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August 13, 2025

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Attention: Site Attorney (1 copy)

United States Department of Justice
Chief, Environmental Enforcement Section
Environment and Natural Resources Division
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DOJ # (90-11-3-1575) (1 copy)

Subject: Malta Rocket Fuel Area Site – Malta, New York
Consent Decree 98-CV-0014 – Remedial Work Elements II and IV – 2024 Annual Report

Dear Agency Officials:

Enclosed please find the Annual Operations & Maintenance Report summarizing recent activities at the referenced site. This Report discusses remedial work elements II and IV and covers the period of January 1, 2024 through December 31, 2024. Feel free to contact me if you have any questions regarding this project.

Sincerely,

Matthew Calacone
Senior Project Manager
GE Aerospace

cc, electronic:

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General Electric

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Final Report

Date
August 13, 2025

Annual O&M Report Remedial Work Elements II and IV

January through December 2024

RAMBOLL Bright ideas. Sustainable change.

Annual O&M Report Remedial Work Elements II and IV

January through December 2024

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1. Introduction

This Annual Operations and Maintenance (O&M) Report was prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of the General Electric Company (GE) for the Malta Rocket Fuel Area (MRFA) located in the Town of Malta, New York (the Site). The Site layout and sampling locations are shown on **Figure 1,** along with the parcel boundaries and the Environmental Restriction Zone (ERZ) boundary. The ERZ boundary is based on the survey conducted during development of the Remedial Work Element IV Operations and Maintenance Manual (IT Corporation, Inc., 1999) and has been recorded in the registry of deeds for each property.

This report documents the Site activities that were performed for the period from January 1, 2024, through December 31, 2024 in accordance with the Remedial Work Element II Groundwater Operations and Monitoring Manual (Element II O&M Manual) (ERM-Northeast, Inc., 1998), the associated addendum and the Operation and Maintenance Manual Remedial Work Element IV – Institutional Controls (Element IV O&M Manual) (IT Corporation, Inc., 1999). In addition, Site activities were performed in accordance with the recommendations included in the 2023 Annual O&M Report Remedial Work Elements II and IV (2023 Annual O&M Report) (Ramboll, 2024), as approved by USEPA in May 2023, and with the Site remedy modifications discussed in the 2018 Explanation of Significant Differences (USEPA ESD) (USEPA, 2018).

2. Element II Monitoring (Groundwater)

Surface water and groundwater monitoring was performed in accordance with the Element II O&M Manual and associated addendum, and the USEPA-approved recommendations in the 2023 Annual O&M Report, to evaluate groundwater quality and to assess the natural attenuation and degradation of Site-related constituents of concern (COCs), particularly hexavalent chromium, carbon tetrachloride, trichloroethene (TCE), chloromethane, and chloroform. The annual surface water and groundwater monitoring event was conducted from September 23 to 26, 2024.

2.1 Hydraulic Conditions

On September 23, 2024, Ramboll measured groundwater levels at the 19 Site monitoring wells. Measured depths to groundwater, calculated groundwater elevations, and well construction details are presented in **Table 1**. The subsurface hydraulic conditions at the Site are illustrated through groundwater elevation contour maps for the shallow and deep overburden wells, which are presented in **Figures 2** and **3**, respectively.

As shown in **Figure 2**, the groundwater flow direction within the shallow overburden is generally toward the southwest. **Figure 3** shows that the groundwater flow direction in the deep overburden is also generally toward the southwest; however, a potential groundwater divide is indicated by the groundwater elevation at monitoring well MW-11D.

2.2 Sample Collection

Water quality samples were collected from 19 groundwater monitoring wells and six surface water locations. These sample locations include monitoring wells and surface water locations associated with the previously established Early Warning Monitoring System (EWMS) for the Site. The initial EWMS included surface water sampling locations SW-A, SW-B, SW-C, and SW-D. Additional monitoring locations (SW-E, SW-F, and SW-G) were added through subsequent modifications of the Element II O&M Manual. Surface water location SW-C was removed from the program with the January 22, 1998 submittal of the Element II O&M Manual, which was approved by USEPA on February 4, 1998. Groundwater monitoring wells include the following locations.

DGC-4S	MW-24DR	MW-26D
MW-27D	4D	MW-28S
10S	4S	MW-28D
13S	MW-25S	MW-29S
13D	MW-25D	MW-29D
MW-4	MW-26S	11D
MW-1		

Depth to water measurements and field parameters were recorded from each monitoring well location prior to sampling. In addition, field parameters were recorded from the grab surface water sample locations. The 2024 groundwater and surface water sampling logs are provided in **Appendix A**. Surface water samples were collected as grab samples. Groundwater samples were collected using low-flow sampling techniques.

2.3 Analytical Data

Groundwater and surface water samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260C and ethane by USEPA Method RSK 175, by Eurofins Environment Testing

(Eurofins) in Amherst, New York. In addition, samples collected from monitoring wells M-27D, 13D, and surface water location SW-B were analyzed for total chromium by USEPA Method 6010C and hexavalent chromium by USEPA Method 7196A by Eurofins.

A summary of detected constituents in groundwater and surface water from the September 2024 sampling event is presented in **Table 2**. Site-related COCs in groundwater with concentrations detected above their respective New York State Groundwater Standard (NYSGWS) in 2024 are shown on **Figure 4**.

The 2024 analytical laboratory report is provided in **Appendix B.** A data quality review was performed on the 2024 analytical results as part of the monitoring program. In addition, a summary of analytical results from previous years is provided in **Appendix C**. A discussion of Site-related COCs is presented below.

2.3.1 Chromium

Total Chromium

In September 2024, unfiltered total chromium was detected in monitoring well M-27D at a concentration of 240 micrograms per liter (µg/L), which exceeds the NYSGWS of 50 µg/L for total chromium. Unfiltered total chromium was detected in monitoring well 13D at an estimated concentration of 3.2 µg/L, an order of magnitude below the NYSGWS. Unfiltered total chromium was not detected above the method detection limit at surface water location SW-B. The 2024 chromium concentrations are within the range of the results from the previous five years for monitoring well 13D and are slightly higher than previous years for monitoring well M-27D.

Hexavalent Chromium

In September 2024, unfiltered hexavalent chromium was not detected above the method detection limit in monitoring wells 13D and M-27D, or at surface water location SW-B.

2.3.2 VOCs

Carbon tetrachloride

In September 2024, carbon tetrachloride was detected in 13 of the 19 monitoring wells sampled. Carbon tetrachloride detections ranged from an estimated concentration of 0.36 µg/L in monitoring well 10S to 15 µg/L in monitoring well M-25D. Four monitoring wells (M-25S, M-25D, M-27D, and M-29D) had detections above the NYSGWS of 5.0 µg/L for carbon tetrachloride. A concentration trend plot for carbon tetrachloride in monitoring well M-27D from 1992 to 2024 is presented on **Figure 5**. Carbon tetrachloride was not detected above the method detection limit at the surface water locations during the 2024 sampling event. The 2024 carbon tetrachloride concentrations are within the range of the results from the previous five years.

TCE

In September 2024, TCE was detected in 12 of the 19 monitoring wells. TCE detections ranged from an estimated concentration of 0.66 µg/L in monitoring well 13S to 51 µg/L in monitoring well M-25D. Four monitoring wells (M-25S, M-25D, M-28S, and M-29D) had detections above the NYSGWS of 5.0 µg/L for TCE. A concentration trend plot for TCE in monitoring well M-27D from 1998 to 2024 is presented on **Figure 6**. The concentration of TCE at M-27D has remained below the NYSGWS standard since 2021. The 2024 TCE concentrations are within the range of the results from the previous five years for each of the monitoring wells, with the exception of M-25S, where the 2024 TCE concentration is slightly higher than prior years.

Chloromethane

In September 2024, chloromethane was not detected above the method detection limit in groundwater or surface water samples. The 2024 chloromethane concentrations are within the range of the results from the previous five years and have not exceeded the NYSGWS.

Chloroform

In September 2024, chloroform was detected in samples collected from six of the 19 monitoring wells and one surface water location. Chloroform detections ranged from an estimated concentration of 0.41 µg/L in monitoring well 11D to 2.9 µg/L in monitoring well M-27D, with each detected concentration below the NYSGWS of 7.0 µg/L. The 2024 chloroform concentrations are within the range of the results from the previous five years and have generally not exceeded the NYSGWS.

2.4 Comparison of Observed VOC Concentrations to Simulated Concentrations

The concentration trend plots for carbon tetrachloride and TCE in monitoring well M-27D are compared to the groundwater transport modeling results based on monitoring wells M-27S and M-27D (developed for the Element II O&M Manual) to assess the timeframe for natural attenuation and degradation of carbon tetrachloride and TCE at the Site. The comparisons for carbon tetrachloride and TCE are presented on **Figure 7** and **Figure 8**, respectively. As shown in both figures, the observed concentrations for carbon tetrachloride and TCE in M-27D continue to be below the simulated concentrations generated by the modeling.

2.5 Evaluation of Recent Contaminant Attenuation Trends

To further evaluate the natural attenuation and degradation of Site-related COCs, a Mann-Kendall (MK) trend analysis was performed for the carbon tetrachloride, TCE, and total chromium results for the subset of sampling locations with sufficient detections to allow for trend analysis.

MK is a non-parametric method that evaluates temporal trends in data. Rather than using raw values for concentration over time, MK uses ranked values, which makes the analysis more robust to outliers. In addition, using MK trend analysis reduces the likelihood of falsely identifying statistically significant temporal trends.

MK trend analysis was performed for the nine monitoring wells with a sufficient number of detections of carbon tetrachloride, TCE and/or total chromium (MW-13S, MW-13D, MW-24DR, MW-25S, MW-25D, MW-27D, MW-28S, MW-29S, and MW-29D). The MK analysis included the 2024 annual results over:

(a) An approximately 19-year period (MW-13D, M-24DR, M-25D, M-27D, and M-29D)
(b) An approximately 12-year period (MW-13S)
(c) An approximately 10-year period (MW-25S, MW-28S, and MW-29S)

The MK statistical results are summarized on **Table 3**. To provide significant statistical results, trends were identified using a 95% confidence interval. **Table 3** also shows the most recent concentration for each well:constituent combination.

As presented on **Table 3**, two (11.8%) of the 17 well:constituent combinations showed a statistically significant increasing trend:

- TCE in MW-25S

- Total chromium in MW-27D

In contrast, nine (52.9%) of the 17 well:constituent combinations showed a statistically significant decreasing trend:

- Carbon Tetrachloride in 13S, M-24DR, MW-25S, MW-25D, M-29S, and M-29D
- TCE in 13S, M-27D and M-29S

Further, six (35.3%) of the 17 well:constituent combinations were stable (no significant trend):

- Chromium in 13D
- Carbon Tetrachloride in M-27D
- TCE in M-24DR, M-25D, M-28S and, M-29D

In summary, 88.2% of the well:constituent combinations showed a statistically significant declining trend or were stable over the past 10 to 19 years. Two of the 17 well:constituent combinations showed a statistically significant increasing trend.

3. Element IV Monitoring (Institutional Controls)

O&M activities for Remedial Work Element IV, Institutional Controls are conducted on an annual basis. Visual inspections of the ERZ were conducted during the 2024 annual monitoring event. Interviews with property owners regarding changes in conditions within the ERZ were conducted annually via email or phone. Additionally, GE has been assisting USEPA with updating revised easements to incorporate the requirements of the 2018 Explanation of Significant Differences (USEPA ESD) (USEPA, 2018).

3.1 Inspections

On September 23 through 26, 2024, Site conditions within the ERZ boundary were inspected to evaluate changes or new property development, specifically the installation of new groundwater wells. The inspections were conducted in the following areas of the site:

- Proximate to the surface water sampling locations and monitoring well locations, as well as along the access roads and paths leading to these locations.
- Proximate to Building 15 at the MRFA site.

3.2 Interviews with Property Owners

Interviews, consisting of a completed interview form provided via email, were conducted with Ms. Jaime O'Neill, representing the Town of Malta on February 18, 2025; Mr. Kevin Hunt, representing New York State Energy Research and Development Authority (NYSERDA), on February 21, 2025; and Mr. Tim Love, representing GlobalFoundries, on February 24, 2025. Each of the three individuals was not aware of any new groundwater usage, any current or proposed changes in land use, or any other conditions or actions within the ERZ that would impact the easement or covenants. Ms. O'Neill and Mr. Hunt confirmed they are aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants, and Mr. Love indicated he was aware of the notice requirement associated notification of and written approval by USEPA prior to disturbance or contact with Site groundwater associated with anticipated future development.

Interview logs documenting the correspondence with each property representative are included in **Appendix D**.

4. Summary

- The groundwater flow direction within both the shallow and deep overburden is generally toward the southwest.

- In September 2024, unfiltered total chromium was detected in one groundwater sample (monitoring well M-27D) at a concentration above the NYSGWS. An estimated concentration of total chromium was detected in monitoring well 13D, below the NYSGWS. No concentration of total chromium was detected above the method detection limit at surface water sample SW-B.

- In September 2024, hexavalent chromium was not detected in the sample locations above the method detection limit.

- In September 2024, carbon tetrachloride was detected in 13 of the 19 monitoring wells. Four of the 13 monitoring wells had detections above the NYSGWS.

- In September 2024, TCE was detected in 12 of the 19 monitoring wells. Four of the 12 monitoring wells had detections above the NYSGWS.

- In September 2024, chloromethane was not detected in the sample locations above the method detection limit.

- In September 2024, chloroform was detected in six of the 19 monitoring wells and one surface water location, at concentrations below the NYSGWS.

- As shown in **Figures 7** and **8**, the observed concentrations in M-27D continue to be below the simulated carbon tetrachloride and TCE concentrations generated by the prior modeling.

- The results of the MK trend analysis indicated that 88.2% of the well:constituent combinations showed a statistically significant declining trend or were stable over the past 10 to 19 years. Two of the 17 well:constituent combinations showed a statistically significant increasing trend.

- Property owner representatives interviewed were not aware of any new groundwater usage, any current or proposed changes in land use, or any other conditions or actions within the ERZ that would impact the easement or covenants.

5. Recommendations

Based on the recommendation provided in the 2023 Revised Annual OM&M Report, GE will continue to monitor the Site in accordance with the approved Element II and Element IV O&M Manuals.

GE will also draft and submit one addendum, each, to the O&M Manuals for Element II Groundwater and Element IV Institutional Controls for USEPA approval. In accordance with the USEPA-approved recommendations of the 2023 Annual OM&M Report, GE will draft and submit Addendum No. 2 to the Element II O&M Manual to document the approved modifications. In addition, GE will draft and submit Addendum No. 1 to the Element IV O&M Manual to document the changes to Site remedy discussed in the USEPA ESD.

6. References

ERM Northeast, Inc., 1998. *Operations and Maintenance Manual for Remedial Work Element II - Groundwater*. January 22, 1998.

United States Environmental Protection Agency, 2018. *Explanation of Significant Differences, Malta Rocket Fuel Area Superfund Site*. May 7, 2018.

United States Environmental Protection Agency, 2024. *Sixth Five-Year Review Report, Malta Rocket Fuel Area Superfund Site*. February 1, 2024.

IT Corporation, Inc., 1999. *Operation and Maintenance Manual, Remedial Work Element IV, Institutional Controls*. September 27, 1999.

Ramboll Americas Engineering Solution, Inc., 2024. *Annual O&M Report Remedial Work Elements II and IV*. September 23, 2024.

Tables

Table 1
Well Construction Details and Groundwater Elevation Data
Malta Rocket Fuel Area Site
Malta, New York

Well ID	Diameter (in)	Screen Top (ft bgs)	Screen Bottom (ft bgs)	Ground Elevation (ft amsl)	Measuring Point Elevation (ft amsl)	Depth To Water (ft bmp)	Ground Water Elevation (ft amsl)
DGC-4S	2	17	29.6	203.9	205.80	6.37	199.43
M-27D	4	60	70	319.6	321.58	32.54	289.04
10S	2	30	40	327.0	329.54	33.67	295.87
13S	2	30	40	327.2	329.26	31.25	298.01
13D	2	57	67	327.3	329.27	35.44	293.83
MW-4	2	29.5	39.5	325.5	326.46	25.86	300.60
MW-1	2	45	55	339.6	340.91	40.70	300.21
MW-24DR	4	58	68	NA	320.57	35.34	285.23
4D	2	60.1	65.1	325.7	327.55	36.29	291.26
4S	2	32	47	326.2	329.08	37.73	291.35
MW-25S	2	28	38	311.7	314.10	26.44	287.66
MW-25D	2	53	63	312.7	314.46	28.10	286.36
MW-29D	4	73	83	332.3	334.66	43.46	291.20
MW-29S	2	42	52	332.2	334.50	41.29	293.21
MW-28S	2	52	62	340.3	342.24	48.46	293.78
MW-28D	4	74	84	341.1	342.85	49.43	293.42
MW-26D	4	74	84	325.7	327.90	26.26	301.64
MW-26S	2	32	42	325.7	327.46	18.61	308.85
11D	2	62	72	317.6	319.68	27.82	291.86

Notes:

1. "in" designates inches. "ft bgs" designates feet below ground surface. "ft amsl" designates feet above mean sea level. "ft bmp" designates feet below measuring point.
2. Water levels measured September 23rd, 2024.

Table 2
2024 Water Quality Analytical Results
Malta Rocket Fuel Area Site
Malta, New York

Analytical Parameters	Groundwater Criteria	Surface Water Criteria	Sample Location	10S	11D	13S	13D	4S	4D
			Sample ID	GW-10S-09262024	GW-M-11D-09242024	GW-13S-09262024	GW-13D-09232024	GW-4S-09252024	GW-4D-09252024
			Sample Date	9/26/2024	9/24/2024	9/26/2024	9/23/2024	9/25/2024	9/25/2024
1,1,1-Trichloroethane	5	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50[G]	50[G]		10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50[G]	50[G]		10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	5	0.4[G]		**0.36 J**	**4.8**	**1.1**	**0.73 J**	1.0 U	1.0 U
Chloroform	7	7		**0.52 J**	**0.41 J**	1.0 U	1.0 U	1.0 U	1.0 U
Freon-113	5	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	5		**2.1**	**1.4**	**0.66 J**	1.0 U	1.0 U	1.0 U
Chromium	50	50		--	--	--	**3.2 J**	--	--

Notes:

1. Regulatory criteria and analytical parameters are in micrograms per liter (µg/L).
2. Samples analyzed for volatile organic compounds and total chromium using Enviromental Protection Agency (EPA)-SW-846 Methods 8260C and 6010C, respectively, by Eurofins Buffalo in Amherst, New York.
3. Analytical detections are bolded.
4. Regulatory criteria are 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations and Ambient Water Quality Standards and Guidance Values from New York State Department of Environmental Conservation (NYSDEC) TOGS 1.1.1 (1993 and current adendums). "G" indicates criterion is a guidance value, not a standard. Exceedances are marked with "*".
5. Only detected constituents are shown.
6. "U" designates the result is not detected at or above the laboratory method detection limit. Practical quantitation limit shown.
7. "J" designates compound is detected and the concentration is considered estimated.
8. "--" designates not sampled.
9. Internal laboratory qualifiers are not reported.

Table 2
2024 Water Quality Analytical Results
Malta Rocket Fuel Area Site
Malta, New York

Analytical Parameters	Groundwater Criteria	Surface Water Criteria	Sample Location	DGC-4S	MW-1	MW-4	M-24DR	M-25S	M-25D
			Sample ID	GW-DGC-4S-09262024	GW-MW-1-09242024	GW-MW-4-09242024	GW-M-24DR-09262024	GW-M-25S-09252024	GW-M-25D-09252024
			Sample Date	9/26/2024	9/24/2024	9/24/2024	9/26/2024	9/25/2024	9/25/2024
1,1,1-Trichloroethane	5	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50[G]	50[G]		10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50[G]	50[G]		10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	5	0.4[G]		1.0 U	1.0 U	1.0 U	**2.8**	**11 ***	**15 ***
Chloroform	7	7		1.0 U	1.0 U	1.0 U	**0.83 J**	**0.60 J**	**1.2**
Freon-113	5	5		1.0 U	1.0 U	1.0 U	1.0 U	**1.3**	**1.0**
Trichloroethene	5	5		1.0 U	1.0 U	1.0 U	**4.6**	**30 ***	**51 ***
Chromium	50	50		--	--	--	--	--	--

Notes:

1. Regulatory criteria and analytical parameters are in micrograms per liter (µg/L).
2. Samples analyzed for volatile organic compounds and total chromium using Enviromental Protection Agency (EPA)-SW-846 Methods 8260C and 6010C, respectively, by Eurofins Buffalo in Amherst, New York.
3. Analytical detections are bolded.
4. Regulatory criteria are 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations and Ambient Water Quality Standards and Guidance Values from New York State Department of Environmental Conservation (NYSDEC) TOGS 1.1.1 (1993 and current adendums). "G" indicates criterion is a guidance value, not a standard. Exceedances are marked with "*".
5. Only detected constituents are shown.
6. "U" designates the result is not detected at or above the laboratory method detection limit. Practical quantitation limit shown.
7. "J" designates compound is detected and the concentration is considered estimated.
8. "--" designates not sampled.
9. Internal laboratory qualifiers are not reported.

Table 2
2024 Water Quality Analytical Results
Malta Rocket Fuel Area Site
Malta, New York

Analytical Parameters	Groundwater Criteria	Surface Water Criteria	Sample Location	M-26S	M-26D	M-26D	M-27D	M-28S	M-28D
			Sample ID	GW-M-26S-09242024	GW-M-26D-09242024	FD-2-09242024	GW-M-27D-09232024	GW-M-28S-09252024	GW-M-28D-09252024
			Sample Date	9/24/2024	9/24/2024	9/24/2024	9/23/2024	9/25/2024	9/25/2024
1,1,1-Trichloroethane	5	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50[G]	50[G]		**3.9 J**	10 U	10 U	10 U	10 U	10 U
Acetone	50[G]	50[G]		**4.2 J**	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	5	0.4[G]		**0.74 J**	1.0 U	1.0 U	**8.7 ***	**3.7**	**2.5**
Chloroform	7	7		1.0 U	1.0 U	1.0 U	**2.9**	1.0 U	1.0 U
Freon-113	5	5		1.0 U	1.0 U	1.0 U	**1.0**	**1.6**	**0.77 J**
Trichloroethene	5	5		**0.78 J**	1.0 U	1.0 U	**2.6**	**10 ***	**1.5**
Chromium	50	50		--	--	--	**240 ***	--	--

Notes:

1. Regulatory criteria and analytical parameters are in micrograms per liter (µg/L).
2. Samples analyzed for volatile organic compounds and total chromium using Enviromental Protection Agency (EPA)-SW-846 Methods 8260C and 6010C, respectively, by Eurofins Buffalo in Amherst, New York.
3. Analytical detections are bolded.
4. Regulatory criteria are 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations and Ambient Water Quality Standards and Guidance Values from New York State Department of Environmental Conservation (NYSDEC) TOGS 1.1.1 (1993 and current adendums). "G" indicates criterion is a guidance value, not a standard. Exceedances are marked with "*".
5. Only detected constituents are shown.
6. "U" designates the result is not detected at or above the laboratory method detection limit. Practical quantitation limit shown.
7. "J" designates compound is detected and the concentration is considered estimated.
8. "--" designates not sampled.
9. Internal laboratory qualifiers are not reported.

Table 2
2024 Water Quality Analytical Results
Malta Rocket Fuel Area Site
Malta, New York

Analytical Parameters	Groundwater Criteria	Surface Water Criteria	Sample Location	M-29S	M-29D	SW-A	SW-B	SW-B	SW-D
			Sample ID	GW-M-29S-09252024	GW-M-29D-09252024	SW-A-09232024	SW-B-09232024	FD-1-09232024	SW-D-09252024
			Sample Date	9/25/2024	9/25/2024	9/23/2024	9/23/2024	9/23/2024	9/25/2024
1,1,1-Trichloroethane	5	5		1.0 U	**0.87 J**	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50[G]	50[G]		10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50[G]	50[G]		10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	5	0.4[G]		**0.85 J**	**8.7 ***	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	7		1.0 U	1.0 U	**0.81 J**	1.0 U	1.0 U	1.0 U
Freon-113	5	5		1.0 U	**2.4**	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	5		**1.6**	**29 ***	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	50	50		--	--	--	4.0 U	4.0 U	--

Notes:

1. Regulatory criteria and analytical parameters are in micrograms per liter (µg/L).
2. Samples analyzed for volatile organic compounds and total chromium using Enviromental Protection Agency (EPA)-SW-846 Methods 8260C and 6010C, respectively, by Eurofins Buffalo in Amherst, New York.
3. Analytical detections are bolded.
4. Regulatory criteria are 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations and Ambient Water Quality Standards and Guidance Values from New York State Department of Environmental Conservation (NYSDEC) TOGS 1.1.1 (1993 and current adendums). "G" indicates criterion is a guidance value, not a standard. Exceedances are marked with "*".
5. Only detected constituents are shown.
6. "U" designates the result is not detected at or above the laboratory method detection limit. Practical quantitation limit shown.
7. "J" designates compound is detected and the concentration is considered estimated.
8. "--" designates not sampled.
9. Internal laboratory qualifiers are not reported.

Table 2
2024 Water Quality Analytical Results
Malta Rocket Fuel Area Site
Malta, New York

Analytical Parameters	Groundwater Criteria	Surface Water Criteria	Sample Location	SW-E	SW-F	SW-G
			Sample ID	SW-E-09242024	SW-F-09242024	SW-G-09242024
			Sample Date	9/24/2024	9/24/2024	9/24/2024
1,1,1-Trichloroethane	5	5		1.0 U	1.0 U	1.0 U
2-Butanone	50[G]	50[G]		10 U	10 U	10 U
Acetone	50[G]	50[G]		10 U	**3.2 J**	10 U
Carbon Tetrachloride	5	0.4[G]		1.0 U	1.0 U	1.0 U
Chloroform	7	7		1.0 U	1.0 U	1.0 U
Freon-113	5	5		1.0 U	1.0 U	1.0 U
Trichloroethene	5	5		1.0 U	1.0 U	1.0 U
Chromium	50	50		--	--	--

Notes:

1. Regulatory criteria and analytical parameters are in micrograms per liter (µg/L).
2. Samples analyzed for volatile organic compounds and total chromium using Enviromental Protection Agency (EPA)-SW-846 Methods 8260C and 6010C, respectively, by Eurofins Buffalo in Amherst, New York.
3. Analytical detections are bolded.
4. Regulatory criteria are 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations and Ambient Water Quality Standards and Guidance Values from New York State Department of Environmental Conservation (NYSDEC) TOGS 1.1.1 (1993 and current adendums). "G" indicates criterion is a guidance value, not a standard. Exceedances are marked with "*".
5. Only detected constituents are shown.
6. "U" designates the result is not detected at or above the laboratory method detection limit. Practical quantitation limit shown.
7. "J" designates compound is detected and the concentration is considered estimated.
8. "--" designates not sampled.
9. Internal laboratory qualifiers are not reported.

Table 3
Summary of Mann-Kendall Trend Analysis
Malta Rocket Fuel Area
Malta, New York

Well ID	Number of Samples	Groundwater Quality Standard	Historical Range of Concentrations	September 2024 Results	S Value	Trend
13S[a]						
Carbon Tetrachloride	12	5	ND - 24	1.1	-47	Decreasing
Trichloroethene	12	5	ND - 3.8	0.66 J	-48	Decreasing
13D						
Chromium	20	50	ND - 98.4	3.2 J	-1	Stable/No Trend
M-24DR						
Carbon Tetrachloride	20	5	ND - 16	2.8	-54	Decreasing
Trichloroethene	20	5	1.7 - 49	4.6	42	Stable/No Trend
M-25S[b]						
Carbon Tetrachloride	11	5	11.5 - 29	11	-48	Decreasing
Trichloroethene	11	5	7.8 - 31.5	30	35	Increasing
M-25D						
Carbon Tetrachloride	20	5	20.1 - 91	15	-95	Decreasing
Trichloroethene	20	5	3.0 - 93	51	-19	Stable/No Trend
M-27D						
Carbon Tetrachloride	20	5	ND - 75	8.7	-31	Stable/No Trend
Trichloroethene	20	5	ND - 27	2.6	-157	Decreasing
Chromium	20	50	ND - 240	240	105	Increasing
M-28S[b]						
Trichloroethene	11	5	2.4 - 17.5	10	-4	Stable/No Trend
M-29S[b]						
Carbon Tetrachloride	11	5	3.9 - 14	0.85 J	-31	Decreasing
Trichloroethene	11	5	1.3 - 11	1.6	-33	Decreasing
M-29D						
Carbon Tetrachloride	20	5	8.6 - 84	8.7	-69	Decreasing
Trichloroethene	20	5	10 - 33	29	-27	Stable/No Trend

Notes:

1. Mann-Kendall analysis run on volatile organic compounds (VOCs) and chromium data collected annually starting in the fall of 2005 unless otherwise noted.
2. Significance level is 95 percent.
3. "[a]" designates VOC data collection started in the fall of 2012.
4. "ND" designates the analyte is not detected.
5. "[b]" designates VOC data collection started in the fall of 2014.
6. "J" designates analyte is detected and the concentration is considered estimated.
7. Blind duplicate samples were not used in the statistical analysis.
8. Concentrations reported in micrograms per liter.

Figures

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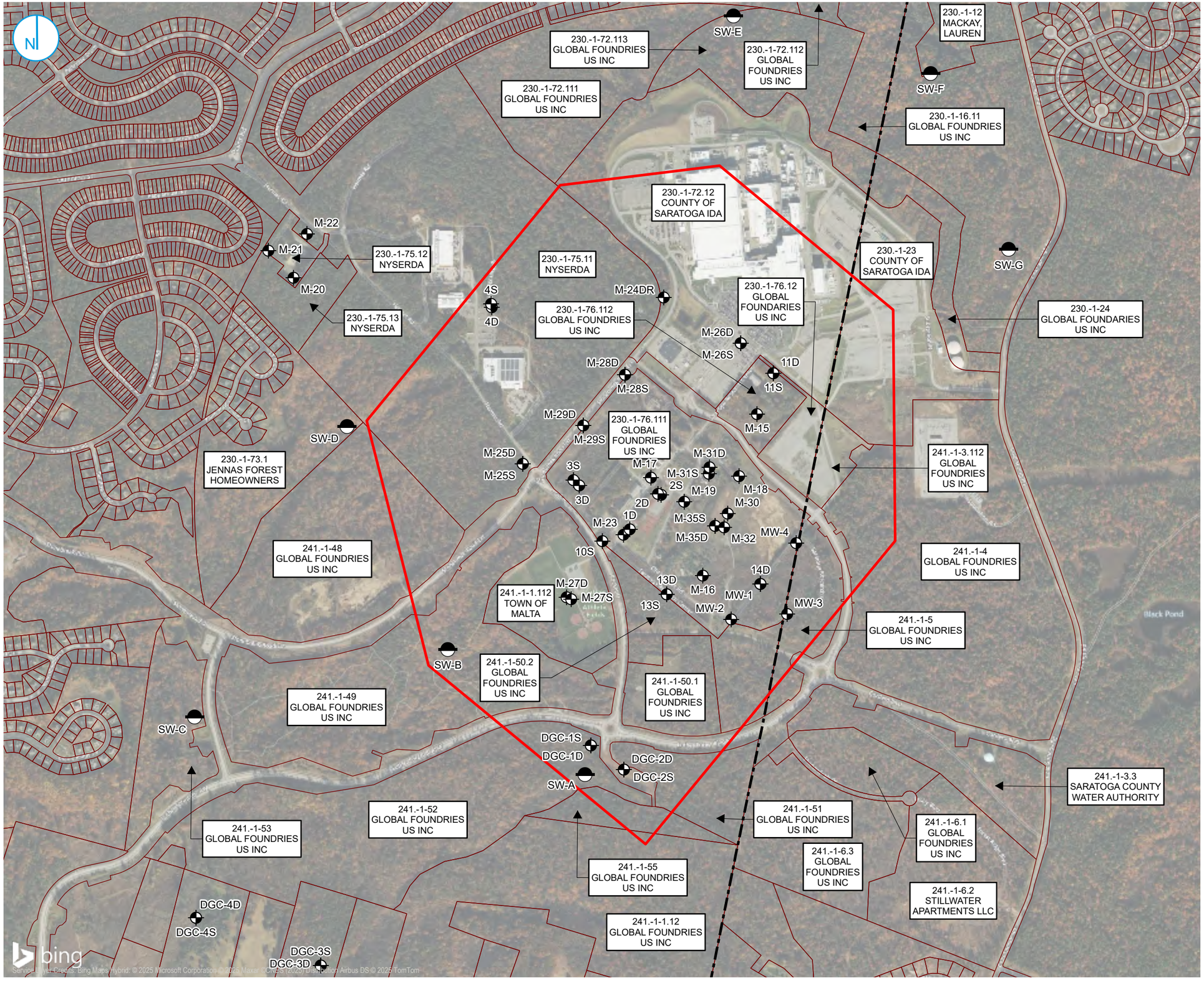


MONITORING WELL
SURFACE WATER MONITORING POINT
ENVIRONMENTAL RESTRICTION ZONE
PARCEL BOUNDARY
MALTA/STILLWATER TOWN BOUNDARY

NOTES

1. PARCEL BOUNDARIES BASED ON SARATOGA COUNTY PLANNING DEPARTMENT.
2. ENVIRONMENTAL RESTRICTION ZONE IS CONSIDERED APPROXIMATE.

0 1,000 2,000 Feet

SITE LAYOUT AND SAMPLING LOCATIONS

2024 ANNUAL REPORT

MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

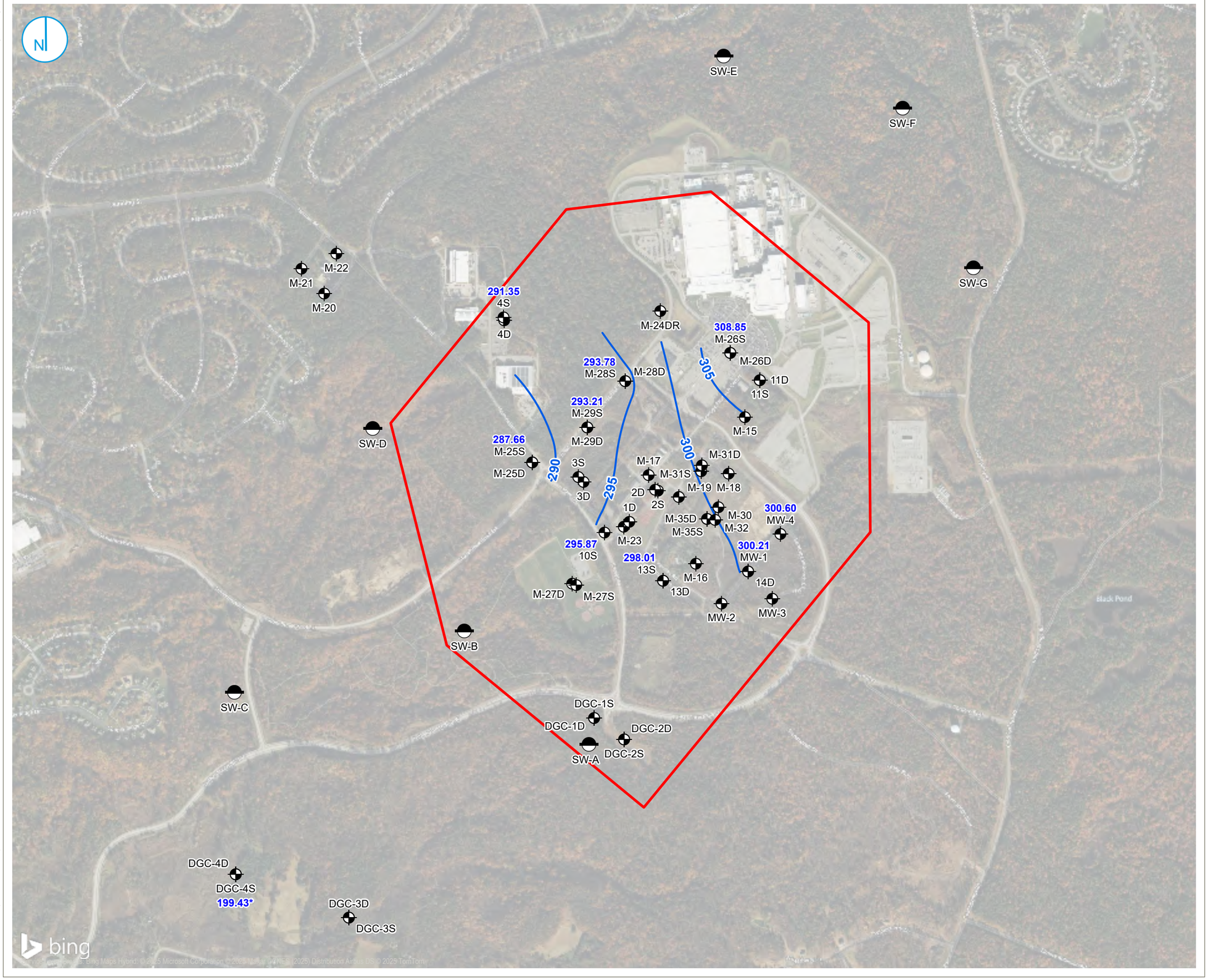
FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940102620 | DATED: 7/18/2025 | DESIGNER: COOPERSA

C:\Users\COOPERSA\OneDrive - Ramboll\Documents\New_York\Malta\MaltaFigs.aprx\Figure 2



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MONITORING WELL WITH GROUNDWATER ELEVATION
SURFACE WATER MONITORING POINT
SHALLOW GROUNDWATER ELEVATION CONTOUR
ENVIRONMENTAL RESTRICTION ZONE

NOTES
1. "*" DESIGNATES LOCATION IS NOT USED IN CONTOURING.
2. CONTOUR LINES AND GROUNDWATER ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.
3. ENVIRONMENTAL RESTRICTION ZONE IS CONSIDERED APPROXIMATE.

0 800 1,600 Feet

SHALLOW OVERBURDEN GROUNDWATER ELEVATION CONTOURS, SEPTEMBER 23, 2024

2024 ANNUAL REPORT

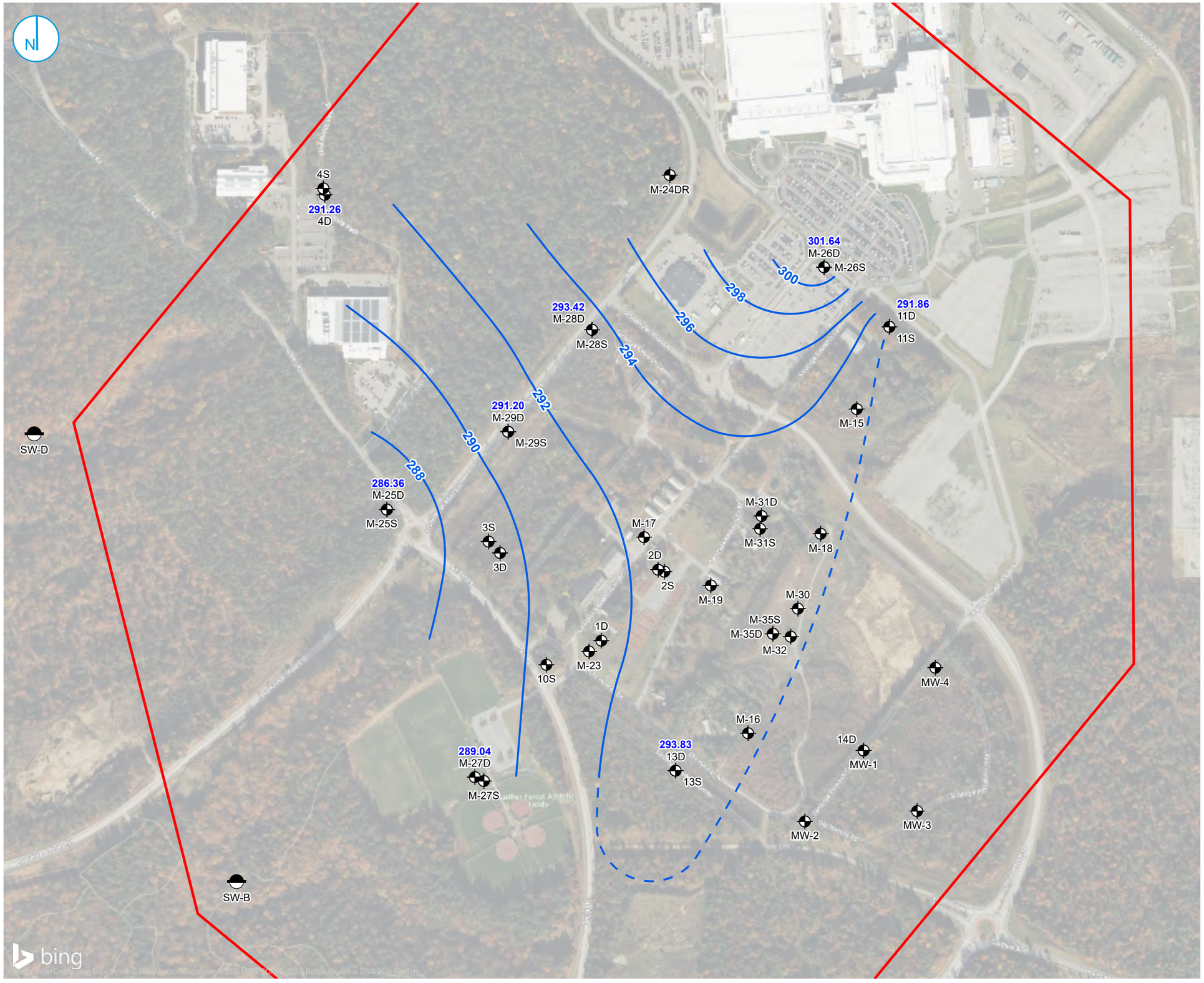
MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940102620 | DATED: 8/5/2025 | DESIGNER: COOPERSA



MONITORING WELL WITH GROUNDWATER ELEVATION

SURFACE WATER MONITORING POINT

DEEP GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

ENVIRONMENTAL RESTRICTION ZONE

NOTS

1. CONTOUR LINES AND GROUNDWATER ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.
2. ENVIRONMENTAL RESTRICTION ZONE IS CONSIDERED APPROXIMATE.

0 500 1,000 Feet

DEEP OVERBURDEN GROUNDWATER ELEVATION CONTOURS, SEPTEMBER 23, 2024

2024 ANNUAL REPORT

MALTA ROCKET FUEL AREA SITE

MALTA, NEW YORK

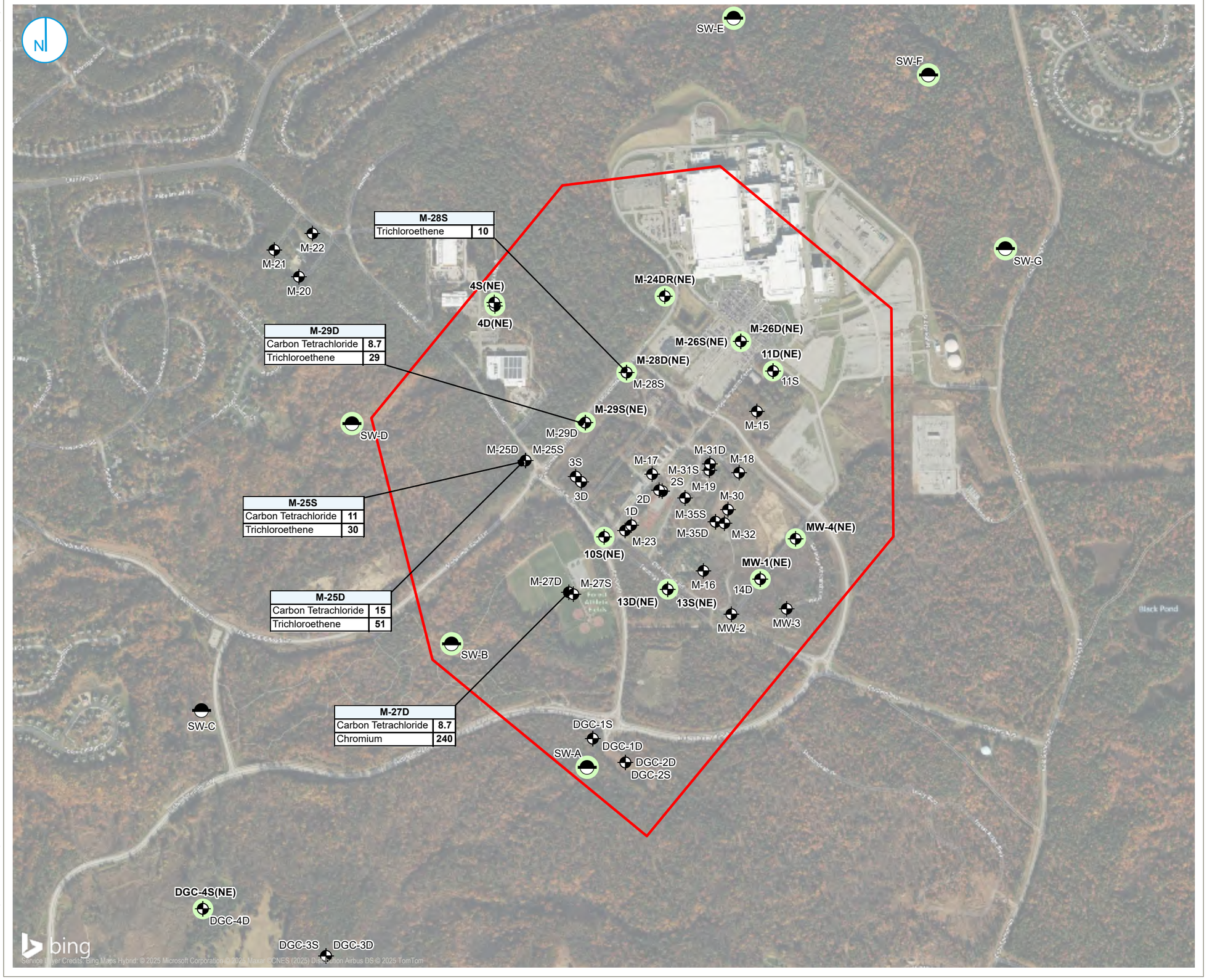
FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\COOPERSA\OneDrive - Ramboll\Documents\New_York\Malta\MaltaFigs.aprx\Figure 3
PROJECT: 1940102620 | DATED: 7/18/2025 | DESIGNER: COOPERSA

C:\Users\COOPERSA\OneDrive - Ramboll\Documents\New_York\Malta\MaltaFigs.aprx\Figure 4



MONITORING WELL
SURFACE WATER MONITORING POINT
SAMPLED LOCATION WITH NO EXCEEDANCES
ENVIRONMENTAL RESTRICTION ZONE

Analyte	Regulatory Criteria
Carbon Tetrachloride	5
Chloroform	7
Trichloroethene	5
Chromium	50

NOTES

1. GROUNDWATER CRITERIA ARE 6NYCRR PART 703 SURFACE WATER AND GROUNDWATER QUALITY STANDARDS AND GROUNDWATER EFFLUENT LIMITATIONS AND AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FROM NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 CLASS GA STANDARDS AND GUIDANCE VALUES, JUNE 1998, WITH ALL CURRENT ADDENDA.
2. REGULATORY CRITERIA AND ANALYTICAL PARAMETERS SHOWN IN MICROGRAMS PER LITER (UG/L).
3. ONLY EXCEEDANCES ARE SHOWN.
4. ENVIRONMENTAL RESTRICTION ZONE IS CONSIDERED APPROXIMATE.

0 1,000 2,000 Feet

SUMMARY OF GROUNDWATER SAMPLING RESULTS (EXCEEDANCES ONLY), SEPTEMBER 2024

2024 ANNUAL REPORT

MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

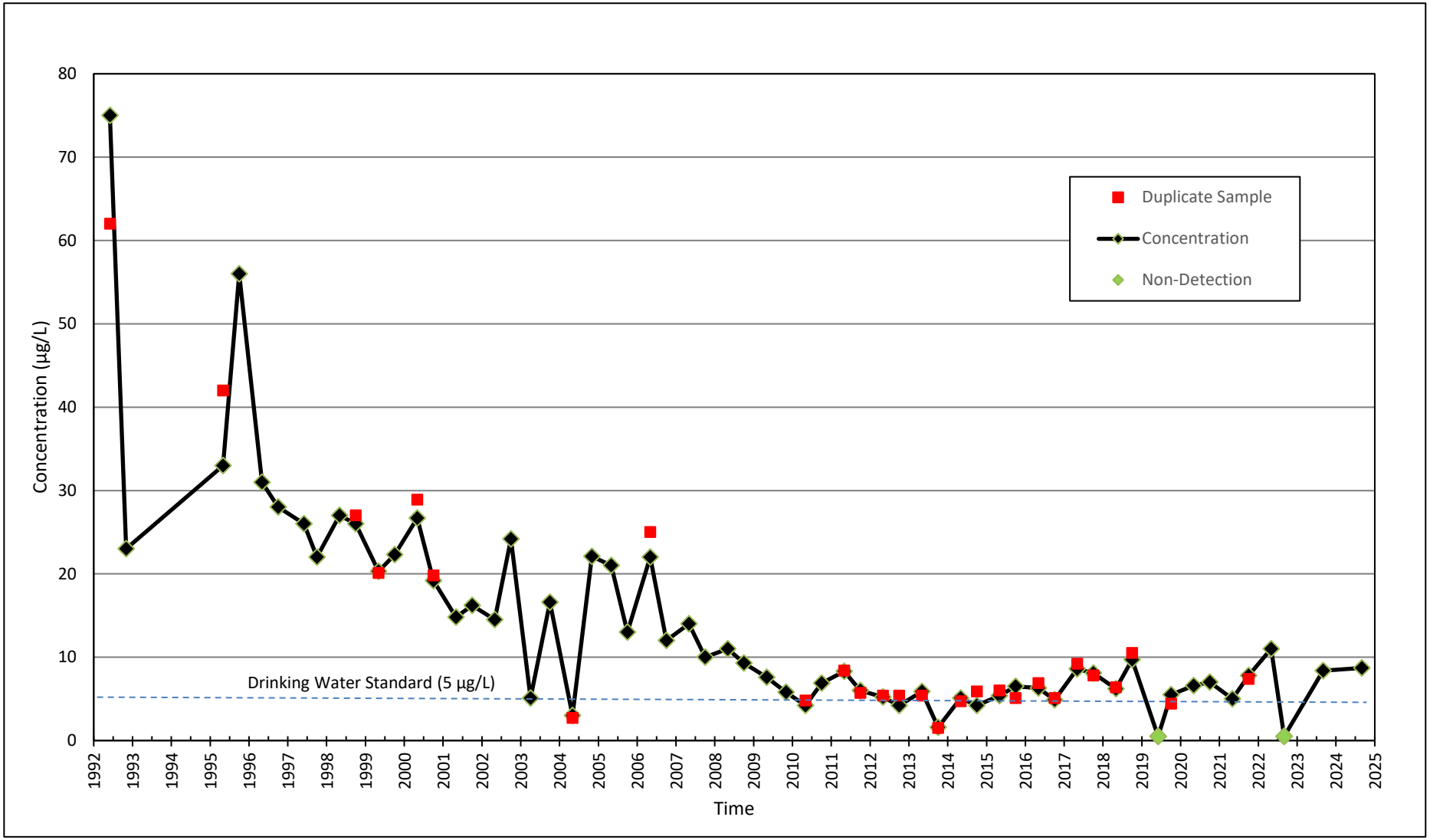
FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940102620 | DATED: 7/18/2025 | DESIGNER: COOPERSA

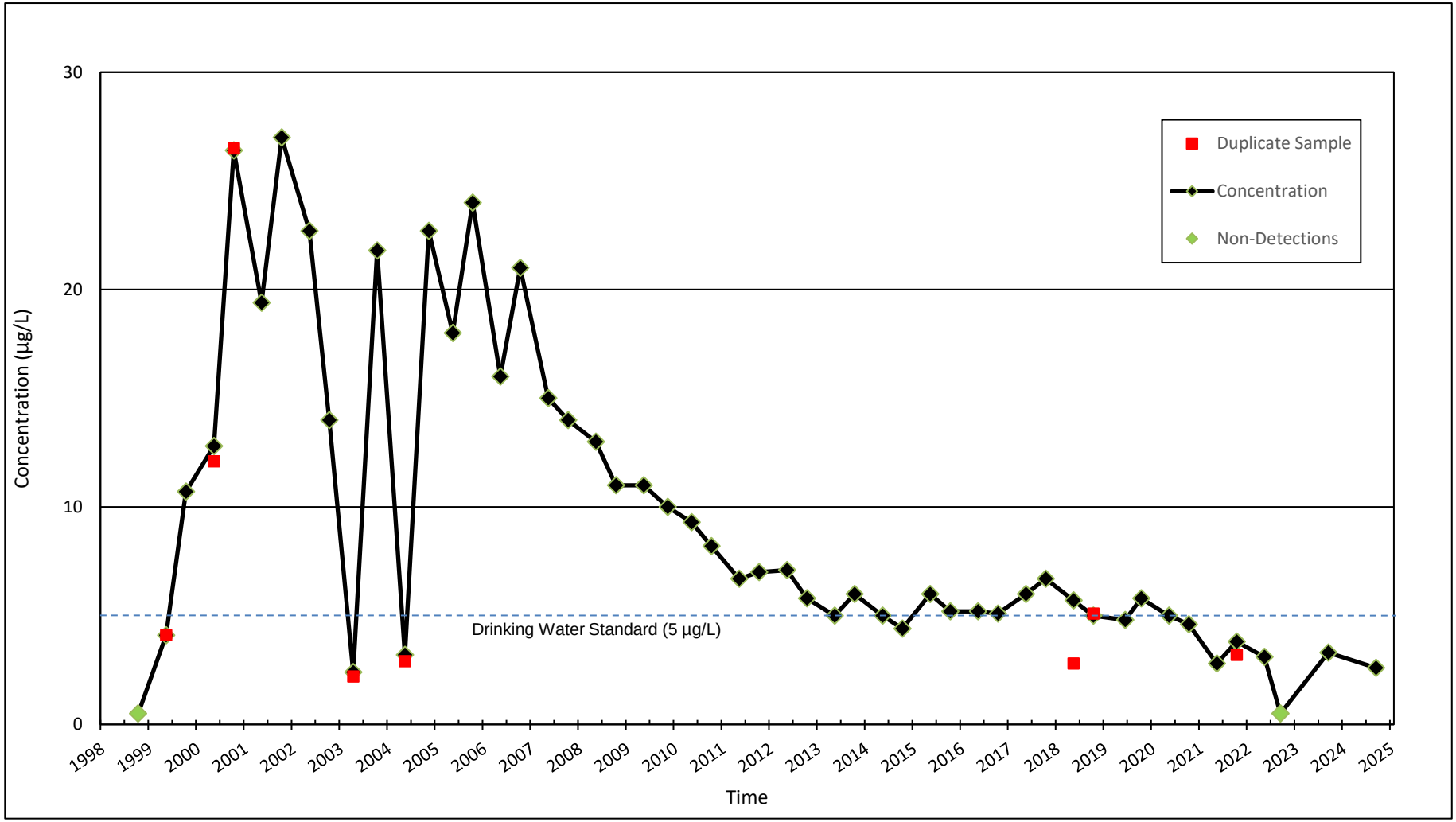
Figure 5
Carbon Tetrachloride Concentrations at Monitoring Well M-27D



Notes:

Results and drinking water standard are shown in micrograms per liter (µg/L).

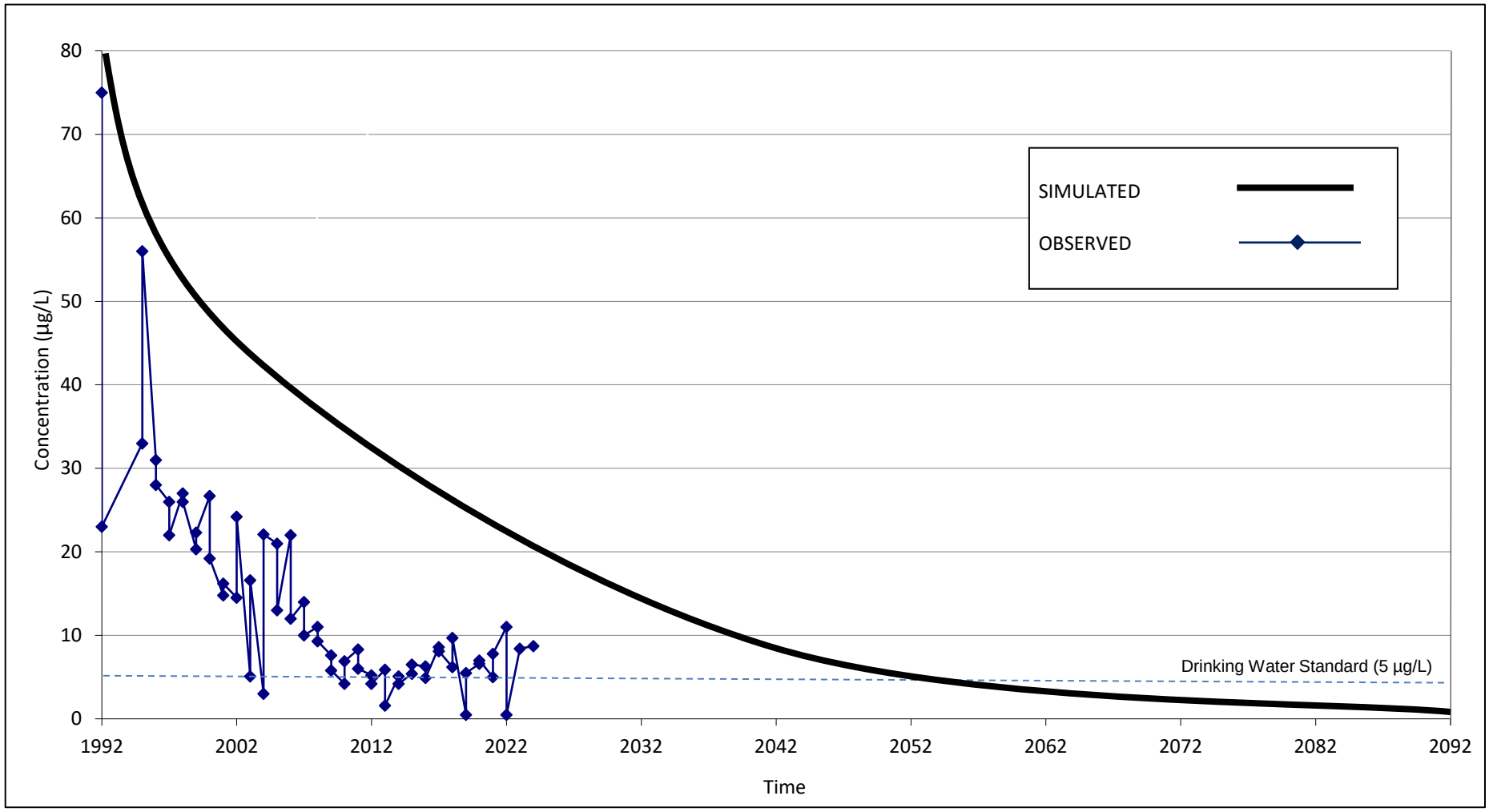
Figure 6
Trichloroethene Concentrations at Monitoring Well M-27D



Notes:

Results and drinking water standard are shown in micrograms per liter (µg/L).

Figure 7
Simulated Versus Observed Carbon Tetrachloride Concentrations at Monitoring Well M-27D

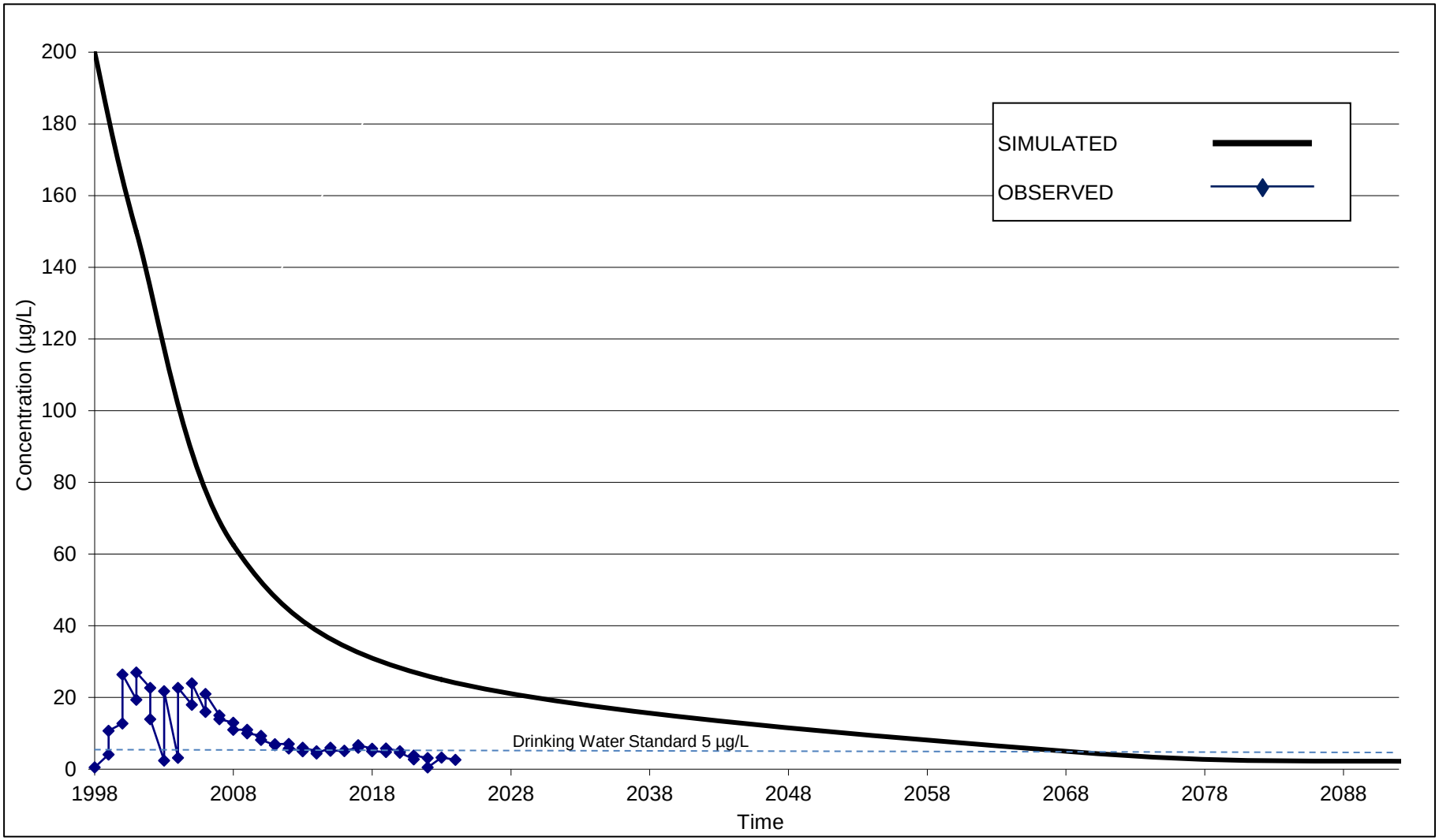


Notes:

Results and drinking water standard are shown in micrograms per liter (µg/L).

Simulated concentrations created by groundwater transport modeling, performed by ERM-Northeast, Inc. (1998).

Figure 8
Simulated Versus Observed Trichloroethene at Monitoring Well M-27D



Notes:

Results and drinking water standard are shown in micrograms per liter (µg/L).
Simulated concentrations created by groundwater transport modeling, performed by ERM-Northeast, Inc. (1998).
Simulation is modeled using M-27S (data not shown).

Appendices

Appendix A

Groundwater and Surface Water Sampling Logs

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: 10S
Northing:
Easting:

Site Name:	Malta Rocket Fuel Site	Sampling Method:	Bladder Pump	Field Personnel:	JQ
Site Location:	Malta, NY	Equipment Used:	Bladder Pump	Date:	9/26/24
Project #:	1940102620	Pump/Controller ID#:	FA0541	Weather:	Rain, 60's

Well information:

Installed Depth of Well*:	46.55	ft. bmp.
Measured Depth of Well*:		ft. bmp.
Depth to Water*:	33.68	ft. bmp.
Length of Water Column (LWC):	12.87	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

Measurement Point*:	Top of Well Casing	
MP Notes:		
Well Volume:	2.09	gal.
Pump Intake Depth*:	35.0	ft. bmp.

Start Purge Time: 0920

Initial Observations: *Color* ~~Clear~~ Brown *Odor* None *Sheen/Free Product* None

Elapsed Time (Minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (ml/min)	Other
		Select Units from Dropdown Menus							
0	33.68	12.2	7.35	1746	97.7	5.41	35.8	200	
5	33.70	11.7	7.32	1228	64.8	2.04	30.2	200	
10	33.70	11.5	7.39	1224	47.4	1.43	18.9	200	
15	33.70	11.3	7.40	1224	20.5	0.64	8.54	200	
20	33.71	11.3	7.44	1255	-5.1	0.50	7.28	200	
25	33.71	11.4	7.48	1313	-39.5	0.38	7.13	200	
30	33.71	11.4	7.49	1320	-56.7	0.32	6.82	200	
35	33.71	11.4	7.49	1323	-60.1	0.30	6.50	200	
40	33.71	11.4	7.49	1325	-63.9	0.30	6.45	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1000

Total volume of groundwater purged: 3.3 gal.

DO Titrataion: ____ mg/L

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: GW-10S-092624/MS/MSD **Date:** 9/26/24 **Time:** 1000

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes: MS/MSD collected @ this location

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: 11D
Northing: 0
Easting: 0

Site Name: Malta Rocket Fuel Site
Site Location: Malta, NY
Project #: 1940102620
Sampling Method: Bladder Pump
Equipment Used: Bladder Pump
Pump/Controller ID#: FA04973/5067
Field Personnel: GOLI TRLR
Date: 9/24/24
Weather: 70°, partly cloudy

Well information:

Installed Depth of Well*: 75 ft. bmp.
Measured Depth of Well*: — ft. bmp.
Depth to Water*: 27.82 ft. bmp.
Length of Water Column (LWC): 47.18 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes:
Well Volume: 7.69 gal.
Pump Intake Depth*: 67.0 ft. bmp.

Start Purge Time: 1130

Initial Observations: *Color* clear *Odor* none *Sheen/Free Product* none

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
			Select Units from Dropdown Menus						
0	27.82	11.3	7.45	1539	136.1	13.13	40.0	250	
5	28.05	9.9	7.63	1280	134.3	9.19	13.7	250	
10	28.01	10.1	7.61	1254	133.5	8.44	11.85	250	
15	28.03	9.9	7.51	1264	133.5	8.34	6.26	250	
20	28.02	10.1	7.56	1272	132.7	8.34	5.22	250	
25	28.03	10.2	7.60	1276	133.2	8.38	3.96	250	
30	28.03	10.3	7.56	1264	132.3	8.49	4.62	250	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1200
Total volume of groundwater purged: 7.5 gal.
DO Titrataion: ___ mg/L

Final Observations: *Color* clear *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-11D- 09242024 **Date:** 9/24/24 **Time:** 1205

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: 13S
Northing:
Easting:

Site Name: Malta Rocket Fuel Site
Site Location: Malta, NY
Project #: 1940102620
Sampling Method: Bladder Pump
Equipment Used: Bladder Pump
Pump/Controller ID#: FAD#123/5067
Field Personnel: CDH TDD
Date: 9/26/24
Weather: Rain 70°

Well information:

Installed Depth of Well*: 43 ft. bmp.
Measured Depth of Well*: — ft. bmp.
Depth to Water*: 31.21 ft. bmp.
Length of Water Column (LWC): [illegible] ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*:
MP Notes:
Well Volume: 1.97 gal.
Pump Intake Depth*: 35.0 ft. bmp.

Start Purge Time: 1220

Initial Observations: *Color* Clear *Odor* none *Sheen/Free Product* NAPL

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
				Select Units from Dropdown Menus					
0	31.21	10.7	5.16	434.6	98.7	8.03	5.00	200	
5	31.21	11.5	8.52	855	91.8	7.33	7.84	200	
10	31.28	9.8	8.39	414.2	103.0	7.57	5.86	200	
15	31.29	9.5	8.30	418.4	111.3	7.80	6.31	200	
20	31.29	9.5	8.20	427.3	113.2	7.86	6.49	200	
25	31.29	9.6	8.30	~~3733~~ 433.6	116.1	7.80	7.02	200	
30	31.29	9.6	8.29	424.2	118.7	7.78	6.57	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1250
Total volume of groundwater purged: 2.5 gal.
DO Titrataion: ___ mg/L

Final Observations: *Color* Clear *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-13S-092600[illegible] **Date:** 9/26/24 **Time:** 1255

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: 13D
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: CDW TRQ
Site Location: Malta, NY | Equipment Used: YSI/Horiba U-52 Bladder Pump (dedicated) | Date: 9/23/24
Project #: 1940102620 | Pump/Controller ID#: FA04973/FA03778 | Weather: 65°, Overcast

Well information:

Installed Depth of Well*: 70 ft. bmp.
Measured Depth of Well*: — ft. bmp.
Depth to Water*: 35.44 ft. bmp.
Length of Water Column (LWC): 34.56 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes: —
Well Volume: 5.65 gal gal.
Pump Intake Depth*: 62.0 ft. bmp.

Start Purge Time: 11:00

Initial Observations: Color Clear Odor None Sheen/Free Product None

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity µS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
	Select Units from Dropdown Menus								
0	35.44	12.5	7.85	~~3195~~ 319.5	134.1	6.66	42.1	200	
5	36.03	12.1	7.60	~~3240~~ 3263	133.5	5.32	33.3	200	
10	36.42	9.9	7.87	301.7	124.3	2.50	56.8	200	
15	36.41	10.4	7.79	311.4	119.2	1.92	1753	200	
20	36.02	10.9	7.81	311.6	114.6	1.42	overrange	200	
25	35.78	12.1	8.00	317.5	110.0	1.62	overrange	200	
30	36.20	10.3	7.65	359.6	114.7	1.88	85.0	200	
35	36.59	9.6	7.69	323.7	108.7	1.09	110.0	200	
40	36.85	9.4	7.71	327.7	103.1	1.00	52.3	200	
45	36.83	9.6	7.66	323.1	94.6	0.89	33.0	200	
50	36.70	9.6	7.69	327.7	87.5	0.90	29.8	200	
55	36.75	9.6	7.68	331.4	85.0	0.87	31.7	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 11:55
DO Titrataion: ___ mg/L
Total volume of groundwater purged: 3.5 gal.

Final Observations: Color Clear brown tint Odor None Sheen/Free Product None

Analytical Sample ID: GW-13D-09232024 **Date:** 9/23/24 **Time:** 1200

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	
40 ml	Clear VOA	3	No	HCl	
125 ml	Polyethylene	1	No	None	
250 ml	Polyethylene	1	No	HNO3	

Notes: Dedicated pump

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: 4S
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: TRO
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/25/24
Project #: 1940102620 | Pump/Controller ID#: FA0062 | Weather: Rain, 60s

Well information:

Installed Depth of Well*: 52.25 ft. bmp.
Measured Depth of Well*: ft. bmp.
Depth to Water*: 37.80 ft. bmp.
Length of Water Column (LWC): 14.45 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes:
Well Volume: 2.353 gal.
Pump Intake Depth*: 39.5 ft. bmp.

Start Purge Time: 0915

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
				Select Units from Dropdown Menus					
0	37.80	9.8	7.62	455.9	35.6	14.39	22.8	200	
5	37.80	9.2	7.72	443.9	37.1	13.37	18.3	200	
10	37.81	9.0	7.71	443.4	35.3	12.80	17.4	200	
15	37.81	9.0	7.78	443.1	34.0	12.53	15.3	200	
20	37.81	9.0	7.81	443.0	32.7	12.46	14.8	200	
25	37.81	8.9	7.82	444.0	31.2	12.50	14.4	200	
30	37.81	8.9	7.81	444.4	29.4	12.49	14.1	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 0945
Total volume of groundwater purged: 3.5 gal.
DO Titrataion: ___ mg/L

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: GW-4S-09252024 **Date:** 9/25/24 **Time:** 945

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCL	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: 4D
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: CDW
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/25/24
Project #: 1940102620 | Pump/Controller ID#: FAD [illegible] | Weather: 65°, rain

Well information:

Installed Depth of Well*: 65.1 ft. bmp.
Measured Depth of Well*: ~ ft. bmp.
Depth to Water*: 36.44 ft. bmp.
Length of Water Column (LWC): 28.66 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes:
Well Volume: 4.67 gal.
Pump Intake Depth*: 62.6 ft. bmp.

Start Purge Time: 910

Initial Observations: *Color* clear *Odor* none *Sheen/Free Product* now

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity µS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
				Select Units from Dropdown Menus					
0	36.44	9.4	8.34	151.3	-153.8	2.27	6.37	400	
5	37.34	9.6	8.54	248.0	-221.1	0.83	5.61	200	
10	26.98	9.6	8.33	246.7	-253.1	0.61	3.84	200	
15	26.95	9.5	8.17	307.9	-223.5	0.58	5.78	200	
20	26.93	9.5	8.14	376.6	-194.5	0.49	3.93	200	
25	26.92	9.5	8.14	389.7	-196.8	.45	2.19	200	
30	2690	9.5	8.14	396.3	-191.3	0.43	2.60	200	
35	2681	9.5	8.15	400.6	-188.7	0.42	2.49	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 943

DO Titrataion: ___ mg/L

Total volume of groundwater purged: 2 gal.

Final Observations: *Color* clear *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-4D-09252024 **Date:** 9/25/24 **Time:** 950

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes: dedicated pump

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: DGC-4S
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: Crew Tag
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/24/24
Project #: 1940102620 | Pump/Controller ID#: FA-4922/5067 | Weather: 70°, Rain

Well information:

Installed Depth of Well*: 30 ft. bmp.
Measured Depth of Well*: — ft. bmp.
Depth to Water*: 5.83 ft. bmp.
Length of Water Column (LWC): 24.17 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*:
MP Notes:
Well Volume: 3.93 gal.
Pump Intake Depth*: 23.3 ft. bmp.

Start Purge Time: 1055

Initial Observations: *Color* Clear *Odor* none *Sheen/Free Product* none

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
	Select Units from Dropdown Menus								
0	~~5.83~~	12.7	8.16	858	83.0	3.32	3.87	200	
5	5.83	13.2	8.11	1040	~~88.0~~	2.57	4.71	200	
10	5.85	12.7	8.03	1116	66.5	0.75	5.23	200	
15	5.87	12.9	7.99	1130	54.6	0.54	5.73	200	
20	5.85	12.4	7.96	1125	82.4	0.39	5.70	200	
25	5.81	12.4	7.99	1128	79.9	0.35	5.52	200	
30	5.84	12.3	7.99	1126	78.8	0.36	5.32	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1125
DO Titrataion: ___ mg/L
Total volume of groundwater purged: 2 gal.

Final Observations: *Color* Clear *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-DGC-4S-09262024 **Date:** 9/26/24 **Time:** 1130

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: MW-1
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: TRQ
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/24/24
Project #: 1940102620 | Pump/Controller ID#: FA01806 | Weather: Sunny, 70s

Well information:

Installed Depth of Well*: 55.55 ft. bmp.
Measured Depth of Well*: ft. bmp.
Depth to Water*: 40.7 ft. bmp.
Length of Water Column (LWC): 14.85 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes:
Well Volume: 2.42 gal.
Pump Intake Depth*: 50.0 ft. bmp.

Start Purge Time: 1250

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
			Select Units from Dropdown Menus						
0	40.70	10.0	8.08	263.5	94.1	18.40	9.18	200	
5	40.72	9.4	8.17	265.1	52.7	14.29	8.26	200	
10	40.72	9.0	8.23	266.5	34.3	12.75	8.71	200	
15	40.72	8.9	8.19	266.7	36.6	12.48	7.67	200	
20	40.72	8.9	8.19	267.6	37.3	12.54	7.90	200	
25	40.72	8.8	8.17	269.3	38.0	12.51	7.52	200	
30	40.73	8.8	8.16	270.2	38.3	12.49	7.68	200	
35	40.73	8.8	8.15	270.9	38.9	12.46	7.77	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1330
DO Titrataion: ___ mg/L
Total volume of groundwater purged: 2.5 gal

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: GW-MW-1- 09242024 **Date:** 9/24/24 **Time:** 1330

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: MW-4
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: CAW
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/24/24
Project #: 1940102620 | Pump/Controller ID#: FM04973/5067/0621 (Pump) | Weather: 70°, Sunny

Well information:

Installed Depth of Well*: 40.8 ft. bmp.
Measured Depth of Well*: — ft. bmp.
Depth to Water*: 26.84 ft. bmp.
Length of Water Column (LWC): 13.96 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes:
Well Volume: 2.27 gal.
Pump Intake Depth*: 34.5 ft. bmp.

Start Purge Time: 1255

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
			Select Units from Dropdown Menus						
0	26.84	12.1	8.54	172.8	91.7	15.14	12.37	300	
5	26.85	9.4	8.78	155.3	89.6	14.19	7.92	200	
10	26.85	9.0	8.66	154.9	93.6	14.00	11.61	200	
15	26.85	9.0	8.61	154.5	95.6	13.80	10.02	200	
20	26.87	8.9	8.64	154.4	98.6	13.62	9.51	200	
25	26.90	8.8	8.64	154.7	99.9	13.59	8.53	200	
30	26.91	8.8	8.62	155.1	101.9	13.57	8.87	200	
35									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1325
DO Titrataion: ___ mg/L
Total volume of groundwater purged: 2.25 gal.

Final Observations: *Color* clear *Odor* none *Sheen/Free Product* None

Analytical Sample ID: GW-MW-4-~~094~~09242024 **Date:** 9/24/24 **Time:** 1330

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-24DR
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: COW TRQ
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/26/24
Project #: 1940102620 | Pump/Controller ID#: FA0528713778 | Weather: RAIN, 70°

Well information:

Installed Depth of Well*: Unknown ft. bmp.
Measured Depth of Well*: 65.05 ft. bmp.
Depth to Water*: 35.50 ft. bmp.
Length of Water Column (LWC): 29.55 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*:
MP Notes:
Well Volume: 19.29 gal.
Pump Intake Depth*: 63.0 ft. bmp.

Start Purge Time: 1315

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time (Minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (ml/min)	Other
		Select Units from Dropdown Menus							
0	35.50	13.9	7.71	1665	116.9	10.59	26.1	250	
5	35.54	13.0	10.76	1732	103.2	9.52	57.7	250	
10	35.51	12.9	11.55	1908	83.8	9.01	19.1	250	
15	35.51	12.8	11.59	2021	83.1	9.43	14.9	250	
20	35.53	12.9	11.68	2171	80.9	9.97	15.3	250	
25	35.54	13.0	11.70	2101	79.4	9.50	14.0	250	
30	35.54	12.8	11.75	2095	81.3	9.99	13.2	200	
35	35.54	12.9	11.73	2057	86.4	8.95	12.7	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1350
Total volume of groundwater purged: 2 gal.
DO Titrataion: ___ mg/L

Final Observations: *Color* Clear *Odor* none *Sheen/Free Product* None

Analytical Sample ID: GW-M-24DR- 09262024 **Date:** 9/26/24 **Time:** 1355

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-25S
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: COJ
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/25/24
Project #: 1940102620 | Pump/Controller ID#: FAD 5287/3774/1806 | Weather: 65°, overcast

Well information:

Installed Depth of Well*: 39 ft. bmp.
Measured Depth of Well*: ~ ft. bmp.
Depth to Water*: 26.46 ft. bmp.
Length of Water Column (LWC): 12.54 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: well casing
MP Notes:
Well Volume: 2.07 gal.
Pump Intake Depth*: 33.0 ft. bmp.

Start Purge Time: 1015

Initial Observations: *Color* clear brown tint *Odor* none *Sheen/Free Product* none

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
				Select Units from Dropdown Menus					
0	26.46	16.9	7.54	136.3	25.9	8.95	92.8	200	
5	26.62	10.6	7.56	1385	23.1	5.49	31.2	200	
10	26.62	16.5	7.60	1393	21.6	5.14	27.9	200	
15	26.63	10.5	7.58	1397	21.2	5.06	18.4	200	
20	26.64	10.5	7.65	1400	21.2	5.05	13.00	200	
25	26.64	16.9	7.62	1403	21.4	5.02	8.14	200	
30	26.65	10.4	7.62	1404	21.6	5.00	6.85	200	
35	26.65	10.4	7.62	1402	21.7	4.96	5.27	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1050
DO Titrataion: ___ mg/L
Total volume of groundwater purged: 2 gal.

Final Observations: *Color* clear *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-M-25S-09252024 **Date:** 9/25/24 **Time:** 1055

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-25D
Northing:
Easting:

Site Name: Malta Rocket Fuel Site
Site Location: Malta, NY
Project #: 1940102620
Sampling Method: Bladder Pump
Equipment Used: Bladder Pump
Pump/Controller ID#:
Field Personnel: TRQ
Date: 9/25/24
Weather: 70s, Rain

Well information:

Installed Depth of Well*: 64.4 ft. bmp.
Measured Depth of Well*: ft. bmp.
Depth to Water*: 28.37 ft. bmp.
Length of Water Column (LWC): 36.03 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: top of casing
MP Notes:
Well Volume: 23.53 gal.
Pump Intake Depth*: 57.0 ft. bmp.

Start Purge Time: 1010

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
			Select Units from Dropdown Menus						
0	28.37	11.4	8.10	673	68.9	8.29	2.55	200	
5	28.40	10.6	7.61	760	74.2	6.10	0.89	200	
10	28.40	10.5	7.73	822	70.9	4.61	1.21	200	
15	28.40	10.5	7.84	834	68.7	4.27	1.36	200	
20	28.40	10.5	7.85	840	66.8	4.15	0.94	200	
25	28.40	10.5	7.85	~~838~~ 841	66.5	4.10	0.85	200	
30	28.40	10.5	7.85	842	65.9	4.02	0.92	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1040

Total volume of groundwater purged: 4.5 gal.

DO Titrataion: ___ mg/L

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: GW-M-25D- 09252024 **Date:** 9/25/24 **Time:** 1040

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-26S
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: CDW
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/24/24
Project #: 1940102620 | Pump/Controller ID#: FA: 9973 / 5067 / 0621 | Weather: 70°, Sunny

Well information:

Installed Depth of Well*: 42.85 ft. bmp.
Measured Depth of Well*: 29.68 ft. bmp.
Depth to Water*: 18.62 ft. bmp.
Length of Water Column (LWC): 11.06 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*:
MP Notes:
Well Volume: 1.80 gal.
Pump Intake Depth*: 37.0 ft. bmp.

Start Purge Time: 1015

Initial Observations: *Color* pale brown *Odor* None *Sheen/Free Product* pale brown none

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity µS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
			Select Units from Dropdown Menus						
0	18.62	13.9	7.72	2516	199.1	4.91	37.2	200	
5	18.63	13.8	7.85	2575	192.8	5.24	143.6	200	
10	18.65	13.4	7.78	2509	186.1	6.07	126.5	200	
15	18.65	13.2	7.79	2513	176.4	8.94	102.2	200	
20	18.64	13.7	7.84	2523	172.4	8.98	94.3	200	
25	18.64	13.2	7.87	2538	168.2	9.31	88.2	200	
30	18.46	13.1	7.83	2546	165.3	9.44	86.7	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1045
DO Titrataion: ___ mg/L
Total volume of groundwater purged: 2 gal.

Final Observations: *Color* brown *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-M-26S-09242024 **Date:** 9/24/24 **Time:** 1050

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear Glass	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-26D
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: TRQ
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/24/24
Project #: 1940102620 | Pump/Controller ID#: 6 MP50 2491 (FA0180G) | Weather: Sunny, Lite 60s

Well information:

Installed Depth of Well*: 84.8 ft. bmp.
Measured Depth of Well*: ~ ft. bmp.
Depth to Water*: 25.26 ft. bmp.
Length of Water Column (LWC): 58.54 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes:
Well Volume: 38.22 gal.
Pump Intake Depth*: 79.0 ft. bmp.

Start Purge Time: 1020

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity µS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
	Select Units from Dropdown Menus								
0	26.26	15.4	7.83	358.1	170.4	5.21	30.2	200	
5	26.41	14.4	7.94	359.0	164.9	2.76	22.7	200	
10	26.39	14.6	8.04	352.9	154.4	2.29	25.0	200	
15	26.39	14.0	8.10	356.8	144.1	2.07	22.6	200	
20	26.39	13.6	8.13	355.7	138.0	2.13	20.3	200	
25	26.39	13.8	8.13	356.3	136.2	2.00	21.9	200	
30	26.39	13.8	8.15	355.3	133.4	1.98	18.2	200	
35	26.39	13.7	8.14	354.4	131.7	1.92	17.9	200	
40	26.39	13.6	8.14	354.9	128.2	1.91	17.7	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1100 DO Titrataion: ___ mg/L

Total volume of groundwater purged: 2.5 gal

Final Observations: *Color* Clear *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-M-26D-09242024 **Date:** 9/24/24 **Time:** 1100

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes: FD-2 Collected here

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-27D
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: TRQ CDH
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/23/24
Project #: 1940102620 | Pump/Controller ID#: FAD | Weather: 70°, overcast

Well information:

Installed Depth of Well*: 70 ft. bmp.
Measured Depth of Well*: 3 ft. bmp.
Depth to Water*: ~~32.54~~ 32.54 ft. bmp.
Length of Water Column (LWC): 37.46 ft.
Well Diameter: ~~4.0~~ 4.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes:
Well Volume: 24.46 gal.
Pump Intake Depth*: 65.0 ft. bmp.

Start Purge Time: 1220

Initial Observations: *Color* Brown Cloudy *Odor* None *Sheen/Free Product* None

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity µS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
				Select Units from Dropdown Menus					
0	32.54	14.80	7.35	807	123.7	9.40	55.3	300	
5	33.69	11.8	7.25	1069	118.5	7.19	70.4	300	
10	32.80	11.4	7.25	1214	81.3	7.08	OR	200	
15	32.85	11.7	7.32	1194	74.3	6.08	OR	200	
20	32.79	12.5	7.33	1199	74.4	6.13	OR	200	
25	32.70	12.5	7.35	1147	72.1	5.85	88.2	200	
30	32.71	12.3	7.36	1129	69.5	5.85	92.4	200	
35	32.70	12.5	7.36	1113	62.0	5.94	106.9	200	
40	32.70	12.3	7.36	1081	50.1	5.68	97.4	200	
45	32.70	12.5	7.36	1082	44.3	5.74	52.3	200	
50	32.70	12.6	7.36	1083	40.1	5.79	39.1	200	
55	32.70	12.3	7.37	1084	37.4	5.72	43.6	200	
60	32.70	12.4	7.37	1084	35.2	5.73	40.9	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1320
DO Titrataion: ___ mg/L
Total volume of groundwater purged: 4.0 gal.

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: GW-M-27D- 09232024 **Date:** 9/23/24 **Time:** 1320

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins
125 ml	Polyethylene	1	No	None	Eurofins
250 ml	Polyethylene	1	No	HNO3	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-28D S
Northing:
Easting:

Site Name:	Malta Rocket Fuel Site	Sampling Method:	Bladder Pump	Field Personnel:	
Site Location:	Malta, NY	Equipment Used:	Bladder Pump	Date:	
Project #:	1940102620	Pump/Controller ID#:		Weather:	

Well information:

Installed Depth of Well*:	~~95.5~~ 62 ft. bmp.	Measurement Point*:	
Measured Depth of Well*:	ft. bmp.	MP Notes:	
Depth to Water*:	48.30 ft. bmp.		
Length of Water Column (LWC):	13.7 ft.	Well Volume:	2.23 gal.
Well Diameter:	~~4~~ 2 in.	Pump Intake Depth*:	79.0 ft. bmp.

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

Start Purge Time: 1255

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
			Select Units from Dropdown Menus						
0	48.36	13.0	8.10	510	97.7	8.09	2.92	200	
5	48.79	10.1	7.66	527	95.1	8.97	2.51	200	
10	48.80	10.9	7.68	617	90.8	8.90	2.68	200	
15	48.80	10.9	7.66	674	72.5	8.99	2.37	200	
20	48.80	10.9	7.68	696	88.8	9.31	2.20	200	
25	48.80	10.9	7.68	705	93.4	9.29	2.14	200	
30	48.80	10.9	7.68	~~700~~ 707	96.6	9.28	2.08	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1325 DO Titrataion: mg/L

Total volume of groundwater purged: 2.5 gal.

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: GW-M-28~~D~~S- 09252024 **Date:** 9/25/24 **Time:** 1325

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-28S0
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel:
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date:
Project #: 1940102620 | Pump/Controller ID#: | Weather:

Well information:

Installed Depth of Well*: 85.3 ~~87~~ ft. bmp.
Measured Depth of Well*: ft. bmp.
Depth to Water*: 49.47 ft. bmp.
Length of Water Column (LWC): 35.83 ft.
Well Diameter: 4 ~~2~~ in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

Measurement Point*:
MP Notes:
Well Volume: 23.4 gal.
Pump Intake Depth*: 79.0 ~~87.0~~ ft. bmp.

Start Purge Time: 1150

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity µS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
	Select Units from Dropdown Menus								
0	49.47	11.8	8.05	709	113.7	6.70	3.18	200	
5	49.52	11.2	8.04	706	117.7	~~5.79~~	2.96	200	
10	49.52	10.8	8.05	711	~~122.8~~	~~5.28~~	2.61	200	
15	49.52	10.8	8.04	717	124.2	4.93	2.25	200	
20	49.52	10.6	8.02	730	125.6	4.83	2.07	200	
25	49.52	10.6	8.01	744	126.5	4.67	1.91	200	
30	49.52	10.7	8.00	748	127.5	4.60	1.88	200	
35	49.52	10.8	7.99	750	128.1	4.56	1.52	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1225

DO Titrataion: mg/L

Total volume of groundwater purged: gal.

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: GW-M-28D-09252024 **Date:** 9/25/24 **Time:** 1225

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-29~~D~~S
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: CSW
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/25/24
Project #: 1940102620 | Pump/Controller ID#: FA05287/[illegible] | Weather: 76°, Overcast/Fog

Well information:

Installed Depth of Well*: 53.1 ~~84~~ ft. bmp.
Measured Depth of Well*: ~ ft. bmp.
Depth to Water*: 41.32 ft. bmp.
Length of Water Column (LWC): 1.78 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*: well casing
MP Notes:
Well Volume: 1.59 gal.
Pump Intake Depth*: 79.0 ft. bmp.

Start Purge Time: 1220

Initial Observations: *Color* clear *Odor* none *Sheen/Free Product* none

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity µS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
				Select Units from Dropdown Menus					
0	41.32	10.6	8.34	306.1	26.8	12.77	17.2	250	
5	41.37	11.1	8.41	289.3	28.8	12.80	97.6	250	
10	41.36	11.1	8.37	320	28.3	12.83	47.5	250	
15	41.38	11.1	8.45	281.7	27.7	11.85	36.2	250	
20	41.40	10.9	8.43	274.3	27.3	11.77	26.1	250	
25	41.42	10.9	8.40	271.6	28.0	11.52	19.7	250	
30	41.46	10.8	8.44	268.3	27.3	11.87	20.6	250	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1250
Total volume of groundwater purged: 2.5 gal.
DO Titrataion: ___ mg/L

Final Observations: *Color* none *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-M-~~29D~~-29S-09252024 **Date:** 9/25/24 **Time:** 1255

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: M-29D
Northing:
Easting:

Site Name: Malta Rocket Fuel Site | Sampling Method: Bladder Pump | Field Personnel: CDW
Site Location: Malta, NY | Equipment Used: Bladder Pump | Date: 9/25/24
Project #: 1940102620 | Pump/Controller ID#: FAD 5287 13778 | Weather: 70°, overcast

Well information:

Installed Depth of Well*: ~~504~~ 84 ft. bmp.
Measured Depth of Well*: — ft. bmp.
Depth to Water*: 43.61 ft. bmp.
Length of Water Column (LWC): ~~9.49~~ 40.39 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
2 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

Measurement Point*:
MP Notes:
Well Volume: 26.37 gal.
Pump Intake Depth*: 47.0 ft. bmp.

Start Purge Time: 1135

Initial Observations: *Color* Clear *Odor* none *Sheen/Free Product* none

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
			Select Units from Dropdown Menus						
0	43.61	11.5	7.74	1023	24.6	10.61	8.24	200	
5	43.69	10.11	8.00	935	24.7	9.53	24.6	200	
10	43.71	10.0	8.04	875	25.4	9.79	36.9	200	
15	43.73	9.9	8.04	858	26.2	9.91	33.5	200	
20	43.74	9.9	8.02	851	26.7	9.95	31.6	200	
25	43.74	9.9	8.02	849	26.9	9.94	33.8	200	
30	43.75	9.9	8.01	849	27.0	9.96	32.7	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1205
Total volume of groundwater purged: 2 gal.
DO Titrataion: ___ mg/L

Final Observations: *Color* Clear *Odor* none *Sheen/Free Product* none

Analytical Sample ID: GW-M-29D-09252024 **Date:** 9/25/24 **Time:** ~~1230~~ 1210

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	3	No	HCl	Eurofins
40 ml	Clear VOA	3	No	HCl	Eurofins

Notes:

RAMBOLL

Malta Rocket Fuel
Hermes Rd, Malta, NY 12020
SURFACE WATER SAMPLING LOG

Investigators: CDW TRD
Date: 9/23 -
Weather:

Location ID	Location		Temp.	pH	Conductivity	Tubidity	Field Sample ID	Time	QA/QC	Notes / Other Observations
	Northing	Easting	Celsius	(S.I. Units)	~~mS~~ uS/cm	NTU		(hh:mm)		
SW-A			13.7	7.97	715	26.7	SW-A-09232024	1415	—	
SW-B			14.6	8.18	656	17.2	SW-B-09232024/-MS/-MSD FD-1-09232024	1445	MS/MSD + FD	Collected 9/23/2024 [redacted]2
SW-D			12.5	8.44	977	22.7	SW-D-09232024	1404	—	
SW-E			11.2	8.24	520	17.4	SW-E-09232024	1453	—	
SW-F			14.2	8.49	496	47.2	SW-F-09232024	1430	-	
SW-G			12.8	8.29	511	25.9	SW-G-09232024	1410	—	

Notes: SW-B has additional Hexchrome analysis, FD and MS/MSD collected at SW-B

Appendix B

Reviewed Result Forms and Laboratory Data

Appendix B.1

Reviewed Result Forms

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-10S-09262024
Date Collected: 09/26/24 10:00
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 11:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 11:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 11:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 11:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 11:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 11:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 11:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 11:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 11:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 11:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 11:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 11:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 11:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 11:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 11:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 11:14	1
Acetone	10	U	10	3.0	ug/L			09/28/24 11:14	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 11:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 11:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 11:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 11:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 11:14	1
Carbon tetrachloride	**0.36**	**J**	1.0	0.27	ug/L			09/28/24 11:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 11:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 11:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 11:14	1
Chloroform	**0.52**	**J**	1.0	0.34	ug/L			09/28/24 11:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 11:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 11:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 11:14	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 11:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 11:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 11:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 11:14	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 11:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 11:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 11:14	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 11:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 11:14	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 11:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 11:14	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 11:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 11:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 11:14	1
Trichloroethene	**2.1**		1.0	0.46	ug/L			09/28/24 11:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 11:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 11:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 11:14	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-10S-09262024
Date Collected: 09/26/24 10:00
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 11:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/24 11:14*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*09/28/24 11:14*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 11:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 12:54	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-11D-09242024
Date Collected: 09/24/24 12:05
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 06:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 06:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 06:45	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 06:45	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 06:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 06:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:45	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 06:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 06:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 06:45	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/26/24 06:45	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 06:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 06:45	1
Acetone	10	U	10	3.0	ug/L			09/26/24 06:45	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:45	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 06:45	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 06:45	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 06:45	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 06:45	1
Carbon tetrachloride	**4.8**		1.0	0.27	ug/L			09/26/24 06:45	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 06:45	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:45	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:45	1
Chloroform	**0.41**	**J**	1.0	0.34	ug/L			09/26/24 06:45	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 06:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 06:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 06:45	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 06:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 06:45	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 06:45	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 06:45	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:45	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 06:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 06:45	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 06:45	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 06:45	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 06:45	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 06:45	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 06:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 06:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 06:45	1
Trichloroethene	**1.4**		1.0	0.46	ug/L			09/26/24 06:45	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 06:45	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 06:45	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 06:45	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-11D-09242024
Date Collected: 09/24/24 12:05
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/26/24 06:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/26/24 06:45*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/26/24 06:45*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/26/24 06:45*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 13:38	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-13S-09262024
Date Collected: 09/26/24 12:55
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 12:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 12:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 12:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 12:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 12:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 12:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 12:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 12:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 12:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 12:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 12:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 12:03	1
Acetone	10	U	10	3.0	ug/L			09/28/24 12:03	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 12:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 12:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 12:03	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 12:03	1
Carbon tetrachloride	**1.1**		1.0	0.27	ug/L			09/28/24 12:03	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 12:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 12:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 12:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 12:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 12:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 12:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 12:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 12:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 12:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:03	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 12:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 12:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 12:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 12:03	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 12:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 12:03	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 12:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 12:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 12:03	1
Trichloroethene	**0.66**	**J**	1.0	0.46	ug/L			09/28/24 12:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 12:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 12:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 12:03	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-13S-09262024
Date Collected: 09/26/24 12:55
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/28/24 12:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/28/24 12:03*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*09/28/24 12:03*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/28/24 12:03*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 10:42	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-13D-09232024
Date Collected: 09/23/24 12:00
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 14:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 14:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 14:19	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 14:19	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 14:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 14:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 14:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 14:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 14:19	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 14:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 14:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 14:19	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 14:19	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 14:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 14:19	1
Acetone	10	U	10	3.0	ug/L			09/24/24 14:19	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 14:19	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 14:19	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 14:19	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 14:19	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 14:19	1
Carbon tetrachloride	**0.73**	**J**	1.0	0.27	ug/L			09/24/24 14:19	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 14:19	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 14:19	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 14:19	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 14:19	1
Chloromethane	1.0	~~U~~ UJ	1.0	0.35	ug/L			09/24/24 14:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 14:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 14:19	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 14:19	1
Dichlorodifluoromethane	1.0	~~U~~ UJ	1.0	0.68	ug/L			09/24/24 14:19	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 14:19	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 14:19	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 14:19	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 14:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 14:19	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 14:19	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 14:19	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 14:19	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 14:19	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 14:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 14:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 14:19	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 14:19	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 14:19	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 14:19	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 14:19	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-13D-09232024
Date Collected: 09/23/24 12:00
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/24/24 14:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/24/24 14:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/24/24 14:19*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/24/24 14:19*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 12:19	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0032**	**J**	0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.010	U H	0.010	0.0050	mg/L			09/24/24 13:05	1

Client Sample ID: GW-4S-09252024

Date Collected: 09/25/24 09:45
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 18:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 18:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 18:26	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 18:26	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 18:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 18:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:26	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:26	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 18:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 18:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 18:26	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 18:26	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 18:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 18:26	1
Acetone	10	U	10	3.0	ug/L			09/27/24 18:26	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:26	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 18:26	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 18:26	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 18:26	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 18:26	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 18:26	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 18:26	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:26	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:26	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 18:26	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 18:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 18:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 18:26	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 18:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 18:26	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 18:26	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 18:26	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:26	1
Methyl acetate	2.5	U ~~*~~ UJ	2.5	1.3	ug/L			09/27/24 18:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 18:26	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 18:26	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 18:26	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 18:26	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 18:26	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 18:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 18:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 18:26	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 18:26	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 18:26	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 18:26	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 18:26	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-4S-09252024
Date Collected: 09/25/24 09:45
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*80 - 120*		*09/27/24 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/27/24 18:26*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/27/24 18:26*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/27/24 18:26*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 13:50	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-4D-09252024
Date Collected: 09/25/24 09:50
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 18:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 18:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 18:49	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 18:49	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 18:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 18:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:49	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:49	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 18:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 18:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 18:49	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 18:49	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 18:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 18:49	1
Acetone	10	U	10	3.0	ug/L			09/27/24 18:49	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:49	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 18:49	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 18:49	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 18:49	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 18:49	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 18:49	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 18:49	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:49	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 18:49	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 18:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 18:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 18:49	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 18:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 18:49	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 18:49	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 18:49	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:49	1
Methyl acetate	2.5	~~U~~ UJ	2.5	1.3	ug/L			09/27/24 18:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 18:49	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 18:49	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 18:49	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 18:49	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 18:49	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 18:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 18:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 18:49	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 18:49	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 18:49	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 18:49	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 18:49	1

VJM 10/8/24

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-4D-09252024
Date Collected: 09/25/24 09:50
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*116*		*80 - 120*		*09/27/24 18:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/27/24 18:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/27/24 18:49*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/27/24 18:49*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 14:09	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-DGC-4S-09262024
Date Collected: 09/26/24 11:30
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 11:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 11:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 11:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 11:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 11:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 11:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 11:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 11:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 11:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 11:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 11:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 11:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 11:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 11:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 11:39	1
Acetone	10	U	10	3.0	ug/L			09/28/24 11:39	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 11:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 11:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 11:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 11:39	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 11:39	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 11:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 11:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 11:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 11:39	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 11:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 11:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 11:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 11:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 11:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 11:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 11:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 11:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 11:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 11:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 11:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 11:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 11:39	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 11:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 11:39	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 11:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 11:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 11:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 11:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 11:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 11:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 11:39	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-DGC-4S-09262024
Date Collected: 09/26/24 11:30
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 11:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/28/24 11:39*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/28/24 11:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 11:39*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 10:23	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-MW-1-09242024
Date Collected: 09/24/24 13:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 07:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 07:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 07:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 07:07	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 07:07	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 07:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 07:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 07:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 07:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 07:07	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 07:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 07:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 07:07	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/26/24 07:07	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 07:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 07:07	1
Acetone	10	U	10	3.0	ug/L			09/26/24 07:07	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 07:07	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 07:07	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 07:07	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 07:07	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 07:07	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/26/24 07:07	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 07:07	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 07:07	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 07:07	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/26/24 07:07	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 07:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 07:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 07:07	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 07:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 07:07	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 07:07	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 07:07	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 07:07	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 07:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 07:07	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 07:07	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 07:07	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 07:07	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 07:07	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 07:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 07:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 07:07	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/26/24 07:07	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 07:07	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 07:07	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 07:07	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-MW-1-09242024
Date Collected: 09/24/24 13:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/26/24 07:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/26/24 07:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/24 07:07*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/26/24 07:07*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 13:57	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-MW-4-09242024
Date Collected: 09/24/24 13:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 01:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 01:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 01:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 01:17	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 01:17	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 01:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 01:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 01:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 01:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 01:17	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 01:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 01:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 01:17	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 01:17	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 01:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 01:17	1
Acetone	10	U	10	3.0	ug/L			09/28/24 01:17	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 01:17	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 01:17	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 01:17	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 01:17	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 01:17	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 01:17	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 01:17	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 01:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 01:17	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 01:17	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 01:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 01:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 01:17	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 01:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 01:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 01:17	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 01:17	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 01:17	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 01:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 01:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 01:17	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 01:17	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 01:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 01:17	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 01:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 01:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 01:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 01:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 01:17	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 01:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 01:17	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-MW-4-09242024
Date Collected: 09/24/24 13:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 01:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/28/24 01:17*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*09/28/24 01:17*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/28/24 01:17*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 14:16	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-24DR-09262024
Date Collected: 09/26/24 13:55
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 12:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 12:28	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 12:28	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 12:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 12:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:28	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:28	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 12:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 12:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 12:28	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 12:28	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 12:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 12:28	1
Acetone	10	U	10	3.0	ug/L			09/28/24 12:28	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:28	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 12:28	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 12:28	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 12:28	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 12:28	1
Carbon tetrachloride	**2.8**		1.0	0.27	ug/L			09/28/24 12:28	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 12:28	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:28	1
Chloroform	**0.83**	**J**	1.0	0.34	ug/L			09/28/24 12:28	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 12:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 12:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 12:28	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 12:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 12:28	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 12:28	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 12:28	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:28	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 12:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 12:28	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 12:28	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 12:28	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 12:28	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 12:28	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 12:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 12:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 12:28	1
Trichloroethene	**4.6**		1.0	0.46	ug/L			09/28/24 12:28	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 12:28	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 12:28	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 12:28	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-24DR-09262024
Date Collected: 09/26/24 13:55
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/24 12:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/24 12:28*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/28/24 12:28*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/28/24 12:28*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 11:01	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-25S-09252024
Date Collected: 09/25/24 10:55
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 19:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.3**		1.0	0.31	ug/L			09/27/24 19:36	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 19:36	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 19:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 19:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:36	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:36	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 19:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 19:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 19:36	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 19:36	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 19:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 19:36	1
Acetone	10	U	10	3.0	ug/L			09/27/24 19:36	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:36	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 19:36	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 19:36	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 19:36	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 19:36	1
Carbon tetrachloride	**11**		1.0	0.27	ug/L			09/27/24 19:36	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 19:36	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:36	1
Chloroform	**0.60**	**J**	1.0	0.34	ug/L			09/27/24 19:36	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 19:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 19:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 19:36	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 19:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 19:36	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 19:36	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 19:36	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:36	1
Methyl acetate	2.5	~~U~~ UJ	2.5	1.3	ug/L			09/27/24 19:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 19:36	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 19:36	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 19:36	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 19:36	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 19:36	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 19:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 19:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 19:36	1
Trichloroethene	**30**		1.0	0.46	ug/L			09/27/24 19:36	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 19:36	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 19:36	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 19:36	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-25S-09252024
Date Collected: 09/25/24 10:55
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*80 - 120*		*09/27/24 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/27/24 19:36*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*09/27/24 19:36*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/27/24 19:36*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 14:47	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-25D-09252024
Date Collected: 09/25/24 10:40
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 19:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 19:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.0**		1.0	0.31	ug/L			09/27/24 19:13	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 19:13	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 19:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 19:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:13	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:13	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 19:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 19:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 19:13	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 19:13	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 19:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 19:13	1
Acetone	10	U	10	3.0	ug/L			09/27/24 19:13	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:13	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 19:13	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 19:13	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 19:13	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 19:13	1
Carbon tetrachloride	**15**		1.0	0.27	ug/L			09/27/24 19:13	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 19:13	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:13	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:13	1
Chloroform	**1.2**		1.0	0.34	ug/L			09/27/24 19:13	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 19:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 19:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 19:13	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 19:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 19:13	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 19:13	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 19:13	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:13	1
Methyl acetate	2.5	~~U~~ UJ	2.5	1.3	ug/L			09/27/24 19:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 19:13	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 19:13	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 19:13	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 19:13	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 19:13	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 19:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 19:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 19:13	1
Trichloroethene	**51**		1.0	0.46	ug/L			09/27/24 19:13	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 19:13	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 19:13	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 19:13	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-25D-09252024
Date Collected: 09/25/24 10:40
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/27/24 19:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/27/24 19:13*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/27/24 19:13*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/27/24 19:13*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 14:28	1

Client Sample ID: GW-M-26S-09242024

Date Collected: 09/24/24 10:50
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 06:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 06:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 06:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 06:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 06:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 06:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 06:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 06:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 06:01	1
2-Butanone (MEK)	**3.9**	**J**	10	1.3	ug/L			09/26/24 06:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 06:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 06:01	1
Acetone	**4.2**	**J**	10	3.0	ug/L			09/26/24 06:01	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 06:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 06:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 06:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 06:01	1
Carbon tetrachloride	**0.74**	**J**	1.0	0.27	ug/L			09/26/24 06:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 06:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:01	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/26/24 06:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 06:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 06:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 06:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 06:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 06:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 06:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 06:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 06:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 06:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 06:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 06:01	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 06:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 06:01	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 06:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 06:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 06:01	1
Trichloroethene	**0.78**	**J**	1.0	0.46	ug/L			09/26/24 06:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 06:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 06:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 06:01	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-26S-09242024
Date Collected: 09/24/24 10:50
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/26/24 06:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/26/24 06:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/24 06:01*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/26/24 06:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 13:00	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-26D-09242024
Date Collected: 09/24/24 11:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 06:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 06:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 06:23	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 06:23	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 06:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 06:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:23	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 06:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 06:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 06:23	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/26/24 06:23	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 06:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 06:23	1
Acetone	10	U	10	3.0	ug/L			09/26/24 06:23	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:23	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 06:23	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 06:23	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 06:23	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 06:23	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/26/24 06:23	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 06:23	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:23	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/26/24 06:23	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 06:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 06:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 06:23	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 06:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 06:23	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 06:23	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 06:23	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:23	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 06:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 06:23	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 06:23	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 06:23	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 06:23	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 06:23	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 06:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 06:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 06:23	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/26/24 06:23	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 06:23	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 06:23	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 06:23	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-26D-09242024
Date Collected: 09/24/24 11:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/26/24 06:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/26/24 06:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/24 06:23*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/26/24 06:23*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 13:19	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: FD-2-09242024
Date Collected: 09/24/24 00:00
Date Received: 09/25/24 10:30

Blind Duplicate of M-26D

Lab Sample ID: 480-223692-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 01:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 01:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 01:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 01:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 01:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 01:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 01:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 01:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 01:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 01:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 01:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 01:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 01:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 01:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 01:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 01:39	1
Acetone	10	U	10	3.0	ug/L			09/28/24 01:39	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 01:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 01:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 01:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 01:39	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 01:39	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 01:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 01:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 01:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 01:39	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 01:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 01:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 01:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 01:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 01:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 01:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 01:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 01:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 01:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 01:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 01:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 01:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 01:39	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 01:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 01:39	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 01:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 01:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 01:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 01:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 01:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 01:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 01:39	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: FD-2-09242024
Date Collected: 09/24/24 00:00
Date Received: 09/25/24 10:30

Blind Duplicate of M-26D

Lab Sample ID: 480-223692-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 01:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*09/28/24 01:39*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/28/24 01:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 01:39*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 14:35	1

VJM 10/8/24

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-27D-09232024
Date Collected: 09/23/24 13:20
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 15:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 15:55	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.0**		1.0	0.31	ug/L			09/24/24 15:55	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 15:55	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 15:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 15:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 15:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 15:55	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 15:55	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 15:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 15:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 15:55	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 15:55	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 15:55	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 15:55	1
Acetone	10	U	10	3.0	ug/L			09/24/24 15:55	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 15:55	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 15:55	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 15:55	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 15:55	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 15:55	1
Carbon tetrachloride	**8.7**		1.0	0.27	ug/L			09/24/24 15:55	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 15:55	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 15:55	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 15:55	1
Chloroform	**2.9**		1.0	0.34	ug/L			09/24/24 15:55	1
Chloromethane	1.0	~~U~~ UJ	1.0	0.35	ug/L			09/24/24 15:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 15:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 15:55	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 15:55	1
Dichlorodifluoromethane	1.0	~~U~~ UJ	1.0	0.68	ug/L			09/24/24 15:55	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 15:55	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 15:55	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 15:55	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 15:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 15:55	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 15:55	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 15:55	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 15:55	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 15:55	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 15:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 15:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 15:55	1
Trichloroethene	**2.6**		1.0	0.46	ug/L			09/24/24 15:55	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 15:55	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 15:55	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 15:55	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-27D-09232024
Date Collected: 09/23/24 13:20
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/24/24 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/24/24 15:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/24/24 15:55*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 15:55*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 12:46	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.24**		0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.010	U	0.010	0.0050	mg/L			09/24/24 13:05	1

Client Sample ID: GW-M-28S-09252024

Date Collected: 09/25/24 13:25
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 20:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 20:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.6**		1.0	0.31	ug/L			09/27/24 20:13	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 20:13	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 20:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:13	1
1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39	ug/L			09/27/24 20:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:13	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:13	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 20:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 20:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 20:13	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 20:13	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 20:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 20:13	1
Acetone	10	U	10	3.0	ug/L			09/27/24 20:13	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:13	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 20:13	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 20:13	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 20:13	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 20:13	1
Carbon tetrachloride	**3.7**		1.0	0.27	ug/L			09/27/24 20:13	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 20:13	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:13	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:13	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 20:13	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 20:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 20:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 20:13	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 20:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 20:13	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 20:13	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 20:13	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:13	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 20:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 20:13	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 20:13	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 20:13	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 20:13	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 20:13	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 20:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 20:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 20:13	1
Trichloroethene	**10**		1.0	0.46	ug/L			09/27/24 20:13	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 20:13	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 20:13	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 20:13	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-28S-09252024
Date Collected: 09/25/24 13:25
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-9
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/27/24 20:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/27/24 20:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/27/24 20:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/27/24 20:13*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 16:02	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-28D-09252024
Date Collected: 09/25/24 12:25
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 20:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 20:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.77**	**J**	1.0	0.31	ug/L			09/27/24 20:23	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 20:23	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 20:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 20:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:23	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 20:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 20:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 20:23	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 20:23	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 20:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 20:23	1
Acetone	10	U	10	3.0	ug/L			09/27/24 20:23	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:23	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 20:23	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 20:23	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 20:23	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 20:23	1
Carbon tetrachloride	**2.5**		1.0	0.27	ug/L			09/27/24 20:23	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 20:23	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:23	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 20:23	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 20:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 20:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 20:23	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 20:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 20:23	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 20:23	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 20:23	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:23	1
Methyl acetate	2.5	~~U~~ UJ	2.5	1.3	ug/L			09/27/24 20:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 20:23	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 20:23	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 20:23	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 20:23	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 20:23	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 20:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 20:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 20:23	1
Trichloroethene	**1.5**		1.0	0.46	ug/L			09/27/24 20:23	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 20:23	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 20:23	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 20:23	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-28D-09252024
Date Collected: 09/25/24 12:25
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-7
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/27/24 20:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/27/24 20:23*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/27/24 20:23*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*09/27/24 20:23*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 15:24	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-29S-09252024
Date Collected: 09/25/24 12:55
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 19:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 19:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 19:50	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 19:50	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 19:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:50	1
1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39	ug/L			09/27/24 19:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:50	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 19:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 19:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 19:50	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 19:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 19:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 19:50	1
Acetone	10	U	10	3.0	ug/L			09/27/24 19:50	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 19:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 19:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 19:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 19:50	1
Carbon tetrachloride	**0.85**	**J**	1.0	0.27	ug/L			09/27/24 19:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 19:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 19:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 19:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 19:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 19:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 19:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 19:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 19:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 19:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:50	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 19:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 19:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 19:50	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 19:50	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 19:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 19:50	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 19:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 19:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 19:50	1
Trichloroethene	**1.6**		1.0	0.46	ug/L			09/27/24 19:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 19:50	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 19:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 19:50	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-29S-09252024
Date Collected: 09/25/24 12:55
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/27/24 19:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/27/24 19:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/27/24 19:50*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/27/24 19:50*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 15:43	1

Client Sample ID: GW-M-26D-09252024

Date Collected: 09/25/24 12:10
Date Received: 09/26/24 10:30

29D

Lab Sample ID: 480-223755-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.87**	**J**	1.0	0.82	ug/L			09/27/24 20:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 20:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.4**		1.0	0.31	ug/L			09/27/24 20:00	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 20:00	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 20:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 20:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:00	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:00	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 20:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 20:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 20:00	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 20:00	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 20:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 20:00	1
Acetone	10	U	10	3.0	ug/L			09/27/24 20:00	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:00	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 20:00	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 20:00	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 20:00	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 20:00	1
Carbon tetrachloride	**8.7**		1.0	0.27	ug/L			09/27/24 20:00	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 20:00	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:00	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 20:00	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 20:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 20:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 20:00	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 20:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 20:00	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 20:00	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 20:00	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:00	1
Methyl acetate	2.5	U* -UJ	2.5	1.3	ug/L			09/27/24 20:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 20:00	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 20:00	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 20:00	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 20:00	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 20:00	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 20:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 20:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 20:00	1
Trichloroethene	**29**		1.0	0.46	ug/L			09/27/24 20:00	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 20:00	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 20:00	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 20:00	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-26D-09252024
Date Collected: 09/25/24 12:10
Date Received: 09/26/24 10:30

29D

Lab Sample ID: 480-223755-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/27/24 20:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/27/24 20:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/27/24 20:00*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*09/27/24 20:00*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 15:06	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-A-09232024
Date Collected: 09/23/24 14:45
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 17:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 17:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 17:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 17:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 17:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 17:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 17:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 17:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 17:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 17:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 17:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 17:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 17:01	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 17:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 17:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 17:01	1
Acetone	10	U	10	3.0	ug/L			09/24/24 17:01	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 17:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 17:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 17:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 17:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 17:01	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 17:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 17:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 17:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 17:01	1
Chloroform	**0.81**	**J**	1.0	0.34	ug/L			09/24/24 17:01	1
Chloromethane	1.0	~~U~~ UJ	1.0	0.35	ug/L			09/24/24 17:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 17:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 17:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 17:01	1
Dichlorodifluoromethane	1.0	~~U~~ UJ	1.0	0.68	ug/L			09/24/24 17:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 17:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 17:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 17:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 17:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 17:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 17:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 17:01	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 17:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 17:01	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 17:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 17:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 17:01	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 17:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 17:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 17:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 17:01	1

VJM 10/8/24

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-A-09232024
Date Collected: 09/23/24 14:45
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/24/24 17:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/24/24 17:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/24/24 17:01*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 17:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 13:43	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-B-09232024
Date Collected: 09/23/24 14:15
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 16:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 16:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 16:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 16:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 16:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 16:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 16:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 16:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 16:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 16:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 16:14	1
Acetone	10	U	10	3.0	ug/L			09/24/24 16:14	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 16:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 16:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 16:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 16:14	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 16:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 16:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:14	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 16:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 16:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 16:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 16:14	1
Cyclohexane	1.0	U F1	1.0	0.18	ug/L			09/24/24 16:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 16:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 16:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 16:14	1
Isopropylbenzene	1.0	U F1	1.0	0.79	ug/L			09/24/24 16:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 16:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 16:14	1
Methylcyclohexane	1.0	U F1	1.0	0.16	ug/L			09/24/24 16:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 16:14	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 16:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 16:14	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 16:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 16:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 16:14	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 16:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 16:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 16:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 16:14	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-B-09232024

Date Collected: 09/23/24 14:15
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/24/24 16:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/24/24 16:14*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/24/24 16:14*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 16:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 13:05	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0040	U	0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.010	U	0.010	0.0050	mg/L			09/24/24 13:05	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: FD-1-09232024
Date Collected: 09/23/24 00:00
Date Received: 09/24/24 10:00

Blind Duplicate of SW-B

Lab Sample ID: 480-223647-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 16:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 16:17	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 16:17	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 16:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 16:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:17	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 16:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 16:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 16:17	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 16:17	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 16:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 16:17	1
Acetone	10	U	10	3.0	ug/L			09/24/24 16:17	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:17	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 16:17	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 16:17	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 16:17	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 16:17	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 16:17	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 16:17	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:17	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 16:17	1
Chloromethane	1.0	~~U~~ UJ	1.0	0.35	ug/L			09/24/24 16:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 16:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 16:17	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 16:17	1
Dichlorodifluoromethane	1.0	~~U~~ UJ	1.0	0.68	ug/L			09/24/24 16:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 16:17	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 16:17	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:17	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 16:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 16:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 16:17	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 16:17	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 16:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 16:17	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 16:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 16:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 16:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 16:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 16:17	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 16:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 16:17	1

VJM 10/8/24

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: FD-1-09232024
Date Collected: 09/23/24 00:00
Date Received: 09/24/24 10:00

Blind Duplicate of SW-B

Lab Sample ID: 480-223647-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/24/24 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/24/24 16:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/24/24 16:17*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 16:17*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 13:24	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0040	U	0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.010	U H H3	0.010	0.0050	mg/L			09/24/24 13:05	1

VJM 10/8/24

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-D-09252024
Date Collected: 09/25/24 14:00
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 13:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 13:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 13:21	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 13:21	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 13:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 13:21	1
1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39	ug/L			09/27/24 13:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 13:21	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 13:21	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 13:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 13:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 13:21	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 13:21	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 13:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 13:21	1
Acetone	10	U	10	3.0	ug/L			09/27/24 13:21	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 13:21	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 13:21	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 13:21	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 13:21	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 13:21	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 13:21	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 13:21	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 13:21	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 13:21	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 13:21	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 13:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 13:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 13:21	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 13:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 13:21	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 13:21	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 13:21	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 13:21	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 13:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 13:21	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 13:21	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 13:21	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 13:21	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 13:21	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 13:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 13:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 13:21	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 13:21	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 13:21	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 13:21	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 13:21	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-D-09252024
Date Collected: 09/25/24 14:00
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/27/24 13:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/27/24 13:21*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/27/24 13:21*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/27/24 13:21*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 16:21	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-E-09242024
Date Collected: 09/24/24 14:55
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 02:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 02:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 02:47	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 02:47	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 02:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 02:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:47	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:47	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 02:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 02:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 02:47	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 02:47	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 02:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 02:47	1
Acetone	10	U	10	3.0	ug/L			09/28/24 02:47	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:47	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 02:47	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 02:47	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 02:47	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 02:47	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 02:47	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 02:47	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:47	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 02:47	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 02:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 02:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 02:47	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 02:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 02:47	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 02:47	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 02:47	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:47	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 02:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 02:47	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 02:47	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 02:47	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 02:47	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 02:47	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 02:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 02:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 02:47	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 02:47	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 02:47	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 02:47	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 02:47	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-E-09242024
Date Collected: 09/24/24 14:55
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		09/28/24 02:47	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		09/28/24 02:47	1
4-Bromofluorobenzene (Surr)	95		73 - 120		09/28/24 02:47	1
Dibromofluoromethane (Surr)	102		75 - 123		09/28/24 02:47	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 15:31	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-F-09242024
Date Collected: 09/24/24 14:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 02:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 02:25	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 02:25	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 02:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 02:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:25	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:25	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 02:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 02:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 02:25	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 02:25	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 02:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 02:25	1
Acetone	**3.2**	**J**	10	3.0	ug/L			09/28/24 02:25	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:25	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 02:25	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 02:25	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 02:25	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 02:25	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 02:25	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 02:25	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:25	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 02:25	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 02:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 02:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 02:25	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 02:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 02:25	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 02:25	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 02:25	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:25	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 02:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 02:25	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 02:25	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 02:25	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 02:25	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 02:25	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 02:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 02:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 02:25	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 02:25	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 02:25	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 02:25	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 02:25	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-F-09242024
Date Collected: 09/24/24 14:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/24 02:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/24 02:25*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/28/24 02:25*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/28/24 02:25*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 15:13	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-G-09242024
Date Collected: 09/24/24 14:10
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 02:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 02:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 02:02	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 02:02	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 02:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 02:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:02	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 02:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 02:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 02:02	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 02:02	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 02:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 02:02	1
Acetone	10	U	10	3.0	ug/L			09/28/24 02:02	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:02	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 02:02	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 02:02	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 02:02	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 02:02	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 02:02	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 02:02	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:02	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:02	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 02:02	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 02:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 02:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 02:02	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 02:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 02:02	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 02:02	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 02:02	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:02	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 02:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 02:02	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 02:02	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 02:02	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 02:02	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 02:02	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 02:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 02:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 02:02	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 02:02	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 02:02	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 02:02	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 02:02	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: SW-G-09242024
Date Collected: 09/24/24 14:10
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-7
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/28/24 02:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/28/24 02:02*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/28/24 02:02*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/28/24 02:02*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 14:54	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: EB-1-09242024
Date Collected: 09/24/24 15:55
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 03:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 03:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 03:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 03:10	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 03:10	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 03:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 03:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 03:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 03:10	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 03:10	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 03:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 03:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 03:10	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 03:10	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 03:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 03:10	1
Acetone	10	U	10	3.0	ug/L			09/28/24 03:10	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 03:10	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 03:10	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 03:10	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 03:10	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 03:10	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 03:10	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 03:10	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 03:10	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 03:10	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 03:10	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 03:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 03:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 03:10	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 03:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 03:10	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 03:10	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 03:10	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 03:10	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 03:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 03:10	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 03:10	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 03:10	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 03:10	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 03:10	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 03:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 03:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 03:10	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 03:10	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 03:10	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 03:10	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 03:10	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: EB-1-09242024
Date Collected: 09/24/24 15:55
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/24 03:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/28/24 03:10*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/28/24 03:10*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/28/24 03:10*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 15:50	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: EB-2-09252024
Date Collected: 09/25/24 08:00
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 18:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 18:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 18:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 18:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 18:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 18:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 18:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 18:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 18:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 18:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 18:03	1
Acetone	10	U	10	3.0	ug/L			09/27/24 18:03	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 18:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 18:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 18:03	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 18:03	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 18:03	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 18:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 18:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 18:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 18:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 18:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 18:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 18:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 18:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 18:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:03	1
Methyl acetate	2.5	~~U~~ UJ	2.5	1.3	ug/L			09/27/24 18:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 18:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 18:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 18:03	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 18:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 18:03	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 18:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 18:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 18:03	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 18:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 18:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 18:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 18:03	1

VJM 10/8/24

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: EB-2-09252024
Date Collected: 09/25/24 08:00
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*80 - 120*		*09/27/24 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/27/24 18:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*09/27/24 18:03*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/27/24 18:03*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 13:31	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: EB-3-09262024
Date Collected: 09/26/24 08:10
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 10:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 10:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 10:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 10:49	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 10:49	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 10:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 10:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 10:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 10:49	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 10:49	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 10:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 10:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 10:49	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 10:49	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 10:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 10:49	1
Acetone	10	U	10	3.0	ug/L			09/28/24 10:49	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 10:49	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 10:49	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 10:49	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 10:49	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 10:49	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 10:49	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 10:49	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 10:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 10:49	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 10:49	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 10:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 10:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 10:49	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 10:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 10:49	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 10:49	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 10:49	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 10:49	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 10:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 10:49	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 10:49	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 10:49	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 10:49	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 10:49	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 10:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 10:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 10:49	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 10:49	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 10:49	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 10:49	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 10:49	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: EB-3-09262024
Date Collected: 09/26/24 08:10
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/28/24 10:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/24 10:49*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*09/28/24 10:49*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 10:49*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 10:04	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-1-09232024
Date Collected: 09/23/24 00:00
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 16:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 16:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 16:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 16:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 16:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 16:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 16:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 16:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 16:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 16:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 16:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 16:39	1
Acetone	10	U	10	3.0	ug/L			09/24/24 16:39	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 16:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 16:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 16:39	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 16:39	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 16:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 16:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:39	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 16:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 16:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 16:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 16:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 16:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 16:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 16:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 16:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 16:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 16:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 16:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 16:39	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 16:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 16:39	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 16:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 16:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 16:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 16:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 16:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 16:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 16:39	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-1-09232024
Date Collected: 09/23/24 00:00
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		09/24/24 16:39	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/24/24 16:39	1
4-Bromofluorobenzene (Surr)	97		73 - 120		09/24/24 16:39	1
Dibromofluoromethane (Surr)	101		75 - 123		09/24/24 16:39	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-2-09242024
Date Collected: 09/24/24 00:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U UJ	1.0	0.82	ug/L			09/28/24 03:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 03:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 03:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 03:32	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 03:32	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 03:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 03:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 03:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 03:32	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 03:32	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 03:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 03:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 03:32	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 03:32	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 03:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 03:32	1
Acetone	10	U	10	3.0	ug/L			09/28/24 03:32	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 03:32	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 03:32	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 03:32	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 03:32	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 03:32	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 03:32	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 03:32	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 03:32	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 03:32	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 03:32	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 03:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 03:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 03:32	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 03:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 03:32	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 03:32	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 03:32	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 03:32	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 03:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 03:32	1
Methylcyclohexane	1.0	U UJ	1.0	0.16	ug/L			09/28/24 03:32	1
Methylene Chloride	**0.56**	**J**	1.0	0.44	ug/L			09/28/24 03:32	1
Styrene	1.0	U UJ	1.0	0.73	ug/L			09/28/24 03:32	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 03:32	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 03:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 03:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 03:32	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 03:32	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 03:32	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 03:32	1
Xylenes, Total	2.0	U UJ	2.0	0.66	ug/L			09/28/24 03:32	1

VJM 10/8/24

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-2-09242024
Date Collected: 09/24/24 00:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-11
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 03:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*09/28/24 03:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/28/24 03:32*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/28/24 03:32*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 16:09	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-3-09252024
Date Collected: 09/25/24 00:00
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 13:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 13:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 13:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 13:57	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 13:57	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 13:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 13:57	1
1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39	ug/L			09/27/24 13:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 13:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 13:57	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 13:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 13:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 13:57	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 13:57	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 13:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 13:57	1
Acetone	10	U	10	3.0	ug/L			09/27/24 13:57	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 13:57	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 13:57	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 13:57	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 13:57	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 13:57	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 13:57	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 13:57	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 13:57	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 13:57	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 13:57	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 13:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 13:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 13:57	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 13:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 13:57	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 13:57	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 13:57	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 13:57	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 13:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 13:57	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 13:57	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 13:57	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 13:57	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 13:57	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 13:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 13:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 13:57	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 13:57	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 13:57	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 13:57	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 13:57	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-3-09252024
Date Collected: 09/25/24 00:00
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		09/27/24 13:57	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		09/27/24 13:57	1
4-Bromofluorobenzene (Surr)	98		73 - 120		09/27/24 13:57	1
Dibromofluoromethane (Surr)	100		75 - 123		09/27/24 13:57	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-4-09262024
Date Collected: 09/26/24 00:00
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 12:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 12:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 12:52	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 12:52	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 12:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 12:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:52	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:52	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 12:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 12:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 12:52	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 12:52	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 12:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 12:52	1
Acetone	10	U	10	3.0	ug/L			09/28/24 12:52	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:52	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 12:52	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 12:52	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 12:52	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 12:52	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 12:52	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 12:52	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:52	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:52	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 12:52	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 12:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 12:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 12:52	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 12:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 12:52	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 12:52	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 12:52	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:52	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 12:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 12:52	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 12:52	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 12:52	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 12:52	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 12:52	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 12:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 12:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 12:52	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 12:52	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 12:52	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 12:52	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 12:52	1

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-4-09262024
Date Collected: 09/26/24 00:00
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		09/28/24 12:52	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		09/28/24 12:52	1
4-Bromofluorobenzene (Surr)	111		73 - 120		09/28/24 12:52	1
Dibromofluoromethane (Surr)	101		75 - 123		09/28/24 12:52	1

Appendix B.2

Laboratory Data Package

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul D'Annibale
Ramboll Americas Engineering Solutions
94 New Karner Road
Suite 106
Albany NY 12203

Generated 10/4/2024 12:15 PM Revision 1

JOB DESCRIPTION

Malta Rocket Fuel (MRFA)
480-223647-1

JOB NUMBER

480-223647-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Authorized for release by
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716 504-9838

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Gen Chem QC Data 2007

Gen Chem ICV/CCV 2007

Gen Chem Blanks 2008

Gen Chem MS/MSD/PDS 2009

Gen Chem LCS/LCSD 2011

Gen Chem MDL 2012

Gen Chem Analysis Run Log 2014

Gen Chem Raw Data 2015

Gen Chem Prep Data 2018

Shipping and Receiving Documents 2020

Client Chain of Custody 2021

Sample Receipt Checklist 2025

Job Narrative
480-223647-1

REVISION

The report being provided is a revision of the original report sent on 10/1/2024. The report (revision 1) is being revised to remove unnecessary data qualifiers..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/24/2024 10:00 AM, 9/25/2024 10:30 AM, 9/26/2024 10:30 AM and 9/27/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.4°C, 2.7°C, 3.3°C and 4.4°C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-725969 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, and Methylcyclohexane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: SW-B-09232024 (480-223647-3).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-725969 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-725960 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated samples are impacted: GW-13D-09232024 (480-223647-1), GW-M-27D-09232024 (480-223647-2), FD-1-09232024 (480-223647-4), TB-1-09232024 (480-223647-5) and SW-A-09232024 (480-223647-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-725960 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated samples are impacted: GW-13D-09232024 (480-223647-1), GW-M-27D-09232024 (480-223647-2), FD-1-09232024 (480-223647-4), TB-1-09232024 (480-223647-5) and SW-A-09232024 (480-223647-6).

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-726373 recovered outside control limits for the following analyte(s): Methyl acetate. Methyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 480-726382 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane.

Method 8260C: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): TB-2-09242024 (480-223692-11).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-726431 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GW-MW-4-09242024 (480-223692-5), FD-2-09242024 (480-223692-6), SW-G-09242024 (480-223692-7), SW-F-09242024 (480-223692-8), SW-E-09242024 (480-223692-9), EB-1-09242024 (480-223692-10) and TB-2-09242024 (480-223692-11).

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

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

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

General Chemistry
Method 7196A: The following sample was received outside of holding time: FD-1-09232024 (480-223647-4).

Method 7196A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: GW-13D-09232024 (480-223647-1).

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

Sample Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223647-1	GW-13D-09232024	Water	09/23/24 12:00	09/24/24 10:00
480-223647-2	GW-M-27D-09232024	Water	09/23/24 13:20	09/24/24 10:00
480-223647-3	SW-B-09232024	Water	09/23/24 14:15	09/24/24 10:00
480-223647-4	FD-1-09232024	Water	09/23/24 00:00	09/24/24 10:00
480-223647-5	TB-1-09232024	Water	09/23/24 00:00	09/24/24 10:00
480-223647-6	SW-A-09232024	Water	09/23/24 14:45	09/24/24 10:00
480-223692-1	GW-M-26S-09242024	Water	09/24/24 10:50	09/25/24 10:30
480-223692-2	GW-M-26D-09242024	Water	09/24/24 11:00	09/25/24 10:30
480-223692-3	GW-M-11D-09242024	Water	09/24/24 12:05	09/25/24 10:30
480-223692-4	GW-MW-1-09242024	Water	09/24/24 13:30	09/25/24 10:30
480-223692-5	GW-MW-4-09242024	Water	09/24/24 13:30	09/25/24 10:30
480-223692-6	FD-2-09242024	Water	09/24/24 00:00	09/25/24 10:30
480-223692-7	SW-G-09242024	Water	09/24/24 14:10	09/25/24 10:30
480-223692-8	SW-F-09242024	Water	09/24/24 14:30	09/25/24 10:30
480-223692-9	SW-E-09242024	Water	09/24/24 14:55	09/25/24 10:30
480-223692-10	EB-1-09242024	Water	09/24/24 15:55	09/25/24 10:30
480-223692-11	TB-2-09242024	Water	09/24/24 00:00	09/25/24 10:30
480-223755-1	EB-2-09252024	Water	09/25/24 08:00	09/26/24 10:30
480-223755-2	GW-4S-09252024	Water	09/25/24 09:45	09/26/24 10:30
480-223755-3	GW-4D-09252024	Water	09/25/24 09:50	09/26/24 10:30
480-223755-4	GW-M-25D-09252024	Water	09/25/24 10:40	09/26/24 10:30
480-223755-5	GW-M-25S-09252024	Water	09/25/24 10:55	09/26/24 10:30
480-223755-6	GW-M-26D-09252024	Water	09/25/24 12:10	09/26/24 10:30
480-223755-7	GW-M-28D-09252024	Water	09/25/24 12:25	09/26/24 10:30
480-223755-8	GW-M-29S-09252024	Water	09/25/24 12:55	09/26/24 10:30
480-223755-9	GW-M-28S-09252024	Water	09/25/24 13:25	09/26/24 10:30
480-223755-10	SW-D-09252024	Water	09/25/24 14:00	09/26/24 10:30
480-223755-11	TB-3-09252024	Water	09/25/24 00:00	09/26/24 10:30
480-223784-1	EB-3-09262024	Water	09/26/24 08:10	09/27/24 09:30
480-223784-2	GW-10S-09262024	Water	09/26/24 10:00	09/27/24 09:30
480-223784-3	GW-DGC-4S-09262024	Water	09/26/24 11:30	09/27/24 09:30
480-223784-4	GW-13S-09262024	Water	09/26/24 12:55	09/27/24 09:30
480-223784-5	GW-M-24DR-09262024	Water	09/26/24 13:55	09/27/24 09:30
480-223784-6	TB-4-09262024	Water	09/26/24 00:00	09/27/24 09:30

Detection Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-13D-09232024 — Lab Sample ID: 480-223647-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.73	J	1.0	0.27	ug/L	1		8260C	Total/NA
Chromium	0.0032	J	0.0040	0.0010	mg/L	1		6010C	Total/NA

Client Sample ID: GW-M-27D-09232024 — Lab Sample ID: 480-223647-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0		1.0	0.31	ug/L	1		8260C	Total/NA
Carbon tetrachloride	8.7		1.0	0.27	ug/L	1		8260C	Total/NA
Chloroform	2.9		1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	2.6		1.0	0.46	ug/L	1		8260C	Total/NA
Chromium	0.24		0.0040	0.0010	mg/L	1		6010C	Total/NA

Client Sample ID: SW-B-09232024 — Lab Sample ID: 480-223647-3

No Detections.

Client Sample ID: FD-1-09232024 — Lab Sample ID: 480-223647-4

No Detections.

Client Sample ID: TB-1-09232024 — Lab Sample ID: 480-223647-5

No Detections.

Client Sample ID: SW-A-09232024 — Lab Sample ID: 480-223647-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.81	J	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: GW-M-26S-09242024 — Lab Sample ID: 480-223692-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.9	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	4.2	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon tetrachloride	0.74	J	1.0	0.27	ug/L	1		8260C	Total/NA
Trichloroethene	0.78	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: GW-M-26D-09242024 — Lab Sample ID: 480-223692-2

No Detections.

Client Sample ID: GW-M-11D-09242024 — Lab Sample ID: 480-223692-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	4.8		1.0	0.27	ug/L	1		8260C	Total/NA
Chloroform	0.41	J	1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: GW-MW-1-09242024 — Lab Sample ID: 480-223692-4

No Detections.

Client Sample ID: GW-MW-4-09242024 — Lab Sample ID: 480-223692-5

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: FD-2-09242024 — Lab Sample ID: 480-223692-6

No Detections.

Client Sample ID: SW-G-09242024 — Lab Sample ID: 480-223692-7

No Detections.

Client Sample ID: SW-F-09242024 — Lab Sample ID: 480-223692-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: SW-E-09242024 — Lab Sample ID: 480-223692-9

No Detections.

Client Sample ID: EB-1-09242024 — Lab Sample ID: 480-223692-10

No Detections.

Client Sample ID: TB-2-09242024 — Lab Sample ID: 480-223692-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.56	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: EB-2-09252024 — Lab Sample ID: 480-223755-1

No Detections.

Client Sample ID: GW-4S-09252024 — Lab Sample ID: 480-223755-2

No Detections.

Client Sample ID: GW-4D-09252024 — Lab Sample ID: 480-223755-3

No Detections.

Client Sample ID: GW-M-25D-09252024 — Lab Sample ID: 480-223755-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0		1.0	0.31	ug/L	1		8260C	Total/NA
Carbon tetrachloride	15		1.0	0.27	ug/L	1		8260C	Total/NA
Chloroform	1.2		1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	51		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: GW-M-25S-09252024 — Lab Sample ID: 480-223755-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3		1.0	0.31	ug/L	1		8260C	Total/NA
Carbon tetrachloride	11		1.0	0.27	ug/L	1		8260C	Total/NA
Chloroform	0.60	J	1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	30		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: GW-M-26D-09252024 — Lab Sample ID: 480-223755-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.87	J	1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.4		1.0	0.31	ug/L	1		8260C	Total/NA
Carbon tetrachloride	8.7		1.0	0.27	ug/L	1		8260C	Total/NA
Trichloroethene	29		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-28D-09252024 — Lab Sample ID: 480-223755-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.77	J	1.0	0.31	ug/L	1		8260C	Total/NA
Carbon tetrachloride	2.5		1.0	0.27	ug/L	1		8260C	Total/NA
Trichloroethene	1.5		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: GW-M-29S-09252024 — Lab Sample ID: 480-223755-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.85	J	1.0	0.27	ug/L	1		8260C	Total/NA
Trichloroethene	1.6		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: GW-M-28S-09252024 — Lab Sample ID: 480-223755-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	1.6		1.0	0.31	ug/L	1		8260C	Total/NA
Carbon tetrachloride	3.7		1.0	0.27	ug/L	1		8260C	Total/NA
Trichloroethene	10		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: SW-D-09252024 — Lab Sample ID: 480-223755-10

No Detections.

Client Sample ID: TB-3-09252024 — Lab Sample ID: 480-223755-11

No Detections.

Client Sample ID: EB-3-09262024 — Lab Sample ID: 480-223784-1

No Detections.

Client Sample ID: GW-10S-09262024 — Lab Sample ID: 480-223784-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.36	J	1.0	0.27	ug/L	1		8260C	Total/NA
Chloroform	0.52	J	1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	2.1		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: GW-DGC-4S-09262024 — Lab Sample ID: 480-223784-3

No Detections.

Client Sample ID: GW-13S-09262024 — Lab Sample ID: 480-223784-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	1.1		1.0	0.27	ug/L	1		8260C	Total/NA
Trichloroethene	0.66	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: GW-M-24DR-09262024 — Lab Sample ID: 480-223784-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	2.8		1.0	0.27	ug/L	1		8260C	Total/NA
Chloroform	0.83	J	1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	4.6		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: TB-4-09262024 — Lab Sample ID: 480-223784-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7196A	Chromium, Hexavalent	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: GW-13D-09232024

Date Collected: 09/23/24 12:00
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 14:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 14:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 14:19	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 14:19	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 14:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 14:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 14:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 14:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 14:19	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 14:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 14:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 14:19	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 14:19	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 14:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 14:19	1
Acetone	10	U	10	3.0	ug/L			09/24/24 14:19	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 14:19	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 14:19	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 14:19	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 14:19	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 14:19	1
Carbon tetrachloride	**0.73**	**J**	1.0	0.27	ug/L			09/24/24 14:19	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 14:19	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 14:19	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 14:19	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 14:19	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 14:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 14:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 14:19	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 14:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 14:19	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 14:19	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 14:19	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 14:19	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 14:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 14:19	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 14:19	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 14:19	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 14:19	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 14:19	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 14:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 14:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 14:19	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 14:19	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 14:19	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 14:19	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 14:19	1

Client Sample ID: GW-13D-09232024
Lab Sample ID: 480-223647-1

Date Collected: 09/23/24 12:00
Matrix: Water
Date Received: 09/24/24 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/24/24 14:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/24/24 14:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/24/24 14:19*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/24/24 14:19*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 12:19	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0032**	**J**	0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.010	U H	0.010	0.0050	mg/L			09/24/24 13:05	1

Client Sample ID: GW-M-27D-09232024

Date Collected: 09/23/24 13:20
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 15:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 15:55	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.0**		1.0	0.31	ug/L			09/24/24 15:55	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 15:55	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 15:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 15:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 15:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 15:55	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 15:55	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 15:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 15:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 15:55	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 15:55	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 15:55	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 15:55	1
Acetone	10	U	10	3.0	ug/L			09/24/24 15:55	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 15:55	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 15:55	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 15:55	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 15:55	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 15:55	1
Carbon tetrachloride	**8.7**		1.0	0.27	ug/L			09/24/24 15:55	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 15:55	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 15:55	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 15:55	1
Chloroform	**2.9**		1.0	0.34	ug/L			09/24/24 15:55	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 15:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 15:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 15:55	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 15:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 15:55	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 15:55	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 15:55	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 15:55	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 15:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 15:55	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 15:55	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 15:55	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 15:55	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 15:55	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 15:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 15:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 15:55	1
Trichloroethene	**2.6**		1.0	0.46	ug/L			09/24/24 15:55	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 15:55	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 15:55	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 15:55	1

Client Sample ID: GW-M-27D-09232024
Lab Sample ID: 480-223647-2

Date Collected: 09/23/24 13:20
Matrix: Water
Date Received: 09/24/24 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/24/24 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/24/24 15:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/24/24 15:55*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 15:55*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 12:46	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.24**		0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.010	U	0.010	0.0050	mg/L			09/24/24 13:05	1

Client Sample ID: SW-B-09232024
Lab Sample ID: 480-223647-3

Date Collected: 09/23/24 14:15
Matrix: Water
Date Received: 09/24/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 16:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 16:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 16:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 16:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 16:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 16:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 16:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 16:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 16:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 16:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 16:14	1
Acetone	10	U	10	3.0	ug/L			09/24/24 16:14	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 16:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 16:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 16:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 16:14	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 16:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 16:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:14	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 16:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 16:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 16:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 16:14	1
Cyclohexane	1.0	U F1	1.0	0.18	ug/L			09/24/24 16:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 16:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 16:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 16:14	1
Isopropylbenzene	1.0	U F1	1.0	0.79	ug/L			09/24/24 16:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 16:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 16:14	1
Methylcyclohexane	1.0	U F1	1.0	0.16	ug/L			09/24/24 16:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 16:14	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 16:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 16:14	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 16:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 16:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 16:14	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 16:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 16:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 16:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 16:14	1

Client Sample ID: SW-B-09232024
Lab Sample ID: 480-223647-3

Date Collected: 09/23/24 14:15
Matrix: Water
Date Received: 09/24/24 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/24/24 16:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/24/24 16:14*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/24/24 16:14*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 16:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 13:05	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0040	U	0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.010	U	0.010	0.0050	mg/L			09/24/24 13:05	1

Client Sample ID: FD-1-09232024
Lab Sample ID: 480-223647-4

Date Collected: 09/23/24 00:00
Matrix: Water
Date Received: 09/24/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 16:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 16:17	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 16:17	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 16:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 16:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:17	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 16:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 16:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 16:17	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 16:17	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 16:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 16:17	1
Acetone	10	U	10	3.0	ug/L			09/24/24 16:17	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:17	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 16:17	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 16:17	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 16:17	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 16:17	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 16:17	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 16:17	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:17	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 16:17	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 16:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 16:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 16:17	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 16:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 16:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 16:17	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 16:17	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:17	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 16:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 16:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 16:17	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 16:17	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 16:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 16:17	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 16:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 16:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 16:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 16:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 16:17	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 16:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 16:17	1

Client Sample ID: FD-1-09232024
Lab Sample ID: 480-223647-4

Date Collected: 09/23/24 00:00
Matrix: Water
Date Received: 09/24/24 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/24/24 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/24/24 16:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/24/24 16:17*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 16:17*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 13:24	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0040	U	0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.010	U H H3	0.010	0.0050	mg/L			09/24/24 13:05	1

Client Sample ID: TB-1-09232024
Lab Sample ID: 480-223647-5

Date Collected: 09/23/24 00:00
Matrix: Water
Date Received: 09/24/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 16:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 16:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 16:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 16:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 16:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 16:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 16:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 16:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 16:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 16:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 16:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 16:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 16:39	1
Acetone	10	U	10	3.0	ug/L			09/24/24 16:39	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 16:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 16:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 16:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 16:39	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 16:39	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 16:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 16:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 16:39	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 16:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 16:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 16:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 16:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 16:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 16:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 16:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 16:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 16:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 16:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 16:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 16:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 16:39	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 16:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 16:39	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 16:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 16:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 16:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 16:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 16:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 16:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 16:39	1

Client Sample ID: TB-1-09232024
Date Collected: 09/23/24 00:00
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		09/24/24 16:39	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/24/24 16:39	1
4-Bromofluorobenzene (Surr)	97		73 - 120		09/24/24 16:39	1
Dibromofluoromethane (Surr)	101		75 - 123		09/24/24 16:39	1

Client Sample ID: SW-A-09232024

Date Collected: 09/23/24 14:45
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 17:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 17:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 17:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 17:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 17:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 17:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 17:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 17:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 17:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 17:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 17:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 17:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 17:01	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 17:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 17:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 17:01	1
Acetone	10	U	10	3.0	ug/L			09/24/24 17:01	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 17:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 17:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 17:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 17:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 17:01	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 17:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 17:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 17:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 17:01	1
Chloroform	**0.81**	**J**	1.0	0.34	ug/L			09/24/24 17:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 17:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 17:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 17:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 17:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 17:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 17:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 17:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 17:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 17:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 17:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 17:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 17:01	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 17:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 17:01	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 17:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 17:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 17:01	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 17:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 17:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 17:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 17:01	1

Client Sample ID: SW-A-09232024
Lab Sample ID: 480-223647-6

Date Collected: 09/23/24 14:45
Matrix: Water
Date Received: 09/24/24 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/24/24 17:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/24/24 17:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/24/24 17:01*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 17:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 13:43	1

Client Sample ID: GW-M-26S-09242024

Date Collected: 09/24/24 10:50
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 06:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 06:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 06:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 06:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 06:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 06:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 06:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 06:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 06:01	1
2-Butanone (MEK)	**3.9**	**J**	10	1.3	ug/L			09/26/24 06:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 06:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 06:01	1
Acetone	**4.2**	**J**	10	3.0	ug/L			09/26/24 06:01	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 06:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 06:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 06:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 06:01	1
Carbon tetrachloride	**0.74**	**J**	1.0	0.27	ug/L			09/26/24 06:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 06:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:01	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/26/24 06:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 06:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 06:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 06:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 06:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 06:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 06:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 06:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 06:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 06:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 06:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 06:01	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 06:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 06:01	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 06:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 06:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 06:01	1
Trichloroethene	**0.78**	**J**	1.0	0.46	ug/L			09/26/24 06:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 06:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 06:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 06:01	1

Client Sample ID: GW-M-26S-09242024
Lab Sample ID: 480-223692-1

Date Collected: 09/24/24 10:50
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/26/24 06:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/26/24 06:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/24 06:01*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/26/24 06:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 13:00	1

Client Sample ID: GW-M-26D-09242024

Date Collected: 09/24/24 11:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 06:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 06:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 06:23	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 06:23	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 06:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 06:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:23	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 06:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 06:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 06:23	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/26/24 06:23	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 06:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 06:23	1
Acetone	10	U	10	3.0	ug/L			09/26/24 06:23	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:23	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 06:23	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 06:23	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 06:23	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 06:23	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/26/24 06:23	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 06:23	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:23	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/26/24 06:23	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 06:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 06:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 06:23	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 06:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 06:23	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 06:23	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 06:23	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:23	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 06:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 06:23	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 06:23	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 06:23	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 06:23	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 06:23	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 06:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 06:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 06:23	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/26/24 06:23	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 06:23	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 06:23	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 06:23	1

Client Sample ID: GW-M-26D-09242024
Lab Sample ID: 480-223692-2

Date Collected: 09/24/24 11:00
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/26/24 06:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/26/24 06:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/24 06:23*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/26/24 06:23*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 13:19	1

Client Sample ID: GW-M-11D-09242024
Lab Sample ID: 480-223692-3

Date Collected: 09/24/24 12:05
Matrix: Water
Date Received: 09/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 06:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 06:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 06:45	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 06:45	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 06:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 06:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 06:45	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 06:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 06:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 06:45	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/26/24 06:45	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 06:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 06:45	1
Acetone	10	U	10	3.0	ug/L			09/26/24 06:45	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:45	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 06:45	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 06:45	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 06:45	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 06:45	1
Carbon tetrachloride	**4.8**		1.0	0.27	ug/L			09/26/24 06:45	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 06:45	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:45	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 06:45	1
Chloroform	**0.41**	**J**	1.0	0.34	ug/L			09/26/24 06:45	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 06:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 06:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 06:45	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 06:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 06:45	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 06:45	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 06:45	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 06:45	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 06:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 06:45	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 06:45	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 06:45	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 06:45	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 06:45	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 06:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 06:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 06:45	1
Trichloroethene	**1.4**		1.0	0.46	ug/L			09/26/24 06:45	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 06:45	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 06:45	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 06:45	1

Client Sample ID: GW-M-11D-09242024
Lab Sample ID: 480-223692-3

Date Collected: 09/24/24 12:05
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/26/24 06:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/26/24 06:45*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/26/24 06:45*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/26/24 06:45*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 13:38	1

Client Sample ID: GW-MW-1-09242024

Date Collected: 09/24/24 13:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 07:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 07:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 07:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 07:07	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 07:07	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 07:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 07:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 07:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 07:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 07:07	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 07:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 07:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 07:07	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/26/24 07:07	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 07:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 07:07	1
Acetone	10	U	10	3.0	ug/L			09/26/24 07:07	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 07:07	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 07:07	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 07:07	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 07:07	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 07:07	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/26/24 07:07	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 07:07	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 07:07	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 07:07	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/26/24 07:07	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 07:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 07:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 07:07	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 07:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 07:07	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 07:07	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 07:07	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 07:07	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 07:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 07:07	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 07:07	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 07:07	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 07:07	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 07:07	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 07:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 07:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 07:07	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/26/24 07:07	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 07:07	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 07:07	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 07:07	1

Client Sample ID: GW-MW-1-09242024
Lab Sample ID: 480-223692-4

Date Collected: 09/24/24 13:30
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/26/24 07:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/26/24 07:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/24 07:07*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/26/24 07:07*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 13:57	1

Client Sample ID: GW-MW-4-09242024

Date Collected: 09/24/24 13:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 01:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 01:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 01:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 01:17	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 01:17	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 01:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 01:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 01:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 01:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 01:17	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 01:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 01:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 01:17	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 01:17	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 01:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 01:17	1
Acetone	10	U	10	3.0	ug/L			09/28/24 01:17	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 01:17	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 01:17	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 01:17	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 01:17	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 01:17	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 01:17	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 01:17	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 01:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 01:17	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 01:17	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 01:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 01:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 01:17	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 01:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 01:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 01:17	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 01:17	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 01:17	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 01:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 01:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 01:17	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 01:17	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 01:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 01:17	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 01:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 01:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 01:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 01:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 01:17	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 01:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 01:17	1

Client Sample ID: GW-MW-4-09242024
Lab Sample ID: 480-223692-5

Date Collected: 09/24/24 13:30
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 01:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/28/24 01:17*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*09/28/24 01:17*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/28/24 01:17*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 14:16	1

Client Sample ID: FD-2-09242024
Lab Sample ID: 480-223692-6

Date Collected: 09/24/24 00:00
Matrix: Water
Date Received: 09/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 01:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 01:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 01:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 01:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 01:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 01:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 01:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 01:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 01:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 01:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 01:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 01:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 01:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 01:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 01:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 01:39	1
Acetone	10	U	10	3.0	ug/L			09/28/24 01:39	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 01:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 01:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 01:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 01:39	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 01:39	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 01:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 01:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 01:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 01:39	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 01:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 01:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 01:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 01:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 01:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 01:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 01:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 01:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 01:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 01:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 01:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 01:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 01:39	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 01:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 01:39	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 01:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 01:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 01:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 01:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 01:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 01:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 01:39	1

Client Sample ID: FD-2-09242024
Date Collected: 09/24/24 00:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 01:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*09/28/24 01:39*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/28/24 01:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 01:39*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 14:35	1

Client Sample ID: SW-G-09242024

Date Collected: 09/24/24 14:10
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 02:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 02:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 02:02	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 02:02	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 02:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 02:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:02	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 02:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 02:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 02:02	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 02:02	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 02:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 02:02	1
Acetone	10	U	10	3.0	ug/L			09/28/24 02:02	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:02	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 02:02	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 02:02	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 02:02	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 02:02	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 02:02	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 02:02	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:02	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:02	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 02:02	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 02:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 02:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 02:02	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 02:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 02:02	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 02:02	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 02:02	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:02	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 02:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 02:02	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 02:02	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 02:02	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 02:02	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 02:02	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 02:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 02:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 02:02	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 02:02	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 02:02	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 02:02	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 02:02	1

Client Sample ID: SW-G-09242024
Lab Sample ID: 480-223692-7

Date Collected: 09/24/24 14:10
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/28/24 02:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/28/24 02:02*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/28/24 02:02*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/28/24 02:02*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 14:54	1

Client Sample ID: SW-F-09242024
Lab Sample ID: 480-223692-8

Date Collected: 09/24/24 14:30
Matrix: Water
Date Received: 09/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 02:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 02:25	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 02:25	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 02:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 02:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:25	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:25	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 02:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 02:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 02:25	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 02:25	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 02:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 02:25	1
Acetone	**3.2**	**J**	10	3.0	ug/L			09/28/24 02:25	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:25	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 02:25	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 02:25	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 02:25	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 02:25	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 02:25	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 02:25	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:25	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 02:25	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 02:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 02:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 02:25	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 02:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 02:25	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 02:25	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 02:25	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:25	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 02:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 02:25	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 02:25	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 02:25	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 02:25	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 02:25	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 02:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 02:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 02:25	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 02:25	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 02:25	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 02:25	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 02:25	1

Client Sample ID: SW-F-09242024
Lab Sample ID: 480-223692-8

Date Collected: 09/24/24 14:30
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/24 02:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/24 02:25*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/28/24 02:25*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/28/24 02:25*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 15:13	1

Client Sample ID: SW-E-09242024

Date Collected: 09/24/24 14:55
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 02:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 02:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 02:47	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 02:47	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 02:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 02:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:47	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 02:47	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 02:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 02:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 02:47	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 02:47	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 02:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 02:47	1
Acetone	10	U	10	3.0	ug/L			09/28/24 02:47	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 02:47	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 02:47	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 02:47	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 02:47	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 02:47	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 02:47	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 02:47	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 02:47	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 02:47	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 02:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 02:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 02:47	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 02:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 02:47	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 02:47	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 02:47	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 02:47	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 02:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 02:47	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 02:47	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 02:47	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 02:47	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 02:47	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 02:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 02:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 02:47	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 02:47	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 02:47	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 02:47	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 02:47	1

Client Sample ID: SW-E-09242024
Lab Sample ID: 480-223692-9

Date Collected: 09/24/24 14:55
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/28/24 02:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/28/24 02:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/28/24 02:47*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/28/24 02:47*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 15:31	1

Client Sample ID: EB-1-09242024
Lab Sample ID: 480-223692-10

Date Collected: 09/24/24 15:55
Matrix: Water
Date Received: 09/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 03:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 03:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 03:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 03:10	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 03:10	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 03:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 03:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 03:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 03:10	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 03:10	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 03:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 03:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 03:10	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 03:10	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 03:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 03:10	1
Acetone	10	U	10	3.0	ug/L			09/28/24 03:10	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 03:10	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 03:10	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 03:10	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 03:10	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 03:10	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 03:10	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 03:10	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 03:10	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 03:10	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 03:10	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 03:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 03:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 03:10	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 03:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 03:10	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 03:10	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 03:10	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 03:10	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 03:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 03:10	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 03:10	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 03:10	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 03:10	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 03:10	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 03:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 03:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 03:10	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 03:10	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 03:10	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 03:10	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 03:10	1

Client Sample ID: EB-1-09242024
Lab Sample ID: 480-223692-10

Date Collected: 09/24/24 15:55
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/24 03:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/28/24 03:10*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/28/24 03:10*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/28/24 03:10*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 15:50	1

Client Sample ID: TB-2-09242024

Date Collected: 09/24/24 00:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 03:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 03:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 03:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 03:32	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 03:32	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 03:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 03:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 03:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 03:32	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 03:32	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 03:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 03:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 03:32	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 03:32	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 03:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 03:32	1
Acetone	10	U	10	3.0	ug/L			09/28/24 03:32	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 03:32	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 03:32	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 03:32	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 03:32	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 03:32	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 03:32	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 03:32	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 03:32	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 03:32	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 03:32	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 03:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 03:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 03:32	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 03:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 03:32	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 03:32	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 03:32	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 03:32	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 03:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 03:32	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 03:32	1
Methylene Chloride	**0.56**	**J**	1.0	0.44	ug/L			09/28/24 03:32	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 03:32	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 03:32	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 03:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 03:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 03:32	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 03:32	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 03:32	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 03:32	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 03:32	1

Client Sample ID: TB-2-09242024
Lab Sample ID: 480-223692-11

Date Collected: 09/24/24 00:00
Matrix: Water
Date Received: 09/25/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 03:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*09/28/24 03:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/28/24 03:32*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/28/24 03:32*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 16:09	1

Client Sample ID: EB-2-09252024
Lab Sample ID: 480-223755-1

Date Collected: 09/25/24 08:00
Matrix: Water
Date Received: 09/26/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 18:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 18:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 18:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 18:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 18:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 18:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 18:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 18:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 18:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 18:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 18:03	1
Acetone	10	U	10	3.0	ug/L			09/27/24 18:03	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 18:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 18:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 18:03	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 18:03	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 18:03	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 18:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 18:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 18:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 18:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 18:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 18:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 18:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 18:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 18:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:03	1
Methyl acetate	2.5	U *-	2.5	1.3	ug/L			09/27/24 18:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 18:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 18:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 18:03	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 18:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 18:03	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 18:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 18:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 18:03	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 18:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 18:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 18:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 18:03	1

Client Sample ID: EB-2-09252024
Lab Sample ID: 480-223755-1

Date Collected: 09/25/24 08:00
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*80 - 120*		*09/27/24 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/27/24 18:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*09/27/24 18:03*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/27/24 18:03*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 13:31	1

Client Sample ID: GW-4S-09252024

Lab Sample ID: 480-223755-2

Date Collected: 09/25/24 09:45

Matrix: Water

Date Received: 09/26/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 18:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 18:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 18:26	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 18:26	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 18:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 18:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:26	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:26	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 18:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 18:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 18:26	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 18:26	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 18:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 18:26	1
Acetone	10	U	10	3.0	ug/L			09/27/24 18:26	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:26	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 18:26	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 18:26	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 18:26	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 18:26	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 18:26	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 18:26	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:26	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:26	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 18:26	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 18:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 18:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 18:26	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 18:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 18:26	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 18:26	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 18:26	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:26	1
Methyl acetate	2.5	U *-	2.5	1.3	ug/L			09/27/24 18:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 18:26	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 18:26	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 18:26	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 18:26	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 18:26	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 18:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 18:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 18:26	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 18:26	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 18:26	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 18:26	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 18:26	1

Client Sample ID: GW-4S-09252024
Lab Sample ID: 480-223755-2

Date Collected: 09/25/24 09:45
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*80 - 120*		*09/27/24 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/27/24 18:26*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/27/24 18:26*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/27/24 18:26*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 13:50	1

Client Sample ID: GW-4D-09252024

Date Collected: 09/25/24 09:50
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 18:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 18:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 18:49	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 18:49	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 18:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 18:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:49	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 18:49	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 18:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 18:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 18:49	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 18:49	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 18:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 18:49	1
Acetone	10	U	10	3.0	ug/L			09/27/24 18:49	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 18:49	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 18:49	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 18:49	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 18:49	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 18:49	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 18:49	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 18:49	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 18:49	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 18:49	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 18:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 18:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 18:49	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 18:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 18:49	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 18:49	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 18:49	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 18:49	1
Methyl acetate	2.5	U *-	2.5	1.3	ug/L			09/27/24 18:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 18:49	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 18:49	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 18:49	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 18:49	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 18:49	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 18:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 18:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 18:49	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 18:49	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 18:49	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 18:49	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 18:49	1

Client Sample ID: GW-4D-09252024
Lab Sample ID: 480-223755-3

Date Collected: 09/25/24 09:50
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*116*		*80 - 120*		*09/27/24 18:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/27/24 18:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/27/24 18:49*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/27/24 18:49*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 14:09	1

Client Sample ID: GW-M-25D-09252024

Date Collected: 09/25/24 10:40
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 19:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 19:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.0**		1.0	0.31	ug/L			09/27/24 19:13	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 19:13	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 19:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 19:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:13	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:13	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 19:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 19:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 19:13	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 19:13	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 19:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 19:13	1
Acetone	10	U	10	3.0	ug/L			09/27/24 19:13	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:13	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 19:13	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 19:13	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 19:13	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 19:13	1
Carbon tetrachloride	**15**		1.0	0.27	ug/L			09/27/24 19:13	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 19:13	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:13	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:13	1
Chloroform	**1.2**		1.0	0.34	ug/L			09/27/24 19:13	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 19:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 19:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 19:13	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 19:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 19:13	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 19:13	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 19:13	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:13	1
Methyl acetate	2.5	U *-	2.5	1.3	ug/L			09/27/24 19:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 19:13	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 19:13	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 19:13	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 19:13	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 19:13	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 19:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 19:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 19:13	1
Trichloroethene	**51**		1.0	0.46	ug/L			09/27/24 19:13	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 19:13	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 19:13	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 19:13	1

Client Sample ID: GW-M-25D-09252024
Lab Sample ID: 480-223755-4

Date Collected: 09/25/24 10:40
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/27/24 19:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/27/24 19:13*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/27/24 19:13*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/27/24 19:13*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 14:28	1

Client Sample ID: GW-M-25S-09252024

Date Collected: 09/25/24 10:55
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 19:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.3**		1.0	0.31	ug/L			09/27/24 19:36	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 19:36	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 19:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 19:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:36	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:36	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 19:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 19:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 19:36	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 19:36	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 19:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 19:36	1
Acetone	10	U	10	3.0	ug/L			09/27/24 19:36	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:36	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 19:36	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 19:36	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 19:36	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 19:36	1
Carbon tetrachloride	**11**		1.0	0.27	ug/L			09/27/24 19:36	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 19:36	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:36	1
Chloroform	**0.60**	**J**	1.0	0.34	ug/L			09/27/24 19:36	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 19:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 19:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 19:36	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 19:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 19:36	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 19:36	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 19:36	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:36	1
Methyl acetate	2.5	U *-	2.5	1.3	ug/L			09/27/24 19:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 19:36	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 19:36	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 19:36	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 19:36	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 19:36	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 19:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 19:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 19:36	1
Trichloroethene	**30**		1.0	0.46	ug/L			09/27/24 19:36	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 19:36	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 19:36	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 19:36	1

Client Sample ID: GW-M-25S-09252024
Lab Sample ID: 480-223755-5

Date Collected: 09/25/24 10:55
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*80 - 120*		*09/27/24 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/27/24 19:36*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*09/27/24 19:36*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/27/24 19:36*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 14:47	1

Client Sample ID: GW-M-26D-09252024

Date Collected: 09/25/24 12:10
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.87**	**J**	1.0	0.82	ug/L			09/27/24 20:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 20:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.4**		1.0	0.31	ug/L			09/27/24 20:00	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 20:00	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 20:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 20:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:00	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:00	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 20:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 20:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 20:00	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 20:00	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 20:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 20:00	1
Acetone	10	U	10	3.0	ug/L			09/27/24 20:00	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:00	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 20:00	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 20:00	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 20:00	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 20:00	1
Carbon tetrachloride	**8.7**		1.0	0.27	ug/L			09/27/24 20:00	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 20:00	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:00	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 20:00	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 20:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 20:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 20:00	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 20:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 20:00	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 20:00	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 20:00	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:00	1
Methyl acetate	2.5	U *-	2.5	1.3	ug/L			09/27/24 20:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 20:00	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 20:00	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 20:00	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 20:00	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 20:00	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 20:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 20:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 20:00	1
Trichloroethene	**29**		1.0	0.46	ug/L			09/27/24 20:00	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 20:00	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 20:00	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 20:00	1

Client Sample ID: GW-M-26D-09252024
Lab Sample ID: 480-223755-6

Date Collected: 09/25/24 12:10
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/27/24 20:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/27/24 20:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/27/24 20:00*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*09/27/24 20:00*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 15:06	1

Client Sample ID: GW-M-28D-09252024

Date Collected: 09/25/24 12:25
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 20:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 20:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.77**	**J**	1.0	0.31	ug/L			09/27/24 20:23	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 20:23	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 20:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 20:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:23	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 20:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 20:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 20:23	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 20:23	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 20:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 20:23	1
Acetone	10	U	10	3.0	ug/L			09/27/24 20:23	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:23	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 20:23	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 20:23	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 20:23	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 20:23	1
Carbon tetrachloride	**2.5**		1.0	0.27	ug/L			09/27/24 20:23	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 20:23	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:23	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 20:23	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 20:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 20:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 20:23	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 20:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 20:23	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 20:23	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 20:23	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:23	1
Methyl acetate	2.5	U *-	2.5	1.3	ug/L			09/27/24 20:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 20:23	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 20:23	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 20:23	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 20:23	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 20:23	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 20:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 20:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 20:23	1
Trichloroethene	**1.5**		1.0	0.46	ug/L			09/27/24 20:23	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 20:23	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 20:23	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 20:23	1

Client Sample ID: GW-M-28D-09252024
Lab Sample ID: 480-223755-7

Date Collected: 09/25/24 12:25
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/27/24 20:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/27/24 20:23*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/27/24 20:23*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*09/27/24 20:23*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 15:24	1

Client Sample ID: GW-M-29S-09252024

Lab Sample ID: 480-223755-8

Date Collected: 09/25/24 12:55

Matrix: Water

Date Received: 09/26/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 19:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 19:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 19:50	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 19:50	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 19:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:50	1
1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39	ug/L			09/27/24 19:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 19:50	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 19:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 19:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 19:50	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 19:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 19:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 19:50	1
Acetone	10	U	10	3.0	ug/L			09/27/24 19:50	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 19:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 19:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 19:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 19:50	1
Carbon tetrachloride	**0.85**	**J**	1.0	0.27	ug/L			09/27/24 19:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 19:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 19:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 19:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 19:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 19:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 19:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 19:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 19:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 19:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 19:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 19:50	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 19:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 19:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 19:50	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 19:50	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 19:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 19:50	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 19:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 19:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 19:50	1
Trichloroethene	**1.6**		1.0	0.46	ug/L			09/27/24 19:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 19:50	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 19:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 19:50	1

Client Sample ID: GW-M-29S-09252024
Lab Sample ID: 480-223755-8

Date Collected: 09/25/24 12:55
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/27/24 19:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/27/24 19:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/27/24 19:50*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/27/24 19:50*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 15:43	1

Client Sample ID: GW-M-28S-09252024

Date Collected: 09/25/24 13:25
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 20:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 20:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.6**		1.0	0.31	ug/L			09/27/24 20:13	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 20:13	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 20:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:13	1
1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39	ug/L			09/27/24 20:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:13	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 20:13	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 20:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 20:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 20:13	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 20:13	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 20:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 20:13	1
Acetone	10	U	10	3.0	ug/L			09/27/24 20:13	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 20:13	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 20:13	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 20:13	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 20:13	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 20:13	1
Carbon tetrachloride	**3.7**		1.0	0.27	ug/L			09/27/24 20:13	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 20:13	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:13	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 20:13	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 20:13	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 20:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 20:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 20:13	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 20:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 20:13	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 20:13	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 20:13	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 20:13	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 20:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 20:13	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 20:13	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 20:13	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 20:13	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 20:13	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 20:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 20:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 20:13	1
Trichloroethene	**10**		1.0	0.46	ug/L			09/27/24 20:13	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 20:13	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 20:13	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 20:13	1

Client Sample ID: GW-M-28S-09252024
Lab Sample ID: 480-223755-9

Date Collected: 09/25/24 13:25
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/27/24 20:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/27/24 20:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/27/24 20:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/27/24 20:13*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 16:02	1

Client Sample ID: SW-D-09252024
Lab Sample ID: 480-223755-10

Date Collected: 09/25/24 14:00
Matrix: Water
Date Received: 09/26/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 13:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 13:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 13:21	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 13:21	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 13:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 13:21	1
1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39	ug/L			09/27/24 13:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 13:21	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 13:21	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 13:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 13:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 13:21	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 13:21	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 13:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 13:21	1
Acetone	10	U	10	3.0	ug/L			09/27/24 13:21	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 13:21	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 13:21	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 13:21	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 13:21	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 13:21	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 13:21	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 13:21	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 13:21	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 13:21	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 13:21	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 13:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 13:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 13:21	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 13:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 13:21	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 13:21	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 13:21	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 13:21	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 13:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 13:21	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 13:21	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 13:21	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 13:21	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 13:21	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 13:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 13:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 13:21	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 13:21	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 13:21	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 13:21	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 13:21	1

Client Sample ID: SW-D-09252024
Lab Sample ID: 480-223755-10

Date Collected: 09/25/24 14:00
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/27/24 13:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/27/24 13:21*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/27/24 13:21*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/27/24 13:21*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 16:21	1

Client Sample ID: TB-3-09252024
Lab Sample ID: 480-223755-11

Date Collected: 09/25/24 00:00
Matrix: Water
Date Received: 09/26/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 13:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 13:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 13:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 13:57	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 13:57	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 13:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 13:57	1
1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39	ug/L			09/27/24 13:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 13:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 13:57	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 13:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 13:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 13:57	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 13:57	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 13:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 13:57	1
Acetone	10	U	10	3.0	ug/L			09/27/24 13:57	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 13:57	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 13:57	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 13:57	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 13:57	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 13:57	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 13:57	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 13:57	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 13:57	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 13:57	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 13:57	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 13:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 13:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 13:57	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 13:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 13:57	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 13:57	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 13:57	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 13:57	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 13:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 13:57	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 13:57	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 13:57	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 13:57	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 13:57	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 13:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 13:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 13:57	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 13:57	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 13:57	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 13:57	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 13:57	1

Client Sample ID: TB-3-09252024
Lab Sample ID: 480-223755-11

Date Collected: 09/25/24 00:00
Matrix: Water
Date Received: 09/26/24 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		09/27/24 13:57	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		09/27/24 13:57	1
4-Bromofluorobenzene (Surr)	98		73 - 120		09/27/24 13:57	1
Dibromofluoromethane (Surr)	100		75 - 123		09/27/24 13:57	1

Client Sample ID: EB-3-09262024

Date Collected: 09/26/24 08:10
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 10:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 10:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 10:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 10:49	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 10:49	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 10:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 10:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 10:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 10:49	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 10:49	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 10:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 10:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 10:49	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 10:49	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 10:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 10:49	1
Acetone	10	U	10	3.0	ug/L			09/28/24 10:49	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 10:49	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 10:49	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 10:49	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 10:49	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 10:49	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 10:49	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 10:49	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 10:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 10:49	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 10:49	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 10:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 10:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 10:49	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 10:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 10:49	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 10:49	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 10:49	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 10:49	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 10:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 10:49	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 10:49	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 10:49	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 10:49	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 10:49	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 10:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 10:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 10:49	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 10:49	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 10:49	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 10:49	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 10:49	1

Client Sample ID: EB-3-09262024
Lab Sample ID: 480-223784-1

Date Collected: 09/26/24 08:10
Matrix: Water
Date Received: 09/27/24 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/28/24 10:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/24 10:49*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*09/28/24 10:49*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 10:49*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 10:04	1

Client Sample ID: GW-10S-09262024

Date Collected: 09/26/24 10:00
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 11:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 11:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 11:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 11:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 11:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 11:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 11:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 11:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 11:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 11:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 11:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 11:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 11:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 11:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 11:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 11:14	1
Acetone	10	U	10	3.0	ug/L			09/28/24 11:14	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 11:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 11:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 11:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 11:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 11:14	1
Carbon tetrachloride	**0.36**	**J**	1.0	0.27	ug/L			09/28/24 11:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 11:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 11:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 11:14	1
Chloroform	**0.52**	**J**	1.0	0.34	ug/L			09/28/24 11:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 11:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 11:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 11:14	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 11:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 11:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 11:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 11:14	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 11:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 11:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 11:14	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 11:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 11:14	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 11:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 11:14	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 11:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 11:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 11:14	1
Trichloroethene	**2.1**		1.0	0.46	ug/L			09/28/24 11:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 11:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 11:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 11:14	1

Client Sample ID: GW-10S-09262024
Lab Sample ID: 480-223784-2

Date Collected: 09/26/24 10:00
Matrix: Water
Date Received: 09/27/24 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 11:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/24 11:14*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*09/28/24 11:14*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 11:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 12:54	1

Client Sample ID: GW-DGC-4S-09262024

Date Collected: 09/26/24 11:30
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 11:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 11:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 11:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 11:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 11:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 11:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 11:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 11:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 11:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 11:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 11:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 11:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 11:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 11:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 11:39	1
Acetone	10	U	10	3.0	ug/L			09/28/24 11:39	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 11:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 11:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 11:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 11:39	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 11:39	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 11:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 11:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 11:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 11:39	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 11:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 11:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 11:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 11:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 11:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 11:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 11:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 11:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 11:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 11:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 11:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 11:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 11:39	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 11:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 11:39	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 11:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 11:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 11:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 11:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 11:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 11:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 11:39	1

Client Sample ID: GW-DGC-4S-09262024
Lab Sample ID: 480-223784-3

Date Collected: 09/26/24 11:30
Matrix: Water
Date Received: 09/27/24 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/24 11:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/28/24 11:39*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/28/24 11:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 11:39*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 10:23	1

Client Sample ID: GW-13S-09262024

Date Collected: 09/26/24 12:55
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 12:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 12:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 12:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 12:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 12:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 12:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 12:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 12:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 12:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 12:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 12:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 12:03	1
Acetone	10	U	10	3.0	ug/L			09/28/24 12:03	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 12:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 12:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 12:03	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 12:03	1
Carbon tetrachloride	**1.1**		1.0	0.27	ug/L			09/28/24 12:03	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 12:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 12:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 12:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 12:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 12:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 12:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 12:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 12:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 12:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:03	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 12:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 12:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 12:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 12:03	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 12:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 12:03	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 12:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 12:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 12:03	1
Trichloroethene	**0.66**	**J**	1.0	0.46	ug/L			09/28/24 12:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 12:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 12:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 12:03	1

Client Sample ID: GW-13S-09262024
Lab Sample ID: 480-223784-4

Date Collected: 09/26/24 12:55
Matrix: Water
Date Received: 09/27/24 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/28/24 12:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/28/24 12:03*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*09/28/24 12:03*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/28/24 12:03*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 10:42	1

Client Sample ID: GW-M-24DR-09262024

Date Collected: 09/26/24 13:55
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 12:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 12:28	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 12:28	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 12:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 12:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:28	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:28	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 12:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 12:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 12:28	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 12:28	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 12:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 12:28	1
Acetone	10	U	10	3.0	ug/L			09/28/24 12:28	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:28	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 12:28	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 12:28	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 12:28	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 12:28	1
Carbon tetrachloride	**2.8**		1.0	0.27	ug/L			09/28/24 12:28	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 12:28	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:28	1
Chloroform	**0.83**	**J**	1.0	0.34	ug/L			09/28/24 12:28	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 12:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 12:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 12:28	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 12:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 12:28	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 12:28	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 12:28	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:28	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 12:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 12:28	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 12:28	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 12:28	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 12:28	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 12:28	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 12:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 12:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 12:28	1
Trichloroethene	**4.6**		1.0	0.46	ug/L			09/28/24 12:28	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 12:28	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 12:28	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 12:28	1

Client Sample ID: GW-M-24DR-09262024
Lab Sample ID: 480-223784-5

Date Collected: 09/26/24 13:55
Matrix: Water
Date Received: 09/27/24 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/24 12:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/24 12:28*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/28/24 12:28*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/28/24 12:28*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 11:01	1

Client Sample ID: TB-4-09262024
Lab Sample ID: 480-223784-6

Date Collected: 09/26/24 00:00
Matrix: Water
Date Received: 09/27/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 12:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 12:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 12:52	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 12:52	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 12:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 12:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:52	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 12:52	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 12:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 12:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 12:52	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 12:52	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 12:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 12:52	1
Acetone	10	U	10	3.0	ug/L			09/28/24 12:52	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 12:52	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 12:52	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 12:52	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 12:52	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 12:52	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 12:52	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 12:52	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:52	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 12:52	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 12:52	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 12:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 12:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 12:52	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 12:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 12:52	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 12:52	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 12:52	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 12:52	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 12:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 12:52	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 12:52	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 12:52	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 12:52	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 12:52	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 12:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 12:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 12:52	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 12:52	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 12:52	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 12:52	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 12:52	1

Client Sample ID: TB-4-09262024
Lab Sample ID: 480-223784-6

Date Collected: 09/26/24 00:00
Matrix: Water
Date Received: 09/27/24 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		09/28/24 12:52	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		09/28/24 12:52	1
4-Bromofluorobenzene (Surr)	111		73 - 120		09/28/24 12:52	1
Dibromofluoromethane (Surr)	101		75 - 123		09/28/24 12:52	1

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-223647-1	GW-13D-09232024	97	98	98	100
480-223647-2	GW-M-27D-09232024	98	100	99	101
480-223647-3	SW-B-09232024	105	106	94	101
480-223647-3 MS	SW-B-09232024-MS	103	101	96	99
480-223647-3 MSD	SW-B-09232024-MSD	110	105	99	97
480-223647-4	FD-1-09232024	99	99	98	101
480-223647-5	TB-1-09232024	99	101	97	101
480-223647-6	SW-A-09232024	97	101	99	101
480-223692-1	GW-M-26S-09242024	97	101	99	102
480-223692-2	GW-M-26D-09242024	97	102	99	102
480-223692-3	GW-M-11D-09242024	94	103	97	102
480-223692-4	GW-MW-1-09242024	97	102	99	103
480-223692-5	GW-MW-4-09242024	102	100	91	104
480-223692-6	FD-2-09242024	102	105	92	103
480-223692-7	SW-G-09242024	100	101	94	99
480-223692-8	SW-F-09242024	101	98	94	99
480-223692-9	SW-E-09242024	100	102	95	102
480-223692-10	EB-1-09242024	101	100	92	101
480-223692-11	TB-2-09242024	102	104	96	102
480-223755-1	EB-2-09252024	114	106	100	102
480-223755-2	GW-4S-09252024	111	106	94	98
480-223755-3	GW-4D-09252024	116	110	99	107
480-223755-4	GW-M-25D-09252024	102	101	96	98
480-223755-5	GW-M-25S-09252024	113	109	104	104
480-223755-6	GW-M-26D-09252024	110	103	99	96
480-223755-7	GW-M-28D-09252024	103	102	94	95
480-223755-8	GW-M-29S-09252024	97	103	97	103
480-223755-9	GW-M-28S-09252024	97	103	97	100
480-223755-10	SW-D-09252024	98	100	96	100
480-223755-11	TB-3-09252024	97	99	98	100
480-223784-1	EB-3-09262024	106	98	111	103
480-223784-2	GW-10S-09262024	102	98	107	103
480-223784-2 MS	GW-10S-09262024-MS	104	102	106	102
480-223784-2 MSD	GW-10S-09262024-MSD	105	99	109	103
480-223784-3	GW-DGC-4S-09262024	102	97	105	103
480-223784-4	GW-13S-09262024	105	97	103	102
480-223784-5	GW-M-24DR-09262024	101	98	105	102
480-223784-6	TB-4-09262024	105	96	111	101
LCS 480-725960/27	Lab Control Sample	99	97	95	99
LCS 480-725969/6	Lab Control Sample	102	102	97	100
LCS 480-726185/6	Lab Control Sample	100	98	96	97
LCS 480-726373/6	Lab Control Sample	105	103	94	101
LCS 480-726382/6	Lab Control Sample	100	98	97	98
LCS 480-726431/6	Lab Control Sample	103	93	97	96
LCS 480-726463/6	Lab Control Sample	107	101	112	98
LCSD 480-726382/29	Lab Control Sample Dup	98	96	92	97
MB 480-725960/8	Method Blank	101	98	98	99
MB 480-725969/9	Method Blank	100	104	94	101
MB 480-726185/8	Method Blank	99	102	100	101

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-223647-1
Project/Site: Malta Rocket Fuel (MRFA)
SDG: 480-223647-1

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
MB 480-726373/8	Method Blank	103	101	92	101
MB 480-726382/8	Method Blank	97	100	95	99
MB 480-726431/8	Method Blank	101	101	94	101
MB 480-726463/8	Method Blank	108	100	113	103

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-725960/8
Matrix: Water
Analysis Batch: 725960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 12:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 12:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 12:57	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 12:57	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 12:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 12:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 12:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 12:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 12:57	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 12:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 12:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 12:57	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 12:57	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 12:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 12:57	1
Acetone	10	U	10	3.0	ug/L			09/24/24 12:57	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 12:57	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 12:57	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 12:57	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 12:57	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 12:57	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 12:57	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 12:57	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 12:57	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 12:57	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 12:57	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 12:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 12:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 12:57	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 12:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 12:57	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 12:57	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 12:57	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 12:57	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 12:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 12:57	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 12:57	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 12:57	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 12:57	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 12:57	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 12:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 12:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 12:57	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 12:57	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 12:57	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 12:57	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 12:57	1

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

Lab Sample ID: MB 480-725960/8
Matrix: Water
Analysis Batch: 725960

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/24/24 12:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/24/24 12:57*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/24/24 12:57*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/24/24 12:57*	*1*

Lab Sample ID: LCS 480-725960/27
Matrix: Water
Analysis Batch: 725960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.0		ug/L		108	76 - 120
1,1,2-Trichloroethane	25.0	26.6		ug/L		106	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.8		ug/L		111	61 - 148
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	27.6		ug/L		110	66 - 127
1,2,4-Trichlorobenzene	25.0	27.4		ug/L		109	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.5		ug/L		110	56 - 134
1,2-Dichlorobenzene	25.0	26.1		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	136		ug/L		109	65 - 127
4-Methyl-2-pentanone (MIBK)	125	138		ug/L		110	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	25.8		ug/L		103	71 - 124
Bromodichloromethane	25.0	26.6		ug/L		106	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	25.5		ug/L		102	55 - 144
Carbon disulfide	25.0	26.7		ug/L		107	59 - 134
Carbon tetrachloride	25.0	26.3		ug/L		105	72 - 134
Chlorobenzene	25.0	25.1		ug/L		101	80 - 120
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Chloroethane	25.0	25.5		ug/L		102	69 - 136
Chloroform	25.0	24.6		ug/L		99	73 - 127
Chloromethane	25.0	23.9		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	74 - 124
cis-1,3-Dichloropropene	25.0	28.2		ug/L		113	74 - 124
Cyclohexane	25.0	27.1		ug/L		108	59 - 135
Dichlorodifluoromethane	25.0	24.2		ug/L		97	59 - 135
Ethylbenzene	25.0	25.6		ug/L		102	77 - 123
1,2-Dibromoethane	25.0	27.1		ug/L		108	77 - 120
Isopropylbenzene	25.0	27.5		ug/L		110	77 - 122
Methyl acetate	50.0	54.0		ug/L		108	74 - 133
Methyl tert-butyl ether	25.0	26.8		ug/L		107	77 - 120
Methylcyclohexane	25.0	27.6		ug/L		110	68 - 134

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

Lab Sample ID: LCS 480-725960/27
Matrix: Water
Analysis Batch: 725960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			25.0	26.8		ug/L		107	75 - 124		
Styrene			25.0	26.2		ug/L		105	80 - 120		
Tetrachloroethene			25.0	25.2		ug/L		101	74 - 122		
Toluene			25.0	25.2		ug/L		101	80 - 122		
trans-1,2-Dichloroethene			25.0	26.5		ug/L		106	73 - 127		
trans-1,3-Dichloropropene			25.0	28.9		ug/L		116	80 - 120		
Trichloroethene			25.0	25.3		ug/L		101	74 - 123		
Trichlorofluoromethane			25.0	25.8		ug/L		103	62 - 150		
Vinyl chloride			25.0	25.4		ug/L		102	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: MB 480-725969/9
Matrix: Water
Analysis Batch: 725969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/24/24 13:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 13:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/24/24 13:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/24/24 13:05	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/24/24 13:05	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/24/24 13:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/24/24 13:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/24/24 13:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/24/24 13:05	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/24/24 13:05	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/24/24 13:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/24/24 13:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/24/24 13:05	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/24/24 13:05	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/24/24 13:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/24/24 13:05	1
Acetone	10	U	10	3.0	ug/L			09/24/24 13:05	1
Benzene	1.0	U	1.0	0.41	ug/L			09/24/24 13:05	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/24/24 13:05	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/24/24 13:05	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/24/24 13:05	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/24/24 13:05	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/24/24 13:05	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/24/24 13:05	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/24/24 13:05	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/24/24 13:05	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/24/24 13:05	1

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

Lab Sample ID: MB 480-725969/9
Matrix: Water
Analysis Batch: 725969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.35	ug/L			09/24/24 13:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/24/24 13:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/24/24 13:05	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/24/24 13:05	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/24/24 13:05	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/24/24 13:05	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/24/24 13:05	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/24/24 13:05	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/24/24 13:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/24/24 13:05	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/24/24 13:05	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/24/24 13:05	1
Styrene	1.0	U	1.0	0.73	ug/L			09/24/24 13:05	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/24/24 13:05	1
Toluene	1.0	U	1.0	0.51	ug/L			09/24/24 13:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/24/24 13:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/24/24 13:05	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/24/24 13:05	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/24/24 13:05	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/24/24 13:05	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/24/24 13:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/24/24 13:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*09/24/24 13:05*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/24/24 13:05*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/24 13:05*	*1*

Lab Sample ID: LCS 480-725969/6
Matrix: Water
Analysis Batch: 725969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	21.7		ug/L		87	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.9		ug/L		116	61 - 148
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	25.0	24.1		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.9		ug/L		83	56 - 134
1,2-Dichlorobenzene	25.0	23.6		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	22.4		ug/L		89	75 - 120
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	125	98.5		ug/L		79	57 - 140
2-Hexanone	125	106		ug/L		85	65 - 127

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

Lab Sample ID: LCS 480-725969/6
Matrix: Water
Analysis Batch: 725969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		88	71 - 125
Acetone	125	102		ug/L		82	56 - 142
Benzene	25.0	24.1		ug/L		96	71 - 124
Bromodichloromethane	25.0	22.9		ug/L		92	80 - 122
Bromoform	25.0	21.8		ug/L		87	61 - 132
Bromomethane	25.0	22.3		ug/L		89	55 - 144
Carbon disulfide	25.0	26.2		ug/L		105	59 - 134
Carbon tetrachloride	25.0	23.8		ug/L		95	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120
Dibromochloromethane	25.0	21.2		ug/L		85	75 - 125
Chloroethane	25.0	23.1		ug/L		92	69 - 136
Chloroform	25.0	22.9		ug/L		91	73 - 127
Chloromethane	25.0	22.4		ug/L		89	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		94	74 - 124
Cyclohexane	25.0	29.2		ug/L		117	59 - 135
Dichlorodifluoromethane	25.0	22.8		ug/L		91	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	21.1		ug/L		84	77 - 120
Isopropylbenzene	25.0	26.9		ug/L		107	77 - 122
Methyl acetate	50.0	37.8		ug/L		76	74 - 133
Methyl tert-butyl ether	25.0	21.8		ug/L		87	77 - 120
Methylcyclohexane	25.0	29.5		ug/L		118	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	22.6		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	21.4		ug/L		86	80 - 120
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	26.8		ug/L		107	62 - 150
Vinyl chloride	25.0	24.6		ug/L		98	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-223647-3 MS
Matrix: Water
Analysis Batch: 725969

Client Sample ID: SW-B-09232024-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	25.0	30.0		ug/L		120	73 - 126
1,1,2,2-Tetrachloroethane	1.0	U	25.0	24.3		ug/L		97	76 - 120
1,1,2-Trichloroethane	1.0	U	25.0	23.3		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	31.1		ug/L		124	61 - 148

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

Lab Sample ID: 480-223647-3 MS
Matrix: Water
Analysis Batch: 725969

Client Sample ID: SW-B-09232024-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	1.0	U	25.0	28.1		ug/L		112	77 - 120
1,1-Dichloroethene	1.0	U	25.0	29.9		ug/L		120	66 - 127
1,2,4-Trichlorobenzene	1.0	U	25.0	27.8		ug/L		111	79 - 122
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	21.9		ug/L		88	56 - 134
1,2-Dichlorobenzene	1.0	U	25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	1.0	U	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	1.0	U	25.0	26.8		ug/L		107	76 - 120
1,3-Dichlorobenzene	1.0	U	25.0	26.6		ug/L		106	77 - 120
1,4-Dichlorobenzene	1.0	U	25.0	25.9		ug/L		104	78 - 124
2-Butanone (MEK)	10	U	125	119		ug/L		95	57 - 140
2-Hexanone	5.0	U	125	115		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	125	118		ug/L		95	71 - 125
Acetone	10	U	125	120		ug/L		96	56 - 142
Benzene	1.0	U	25.0	27.0		ug/L		108	71 - 124
Bromodichloromethane	1.0	U	25.0	24.9		ug/L		100	80 - 122
Bromoform	1.0	U	25.0	20.4		ug/L		82	61 - 132
Bromomethane	1.0	U	25.0	22.1		ug/L		88	55 - 144
Carbon disulfide	1.0	U	25.0	27.4		ug/L		109	59 - 134
Carbon tetrachloride	1.0	U	25.0	28.4		ug/L		114	72 - 134
Chlorobenzene	1.0	U	25.0	25.8		ug/L		103	80 - 120
Dibromochloromethane	1.0	U	25.0	22.9		ug/L		91	75 - 125
Chloroethane	1.0	U	25.0	26.7		ug/L		107	69 - 136
Chloroform	1.0	U	25.0	25.7		ug/L		103	73 - 127
Chloromethane	1.0	U	25.0	25.3		ug/L		101	68 - 124
cis-1,2-Dichloroethene	1.0	U	25.0	26.8		ug/L		107	74 - 124
cis-1,3-Dichloropropene	1.0	U	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	1.0	U F1	25.0	34.1	F1	ug/L		136	59 - 135
Dichlorodifluoromethane	1.0	U	25.0	22.3		ug/L		89	59 - 135
Ethylbenzene	1.0	U	25.0	27.4		ug/L		110	77 - 123
1,2-Dibromoethane	1.0	U	25.0	23.0		ug/L		92	77 - 120
Isopropylbenzene	1.0	U F1	25.0	29.5		ug/L		118	77 - 122
Methyl acetate	2.5	U	50.0	44.2		ug/L		88	74 - 133
Methyl tert-butyl ether	1.0	U	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	1.0	U F1	25.0	33.8	F1	ug/L		135	68 - 134
Methylene Chloride	1.0	U	25.0	28.1		ug/L		112	75 - 124
Styrene	1.0	U	25.0	26.1		ug/L		104	80 - 120
Tetrachloroethene	1.0	U	25.0	28.2		ug/L		113	74 - 122
Toluene	1.0	U	25.0	26.0		ug/L		104	80 - 122
trans-1,2-Dichloroethene	1.0	U	25.0	29.3		ug/L		117	73 - 127
trans-1,3-Dichloropropene	1.0	U	25.0	23.7		ug/L		95	80 - 120
Trichloroethene	1.0	U	25.0	28.0		ug/L		112	74 - 123
Trichlorofluoromethane	1.0	U	25.0	29.0		ug/L		116	62 - 150
Vinyl chloride	1.0	U	25.0	27.9		ug/L		112	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*

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

Lab Sample ID: 480-223647-3 MS
Matrix: Water
Analysis Batch: 725969

Client Sample ID: SW-B-09232024-MS
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: 480-223647-3 MSD
Matrix: Water
Analysis Batch: 725969

Client Sample ID: SW-B-09232024-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	25.0	29.9		ug/L		119	73 - 126	0	15
1,1,2,2-Tetrachloroethane	1.0	U	25.0	25.5		ug/L		102	76 - 120	5	15
1,1,2-Trichloroethane	1.0	U	25.0	25.2		ug/L		101	76 - 122	8	15
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	29.9		ug/L		119	61 - 148	4	20
1,1-Dichloroethane	1.0	U	25.0	27.8		ug/L		111	77 - 120	1	20
1,1-Dichloroethene	1.0	U	25.0	29.5		ug/L		118	66 - 127	2	16
1,2,4-Trichlorobenzene	1.0	U	25.0	29.0		ug/L		116	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	24.1		ug/L		96	56 - 134	9	15
1,2-Dichlorobenzene	1.0	U	25.0	26.6		ug/L		106	80 - 124	4	20
1,2-Dichloroethane	1.0	U	25.0	25.5		ug/L		102	75 - 120	2	20
1,2-Dichloropropane	1.0	U	25.0	28.0		ug/L		112	76 - 120	5	20
1,3-Dichlorobenzene	1.0	U	25.0	28.2		ug/L		113	77 - 120	6	20
1,4-Dichlorobenzene	1.0	U	25.0	27.3		ug/L		109	78 - 124	5	20
2-Butanone (MEK)	10	U	125	124		ug/L		99	57 - 140	4	20
2-Hexanone	5.0	U	125	126		ug/L		101	65 - 127	9	15
4-Methyl-2-pentanone (MIBK)	5.0	U	125	127		ug/L		101	71 - 125	7	35
Acetone	10	U	125	114		ug/L		91	56 - 142	5	15
Benzene	1.0	U	25.0	27.7		ug/L		111	71 - 124	3	13
Bromodichloromethane	1.0	U	25.0	25.4		ug/L		102	80 - 122	2	15
Bromoform	1.0	U	25.0	22.7		ug/L		91	61 - 132	10	15
Bromomethane	1.0	U	25.0	22.8		ug/L		91	55 - 144	3	15
Carbon disulfide	1.0	U	25.0	27.7		ug/L		111	59 - 134	1	15
Carbon tetrachloride	1.0	U	25.0	28.0		ug/L		112	72 - 134	2	15
Chlorobenzene	1.0	U	25.0	27.2		ug/L		109	80 - 120	5	25
Dibromochloromethane	1.0	U	25.0	24.7		ug/L		99	75 - 125	8	15
Chloroethane	1.0	U	25.0	25.3		ug/L		101	69 - 136	5	15
Chloroform	1.0	U	25.0	25.6		ug/L		103	73 - 127	0	20
Chloromethane	1.0	U	25.0	24.0		ug/L		96	68 - 124	5	15
cis-1,2-Dichloroethene	1.0	U	25.0	27.2		ug/L		109	74 - 124	1	15
cis-1,3-Dichloropropene	1.0	U	25.0	26.1		ug/L		104	74 - 124	3	15
Cyclohexane	1.0	U F1	25.0	34.3	F1	ug/L		137	59 - 135	1	20
Dichlorodifluoromethane	1.0	U	25.0	21.6		ug/L		86	59 - 135	3	20
Ethylbenzene	1.0	U	25.0	29.1		ug/L		116	77 - 123	6	15
1,2-Dibromoethane	1.0	U	25.0	24.6		ug/L		99	77 - 120	7	15
Isopropylbenzene	1.0	U F1	25.0	31.0	F1	ug/L		124	77 - 122	5	20
Methyl acetate	2.5	U	50.0	45.9		ug/L		92	74 - 133	4	20
Methyl tert-butyl ether	1.0	U	25.0	24.6		ug/L		99	77 - 120	0	37
Methylcyclohexane	1.0	U F1	25.0	34.1	F1	ug/L		136	68 - 134	1	20
Methylene Chloride	1.0	U	25.0	28.5		ug/L		114	75 - 124	1	15
Styrene	1.0	U	25.0	27.3		ug/L		109	80 - 120	5	20
Tetrachloroethene	1.0	U	25.0	29.9		ug/L		120	74 - 122	6	20

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

Lab Sample ID: 480-223647-3 MSD
Matrix: Water
Analysis Batch: 725969

Client Sample ID: SW-B-09232024-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	1.0	U	25.0	28.0		ug/L		112	80 - 122	8	15
trans-1,2-Dichloroethene	1.0	U	25.0	28.8		ug/L		115	73 - 127	2	20
trans-1,3-Dichloropropene	1.0	U	25.0	25.3		ug/L		101	80 - 120	7	15
Trichloroethene	1.0	U	25.0	28.3		ug/L		113	74 - 123	1	16
Trichlorofluoromethane	1.0	U	25.0	28.0		ug/L		112	62 - 150	4	20
Vinyl chloride	1.0	U	25.0	26.3		ug/L		105	65 - 133	6	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*110*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: MB 480-726185/8
Matrix: Water
Analysis Batch: 726185

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/26/24 00:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 00:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/26/24 00:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/26/24 00:29	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/26/24 00:29	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/24 00:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/26/24 00:29	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/26/24 00:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/26/24 00:29	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/26/24 00:29	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/26/24 00:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/26/24 00:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/26/24 00:29	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/26/24 00:29	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/26/24 00:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/26/24 00:29	1
Acetone	10	U	10	3.0	ug/L			09/26/24 00:29	1
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 00:29	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/26/24 00:29	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/26/24 00:29	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/26/24 00:29	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/26/24 00:29	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/26/24 00:29	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/26/24 00:29	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/26/24 00:29	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/26/24 00:29	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/26/24 00:29	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/26/24 00:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/26/24 00:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/26/24 00:29	1

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

Lab Sample ID: MB 480-726185/8
Matrix: Water
Analysis Batch: 726185

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/26/24 00:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/26/24 00:29	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 00:29	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/26/24 00:29	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/26/24 00:29	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/26/24 00:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/26/24 00:29	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/26/24 00:29	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/26/24 00:29	1
Styrene	1.0	U	1.0	0.73	ug/L			09/26/24 00:29	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/26/24 00:29	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 00:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/26/24 00:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/26/24 00:29	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/26/24 00:29	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/26/24 00:29	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/26/24 00:29	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 00:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/26/24 00:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/26/24 00:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*09/26/24 00:29*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/26/24 00:29*	*1*

Lab Sample ID: LCS 480-726185/6
Matrix: Water
Analysis Batch: 726185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.9		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	76 - 120
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.9		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	25.6		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.3		ug/L		109	56 - 134
1,2-Dichlorobenzene	25.0	25.1		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	24.6		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 120
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
2-Hexanone	125	134		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	135		ug/L		108	71 - 125
Acetone	125	122		ug/L		98	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124

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

Lab Sample ID: LCS 480-726185/6
Matrix: Water
Analysis Batch: 726185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Bromoform	25.0	25.5		ug/L		102	61 - 132
Bromomethane	25.0	24.2		ug/L		97	55 - 144
Carbon disulfide	25.0	25.0		ug/L		100	59 - 134
Carbon tetrachloride	25.0	25.3		ug/L		101	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Chloroethane	25.0	24.6		ug/L		99	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	23.7		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	26.1		ug/L		104	59 - 135
Dichlorodifluoromethane	25.0	23.4		ug/L		94	59 - 135
Ethylbenzene	25.0	25.3		ug/L		101	77 - 123
1,2-Dibromoethane	25.0	26.0		ug/L		104	77 - 120
Isopropylbenzene	25.0	26.7		ug/L		107	77 - 122
Methyl acetate	50.0	51.3		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		99	77 - 120
Methylcyclohexane	25.0	25.9		ug/L		104	68 - 134
Methylene Chloride	25.0	25.1		ug/L		100	75 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	25.1		ug/L		100	62 - 150
Vinyl chloride	25.0	25.3		ug/L		101	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: MB 480-726373/8
Matrix: Water
Analysis Batch: 726373

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 12:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 12:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 12:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 12:49	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 12:49	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 12:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 12:49	1

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

Lab Sample ID: MB 480-726373/8
Matrix: Water
Analysis Batch: 726373

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 12:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 12:49	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 12:49	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 12:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 12:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 12:49	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 12:49	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 12:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 12:49	1
Acetone	10	U	10	3.0	ug/L			09/27/24 12:49	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 12:49	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 12:49	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 12:49	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 12:49	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 12:49	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 12:49	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 12:49	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 12:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 12:49	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 12:49	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 12:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 12:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 12:49	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 12:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 12:49	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 12:49	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 12:49	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 12:49	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 12:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 12:49	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 12:49	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 12:49	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 12:49	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 12:49	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 12:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 12:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 12:49	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 12:49	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 12:49	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 12:49	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/27/24 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/27/24 12:49*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/27/24 12:49*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/27/24 12:49*	*1*

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

Lab Sample ID: LCS 480-726373/6
Matrix: Water
Analysis Batch: 726373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.6		ug/L		86	76 - 120
1,1,2-Trichloroethane	25.0	20.9		ug/L		83	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.9		ug/L		115	61 - 148
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.4		ug/L		81	56 - 134
1,2-Dichlorobenzene	25.0	22.4		ug/L		89	80 - 124
1,2-Dichloroethane	25.0	22.2		ug/L		89	75 - 120
1,2-Dichloropropane	25.0	23.3		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	23.7		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	22.3		ug/L		89	80 - 120
2-Butanone (MEK)	125	82.5		ug/L		66	57 - 140
2-Hexanone	125	95.3		ug/L		76	65 - 127
4-Methyl-2-pentanone (MIBK)	125	100		ug/L		80	71 - 125
Acetone	125	90.4		ug/L		72	56 - 142
Benzene	25.0	23.5		ug/L		94	71 - 124
Bromodichloromethane	25.0	22.4		ug/L		90	80 - 122
Bromoform	25.0	20.5		ug/L		82	61 - 132
Bromomethane	25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	25.0	26.0		ug/L		104	59 - 134
Carbon tetrachloride	25.0	24.8		ug/L		99	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Dibromochloromethane	25.0	21.7		ug/L		87	75 - 125
Chloroethane	25.0	26.2		ug/L		105	69 - 136
Chloroform	25.0	22.6		ug/L		90	73 - 127
Chloromethane	25.0	26.5		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	22.9		ug/L		92	74 - 124
Cyclohexane	25.0	28.7		ug/L		115	59 - 135
Dichlorodifluoromethane	25.0	31.1		ug/L		124	59 - 135
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	20.6		ug/L		82	77 - 120
Isopropylbenzene	25.0	25.8		ug/L		103	77 - 122
Methyl acetate	50.0	36.7	*-	ug/L		73	74 - 133
Methyl tert-butyl ether	25.0	21.7		ug/L		87	77 - 120
Methylcyclohexane	25.0	29.6		ug/L		118	68 - 134
Methylene Chloride	25.0	24.9		ug/L		99	75 - 124
Styrene	25.0	22.4		ug/L		89	80 - 120
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	21.2		ug/L		85	80 - 120
Trichloroethene	25.0	24.3		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	28.7		ug/L		115	62 - 150
Vinyl chloride	25.0	27.5		ug/L		110	65 - 133

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

Lab Sample ID: LCS 480-726373/6
Matrix: Water
Analysis Batch: 726373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: MB 480-726382/8
Matrix: Water
Analysis Batch: 726382

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/27/24 12:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 12:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/27/24 12:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/27/24 12:30	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/27/24 12:30	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/24 12:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/27/24 12:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/27/24 12:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/27/24 12:30	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/27/24 12:30	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/27/24 12:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/27/24 12:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/27/24 12:30	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/27/24 12:30	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/27/24 12:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/27/24 12:30	1
Acetone	10	U	10	3.0	ug/L			09/27/24 12:30	1
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 12:30	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/27/24 12:30	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/27/24 12:30	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/27/24 12:30	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/27/24 12:30	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/27/24 12:30	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/27/24 12:30	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/27/24 12:30	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/27/24 12:30	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/27/24 12:30	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/27/24 12:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/27/24 12:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/27/24 12:30	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/27/24 12:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/27/24 12:30	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 12:30	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/27/24 12:30	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/27/24 12:30	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/27/24 12:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/27/24 12:30	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/27/24 12:30	1

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

Lab Sample ID: MB 480-726382/8
Matrix: Water
Analysis Batch: 726382

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/27/24 12:30	1
Styrene	1.0	U	1.0	0.73	ug/L			09/27/24 12:30	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/27/24 12:30	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 12:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/27/24 12:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/27/24 12:30	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/27/24 12:30	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/27/24 12:30	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/27/24 12:30	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/27/24 12:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/27/24 12:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/27/24 12:30*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/27/24 12:30*	*1*

Lab Sample ID: LCS 480-726382/6
Matrix: Water
Analysis Batch: 726382

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.6		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.3		ug/L		97	61 - 148
1,1-Dichloroethane	25.0	23.9		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	24.1		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		96	56 - 134
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	23.5		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.0		ug/L		92	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
2-Hexanone	125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Benzene	25.0	23.4		ug/L		94	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	24.7		ug/L		99	61 - 132
Bromomethane	25.0	20.9		ug/L		84	55 - 144
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	25.0	23.4		ug/L		94	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Dibromochloromethane	25.0	24.9		ug/L		100	75 - 125
Chloroethane	25.0	22.4		ug/L		90	69 - 136

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

Lab Sample ID: LCS 480-726382/6
Matrix: Water
Analysis Batch: 726382

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloroform			25.0	22.5		ug/L		90	73 - 127		
Chloromethane			25.0	21.0		ug/L		84	68 - 124		
cis-1,2-Dichloroethene			25.0	23.8		ug/L		95	74 - 124		
cis-1,3-Dichloropropene			25.0	26.6		ug/L		106	74 - 124		
Cyclohexane			25.0	24.7		ug/L		99	59 - 135		
Dichlorodifluoromethane			25.0	18.3		ug/L		73	59 - 135		
Ethylbenzene			25.0	23.6		ug/L		94	77 - 123		
1,2-Dibromoethane			25.0	24.7		ug/L		99	77 - 120		
Isopropylbenzene			25.0	24.8		ug/L		99	77 - 122		
Methyl acetate			50.0	48.2		ug/L		96	74 - 133		
Methyl tert-butyl ether			25.0	24.2		ug/L		97	77 - 120		
Methylcyclohexane			25.0	24.5		ug/L		98	68 - 134		
Methylene Chloride			25.0	24.3		ug/L		97	75 - 124		
Styrene			25.0	24.5		ug/L		98	80 - 120		
Tetrachloroethene			25.0	23.4		ug/L		94	74 - 122		
Toluene			25.0	23.4		ug/L		94	80 - 122		
trans-1,2-Dichloroethene			25.0	24.3		ug/L		97	73 - 127		
trans-1,3-Dichloropropene			25.0	26.7		ug/L		107	80 - 120		
Trichloroethene			25.0	23.4		ug/L		93	74 - 123		
Trichlorofluoromethane			25.0	23.4		ug/L		94	62 - 150		
Vinyl chloride			25.0	22.4		ug/L		90	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: LCSD 480-726382/29
Matrix: Water
Analysis Batch: 726382

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			25.0	23.0		ug/L		92	73 - 126	3	15
1,1,2,2-Tetrachloroethane			25.0	26.6		ug/L		107	76 - 120	11	15
1,1,2-Trichloroethane			25.0	25.4		ug/L		102	76 - 122	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	22.3		ug/L		89	61 - 148	8	20
1,1-Dichloroethane			25.0	23.6		ug/L		94	77 - 120	1	20
1,1-Dichloroethene			25.0	22.7		ug/L		91	66 - 127	7	16
1,2,4-Trichlorobenzene			25.0	26.7		ug/L		107	79 - 122	10	20
1,2-Dibromo-3-Chloropropane			25.0	28.2	*1	ug/L		113	56 - 134	16	15
1,2-Dichlorobenzene			25.0	25.8		ug/L		103	80 - 124	7	20
1,2-Dichloroethane			25.0	24.3		ug/L		97	75 - 120	5	20
1,2-Dichloropropane			25.0	25.0		ug/L		100	76 - 120	1	20
1,3-Dichlorobenzene			25.0	24.5		ug/L		98	77 - 120	4	20
1,4-Dichlorobenzene			25.0	23.9		ug/L		96	80 - 120	4	20
2-Butanone (MEK)			125	135		ug/L		108	57 - 140	10	20
2-Hexanone			125	139		ug/L		111	65 - 127	12	15

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

Lab Sample ID: LCSD 480-726382/29
Matrix: Water
Analysis Batch: 726382

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)			125	140		ug/L		112	71 - 125	11	35
Acetone			125	127		ug/L		102	56 - 142	7	15
Benzene			25.0	23.5		ug/L		94	71 - 124	0	13
Bromodichloromethane			25.0	24.9		ug/L		99	80 - 122	1	15
Bromoform			25.0	25.8		ug/L		103	61 - 132	5	15
Bromomethane			25.0	18.6		ug/L		75	55 - 144	12	15
Carbon disulfide			25.0	22.4		ug/L		90	59 - 134	6	15
Carbon tetrachloride			25.0	23.0		ug/L		92	72 - 134	2	15
Chlorobenzene			25.0	23.9		ug/L		96	80 - 120	3	25
Dibromochloromethane			25.0	26.6		ug/L		106	75 - 125	7	15
Chloroethane			25.0	20.4		ug/L		82	69 - 136	9	15
Chloroform			25.0	22.9		ug/L		91	73 - 127	1	20
Chloromethane			25.0	18.9		ug/L		76	68 - 124	11	15
cis-1,2-Dichloroethene			25.0	23.9		ug/L		96	74 - 124	0	15
cis-1,3-Dichloropropene			25.0	25.5		ug/L		102	74 - 124	4	15
Cyclohexane			25.0	23.0		ug/L		92	59 - 135	7	20
Dichlorodifluoromethane			25.0	15.2		ug/L		61	59 - 135	19	20
Ethylbenzene			25.0	23.7		ug/L		95	77 - 123	0	15
1,2-Dibromoethane			25.0	26.5		ug/L		106	77 - 120	7	15
Isopropylbenzene			25.0	25.1		ug/L		100	77 - 122	1	20
Methyl acetate			50.0	52.9		ug/L		106	74 - 133	9	20
Methyl tert-butyl ether			25.0	24.8		ug/L		99	77 - 120	2	37
Methylcyclohexane			25.0	22.4		ug/L		90	68 - 134	9	20
Methylene Chloride			25.0	24.7		ug/L		99	75 - 124	2	15
Styrene			25.0	25.1		ug/L		100	80 - 120	2	20
Tetrachloroethene			25.0	22.2		ug/L		89	74 - 122	5	20
Toluene			25.0	23.1		ug/L		93	80 - 122	1	15
trans-1,2-Dichloroethene			25.0	23.2		ug/L		93	73 - 127	4	20
trans-1,3-Dichloropropene			25.0	26.1		ug/L		105	80 - 120	2	15
Trichloroethene			25.0	22.9		ug/L		92	74 - 123	2	16
Trichlorofluoromethane			25.0	20.2		ug/L		81	62 - 150	15	20
Vinyl chloride			25.0	19.2		ug/L		77	65 - 133	15	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: MB 480-726431/8
Matrix: Water
Analysis Batch: 726431

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 00:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 00:55	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 00:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 00:55	1

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

Lab Sample ID: MB 480-726431/8
Matrix: Water
Analysis Batch: 726431

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 00:55	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 00:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 00:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 00:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 00:55	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 00:55	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 00:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 00:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 00:55	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 00:55	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 00:55	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 00:55	1
Acetone	10	U	10	3.0	ug/L			09/28/24 00:55	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 00:55	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 00:55	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 00:55	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 00:55	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 00:55	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 00:55	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 00:55	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 00:55	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 00:55	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 00:55	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 00:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 00:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 00:55	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 00:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 00:55	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 00:55	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 00:55	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 00:55	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 00:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 00:55	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 00:55	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 00:55	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 00:55	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 00:55	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 00:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 00:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 00:55	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 00:55	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 00:55	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 00:55	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 00:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/24 00:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/28/24 00:55*	*1*

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

Lab Sample ID: MB 480-726431/8
Matrix: Water
Analysis Batch: 726431

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/28/24 00:55*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/28/24 00:55*	*1*

Lab Sample ID: LCS 480-726431/6
Matrix: Water
Analysis Batch: 726431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	76 - 120
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.1		ug/L		112	61 - 148
1,1-Dichloroethane	25.0	28.4		ug/L		114	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	28.0		ug/L		112	56 - 134
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	25.3		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	28.0		ug/L		112	76 - 120
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 120
2-Butanone (MEK)	125	137		ug/L		109	57 - 140
2-Hexanone	125	147		ug/L		118	65 - 127
4-Methyl-2-pentanone (MIBK)	125	144		ug/L		115	71 - 125
Acetone	125	146		ug/L		117	56 - 142
Benzene	25.0	27.2		ug/L		109	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122
Bromoform	25.0	28.6		ug/L		114	61 - 132
Bromomethane	25.0	27.2		ug/L		109	55 - 144
Carbon disulfide	25.0	28.7		ug/L		115	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		112	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	80 - 120
Dibromochloromethane	25.0	27.2		ug/L		109	75 - 125
Chloroethane	25.0	33.1		ug/L		132	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	28.8		ug/L		115	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	24.6		ug/L		99	74 - 124
Cyclohexane	25.0	28.2		ug/L		113	59 - 135
Dichlorodifluoromethane	25.0	21.6		ug/L		86	59 - 135
Ethylbenzene	25.0	28.4		ug/L		114	77 - 123
1,2-Dibromoethane	25.0	24.9		ug/L		99	77 - 120
Isopropylbenzene	25.0	27.0		ug/L		108	77 - 122
Methyl acetate	50.0	59.5		ug/L		119	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	25.0	25.2		ug/L		101	68 - 134
Methylene Chloride	25.0	25.1		ug/L		100	75 - 124
Styrene	25.0	26.4		ug/L		105	80 - 120

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

Lab Sample ID: LCS 480-726431/6
Matrix: Water
Analysis Batch: 726431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrachloroethene			25.0	27.8		ug/L		111	74 - 122		
Toluene			25.0	28.2		ug/L		113	80 - 122		
trans-1,2-Dichloroethene			25.0	27.7		ug/L		111	73 - 127		
trans-1,3-Dichloropropene			25.0	25.1		ug/L		100	80 - 120		
Trichloroethene			25.0	27.1		ug/L		108	74 - 123		
Trichlorofluoromethane			25.0	31.6		ug/L		126	62 - 150		
Vinyl chloride			25.0	30.0		ug/L		120	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

Lab Sample ID: MB 480-726463/8
Matrix: Water
Analysis Batch: 726463

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/28/24 05:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 05:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/28/24 05:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/28/24 05:08	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/28/24 05:08	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/24 05:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/28/24 05:08	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/28/24 05:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/28/24 05:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/28/24 05:08	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/28/24 05:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/28/24 05:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/28/24 05:08	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/28/24 05:08	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/28/24 05:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/28/24 05:08	1
Acetone	10	U	10	3.0	ug/L			09/28/24 05:08	1
Benzene	1.0	U	1.0	0.41	ug/L			09/28/24 05:08	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/28/24 05:08	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/28/24 05:08	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/28/24 05:08	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/28/24 05:08	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/28/24 05:08	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/28/24 05:08	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/28/24 05:08	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/28/24 05:08	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/28/24 05:08	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/28/24 05:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/28/24 05:08	1

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

Lab Sample ID: MB 480-726463/8
Matrix: Water
Analysis Batch: 726463

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/28/24 05:08	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/28/24 05:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/28/24 05:08	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/28/24 05:08	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/28/24 05:08	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/28/24 05:08	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/28/24 05:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/28/24 05:08	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/28/24 05:08	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/28/24 05:08	1
Styrene	1.0	U	1.0	0.73	ug/L			09/28/24 05:08	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/28/24 05:08	1
Toluene	1.0	U	1.0	0.51	ug/L			09/28/24 05:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/28/24 05:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/28/24 05:08	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/28/24 05:08	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/28/24 05:08	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/28/24 05:08	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/28/24 05:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*80 - 120*		*09/28/24 05:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/28/24 05:08*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*09/28/24 05:08*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/24 05:08*	*1*

Lab Sample ID: LCS 480-726463/6
Matrix: Water
Analysis Batch: 726463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	21.2		ug/L		85	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.1		ug/L		104	76 - 120
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.3		ug/L		93	61 - 148
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.2		ug/L		105	56 - 134
1,2-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	23.4		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 120
2-Butanone (MEK)	125	132		ug/L		105	57 - 140
2-Hexanone	125	140		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		107	71 - 125
Acetone	125	135		ug/L		108	56 - 142

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

Lab Sample ID: LCS 480-726463/6
Matrix: Water
Analysis Batch: 726463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	23.6		ug/L		94	80 - 122
Bromoform	25.0	27.8		ug/L		111	61 - 132
Bromomethane	25.0	20.0		ug/L		80	55 - 144
Carbon disulfide	25.0	22.2		ug/L		89	59 - 134
Carbon tetrachloride	25.0	21.8		ug/L		87	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Dibromochloromethane	25.0	26.3		ug/L		105	75 - 125
Chloroethane	25.0	20.7		ug/L		83	69 - 136
Chloroform	25.0	22.3		ug/L		89	73 - 127
Chloromethane	25.0	20.9		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	23.7		ug/L		95	74 - 124
Cyclohexane	25.0	19.7		ug/L		79	59 - 135
Dichlorodifluoromethane	25.0	20.0		ug/L		80	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	26.0		ug/L		104	77 - 120
Isopropylbenzene	25.0	22.7		ug/L		91	77 - 122
Methyl acetate	50.0	49.2		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	24.3		ug/L		97	77 - 120
Methylcyclohexane	25.0	20.4		ug/L		82	68 - 134
Methylene Chloride	25.0	23.4		ug/L		94	75 - 124
Styrene	25.0	24.6		ug/L		98	80 - 120
Tetrachloroethene	25.0	23.8		ug/L		95	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	80 - 120
Trichloroethene	25.0	22.6		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	22.4		ug/L		90	62 - 150
Vinyl chloride	25.0	21.1		ug/L		84	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-223784-2 MS
Matrix: Water
Analysis Batch: 726463

Client Sample ID: GW-10S-09262024-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	25.0	25.8		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	1.0	U	25.0	26.0		ug/L		104	76 - 120
1,1,2-Trichloroethane	1.0	U	25.0	26.3		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	23.8		ug/L		95	61 - 148
1,1-Dichloroethane	1.0	U	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	1.0	U	25.0	26.8		ug/L		107	66 - 127

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

Lab Sample ID: 480-223784-2 MS
Matrix: Water
Analysis Batch: 726463

Client Sample ID: GW-10S-09262024-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	1.0	U	25.0	27.2		ug/L		109	79 - 122
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	24.4		ug/L		98	56 - 134
1,2-Dichlorobenzene	1.0	U	25.0	26.0		ug/L		104	80 - 124
1,2-Dichloroethane	1.0	U	25.0	24.9		ug/L		99	75 - 120
1,2-Dichloropropane	1.0	U	25.0	26.4		ug/L		106	76 - 120
1,3-Dichlorobenzene	1.0	U	25.0	25.9		ug/L		104	77 - 120
1,4-Dichlorobenzene	1.0	U	25.0	25.6		ug/L		102	78 - 124
2-Butanone (MEK)	10	U	125	123		ug/L		98	57 - 140
2-Hexanone	5.0	U	125	133		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	125	127		ug/L		102	71 - 125
Acetone	10	U	125	125		ug/L		100	56 - 142
Benzene	1.0	U	25.0	26.3		ug/L		105	71 - 124
Bromodichloromethane	1.0	U	25.0	25.5		ug/L		102	80 - 122
Bromoform	1.0	U	25.0	28.2		ug/L		113	61 - 132
Bromomethane	1.0	U	25.0	24.4		ug/L		97	55 - 144
Carbon disulfide	1.0	U	25.0	26.4		ug/L		106	59 - 134
Carbon tetrachloride	0.36	J	25.0	27.0		ug/L		107	72 - 134
Chlorobenzene	1.0	U	25.0	25.7		ug/L		103	80 - 120
Dibromochloromethane	1.0	U	25.0	26.7		ug/L		107	75 - 125
Chloroethane	1.0	U	25.0	26.1		ug/L		104	69 - 136
Chloroform	0.52	J	25.0	25.3		ug/L		99	73 - 127
Chloromethane	1.0	U	25.0	25.4		ug/L		102	68 - 124
cis-1,2-Dichloroethene	1.0	U	25.0	26.8		ug/L		107	74 - 124
cis-1,3-Dichloropropene	1.0	U	25.0	24.3		ug/L		97	74 - 124
Cyclohexane	1.0	U	25.0	25.8		ug/L		103	59 - 135
Dichlorodifluoromethane	1.0	U	25.0	25.5		ug/L		102	59 - 135
Ethylbenzene	1.0	U	25.0	26.0		ug/L		104	77 - 123
1,2-Dibromoethane	1.0	U	25.0	26.5		ug/L		106	77 - 120
Isopropylbenzene	1.0	U	25.0	25.1		ug/L		100	77 - 122
Methyl acetate	2.5	U	50.0	46.4		ug/L		93	74 - 133
Methyl tert-butyl ether	1.0	U	25.0	25.5		ug/L		102	77 - 120
Methylcyclohexane	1.0	U	25.0	26.2		ug/L		105	68 - 134
Methylene Chloride	1.0	U	25.0	25.7		ug/L		103	75 - 124
Styrene	1.0	U	25.0	25.9		ug/L		104	80 - 120
Tetrachloroethene	1.0	U	25.0	27.9		ug/L		112	74 - 122
Toluene	1.0	U	25.0	25.6		ug/L		102	80 - 122
trans-1,2-Dichloroethene	1.0	U	25.0	26.6		ug/L		106	73 - 127
trans-1,3-Dichloropropene	1.0	U	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	2.1		25.0	28.0		ug/L		104	74 - 123
Trichlorofluoromethane	1.0	U	25.0	29.7		ug/L		119	62 - 150
Vinyl chloride	1.0	U	25.0	27.6		ug/L		110	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

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

Lab Sample ID: 480-223784-2 MSD
Matrix: Water
Analysis Batch: 726463

Client Sample ID: GW-10S-09262024-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	25.0	27.0		ug/L		108	73 - 126	4	15
1,1,2,2-Tetrachloroethane	1.0	U	25.0	25.3		ug/L		101	76 - 120	3	15
1,1,2-Trichloroethane	1.0	U	25.0	26.2		ug/L		105	76 - 122	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	25.7		ug/L		103	61 - 148	8	20
1,1-Dichloroethane	1.0	U	25.0	26.3		ug/L		105	77 - 120	1	20
1,1-Dichloroethene	1.0	U	25.0	27.1		ug/L		108	66 - 127	1	16
1,2,4-Trichlorobenzene	1.0	U	25.0	27.2		ug/L		109	79 - 122	0	20
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	23.7		ug/L		95	56 - 134	3	15
1,2-Dichlorobenzene	1.0	U	25.0	25.4		ug/L		101	80 - 124	2	20
1,2-Dichloroethane	1.0	U	25.0	25.1		ug/L		100	75 - 120	1	20
1,2-Dichloropropane	1.0	U	25.0	26.6		ug/L		106	76 - 120	1	20
1,3-Dichlorobenzene	1.0	U	25.0	25.4		ug/L		102	77 - 120	2	20
1,4-Dichlorobenzene	1.0	U	25.0	24.9		ug/L		100	78 - 124	3	20
2-Butanone (MEK)	10	U	125	119		ug/L		95	57 - 140	3	20
2-Hexanone	5.0	U	125	122		ug/L		98	65 - 127	9	15
4-Methyl-2-pentanone (MIBK)	5.0	U	125	122		ug/L		97	71 - 125	5	35
Acetone	10	U	125	121		ug/L		97	56 - 142	3	15
Benzene	1.0	U	25.0	26.6		ug/L		106	71 - 124	1	13
Bromodichloromethane	1.0	U	25.0	26.4		ug/L		106	80 - 122	3	15
Bromoform	1.0	U	25.0	27.5		ug/L		110	61 - 132	2	15
Bromomethane	1.0	U	25.0	24.7		ug/L		99	55 - 144	1	15
Carbon disulfide	1.0	U	25.0	26.2		ug/L		105	59 - 134	1	15
Carbon tetrachloride	0.36	J	25.0	27.5		ug/L		109	72 - 134	2	15
Chlorobenzene	1.0	U	25.0	25.8		ug/L		103	80 - 120	0	25
Dibromochloromethane	1.0	U	25.0	26.6		ug/L		106	75 - 125	0	15
Chloroethane	1.0	U	25.0	26.4		ug/L		106	69 - 136	1	15
Chloroform	0.52	J	25.0	25.7		ug/L		101	73 - 127	2	20
Chloromethane	1.0	U	25.0	26.1		ug/L		104	68 - 124	3	15
cis-1,2-Dichloroethene	1.0	U	25.0	26.7		ug/L		107	74 - 124	0	15
cis-1,3-Dichloropropene	1.0	U	25.0	24.1		ug/L		96	74 - 124	1	15
Cyclohexane	1.0	U	25.0	25.8		ug/L		103	59 - 135	0	20
Dichlorodifluoromethane	1.0	U	25.0	25.6		ug/L		102	59 - 135	0	20
Ethylbenzene	1.0	U	25.0	26.3		ug/L		105	77 - 123	1	15
1,2-Dibromoethane	1.0	U	25.0	26.3		ug/L		105	77 - 120	1	15
Isopropylbenzene	1.0	U	25.0	25.0		ug/L		100	77 - 122	0	20
Methyl acetate	2.5	U	50.0	44.5		ug/L		89	74 - 133	4	20
Methyl tert-butyl ether	1.0	U	25.0	25.4		ug/L		102	77 - 120	0	37
Methylcyclohexane	1.0	U	25.0	26.7		ug/L		107	68 - 134	2	20
Methylene Chloride	1.0	U	25.0	26.1		ug/L		104	75 - 124	1	15
Styrene	1.0	U	25.0	25.6		ug/L		102	80 - 120	1	20
Tetrachloroethene	1.0	U	25.0	27.7		ug/L		111	74 - 122	1	20
Toluene	1.0	U	25.0	25.9		ug/L		104	80 - 122	1	15
trans-1,2-Dichloroethene	1.0	U	25.0	26.7		ug/L		107	73 - 127	0	20
trans-1,3-Dichloropropene	1.0	U	25.0	24.9		ug/L		100	80 - 120	2	15
Trichloroethene	2.1		25.0	28.6		ug/L		106	74 - 123	2	16
Trichlorofluoromethane	1.0	U	25.0	30.4		ug/L		122	62 - 150	2	20
Vinyl chloride	1.0	U	25.0	28.4		ug/L		113	65 - 133	3	15

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

Lab Sample ID: 480-223784-2 MSD — **Client Sample ID: GW-10S-09262024-MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726463

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-726126/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/25/24 11:02	1

Lab Sample ID: LCS 480-726126/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane	36.5	36.0		ug/L		99	79 - 120

Lab Sample ID: 480-223647-3 MS — **Client Sample ID: SW-B-09232024-MS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726126

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane	7.5	U	36.5	33.5		ug/L		92	76 - 125

Lab Sample ID: 480-223647-3 MSD — **Client Sample ID: SW-B-09232024-MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726126

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethane	7.5	U	36.5	32.7		ug/L		89	76 - 125	3	50

Lab Sample ID: MB 480-726287/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726287

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/26/24 11:55	1

Lab Sample ID: LCS 480-726287/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726287

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane	36.5	38.6		ug/L		106	79 - 120

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 480-726287/6
Matrix: Water
Analysis Batch: 726287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethane			36.5	38.4		ug/L		105	79 - 120	0	50

Lab Sample ID: MB 480-726371/4
Matrix: Water
Analysis Batch: 726371

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/27/24 09:01	1

Lab Sample ID: LCS 480-726371/5
Matrix: Water
Analysis Batch: 726371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethane			36.5	37.6		ug/L		103	79 - 120		

Lab Sample ID: MB 480-726563/6
Matrix: Water
Analysis Batch: 726563

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	7.5	U	7.5	1.5	ug/L			09/30/24 09:08	1

Lab Sample ID: LCS 480-726563/7
Matrix: Water
Analysis Batch: 726563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethane			36.5	42.4		ug/L		116	79 - 120		

Lab Sample ID: 480-223784-2 MS
Matrix: Water
Analysis Batch: 726563

Client Sample ID: GW-10S-09262024-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethane	7.5	U	36.5	37.9		ug/L		104	76 - 125		

Lab Sample ID: 480-223784-2 MSD
Matrix: Water
Analysis Batch: 726563

Client Sample ID: GW-10S-09262024-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethane	7.5	U	36.5	36.9		ug/L		101	76 - 125	3	50

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-726051/1-A
Matrix: Water
Analysis Batch: 726239

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0040	U	0.0040	0.0010	mg/L		09/25/24 08:16	09/25/24 19:15	1

Lab Sample ID: LCS 480-726051/2-A
Matrix: Water
Analysis Batch: 726239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726051

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium			0.500	0.535		mg/L		107	80 - 120		

Lab Sample ID: LCSD 480-726051/3-A
Matrix: Water
Analysis Batch: 726239

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726051

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium			0.500	0.548		mg/L		110	80 - 120	3	20

Lab Sample ID: 480-223647-3 MS
Matrix: Water
Analysis Batch: 726239

Client Sample ID: SW-B-09232024-MS
Prep Type: Total/NA
Prep Batch: 726051

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium	0.0040	U	0.500	0.539		mg/L		108	75 - 125		

Lab Sample ID: 480-223647-3 MSD
Matrix: Water
Analysis Batch: 726239

Client Sample ID: SW-B-09232024-MSD
Prep Type: Total/NA
Prep Batch: 726051

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.0040	U	0.500	0.533		mg/L		107	75 - 125	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-726045/3
Matrix: Water
Analysis Batch: 726045

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.010	U	0.010	0.0050	mg/L			09/24/24 13:05	1

Lab Sample ID: LCS 480-726045/4
Matrix: Water
Analysis Batch: 726045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			0.0500	0.0448		mg/L		90	85 - 115		

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 480-223647-3 MS
Matrix: Water
Analysis Batch: 726045

Client Sample ID: SW-B-09232024-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	0.010	U	0.0500	0.0448		mg/L		90	85 - 115		

Lab Sample ID: 480-223647-3 MSD
Matrix: Water
Analysis Batch: 726045

Client Sample ID: SW-B-09232024-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.010	U	0.0500	0.0436		mg/L		87	85 - 115	3	20

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 725960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223647-1	GW-13D-09232024	Total/NA	Water	8260C	
480-223647-2	GW-M-27D-09232024	Total/NA	Water	8260C	
480-223647-4	FD-1-09232024	Total/NA	Water	8260C	
480-223647-5	TB-1-09232024	Total/NA	Water	8260C	
480-223647-6	SW-A-09232024	Total/NA	Water	8260C	
MB 480-725960/8	Method Blank	Total/NA	Water	8260C	
LCS 480-725960/27	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 725969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223647-3	SW-B-09232024	Total/NA	Water	8260C	
MB 480-725969/9	Method Blank	Total/NA	Water	8260C	
LCS 480-725969/6	Lab Control Sample	Total/NA	Water	8260C	
480-223647-3 MS	SW-B-09232024-MS	Total/NA	Water	8260C	
480-223647-3 MSD	SW-B-09232024-MSD	Total/NA	Water	8260C	

Analysis Batch: 726185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223692-1	GW-M-26S-09242024	Total/NA	Water	8260C	
480-223692-2	GW-M-26D-09242024	Total/NA	Water	8260C	
480-223692-3	GW-M-11D-09242024	Total/NA	Water	8260C	
480-223692-4	GW-MW-1-09242024	Total/NA	Water	8260C	
MB 480-726185/8	Method Blank	Total/NA	Water	8260C	
LCS 480-726185/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 726373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223755-1	EB-2-09252024	Total/NA	Water	8260C	
480-223755-2	GW-4S-09252024	Total/NA	Water	8260C	
480-223755-3	GW-4D-09252024	Total/NA	Water	8260C	
480-223755-4	GW-M-25D-09252024	Total/NA	Water	8260C	
480-223755-5	GW-M-25S-09252024	Total/NA	Water	8260C	
480-223755-6	GW-M-26D-09252024	Total/NA	Water	8260C	
480-223755-7	GW-M-28D-09252024	Total/NA	Water	8260C	
MB 480-726373/8	Method Blank	Total/NA	Water	8260C	
LCS 480-726373/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 726382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223755-8	GW-M-29S-09252024	Total/NA	Water	8260C	
480-223755-9	GW-M-28S-09252024	Total/NA	Water	8260C	
480-223755-10	SW-D-09252024	Total/NA	Water	8260C	
480-223755-11	TB-3-09252024	Total/NA	Water	8260C	
MB 480-726382/8	Method Blank	Total/NA	Water	8260C	
LCS 480-726382/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-726382/29	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 726431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223692-5	GW-MW-4-09242024	Total/NA	Water	8260C	
480-223692-6	FD-2-09242024	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 726431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223692-7	SW-G-09242024	Total/NA	Water	8260C	
480-223692-8	SW-F-09242024	Total/NA	Water	8260C	
480-223692-9	SW-E-09242024	Total/NA	Water	8260C	
480-223692-10	EB-1-09242024	Total/NA	Water	8260C	
480-223692-11	TB-2-09242024	Total/NA	Water	8260C	
MB 480-726431/8	Method Blank	Total/NA	Water	8260C	
LCS 480-726431/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 726463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223784-1	EB-3-09262024	Total/NA	Water	8260C	
480-223784-2	GW-10S-09262024	Total/NA	Water	8260C	
480-223784-3	GW-DGC-4S-09262024	Total/NA	Water	8260C	
480-223784-4	GW-13S-09262024	Total/NA	Water	8260C	
480-223784-5	GW-M-24DR-09262024	Total/NA	Water	8260C	
480-223784-6	TB-4-09262024	Total/NA	Water	8260C	
MB 480-726463/8	Method Blank	Total/NA	Water	8260C	
LCS 480-726463/6	Lab Control Sample	Total/NA	Water	8260C	
480-223784-2 MS	GW-10S-09262024-MS	Total/NA	Water	8260C	
480-223784-2 MSD	GW-10S-09262024-MSD	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 726126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223647-1	GW-13D-09232024	Total/NA	Water	RSK-175	
480-223647-2	GW-M-27D-09232024	Total/NA	Water	RSK-175	
480-223647-3	SW-B-09232024	Total/NA	Water	RSK-175	
480-223647-4	FD-1-09232024	Total/NA	Water	RSK-175	
480-223647-6	SW-A-09232024	Total/NA	Water	RSK-175	
MB 480-726126/7	Method Blank	Total/NA	Water	RSK-175	
LCS 480-726126/9	Lab Control Sample	Total/NA	Water	RSK-175	
480-223647-3 MS	SW-B-09232024-MS	Total/NA	Water	RSK-175	
480-223647-3 MSD	SW-B-09232024-MSD	Total/NA	Water	RSK-175	

Analysis Batch: 726287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223692-1	GW-M-26S-09242024	Total/NA	Water	RSK-175	
480-223692-2	GW-M-26D-09242024	Total/NA	Water	RSK-175	
480-223692-3	GW-M-11D-09242024	Total/NA	Water	RSK-175	
480-223692-4	GW-MW-1-09242024	Total/NA	Water	RSK-175	
480-223692-5	GW-MW-4-09242024	Total/NA	Water	RSK-175	
480-223692-6	FD-2-09242024	Total/NA	Water	RSK-175	
480-223692-7	SW-G-09242024	Total/NA	Water	RSK-175	
480-223692-8	SW-F-09242024	Total/NA	Water	RSK-175	
480-223692-9	SW-E-09242024	Total/NA	Water	RSK-175	
480-223692-10	EB-1-09242024	Total/NA	Water	RSK-175	
480-223692-11	TB-2-09242024	Total/NA	Water	RSK-175	
MB 480-726287/4	Method Blank	Total/NA	Water	RSK-175	
LCS 480-726287/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-726287/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

GC VOA

Analysis Batch: 726371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223755-1	EB-2-09252024	Total/NA	Water	RSK-175	
480-223755-2	GW-4S-09252024	Total/NA	Water	RSK-175	
480-223755-3	GW-4D-09252024	Total/NA	Water	RSK-175	
480-223755-4	GW-M-25D-09252024	Total/NA	Water	RSK-175	
480-223755-5	GW-M-25S-09252024	Total/NA	Water	RSK-175	
480-223755-6	GW-M-26D-09252024	Total/NA	Water	RSK-175	
480-223755-7	GW-M-28D-09252024	Total/NA	Water	RSK-175	
480-223755-8	GW-M-29S-09252024	Total/NA	Water	RSK-175	
480-223755-9	GW-M-28S-09252024	Total/NA	Water	RSK-175	
480-223755-10	SW-D-09252024	Total/NA	Water	RSK-175	
MB 480-726371/4	Method Blank	Total/NA	Water	RSK-175	
LCS 480-726371/5	Lab Control Sample	Total/NA	Water	RSK-175	

Analysis Batch: 726563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223784-1	EB-3-09262024	Total/NA	Water	RSK-175	
480-223784-2	GW-10S-09262024	Total/NA	Water	RSK-175	
480-223784-3	GW-DGC-4S-09262024	Total/NA	Water	RSK-175	
480-223784-4	GW-13S-09262024	Total/NA	Water	RSK-175	
480-223784-5	GW-M-24DR-09262024	Total/NA	Water	RSK-175	
MB 480-726563/6	Method Blank	Total/NA	Water	RSK-175	
LCS 480-726563/7	Lab Control Sample	Total/NA	Water	RSK-175	
480-223784-2 MS	GW-10S-09262024-MS	Total/NA	Water	RSK-175	
480-223784-2 MSD	GW-10S-09262024-MSD	Total/NA	Water	RSK-175	

Metals

Prep Batch: 726051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223647-1	GW-13D-09232024	Total/NA	Water	3005A	
480-223647-2	GW-M-27D-09232024	Total/NA	Water	3005A	
480-223647-3	SW-B-09232024	Total/NA	Water	3005A	
480-223647-4	FD-1-09232024	Total/NA	Water	3005A	
MB 480-726051/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-726051/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-726051/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	
480-223647-3 MS	SW-B-09232024-MS	Total/NA	Water	3005A	
480-223647-3 MSD	SW-B-09232024-MSD	Total/NA	Water	3005A	

Analysis Batch: 726239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223647-1	GW-13D-09232024	Total/NA	Water	6010C	726051
480-223647-2	GW-M-27D-09232024	Total/NA	Water	6010C	726051
480-223647-3	SW-B-09232024	Total/NA	Water	6010C	726051
480-223647-4	FD-1-09232024	Total/NA	Water	6010C	726051
MB 480-726051/1-A	Method Blank	Total/NA	Water	6010C	726051
LCS 480-726051/2-A	Lab Control Sample	Total/NA	Water	6010C	726051
LCSD 480-726051/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	726051
480-223647-3 MS	SW-B-09232024-MS	Total/NA	Water	6010C	726051
480-223647-3 MSD	SW-B-09232024-MSD	Total/NA	Water	6010C	726051

QC Association Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

General Chemistry

Analysis Batch: 726045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223647-1	GW-13D-09232024	Total/NA	Water	7196A	
480-223647-2	GW-M-27D-09232024	Total/NA	Water	7196A	
480-223647-3	SW-B-09232024	Total/NA	Water	7196A	
480-223647-4	FD-1-09232024	Total/NA	Water	7196A	
MB 480-726045/3	Method Blank	Total/NA	Water	7196A	
LCS 480-726045/4	Lab Control Sample	Total/NA	Water	7196A	
480-223647-3 MS	SW-B-09232024-MS	Total/NA	Water	7196A	
480-223647-3 MSD	SW-B-09232024-MSD	Total/NA	Water	7196A	

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-13D-09232024

Lab Sample ID: 480-223647-1

Date Collected: 09/23/24 12:00
Matrix: Water
Date Received: 09/24/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725960	AD	EET BUF	09/24/24 14:19
Total/NA	Analysis	RSK-175		1	726126	JLS	EET BUF	09/25/24 12:19
Total/NA	Prep	3005A			726051	EMO	EET BUF	09/25/24 08:16
Total/NA	Analysis	6010C		1	726239	BMB	EET BUF	09/25/24 19:30
Total/NA	Analysis	7196A		1	726045	RMJ	EET BUF	09/24/24 13:05

Client Sample ID: GW-M-27D-09232024

Lab Sample ID: 480-223647-2

Date Collected: 09/23/24 13:20
Matrix: Water
Date Received: 09/24/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725960	AD	EET BUF	09/24/24 15:55
Total/NA	Analysis	RSK-175		1	726126	JLS	EET BUF	09/25/24 12:46
Total/NA	Prep	3005A			726051	EMO	EET BUF	09/25/24 08:16
Total/NA	Analysis	6010C		1	726239	BMB	EET BUF	09/25/24 19:38
Total/NA	Analysis	7196A		1	726045	RMJ	EET BUF	09/24/24 13:05

Client Sample ID: SW-B-09232024

Lab Sample ID: 480-223647-3

Date Collected: 09/23/24 14:15
Matrix: Water
Date Received: 09/24/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725969	ZN	EET BUF	09/24/24 16:14
Total/NA	Analysis	RSK-175		1	726126	JLS	EET BUF	09/25/24 13:05
Total/NA	Prep	3005A			726051	EMO	EET BUF	09/25/24 08:16
Total/NA	Analysis	6010C		1	726239	BMB	EET BUF	09/25/24 19:39
Total/NA	Analysis	7196A		1	726045	RMJ	EET BUF	09/24/24 13:05

Client Sample ID: FD-1-09232024

Lab Sample ID: 480-223647-4

Date Collected: 09/23/24 00:00
Matrix: Water
Date Received: 09/24/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725960	AD	EET BUF	09/24/24 16:17
Total/NA	Analysis	RSK-175		1	726126	JLS	EET BUF	09/25/24 13:24
Total/NA	Prep	3005A			726051	EMO	EET BUF	09/25/24 08:16
Total/NA	Analysis	6010C		1	726239	BMB	EET BUF	09/25/24 19:49
Total/NA	Analysis	7196A		1	726045	RMJ	EET BUF	09/24/24 13:05

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-1-09232024
Date Collected: 09/23/24 00:00
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725960	AD	EET BUF	09/24/24 16:39

Client Sample ID: SW-A-09232024
Date Collected: 09/23/24 14:45
Date Received: 09/24/24 10:00

Lab Sample ID: 480-223647-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725960	AD	EET BUF	09/24/24 17:01
Total/NA	Analysis	RSK-175		1	726126	JLS	EET BUF	09/25/24 13:43

Client Sample ID: GW-M-26S-09242024
Date Collected: 09/24/24 10:50
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726185	ZN	EET BUF	09/26/24 06:01
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 13:00

Client Sample ID: GW-M-26D-09242024
Date Collected: 09/24/24 11:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726185	ZN	EET BUF	09/26/24 06:23
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 13:19

Client Sample ID: GW-M-11D-09242024
Date Collected: 09/24/24 12:05
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726185	ZN	EET BUF	09/26/24 06:45
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 13:38

Client Sample ID: GW-MW-1-09242024
Date Collected: 09/24/24 13:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726185	ZN	EET BUF	09/26/24 07:07
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 13:57

Client Sample ID: GW-MW-4-09242024
Lab Sample ID: 480-223692-5
Date Collected: 09/24/24 13:30
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726431	LCH	EET BUF	09/28/24 01:17
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 14:16

Client Sample ID: FD-2-09242024
Lab Sample ID: 480-223692-6
Date Collected: 09/24/24 00:00
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726431	LCH	EET BUF	09/28/24 01:39
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 14:35

Client Sample ID: SW-G-09242024
Lab Sample ID: 480-223692-7
Date Collected: 09/24/24 14:10
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726431	LCH	EET BUF	09/28/24 02:02
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 14:54

Client Sample ID: SW-F-09242024
Lab Sample ID: 480-223692-8
Date Collected: 09/24/24 14:30
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726431	LCH	EET BUF	09/28/24 02:25
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 15:13

Client Sample ID: SW-E-09242024
Lab Sample ID: 480-223692-9
Date Collected: 09/24/24 14:55
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726431	LCH	EET BUF	09/28/24 02:47
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 15:31

Client Sample ID: EB-1-09242024
Lab Sample ID: 480-223692-10
Date Collected: 09/24/24 15:55
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726431	LCH	EET BUF	09/28/24 03:10
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 15:50

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: TB-2-09242024
Date Collected: 09/24/24 00:00
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223692-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726431	LCH	EET BUF	09/28/24 03:32
Total/NA	Analysis	RSK-175		1	726287	MAN	EET BUF	09/26/24 16:09

Client Sample ID: EB-2-09252024
Date Collected: 09/25/24 08:00
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726373	ZN	EET BUF	09/27/24 18:03
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 13:31

Client Sample ID: GW-4S-09252024
Date Collected: 09/25/24 09:45
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726373	ZN	EET BUF	09/27/24 18:26
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 13:50

Client Sample ID: GW-4D-09252024
Date Collected: 09/25/24 09:50
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726373	ZN	EET BUF	09/27/24 18:49
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 14:09

Client Sample ID: GW-M-25D-09252024
Date Collected: 09/25/24 10:40
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726373	ZN	EET BUF	09/27/24 19:13
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 14:28

Client Sample ID: GW-M-25S-09252024
Date Collected: 09/25/24 10:55
Date Received: 09/26/24 10:30

Lab Sample ID: 480-223755-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726373	ZN	EET BUF	09/27/24 19:36
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 14:47

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: GW-M-26D-09252024
Lab Sample ID: 480-223755-6
Date Collected: 09/25/24 12:10
Matrix: Water
Date Received: 09/26/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726373	ZN	EET BUF	09/27/24 20:00
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 15:06

Client Sample ID: GW-M-28D-09252024
Lab Sample ID: 480-223755-7
Date Collected: 09/25/24 12:25
Matrix: Water
Date Received: 09/26/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726373	ZN	EET BUF	09/27/24 20:23
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 15:24

Client Sample ID: GW-M-29S-09252024
Lab Sample ID: 480-223755-8
Date Collected: 09/25/24 12:55
Matrix: Water
Date Received: 09/26/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726382	AD	EET BUF	09/27/24 19:50
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 15:43

Client Sample ID: GW-M-28S-09252024
Lab Sample ID: 480-223755-9
Date Collected: 09/25/24 13:25
Matrix: Water
Date Received: 09/26/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726382	AD	EET BUF	09/27/24 20:13
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 16:02

Client Sample ID: SW-D-09252024
Lab Sample ID: 480-223755-10
Date Collected: 09/25/24 14:00
Matrix: Water
Date Received: 09/26/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726382	AD	EET BUF	09/27/24 13:21
Total/NA	Analysis	RSK-175		1	726371	MAN	EET BUF	09/27/24 16:21

Client Sample ID: TB-3-09252024
Lab Sample ID: 480-223755-11
Date Collected: 09/25/24 00:00
Matrix: Water
Date Received: 09/26/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726382	AD	EET BUF	09/27/24 13:57

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Client Sample ID: EB-3-09262024
Date Collected: 09/26/24 08:10
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726463	LCH	EET BUF	09/28/24 10:49
Total/NA	Analysis	RSK-175		1	726563	MAN	EET BUF	09/30/24 10:04

Client Sample ID: GW-10S-09262024
Date Collected: 09/26/24 10:00
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726463	LCH	EET BUF	09/28/24 11:14
Total/NA	Analysis	RSK-175		1	726563	MAN	EET BUF	09/30/24 12:54

Client Sample ID: GW-DGC-4S-09262024
Date Collected: 09/26/24 11:30
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726463	LCH	EET BUF	09/28/24 11:39
Total/NA	Analysis	RSK-175		1	726563	MAN	EET BUF	09/30/24 10:23

Client Sample ID: GW-13S-09262024
Date Collected: 09/26/24 12:55
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726463	LCH	EET BUF	09/28/24 12:03
Total/NA	Analysis	RSK-175		1	726563	MAN	EET BUF	09/30/24 10:42

Client Sample ID: GW-M-24DR-09262024
Date Collected: 09/26/24 13:55
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726463	LCH	EET BUF	09/28/24 12:28
Total/NA	Analysis	RSK-175		1	726563	MAN	EET BUF	09/30/24 11:01

Client Sample ID: TB-4-09262024
Date Collected: 09/26/24 00:00
Date Received: 09/27/24 09:30

Lab Sample ID: 480-223784-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726463	LCH	EET BUF	09/28/24 12:52

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: Malta Rocket Fuel (MRFA)

Job ID: 480-223647-1
SDG: 480-223647-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
_RSK_STK_00028	02/21/25	Airgas, Lot 126-402370564-1			(Purchased Reagent)		Ethane	12423 ng/mL
_RSK_STK_00029	06/10/31	Airgas, Lot 141-402753483-1			(Purchased Reagent)		Ethane	12423 ng/mL
							Ethylene	11566 ng/mL
							Methane	6633.6 ng/mL
10ppm hex_00010	11/01/24	05/01/24	Di Water, Lot 000001	25 mL	WC_STD_HEX_00013	250 uL	Chromium, hexavalent	10.02 mg/L
.WC_STD_HEX_00013	02/08/25	Agilent, Lot 0006684917			(Purchased Reagent)		Chromium, hexavalent	1002 mg/L
20ppm hex_00008	11/01/24	05/01/24	Di Water, Lot 000001	25 mL	WC_STD_HEX_00013	500 uL	Chromium, hexavalent	20.04 mg/L
.WC_STD_HEX_00013	02/08/25	Agilent, Lot 0006684917			(Purchased Reagent)		Chromium, hexavalent	1002 mg/L
2ppm hex_00009	11/01/24	05/01/24	Di Water, Lot 000001	25 mL	WC_STD_HEX_00013	50 uL	Chromium, hexavalent	2.004 mg/L
.WC_STD_HEX_00013	02/08/25	Agilent, Lot 0006684917			(Purchased Reagent)		Chromium, hexavalent	1002 mg/L
40ppm hex_00009	11/01/24	05/01/24	Di Water, Lot 000001	25 mL	WC_STD_HEX_00013	1 mL	Chromium, hexavalent	40.08 mg/L
.WC_STD_HEX_00013	02/08/25	Agilent, Lot 0006684917			(Purchased Reagent)		Chromium, hexavalent	1002 mg/L
4ppm hex_00010	11/01/24	05/01/24	Di Water, Lot 000001	25 mL	WC_STD_HEX_00013	100 uL	Chromium, hexavalent	4.008 mg/L
.WC_STD_HEX_00013	02/08/25	Agilent, Lot 0006684917			(Purchased Reagent)		Chromium, hexavalent	1002 mg/L
60ppm hex_00007	11/01/24	05/01/24	Di Water, Lot 000001	25 mL	WC_STD_HEX_00013	1.5 mL	Chromium, hexavalent	60.12 mg/L
.WC_STD_HEX_00013	02/08/25	Agilent, Lot 0006684917			(Purchased Reagent)		Chromium, hexavalent	1002 mg/L
80ppm hex_00008	11/01/24	05/01/24	Di Water, Lot 000001	25 mL	WC_STD_HEX_00013	2 mL	Chromium, hexavalent	80.16 mg/L
.WC_STD_HEX_00013	02/08/25	Agilent, Lot 0006684917			(Purchased Reagent)		Chromium, hexavalent	1002 mg/L
8260 CORP mix_00257	09/30/24	07/11/24	Methanol, Lot 22C2362001	20 mL	Ketones_00223	800 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MegaMix_00225	800 uL	1,1,1-Trichloroethane	100 ug/mL
							1,1,2,2-Tetrachloroethane	100 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 ug/mL
							1,1,2-Trichloroethane	100 ug/mL
							1,1-Dichloroethane	100 ug/mL
							1,1-Dichloroethene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dibromo-3-Chloropropane	100 ug/mL
							1,2-Dibromoethane	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dichloroethane	100 ug/mL
							1,2-Dichloropropane	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							Benzene	100 ug/mL
							Bromodichloromethane	100 ug/mL
							Bromoform	100 ug/mL
							Carbon disulfide	100 ug/mL
							Carbon tetrachloride	100 ug/mL
							Chlorobenzene	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	100 ug/mL
							cis-1,2-Dichloroethene	100 ug/mL
							cis-1,3-Dichloropropene	100 ug/mL
							Cyclohexane	100 ug/mL
							Dibromochloromethane	100 ug/mL
							Ethylbenzene	100 ug/mL
							Isopropylbenzene	100 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	100 ug/mL
							Methylcyclohexane	100 ug/mL
							Methylene Chloride	100 ug/mL
							Styrene	100 ug/mL
							Tetrachloroethene	100 ug/mL
							Toluene	100 ug/mL
							trans-1,2-Dichloroethene	100 ug/mL
							trans-1,3-Dichloropropene	100 ug/mL
							Trichloroethene	100 ug/mL
.Ketones_00223	04/30/27	Restek, Lot A02010935			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MegaMix_00225	09/30/24	Restek, Lot A0183568			(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
8260 CORP mix_00258	10/19/24	08/19/24	Methanol, Lot 22C2362001	20 mL	2-CEVE_00230	800 uL	2-Chloroethyl vinyl ether	100 ug/mL
					Acrolein Mix_00503	500 uL	Acrolein	500 ug/mL
					Ketones_00224	800 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MegaMix_00232	800 uL	1,1,1,2-Tetrachloroethane	100 ug/mL
							1,1,1-Trichloroethane	100 ug/mL
							1,1,2,2-Tetrachloroethane	100 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 ug/mL
							1,1,2-Trichloroethane	100 ug/mL
							1,1-Dichloroethane	100 ug/mL
							1,1-Dichloroethene	100 ug/mL
							1,1-Dichloropropene	100 ug/mL
							1,2,3-Trichlorobenzene	100 ug/mL
							1,2,3-Trichloropropane	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2,4-Trimethylbenzene	100 ug/mL
							1,2-Dibromo-3-Chloropropane	100 ug/mL
							1,2-Dibromoethane	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dichloroethane	100 ug/mL
							1,2-Dichloropropane	100 ug/mL
							1,3,5-Trimethylbenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dichloropropane	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	2000 ug/mL
							2,2-Dichloropropane	100 ug/mL
							2-Chlorotoluene	100 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							3-Chloro-1-propene	100 ug/mL
							4-Chlorotoluene	100 ug/mL
							4-Isopropyltoluene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	1000 ug/mL
							Benzene	100 ug/mL
							Bromobenzene	100 ug/mL
							Bromodichloromethane	100 ug/mL
							Bromoform	100 ug/mL
							Carbon disulfide	100 ug/mL
							Carbon tetrachloride	100 ug/mL
							Chlorobenzene	100 ug/mL
							Chlorobromomethane	100 ug/mL
							Chloroform	100 ug/mL
							cis-1,2-Dichloroethene	100 ug/mL
							cis-1,3-Dichloropropene	100 ug/mL
							Cyclohexane	100 ug/mL
							Dibromochloromethane	100 ug/mL
							Dibromomethane	100 ug/mL
							Ethyl ether	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Ethylbenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexane	100 ug/mL
							Iodomethane	100 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropylbenzene	100 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	100 ug/mL
							Methylcyclohexane	100 ug/mL
							Methylene Chloride	100 ug/mL
							n-Butylbenzene	100 ug/mL
							n-Heptane	100 ug/mL
							N-Propylbenzene	100 ug/mL
							Naphthalene	100 ug/mL
							o-Xylene	100 ug/mL
							sec-Butylbenzene	100 ug/mL
							Styrene	100 ug/mL
							tert-Butylbenzene	100 ug/mL
							Tetrachloroethene	100 ug/mL
							Tetrahydrofuran	200 ug/mL
							Toluene	100 ug/mL
							trans-1,2-Dichloroethene	100 ug/mL
							trans-1,3-Dichloropropene	100 ug/mL
							trans-1,4-Dichloro-2-butene	100 ug/mL
							Trichloroethene	100 ug/mL
					Vinyl Acetate_00358	800 uL	Vinyl acetate	200 ug/mL
.2-CEVE_00230	02/28/27		Restek, Lot A0208368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.Acrolein Mix_00503	09/30/25		Restek, Lot A0209476		(Purchased Reagent)		Acrolein	20000 ug/mL
.Ketones_00224	04/30/27		Restek, Lot A02010935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MegaMix_00232	04/30/26		Restek, Lot A0203458		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00358	09/30/25	Restek, Lot A0209567			(Purchased Reagent)		Vinyl acetate	5000 ug/mL
8260 CORP mix_00259	11/17/24	09/17/24	Methanol, Lot 22C2362001	20 mL	2-CEVE_00231	800 uL	2-Chloroethyl vinyl ether	100 ug/mL
					Acrolein Mix_00504	500 uL	Acrolein	500 ug/mL
					Ketones_00225	800 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MegaMix_00233	800 uL	1,1,1,2-Tetrachloroethane	100 ug/mL
							1,1,1-Trichloroethane	100 ug/mL
							1,1,2,2-Tetrachloroethane	100 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 ug/mL
							1,1,2-Trichloroethane	100 ug/mL
							1,1-Dichloroethane	100 ug/mL
							1,1-Dichloroethene	100 ug/mL
							1,1-Dichloropropene	100 ug/mL
							1,2,3-Trichlorobenzene	100 ug/mL
							1,2,3-Trichloropropane	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	100 ug/mL
							1,2-Dibromo-3-Chloropropane	100 ug/mL
							1,2-Dibromoethane	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dichloroethane	100 ug/mL
							1,2-Dichloropropane	100 ug/mL
							1,3,5-Trimethylbenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dichloropropane	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	2000 ug/mL
							2,2-Dichloropropane	100 ug/mL
							2-Chlorotoluene	100 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							3-Chloro-1-propene	100 ug/mL
							4-Chlorotoluene	100 ug/mL
							4-Isopropyltoluene	100 ug/mL
							Acrylonitrile	1000 ug/mL
							Benzene	100 ug/mL
							Bromobenzene	100 ug/mL
							Bromodichloromethane	100 ug/mL
							Bromoform	100 ug/mL
							Carbon disulfide	100 ug/mL
							Carbon tetrachloride	100 ug/mL
							Chlorobenzene	100 ug/mL
							Chlorobromomethane	100 ug/mL
							Chloroform	100 ug/mL
							cis-1,2-Dichloroethene	100 ug/mL
							cis-1,3-Dichloropropene	100 ug/mL
							Cyclohexane	100 ug/mL
							Dibromochloromethane	100 ug/mL
							Dibromomethane	100 ug/mL
							Ethyl ether	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Ethylbenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexane	100 ug/mL
							Iodomethane	100 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropylbenzene	100 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	100 ug/mL
							Methylcyclohexane	100 ug/mL
							Methylene Chloride	100 ug/mL
							n-Butylbenzene	100 ug/mL
							n-Heptane	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Propylbenzene	100 ug/mL
							Naphthalene	100 ug/mL
							o-Xylene	100 ug/mL
							sec-Butylbenzene	100 ug/mL
							Styrene	100 ug/mL
							tert-Butylbenzene	100 ug/mL
							Tetrachloroethene	100 ug/mL
							Tetrahydrofuran	200 ug/mL
							Toluene	100 ug/mL
							trans-1,2-Dichloroethene	100 ug/mL
							trans-1,3-Dichloropropene	100 ug/mL
							trans-1,4-Dichloro-2-butene	100 ug/mL
							Trichloroethene	100 ug/mL
					Vinyl Acetate_00359	800 uL	Vinyl acetate	200 ug/mL
.2-CEVE_00231	02/28/27		Restek, Lot A0208368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.Acrolein Mix_00504	09/30/25		Restek, Lot A0209476		(Purchased Reagent)		Acrolein	20000 ug/mL
.Ketones_00225	04/30/27		Restek, Lot A02010935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MegaMix_00233	04/30/26		Restek, Lot A0203458		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00359	09/30/25		Restek, Lot A0209567		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
BFB_WRK_00165							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					MV_BFB_STK_00095	20 uL	BFB	50 ug/mL
.MV_BFB_STK_00095	02/19/25		Supelco, Lot LRAD6467		(Purchased Reagent)		BFB	25000 ug/mL
BFB_WRK_00166							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					MV_BFB_STK_00095	20 uL	BFB	50 ug/mL
.MV_BFB_STK_00095	02/19/25		Supelco, Lot LRAD6467		(Purchased Reagent)		BFB	25000 ug/mL
D 8260 IS/SUR_00089	09/30/24	07/30/24	P&T Methanol, Lot EC126-US	20 mL	IS_STK_01772	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
.IS_STK_01772	02/28/29		Restek, Lot A0207291		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
D 8260 IS/SUR_00089	09/30/24	07/30/24	P&T Methanol, Lot EC126-US	20 mL	SURR_STK_00553	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00553	01/30/25		Restek, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
D 8260 IS/SUR_00092	11/13/24	09/13/24	P&T Methanol, Lot EC126-US	20 mL	IS_STK_01791	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
					SURR_STK_00557	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.IS_STK_01791	04/30/29		Restek, Lot A0210835		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.SURR_STK_00557	05/31/29		Restek, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
GAS CORP mix_00639	09/11/24	09/04/24	Methanol, Lot EA832US	10 mL	8260/624-Gas_00557	400 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00557	05/31/27		Restek, Lot A0211969		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00640	09/18/24	09/11/24	Methanol, Lot EA832US	10 mL	8260/624-Gas_00557	400 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00557	05/31/27		Restek, Lot A0211969		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00641	09/24/24	09/17/24	Methanol, Lot EA832US	10 mL	8260/624-Gas_00558	400 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00558	03/17/25		Restek, Lot A0211969		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00642	10/01/24	09/24/24	Methanol, Lot EA832US	10 mL	8260/624-Gas_00558	400 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00558	03/17/25		Restek, Lot A0211969		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
HEX INT STD_00133	10/31/24	09/04/24	Di Water, Lot na	50 mL	WC_STD_HEX_00012	0.5 mL	Chromium, hexavalent	10 mg/L
.WC_STD_HEX_00012	12/31/27		Agilent, Lot 0006572479		(Purchased Reagent)		Chromium, hexavalent	1000 mg/L
K WATER IS/SS_00014	11/09/24	09/09/24	P&T Methanol, Lot EC126US	10 mL	IS_STK_01788	100 uL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene (IS)	25 ug/mL
					SURR_STK_00557	100 uL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 ug/mL
.IS_STK_01788	03/09/25		Restek, Lot A0210835		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.SURR_STK_00557	05/31/29		Restek, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
L_8260_IS_00059	11/24/24	09/24/24	P&T Methanol, Lot ec126us	5 mL	IS_STK_01788	125 uL	1,4-Dichlorobenzene-d4	62.5 ug/mL
							Chlorobenzene-d5	62.5 ug/mL
							Fluorobenzene (IS)	62.5 ug/mL
.IS_STK_01788	03/09/25		Restek, Lot A0210835		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
L_8260_SURR_00057	11/24/24	09/24/24	P&T Methanol, Lot ec126us	5 mL	SURR_STK_00554	125 uL	1,2-Dichloroethane-d4 (Surr)	62.5 ug/mL
							4-Bromofluorobenzene (Surr)	62.5 ug/mL
							Dibromofluoromethane (Surr)	62.5 ug/mL
							Toluene-d8 (Surr)	62.5 ug/mL

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SURR_STK_00554	02/07/25		Restek, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MED_03_Ag_00212	03/08/26	09/13/24	1% HNO3, Lot 1026960-69	200 mL	MEI_Ag_1,000_00015	2 mL	Ag	10 ug/mL
.MEI_Ag_1,000_00015	03/08/26		Agilent Technologies, Lot 1436096		(Purchased Reagent)		Ag	1000 ug/mL
MEI_10_CCVL_00526	11/01/24	08/28/24	1% HNO3, Lot 8053365	2000 mL	MEI_CRI STOCK_00076	20 mL	Chromium	0.004 mg/L
.MEI_CRI STOCK_00076	11/01/24	08/27/24	6%HNO3 5%HCL, Lot 8037073	1000 mL	MEA_Cr_STK_00011	0.4 mL	Chromium	0.4 ug/mL
..MEA_Cr_STK_00011	11/12/26		CPI International, Lot 1430567		(Purchased Reagent)		Chromium	1000 ug/mL
MEI_MSS_ICSA_00067	11/01/24	08/28/24	1% HNO3, Lot 8053365	500 mL	MEI_Adj_A_STK_00012	50 mL	Al	500 ug/mL
							Ba	0.012 ug/mL
							Ca	500 ug/mL
							Fe	200 ug/mL
							Mg	500 ug/mL
.MEI_Adj_A_STK_00012	11/01/24		CPI International, Lot 1437074		(Purchased Reagent)		Al	5000 ug/mL
							Ba	0.12 ug/mL
							Ca	5000 ug/mL
							Fe	2000 ug/mL
							Mg	5000 ug/mL
MEI_MSS_ICSAB_00067	11/01/24	08/28/24	1% HNO3, Lot 8053365	500 mL	MEI_ABpt1_STK_00006	2.5 mL	Mo	0.5 ug/mL
							Sb	0.5 ug/mL
							Si	5 ug/mL
							Sn	0.5 ug/mL
							Ti	0.5 ug/mL
					MEI_ABpt2_STK_00005	2.5 mL	Ag	0.5 ug/mL
							As	0.5 ug/mL
							B	5 ug/mL
							Ba	0.5125 ug/mL
							Be	0.2501 ug/mL
							Cd	0.5 ug/mL
							Chromium	0.4999 ug/mL
							Co	0.5 ug/mL
							Cu	0.5 ug/mL
							K	5 ug/mL
							Mn	0.5005 ug/mL
							Na	5 ug/mL
							Ni	0.5005 ug/mL
							Pb	0.5 ug/mL
							Se	0.5 ug/mL
							Sr	0.5 ug/mL
							Tl	0.5 ug/mL
							V	0.5 ug/mL
							Zn	0.5005 ug/mL
					MEI_Adj_A_STK_00012	50 mL	Al	500 ug/mL
							Ba	0.5125 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ca	500 ug/mL
							Fe	200 ug/mL
							Mg	500 ug/mL
.MEI_ABpt1_STK_00006	09/30/25	CPI International, Lot 1399525			(Purchased Reagent)		Mo	100 ug/mL
							Sb	100 ug/mL
							Si	1000 ug/mL
							Sn	100 ug/mL
							Ti	100 ug/mL
.MEI_ABpt2_STK_00005	10/21/25	CPI International, Lot 1333445-1			(Purchased Reagent)		Ag	100 ug/mL
							As	100 ug/mL
							B	1000 ug/mL
							Ba	100.1 ug/mL
							Be	50.02 ug/mL
							Cd	100 ug/mL
							Chromium	99.98 ug/mL
							Co	100 ug/mL
							Cu	100 ug/mL
							K	1000 ug/mL
							Mn	100.1 ug/mL
							Na	1000 ug/mL
							Ni	100.1 ug/mL
							Pb	100 ug/mL
							Se	100 ug/mL
							Sr	100 ug/mL
							Tl	100 ug/mL
							V	100 ug/mL
							Zn	100.1 ug/mL
.MEI_Adj_A_STK_00012	11/01/24	CPI International, Lot 1437074			(Purchased Reagent)		Al	5000 ug/mL
							Ba	0.12 ug/mL
							Ca	5000 ug/mL
							Fe	2000 ug/mL
							Mg	5000 ug/mL
MEI_MSS_ICV_00169	11/01/24	08/28/24	1% HNO3, Lot 8053365	200 mL	ME_TA_CAL1_00027	1.5 mL	Chromium	0.75075 mg/L
.ME_TA_CAL1_00027	05/27/25	CPI International, Lot 1364863			(Purchased Reagent)		Chromium	100.1 mg/L
MEI_MSS_STD2_00346	04/11/25	08/28/24	1% HNO3, Lot 8053365	1000 mL	ME_TA_CAL1_00024	10 mL	Chromium	1.001 ug/mL
.ME_TA_CAL1_00024	02/11/26	CPI International, Lot 1437070			(Purchased Reagent)		Chromium	100.1 mg/L
MEP_Mix4_00011	01/01/25	09/12/24	ELGA Water, Lot none	200 mL	me-sb-stk1000_00007	20 mL	Sb	100 mg/L
					MEA_Al_STK_00015	0.4 mL	Al	20 mg/L
					MEA_Fe_STK_00016	0.4 mL	Fe	20 mg/L
					MEI_B_1,000_00015	20 mL	B	100 mg/L
					MEI_Zn_1,000_00014	20 mL	Zn	100 mg/L
.me-sb-stk1000_00007	12/26/26	cpi international, Lot 1435489			(Purchased Reagent)		Sb	1000 ug/mL
.MEA_Al_STK_00015	07/09/26	CPI, Lot ALM112021A1			(Purchased Reagent)		Al	10000 ug/mL
.MEA_Fe_STK_00016	03/29/26	CPI International, Lot 1421665			(Purchased Reagent)		Fe	10000 ug/mL
.MEI_B_1,000_00015	01/31/27	CPI International, Lot 1450184			(Purchased Reagent)		B	1000 ug/mL
.MEI_Zn_1,000_00014	03/05/26	CPI International, Lot 1390097			(Purchased Reagent)		Zn	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
S_8260_IS_00400	11/09/24	09/09/24	P&T Methanol, Lot 230446	20 mL	IS_STK_01787	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
.IS_STK_01787	04/30/29		Restek, Lot A0210835		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
S_8260_IS_00401	11/23/24	09/23/24	P&T Methanol, Lot 230446	20 mL	IS_STK_01792	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
.IS_STK_01792	04/30/29		Restek, Lot A0210835		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
S_8260_Surr_00490	11/09/24	09/09/24	P&T Methanol, Lot 288059	20 mL	SURR_STK_00556	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00556	02/26/25		Restek, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
S_8260_Surr_00491	11/23/24	09/23/24	P&T Methanol, Lot 288059	20 mL	SURR_STK_00558	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00558	03/23/25		Restek, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
Spike Mx 1_00006	12/10/25		CPI International, Lot 1421974		(Purchased Reagent)		As	200 ug/mL
							Ba	200 ug/mL
							Be	100 ug/mL
							Cd	100 ug/mL
							Chromium	100 ug/mL
							Co	100 ug/mL
							Cu	100 ug/mL
							Li	100 ug/mL
							Mn	100 ug/mL
							Mo	100 ug/mL
							Ni	100 ug/mL
							Pb	100 ug/mL
							Se	200 ug/mL
							Si	200 ug/mL
							SiO2	427.8 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sn	200 ug/mL
							Sr	100 ug/mL
							Ti	100 ug/mL
							Tl	200 ug/mL
							V	100 ug/mL
Spike Mx 2_00003	06/28/25	CPI International, Lot 1421976			(Purchased Reagent)		Al	1000 ug/mL
							Ca	5000 ug/mL
							Fe	1000 ug/mL
							K	5000 ug/mL
							Mg	5000 ug/mL
							Na	5000 ug/mL
Spike Mx 3_00003	10/25/25	CPI International, Lot 1269542-1			(Purchased Reagent)		P	2000 ug/mL
							Sulfur	1000 ug/mL
							U	200 ug/mL
							W	100 ug/mL
SS 8260 CORP_00116	10/12/24	08/12/24	Methanol, Lot EH471US	20 mL	SS_Ketones_00099	800 uL	2-Butanone (MEK)	500 mg/L
							2-Hexanone	500 mg/L
							4-Methyl-2-pentanone (MIBK)	500 mg/L
							Acetone	500 mg/L
					SS_MegaMix_00132	800 uL	1,1,1-Trichloroethane	100 mg/L
							1,1,2,2-Tetrachloroethane	100 mg/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 mg/L
							1,1,2-Trichloroethane	100 mg/L
							1,1-Dichloroethane	100 mg/L
							1,1-Dichloroethene	100 mg/L
							1,2,4-Trichlorobenzene	100 mg/L
							1,2-Dibromo-3-Chloropropane	100 mg/L
							1,2-Dibromoethane	100 mg/L
							1,2-Dichlorobenzene	100 mg/L
							1,2-Dichloroethane	100 mg/L
							1,2-Dichloropropane	100 mg/L
							1,3-Dichlorobenzene	100 mg/L
							1,4-Dichlorobenzene	100 mg/L
							Benzene	100 mg/L
							Bromodichloromethane	100 mg/L
							Bromoform	100 mg/L
							Carbon disulfide	100 mg/L
							Carbon tetrachloride	100 mg/L
							Chlorobenzene	100 mg/L
							Chloroform	100 mg/L
							cis-1,2-Dichloroethene	100 mg/L
							cis-1,3-Dichloropropene	100 mg/L
							Cyclohexane	100 mg/L
							Dibromochloromethane	100 mg/L
							Ethylbenzene	100 mg/L

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	100 mg/L
							Methyl acetate	200 mg/L
							Methyl tert-butyl ether	100 mg/L
							Methylcyclohexane	100 mg/L
							Methylene Chloride	100 mg/L
							Styrene	100 mg/L
							Tetrachloroethene	100 mg/L
							Toluene	100 mg/L
							trans-1,2-Dichloroethene	100 mg/L
							trans-1,3-Dichloropropene	100 mg/L
							Trichloroethene	100 mg/L
.SS_Ketones_00099	04/30/25		Restek, Lot A0184721		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.SS_MegaMix_00132	08/31/25		Restek, Lot A0195252		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Styrene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
SS GAS CORP_00592	09/11/24	09/04/24	Methanol, Lot EA832US	10 mL	SS8260-624gas_00551	400 uL	Bromomethane	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.SS8260-624gas_00551	04/30/27		Restek, Lot A0210106		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
SS GAS CORP_00593	09/18/24	09/11/24	Methanol, Lot EA832US	10 mL	SS8260-624gas_00551	400 uL	Bromomethane	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.SS8260-624gas_00551	04/30/27		Restek, Lot A0210106		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
SS GAS CORP_00594	09/24/24	09/17/24	Methanol, Lot EA832US	10 mL	SS8260-624gas_00552	400 uL	Bromomethane	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.SS8260-624gas_00552	06/17/25		Restek, Lot A0210106		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
SS GAS CORP_00595	10/01/24	09/24/24	Methanol, Lot EA832US	10 mL	SS8260-624gas_00552	400 uL	Bromomethane	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	100 ug/mL
.SS8260-624gas_00552	06/17/25		Restek, Lot A0210106		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL

Reagent

_RSK_STK_00029

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA LLC
24075 US Hwy 6
Stryker, OH 43557
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED HYDROCARBON

Customer:	EUROFINS ENVR TESTING NORTHEAST,LLC,		
Part Number:	X08HE93C3500000	Reference Number:	141-402753483-1
Cylinder Number:	RR069364	Cylinder Volume:	34.0 CF
Laboratory:	124 - Stryker (SAP) - OH	Cylinder Pressure:	118 PSIG
Analysis Date:	Jun 10, 2023	Valve Outlet:	510
Lot Number:	141-402753483-1	Expiration Date:	Jun 10, 2031

Traceability Statement: Hydrocarbon Process standards are NIST traceable either directly by weight or by comparison to Airgas laboratory standards that are directly NIST traceable by weight.

CERTIFIED CONCENTRATIONS

Component	Requested Concentration	Reported Mole %	Accuracy
ETHANE	1.000 %	0.9980 %	+/- 2%
ETHYLENE	1.000 %	1.001 %	+/- 2%
HEXANE	1.000 %	0.9997 %	+/- 2%
METHANE	1.000 %	0.9730 %	+/- 2%
N BUTANE	1.000 %	0.9768 %	+/- 2%
N PENTANE	1.000 %	0.9758 %	+/- 2%
PROPANE	1.000 %	0.9790 %	+/- 2%
HELIUM	93 %	93.0967 %	+/- 2%

Notes: Apply Proposition 65 Label - 133433-P65-2

Approved for Release

10/4/2024
12:15:34 PM

Reagent

me-sb-stk1000_00007

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

SE Std Antimony (Sb) – 1000 µg/mL

Matrix: 5% HNO_3/tr. HF

Product #: TA-100023

Product Lot #: 1435489

Source Material Lot #: N18I027

*Expiration Date: 24 December 2026

Element	Certified Concentration & Uncertainty
Sb	994.0 ± 6.0 µg/mL (w/v)
	974.0 ± 6.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.999% pure antimony (Sb) dissolved in high purity nitric acid (HNO_3), trace hydrofluoric acid (HF) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3102a, lot #140911**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	MAJOR	Te	2
Al	216	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	1	Hg	<0.5	Mn	<1	Pd	2	Se	4	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	5	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	7	Ni	<2	Rh	<0.5	Ta	1	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	10
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

3 January 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

www.cpiinternational.com

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements
  (Registrar: TUV NORD)

Reagent

ME_TA_CAL1_00024

CPI INTERNATIONAL

7778782
ID: ME_TA_CAL1_00024
Exp: 10/22/25 Prpd:

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-CAL1

ICP ICPMS CAL Mix # 1

Lot #: 1415174

Matrix: 5% HNO_3/tr. HF

*Expiration Date: 22 October 2025

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
As	100.0 ± 0.5 mg/L	Li	100.0 ± 0.5 mg/L	Si	1000 ± 5 mg/L
Ba	100.0 ± 0.5 mg/L	Mn	100.0 ± 0.5 mg/L	Sn	99.99 ± 0.50 mg/L
Be	100.0 ± 0.5 mg/L	Mo	100.0 ± 0.5 mg/L	Sr	100.0 ± 0.5 mg/L
Cd	100.0 ± 0.5 mg/L	Ni	100.0 ± 0.5 mg/L	Ti	100.0 ± 0.5 mg/L
Co	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L	Tl	100.0 ± 0.5 mg/L
Cr	100.0 ± 0.5 mg/L	Sb	100.0 ± 0.5 mg/L	V	100.0 ± 0.5 mg/L
Cu	100.0 ± 0.5 mg/L	Se	100.0 ± 0.5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
As	1338706	Li	1316990	Si	1276425
Ba	1353868	Mn	1294994	Sn	1116280
Be	1165784	Mo	1240650	Sr	1123421
Cd	1378234	Ni	1084161	Ti	1237770
Co	1375613	Pb	1382458	Tl	1222802
Cr	1361547	Sb	1162568	V	1294996
Cu	1353861	Se	1285040		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was stabilized using high purity nitric acid (HNO_3), trace hydrofluoric acid (HF) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

USA
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Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

2 November 2023
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM
Ag	3151	-
Al	3101a	-
As	3103a	3103a
Au	3121	-
B	3107	3107
Ba	3104a	-
Be	3105a	3105a
Bi	3106	3106
Br^-	3184	-
Ca	3109a	3109a
Cd	3108	-
Ce	3110	3110
Cl^-	3182	1818a
Co	3113	3113
Cr	3112a	-
Cs	3111a	-
Cu	3114	-
Dy	3115a	-
Er	3116a	-
Eu	3117a	-
F^-	3183	-
Fe	3126a	-
Ga	3119a	-
Gd	3118a	-
Ge	3120a	-

Analyte	Aq. SRM	MO SRM
Hf	3122	-
Hg	3133	3133
Ho	3123a	-
In	3124a	3124a
K	3141a	3141a
La	3127a	3127a
Li	3129a	3129a
Lu	3130a	-
Mg	3131a	3131a
Mn	3132	3132
Mo	3134	3134
Na	3152a	-
Nb	3137	-
Nd	3135a	-
Ni	3136	-
NO_3^-	3185	-
P	3139a	3139a
Pb	3128	-
Pd	3138	-
PO_4^{-3}	3186	-
Pr	3142a	-
Pt	3140	3140
Rb	3145a	-
Re	3143	-
Rh	3144	3144

Analyte	Aq. SRM	MO SRM
S	3154	2770
Sb	3102a	3102a
Sc	3148a	3148a
Se	3149	3149
Si	3150	-
Sm	3147a	-
Sn	3161a	-
SO_4^{-2}	3181	-
Sr	3153a	3153a
Ta	3155	-
Tb	3157a	-
Te	3156	-
Th	-	-
Ti	3162a	3162a
Tl	3158	3158
Tm	3160a	-
U	3164	-
V	3165	-
W	3163	3163
Y	3167a	3167a
Yb	3166a	-
Zn	3168a	3168a
Zr	3169	3169

7918260
ID: ME_TA_CAL1_00024
Exp: 02/11/26 Prpd: BMB
ICP, ICPMS Cal mix 1

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-CAL1

ICP ICPMS CAL Mix # 1

Lot #: 1437070

Matrix: 5% HNO_3/tr. HF

*Expiration Date: 11 February 2026

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
As	100.0 ± 0.5 mg/L	Li	99.99 ± 0.50 mg/L	Si	1000 ± 5 mg/L
Ba	100.0 ± 0.5 mg/L	Mn	99.99 ± 0.50 mg/L	Sn	99.99 ± 0.50 mg/L
Be	100.0 ± 0.5 mg/L	Mo	100.0 ± 0.5 mg/L	Sr	100.0 ± 0.5 mg/L
Cd	100.0 ± 0.5 mg/L	Ni	100.0 ± 0.5 mg/L	Ti	100.0 ± 0.5 mg/L
Co	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L	Tl	100.0 ± 0.5 mg/L
Cr	100.0 ± 0.5 mg/L	Sb	100.0 ± 0.5 mg/L	V	100.0 ± 0.5 mg/L
Cu	100.0 ± 0.5 mg/L	Se	100.0 ± 0.5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
As	1338706	Li	1316990	Si	1271053
Ba	1353868	Mn	1294994	Sn	1116280
Be	1396842	Mo	1240650	Sr	1387735
Cd	1378234	Ni	1348734	Ti	1318831
Co	1375613	Pb	1382458	Tl	1222802
Cr	1361547	Sb	1395096	V	1294996
Cu	1353861	Se	1396823		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was stabilized using high purity nitric acid (HNO_3), trace hydrofluoric acid (HF) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br-	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

7778781
ID: ME_TA_CAL1_00024
Exp: 02/11/26 Prpd: BMB
ICP, ICPMS Cal mix 1

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-CAL1

ICP ICPMS CAL Mix # 1

Lot #: 1437070

Matrix: 5% HNO_3/tr. HF

*Expiration Date: 11 February 2026

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
As	100.0 ± 0.5 mg/L	Li	99.99 ± 0.50 mg/L	Si	1000 ± 5 mg/L
Ba	100.0 ± 0.5 mg/L	Mn	99.99 ± 0.50 mg/L	Sn	99.99 ± 0.50 mg/L
Be	100.0 ± 0.5 mg/L	Mo	100.0 ± 0.5 mg/L	Sr	100.0 ± 0.5 mg/L
Cd	100.0 ± 0.5 mg/L	Ni	100.0 ± 0.5 mg/L	Ti	100.0 ± 0.5 mg/L
Co	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L	Tl	100.0 ± 0.5 mg/L
Cr	100.0 ± 0.5 mg/L	Sb	100.0 ± 0.5 mg/L	V	100.0 ± 0.5 mg/L
Cu	100.0 ± 0.5 mg/L	Se	100.0 ± 0.5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
As	1338706	Li	1316990	Si	1271053
Ba	1353868	Mn	1294994	Sn	1116280
Be	1396842	Mo	1240650	Sr	1387735
Cd	1378234	Ni	1348734	Ti	1318831
Co	1375613	Pb	1382458	Tl	1222802
Cr	1361547	Sb	1395096	V	1294996
Cu	1353861	Se	1396823		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

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Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

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    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
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- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br^-	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl^-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F^-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

7778781
ID: ME_TA_CAL1_00024
Exp: 02/11/26 Prpd: BMB
ICP, ICPMS Cal mix 1

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-CAL1

ICP ICPMS CAL Mix # 1

Lot #: 1437070

Matrix: 5% HNO_3/tr. HF

*Expiration Date: 11 February 2026

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
As	100.0 ± 0.5 mg/L	Li	99.99 ± 0.50 mg/L	Si	1000 ± 5 mg/L
Ba	100.0 ± 0.5 mg/L	Mn	99.99 ± 0.50 mg/L	Sn	99.99 ± 0.50 mg/L
Be	100.0 ± 0.5 mg/L	Mo	100.0 ± 0.5 mg/L	Sr	100.0 ± 0.5 mg/L
Cd	100.0 ± 0.5 mg/L	Ni	100.0 ± 0.5 mg/L	Ti	100.0 ± 0.5 mg/L
Co	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L	Tl	100.0 ± 0.5 mg/L
Cr	100.0 ± 0.5 mg/L	Sb	100.0 ± 0.5 mg/L	V	100.0 ± 0.5 mg/L
Cu	100.0 ± 0.5 mg/L	Se	100.0 ± 0.5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
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Ba	1353868	Mn	1294994	Sn	1116280
Be	1396842	Mo	1240650	Sr	1387735
Cd	1378234	Ni	1348734	Ti	1318831
Co	1375613	Pb	1382458	Tl	1222802
Cr	1361547	Sb	1395096	V	1294996
Cu	1353861	Se	1396823		

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Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br^-	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl^-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F^-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

ME_TA_CAL1_00027

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-CAL1-SS

ICP ICPMS CAL Mix # 1

Lot #: 1364863

Matrix: 5% HNO_3/tr. HF

*Expiration Date: 27 May 2025

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
As	99.98 ± 0.50 mg/L	Li	100.1 ± 0.5 mg/L	Si	1000 ± 5 mg/L
Ba	99.99 ± 0.50 mg/L	Mn	100.0 ± 0.5 mg/L	Sn	100.1 ± 0.5 mg/L
Be	100.0 ± 0.5 mg/L	Mo	99.99 ± 0.50 mg/L	Sr	100.0 ± 0.5 mg/L
Cd	100.2 ± 0.5 mg/L	Ni	100.0 ± 0.5 mg/L	Ti	100.0 ± 0.5 mg/L
Co	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L	Tl	100.1 ± 0.5 mg/L
Cr	100.0 ± 0.5 mg/L	Sb	99.99 ± 0.50 mg/L	V	99.96 ± 0.50 mg/L
Cu	100.1 ± 0.5 mg/L	Se	100.0 ± 0.5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
As	AO19-71ASX	Li	BB19-51LIX	Si	AV19-68SIX
Ba	AR19-106BAX	Mn	AR19-79MNX	Sn	AL19-75SNX
Be	AV19-119BEX	Mo	2227205	Sr	AS19-46SRX
Cd	AT19-137CDX	Ni	AV19-58NIX	Ti	2215434-500
Co	AT19-67COX	Pb	AW19-60PBX	Tl	2203113
Cr	AO19-61CRX	Sb	2301027	V	AP19-50VX
Cu	AZ19-94CUX	Se	AQ19-41SEX		

Intended Use: This solution is intended for use as a second source certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to ISO 9001, ISO 17034, and ISO/IEC 17025. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to NIST SRMs (see final page). The solution was stabilized using high purity nitric acid (HNO_3), trace hydrofluoric acid (HF) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against NIST SRMs (see final page). The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or *12 Months from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau, Certifying Officer	7 June 2023 Certification Date	Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

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This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM		Analyte	Aq. SRM	MO SRM		Analyte	Aq. SRM	MO SRM
Ag	3151	-		Hf	3122	-		S	3154	2770
Al	3101a	-		Hg	3133	3133		Sb	3102a	3102a
As	3103a	3103a		Ho	3123a	-		Sc	3148a	3148a
Au	3121	-		In	3124a	3124a		Se	3149	3149
B	3107	3107		K	3141a	3141a		Si	3150	-
Ba	3104a	-		La	3127a	3127a		Sm	3147a	-
Be	3105a	3105a		Li	3129a	3129a		Sn	3161a	-
Bi	3106	3106		Lu	3130a	-		SO_4^{-2}	3181	-
Br^-	3184	-		Mg	3131a	3131a		Sr	3153a	3153a
Ca	3109a	3109a		Mn	3132	3132		Ta	3155	-
Cd	3108	-		Mo	3134	3134		Tb	3157a	-
Ce	3110	3110		Na	3152a	-		Te	3156	-
Cl^-	3182	1818a		Nb	3137	-		Th	-	-
Co	3113	3113		Nd	3135a	-		Ti	3162a	3162a
Cr	3112a	-		Ni	3136	-		Tl	3158	3158
Cs	3111a	-		NO_3^-	3185	-		Tm	3160a	-
Cu	3114	-		P	3139a	3139a		U	3164	-
Dy	3115a	-		Pb	3128	-		V	3165	-
Er	3116a	-		Pd	3138	-		W	3163	3163
Eu	3117a	-		PO_4^{-3}	3186	-		Y	3167a	3167a
F-	3183	-		Pr	3142a	-		Yb	3166a	-
Fe	3126a	-		Pt	3140	3140		Zn	3168a	3168a
Ga	3119a	-		Rb	3145a	-		Zr	3169	3169
Gd	3118a	-		Re	3143	-				
Ge	3120a	-		Rh	3144	3144				

Reagent

MEA_Al_STK_00015

7802881
ID: MEA_Al_STK_00015
Exp: 07/09/25 Prpd:
Aluminum stock, 10,000 µg

Rec. 2/7/24

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

SE Std Aluminum (Al) – 10,000 µg/mL

Matrix: 5% HNO_3

Product #: TA-10M11

Product Lot #: 1427322

Source Material Lot #: ALM112021A1

*Expiration Date: 9 July 2026

Element	Certified Concentration & Uncertainty
Al	10,025 ± 37 µg/mL (w/v)
	9400 ± 34 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 10,000 µg/mL by gravimetric methods using 99.999% pure aluminum nitrate [$Al(NO_3)_3$] dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3101a, lot #140903**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	15	Te	<10
Al	MAJOR	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	28	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	12
Ba	11	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<5	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	361	La	<5	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	296	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

25 July 2023
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MEA_Cr_STK_00011

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

SE Std Chromium (Cr) – 1000 µg/mL

Matrix: 5% HNO_3

Product #: TA-1000121

Product Lot #: 1430567

Source Material Lot #: M07F002/Z29H032

*Expiration Date: 12 November 2026

Element	Certified Concentration & Uncertainty
Cr	1003 ± 3 µg/mL (w/v)
	994.0 ± 3.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.996% pure chromium (Cr) dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3112a, lot #170630**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	50	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	26	Cs	0.7	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	MAJOR	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	7	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	18	Er	<0.2	Ir	<0.2	Nb	3	Rb	2	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	101	La	<0.5	Ni	30	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	23
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

28 November 2023
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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The Netherlands

www.cpiinternational.com

Reagent

MEA_Fe_STK_00016

Rec 2/7/24

7802882
ID: MEA_Fe_STK_00016
Exp: 03/29/26 Prpd:
Iron stock, 10,000 ug/mL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

SE Std Iron (Fe) – 10,000 µg/mL

Matrix: 5% HNO_3

Product #: TA-10M261

Product Lot #: 1421665

Source Material Lot #: FED052022A1

*Expiration Date: 29 March 2026

Element	Certified Concentration & Uncertainty
Fe	10,030 ± 39 µg/mL (w/v)
	9631 ± 37 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 10,000 µg/mL by gravimetric methods using 99.999% pure iron nitrate nonahydrate [$Fe(NO_3)_3$] dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3126a, lot #140812**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	18	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	9	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	<10
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	MAJOR	La	<5	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	11	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

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Chuck Goudreau

Chuck Goudreau, Certifying Officer

12 April 2023
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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The Netherlands

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MegaMix_00232

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Mega Mix
CERTIFIED REFERENCE MATERIAL
232-241

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0203458

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7	SHBQ1495	99%	2,515.0 µg/mL	+/- 86.9068
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00016133	99%	2,518.8 µg/mL	+/- 87.0364
3	1,1-dichloroethene	75-35-4	SHBG8609V	99%	2,516.3 µg/mL	+/- 86.9500
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,095.0 µg/mL	+/- 867.1659
5	Methyl acetate	79-20-9	SHBP3100	99%	5,016.4 µg/mL	+/- 173.3427
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	2,517.4 µg/mL	+/- 86.9888
7	Allyl chloride (3-chloropropene)	107-05-1	RD230914ECS	99%	2,515.9 µg/mL	+/- 86.9370
8	Methylene chloride (dichloromethane)	75-09-2	SHBQ6376	99%	2,513.8 µg/mL	+/- 86.8636
9	Carbon disulfide	75-15-0	Q30J743	99%	2,512.9 µg/mL	+/- 86.8333
10	Acrylonitrile	107-13-1	102466R02E	99%	25,031.9 µg/mL	+/- 864.9846
11	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	2,513.8 µg/mL	+/- 86.8636
12	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	2,514.0 µg/mL	+/- 86.8722
13	n-Hexane (C6)	110-54-3	STBG6381	99%	2,520.3 µg/mL	+/- 87.0882
14	1,1-Dichloroethane	75-34-3	852900	99%	2,514.0 µg/mL	+/- 86.8722
15	2,2-Dichloropropane	594-20-7	RD230426	99%	2,521.3 µg/mL	+/- 87.1227
16	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	2,514.9 µg/mL	+/- 86.9025

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,561.0	µg/mL	+/- 2,161.8157
18	chloroform	67-66-3	SHBN8469	99%	2,513.6	µg/mL	+/- 86.8593
19	Bromochloromethane	74-97-5	230810JLM	99%	2,513.5	µg/mL	+/- 86.8549
20	Tetrahydrofuran	109-99-9	SHBQ8516	99%	5,020.9	µg/mL	+/- 173.4982
21	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	2,513.5	µg/mL	+/- 86.8549
22	Cyclohexane	110-82-7	MKCQ2001	99%	2,513.5	µg/mL	+/- 86.8549
23	1,1-Dichloropropene	563-58-6	230825JLM	99%	2,514.3	µg/mL	+/- 86.8809
24	carbon tetrachloride	56-23-5	SHBP4875	99%	2,513.0	µg/mL	+/- 86.8377
25	n-Heptane (C7)	142-82-5	044743T01D	99%	2,515.4	µg/mL	+/- 86.9197
26	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	2,513.5	µg/mL	+/- 86.8549
27	Benzene	71-43-2	MKCS3357	99%	2,513.4	µg/mL	+/- 86.8506
28	Trichloroethene	79-01-6	SHBN3720	99%	2,513.6	µg/mL	+/- 86.8593
29	Methylcyclohexane	108-87-2	SHBN1699	99%	2,514.8	µg/mL	+/- 86.8981
30	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	2,514.9	µg/mL	+/- 86.9025
31	1,4-Dioxane	123-91-1	SHBQ2407	99%	50,131.4	µg/mL	+/- 1,732.3059
32	Dibromomethane	74-95-3	10233302	99%	2,514.6	µg/mL	+/- 86.8938
33	cis-1,3-Dichloropropene	10061-01-5	RD230406RSR	99%	2,513.5	µg/mL	+/- 86.8549
34	Toluene	108-88-3	MKCS9989	99%	2,512.9	µg/mL	+/- 86.8333
35	Ethyl methacrylate	97-63-2	MKCN6206	97%	2,508.3	µg/mL	+/- 86.6752
36	trans-1,3-Dichloropropene	10061-02-6	RD220816	99%	2,512.9	µg/mL	+/- 86.8333
37	1,1,2-Trichloroethane	79-00-5	FGB01	99%	2,513.5	µg/mL	+/- 86.8549
38	1,3-Dichloropropane	142-28-9	BCCH5357	99%	2,514.1	µg/mL	+/- 86.8765
39	Tetrachloroethene	127-18-4	SHBQ0051	99%	2,514.0	µg/mL	+/- 86.8722
40	dibromochloromethane	124-48-1	MKCQ4517	99%	2,512.9	µg/mL	+/- 86.8333
41	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	2,515.0	µg/mL	+/- 86.9068
42	Chlorobenzene	108-90-7	SHBN6640	99%	2,515.0	µg/mL	+/- 86.9068
43	m-Xylene	108-38-3	SHBN6673	99%	1,254.8	µg/mL	+/- 43.3584
44	p-Xylene	106-42-3	SHBP5191	99%	1,257.0	µg/mL	+/- 43.4361
45	Ethylbenzene	100-41-4	094632L21G	99%	2,514.1	µg/mL	+/- 86.8765
46	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	2,514.9	µg/mL	+/- 86.9025
47	o-Xylene	95-47-6	50069309	99%	2,514.0	µg/mL	+/- 86.8722
48	Styrene	100-42-5	MKCQ3390	99%	2,514.0	µg/mL	+/- 86.8722
49	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	2,514.1	µg/mL	+/- 86.8765
50	bromoform	75-25-2	050494L04R	99%	2,515.3	µg/mL	+/- 86.9154
51	bromodichloromethane	75-27-4	MKCF8470	99%	2,512.5	µg/mL	+/- 86.8204
52	1,1,2,2-Tetrachloroethane	79-34-5	QQJ41	99%	2,515.3	µg/mL	+/- 86.9154

53	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	2,513.5	µg/mL	+/- 86.8534
54	trans-1,4-dichloro-2-butene	110-57-6	RD230720RSR	94%	2,504.7	µg/mL	+/- 86.5525
55	n-Propylbenzene	103-65-1	G08M	98%	2,511.4	µg/mL	+/- 86.7814
56	Bromobenzene	108-86-1	MKCQ7174	99%	2,514.8	µg/mL	+/- 86.8981
57	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	2,513.8	µg/mL	+/- 86.8636
58	2-Chlorotoluene	95-49-8	235783M23T	99%	2,514.8	µg/mL	+/- 86.8981
59	4-Chlorotoluene	106-43-4	BCCG9286	99%	2,514.9	µg/mL	+/- 86.9025
60	tert-Butylbenzene	98-06-6	STBJ1937	99%	2,514.0	µg/mL	+/- 86.8722
61	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	2,515.9	µg/mL	+/- 86.9370
62	sec-Butylbenzene	135-98-8	MKCP2266	99%	2,515.3	µg/mL	+/- 86.9154
63	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	2,514.9	µg/mL	+/- 86.9025
64	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,515.3	µg/mL	+/- 86.9154
65	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,514.9	µg/mL	+/- 86.9025
66	n-Butylbenzene	104-51-8	09418JJ	99%	2,514.5	µg/mL	+/- 86.8895
67	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	2,514.3	µg/mL	+/- 86.8809
68	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	2,510.4	µg/mL	+/- 86.7464
69	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	2,514.9	µg/mL	+/- 86.9025
70	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	2,510.0	µg/mL	+/- 86.7349
71	Naphthalene	91-20-3	STBL1057	99%	2,514.3	µg/mL	+/- 86.8809
72	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	2,514.1	µg/mL	+/- 86.8765

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

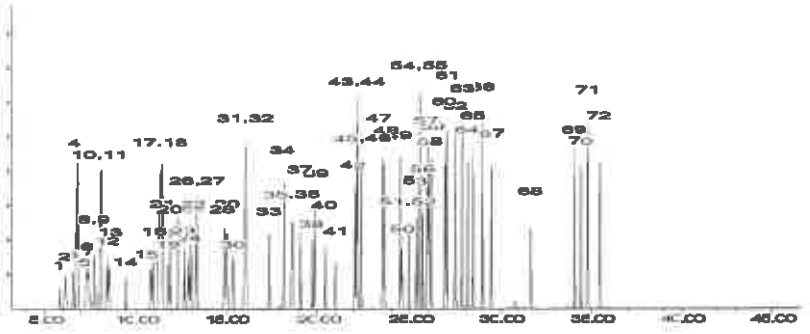
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
20.0 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 22-Oct-2023 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 08-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MEI_ABpt1_STK_00006

7791229
ID: MEI_ABpt1_STK_00006
Exp: 09/30/25 Prpd: NZG
CPI ICP ICSAB MIX sol 1 S

8

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSAB-1

ICP ICSAB Mix Solution 1

Lot #: 1399525

Matrix: 5% HNO_3/0.5% HF

*Expiration Date: 30 June 2025

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Mo	100.1 ± 0.5 mg/L	Si	1000 ± 5 mg/L	Ti	100.1 ± 0.5 mg/L
Sb	100.2 ± 0.5 mg/L	Sn	100.3 ± 0.5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Mo	1240650	Si	1289108	Ti	1091371
Sb	1162568	Sn	1116280		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was diluted with filtered (0.22 µm), 18 M-ohm deionized water and stabilized the appropriate high-purity acid(s) as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***18 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

11 September 2023
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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The Netherlands

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CERTIFICATE OF ANALYSIS

Single-Element Aqueous RM

Thorium (Th) – 1000 µg/mL

Matrix: 2% HNO_3

Product #: S4400-1000591

Lot #: 1446012

*Expiration Date: 23 October 2025

Element	Certified Concentration & Uncertainty
Th	1001 ± 5 µg/mL (w/v)
	982.0 ± 5.0 µg/g (w/w)

Intended Use: This solution is intended for use as a reference material (RM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This RM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This RM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using pure thorium nitrate [$Th(NO_3)_4$]. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this RM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable method against an alternate lot as NIST SRM is not available. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	2	Te	<1		
Al	6	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2		
As	<2	Cr	2	Hg	<0.5	Mn	39	Pd	1	Se	<2	Tl	<0.5		
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	0.6	Si	<100	Tm	<0.2		
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1		
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	0.9	Sn	<0.5	W	<0.5		
Bi	<0.2	Eu	<0.2	K	<25	Nd	2	Re	2	Sr	<1	Y	<0.5		
Ca	<25	Fe	<10	La	2	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2		
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	<2		
Ce	5	Gd	<0.2												

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the RM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original RM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

5 May 2022
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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Reagent

MEI_ABpt2_STK_00005

7791230
ID: MEI_ABpt2_STK_00005
Exp: 10/21/25 Prpd: NZG
CPI ICP ICSAB MIX sol 2 S

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSAB-2

ICP ICSAB Mix Solution 2

Lot #: 1333445-1

Matrix: 5% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Ag	100.0 ± 0.5 mg/L	Cr	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L
As	99.94 ± 0.50 mg/L	Cu	100.0 ± 0.5 mg/L	Se	100.0 ± 0.5 mg/L
B	1000 ± 5 mg/L	K	1000 ± 5 mg/L	Sr	100.0 ± 0.5 mg/L
Ba	99.99 ± 0.50 mg/L	Mn	100.0 ± 0.5 mg/L	Tl	100.0 ± 0.5 mg/L
Be	50.02 ± 0.25 mg/L	Na	1000 ± 5 mg/L	V	100.1 ± 0.5 mg/L
Cd	99.99 ± 0.50 mg/L	Ni	100.0 ± 0.5 mg/L	Zn	99.98 ± 0.50 mg/L
Co	100.0 ± 0.5 mg/L	P	1000 ± 5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Ag	1198373	Cr	1242583	Pb	992969
As	AN18-150ASX	Cu	1207839	Se	1285040
B	1237794	K	1287603	Sr	1244946
Ba	1216157	Mn	1136846	Tl	1059794
Be	1270256	Na	1245609	V	1139942
Cd	1240656	Ni	1084161	Zn	1149838
Co	1237802	P	1035677		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2

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CPI INTERNATIONAL

7791231
ID: MEI_ABpt2_STK_00005
Exp: 10/21/25 Prpd: NZG
CPI ICP ICSAB MIX sol 2 S

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSAB-2

ICP ICSAB Mix Solution 2

Lot #: 1333445-1

Matrix: 5% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Ag	100.0 ± 0.5 mg/L	Cr	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L
As	99.94 ± 0.50 mg/L	Cu	100.0 ± 0.5 mg/L	Se	100.0 ± 0.5 mg/L
B	1000 ± 5 mg/L	K	1000 ± 5 mg/L	Sr	100.0 ± 0.5 mg/L
Ba	99.99 ± 0.50 mg/L	Mn	100.0 ± 0.5 mg/L	Tl	100.0 ± 0.5 mg/L
Be	50.02 ± 0.25 mg/L	Na	1000 ± 5 mg/L	V	100.1 ± 0.5 mg/L
Cd	99.99 ± 0.50 mg/L	Ni	100.0 ± 0.5 mg/L	Zn	99.98 ± 0.50 mg/L
Co	100.0 ± 0.5 mg/L	P	1000 ± 5 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Ag	1198373	Cr	1242583	Pb	992969
As	AN18-150ASX	Cu	1207839	Se	1285040
B	1237794	K	1287603	Sr	1244946
Ba	1216157	Mn	1136846	Tl	1059794
Be	1270256	Na	1245609	V	1139942
Cd	1240656	Ni	1084161	Zn	1149838
Co	1237802	P	1035677		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

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Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM
Ag	3151	-
Al	3101a	-
As	3103a	3103a
Au	3121	-
B	3107	3107
Ba	3104a	-
Be	3105a	3105a
Bi	3106	3106
Br	3184	-
Ca	3109a	3109a
Cd	3108	-
Ce	3110	3110
Cl	3182	1818a
Co	3113	3113
Cr	3112a	-
Cs	3111a	-
Cu	3114	-
Dy	3115a	-
Er	3116a	-
Eu	3117a	-
F-	3183	-
Fe	3126a	-
Ga	3119a	-
Gd	3118a	-
Ge	3120a	-

Analyte	Aq. SRM	MO SRM
Hf	3122	-
Hg	3133	3133
Ho	3123a	-
In	3124a	3124a
K	3141a	3141a
La	3127a	3127a
Li	3129a	3129a
Lu	3130a	-
Mg	3131a	3131a
Mn	3132	3132
Mo	3134	3134
Na	3152a	-
Nb	3137	-
Nd	3135a	-
Ni	3136	-
NO_3-	3185	-
P	3139a	3139a
Pb	3128	-
Pd	3138	-
PO_4^{-3}	3186	-
Pr	3142a	-
Pt	3140	3140
Rb	3145a	-
Re	3143	-
Rh	3144	3144

Analyte	Aq. SRM	MO SRM
S	3154	2770
Sb	3102a	3102a
Sc	3148a	3148a
Se	3149	3149
Si	3150	-
Sm	3147a	-
Sn	3161a	-
SO_4^{-2}	3181	-
Sr	3153a	3153a
Ta	3155	-
Tb	3157a	-
Te	3156	-
Th	-	-
Ti	3162a	3162a
Tl	3158	3158
Tm	3160a	-
U	3164	-
V	3165	-
W	3163	3163
Y	3167a	3167a
Yb	3166a	-
Zn	3168a	3168a
Zr	3169	3169

Reagent

MEI_Adj_A_STK_00012

CPI INTERNATIONAL

7534547
ID: MEI_Adj_A_STK_00012
Exp: 11/01/24 Prpd:
CPI ICP ICSA MIX _

7534546
ID: MEI_Adj_A_STK_00012
Exp: 11/01/24 Prpd:
CPI ICP ICSA MIX _

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSA

ICP ICSA Mix

Lot #: 1336399-1

Matrix: 5% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	5000 ± 25 mg/L	Fe	2000 ± 10 mg/L
Ca	5000 ± 25 mg/L	Mg	5000 ± 25 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #
Al	1249289	Fe	1249266
Ca	1232112	Mg	1222806

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	1	Fe	MAJOR	Sb	10
Al	MAJOR	Hg	<0.5	Se	<2
As	<0.5	K	56	Sn	2
Ba	14	Li	<2	Sr	22
Be	<0.5	Mg	MAJOR	Th	<0.5
Ca	MAJOR	Mn	13	Ti	7
Cd	<0.5	Mo	2	Tl	<0.5
Co	7	Na	786	U	0.8
Cr	21	Ni	4	V	<2
Cu	4	Pb	3	Zn	20

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The Netherlands

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Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
  - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

7534547
ID: MEI_Adj_A_STK_00012
Exp: 11/01/24 Prod: vAK
CPI ICP ICSA MIX

TA-ICP-ICSA

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICP-ICSA

ICP ICSA Mix

Lot #: 1437074

Matrix: 5% HNO_3

*Expiration Date: 12 January 2026

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	5000 ± 25 mg/L	Fe	2000 ± 10 mg/L
Ca	5000 ± 25 mg/L	Mg	5000 ± 25 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #
Al	1369281	Fe	1249266
Ca	1344004	Mg	1222806

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side).** The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side).** The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Fe	MAJOR	Sb	<0.5
Al	MAJOR	Hg	<0.5	Se	<2
As	<0.5	K	<50	Sn	<0.5
Ba	23	Li	<2	Sr	34
Be	<0.5	Mg	MAJOR	Th	<0.5
Ca	MAJOR	Mn	11	Ti	<2
Cd	<0.5	Mo	<0.5	Tl	<0.5
Co	<0.5	Na	<50	U	<0.5
Cr	<1	Ni	<1	V	<2
Cu	<1	Pb	<0.5	Zn	<2

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The Netherlands

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM
Ag	3151	-
Al	3101a	-
As	3103a	3103a
Au	3121	-
B	3107	3107
Ba	3104a	-
Be	3105a	3105a
Bi	3106	3106
Br^-	3184	-
Ca	3109a	3109a
Cd	3108	-
Ce	3110	3110
Cl^-	3182	1818a
Co	3113	3113
Cr	3112a	-
Cs	3111a	-
Cu	3114	-
Dy	3115a	-
Er	3116a	-
Eu	3117a	-
F^-	3183	-
Fe	3126a	-
Ga	3119a	-
Gd	3118a	-
Ge	3120a	-

Analyte	Aq. SRM	MO SRM
Hf	3122	-
Hg	3133	3133
Ho	3123a	-
In	3124a	3124a
K	3141a	3141a
La	3127a	3127a
Li	3129a	3129a
Lu	3130a	-
Mg	3131a	3131a
Mn	3132	3132
Mo	3134	3134
Na	3152a	-
Nb	3137	-
Nd	3135a	-
Ni	3136	-
NO_3^-	3185	-
P	3139a	3139a
Pb	3128	-
Pd	3138	-
PO_4^{-3}	3186	-
Pr	3142a	-
Pt	3140	3140
Rb	3145a	-
Re	3143	-
Rh	3144	3144

Analyte	Aq. SRM	MO SRM
S	3154	2770
Sb	3102a	3102a
Sc	3148a	3148a
Se	3149	3149
Si	3150	-
Sm	3147a	-
Sn	3161a	-
SO_4^{-2}	3181	-
Sr	3153a	3153a
Ta	3155	-
Tb	3157a	-
Te	3156	-
Th	-	-
Ti	3162a	3162a
Tl	3158	3158
Tm	3160a	-
U	3164	-
V	3165	-
W	3163	3163
Y	3167a	3167a
Yb	3166a	-
Zn	3168a	3168a
Zr	3169	3169

Reagent

MEI_Ag_1,000_00015

Agilent

7918069
ID: MEI_Ag_1,000_00015
Exp: 03/08/2[illegible] Prpd:
CPI Ag 1,000 Std

CERTIFICATE OF ANALYSIS

Agilent Product Name: Silver AA Standard: 1000 µg/mL Ag in 5% HNO_3
Agilent Part No: 5190-8309
Lot No: 1436096

Product Specifications

Analyte	Matrix	Certified Concentration
Ag	5% HNO_3	994.0 ± 3.0 µg/mL (w/v)
		988.0 ± 3.0 µg/g (w/w)

Storage Conditions: Store at Room Temperature (15°C to 30°C)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for atomic absorption spectroscopy (flame AAS or graphite furnace AAS), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034**, **ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using an appropriate concentrate dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3151, lot #160729. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Date of Release:
24 March 2023

Date of Expiration:
Earlier of 8 March 2026 or 12 Months from Date opened.

Date Opened: _____

Sample lot approver:
Chuck Goudreau

Chuck Goudreau, Certifying Officer

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

MEI_B_1,000_00015

8039838
ID: MEI_B_1,000_00015
Exp: 01/31/27 Prpd:
CPI B 1,000 Std

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

SE Std Boron (B) – 1000 µg/mL

Matrix: H_2O

Product #: TA-100074

Product Lot #: 1450184

Source Material Lot #: R20F050/X19H024

*Expiration Date: 31 January 2027

Element	Certified Concentration & Uncertainty
B	1004 ± 3 µg/mL (w/v)
	1006 ± 3 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.9995% pure boric acid (H_3BO_3) dissolved and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3107, lot #190605**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	35	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	MAJOR	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	2	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

16 February 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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Reagent

MEI_Zn_1,000_00014

Rec 6/18/24

7970935
ID: MEI_Zn_1,000_00014
Exp: 03/05/26 Prpd:
CPI Zn 1,000 Std

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

SE Std Zinc (Zn) – 1000 µg/mL

Matrix: 5% HNO_3

Product #: TA-1000681

Lot #: 1398666

Source Material Lot #: Y28D045

*Expiration Date: 5 March 2026

Element	Certified Concentration & Uncertainty
Zn	998.0 ± 5.0 µg/mL (w/v)
	986.0 ± 5.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.9999% pure zinc (Zn) dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3168a, lot #120629**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	MAJOR
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

21 March 2023
Certification Date

Date Opened

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Rec 4/18/24

7970936
ID: MEI_Zn_1,000_00014
Exp: 03/05/26 Prpd:
CPI Zn 1,000 Std

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

SE Std Zinc (Zn) – 1000 µg/mL

Matrix: 5% HNO_3

Product #: TA-1000681

Lot #: 1398666

Source Material Lot #: Y28D045

*Expiration Date: 5 March 2026

Element	Certified Concentration & Uncertainty
Zn	998.0 ± 5.0 µg/mL (w/v)
	986.0 ± 5.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.9999% pure zinc (Zn) dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3168a, lot #120629**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	MAJOR
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

21 March 2023
Certification Date

Date Opened

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Rec 10/18/24

7970937
ID: MEI_Zn_1,000_00014
Exp: 03/05/26 Prpd:
CPI Zn 1,000 Std

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

SE Std Zinc (Zn) – 1000 µg/mL

Matrix: 5% HNO_3

Product #: TA-1000681

Lot #: 1390097

Source Material Lot #: Y28D045

*Expiration Date: 5 March 2026

Element	Certified Concentration & Uncertainty
Zn	998.0 ± 5.0 µg/mL (w/v)
	986.0 ± 5.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.9999% pure zinc (Zn) dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3168a, lot #120629.** The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	MAJOR
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

21 March 2023
Certification Date

Date Opened

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The Netherlands

Reagent

MV_BFB_STK_00095

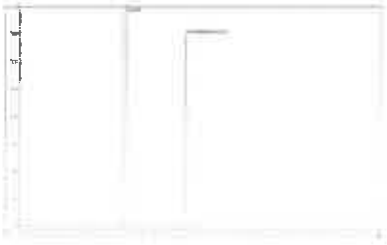
BFB 095-099

Supelco

www.sigmaaldrich.com
Document 20550009 Version 2.0

Certificate of Analysis - Certified Reference Material

4-Bromofluorobenzene solution



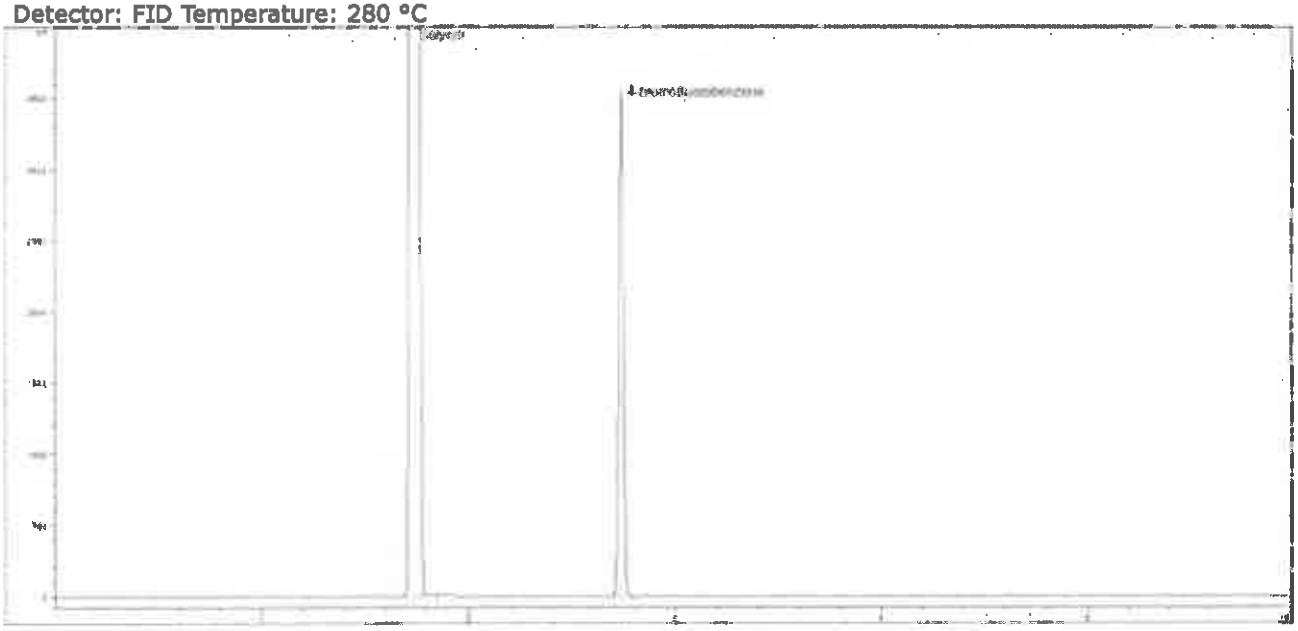
Product no.: 48800
Lot no.: LRAD6467
Expiry Date: November 2026
Manufacturing Date: November 2023
Storage: ROOM TEMPERATURE (2 °C to 30 °C)
Solvent/Matrix: METHANOL
Certificate version: LRAD6467.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*

Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
4-BROMOFLUOROBENZENE CAS# 460-00-4	25000 ± 786	µg/mL	99.9	LB48377

ASSAY Method

METHOD: GC (IN-HOUSE)
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness
Carrier Gas: H2 Flow Rate: 4.0 mL/min
Inlet Temperature: 160 °C Injection Volume: 1 µL
Injection Mode: Split Ratio: 35:1
Temperature Program: 120 °C (Hold 0 min) @ 20 °C/min to 180 °C (Hold 3 min)
Detector: FID Temperature: 280 °C



Elution details:

EO	TIME	ANALYTE
1	2.74	4-bromofluorobenzene

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Metrological traceability:	Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
Measurement method:	Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.
Intended use:	Intended for R&D and Analytical Use only. Not for drug, household or other uses.
Minimum sample size:	1 µL
Packaging:	1 mL in amber ampule
Instructions for handling and correct use:	Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.
Health and safety information:	All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.
Accreditation:	Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.
Certificate issue date:	10 NOV 2023

Andy Ommen - QC Manager

Scott Stetler - QA Manager

Details on metrological traceability:	This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.
Associated uncertainty:	Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. If k is not provided, assume a value of 2.0. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows: $U_{crm} = \left(\sqrt{u^2_{characterisation} + u^2_{homogeneity} + u^2_{stability}}\right) \times k$
Homogeneity assessment:	Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment: Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial evaluation.

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAD6467.01	10 NOV 2023	Original release date

Disclaimer: The purchaser is required to determine the suitability of this product for any particular application. Sigma-Aldrich RTC makes no warranty of any kind, express or implied, other than its products meet all quality control standards set by Sigma-Aldrich RTC. We do not guarantee that the product can be used for any particular application.

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The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the US and Canada.

Reagent

Spike Mx 1_00006

8058436
ID: Spike Mx 1_00006
Exp: 12/10/25 Prod:
Metals spike mix #1

rec 09/03/24

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-SPIKE1+

Spike Mix # 1

Lot #: 1421974

Matrix: 5% HNO_3/tr. HF

*Expiration Date: 10 December 2025

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
As	200.0 ± 1.0 mg/L	Li	100.0 ± 0.5 mg/L	Sn	200.0 ± 1.0 mg/L
Ba	200.0 ± 1.0 mg/L	Mn	100.0 ± 0.5 mg/L	Sr	100.0 ± 0.5 mg/L
Be	100.0 ± 0.5 mg/L	Mo	100.0 ± 0.5 mg/L	Ti	100.0 ± 0.5 mg/L
Cd	100.0 ± 0.5 mg/L	Ni	100.0 ± 0.5 mg/L	Tl	200.0 ± 1.0 mg/L
Co	100.0 ± 0.5 mg/L	Pb	100.0 ± 0.5 mg/L	V	100.0 ± 0.5 mg/L
Cr	100.0 ± 0.5 mg/L	Se	200.0 ± 1.0 mg/L		
Cu	100.0 ± 0.5 mg/L	Si	200.0 ± 1.0 mg/L		

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
As	1338706	Li	1316990	Sn	1116280
Ba	1353868	Mn	1294994	Sr	1244946
Be	1165784	Mo	1120495	Ti	1279907
Cd	1378234	Ni	1084161	Tl	1222802
Co	1375613	Pb	1382458	V	1294996
Cr	1361547	Se	1396823		
Cu	1353861	Si	1386111		

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see last page)**. The solution was stabilized using high purity nitric acid (HNO_3), trace hydrofluoric acid (HF) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

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The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM
Ag	3151	-
Al	3101a	-
As	3103a	3103a
Au	3121	-
B	3107	3107
Ba	3104a	-
Be	3105a	3105a
Bi	3106	3106
Br^-	3184	-
Ca	3109a	3109a
Cd	3108	-
Ce	3110	3110
Cl^-	3182	1818a
Co	3113	3113
Cr	3112a	-
Cs	3111a	-
Cu	3114	-
Dy	3115a	-
Er	3116a	-
Eu	3117a	-
F^-	3183	-
Fe	3126a	-
Ga	3119a	-
Gd	3118a	-
Ge	3120a	-

Analyte	Aq. SRM	MO SRM
Hf	3122	-
Hg	3133	3133
Ho	3123a	-
In	3124a	3124a
K	3141a	3141a
La	3127a	3127a
Li	3129a	3129a
Lu	3130a	-
Mg	3131a	3131a
Mn	3132	3132
Mo	3134	3134
Na	3152a	-
Nb	3137	-
Nd	3135a	-
Ni	3136	-
NO_3^-	3185	-
P	3139a	3139a
Pb	3128	-
Pd	3138	-
PO_4^{-3}	3186	-
Pr	3142a	-
Pt	3140	3140
Rb	3145a	-
Re	3143	-
Rh	3144	3144

Analyte	Aq. SRM	MO SRM
S	3154	2770
Sb	3102a	3102a
Sc	3148a	3148a
Se	3149	3149
Si	3150	-
Sm	3147a	-
Sn	3161a	-
SO_4^{-2}	3181	-
Sr	3153a	3153a
Ta	3155	-
Tb	3157a	-
Te	3156	-
Th	-	-
Ti	3162a	3162a
Tl	3158	3158
Tm	3160a	-
U	3164	-
V	3165	-
W	3163	3163
Y	3167a	3167a
Yb	3166a	-
Zn	3168a	3168a
Zr	3169	3169

Reagent

Spike Mx 2_00003

7909: 78
ID: Spike Mx 2_00003
Exp: 06/28/. 5 Prpd:
Metals spike mix #2

rec 5/2/24

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-SPIKE2

Spike Mix # 2

Lot #: 1421976

Matrix: 5% HNO_3

*Expiration Date: 28 June 2025

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	1000 ± 5 mg/L	Fe	1000 ± 5 mg/L	Mg	5000 ± 25 mg/L
Ca	5000 ± 25 mg/L	K	5000 ± 25 mg/L	Na	5000 ± 25 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Al	1369281	Fe	1249266	Mg	1222806
Ca	1344004	K	1367374	Na	1369048

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to, **ISO 17034**, **ISO/IEC 17025** and **ISO 9001**.This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

5 January 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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The Netherlands

Reagent

Spike Mx 3_00003

7909279
ID: Spike Mx 3_00003
Exp: 10/25/25 Prpd:
Metals spike mix #3

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

rec 4/29/24

Multi-Element Aqueous CRM

Product #: TA-SPIKE3

Spike Mix # 3

Lot #: 1269542-1

Matrix: 5% HNO_3/tr. HF

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
P	2000 ± 10 mg/L	U	200.0 ± 1.0 mg/L
S	1000 ± 5 mg/L	W	100.0 ± 0.5 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #
P	1225600	U	1176531
S	1207779	W	1130700

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see reverse side)**. The solution was stabilized using high purity nitric acid (HNO_3), trace hydrofluoric acid (HF) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see reverse side)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

April 25, 2024
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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Reagent

SURR_STK_00554

Surr Std 554-558

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0211048

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,502.2 µg/mL	+/- 140.5627
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,501.3 µg/mL	+/- 140.5094
3	Toluene-d8	2037-26-5	PR-34141	99%	2,502.8 µg/mL	+/- 140.5965
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,501.6 µg/mL	+/- 140.5262

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

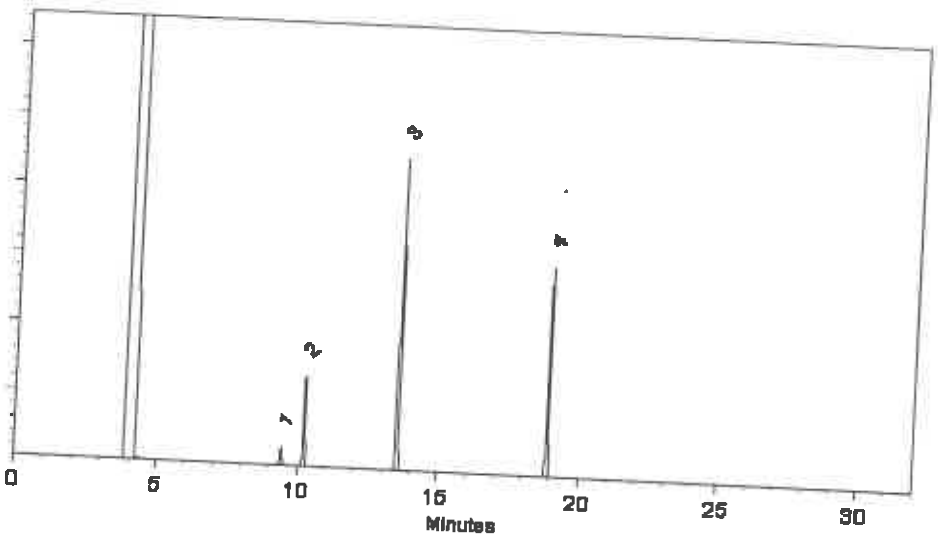
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I **Date Mixed:** 03-May-2024 **Balance Serial #** 1128342314

Jennifer Polino - Operations Tech III - ARM QC **Date Passed:** 06-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

WC_STD_HEX_00012

69 54163

Certificate of Analysis

Product Name: Custom Standard

Product Number: ICP-024A

Lot Issue Date: 30-Nov-2020

Lot Number: 0006572479

Expiration Date: 31-Dec-2027

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system. The analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	Starting Material	Lot Number	Purity (%)	Analyte Concentration	Traceability and Method
chromium (VI)	ammonium dichromate	RM13408	99.999	1001 ± 2 µg/mL	NIST SRM 3112a; ICP-OES

Solvent: water (low TOC, < 50 ppb)

Non-Certified Values:

Density: 0.9995 g/mL @ 20.00 ± 0.05°C

Trace Metallic Impurities in Solution Standard in µg/mL:

*	Al	<0.005	ND	*	Ga	<0.005	ND	n	Nb			n	S				
*	Sb	<0.005	ND	n	Ge			n	Os			n	Ta				
*	As	<0.005	ND	n	Au			*	Pd	<0.005	ND	n	Te				
*	Ba	<0.005	ND	n	Hf			*	P	<0.005	ND	n	Tb				
*	Be	<0.005	ND	n	Ho			*	Pt	<0.005	ND	*	Tl	<0.005	ND		
*	Bi	<0.005	ND	*	In	<0.005	ND	*	K	<0.005	D	n	Th				
*	B	<0.005	ND	n	Ir			n	Pr			n	Tm				
*	Cd	<0.005	ND	*	Fe	<0.005	ND	n	Re			*	Sn	<0.005	ND		
n	Cs			*	La	<0.005	ND	n	Rh			*	Ti	<0.005	ND		
*	Ca	<0.005	D	*	Pb	<0.005	ND	n	Rb			n	W				
n	Ce			*	Li	<0.005	ND	n	Ru			n	U				
s	Cr			n	Lu			n	Sm			*	V	<0.005	ND		
*	Co	<0.005	ND	*	Mg	<0.005	ND	n	Sc			n	Yb				
*	Cu	<0.005	ND	*	Mn	<0.005	ND	*	Se	<0.005	ND	n	Y				
n	Dy			*	Hg	<0.005	ND	*	Si	<0.005	ND	*	Zn	<0.005	ND		
*	Er	<0.005	ND	*	Mo	<0.005	ND	*	Ag	<0.005	ND	n	Zr				
*	Eu	<0.005	ND	n	Nd			*	Na	<0.017	D						
*	Gd	<0.005	ND	*	Ni	<0.005	ND	*	Sr	<0.005	ND						

* - element checked for
n - not checked for
s - standard element
D - detected
ND - not detected
i - spectral interference

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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CSD-QA-039.0

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

Agilent

Certificate of Analysis

Product Number:	ICP-024A	**Lot Issue Date:**	30-Nov-2020
Lot Number:	0006572479	**Expiration Date:**	31-Dec-2027

Storage: Store at Room Temperature (15° to 30°C).

Traceability:
Traceability has been established through an unbroken chain of comparisons, each having stated uncertainties. Comparisons are based on appropriate physical or chemical measurements, including gravimetric or volumetric dilution, where the mass or volume of a solution before and after dilution is measured. The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 819.

Homogeneity:
This RM was formulated and unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening and should be processed without delay for the true value to be valid within the stated uncertainties. Do not pipet from the bottle. Do not return any material removed for pipetting to the bottle. Tightly cap the bottle after removing any material and store according to the instructions noted above.

Hazards:
Refer to the Safety Data Sheet for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid, within the measurement uncertainty specified, until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
The certification of this RM is valid, within the measurement uncertainty specified, until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
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ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

Reagent

WC_STD_HEX_00013

Agilent

Reference Material Certificate

Product Information Sheet

Product Number: ICP-024A
Lot Number: 0006684917

Lot Issue Date: 15-Jun 2022
Expiration Date: 31-Jul 2029

Product Name: Chromium (VI) ICP Standard

Description:
This Reference Material (RM) was gravimetrically prepared in accordance with ISO 17034 and under Agilent's ISO 9001 registered quality system. The neat materials used for this product have been verified by Agilent's ISO 17025 laboratory and under Agilent's ISO 17034 accreditation. The analyte concentrations were verified by Agilent's ISO 17025 accredited laboratory. For each analyte, the true value, with its uncertainty value calculated at the 95% confidence level, is reported below.

Analyte	Starting Material	Lot Number	Purity (%)	Analyte Concentration	Traceability & Method
chromium (VI)	ammonium dichromate	RM15461	99.999	1002 ± 2 µg/mL	NIST SRM 3112a; ICP-OES

Solvent: low TOC water (< 50 ppb)

7326850
ID: WC_STD_HEX_00013
Exp: 07/31/29 Prpd: CLT
Hexachrome-1000ppm

7326851
ID: WC_STD_HEX_00013
Exp: 07/31/29 Prpd: CLT
Hexachrome-1000ppm

Non-Certified Values:

Density: 1.0000 g/mL @ 20.00 ± 0.05°C

Trace Metallic Impurities in Solution Standard in µg/mL

*	Al	<0.005 ND	*	Ga	<0.005 ND	*	Nb	<0.005 ND	n	S	
*	Sb	<0.005 ND	*	Ge	<0.005 ND	n	Os		*	Ta	<0.005 ND
*	As	<0.005 ND	*	Au	<0.005 ND	*	Pd	<0.005 ND	*	Te	<0.005 ND
*	Ba	<0.005 ND	*	Hf	<0.005 ND	n	P		*	Tb	<0.005 ND
*	Be	<0.005 ND	*	Ho	<0.005 ND	*	Pt	<0.005 ND	*	Tl	<0.005 ND
*	Bi	<0.005 ND	*	In	<0.005 ND	*	K	<0.005 ND	n	Th	
*	B	<0.005 ND	n	Ir		*	Pr	<0.005 ND	*	Tm	<0.005 ND
*	Cd	<0.005 ND	*	Fe	<0.005 ND	*	Re	<0.005 ND	*	Sn	<0.005 ND
*	Cs	<0.005 ND	*	La	<0.005 ND	*	Rh	<0.005 ND	*	Ti	<0.005 ND
*	Ca	<0.005 D	*	Pb	<0.005 ND	*	Rb	<0.005 ND	*	W	<0.005 ND
*	Ce	<0.005 ND	*	Li	<0.005 ND	*	Ru	<0.005 ND	n	U	
s	Cr		n	Lu		*	Sm	<0.005 ND	*	V	<0.005 ND
*	Co	<0.005 ND	*	Mg	<0.005 ND	*	Sc	<0.005 ND	*	Yb	<0.005 ND
*	Cu	<0.005 ND	*	Mn	<0.005 ND	*	Se	<0.005 ND	*	Y	<0.005 ND
*	Dy	<0.005 ND	n	Hg		n	Si		*	Zn	<0.005 ND
*	Er	<0.005 ND	*	Mo	<0.005 ND	*	Ag	<0.005 ND	*	Zr	<0.005 ND
*	Eu	<0.005 ND	*	Nd	<0.005 ND	*	Na	0.021 D			
*	Gd	<0.005 ND	*	Ni	<0.005 ND	*	Sr	<0.005 ND			

* - element checked; i - spectral interference; n – element not checked; D – element detected; ND – element not detected; s - standard element

Storage: Store room temp (15 – 30°C)

Produced in accordance with TUV SUD 951215321
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Agilent

Product Number: ICP-024A
Lot Number: 0006684917

Lot Issue Date: 15-Jun 2022
Expiration Date: 31-Jul 2029

Traceability:
Traceability has been established through an unbroken chain of comparisons, each having stated uncertainties. Comparisons are based on appropriate physical or chemical measurements, including gravimetric or volumetric dilution, where the mass or volume of a solution before and after dilution is measured. The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 819.

Estimation of Uncertainties:
The true value is reported, with its uncertainty value calculated at the 95% confidence level.

Homogeneity:
This RM was formulated and unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening and should be processed without delay for the true value to be valid within the stated uncertainties. Do not pipet from the bottle. Do not return any material removed for pipetting to the bottle. Tightly cap the bottle after removing any material and store according to the instructions noted above.

Hazards:
Refer to the Safety Data Sheet for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid, within the measurement uncertainty specified, until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
The real-time, long term stability of the RM may be monitored over the lifetime of the certification. If substantive changes occur that affect the certification before the expiration of this certificate, Agilent Technologies will notify the purchaser.

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

Cert No. AR1936

Produced in accordance with TUV SUD 951215321
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Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
GW-13D-09232024	480-223647-1	100	98	97	98
GW-M-27D-09232024	480-223647-2	101	100	98	99
SW-B-09232024	480-223647-3	101	106	105	94
FD-1-09232024	480-223647-4	101	99	99	98
TB-1-09232024	480-223647-5	101	101	99	97
SW-A-09232024	480-223647-6	101	101	97	99
GW-M-26S-09242024	480-223692-1	102	101	97	99
GW-M-26D-09242024	480-223692-2	102	102	97	99
GW-M-11D-09242024	480-223692-3	102	103	94	97
GW-MW-1-09242024	480-223692-4	103	102	97	99
GW-MW-4-09242024	480-223692-5	104	100	102	91
FD-2-09242024	480-223692-6	103	105	102	92
SW-G-09242024	480-223692-7	99	101	100	94
SW-F-09242024	480-223692-8	99	98	101	94
SW-E-09242024	480-223692-9	102	102	100	95
EB-1-09242024	480-223692-10	101	100	101	92
TB-2-09242024	480-223692-11	102	104	102	96
EB-2-09252024	480-223755-1	102	106	114	100
GW-4S-09252024	480-223755-2	98	106	111	94
GW-4D-09252024	480-223755-3	107	110	116	99
GW-M-25D-09252024	480-223755-4	98	101	102	96
GW-M-25S-09252024	480-223755-5	104	109	113	104
GW-M-26D-09252024	480-223755-6	96	103	110	99
GW-M-28D-09252024	480-223755-7	95	102	103	94
GW-M-29S-09252024	480-223755-8	103	103	97	97
GW-M-28S-09252024	480-223755-9	100	103	97	97
SW-D-09252024	480-223755-10	100	100	98	96
TB-3-09252024	480-223755-11	100	99	97	98
EB-3-09262024	480-223784-1	103	98	106	111
GW-10S-09262024	480-223784-2	103	98	102	107
GW-DGC-4S-09262024	480-223784-3	103	97	102	105
GW-13S-09262024	480-223784-4	102	97	105	103
GW-M-24DR-09262024	480-223784-5	102	98	101	105
TB-4-09262024	480-223784-6	101	96	105	111

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MB 480-725960/8	99	98	101	98
	MB 480-725969/9	101	104	100	94
	MB 480-726185/8	101	102	99	100
	MB 480-726373/8	101	101	103	92
	MB 480-726382/8	99	100	97	95
	MB 480-726431/8	101	101	101	94
	MB 480-726463/8	103	100	108	113
	LCS 480-725960/27	99	97	99	95
	LCS 480-725969/6	100	102	102	97
	LCS 480-726185/6	97	98	100	96
	LCS 480-726373/6	101	103	105	94
	LCS 480-726382/6	98	98	100	97
	LCS 480-726431/6	96	93	103	97
	LCS 480-726463/6	98	101	107	112
	LCSD 480-726382/29	97	96	98	92
SW-B-09232024-MS MS	480-223647-3 MS	99	101	103	96
GW-10S-09262024-MS MS	480-223784-2 MS	102	102	104	106
SW-B-09232024-MSD MSD	480-223647-3 MSD	97	105	110	99
GW-10S-09262024-MS D MSD	480-223784-2 MSD	103	99	105	109

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: D6931.d

Lab ID: LCS 480-725960/27 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.5	102	73-126	
1,1,2,2-Tetrachloroethane	25.0	27.0	108	76-120	
1,1,2-Trichloroethane	25.0	26.6	106	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.8	111	61-148	
1,1-Dichloroethane	25.0	26.0	104	77-120	
1,1-Dichloroethene	25.0	27.6	110	66-127	
1,2,4-Trichlorobenzene	25.0	27.4	109	79-122	
1,2-Dibromo-3-Chloropropane	25.0	27.5	110	56-134	
1,2-Dichlorobenzene	25.0	26.1	104	80-124	
1,2-Dichloroethane	25.0	25.1	100	75-120	
1,2-Dichloropropane	25.0	27.0	108	76-120	
1,3-Dichlorobenzene	25.0	25.3	101	77-120	
1,4-Dichlorobenzene	25.0	24.9	100	80-120	
2-Butanone (MEK)	125	136	109	57-140	
2-Hexanone	125	136	109	65-127	
4-Methyl-2-pentanone (MIBK)	125	138	110	71-125	
Acetone	125	125	100	56-142	
Benzene	25.0	25.8	103	71-124	
Bromodichloromethane	25.0	26.6	106	80-122	
Bromoform	25.0	26.2	105	61-132	
Bromomethane	25.0	25.5	102	55-144	
Carbon disulfide	25.0	26.7	107	59-134	
Carbon tetrachloride	25.0	26.3	105	72-134	
Chlorobenzene	25.0	25.1	101	80-120	
Dibromochloromethane	25.0	27.0	108	75-125	
Chloroethane	25.0	25.5	102	69-136	
Chloroform	25.0	24.6	99	73-127	
Chloromethane	25.0	23.9	96	68-124	
cis-1,2-Dichloroethene	25.0	26.3	105	74-124	
cis-1,3-Dichloropropene	25.0	28.2	113	74-124	
Cyclohexane	25.0	27.1	108	59-135	
Dichlorodifluoromethane	25.0	24.2	97	59-135	
Ethylbenzene	25.0	25.6	102	77-123	
1,2-Dibromoethane	25.0	27.1	108	77-120	
Isopropylbenzene	25.0	27.5	110	77-122	
Methyl acetate	50.0	54.0	108	74-133	
Methyl tert-butyl ether	25.0	26.8	107	77-120	
Methylcyclohexane	25.0	27.6	110	68-134	
Methylene Chloride	25.0	26.8	107	75-124	
Styrene	25.0	26.2	105	80-120	
Tetrachloroethene	25.0	25.2	101	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: D6931.d

Lab ID: LCS 480-725960/27 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.2	101	80-122	
trans-1,2-Dichloroethene	25.0	26.5	106	73-127	
trans-1,3-Dichloropropene	25.0	28.9	116	80-120	
Trichloroethene	25.0	25.3	101	74-123	
Trichlorofluoromethane	25.0	25.8	103	62-150	
Vinyl chloride	25.0	25.4	102	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: S2394.d

Lab ID: LCS 480-725969/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.6	102	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.8	95	76-120	
1,1,2-Trichloroethane	25.0	21.7	87	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.9	116	61-148	
1,1-Dichloroethane	25.0	24.2	97	77-120	
1,1-Dichloroethene	25.0	25.9	103	66-127	
1,2,4-Trichlorobenzene	25.0	24.1	96	79-122	
1,2-Dibromo-3-Chloropropane	25.0	20.9	83	56-134	
1,2-Dichlorobenzene	25.0	23.6	95	80-124	
1,2-Dichloroethane	25.0	22.4	89	75-120	
1,2-Dichloropropane	25.0	23.6	94	76-120	
1,3-Dichlorobenzene	25.0	23.8	95	77-120	
1,4-Dichlorobenzene	25.0	23.3	93	80-120	
2-Butanone (MEK)	125	98.5	79	57-140	
2-Hexanone	125	106	85	65-127	
4-Methyl-2-pentanone (MIBK)	125	111	88	71-125	
Acetone	125	102	82	56-142	
Benzene	25.0	24.1	96	71-124	
Bromodichloromethane	25.0	22.9	92	80-122	
Bromoform	25.0	21.8	87	61-132	
Bromomethane	25.0	22.3	89	55-144	
Carbon disulfide	25.0	26.2	105	59-134	
Carbon tetrachloride	25.0	23.8	95	72-134	
Chlorobenzene	25.0	23.6	94	80-120	
Dibromochloromethane	25.0	21.2	85	75-125	
Chloroethane	25.0	23.1	92	69-136	
Chloroform	25.0	22.9	91	73-127	
Chloromethane	25.0	22.4	89	68-124	
cis-1,2-Dichloroethene	25.0	23.2	93	74-124	
cis-1,3-Dichloropropene	25.0	23.4	94	74-124	
Cyclohexane	25.0	29.2	117	59-135	
Dichlorodifluoromethane	25.0	22.8	91	59-135	
Ethylbenzene	25.0	24.0	96	77-123	
1,2-Dibromoethane	25.0	21.1	84	77-120	
Isopropylbenzene	25.0	26.9	107	77-122	
Methyl acetate	50.0	37.8	76	74-133	
Methyl tert-butyl ether	25.0	21.8	87	77-120	
Methylcyclohexane	25.0	29.5	118	68-134	
Methylene Chloride	25.0	24.7	99	75-124	
Styrene	25.0	23.5	94	80-120	
Tetrachloroethene	25.0	24.5	98	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: S2394.d

Lab ID: LCS 480-725969/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	22.6	90	80-122	
trans-1,2-Dichloroethene	25.0	25.4	101	73-127	
trans-1,3-Dichloropropene	25.0	21.4	86	80-120	
Trichloroethene	25.0	23.7	95	74-123	
Trichlorofluoromethane	25.0	26.8	107	62-150	
Vinyl chloride	25.0	24.6	98	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: D6986.d

Lab ID: LCS 480-726185/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.9	99	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.4	102	76-120	
1,1,2-Trichloroethane	25.0	25.6	102	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.9	100	61-148	
1,1-Dichloroethane	25.0	24.8	99	77-120	
1,1-Dichloroethene	25.0	25.6	102	66-127	
1,2,4-Trichlorobenzene	25.0	25.6	103	79-122	
1,2-Dibromo-3-Chloropropane	25.0	27.3	109	56-134	
1,2-Dichlorobenzene	25.0	25.1	101	80-124	
1,2-Dichloroethane	25.0	24.0	96	75-120	
1,2-Dichloropropane	25.0	25.3	101	76-120	
1,3-Dichlorobenzene	25.0	24.6	98	77-120	
1,4-Dichlorobenzene	25.0	24.1	96	80-120	
2-Butanone (MEK)	125	131	105	57-140	
2-Hexanone	125	134	107	65-127	
4-Methyl-2-pentanone (MIBK)	125	135	108	71-125	
Acetone	125	122	98	56-142	
Benzene	25.0	25.0	100	71-124	
Bromodichloromethane	25.0	24.8	99	80-122	
Bromoform	25.0	25.5	102	61-132	
Bromomethane	25.0	24.2	97	55-144	
Carbon disulfide	25.0	25.0	100	59-134	
Carbon tetrachloride	25.0	25.3	101	72-134	
Chlorobenzene	25.0	24.7	99	80-120	
Dibromochloromethane	25.0	26.2	105	75-125	
Chloroethane	25.0	24.6	99	69-136	
Chloroform	25.0	23.3	93	73-127	
Chloromethane	25.0	23.7	95	68-124	
cis-1,2-Dichloroethene	25.0	24.9	100	74-124	
cis-1,3-Dichloropropene	25.0	26.2	105	74-124	
Cyclohexane	25.0	26.1	104	59-135	
Dichlorodifluoromethane	25.0	23.4	94	59-135	
Ethylbenzene	25.0	25.3	101	77-123	
1,2-Dibromoethane	25.0	26.0	104	77-120	
Isopropylbenzene	25.0	26.7	107	77-122	
Methyl acetate	50.0	51.3	103	74-133	
Methyl tert-butyl ether	25.0	24.9	99	77-120	
Methylcyclohexane	25.0	25.9	104	68-134	
Methylene Chloride	25.0	25.1	100	75-124	
Styrene	25.0	25.2	101	80-120	
Tetrachloroethene	25.0	24.8	99	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: D6986.d

Lab ID: LCS 480-726185/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.9	100	80-122	
trans-1,2-Dichloroethene	25.0	25.4	102	73-127	
trans-1,3-Dichloropropene	25.0	26.8	107	80-120	
Trichloroethene	25.0	24.5	98	74-123	
Trichlorofluoromethane	25.0	25.1	100	62-150	
Vinyl chloride	25.0	25.3	101	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: S2505.d

Lab ID: LCS 480-726373/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.8	107	73-126	
1,1,2,2-Tetrachloroethane	25.0	21.6	86	76-120	
1,1,2-Trichloroethane	25.0	20.9	83	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.9	115	61-148	
1,1-Dichloroethane	25.0	24.2	97	77-120	
1,1-Dichloroethene	25.0	25.9	104	66-127	
1,2,4-Trichlorobenzene	25.0	23.3	93	79-122	
1,2-Dibromo-3-Chloropropane	25.0	20.4	81	56-134	
1,2-Dichlorobenzene	25.0	22.4	89	80-124	
1,2-Dichloroethane	25.0	22.2	89	75-120	
1,2-Dichloropropane	25.0	23.3	93	76-120	
1,3-Dichlorobenzene	25.0	23.7	95	77-120	
1,4-Dichlorobenzene	25.0	22.3	89	80-120	
2-Butanone (MEK)	125	82.5	66	57-140	
2-Hexanone	125	95.3	76	65-127	
4-Methyl-2-pentanone (MIBK)	125	100	80	71-125	
Acetone	125	90.4	72	56-142	
Benzene	25.0	23.5	94	71-124	
Bromodichloromethane	25.0	22.4	90	80-122	
Bromoform	25.0	20.5	82	61-132	
Bromomethane	25.0	25.0	100	55-144	
Carbon disulfide	25.0	26.0	104	59-134	
Carbon tetrachloride	25.0	24.8	99	72-134	
Chlorobenzene	25.0	23.5	94	80-120	
Dibromochloromethane	25.0	21.7	87	75-125	
Chloroethane	25.0	26.2	105	69-136	
Chloroform	25.0	22.6	90	73-127	
Chloromethane	25.0	26.5	106	68-124	
cis-1,2-Dichloroethene	25.0	23.8	95	74-124	
cis-1,3-Dichloropropene	25.0	22.9	92	74-124	
Cyclohexane	25.0	28.7	115	59-135	
Dichlorodifluoromethane	25.0	31.1	124	59-135	
Ethylbenzene	25.0	24.2	97	77-123	
1,2-Dibromoethane	25.0	20.6	82	77-120	
Isopropylbenzene	25.0	25.8	103	77-122	
Methyl acetate	50.0	36.7	73	74-133	*-
Methyl tert-butyl ether	25.0	21.7	87	77-120	
Methylcyclohexane	25.0	29.6	118	68-134	
Methylene Chloride	25.0	24.9	99	75-124	
Styrene	25.0	22.4	89	80-120	
Tetrachloroethene	25.0	24.9	100	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: S2505.d

Lab ID: LCS 480-726373/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	23.7	95	80-122	
trans-1,2-Dichloroethene	25.0	25.6	102	73-127	
trans-1,3-Dichloropropene	25.0	21.2	85	80-120	
Trichloroethene	25.0	24.3	97	74-123	
Trichlorofluoromethane	25.0	28.7	115	62-150	
Vinyl chloride	25.0	27.5	110	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: D7042.d

Lab ID: LCS 480-726382/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	23.6	94	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.0	96	76-120	
1,1,2-Trichloroethane	25.0	24.8	99	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.3	97	61-148	
1,1-Dichloroethane	25.0	23.9	96	77-120	
1,1-Dichloroethene	25.0	24.3	97	66-127	
1,2,4-Trichlorobenzene	25.0	24.1	97	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.1	96	56-134	
1,2-Dichlorobenzene	25.0	24.0	96	80-124	
1,2-Dichloroethane	25.0	23.2	93	75-120	
1,2-Dichloropropane	25.0	24.8	99	76-120	
1,3-Dichlorobenzene	25.0	23.5	94	77-120	
1,4-Dichlorobenzene	25.0	23.0	92	80-120	
2-Butanone (MEK)	125	123	98	57-140	
2-Hexanone	125	124	99	65-127	
4-Methyl-2-pentanone (MIBK)	125	125	100	71-125	
Acetone	125	119	95	56-142	
Benzene	25.0	23.4	94	71-124	
Bromodichloromethane	25.0	24.6	98	80-122	
Bromoform	25.0	24.7	99	61-132	
Bromomethane	25.0	20.9	84	55-144	
Carbon disulfide	25.0	23.9	96	59-134	
Carbon tetrachloride	25.0	23.4	94	72-134	
Chlorobenzene	25.0	23.2	93	80-120	
Dibromochloromethane	25.0	24.9	100	75-125	
Chloroethane	25.0	22.4	90	69-136	
Chloroform	25.0	22.5	90	73-127	
Chloromethane	25.0	21.0	84	68-124	
cis-1,2-Dichloroethene	25.0	23.8	95	74-124	
cis-1,3-Dichloropropene	25.0	26.6	106	74-124	
Cyclohexane	25.0	24.7	99	59-135	
Dichlorodifluoromethane	25.0	18.3	73	59-135	
Ethylbenzene	25.0	23.6	94	77-123	
1,2-Dibromoethane	25.0	24.7	99	77-120	
Isopropylbenzene	25.0	24.8	99	77-122	
Methyl acetate	50.0	48.2	96	74-133	
Methyl tert-butyl ether	25.0	24.2	97	77-120	
Methylcyclohexane	25.0	24.5	98	68-134	
Methylene Chloride	25.0	24.3	97	75-124	
Styrene	25.0	24.5	98	80-120	
Tetrachloroethene	25.0	23.4	94	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: D7042.d

Lab ID: LCS 480-726382/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	23.4	94	80-122	
trans-1,2-Dichloroethene	25.0	24.3	97	73-127	
trans-1,3-Dichloropropene	25.0	26.7	107	80-120	
Trichloroethene	25.0	23.4	93	74-123	
Trichlorofluoromethane	25.0	23.4	94	62-150	
Vinyl chloride	25.0	22.4	90	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: K5210.D

Lab ID: LCS 480-726431/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.5	102	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.4	98	76-120	
1,1,2-Trichloroethane	25.0	26.0	104	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.1	112	61-148	
1,1-Dichloroethane	25.0	28.4	114	77-120	
1,1-Dichloroethene	25.0	26.4	105	66-127	
1,2,4-Trichlorobenzene	25.0	23.8	95	79-122	
1,2-Dibromo-3-Chloropropane	25.0	28.0	112	56-134	
1,2-Dichlorobenzene	25.0	24.5	98	80-124	
1,2-Dichloroethane	25.0	25.3	101	75-120	
1,2-Dichloropropane	25.0	28.0	112	76-120	
1,3-Dichlorobenzene	25.0	25.2	101	77-120	
1,4-Dichlorobenzene	25.0	24.6	98	80-120	
2-Butanone (MEK)	125	137	109	57-140	
2-Hexanone	125	147	118	65-127	
4-Methyl-2-pentanone (MIBK)	125	144	115	71-125	
Acetone	125	146	117	56-142	
Benzene	25.0	27.2	109	71-124	
Bromodichloromethane	25.0	26.1	104	80-122	
Bromoform	25.0	28.6	114	61-132	
Bromomethane	25.0	27.2	109	55-144	
Carbon disulfide	25.0	28.7	115	59-134	
Carbon tetrachloride	25.0	27.9	112	72-134	
Chlorobenzene	25.0	26.5	106	80-120	
Dibromochloromethane	25.0	27.2	109	75-125	
Chloroethane	25.0	33.1	132	69-136	
Chloroform	25.0	24.5	98	73-127	
Chloromethane	25.0	28.8	115	68-124	
cis-1,2-Dichloroethene	25.0	25.5	102	74-124	
cis-1,3-Dichloropropene	25.0	24.6	99	74-124	
Cyclohexane	25.0	28.2	113	59-135	
Dichlorodifluoromethane	25.0	21.6	86	59-135	
Ethylbenzene	25.0	28.4	114	77-123	
1,2-Dibromoethane	25.0	24.9	99	77-120	
Isopropylbenzene	25.0	27.0	108	77-122	
Methyl acetate	50.0	59.5	119	74-133	
Methyl tert-butyl ether	25.0	24.4	98	77-120	
Methylcyclohexane	25.0	25.2	101	68-134	
Methylene Chloride	25.0	25.1	100	75-124	
Styrene	25.0	26.4	105	80-120	
Tetrachloroethene	25.0	27.8	111	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: K5210.D

Lab ID: LCS 480-726431/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	28.2	113	80-122	
trans-1,2-Dichloroethene	25.0	27.7	111	73-127	
trans-1,3-Dichloropropene	25.0	25.1	100	80-120	
Trichloroethene	25.0	27.1	108	74-123	
Trichlorofluoromethane	25.0	31.6	126	62-150	
Vinyl chloride	25.0	30.0	120	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: L8920.D

Lab ID: LCS 480-726463/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	21.2	85	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.1	104	76-120	
1,1,2-Trichloroethane	25.0	25.6	102	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.3	93	61-148	
1,1-Dichloroethane	25.0	23.0	92	77-120	
1,1-Dichloroethene	25.0	23.0	92	66-127	
1,2,4-Trichlorobenzene	25.0	25.6	102	79-122	
1,2-Dibromo-3-Chloropropane	25.0	26.2	105	56-134	
1,2-Dichlorobenzene	25.0	24.1	96	80-124	
1,2-Dichloroethane	25.0	23.4	94	75-120	
1,2-Dichloropropane	25.0	24.0	96	76-120	
1,3-Dichlorobenzene	25.0	24.0	96	77-120	
1,4-Dichlorobenzene	25.0	23.5	94	80-120	
2-Butanone (MEK)	125	132	105	57-140	
2-Hexanone	125	140	112	65-127	
4-Methyl-2-pentanone (MIBK)	125	133	107	71-125	
Acetone	125	135	108	56-142	
Benzene	25.0	23.3	93	71-124	
Bromodichloromethane	25.0	23.6	94	80-122	
Bromoform	25.0	27.8	111	61-132	
Bromomethane	25.0	20.0	80	55-144	
Carbon disulfide	25.0	22.2	89	59-134	
Carbon tetrachloride	25.0	21.8	87	72-134	
Chlorobenzene	25.0	23.9	96	80-120	
Dibromochloromethane	25.0	26.3	105	75-125	
Chloroethane	25.0	20.7	83	69-136	
Chloroform	25.0	22.3	89	73-127	
Chloromethane	25.0	20.9	83	68-124	
cis-1,2-Dichloroethene	25.0	23.5	94	74-124	
cis-1,3-Dichloropropene	25.0	23.7	95	74-124	
Cyclohexane	25.0	19.7	79	59-135	
Dichlorodifluoromethane	25.0	20.0	80	59-135	
Ethylbenzene	25.0	24.0	96	77-123	
1,2-Dibromoethane	25.0	26.0	104	77-120	
Isopropylbenzene	25.0	22.7	91	77-122	
Methyl acetate	50.0	49.2	98	74-133	
Methyl tert-butyl ether	25.0	24.3	97	77-120	
Methylcyclohexane	25.0	20.4	82	68-134	
Methylene Chloride	25.0	23.4	94	75-124	
Styrene	25.0	24.6	98	80-120	
Tetrachloroethene	25.0	23.8	95	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: L8920.D

Lab ID: LCS 480-726463/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	23.8	95	80-122	
trans-1,2-Dichloroethene	25.0	22.3	89	73-127	
trans-1,3-Dichloropropene	25.0	26.2	105	80-120	
Trichloroethene	25.0	22.6	91	74-123	
Trichlorofluoromethane	25.0	22.4	90	62-150	
Vinyl chloride	25.0	21.1	84	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: D7066.d

Lab ID: LCSD 480-726382/29 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	23.0	92	3	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.6	107	11	15	76-120	
1,1,2-Trichloroethane	25.0	25.4	102	3	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.3	89	8	20	61-148	
1,1-Dichloroethane	25.0	23.6	94	1	20	77-120	
1,1-Dichloroethene	25.0	22.7	91	7	16	66-127	
1,2,4-Trichlorobenzene	25.0	26.7	107	10	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	28.2	113	16	15	56-134	*1
1,2-Dichlorobenzene	25.0	25.8	103	7	20	80-124	
1,2-Dichloroethane	25.0	24.3	97	5	20	75-120	
1,2-Dichloropropane	25.0	25.0	100	1	20	76-120	
1,3-Dichlorobenzene	25.0	24.5	98	4	20	77-120	
1,4-Dichlorobenzene	25.0	23.9	96	4	20	80-120	
2-Butanone (MEK)	125	135	108	10	20	57-140	
2-Hexanone	125	139	111	12	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	140	112	11	35	71-125	
Acetone	125	127	102	7	15	56-142	
Benzene	25.0	23.5	94	0	13	71-124	
Bromodichloromethane	25.0	24.9	99	1	15	80-122	
Bromoform	25.0	25.8	103	5	15	61-132	
Bromomethane	25.0	18.6	75	12	15	55-144	
Carbon disulfide	25.0	22.4	90	6	15	59-134	
Carbon tetrachloride	25.0	23.0	92	2	15	72-134	
Chlorobenzene	25.0	23.9	96	3	25	80-120	
Dibromochloromethane	25.0	26.6	106	7	15	75-125	
Chloroethane	25.0	20.4	82	9	15	69-136	
Chloroform	25.0	22.9	91	1	20	73-127	
Chloromethane	25.0	18.9	76	11	15	68-124	
cis-1,2-Dichloroethene	25.0	23.9	96	0	15	74-124	
cis-1,3-Dichloropropene	25.0	25.5	102	4	15	74-124	
Cyclohexane	25.0	23.0	92	7	20	59-135	
Dichlorodifluoromethane	25.0	15.2	61	19	20	59-135	
Ethylbenzene	25.0	23.7	95	0	15	77-123	
1,2-Dibromoethane	25.0	26.5	106	7	15	77-120	
Isopropylbenzene	25.0	25.1	100	1	20	77-122	
Methyl acetate	50.0	52.9	106	9	20	74-133	
Methyl tert-butyl ether	25.0	24.8	99	2	37	77-120	
Methylcyclohexane	25.0	22.4	90	9	20	68-134	
Methylene Chloride	25.0	24.7	99	2	15	75-124	
Styrene	25.0	25.1	100	2	20	80-120	
Tetrachloroethene	25.0	22.2	89	5	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: D7066.d

Lab ID: LCSD 480-726382/29 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	23.1	93	1	15	80-122	
trans-1,2-Dichloroethene	25.0	23.2	93	4	20	73-127	
trans-1,3-Dichloropropene	25.0	26.1	105	2	15	80-120	
Trichloroethene	25.0	22.9	92	2	16	74-123	
Trichlorofluoromethane	25.0	20.2	81	15	20	62-150	
Vinyl chloride	25.0	19.2	77	15	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: S2410.d

Lab ID: 480-223647-3 MS Client ID: SW-B-09232024-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	1.0 U	30.0	120	73-126	
1,1,2,2-Tetrachloroethane	25.0	1.0 U	24.3	97	76-120	
1,1,2-Trichloroethane	25.0	1.0 U	23.3	93	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	1.0 U	31.1	124	61-148	
1,1-Dichloroethane	25.0	1.0 U	28.1	112	77-120	
1,1-Dichloroethene	25.0	1.0 U	29.9	120	66-127	
1,2,4-Trichlorobenzene	25.0	1.0 U	27.8	111	79-122	
1,2-Dibromo-3-Chloropropane	25.0	1.0 U	21.9	88	56-134	
1,2-Dichlorobenzene	25.0	1.0 U	25.6	102	80-124	
1,2-Dichloroethane	25.0	1.0 U	24.9	100	75-120	
1,2-Dichloropropane	25.0	1.0 U	26.8	107	76-120	
1,3-Dichlorobenzene	25.0	1.0 U	26.6	106	77-120	
1,4-Dichlorobenzene	25.0	1.0 U	25.9	104	78-124	
2-Butanone (MEK)	125	10 U	119	95	57-140	
2-Hexanone	125	5.0 U	115	92	65-127	
4-Methyl-2-pentanone (MIBK)	125	5.0 U	118	95	71-125	
Acetone	125	10 U	120	96	56-142	
Benzene	25.0	1.0 U	27.0	108	71-124	
Bromodichloromethane	25.0	1.0 U	24.9	100	80-122	
Bromoform	25.0	1.0 U	20.4	82	61-132	
Bromomethane	25.0	1.0 U	22.1	88	55-144	
Carbon disulfide	25.0	1.0 U	27.4	109	59-134	
Carbon tetrachloride	25.0	1.0 U	28.4	114	72-134	
Chlorobenzene	25.0	1.0 U	25.8	103	80-120	
Dibromochloromethane	25.0	1.0 U	22.9	91	75-125	
Chloroethane	25.0	1.0 U	26.7	107	69-136	
Chloroform	25.0	1.0 U	25.7	103	73-127	
Chloromethane	25.0	1.0 U	25.3	101	68-124	
cis-1,2-Dichloroethene	25.0	1.0 U	26.8	107	74-124	
cis-1,3-Dichloropropene	25.0	1.0 U	25.2	101	74-124	
Cyclohexane	25.0	1.0 U	34.1	136	59-135	F1
Dichlorodifluoromethane	25.0	1.0 U	22.3	89	59-135	
Ethylbenzene	25.0	1.0 U	27.4	110	77-123	
1,2-Dibromoethane	25.0	1.0 U	23.0	92	77-120	
Isopropylbenzene	25.0	1.0 U	29.5	118	77-122	
Methyl acetate	50.0	2.5 U	44.2	88	74-133	
Methyl tert-butyl ether	25.0	1.0 U	24.5	98	77-120	
Methylcyclohexane	25.0	1.0 U	33.8	135	68-134	F1
Methylene Chloride	25.0	1.0 U	28.1	112	75-124	
Styrene	25.0	1.0 U	26.1	104	80-120	
Tetrachloroethene	25.0	1.0 U	28.2	113	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: S2410.d

Lab ID: 480-223647-3 MS Client ID: SW-B-09232024-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	1.0 U	26.0	104	80-122	
trans-1,2-Dichloroethene	25.0	1.0 U	29.3	117	73-127	
trans-1,3-Dichloropropene	25.0	1.0 U	23.7	95	80-120	
Trichloroethene	25.0	1.0 U	28.0	112	74-123	
Trichlorofluoromethane	25.0	1.0 U	29.0	116	62-150	
Vinyl chloride	25.0	1.0 U	27.9	112	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: L8944.D

Lab ID: 480-223784-2 MS Client ID: GW-10S-09262024-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	1.0 U	25.8	103	73-126	
1,1,2,2-Tetrachloroethane	25.0	1.0 U	26.0	104	76-120	
1,1,2-Trichloroethane	25.0	1.0 U	26.3	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	1.0 U	23.8	95	61-148	
1,1-Dichloroethane	25.0	1.0 U	26.0	104	77-120	
1,1-Dichloroethene	25.0	1.0 U	26.8	107	66-127	
1,2,4-Trichlorobenzene	25.0	1.0 U	27.2	109	79-122	
1,2-Dibromo-3-Chloropropane	25.0	1.0 U	24.4	98	56-134	
1,2-Dichlorobenzene	25.0	1.0 U	26.0	104	80-124	
1,2-Dichloroethane	25.0	1.0 U	24.9	99	75-120	
1,2-Dichloropropane	25.0	1.0 U	26.4	106	76-120	
1,3-Dichlorobenzene	25.0	1.0 U	25.9	104	77-120	
1,4-Dichlorobenzene	25.0	1.0 U	25.6	102	78-124	
2-Butanone (MEK)	125	10 U	123	98	57-140	
2-Hexanone	125	5.0 U	133	107	65-127	
4-Methyl-2-pentanone (MIBK)	125	5.0 U	127	102	71-125	
Acetone	125	10 U	125	100	56-142	
Benzene	25.0	1.0 U	26.3	105	71-124	
Bromodichloromethane	25.0	1.0 U	25.5	102	80-122	
Bromoform	25.0	1.0 U	28.2	113	61-132	
Bromomethane	25.0	1.0 U	24.4	97	55-144	
Carbon disulfide	25.0	1.0 U	26.4	106	59-134	
Carbon tetrachloride	25.0	0.36 J	27.0	107	72-134	
Chlorobenzene	25.0	1.0 U	25.7	103	80-120	
Dibromochloromethane	25.0	1.0 U	26.7	107	75-125	
Chloroethane	25.0	1.0 U	26.1	104	69-136	
Chloroform	25.0	0.52 J	25.3	99	73-127	
Chloromethane	25.0	1.0 U	25.4	102	68-124	
cis-1,2-Dichloroethene	25.0	1.0 U	26.8	107	74-124	
cis-1,3-Dichloropropene	25.0	1.0 U	24.3	97	74-124	
Cyclohexane	25.0	1.0 U	25.8	103	59-135	
Dichlorodifluoromethane	25.0	1.0 U	25.5	102	59-135	
Ethylbenzene	25.0	1.0 U	26.0	104	77-123	
1,2-Dibromoethane	25.0	1.0 U	26.5	106	77-120	
Isopropylbenzene	25.0	1.0 U	25.1	100	77-122	
Methyl acetate	50.0	2.5 U	46.4	93	74-133	
Methyl tert-butyl ether	25.0	1.0 U	25.5	102	77-120	
Methylcyclohexane	25.0	1.0 U	26.2	105	68-134	
Methylene Chloride	25.0	1.0 U	25.7	103	75-124	
Styrene	25.0	1.0 U	25.9	104	80-120	
Tetrachloroethene	25.0	1.0 U	27.9	112	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: L8944.D

Lab ID: 480-223784-2 MS Client ID: GW-10S-09262024-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	1.0 U	25.6	102	80-122	
trans-1,2-Dichloroethene	25.0	1.0 U	26.6	106	73-127	
trans-1,3-Dichloropropene	25.0	1.0 U	25.5	102	80-120	
Trichloroethene	25.0	2.1	28.0	104	74-123	
Trichlorofluoromethane	25.0	1.0 U	29.7	119	62-150	
Vinyl chloride	25.0	1.0 U	27.6	110	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: S2411.d

Lab ID: 480-223647-3 MSD Client ID: SW-B-09232024-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	29.9	119	0	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.5	102	5	15	76-120	
1,1,2-Trichloroethane	25.0	25.2	101	8	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.9	119	4	20	61-148	
1,1-Dichloroethane	25.0	27.8	111	1	20	77-120	
1,1-Dichloroethene	25.0	29.5	118	2	16	66-127	
1,2,4-Trichlorobenzene	25.0	29.0	116	4	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.1	96	9	15	56-134	
1,2-Dichlorobenzene	25.0	26.6	106	4	20	80-124	
1,2-Dichloroethane	25.0	25.5	102	2	20	75-120	
1,2-Dichloropropane	25.0	28.0	112	5	20	76-120	
1,3-Dichlorobenzene	25.0	28.2	113	6	20	77-120	
1,4-Dichlorobenzene	25.0	27.3	109	5	20	78-124	
2-Butanone (MEK)	125	124	99	4	20	57-140	
2-Hexanone	125	126	101	9	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	127	101	7	35	71-125	
Acetone	125	114	91	5	15	56-142	
Benzene	25.0	27.7	111	3	13	71-124	
Bromodichloromethane	25.0	25.4	102	2	15	80-122	
Bromoform	25.0	22.7	91	10	15	61-132	
Bromomethane	25.0	22.8	91	3	15	55-144	
Carbon disulfide	25.0	27.7	111	1	15	59-134	
Carbon tetrachloride	25.0	28.0	112	2	15	72-134	
Chlorobenzene	25.0	27.2	109	5	25	80-120	
Dibromochloromethane	25.0	24.7	99	8	15	75-125	
Chloroethane	25.0	25.3	101	5	15	69-136	
Chloroform	25.0	25.6	103	0	20	73-127	
Chloromethane	25.0	24.0	96	5	15	68-124	
cis-1,2-Dichloroethene	25.0	27.2	109	1	15	74-124	
cis-1,3-Dichloropropene	25.0	26.1	104	3	15	74-124	
Cyclohexane	25.0	34.3	137	1	20	59-135	F1
Dichlorodifluoromethane	25.0	21.6	86	3	20	59-135	
Ethylbenzene	25.0	29.1	116	6	15	77-123	
1,2-Dibromoethane	25.0	24.6	99	7	15	77-120	
Isopropylbenzene	25.0	31.0	124	5	20	77-122	F1
Methyl acetate	50.0	45.9	92	4	20	74-133	
Methyl tert-butyl ether	25.0	24.6	99	0	37	77-120	
Methylcyclohexane	25.0	34.1	136	1	20	68-134	F1
Methylene Chloride	25.0	28.5	114	1	15	75-124	
Styrene	25.0	27.3	109	5	20	80-120	
Tetrachloroethene	25.0	29.9	120	6	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: S2411.d

Lab ID: 480-223647-3 MSD Client ID: SW-B-09232024-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	28.0	112	8	15	80-122	
trans-1,2-Dichloroethene	25.0	28.8	115	2	20	73-127	
trans-1,3-Dichloropropene	25.0	25.3	101	7	15	80-120	
Trichloroethene	25.0	28.3	113	1	16	74-123	
Trichlorofluoromethane	25.0	28.0	112	4	20	62-150	
Vinyl chloride	25.0	26.3	105	6	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: L8945.D

Lab ID: 480-223784-2 MSD Client ID: GW-10S-09262024-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.0	108	4	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.3	101	3	15	76-120	
1,1,2-Trichloroethane	25.0	26.2	105	1	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.7	103	8	20	61-148	
1,1-Dichloroethane	25.0	26.3	105	1	20	77-120	
1,1-Dichloroethene	25.0	27.1	108	1	16	66-127	
1,2,4-Trichlorobenzene	25.0	27.2	109	0	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	23.7	95	3	15	56-134	
1,2-Dichlorobenzene	25.0	25.4	101	2	20	80-124	
1,2-Dichloroethane	25.0	25.1	100	1	20	75-120	
1,2-Dichloropropane	25.0	26.6	106	1	20	76-120	
1,3-Dichlorobenzene	25.0	25.4	102	2	20	77-120	
1,4-Dichlorobenzene	25.0	24.9	100	3	20	78-124	
2-Butanone (MEK)	125	119	95	3	20	57-140	
2-Hexanone	125	122	98	9	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	122	97	5	35	71-125	
Acetone	125	121	97	3	15	56-142	
Benzene	25.0	26.6	106	1	13	71-124	
Bromodichloromethane	25.0	26.4	106	3	15	80-122	
Bromoform	25.0	27.5	110	2	15	61-132	
Bromomethane	25.0	24.7	99	1	15	55-144	
Carbon disulfide	25.0	26.2	105	1	15	59-134	
Carbon tetrachloride	25.0	27.5	109	2	15	72-134	
Chlorobenzene	25.0	25.8	103	0	25	80-120	
Dibromochloromethane	25.0	26.6	106	0	15	75-125	
Chloroethane	25.0	26.4	106	1	15	69-136	
Chloroform	25.0	25.7	101	2	20	73-127	
Chloromethane	25.0	26.1	104	3	15	68-124	
cis-1,2-Dichloroethene	25.0	26.7	107	0	15	74-124	
cis-1,3-Dichloropropene	25.0	24.1	96	1	15	74-124	
Cyclohexane	25.0	25.8	103	0	20	59-135	
Dichlorodifluoromethane	25.0	25.6	102	0	20	59-135	
Ethylbenzene	25.0	26.3	105	1	15	77-123	
1,2-Dibromoethane	25.0	26.3	105	1	15	77-120	
Isopropylbenzene	25.0	25.0	100	0	20	77-122	
Methyl acetate	50.0	44.5	89	4	20	74-133	
Methyl tert-butyl ether	25.0	25.4	102	0	37	77-120	
Methylcyclohexane	25.0	26.7	107	2	20	68-134	
Methylene Chloride	25.0	26.1	104	1	15	75-124	
Styrene	25.0	25.6	102	1	20	80-120	
Tetrachloroethene	25.0	27.7	111	1	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: L8945.D

Lab ID: 480-223784-2 MSD Client ID: GW-10S-09262024-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	25.9	104	1	15	80-122	
trans-1,2-Dichloroethene	25.0	26.7	107	0	20	73-127	
trans-1,3-Dichloropropene	25.0	24.9	100	2	15	80-120	
Trichloroethene	25.0	28.6	106	2	16	74-123	
Trichlorofluoromethane	25.0	30.4	122	2	20	62-150	
Vinyl chloride	25.0	28.4	113	3	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: D6927.d Lab Sample ID: MB 480-725960/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5975D Date Analyzed: 09/24/2024 12:57

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
GW-13D-09232024	480-223647-1	D6930.d	09/24/2024 14:19
	LCS 480-725960/27	D6931.d	09/24/2024 14:51
GW-M-27D-09232024	480-223647-2	D6933.d	09/24/2024 15:55
FD-1-09232024	480-223647-4	D6934.d	09/24/2024 16:17
TB-1-09232024	480-223647-5	D6935.d	09/24/2024 16:39
SW-A-09232024	480-223647-6	D6936.d	09/24/2024 17:01

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: S2396.d Lab Sample ID: MB 480-725969/9

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973S Date Analyzed: 09/24/2024 13:05

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-725969/6	S2394.d	09/24/2024 12:18
SW-B-09232024	480-223647-3	S2403.d	09/24/2024 16:14
SW-B-09232024-MS MS	480-223647-3 MS	S2410.d	09/24/2024 18:56
SW-B-09232024-MSD MSD	480-223647-3 MSD	S2411.d	09/24/2024 19:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: D6988.d Lab Sample ID: MB 480-726185/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5975D Date Analyzed: 09/26/2024 00:29

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-726185/6	D6986.d	09/25/2024 23:45
GW-M-26S-09242024	480-223692-1	D7003.d	09/26/2024 06:01
GW-M-26D-09242024	480-223692-2	D7004.d	09/26/2024 06:23
GW-M-11D-09242024	480-223692-3	D7005.d	09/26/2024 06:45
GW-MW-1-09242024	480-223692-4	D7006.d	09/26/2024 07:07

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: D7044.d Lab Sample ID: MB 480-726382/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5975D Date Analyzed: 09/27/2024 12:30

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-726382/6	D7042.d	09/27/2024 11:46
SW-D-09252024	480-223755-10	D7045.d	09/27/2024 13:21
TB-3-09252024	480-223755-11	D7046.d	09/27/2024 13:57
GW-M-29S-09252024	480-223755-8	D7062.d	09/27/2024 19:50
GW-M-28S-09252024	480-223755-9	D7063.d	09/27/2024 20:13
	LCSD 480-726382/29	D7066.d	09/27/2024 21:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: S2508.d Lab Sample ID: MB 480-726373/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973S Date Analyzed: 09/27/2024 12:49

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-726373/6	S2505.d	09/27/2024 11:39
EB-2-09252024	480-223755-1	S2519.d	09/27/2024 18:03
GW-4S-09252024	480-223755-2	S2520.d	09/27/2024 18:26
GW-4D-09252024	480-223755-3	S2521.d	09/27/2024 18:49
GW-M-25D-09252024	480-223755-4	S2522.d	09/27/2024 19:13
GW-M-25S-09252024	480-223755-5	S2523.d	09/27/2024 19:36
GW-M-26D-09252024	480-223755-6	S2524.d	09/27/2024 20:00
GW-M-28D-09252024	480-223755-7	S2525.d	09/27/2024 20:23

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: K5212.D Lab Sample ID: MB 480-726431/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5977K Date Analyzed: 09/28/2024 00:55

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-726431/6	K5210.D	09/28/2024 00:10
GW-MW-4-09242024	480-223692-5	K5213.D	09/28/2024 01:17
FD-2-09242024	480-223692-6	K5214.D	09/28/2024 01:39
SW-G-09242024	480-223692-7	K5215.D	09/28/2024 02:02
SW-F-09242024	480-223692-8	K5216.D	09/28/2024 02:25
SW-E-09242024	480-223692-9	K5217.D	09/28/2024 02:47
EB-1-09242024	480-223692-10	K5218.D	09/28/2024 03:10
TB-2-09242024	480-223692-11	K5219.D	09/28/2024 03:32

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: L8922.D Lab Sample ID: MB 480-726463/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5977L Date Analyzed: 09/28/2024 05:08

GC Column: ZB-624 (30) VOA ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-726463/6	L8920.D	09/28/2024 04:20
EB-3-09262024	480-223784-1	L8936.D	09/28/2024 10:49
GW-10S-09262024	480-223784-2	L8937.D	09/28/2024 11:14
GW-DGC-4S-09262024	480-223784-3	L8938.D	09/28/2024 11:39
GW-13S-09262024	480-223784-4	L8939.D	09/28/2024 12:03
GW-M-24DR-09262024	480-223784-5	L8940.D	09/28/2024 12:28
TB-4-09262024	480-223784-6	L8941.D	09/28/2024 12:52
GW-10S-09262024-MS MS	480-223784-2 MS	L8944.D	09/28/2024 14:04
GW-10S-09262024-MSD MSD	480-223784-2 MSD	L8945.D	09/28/2024 14:28

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: S1891.d BFB Injection Date: 09/09/2024

Instrument ID: HP5973S BFB Injection Time: 16:37

Analysis Batch No.: 724422

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.0	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	Greater than 50% of mass 95	82.3	
175	5.0 - 9.0 % of mass 174	6.7	(8.2) 1
176	95.0 - 101.0 % of mass 174	79.1	(96.1) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-724422/13	S1899.d	09/09/2024	20:39
	IC 480-724422/14	S1900.d	09/09/2024	21:03
	IC 480-724422/15	S1901.d	09/09/2024	21:39
	IC 480-724422/16	S1902.d	09/09/2024	22:00
	IC 480-724422/17	S1903.d	09/09/2024	22:23
	ICIS 480-724422/18	S1904.d	09/09/2024	22:46
	IC 480-724422/19	S1905.d	09/09/2024	23:10
	IC 480-724422/20	S1906.d	09/09/2024	23:56
	ICV 480-724422/34	S1920.d	09/10/2024	5:43

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: S2391.d BFB Injection Date: 09/24/2024

Instrument ID: HP5973S BFB Injection Time: 10:51

Analysis Batch No.: 725969

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	83.0	
175	5.0 - 9.0 % of mass 174	6.6	(7.9) 1
176	95.0 - 101.0 % of mass 174	80.4	(96.8) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-725969/4	S2392.d	09/24/2024	11:16
	LCS 480-725969/6	S2394.d	09/24/2024	12:18
	MB 480-725969/9	S2396.d	09/24/2024	13:05
SW-B-09232024	480-223647-3	S2403.d	09/24/2024	16:14
SW-B-09232024-MS MS	480-223647-3 MS	S2410.d	09/24/2024	18:56
SW-B-09232024-MSD MSD	480-223647-3 MSD	S2411.d	09/24/2024	19:19

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: S2502.d BFB Injection Date: 09/27/2024

Instrument ID: HP5973S BFB Injection Time: 10:14

Analysis Batch No.: 726373

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.2	
75	30.0 - 60.0 % of mass 95	46.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	Greater than 50% of mass 95	87.3	
175	5.0 - 9.0 % of mass 174	7.2	(8.3) 1
176	95.0 - 101.0 % of mass 174	86.6	(99.3) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-726373/4	S2503.d	09/27/2024	10:40
	LCS 480-726373/6	S2505.d	09/27/2024	11:39
	MB 480-726373/8	S2508.d	09/27/2024	12:49
EB-2-09252024	480-223755-1	S2519.d	09/27/2024	18:03
GW-4S-09252024	480-223755-2	S2520.d	09/27/2024	18:26
GW-4D-09252024	480-223755-3	S2521.d	09/27/2024	18:49
GW-M-25D-09252024	480-223755-4	S2522.d	09/27/2024	19:13
GW-M-25S-09252024	480-223755-5	S2523.d	09/27/2024	19:36
GW-M-26D-09252024	480-223755-6	S2524.d	09/27/2024	20:00
GW-M-28D-09252024	480-223755-7	S2525.d	09/27/2024	20:23

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: D6832.d BFB Injection Date: 09/19/2024

Instrument ID: HP5975D BFB Injection Time: 14:41

Analysis Batch No.: 725605

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.0	
75	30.0 - 60.0 % of mass 95	46.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	90.6	
175	5.0 - 9.0 % of mass 174	7.3	(8.1) 1
176	95.0 - 101.0 % of mass 174	89.9	(99.3) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-725605/16	D6837.d	09/19/2024	16:33
	IC 480-725605/17	D6838.d	09/19/2024	16:55
	ICIS 480-725605/18	D6839.d	09/19/2024	17:18
	IC 480-725605/19	D6840.d	09/19/2024	17:40
	IC 480-725605/20	D6841.d	09/19/2024	18:02
	ICV 480-725605/34	D6855.d	09/19/2024	23:11
	IC 480-725605/47	D6858.d	09/20/2024	0:18
	IC 480-725605/48	D6859.d	09/20/2024	0:40
	IC 480-725605/49	D6860.d	09/20/2024	1:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: D6922.d BFB Injection Date: 09/24/2024

Instrument ID: HP5975D BFB Injection Time: 09:28

Analysis Batch No.: 725960

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.6	
75	30.0 - 60.0 % of mass 95	45.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.9	
175	5.0 - 9.0 % of mass 174	7.3	(8.0) 1
176	95.0 - 101.0 % of mass 174	92.3	(100.4) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-725960/4	D6923.d	09/24/2024	10:16
	MB 480-725960/8	D6927.d	09/24/2024	12:57
GW-13D-09232024	480-223647-1	D6930.d	09/24/2024	14:19
	LCS 480-725960/27	D6931.d	09/24/2024	14:51
GW-M-27D-09232024	480-223647-2	D6933.d	09/24/2024	15:55
FD-1-09232024	480-223647-4	D6934.d	09/24/2024	16:17
TB-1-09232024	480-223647-5	D6935.d	09/24/2024	16:39
SW-A-09232024	480-223647-6	D6936.d	09/24/2024	17:01

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: D6983.d BFB Injection Date: 09/25/2024

Instrument ID: HP5975D BFB Injection Time: 22:38

Analysis Batch No.: 726185

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.5	
75	30.0 - 60.0 % of mass 95	44.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.7	
175	5.0 - 9.0 % of mass 174	7.2	(7.8) 1
176	95.0 - 101.0 % of mass 174	91.2	(99.5) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-726185/4	D6984.d	09/25/2024	23:01
	LCS 480-726185/6	D6986.d	09/25/2024	23:45
	MB 480-726185/8	D6988.d	09/26/2024	0:29
GW-M-26S-09242024	480-223692-1	D7003.d	09/26/2024	6:01
GW-M-26D-09242024	480-223692-2	D7004.d	09/26/2024	6:23
GW-M-11D-09242024	480-223692-3	D7005.d	09/26/2024	6:45
GW-MW-1-09242024	480-223692-4	D7006.d	09/26/2024	7:07

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: D7039.d BFB Injection Date: 09/27/2024

Instrument ID: HP5975D BFB Injection Time: 10:06

Analysis Batch No.: 726382

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.6	
75	30.0 - 60.0 % of mass 95	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	89.3	
175	5.0 - 9.0 % of mass 174	7.3	(8.2) 1
176	95.0 - 101.0 % of mass 174	87.4	(97.8) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-726382/4	D7040.d	09/27/2024	10:33
	LCS 480-726382/6	D7042.d	09/27/2024	11:46
	MB 480-726382/8	D7044.d	09/27/2024	12:30
SW-D-09252024	480-223755-10	D7045.d	09/27/2024	13:21
TB-3-09252024	480-223755-11	D7046.d	09/27/2024	13:57
GW-M-29S-09252024	480-223755-8	D7062.d	09/27/2024	19:50
GW-M-28S-09252024	480-223755-9	D7063.d	09/27/2024	20:13
	LCSD 480-726382/29	D7066.d	09/27/2024	21:19

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: K4860.D BFB Injection Date: 09/17/2024

Instrument ID: HP5977K BFB Injection Time: 14:25

Analysis Batch No.: 725344

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.1
75	30.0 - 60.0 % of mass 95	50.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	1.0 (1.3) 1
174	Greater than 50% of mass 95	81.0
175	5.0 - 9.0 % of mass 174	6.2 (7.6) 1
176	95.0 - 101.0 % of mass 174	81.5 (100.6) 1
177	5.0 - 9.0 % of mass 176	5.2 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-725344/13	K4862.D	09/17/2024	15:15
	IC 480-725344/14	K4863.D	09/17/2024	15:37
	IC 480-725344/15	K4864.D	09/17/2024	16:00
	IC 480-725344/16	K4865.D	09/17/2024	16:22
	IC 480-725344/17	K4866.D	09/17/2024	16:45
	ICIS 480-725344/18	K4867.D	09/17/2024	17:08
	IC 480-725344/19	K4868.D	09/17/2024	17:30
	IC 480-725344/20	K4869.D	09/17/2024	17:53
	ICV 480-725344/34	K4883.D	09/17/2024	23:07

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: K5207.D BFB Injection Date: 09/27/2024

Instrument ID: HP5977K BFB Injection Time: 23:02

Analysis Batch No.: 726431

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.5	
75	30.0 - 60.0 % of mass 95	51.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	1.2	(1.5) 1
174	Greater than 50% of mass 95	78.4	
175	5.0 - 9.0 % of mass 174	6.3	(8.0) 1
176	95.0 - 101.0 % of mass 174	75.2	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.3	(7.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-726431/4	K5208.D	09/27/2024	23:24
	LCS 480-726431/6	K5210.D	09/28/2024	0:10
	MB 480-726431/8	K5212.D	09/28/2024	0:55
GW-MW-4-09242024	480-223692-5	K5213.D	09/28/2024	1:17
FD-2-09242024	480-223692-6	K5214.D	09/28/2024	1:39
SW-G-09242024	480-223692-7	K5215.D	09/28/2024	2:02
SW-F-09242024	480-223692-8	K5216.D	09/28/2024	2:25
SW-E-09242024	480-223692-9	K5217.D	09/28/2024	2:47
EB-1-09242024	480-223692-10	K5218.D	09/28/2024	3:10
TB-2-09242024	480-223692-11	K5219.D	09/28/2024	3:32

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: L8801.D BFB Injection Date: 09/24/2024

Instrument ID: HP5977L BFB Injection Time: 20:41

Analysis Batch No.: 726083

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.2	
75	30.0 - 60.0 % of mass 95	47.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	Greater than 50% of mass 95	70.1	
175	5.0 - 9.0 % of mass 174	5.3	(7.5) 1
176	95.0 - 101.0 % of mass 174	68.3	(97.4) 1
177	5.0 - 9.0 % of mass 176	3.6	(5.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-726083/5	L8803.D	09/24/2024	21:32
	IC 480-726083/6	L8804.D	09/24/2024	21:56
	IC 480-726083/7	L8805.D	09/24/2024	22:21
	IC 480-726083/8	L8806.D	09/24/2024	22:45
	IC 480-726083/9	L8807.D	09/24/2024	23:10
	ICIS 480-726083/10	L8808.D	09/24/2024	23:34
	IC 480-726083/11	L8809.D	09/24/2024	23:58
	IC 480-726083/12	L8810.D	09/25/2024	0:23
	ICV 480-726083/26	L8824.D	09/25/2024	6:05

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab File ID: L8917.D BFB Injection Date: 09/28/2024

Instrument ID: HP5977L BFB Injection Time: 03:07

Analysis Batch No.: 726463

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.8	
75	30.0 - 60.0 % of mass 95	50.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.9	(1.1) 1
174	Greater than 50% of mass 95	79.4	
175	5.0 - 9.0 % of mass 174	6.0	(7.5) 1
176	95.0 - 101.0 % of mass 174	77.1	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-726463/4	L8918.D	09/28/2024	3:31
	LCS 480-726463/6	L8920.D	09/28/2024	4:20
	MB 480-726463/8	L8922.D	09/28/2024	5:08
EB-3-09262024	480-223784-1	L8936.D	09/28/2024	10:49
GW-10S-09262024	480-223784-2	L8937.D	09/28/2024	11:14
GW-DGC-4S-09262024	480-223784-3	L8938.D	09/28/2024	11:39
GW-13S-09262024	480-223784-4	L8939.D	09/28/2024	12:03
GW-M-24DR-09262024	480-223784-5	L8940.D	09/28/2024	12:28
TB-4-09262024	480-223784-6	L8941.D	09/28/2024	12:52
GW-10S-09262024-MS MS	480-223784-2 MS	L8944.D	09/28/2024	14:04
GW-10S-09262024-MSD MSD	480-223784-2 MSD	L8945.D	09/28/2024	14:28

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: ICIS 480-724422/18 Date Analyzed: 09/09/2024 22:46

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S1904.d Heated Purge: (Y/N) N

Calibration ID: 47217

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		176411	4.76	352260	7.71	380863	10.15
UPPER LIMIT		352822	4.93	704520	7.88	761726	10.32
LOWER LIMIT		88206	4.59	176130	7.54	190432	9.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-724422/34		169497	4.76	337187	7.71	380776	10.15
CCVIS 480-725969/4		155863	4.76	317758	7.71	332815	10.15
CCVIS 480-726373/4		184286	4.76	355494	7.71	405397	10.15

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: CCVIS 480-725969/4 Date Analyzed: 09/24/2024 11:16

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S2392.d Heated Purge: (Y/N) N

Calibration ID: 47220

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		155863	4.76	317758	7.71	332815	10.15
UPPER LIMIT		311726	4.93	635516	7.88	665630	10.32
LOWER LIMIT		77932	4.59	158879	7.54	166408	9.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-725969/6		151153	4.76	311440	7.71	324023	10.15
MB 480-725969/9		146147	4.76	289062	7.71	311277	10.15
480-223647-3	SW-B-09232024	140960	4.76	276191	7.71	300302	10.15
480-223647-3 MS	SW-B-09232024-MS MS	159423	4.76	324693	7.71	346952	10.15
480-223647-3 MSD	SW-B-09232024-MSD MSD	165174	4.76	324002	7.71	340421	10.15

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: CCVIS 480-726373/4 Date Analyzed: 09/27/2024 10:40

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S2503.d Heated Purge: (Y/N) N

Calibration ID: 47220

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		184286	4.76	355494	7.71	405397	10.15
UPPER LIMIT		368572	4.93	710988	7.88	810794	10.32
LOWER LIMIT		92143	4.59	177747	7.54	202699	9.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-726373/6		186860	4.76	370163	7.71	392092	10.15
MB 480-726373/8		173095	4.76	344270	7.71	363519	10.15
480-223755-1	EB-2-09252024	162185	4.76	326262	7.71	345540	10.15
480-223755-2	GW-4S-09252024	178477	4.76	358936	7.71	373489	10.15
480-223755-3	GW-4D-09252024	159649	4.76	311487	7.71	330785	10.15
480-223755-4	GW-M-25D-09252024	179153	4.76	365529	7.71	391241	10.15
480-223755-5	GW-M-25S-09252024	167343	4.76	330310	7.71	364110	10.15
480-223755-6	GW-M-26D-09252024	174575	4.76	336574	7.71	360675	10.15
480-223755-7	GW-M-28D-09252024	177015	4.76	350603	7.71	370451	10.15

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: ICIS 480-725605/18 Date Analyzed: 09/19/2024 17:18

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D6839.d Heated Purge: (Y/N) N

Calibration ID: 47313

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		171768	4.75	336464	7.10	363759	9.00
UPPER LIMIT		343536	4.92	672928	7.27	727518	9.17
LOWER LIMIT		85884	4.58	168232	6.94	181880	8.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-725605/34		179361	4.75	345229	7.10	378150	9.00
CCVIS 480-725960/4		180722	4.75	352895	7.10	356830	9.00
CCVIS 480-726185/4		172602	4.75	331856	7.10	363571	9.00
CCVIS 480-726382/4		173967	4.74	343584	7.10	365956	9.00

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: CCVIS 480-725960/4 Date Analyzed: 09/24/2024 10:16

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D6923.d Heated Purge: (Y/N) N

Calibration ID: 47316

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		180722	4.75	352895	7.10	356830	9.00
UPPER LIMIT		361444	4.92	705790	7.27	713660	9.17
LOWER LIMIT		90361	4.58	176448	6.93	178415	8.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-725960/8		189030	4.75	375607	7.10	421794	9.00
480-223647-1	GW-13D-09232024	190689	4.75	376432	7.10	400638	9.00
LCS 480-725960/27		176113	4.75	348179	7.10	368969	9.00
480-223647-2	GW-M-27D-09232024	187778	4.75	378208	7.10	419917	9.01
480-223647-4	FD-1-09232024	186802	4.75	374833	7.10	415485	9.01
480-223647-5	TB-1-09232024	187392	4.75	388239	7.10	419985	9.01
480-223647-6	SW-A-09232024	185941	4.75	375602	7.10	414142	9.01

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: CCVIS 480-726185/4 Date Analyzed: 09/25/2024 23:01

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D6984.d Heated Purge: (Y/N) N

Calibration ID: 47316

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		172602	4.75	331856	7.10	363571	9.00
UPPER LIMIT		345204	4.92	663712	7.27	727142	9.17
LOWER LIMIT		86301	4.58	165928	6.94	181786	8.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-726185/6		174328	4.75	334153	7.10	361586	9.00
MB 480-726185/8		182303	4.75	364510	7.10	410734	9.00
480-223692-1	GW-M-26S-09242024	175684	4.75	361186	7.10	404761	9.00
480-223692-2	GW-M-26D-09242024	179781	4.75	360049	7.10	401436	9.00
480-223692-3	GW-M-11D-09242024	177801	4.75	382847	7.10	415008	9.00
480-223692-4	GW-MW-1-09242024	177492	4.75	359545	7.10	407712	9.00

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: CCVIS 480-726382/4 Date Analyzed: 09/27/2024 10:33

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D7040.d Heated Purge: (Y/N) N

Calibration ID: 47316

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		173967	4.74	343584	7.10	365956	9.00
UPPER LIMIT		347934	4.91	687168	7.26	731912	9.17
LOWER LIMIT		86984	4.58	171792	6.93	182978	8.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-726382/6		169487	4.75	334485	7.10	365761	9.00
MB 480-726382/8		180322	4.75	368796	7.10	398985	9.00
480-223755-10	SW-D-09252024	188632	4.75	388633	7.10	415398	9.00
480-223755-11	TB-3-09252024	187647	4.75	375596	7.10	410392	9.00
480-223755-8	GW-M-29S-09252024	171207	4.75	355908	7.10	394783	9.00
480-223755-9	GW-M-28S-09252024	173716	4.75	363144	7.10	395066	9.01
LCSD 480-726382/29		166821	4.75	322207	7.10	341275	9.00

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: ICIS 480-725344/18 Date Analyzed: 09/17/2024 17:08

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): K4867.D Heated Purge: (Y/N) N

Calibration ID: 47299

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		184310	5.34	655672	8.33	335241	10.72
UPPER LIMIT		368620	5.51	1311344	8.50	670482	10.89
LOWER LIMIT		92155	5.18	327836	8.16	167621	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-725344/34		184779	5.34	683393	8.33	353648	10.72
CCVIS 480-726431/4		117733	5.34	425391	8.33	215249	10.72

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: CCVIS 480-726431/4 Date Analyzed: 09/27/2024 23:24

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): K5208.D Heated Purge: (Y/N) N

Calibration ID: 47302

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		117733	5.34	425391	8.33	215249	10.72
UPPER LIMIT		235466	5.51	850782	8.49	430498	10.89
LOWER LIMIT		58867	5.17	212696	8.16	107625	10.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-726431/6		118066	5.34	430352	8.33	228838	10.72
MB 480-726431/8		111412	5.34	403657	8.33	198936	10.72
480-223692-5	GW-MW-4-09242024	107487	5.34	378934	8.33	182836	10.72
480-223692-6	FD-2-09242024	106790	5.35	388213	8.33	187610	10.72
480-223692-7	SW-G-09242024	111052	5.34	418313	8.33	206265	10.72
480-223692-8	SW-F-09242024	110748	5.34	409215	8.33	200090	10.72
480-223692-9	SW-E-09242024	99765	5.34	375662	8.33	185995	10.72
480-223692-10	EB-1-09242024	113060	5.34	397778	8.33	189569	10.72
480-223692-11	TB-2-09242024	109964	5.34	394502	8.33	193131	10.72

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: ICIS 480-726083/10 Date Analyzed: 09/24/2024 23:34

Instrument ID: HP5977L GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Lab File ID (Standard): L8808.D Heated Purge: (Y/N) N

Calibration ID: 47335

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		169646	5.67	647687	8.54	344029	10.94
UPPER LIMIT		339292	5.83	1295374	8.70	688058	11.11
LOWER LIMIT		84823	5.50	323844	8.37	172015	10.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-726083/26		167479	5.67	645252	8.54	342449	10.94
CCVIS 480-726463/4		135320	5.66	514098	8.53	287608	10.94

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Sample No.: CCVIS 480-726463/4 Date Analyzed: 09/28/2024 03:31

Instrument ID: HP5977L GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Lab File ID (Standard): L8918.D Heated Purge: (Y/N) N

Calibration ID: 47338

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		135320	5.66	514098	8.53	287608	10.94
UPPER LIMIT		270640	5.83	1028196	8.70	575216	11.10
LOWER LIMIT		67660	5.50	257049	8.37	143804	10.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-726463/6		145855	5.67	525045	8.54	290765	10.94
MB 480-726463/8		132964	5.67	495738	8.54	263841	10.94
480-223784-1	EB-3-09262024	125944	5.67	487148	8.53	252407	10.94
480-223784-2	GW-10S-09262024	130696	5.67	511608	8.53	277287	10.94
480-223784-3	GW-DGC-4S-09262024	127446	5.66	502899	8.53	271601	10.94
480-223784-4	GW-13S-09262024	129031	5.67	484390	8.53	263279	10.94
480-223784-5	GW-M-24DR-09262024	126819	5.67	499210	8.53	269867	10.94
480-223784-6	TB-4-09262024	123955	5.67	474025	8.53	259687	10.94
480-223784-2 MS	GW-10S-09262024-MS MS	127527	5.67	485392	8.54	274377	10.94
480-223784-2 MSD	GW-10S-09262024-MSD MSD	126144	5.66	483484	8.53	275579	10.94

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-13D-09232024 | Lab Sample ID: 480-223647-1

Matrix: Water | Lab File ID: D6930.d

Analysis Method: 8260C | Date Collected: 09/23/2024 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 14:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	0.73	J	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-13D-09232024 | Lab Sample ID: 480-223647-1

Matrix: Water | Lab File ID: D6930.d

Analysis Method: 8260C | Date Collected: 09/23/2024 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 14:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6930.d
Lims ID: 480-223647-C-1
Client ID: GW-13D-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 14:19:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-C-1
Misc. Info.: 480-0120181-011
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:32:16 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 09:32:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	190689	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	376432	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.003	0.001	95	400638	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	307006	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	170480	24.5	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	885371	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.059	8.052	0.007	95	309070	24.5	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	7
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.919				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.365	-0.005	78	2652	0.3020	
23 Acetone	43		2.456				ND	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84		2.822				ND	7
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43		3.901				ND	
50 Chloroform	83	4.139	4.139	0.000	90	3258	0.1786	
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117	4.352	4.352	0.000	95	9582	0.7254	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95		5.029				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.449				ND	
72 cis-1,3-Dichloropropene	75		5.778				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.126				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.284				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.028				ND	
116 1,2-Dichlorobenzene	146		9.345				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

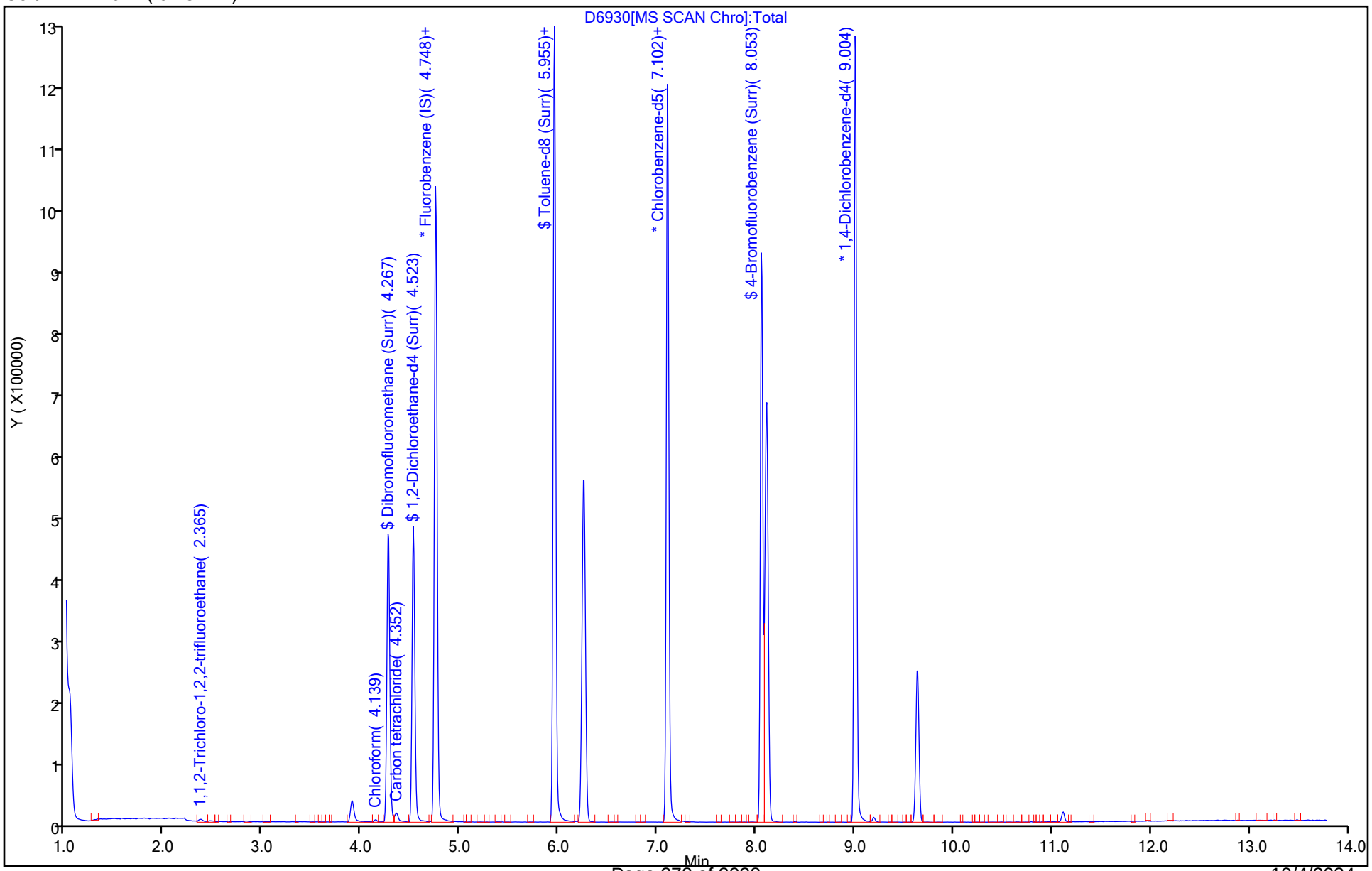
Report Date: 25-Sep-2024 09:32:16 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6930.d

Injection Date:	24-Sep-2024 14:19:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223647-C-1	Lab Sample ID:	480-223647-1	Worklist Smp#:	11
Client ID:	GW-13D-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6930.d
Lims ID: 480-223647-C-1
Client ID: GW-13D-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 14:19:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-C-1
Misc. Info.: 480-0120181-011
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:32:16 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 09:32:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.0	100.16
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.5	98.08
$ 5 Toluene-d8 (Surr)	25.0	24.4	97.49
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.5	97.97

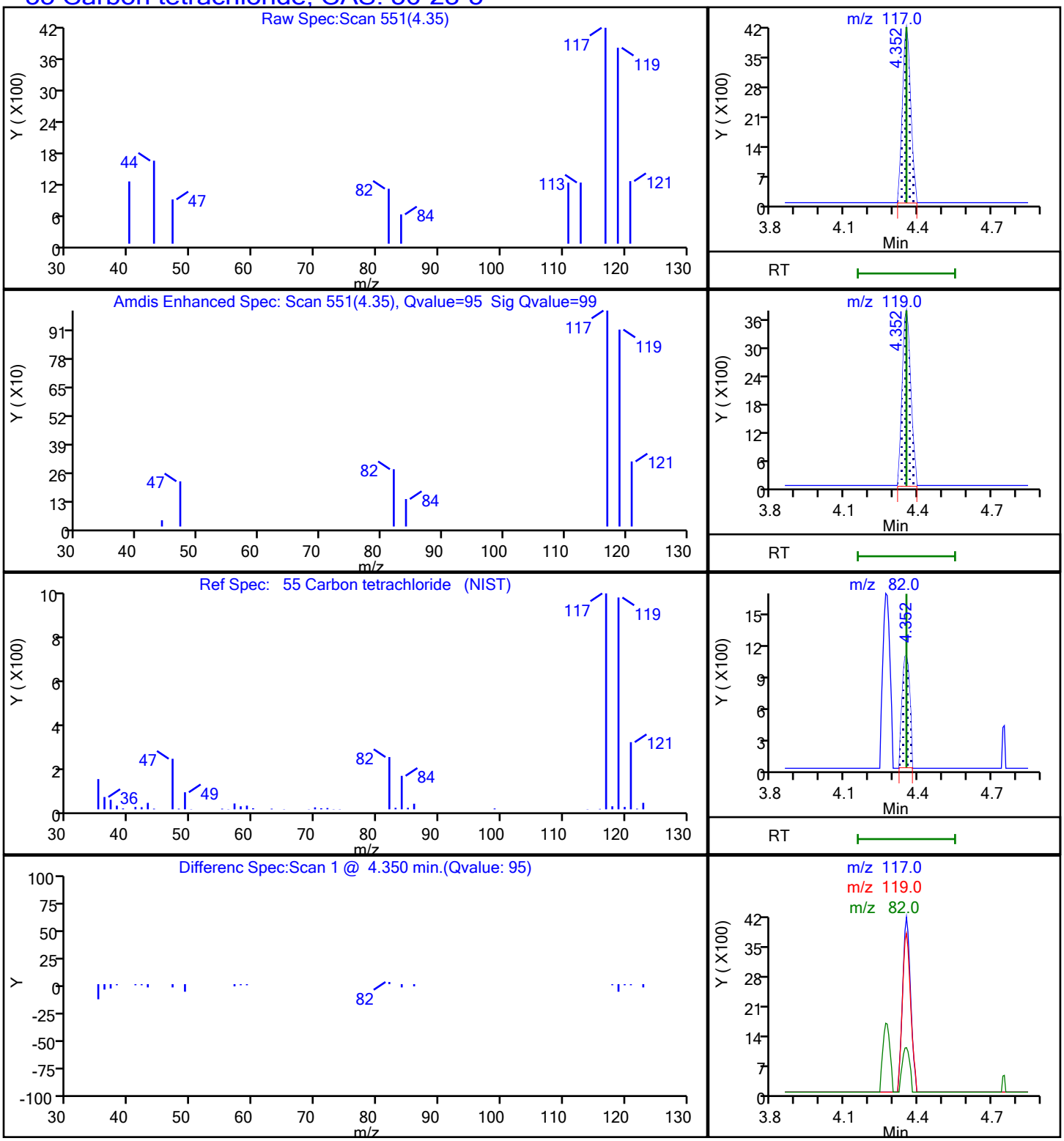
Report Date: 25-Sep-2024 09:32:16 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6930.d

Injection Date:	24-Sep-2024 14:19:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-1	Lab Sample ID:	480-223647-1		
Client ID:	GW-13D-09232024				
Operator ID:	LH	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

55 Carbon tetrachloride, CAS: 56-23-5



10/4/2024
12:15:34 PM

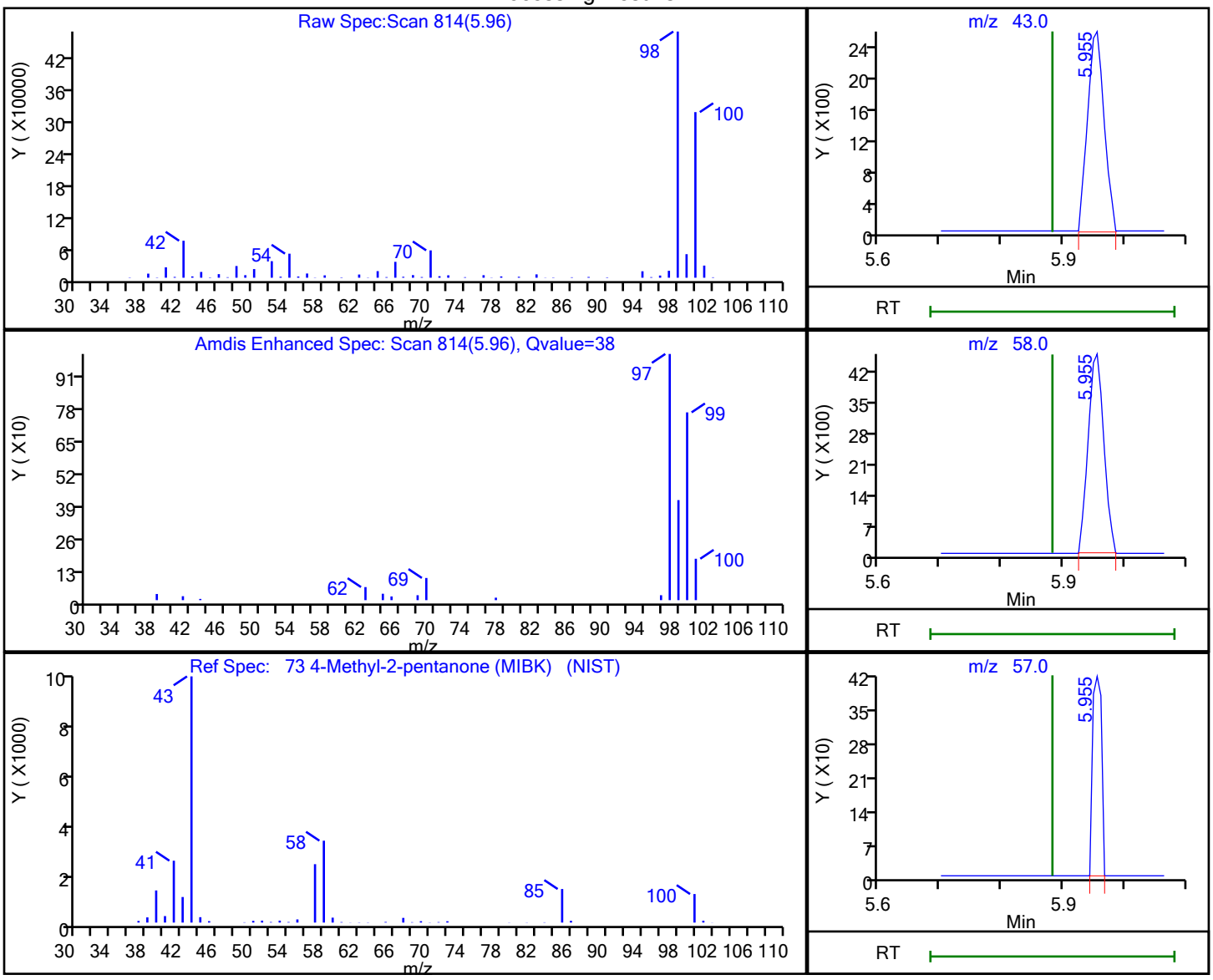
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6930.d				
Injection Date:	24-Sep-2024 14:19:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-1	Lab Sample ID:	480-223647-1		
Client ID:	GW-13D-09232024				
Operator ID:	LH	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.96	43.00	4737	0.359670
5.96	58.00	8095	
5.96	57.00	429	

Reviewer: HF3K, 25-Sep-2024 09:31:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-27D-09232024 | Lab Sample ID: 480-223647-2

Matrix: Water | Lab File ID: D6933.d

Analysis Method: 8260C | Date Collected: 09/23/2024 13:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 15:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0		1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	8.7		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	2.9		1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-27D-09232024 | Lab Sample ID: 480-223647-2

Matrix: Water | Lab File ID: D6933.d

Analysis Method: 8260C | Date Collected: 09/23/2024 13:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 15:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	2.6		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d
Lims ID: 480-223647-C-2
Client ID: GW-m-27D-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 15:55:30 ALS Bottle#: 14 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-C-2
Misc. Info.: 480-0120181-012
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 10:04:02 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 10:04:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	187778	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	378208	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.010	9.003	0.007	95	419917	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	305193	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	171828	25.1	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	898564	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.059	8.052	0.007	95	314513	24.8	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	7
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	U
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.919				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.365	-0.005	88	8726	1.01	
23 Acetone	43		2.456				ND	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84	2.828	2.828	0.006	87	861	-0.7711	7Ma
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43		3.901				ND	
50 Chloroform	83	4.139	4.139	0.000	95	51647	2.88	
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117	4.352	4.352	0.000	98	112734	8.67	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95	5.029	5.029	0.000	98	24865	2.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.449				ND	
72 cis-1,3-Dichloropropene	75		5.778				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.126				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.284				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.028				ND	
116 1,2-Dichlorobenzene	146		9.345				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

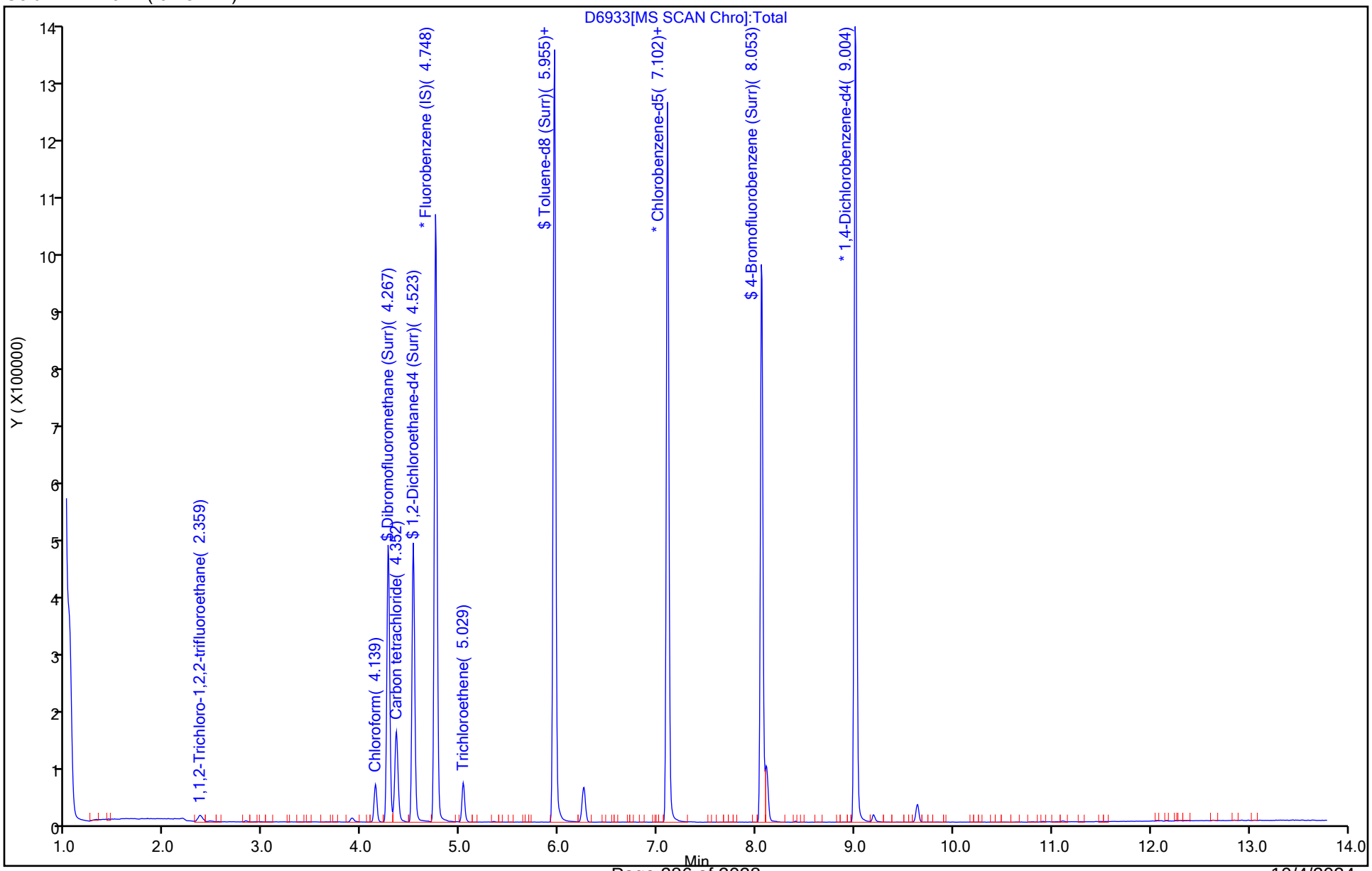
Report Date: 25-Sep-2024 10:04:03 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d

Injection Date:	24-Sep-2024 15:55:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223647-C-2	Lab Sample ID:	480-223647-2	Worklist Smp#:	12
Client ID:	GW-m-27D-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d
Lims ID: 480-223647-C-2
Client ID: GW-m-27D-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 15:55:30 ALS Bottle#: 14 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-C-2
Misc. Info.: 480-0120181-012
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 10:04:02 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

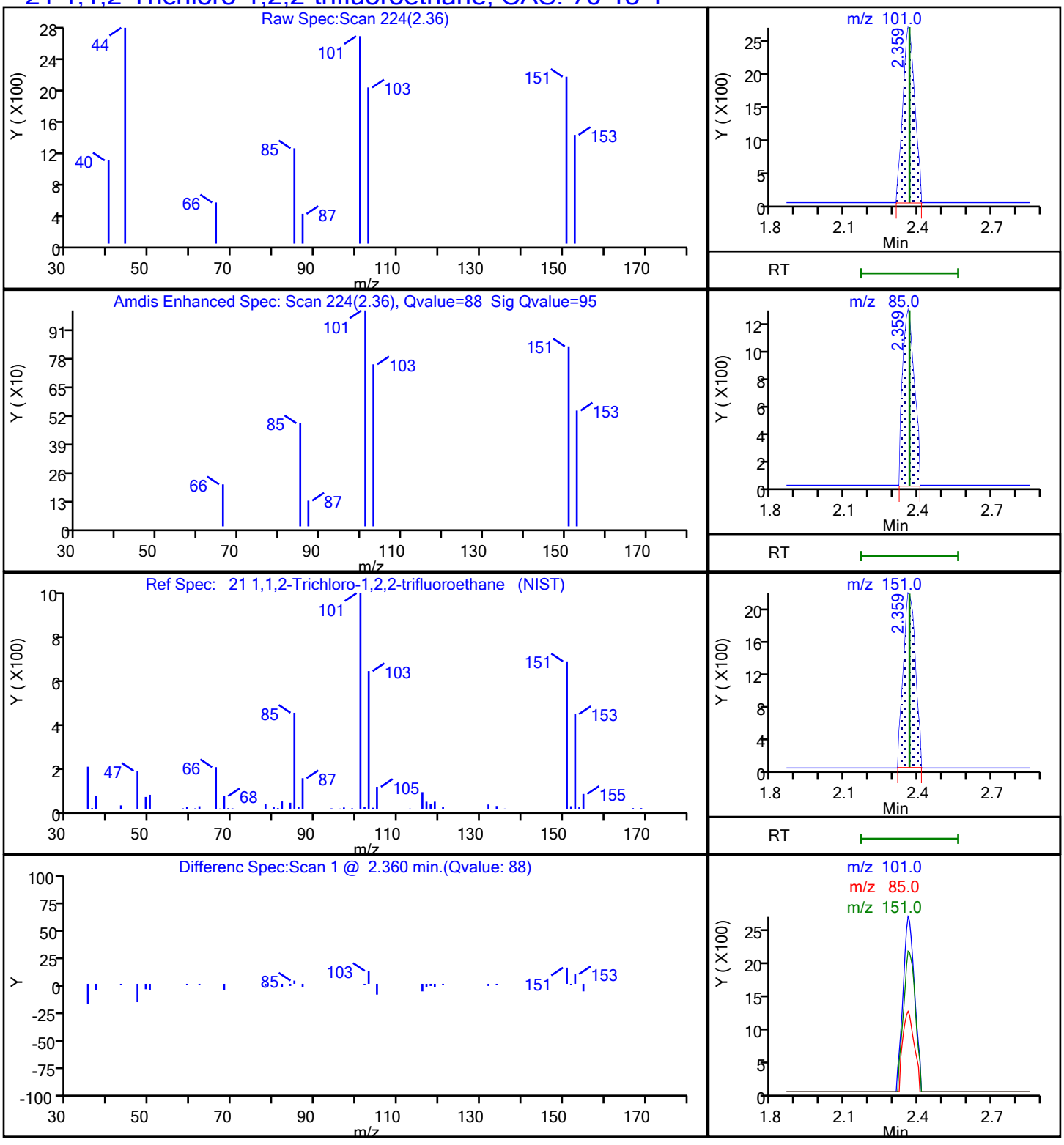
First Level Reviewer: HF3K Date: 25-Sep-2024 10:04:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.3	101.12
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.1	100.38
$ 5 Toluene-d8 (Surr)	25.0	24.6	98.48
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.8	99.23

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d
Injection Date: 24-Sep-2024 15:55:30 Instrument ID: HP5975D
Lims ID: 480-223647-C-2 Lab Sample ID: 480-223647-2
Client ID: GW-m-27D-09232024
Operator ID: LH ALS Bottle#: 14 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

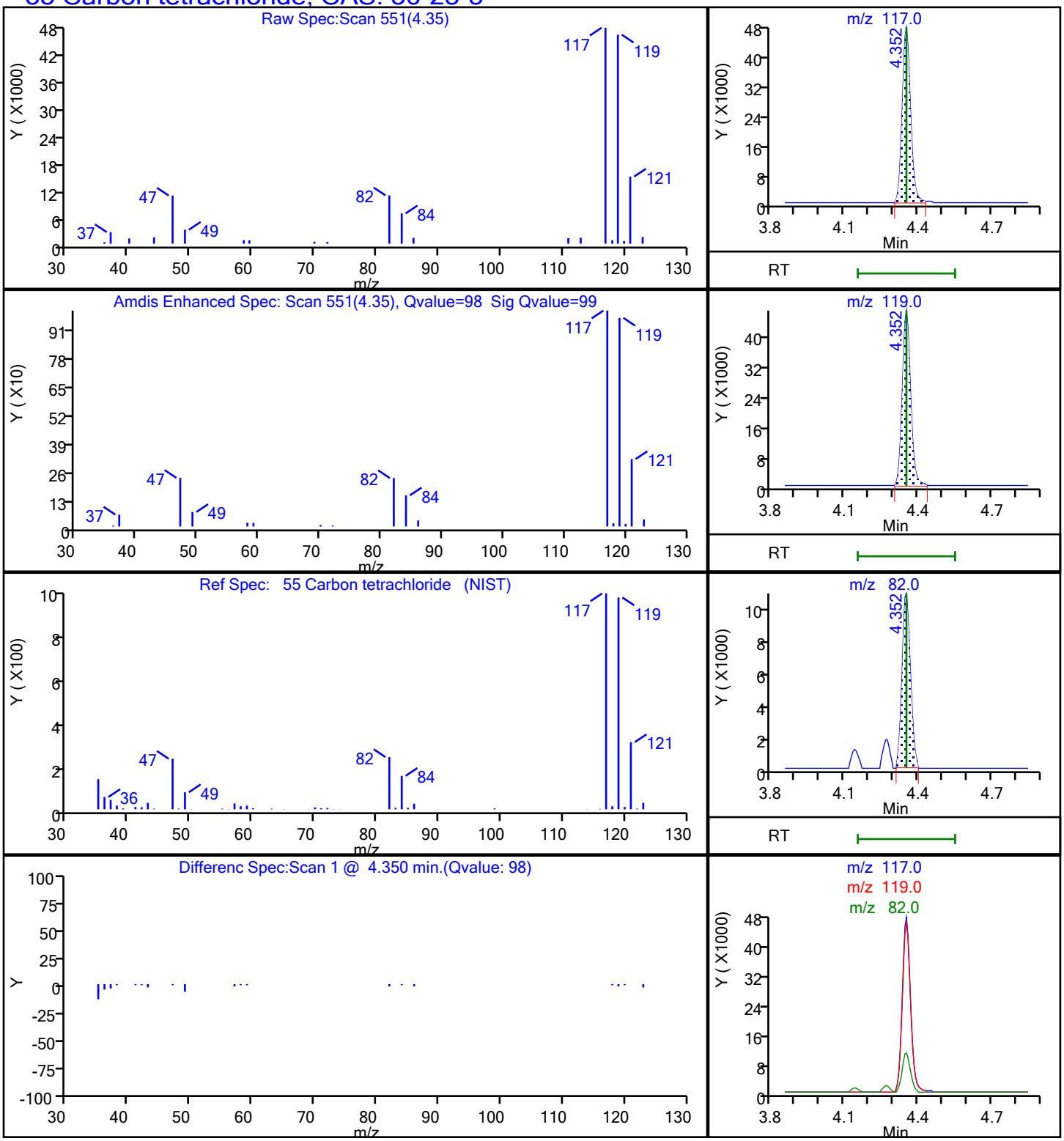
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d
Injection Date: 24-Sep-2024 15:55:30 Instrument ID: HP5975D
Lims ID: 480-223647-C-2 Lab Sample ID: 480-223647-2
Client ID: GW-m-27D-09232024
Operator ID: LH ALS Bottle#: 14 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

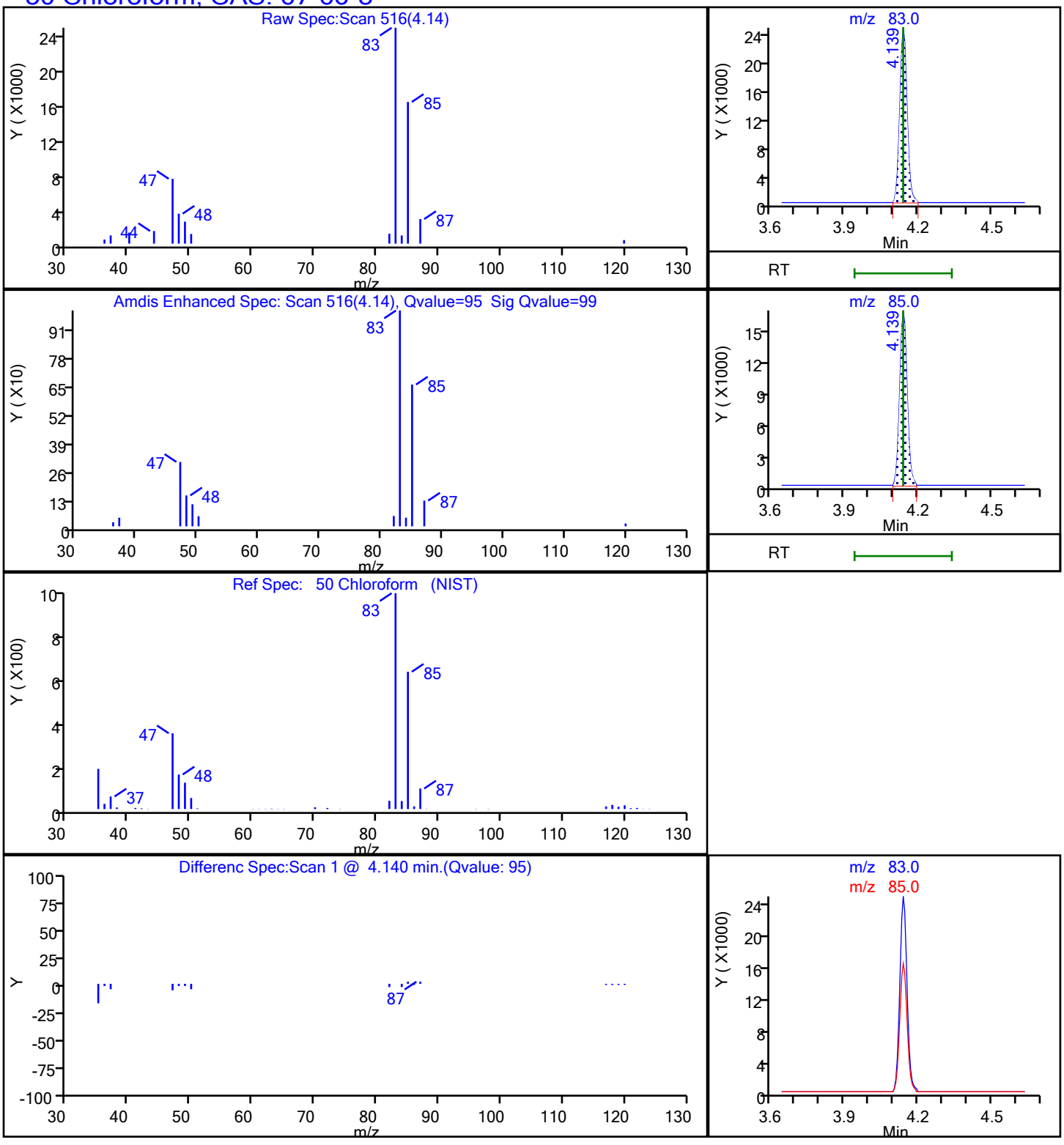
55 Carbon tetrachloride, CAS: 56-23-5



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d
Injection Date: 24-Sep-2024 15:55:30 Instrument ID: HP5975D
Lims ID: 480-223647-C-2 Lab Sample ID: 480-223647-2
Client ID: GW-m-27D-09232024
Operator ID: LH ALS Bottle#: 14 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3



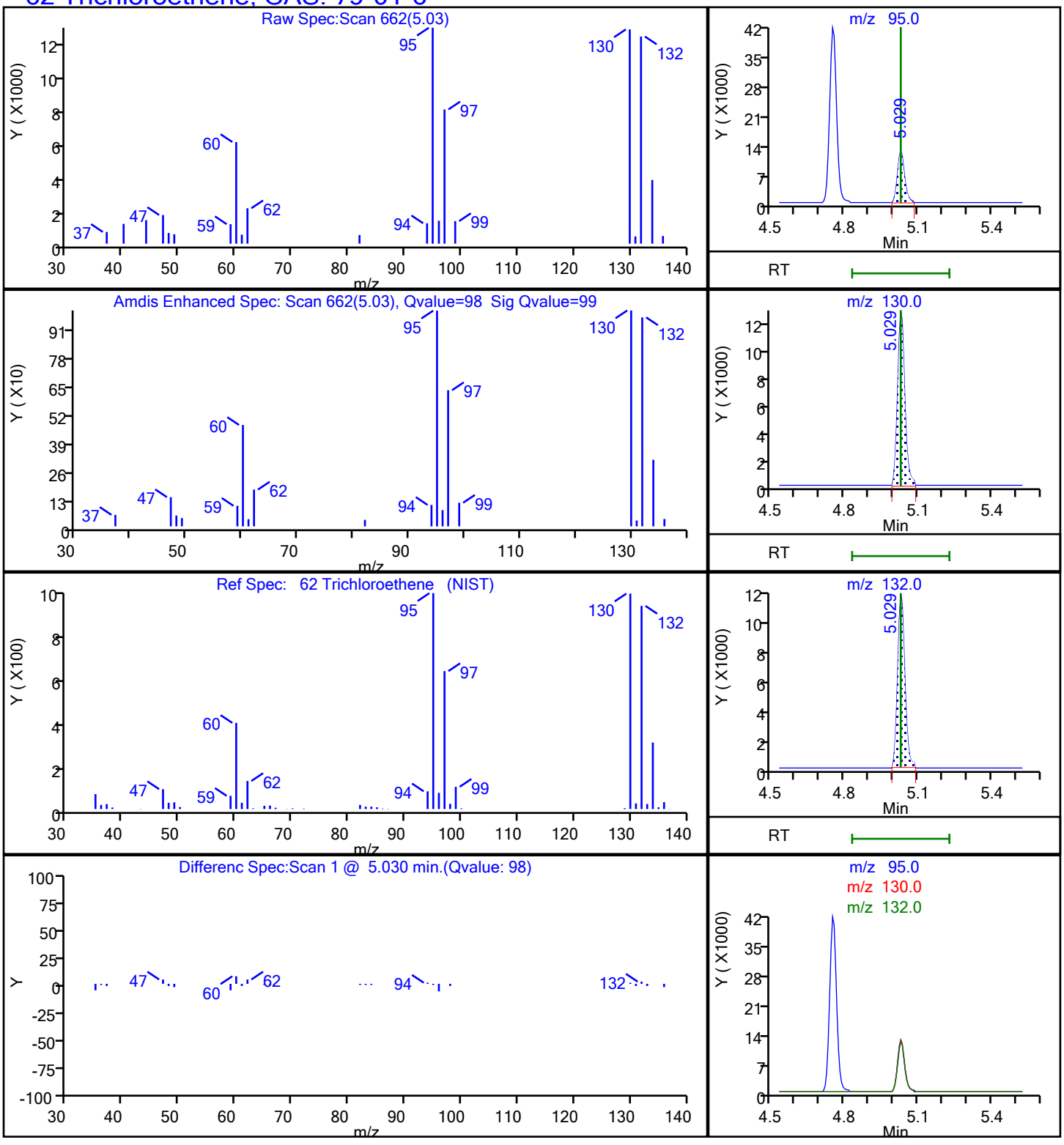
Report Date: 25-Sep-2024 10:04:03 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d

Injection Date:	24-Sep-2024 15:55:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-2	Lab Sample ID:	480-223647-2		
Client ID:	GW-m-27D-09232024				
Operator ID:	LH	ALS Bottle#:	14	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



10/4/2024
12:15:34 PM

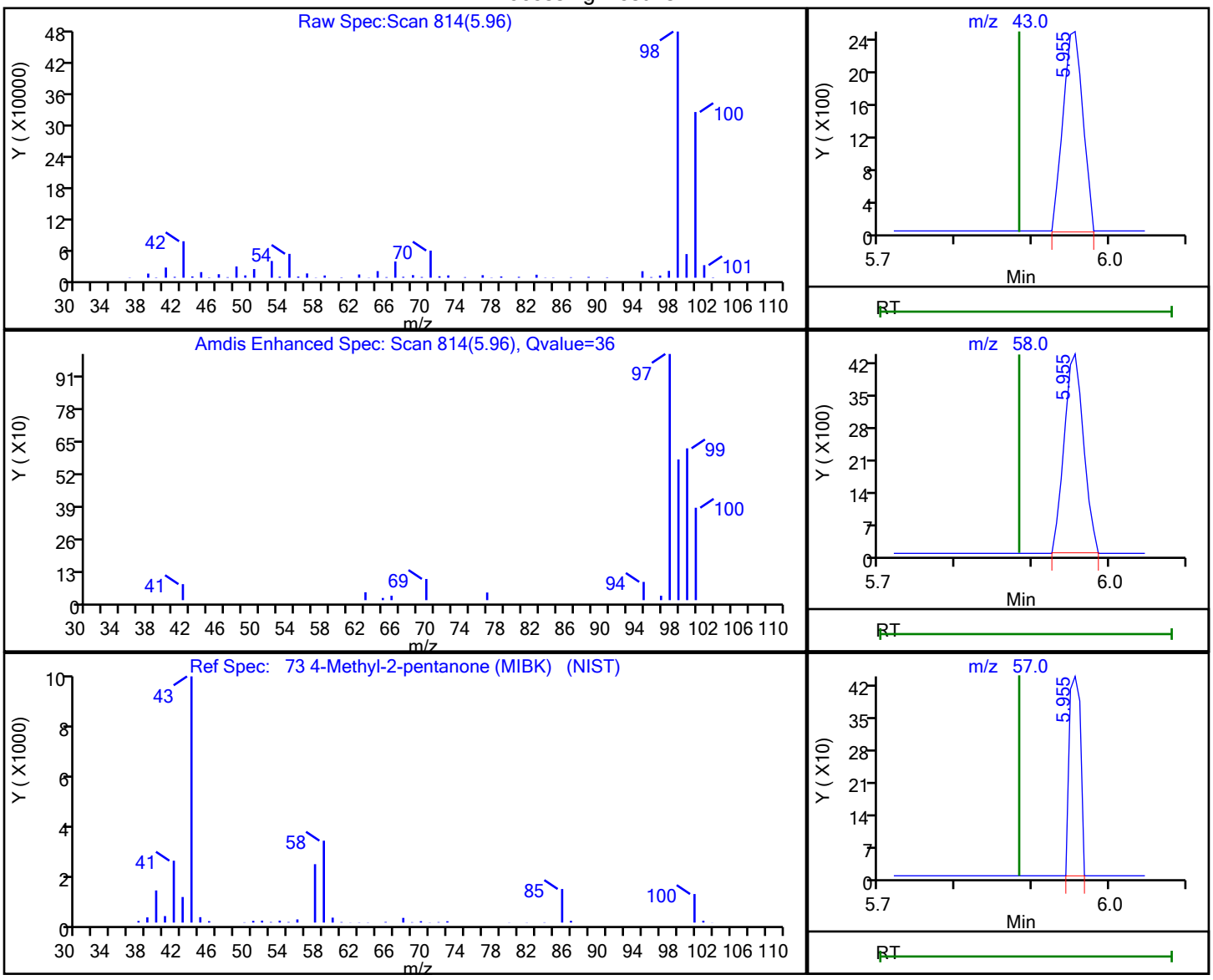
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d				
Injection Date:	24-Sep-2024 15:55:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-2	Lab Sample ID:	480-223647-2		
Client ID:	GW-m-27D-09232024				
Operator ID:	LH	ALS Bottle#:	14	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.96	43.00	4478	0.338408
5.96	58.00	7635	
5.96	57.00	452	

Reviewer: HF3K, 25-Sep-2024 10:03:47 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

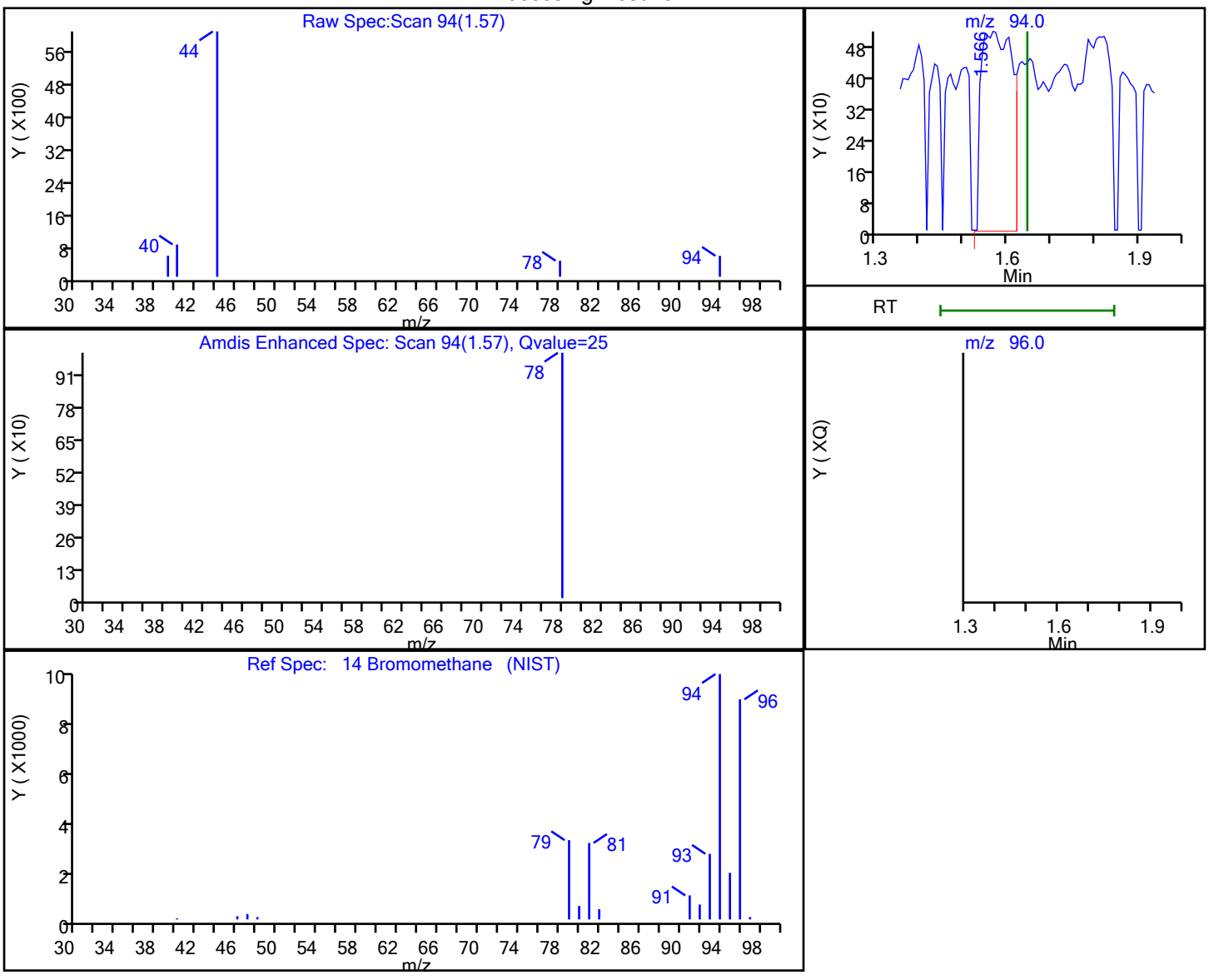
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d				
Injection Date:	24-Sep-2024 15:55:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-2	Lab Sample ID:	480-223647-2		
Client ID:	GW-m-27D-09232024				
Operator ID:	LH	ALS Bottle#:	14	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.57	94.00	2574	0.329238
1.64	96.00	0	

Reviewer: HF3K, 25-Sep-2024 10:01:46 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

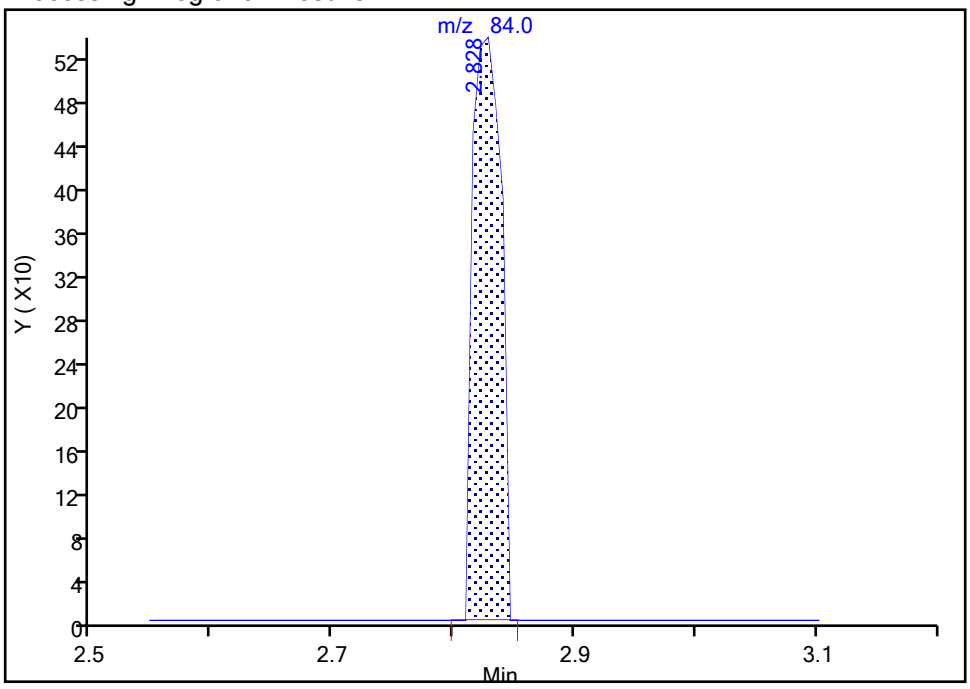
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6933.d				
Injection Date:	24-Sep-2024 15:55:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-2	Lab Sample ID:	480-223647-2		
Client ID:	GW-m-27D-09232024				
Operator ID:	LH	ALS Bottle#:	14	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

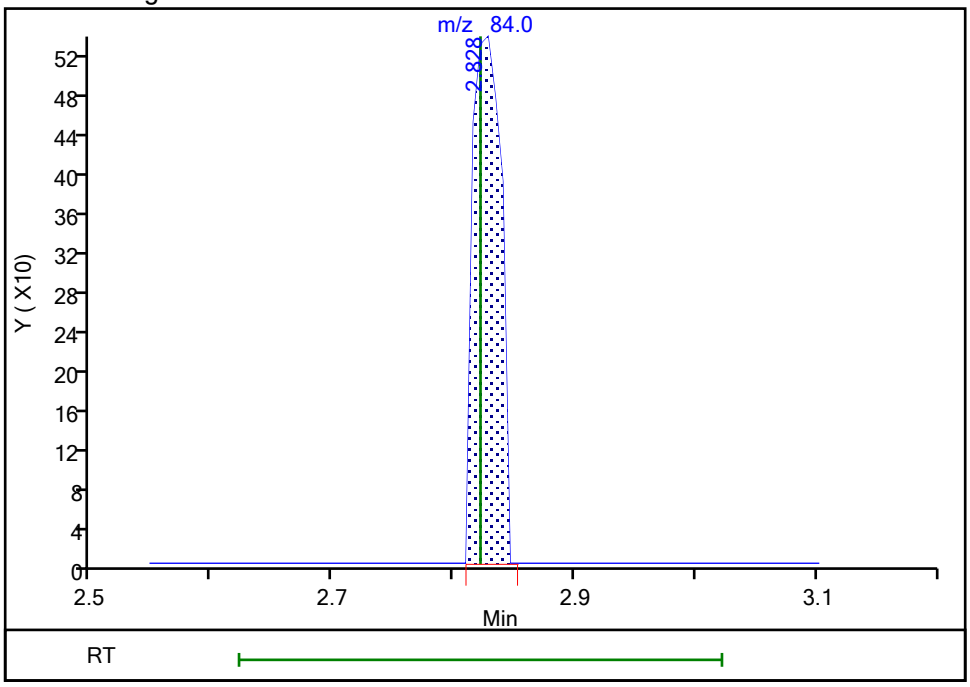
Processing Integration Results

RT: 2.83
Area: 861
Amount: -0.771129
Amount Units: ug/L



Manual Integration Results

RT: 2.83
Area: 861
Amount: -0.771129
Amount Units: ug/L



Reviewer: HF3K, 25-Sep-2024 10:02:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024 | Lab Sample ID: 480-223647-3

Matrix: Water | Lab File ID: S2403.d

Analysis Method: 8260C | Date Collected: 09/23/2024 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 16:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U F1	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024 | Lab Sample ID: 480-223647-3

Matrix: Water | Lab File ID: S2403.d

Analysis Method: 8260C | Date Collected: 09/23/2024 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 16:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U F1	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U F1	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2403.d
Lims ID: 480-223647-H-3
Client ID: SW-B-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 16:14:30 ALS Bottle#: 15 Worklist Smp#: 35
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-H-3
Misc. Info.: 480-0120183-035
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:33:19 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: QR3Z Date: 25-Sep-2024 09:33:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	140960	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	84	276191	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	95	300302	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	57	181512	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.496	4.490	0.006	97	118727	26.5	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	94	647518	26.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.961	0.000	93	210342	23.6	
10 Dichlorodifluoromethane	85		0.992				ND	
12 Chloromethane	50		1.126				ND	
13 Vinyl chloride	62		1.199				ND	
14 Bromomethane	94		1.442				ND	
15 Chloroethane	64		1.515				ND	
17 Trichlorofluoromethane	101		1.691				ND	
22 1,1-Dichloroethene	96		2.105				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.117				ND	
23 Acetone	43	2.221	2.221	-0.006	70	1990	0.4896	a
26 Carbon disulfide	76		2.282				ND	
27 Methyl acetate	43		2.501				ND	
30 Methylene Chloride	84		2.586				ND	7
32 Methyl tert-butyl ether	73		2.786				ND	
34 trans-1,2-Dichloroethene	96		2.799				ND	
39 1,1-Dichloroethane	63		3.200				ND	
45 cis-1,2-Dichloroethene	96		3.736				ND	
43 2-Butanone (MEK)	43		3.778				ND	
50 Chloroform	83		4.046				ND	
52 Cyclohexane	56		4.137				ND	
51 1,1,1-Trichloroethane	97		4.143				ND	
55 Carbon tetrachloride	117		4.271				ND	
57 Benzene	78		4.490				ND	
58 1,2-Dichloroethane	62		4.563				ND	
62 Trichloroethene	95		5.092				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.196				ND	
65 1,2-Dichloropropane	63		5.329				ND	
68 Dichlorobromomethane	83		5.621				ND	
72 cis-1,3-Dichloropropene	75		6.035				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92		6.309				ND	
77 trans-1,3-Dichloropropene	75		6.607				ND	
79 1,1,2-Trichloroethane	83		6.789				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.027				ND	
83 Chlorodibromomethane	129		7.173				ND	
84 Ethylene Dibromide	107		7.264				ND	
87 Chlorobenzene	112		7.739				ND	
88 Ethylbenzene	91		7.836				ND	
90 m-Xylene & p-Xylene	106		7.958				ND	
91 o-Xylene	106		8.377				ND	
92 Styrene	104		8.408				ND	
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105		8.761				ND	
97 1,1,2,2-Tetrachloroethane	83		9.192				ND	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.178				ND	
116 1,2-Dichlorobenzene	146		10.537				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.297				ND	
119 1,2,4-Trichlorobenzene	180		11.973				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

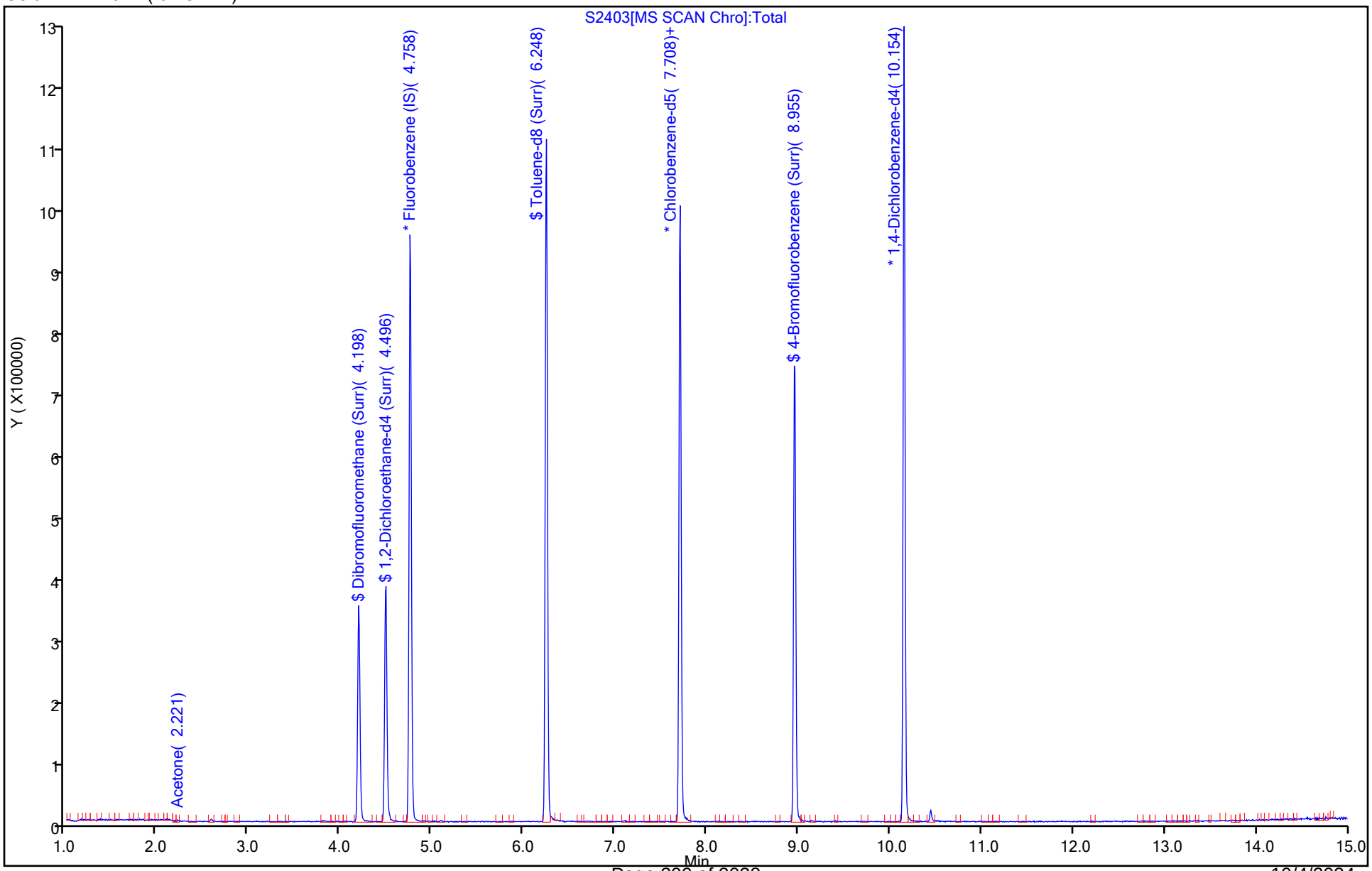
Report Date: 25-Sep-2024 09:33:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2403.d

Injection Date:	24-Sep-2024 16:14:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223647-H-3	Lab Sample ID:	480-223647-3	Worklist Smp#:	35
Client ID:	SW-B-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2403.d
Lims ID: 480-223647-H-3
Client ID: SW-B-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 16:14:30 ALS Bottle#: 15 Worklist Smp#: 35
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-H-3
Misc. Info.: 480-0120183-035
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:33:19 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: QR3Z Date: 25-Sep-2024 09:33:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.2	100.95
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	26.5	105.96
$ 5 Toluene-d8 (Surr)	25.0	26.3	105.03
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.6	94.29

Manual Integration/User Assign Peak Report

Eurofins Buffalo

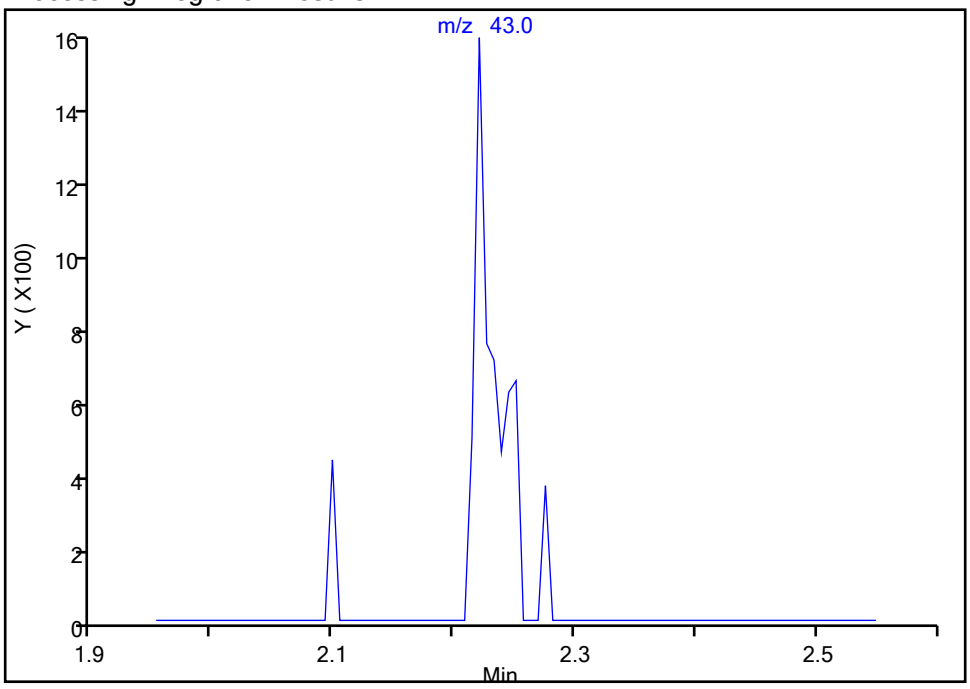
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2403.d				
Injection Date:	24-Sep-2024 16:14:30	Instrument ID:	HP5973S		
Lims ID:	480-223647-H-3	Lab Sample ID:	480-223647-3		
Client ID:	SW-B-09232024				
Operator ID:	ZN	ALS Bottle#:	15	Worklist Smp#:	35
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

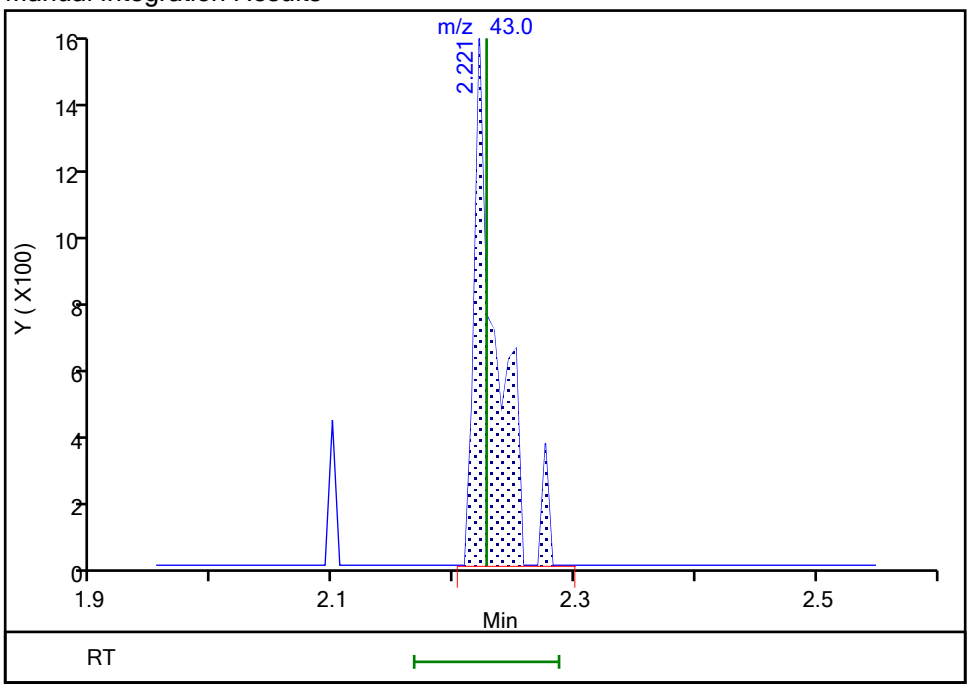
Not Detected
Expected RT: 2.23

Processing Integration Results



Manual Integration Results

RT: 2.22
Area: 1990
Amount: 0.489612
Amount Units: ug/L



Reviewer: QR3Z, 25-Sep-2024 09:33:02 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: FD-1-09232024 | Lab Sample ID: 480-223647-4

Matrix: Water | Lab File ID: D6934.d

Analysis Method: 8260C | Date Collected: 09/23/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 16:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: FD-1-09232024 | Lab Sample ID: 480-223647-4

Matrix: Water | Lab File ID: D6934.d

Analysis Method: 8260C | Date Collected: 09/23/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 16:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6934.d
Lims ID: 480-223647-C-4
Client ID: FD-1-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 16:17:30 ALS Bottle#: 15 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-C-4
Misc. Info.: 480-0120181-013
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 10:05:30 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 10:05:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	186802	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.101	0.000	87	374833	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.010	9.003	0.007	95	415485	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.273	4.267	0.006	93	303896	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	168485	24.7	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	892934	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.059	8.052	0.007	94	309308	24.6	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	7
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.919				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.365				ND	
23 Acetone	43		2.456				ND	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84		2.822				ND	7
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43		3.901				ND	
50 Chloroform	83		4.139				ND	
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117		4.352				ND	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95	5.035	5.029	0.006	78	917	0.0961	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.449				ND	
72 cis-1,3-Dichloropropene	75		5.778				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.126				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.284				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.028				ND	
116 1,2-Dichlorobenzene	146		9.345				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

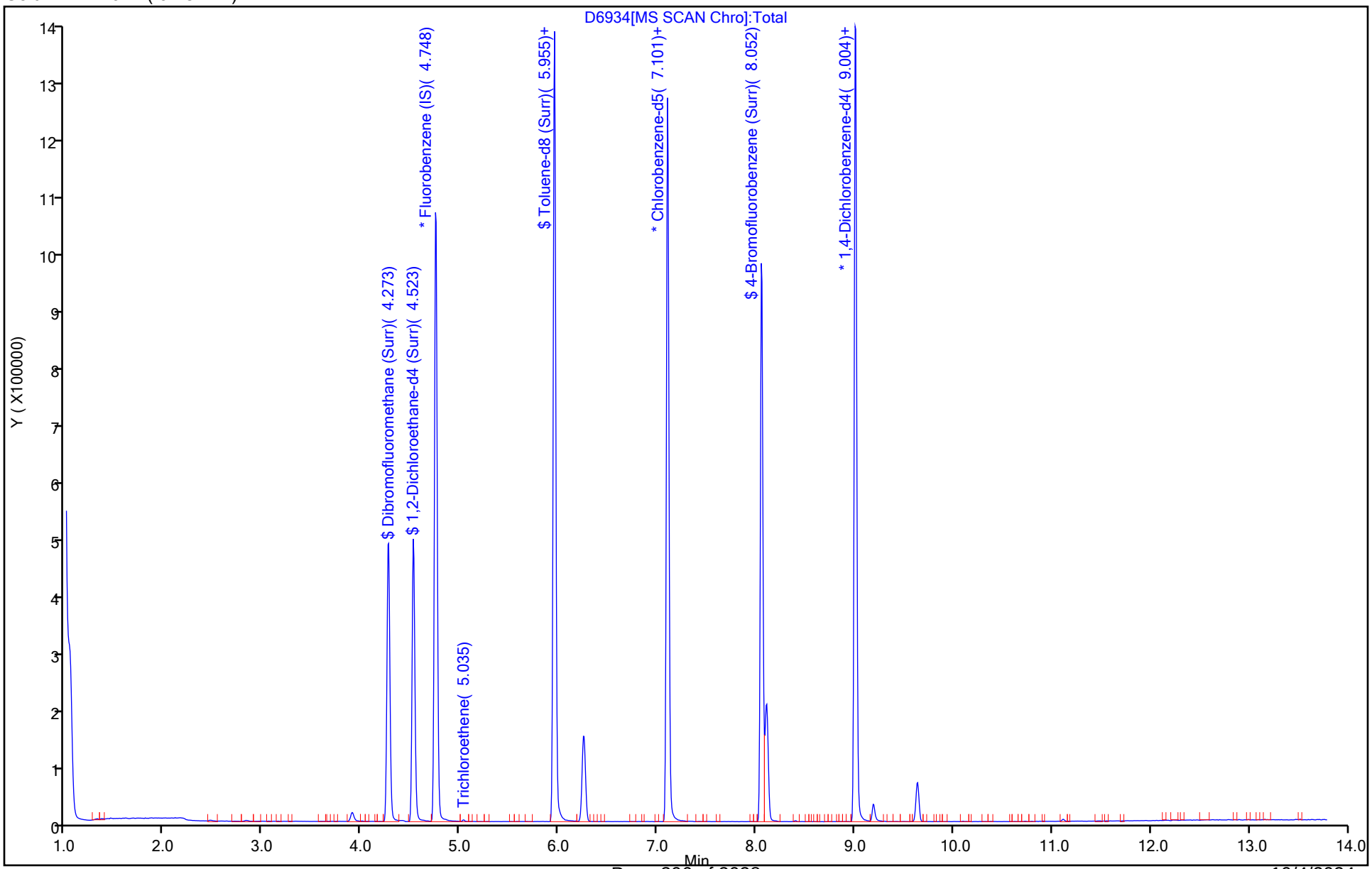
Report Date: 25-Sep-2024 10:05:30 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6934.d

Injection Date:	24-Sep-2024 16:17:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223647-C-4	Lab Sample ID:	480-223647-4	Worklist Smp#:	13
Client ID:	FD-1-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6934.d
Lims ID: 480-223647-C-4
Client ID: FD-1-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 16:17:30 ALS Bottle#: 15 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-C-4
Misc. Info.: 480-0120181-013
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 10:05:30 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 10:05:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.3	101.21
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.7	98.95
$ 5 Toluene-d8 (Surr)	25.0	24.7	98.74
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.6	98.46

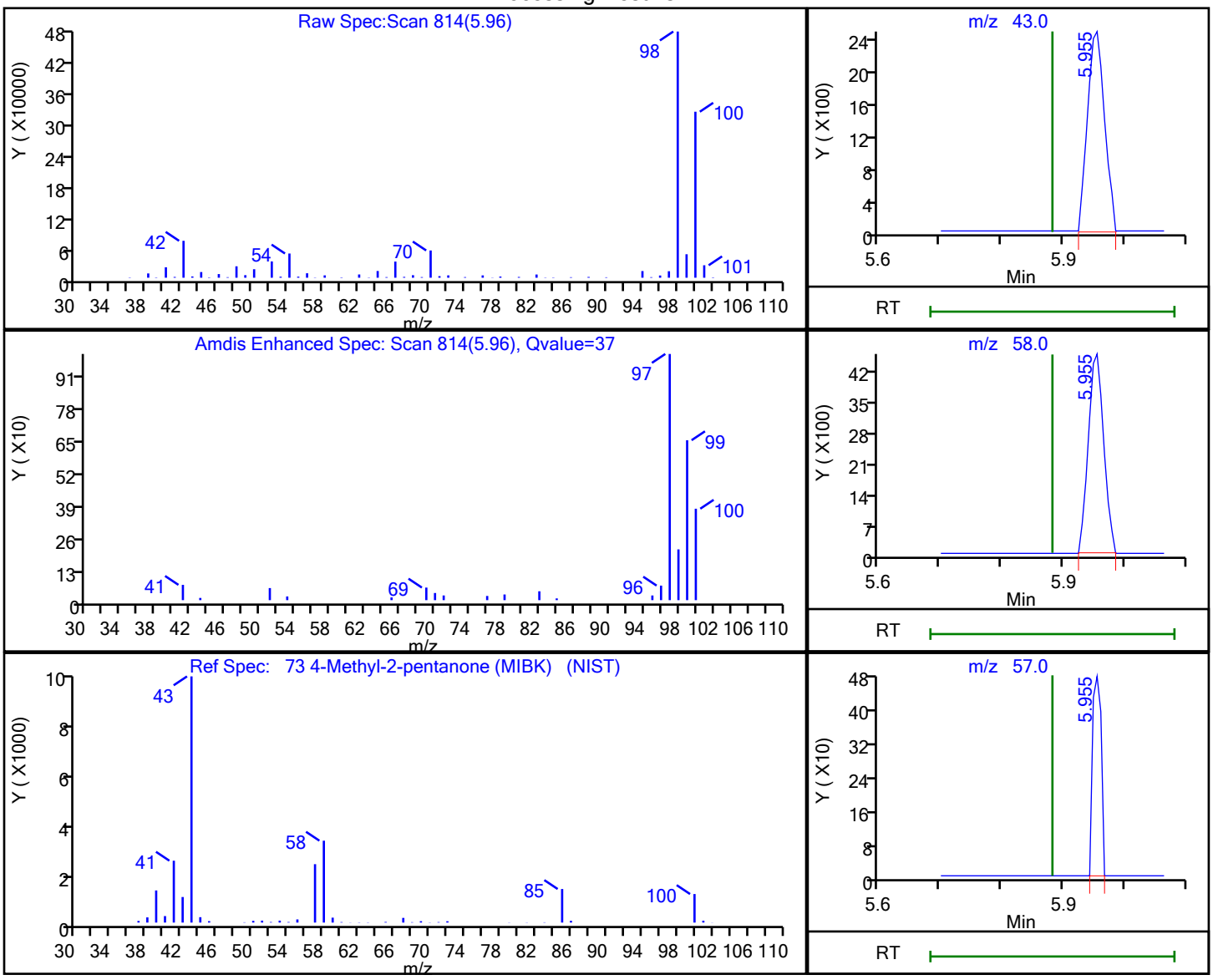
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6934.d				
Injection Date:	24-Sep-2024 16:17:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-4	Lab Sample ID:	480-223647-4		
Client ID:	FD-1-09232024				
Operator ID:	LH	ALS Bottle#:	15	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.96	43.00	4781	0.364559
5.96	58.00	8005	
5.96	57.00	472	

Reviewer: HF3K, 25-Sep-2024 10:04:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-1-09232024 | Lab Sample ID: 480-223647-5

Matrix: Water | Lab File ID: D6935.d

Analysis Method: 8260C | Date Collected: 09/23/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 16:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-1-09232024 | Lab Sample ID: 480-223647-5

Matrix: Water | Lab File ID: D6935.d

Analysis Method: 8260C | Date Collected: 09/23/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 16:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6935.d
Lims ID: 480-223647-G-5
Client ID: TB-1-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 16:39:30 ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-G-5
Misc. Info.: 480-0120181-014
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 10:06:31 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 10:06:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	187392	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.101	0.000	87	388239	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.010	9.003	0.007	95	419985	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	303272	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	172513	25.2	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	925794	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.059	8.052	0.006	95	317183	24.4	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	7
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	7
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.919				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.365				ND	
23 Acetone	43	2.468	2.468	0.012	91	4363	1.10	a
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84		2.822				ND	7
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43		3.901				ND	
50 Chloroform	83		4.139				ND	
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117		4.352				ND	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95		5.029				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.449				ND	
72 cis-1,3-Dichloropropene	75		5.778				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.126				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.284				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.028				ND	
116 1,2-Dichlorobenzene	146		9.345				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

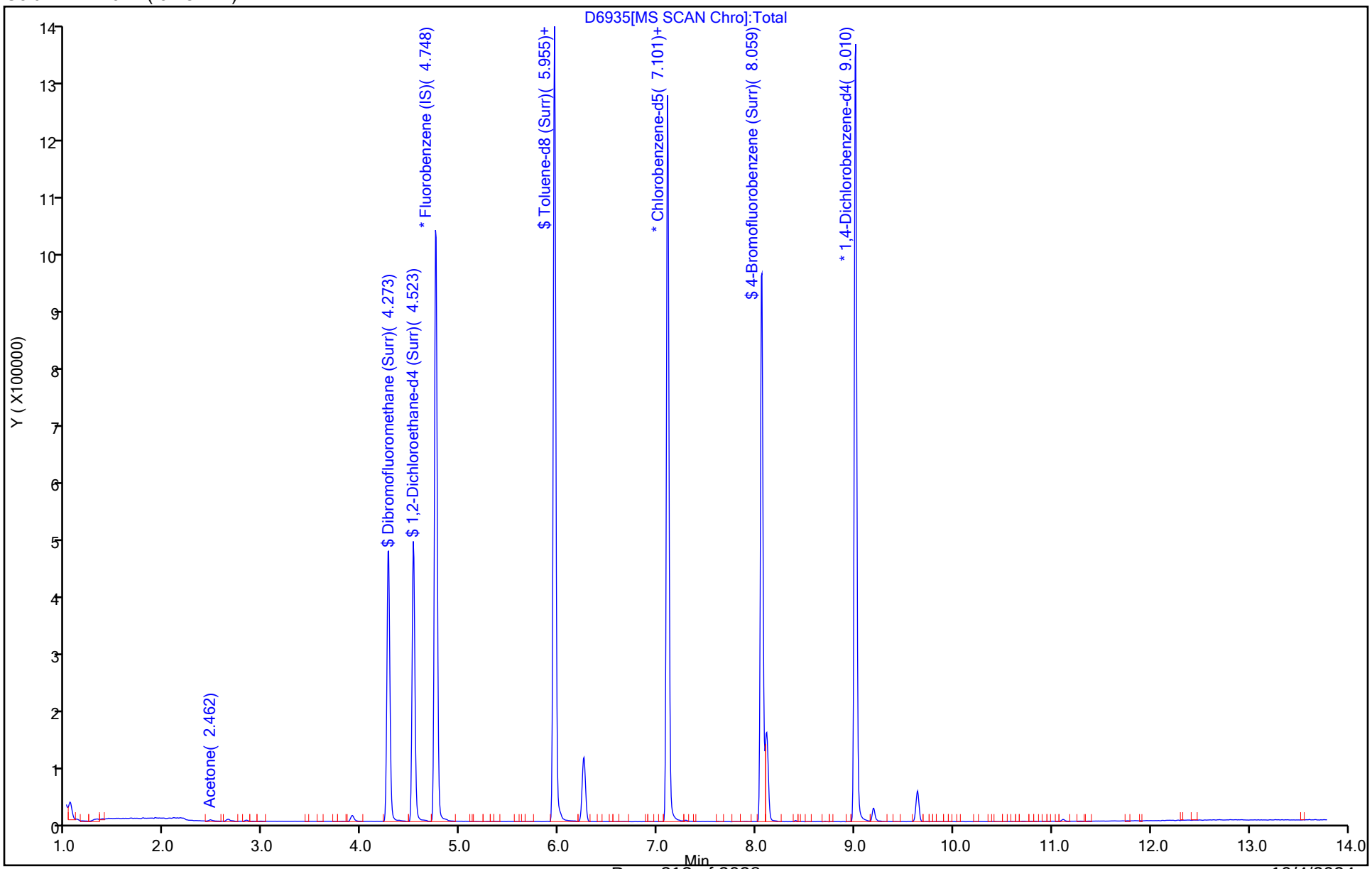
Report Date: 25-Sep-2024 10:06:31 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6935.d

Injection Date:	24-Sep-2024 16:39:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223647-G-5	Lab Sample ID:	480-223647-5	Worklist Smp#:	14
Client ID:	TB-1-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6935.d
Lims ID: 480-223647-G-5
Client ID: TB-1-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 16:39:30 ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-G-5
Misc. Info.: 480-0120181-014
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 10:06:31 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 10:06:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.2	100.69
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.2	100.99
$ 5 Toluene-d8 (Surr)	25.0	24.7	98.84
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.4	97.49

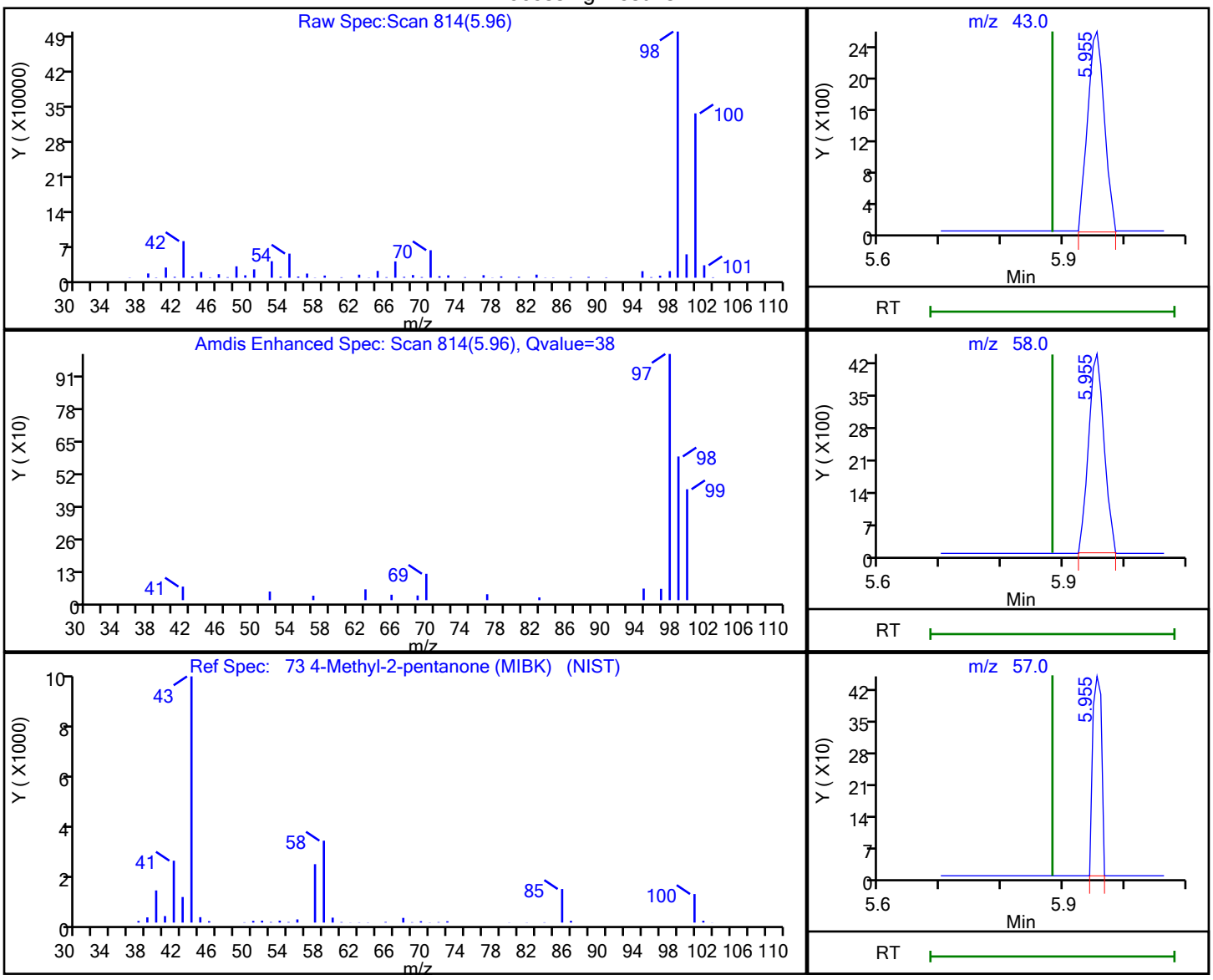
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6935.d				
Injection Date:	24-Sep-2024 16:39:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-G-5	Lab Sample ID:	480-223647-5		
Client ID:	TB-1-09232024				
Operator ID:	LH	ALS Bottle#:	16	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.96	43.00	4778	0.351750
5.96	58.00	7722	
5.96	57.00	452	

Reviewer: HF3K, 25-Sep-2024 10:06:18 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

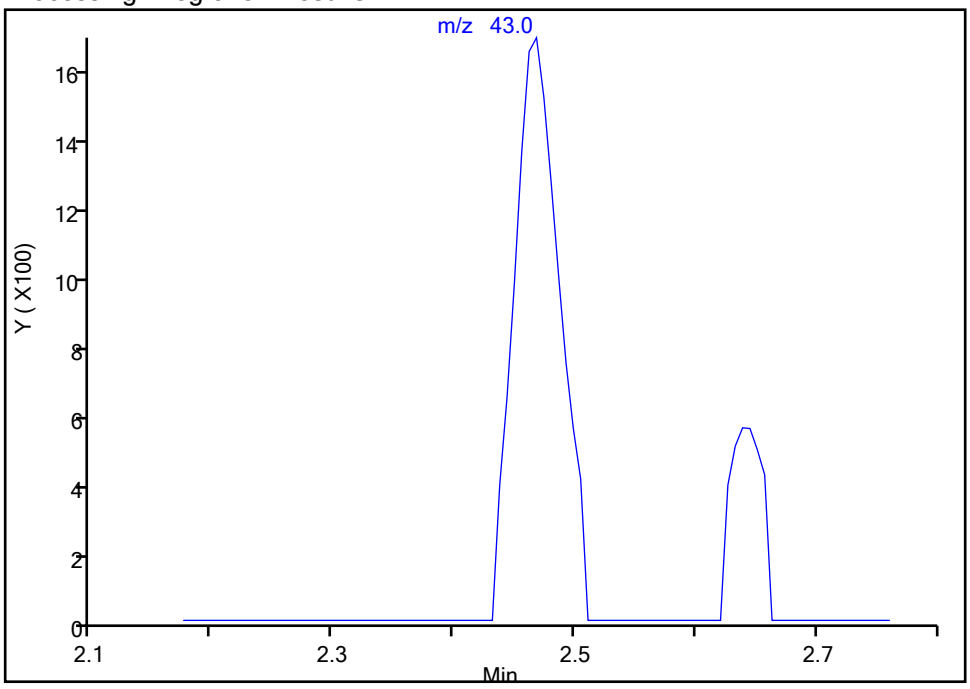
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6935.d				
Injection Date:	24-Sep-2024 16:39:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-G-5	Lab Sample ID:	480-223647-5		
Client ID:	TB-1-09232024				
Operator ID:	LH	ALS Bottle#:	16	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

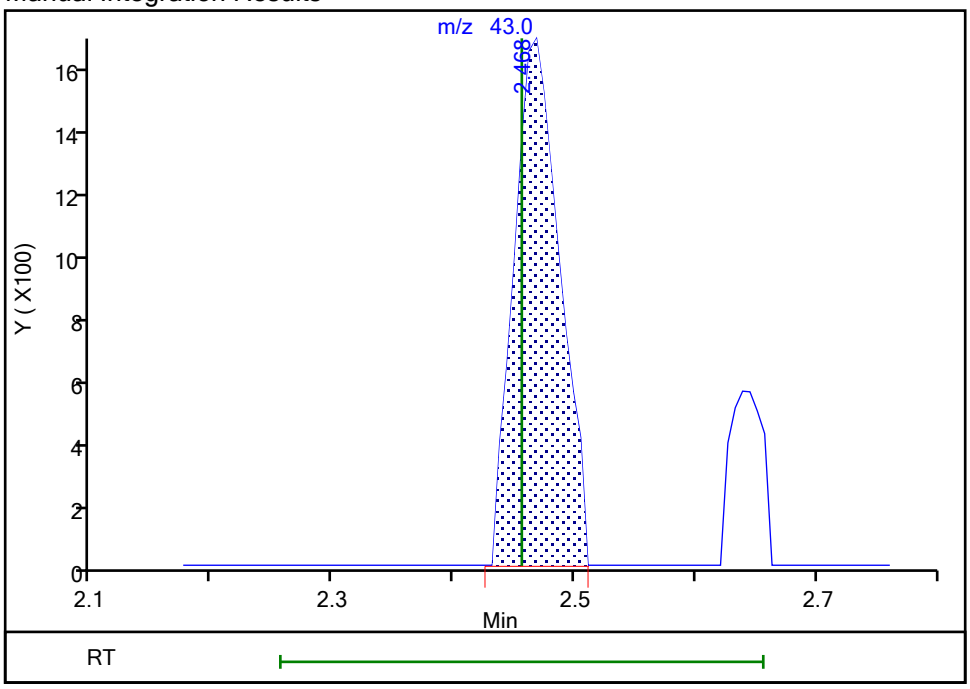
Not Detected
Expected RT: 2.46

Processing Integration Results



Manual Integration Results

RT: 2.47
Area: 4363
Amount: 1.100188
Amount Units: ug/L



Reviewer: HF3K, 25-Sep-2024 10:05:54 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-A-09232024 | Lab Sample ID: 480-223647-6

Matrix: Water | Lab File ID: D6936.d

Analysis Method: 8260C | Date Collected: 09/23/2024 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 17:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.81	J	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-A-09232024 | Lab Sample ID: 480-223647-6

Matrix: Water | Lab File ID: D6936.d

Analysis Method: 8260C | Date Collected: 09/23/2024 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 17:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6936.d
Lims ID: 480-223647-C-6
Client ID: SW-A-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 17:01:30 ALS Bottle#: 17 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-C-6
Misc. Info.: 480-0120181-015
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 10:07:28 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 10:07:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	185941	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	375602	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.010	9.003	0.007	95	414142	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	301806	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	100	170973	25.2	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	879124	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.059	8.052	0.007	95	310870	24.7	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	7
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.919				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.365				ND	
23 Acetone	43		2.456				ND	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84		2.822				ND	7
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43		3.901				ND	
50 Chloroform	83	4.139	4.139	0.000	94	14497	0.8150	
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117		4.352				ND	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95		5.029				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.449				ND	
72 cis-1,3-Dichloropropene	75		5.778				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.126				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.284				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.028				ND	
116 1,2-Dichlorobenzene	146		9.345				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

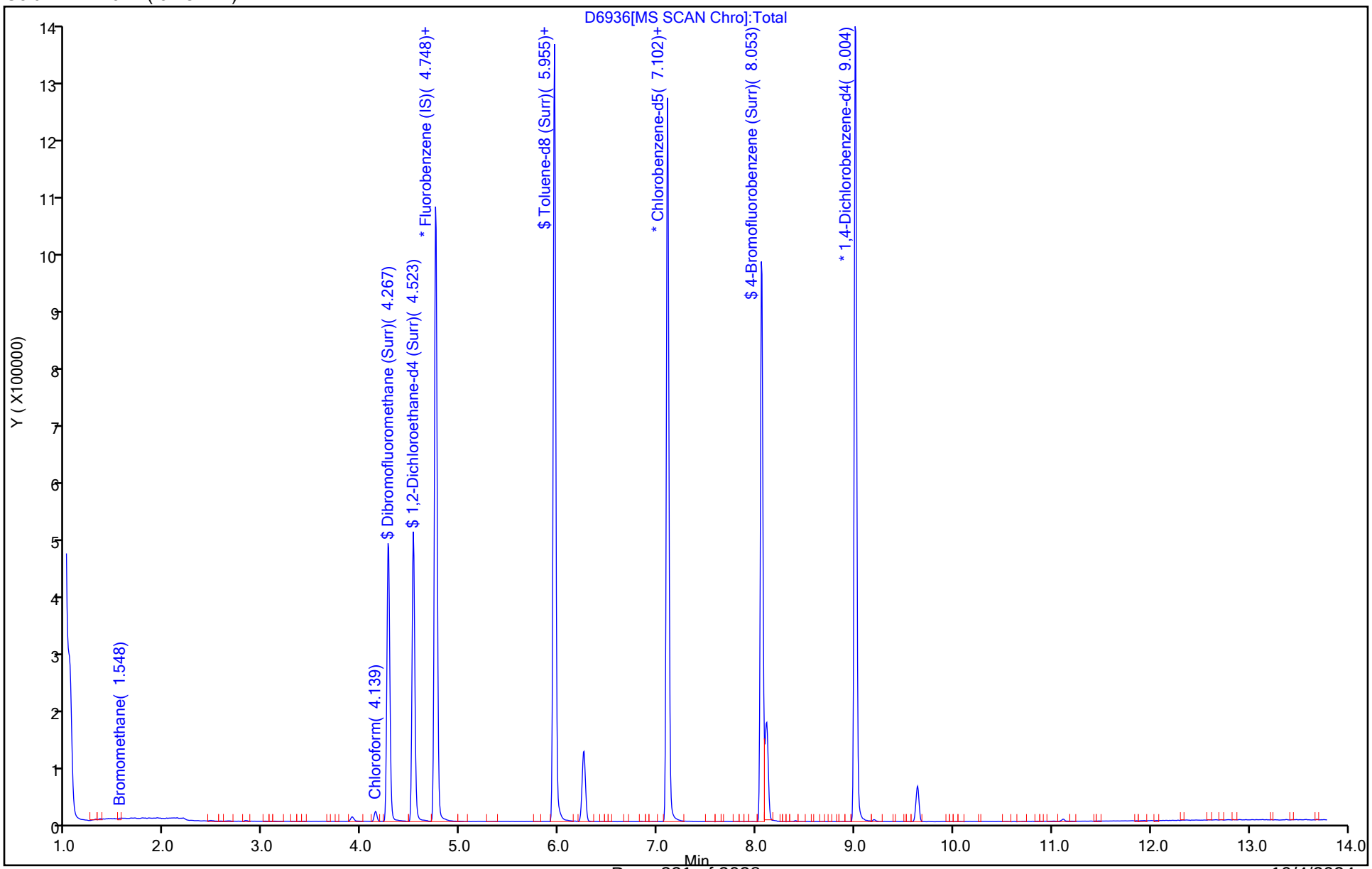
Report Date: 25-Sep-2024 10:07:29 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6936.d

Injection Date:	24-Sep-2024 17:01:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223647-C-6	Lab Sample ID:	480-223647-6	Worklist Smp#:	15
Client ID:	SW-A-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6936.d
Lims ID: 480-223647-C-6
Client ID: SW-A-09232024
Sample Type: Client
Inject. Date: 24-Sep-2024 17:01:30 ALS Bottle#: 17 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-C-6
Misc. Info.: 480-0120181-015
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 10:07:28 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 10:07:28

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.2	100.98
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.2	100.87
$ 5 Toluene-d8 (Surr)	25.0	24.3	97.02
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.7	98.76

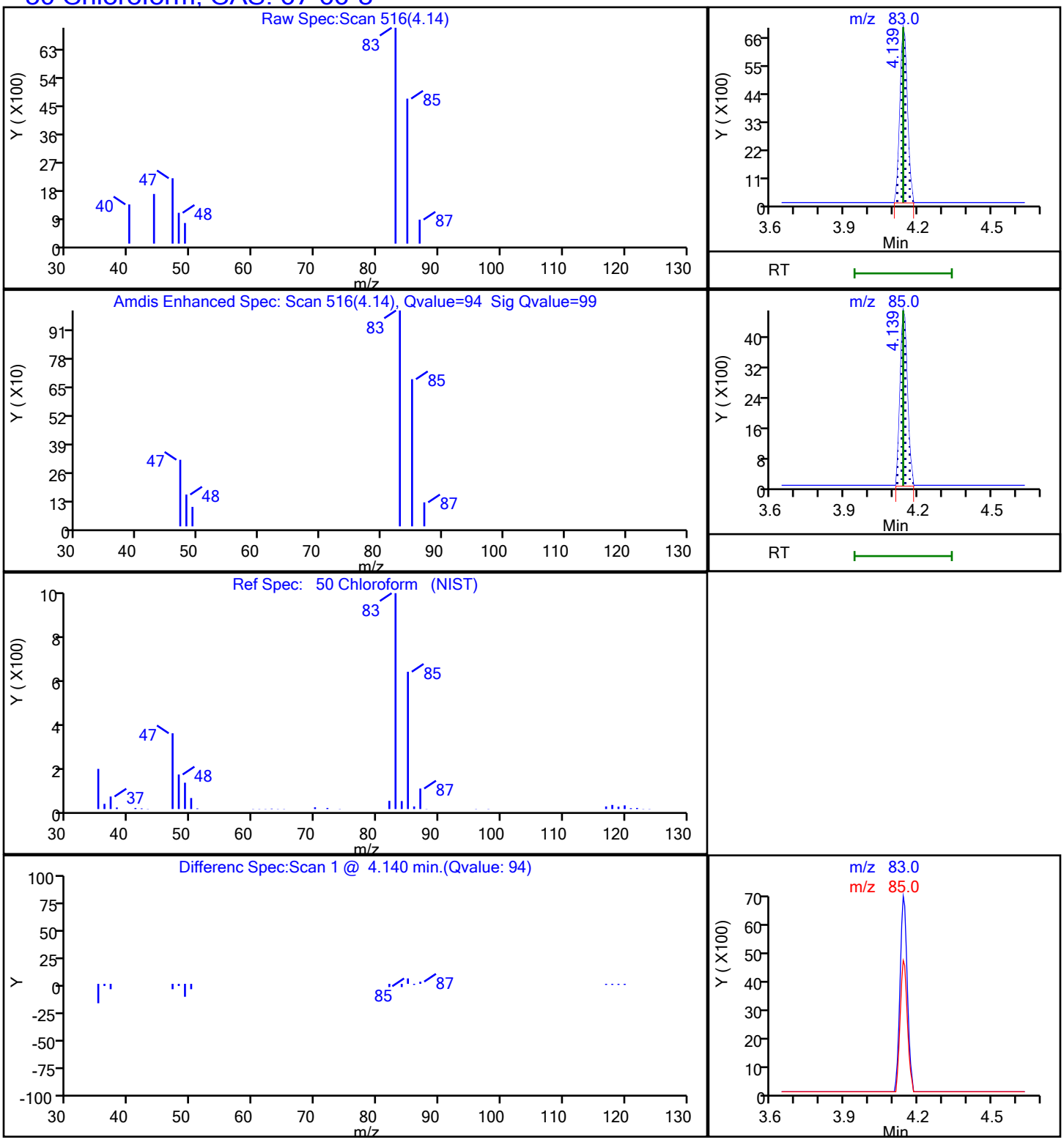
Report Date: 25-Sep-2024 10:07:29 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6936.d

Injection Date:	24-Sep-2024 17:01:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-6	Lab Sample ID:	480-223647-6		
Client ID:	SW-A-09232024				
Operator ID:	LH	ALS Bottle#:	17	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3



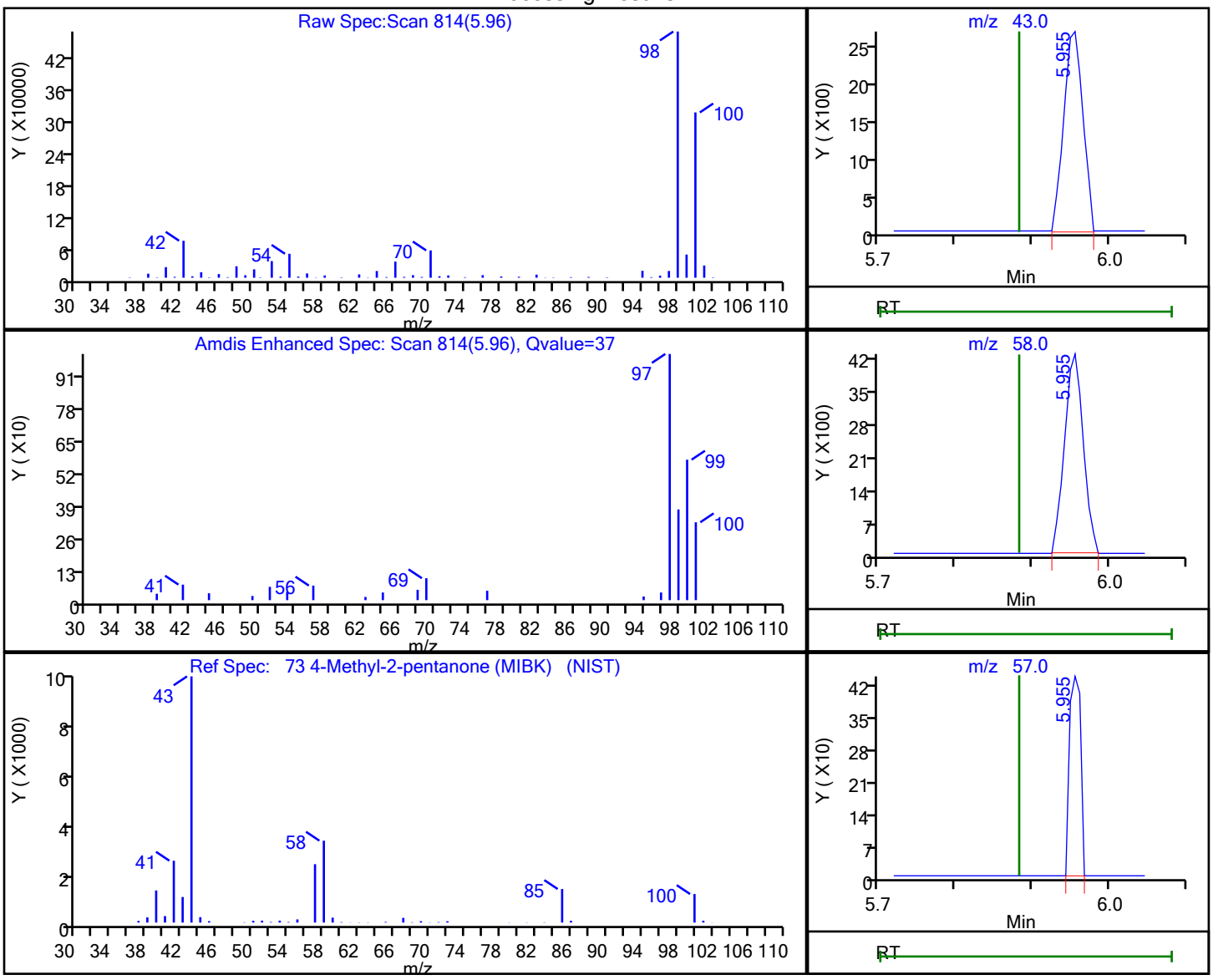
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6936.d				
Injection Date:	24-Sep-2024 17:01:30	Instrument ID:	HP5975D		
Lims ID:	480-223647-C-6	Lab Sample ID:	480-223647-6		
Client ID:	SW-A-09232024				
Operator ID:	LH	ALS Bottle#:	17	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.96	43.00	4628	0.352170
5.96	58.00	7354	
5.96	57.00	449	

Reviewer: HF3K, 25-Sep-2024 10:07:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26S-09242024 | Lab Sample ID: 480-223692-1

Matrix: Water | Lab File ID: D7003.d

Analysis Method: 8260C | Date Collected: 09/24/2024 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 06:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	3.9	J	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	4.2	J	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	0.74	J	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26S-09242024 | Lab Sample ID: 480-223692-1

Matrix: Water | Lab File ID: D7003.d

Analysis Method: 8260C | Date Collected: 09/24/2024 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 06:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	0.78	J	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7003.d
Lims ID: 480-223692-A-1
Client ID: GW-M-26S-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 06:01:30 ALS Bottle#: 55 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-A-1
Misc. Info.: 480-0120223-043
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 15:25:07 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 15:25:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	175684	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	361186	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.003	0.001	95	404761	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	92	288885	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	162054	25.3	
$ 5 Toluene-d8 (Surr)	98	5.949	5.955	-0.006	94	848677	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.001	93	298289	24.6	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	7
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.358				ND	
23 Acetone	43	2.462	2.468	0.000	97	15710	4.23	
26 Carbon disulfide	76		2.535				ND	7
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84		2.822				ND	
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43	3.913	3.901	0.012	98	22059	3.89	
50 Chloroform	83		4.139				ND	7
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117	4.346	4.352	-0.006	96	9019	0.7411	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95	5.029	5.029	0.000	95	7040	0.7842	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.443				ND	
72 cis-1,3-Dichloropropene	75		5.772				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.120				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.278				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.022				ND	
116 1,2-Dichlorobenzene	146		9.339				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00089 Amount Added: 1.00 Units: uL Run Reagent

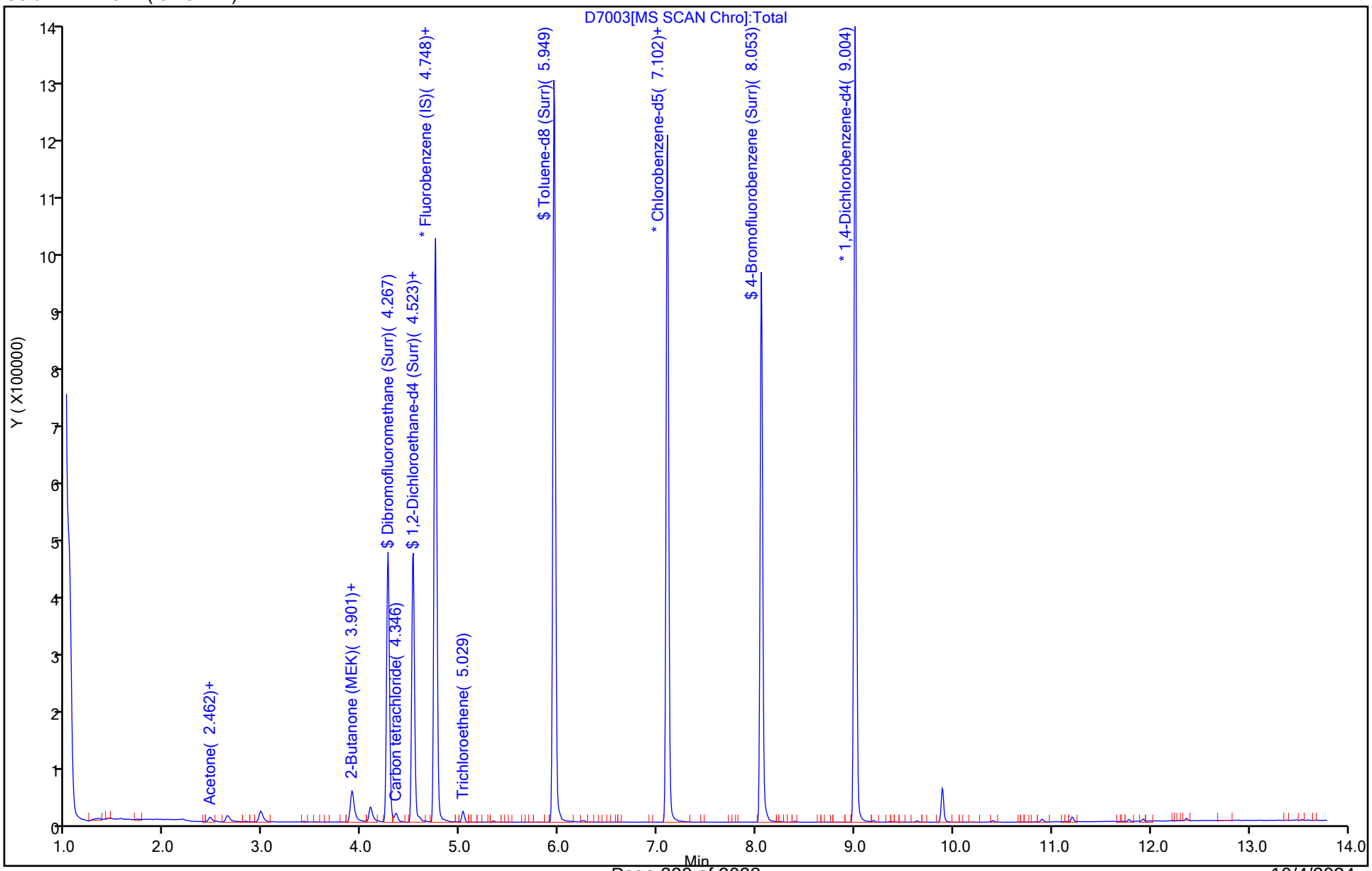
Report Date: 26-Sep-2024 15:25:08 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7003.d

Injection Date:	26-Sep-2024 06:01:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223692-A-1	Lab Sample ID:	480-223692-1	Worklist Smp#:	43
Client ID:	GW-M-26S-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	55
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7003.d
Lims ID: 480-223692-A-1
Client ID: GW-M-26S-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 06:01:30 ALS Bottle#: 55 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-A-1
Misc. Info.: 480-0120223-043
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 15:25:07 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

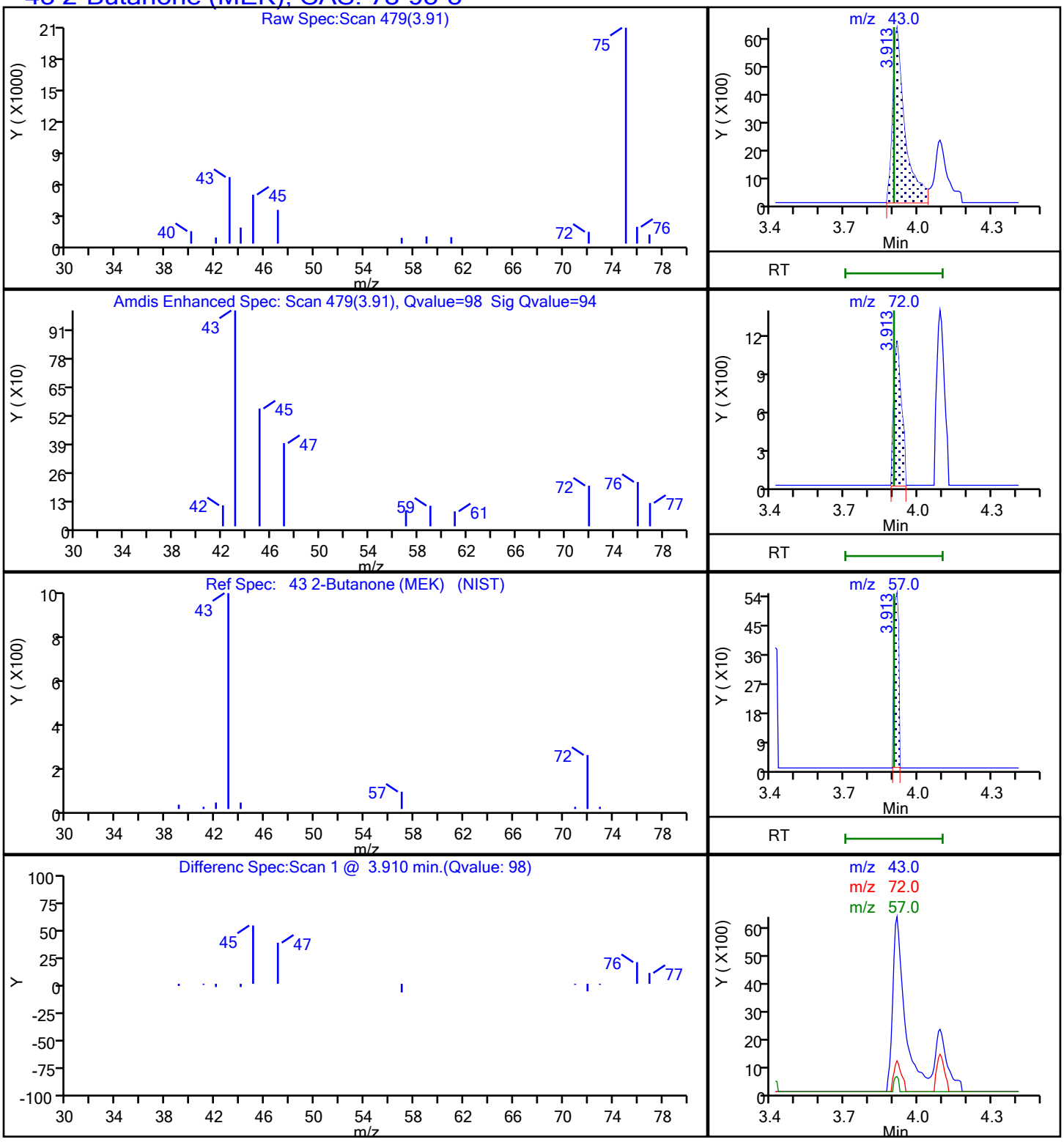
First Level Reviewer: QR3Z Date: 26-Sep-2024 15:25:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.6	102.30
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.3	101.19
$ 5 Toluene-d8 (Surr)	25.0	24.3	97.39
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.6	98.55

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7003.d				
Injection Date:	26-Sep-2024 06:01:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-1	Lab Sample ID:	480-223692-1		
Client ID:	GW-M-26S-09242024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

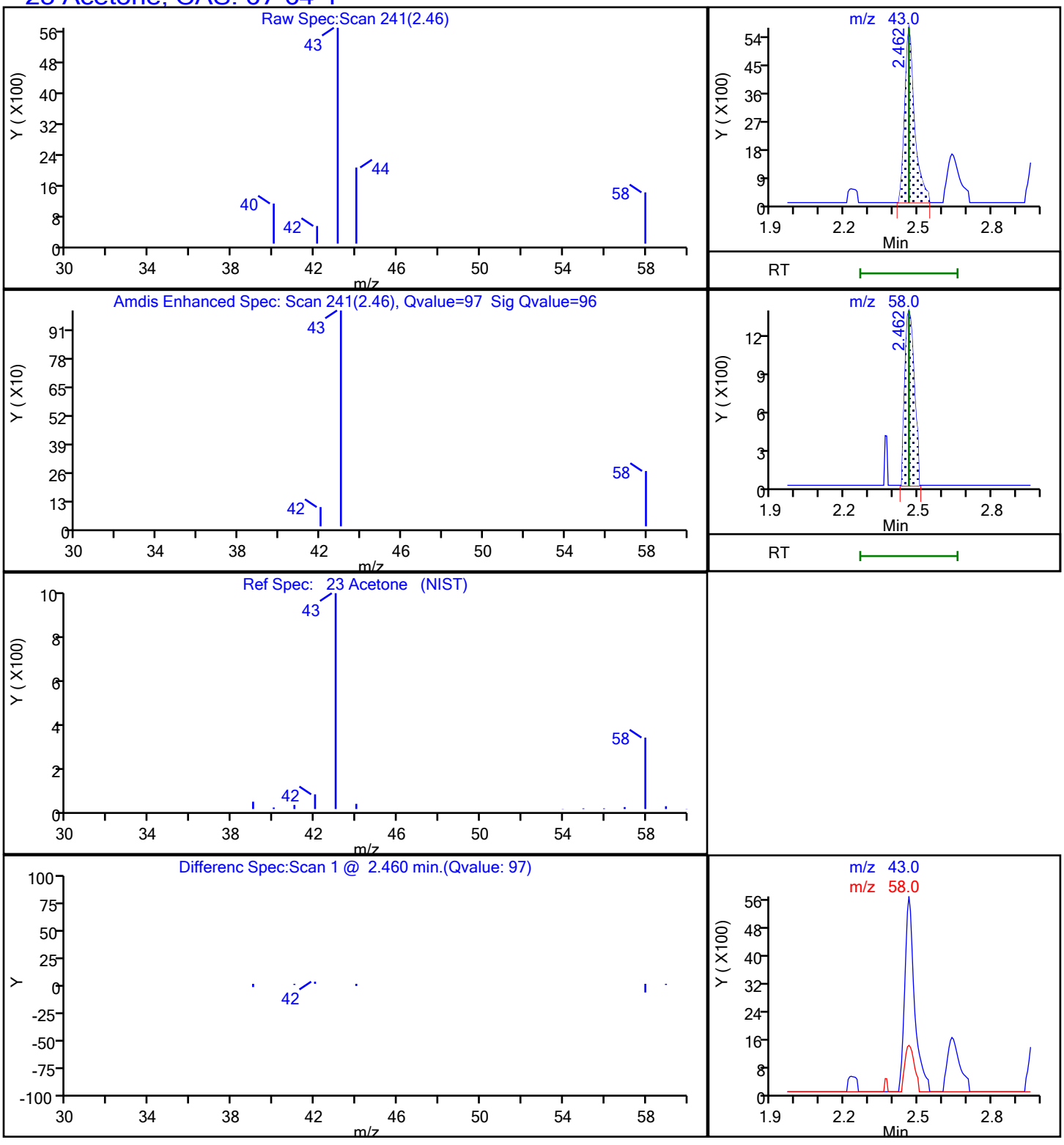
43 2-Butanone (MEK), CAS: 78-93-3



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7003.d
Injection Date: 26-Sep-2024 06:01:30 Instrument ID: HP5975D
Lims ID: 480-223692-A-1 Lab Sample ID: 480-223692-1
Client ID: GW-M-26S-09242024
Operator ID: LH ALS Bottle#: 55 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

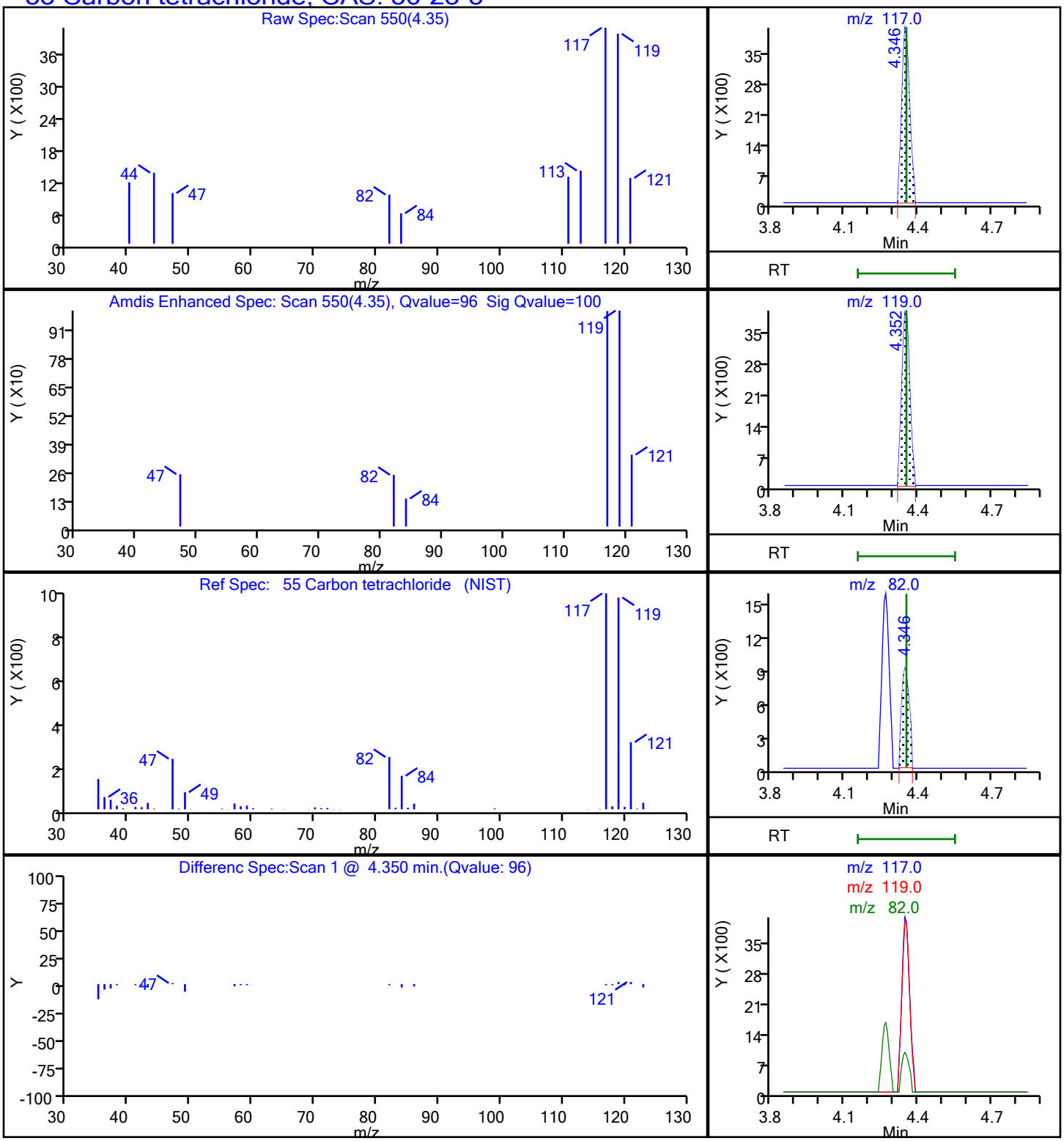


Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7003.d

Injection Date:	26-Sep-2024 06:01:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-1	Lab Sample ID:	480-223692-1		
Client ID:	GW-M-26S-09242024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

55 Carbon tetrachloride, CAS: 56-23-5



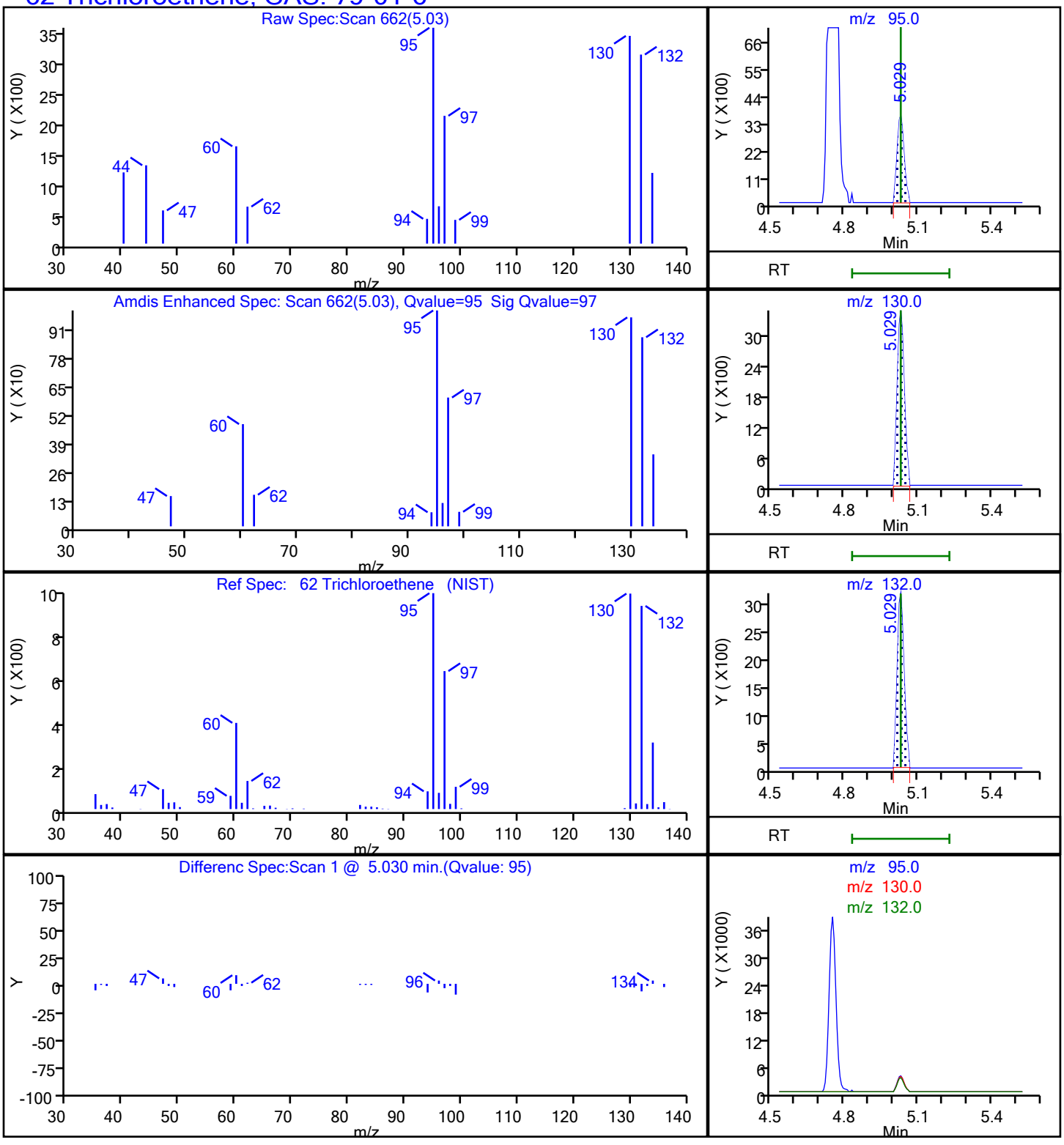
Report Date: 26-Sep-2024 15:25:08 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7003.d

Injection Date:	26-Sep-2024 06:01:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-1	Lab Sample ID:	480-223692-1		
Client ID:	GW-M-26S-09242024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



10/4/2024
12:15:34 PM

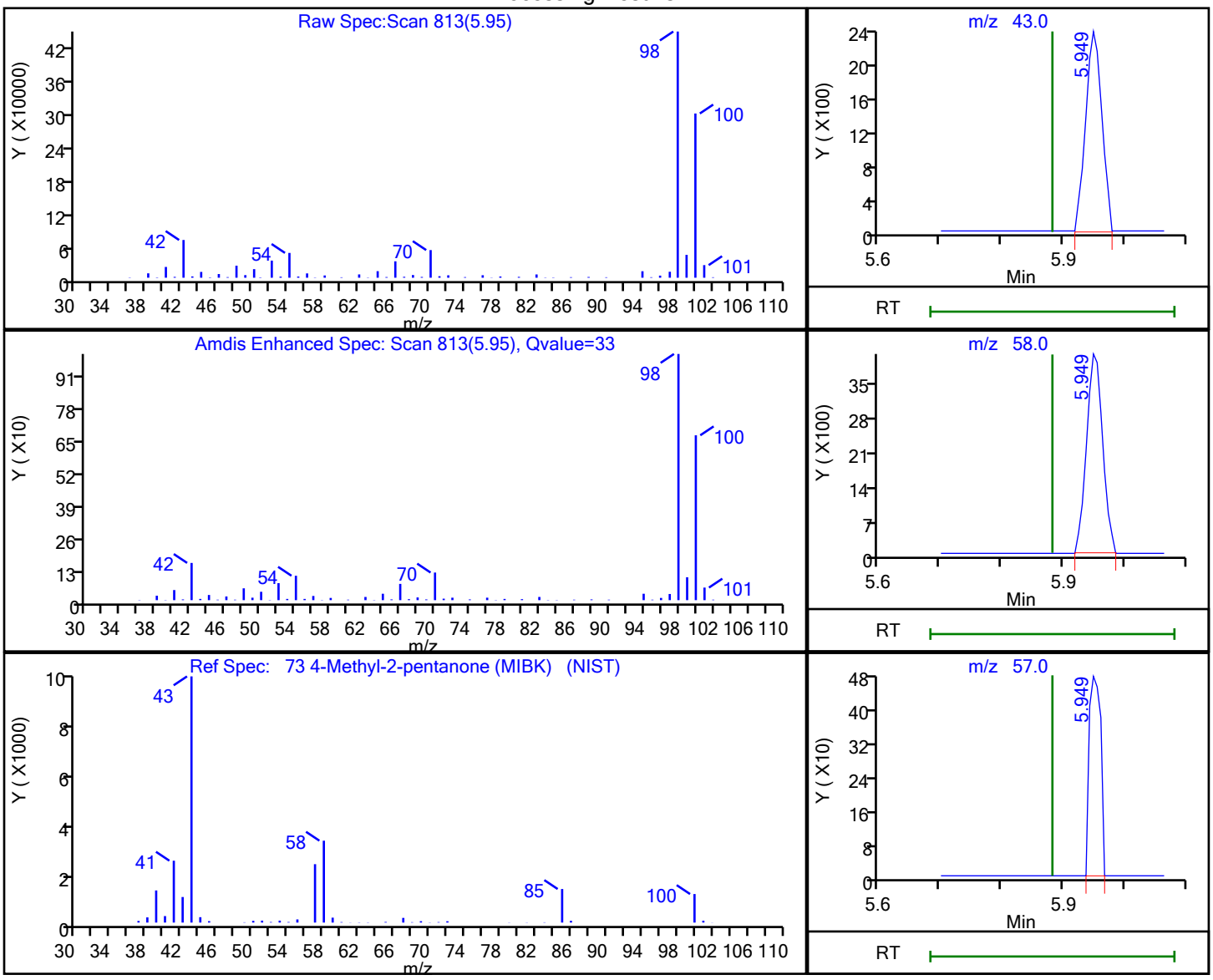
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7003.d				
Injection Date:	26-Sep-2024 06:01:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-1	Lab Sample ID:	480-223692-1		
Client ID:	GW-M-26S-09242024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4368	0.345652
5.95	58.00	7501	
5.95	57.00	623	

Reviewer: QR3Z, 26-Sep-2024 15:24:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26D-09242024 | Lab Sample ID: 480-223692-2

Matrix: Water | Lab File ID: D7004.d

Analysis Method: 8260C | Date Collected: 09/24/2024 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 06:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26D-09242024 | Lab Sample ID: 480-223692-2

Matrix: Water | Lab File ID: D7004.d

Analysis Method: 8260C | Date Collected: 09/24/2024 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 06:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7004.d
Lims ID: 480-223692-A-2
Client ID: GW-M-26D-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 06:23:30 ALS Bottle#: 56 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-A-2
Misc. Info.: 480-0120223-044
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 15:25:30 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 15:25:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	179781	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	360049	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.003	0.001	95	401436	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	294452	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	166634	25.4	
$ 5 Toluene-d8 (Surr)	98	5.949	5.955	-0.006	94	840602	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.001	94	298668	24.7	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	7
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.358				ND	
23 Acetone	43	2.462	2.468	0.000	95	4427	1.16	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84		2.822				ND	7
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43		3.901				ND	
50 Chloroform	83		4.139				ND	
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117		4.352				ND	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95		5.029				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.443				ND	
72 cis-1,3-Dichloropropene	75		5.772				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.120				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.278				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.022				ND	
116 1,2-Dichlorobenzene	146		9.339				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00089 Amount Added: 1.00 Units: uL Run Reagent

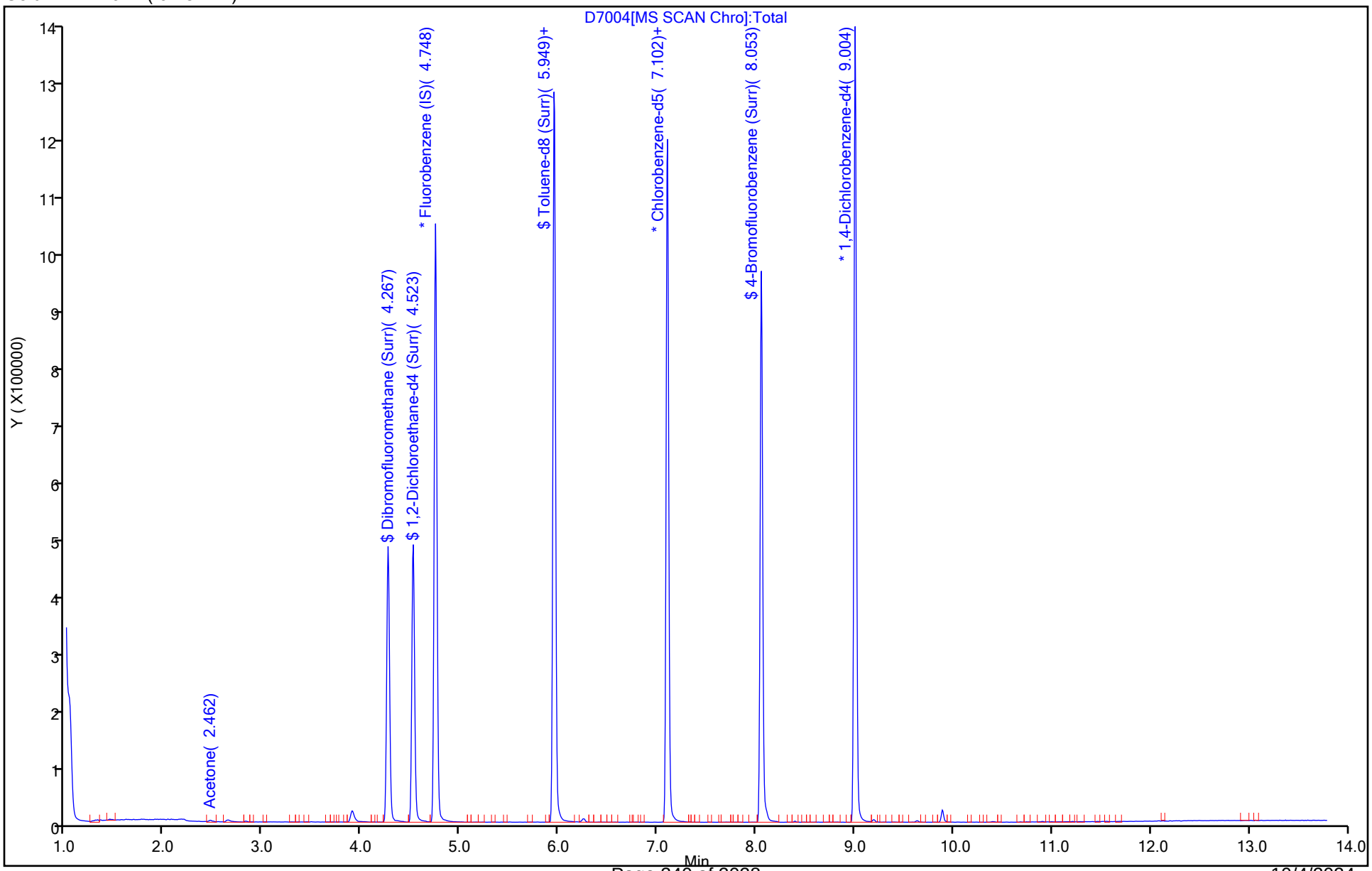
Report Date: 26-Sep-2024 15:25:31 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7004.d

Injection Date:	26-Sep-2024 06:23:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223692-A-2	Lab Sample ID:	480-223692-2	Worklist Smp#:	44
Client ID:	GW-M-26D-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	56
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7004.d
Lims ID: 480-223692-A-2
Client ID: GW-M-26D-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 06:23:30 ALS Bottle#: 56 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-A-2
Misc. Info.: 480-0120223-044
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 15:25:30 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 15:25:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.5	101.90
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.68
$ 5 Toluene-d8 (Surr)	25.0	24.2	96.77
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.7	98.98

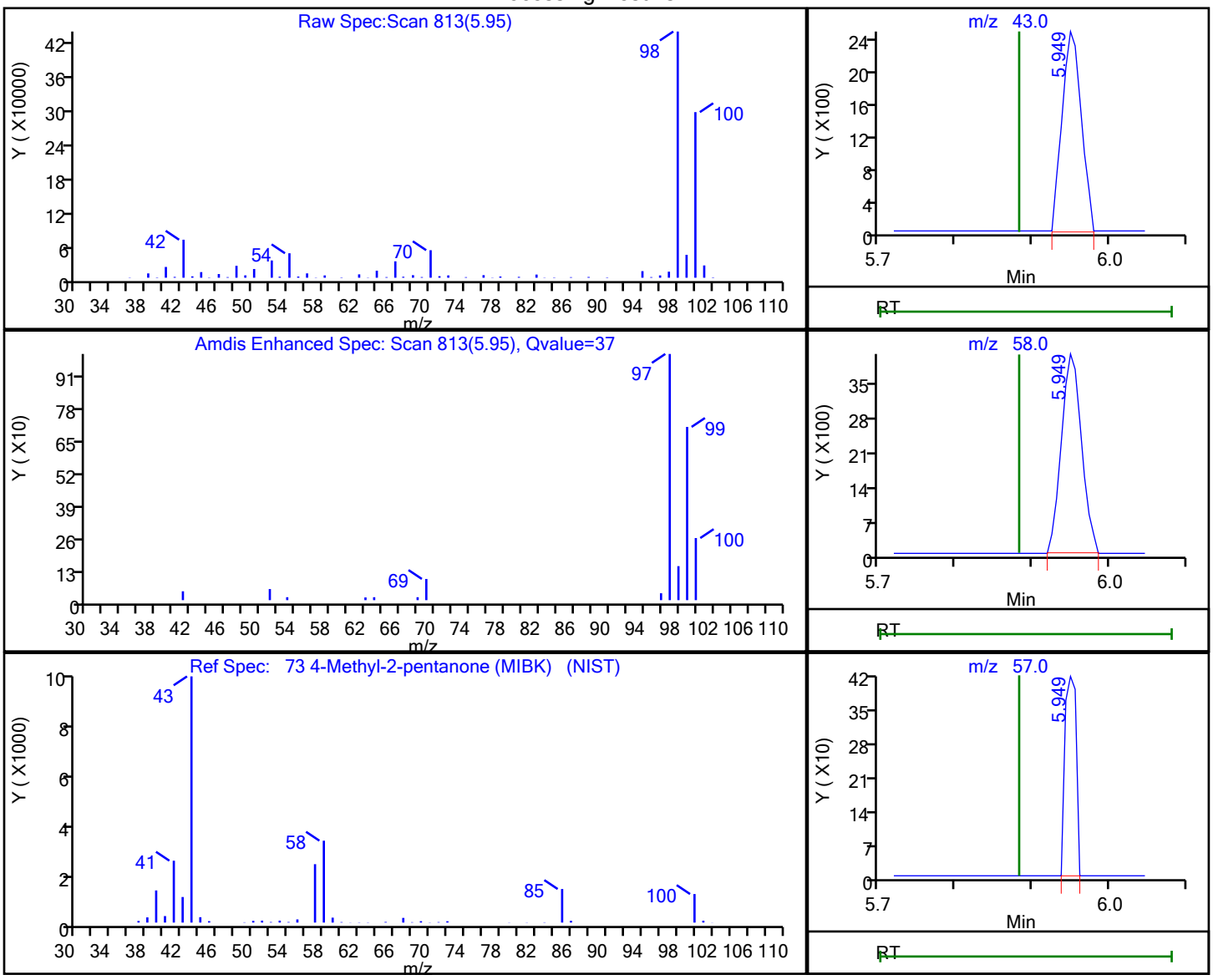
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7004.d				
Injection Date:	26-Sep-2024 06:23:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-2	Lab Sample ID:	480-223692-2		
Client ID:	GW-M-26D-09242024				
Operator ID:	LH	ALS Bottle#:	56	Worklist Smp#:	44
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4332	0.343885
5.95	58.00	7538	
5.95	57.00	429	

Reviewer: QR3Z, 26-Sep-2024 15:25:23 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-11D-09242024 | Lab Sample ID: 480-223692-3

Matrix: Water | Lab File ID: D7005.d

Analysis Method: 8260C | Date Collected: 09/24/2024 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 06:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	4.8		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.41	J	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-11D-09242024 | Lab Sample ID: 480-223692-3

Matrix: Water | Lab File ID: D7005.d

Analysis Method: 8260C | Date Collected: 09/24/2024 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 06:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.4		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7005.d
Lims ID: 480-223692-A-3
Client ID: GW-M-11D-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 06:45:30 ALS Bottle#: 57 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-A-3
Misc. Info.: 480-0120223-045
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 15:25:53 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 15:25:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	177801	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.101	0.000	87	382847	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.003	9.003	0.000	95	415008	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	291599	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	100	166878	25.7	
$ 5 Toluene-d8 (Surr)	98	5.949	5.955	-0.006	94	864674	23.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.052	8.053	0.000	93	310907	24.2	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	7
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.358				ND	
23 Acetone	43		2.462				ND	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84		2.822				ND	
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43		3.901				ND	
50 Chloroform	83	4.139	4.139	0.000	92	6949	0.4085	
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117	4.346	4.352	-0.006	98	59164	4.80	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95	5.029	5.029	0.000	94	12581	1.38	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.443				ND	
72 cis-1,3-Dichloropropene	75		5.772				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.120				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.278				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.022				ND	
116 1,2-Dichlorobenzene	146		9.339				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00089 Amount Added: 1.00 Units: uL Run Reagent

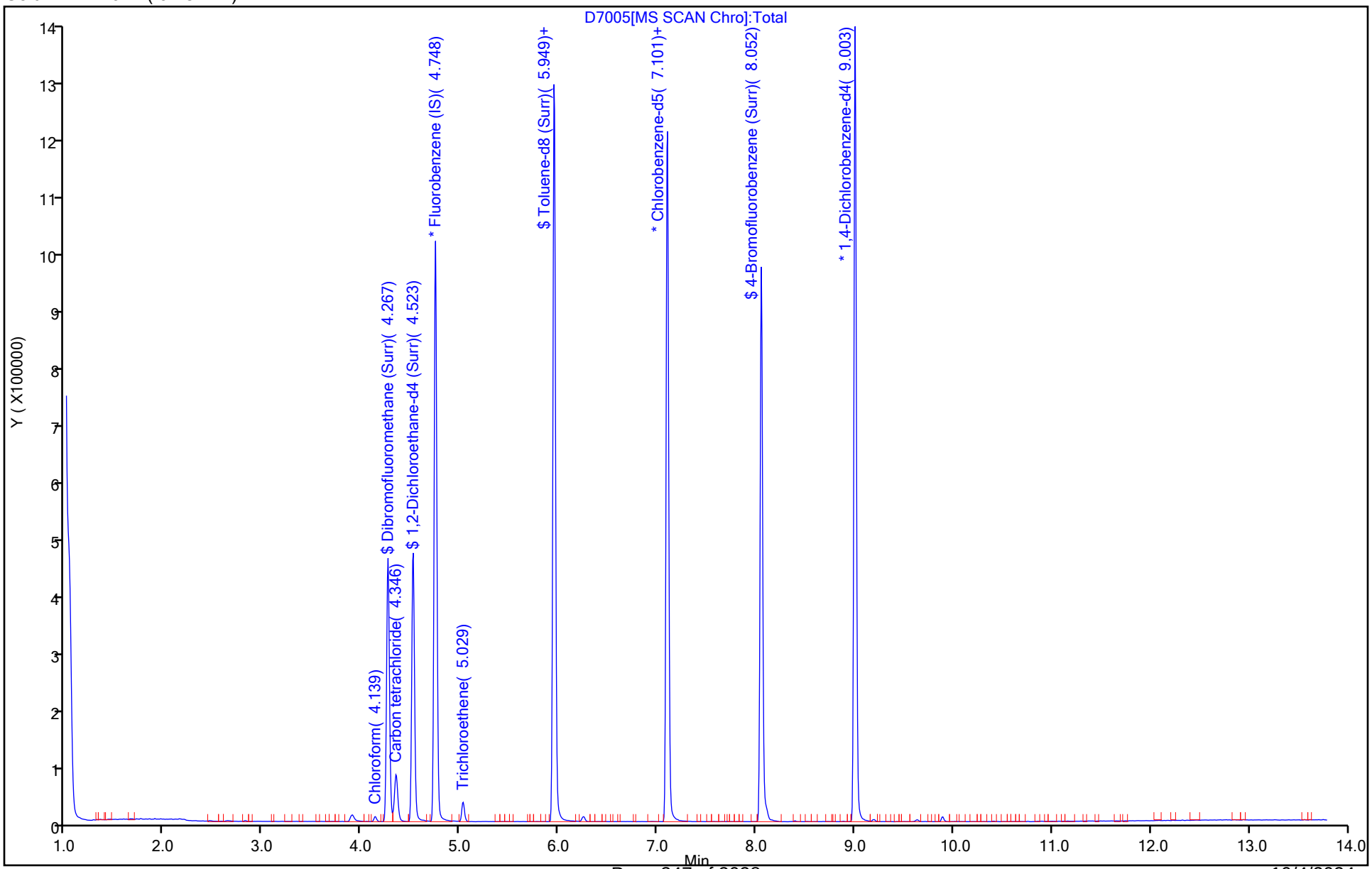
Report Date: 26-Sep-2024 15:25:54 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7005.d

Injection Date:	26-Sep-2024 06:45:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223692-A-3	Lab Sample ID:	480-223692-3	Worklist Smp#:	45
Client ID:	GW-M-11D-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7005.d
Lims ID: 480-223692-A-3
Client ID: GW-M-11D-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 06:45:30 ALS Bottle#: 57 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-A-3
Misc. Info.: 480-0120223-045
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 15:25:53 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 15:25:53

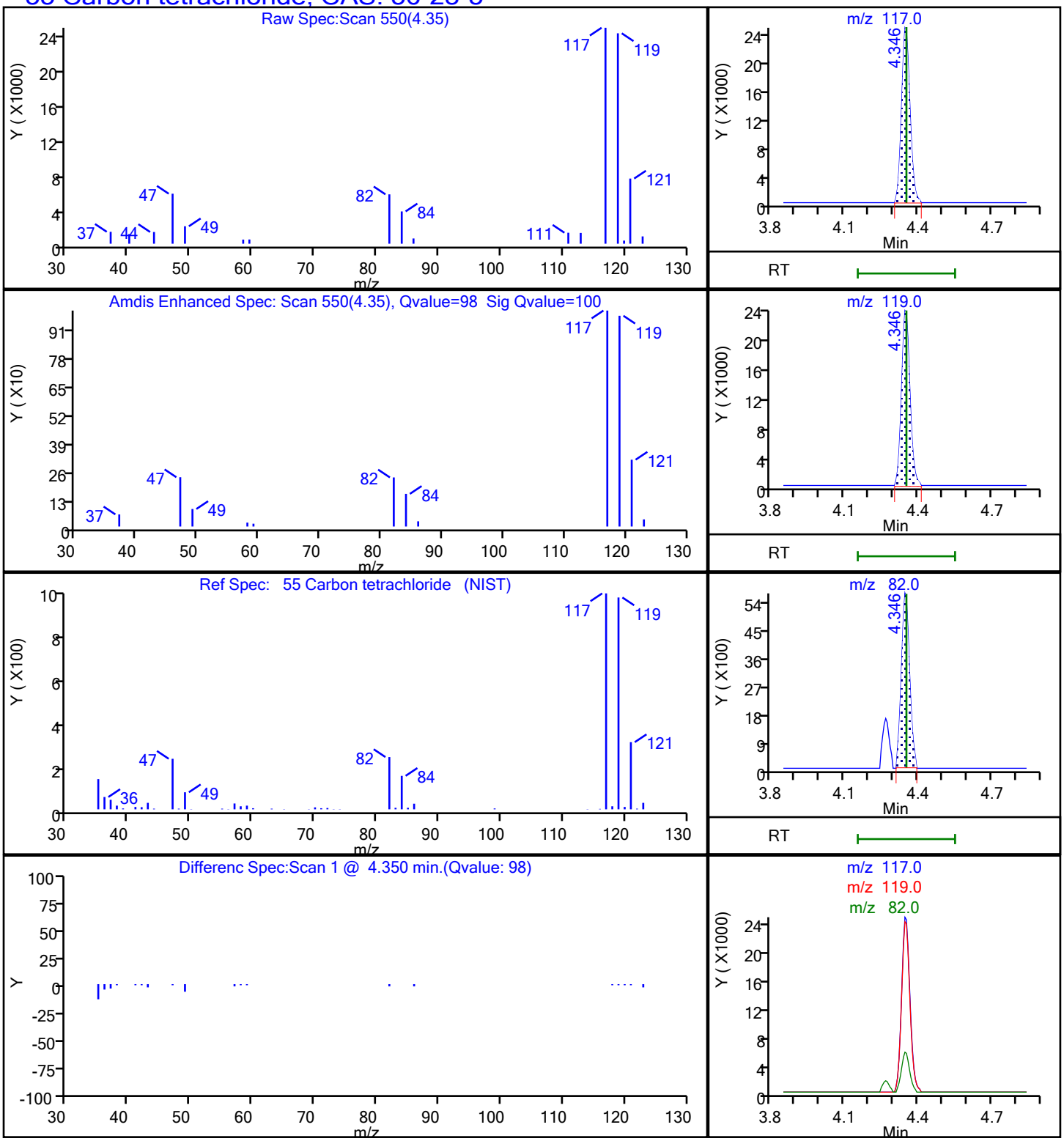
Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.5	102.03
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.96
$ 5 Toluene-d8 (Surr)	25.0	23.4	93.61
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.2	96.90

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7005.d

Injection Date:	26-Sep-2024 06:45:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-3	Lab Sample ID:	480-223692-3		
Client ID:	GW-M-11D-09242024				
Operator ID:	LH	ALS Bottle#:	57	Worklist Smp#:	45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

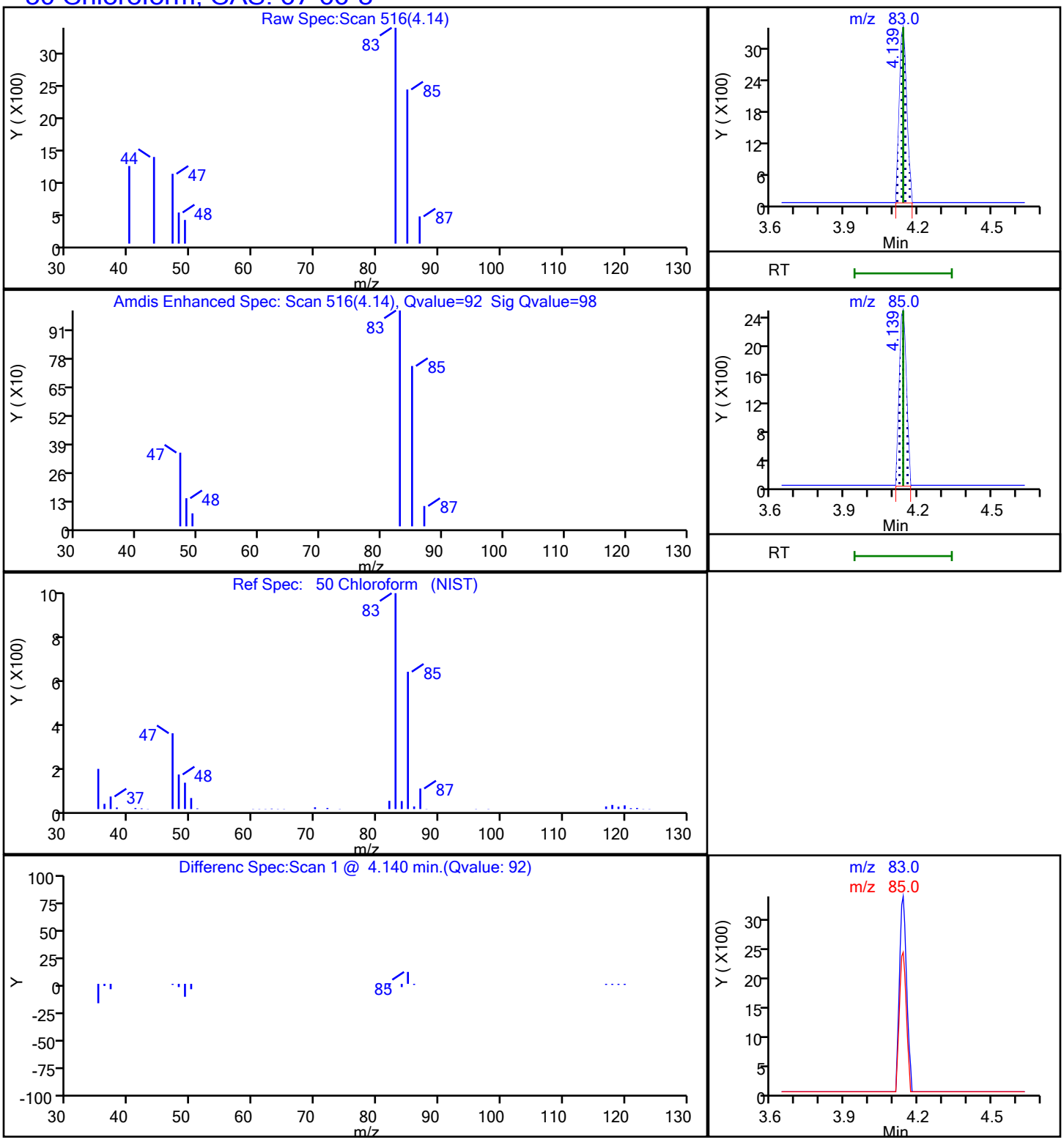
55 Carbon tetrachloride, CAS: 56-23-5



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7005.d
Injection Date: 26-Sep-2024 06:45:30 Instrument ID: HP5975D
Lims ID: 480-223692-A-3 Lab Sample ID: 480-223692-3
Client ID: GW-M-11D-09242024
Operator ID: LH ALS Bottle#: 57 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3



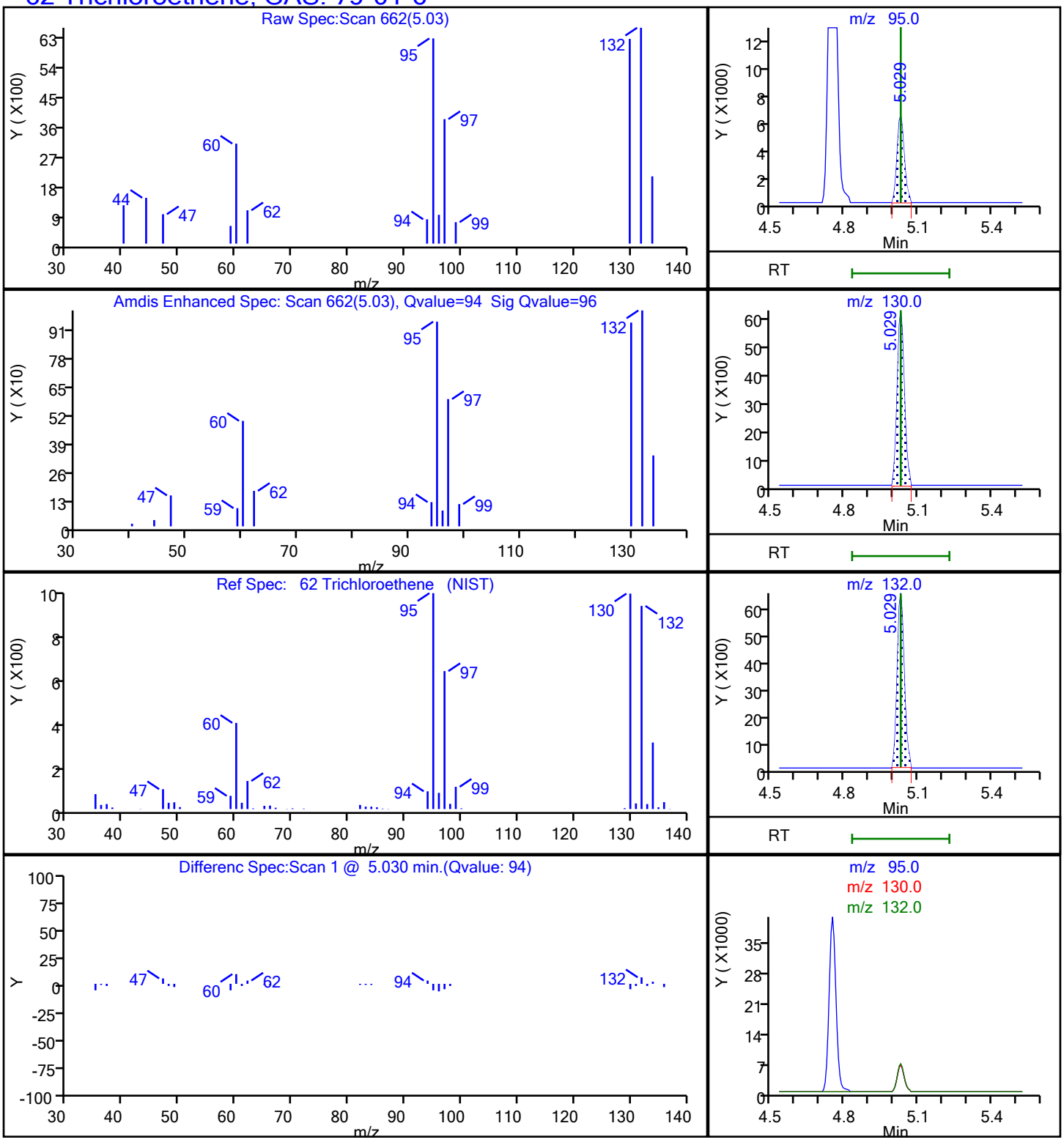
Report Date: 26-Sep-2024 15:25:54 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7005.d

Injection Date:	26-Sep-2024 06:45:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-3	Lab Sample ID:	480-223692-3		
Client ID:	GW-M-11D-09242024				
Operator ID:	LH	ALS Bottle#:	57	Worklist Smp#:	45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



10/4/2024
12:15:34 PM

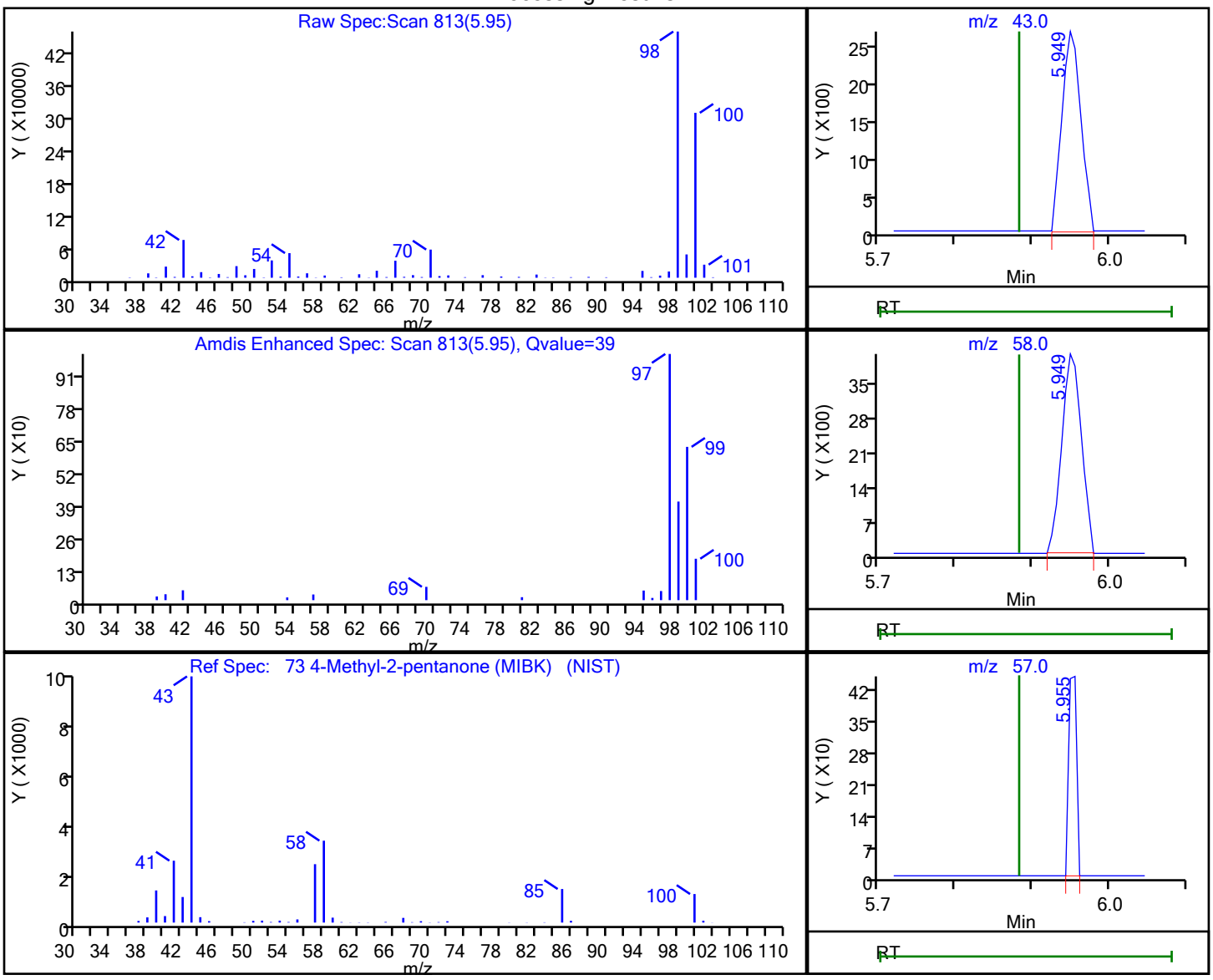
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7005.d				
Injection Date:	26-Sep-2024 06:45:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-3	Lab Sample ID:	480-223692-3		
Client ID:	GW-M-11D-09242024				
Operator ID:	LH	ALS Bottle#:	57	Worklist Smp#:	45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4576	0.341623
5.95	58.00	7300	
5.96	57.00	326	

Reviewer: QR3Z, 26-Sep-2024 15:25:46 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-MW-1-09242024 | Lab Sample ID: 480-223692-4

Matrix: Water | Lab File ID: D7006.d

Analysis Method: 8260C | Date Collected: 09/24/2024 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 07:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-MW-1-09242024 | Lab Sample ID: 480-223692-4

Matrix: Water | Lab File ID: D7006.d

Analysis Method: 8260C | Date Collected: 09/24/2024 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 07:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7006.d
Lims ID: 480-223692-A-4
Client ID: GW-MW-1-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 07:07:30 ALS Bottle#: 58 Worklist Smp#: 46
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-A-4
Misc. Info.: 480-0120223-046
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 15:26:19 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 15:26:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	177492	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	359545	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.003	0.001	95	407712	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	293370	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	100	164719	25.5	
$ 5 Toluene-d8 (Surr)	98	5.949	5.955	-0.006	94	841739	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.001	94	298895	24.8	
10 Dichlorodifluoromethane	85		1.127				ND	
12 Chloromethane	50		1.285				ND	
13 Vinyl chloride	62		1.365				ND	
14 Bromomethane	94		1.645				ND	7
15 Chloroethane	64		1.700				ND	
17 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.352				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.358				ND	
23 Acetone	43		2.462				ND	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.736				ND	
30 Methylene Chloride	84		2.822				ND	
32 Methyl tert-butyl ether	73		3.017				ND	
34 trans-1,2-Dichloroethene	96		3.029				ND	
39 1,1-Dichloroethane	63		3.395				ND	
45 cis-1,2-Dichloroethene	96		3.876				ND	
43 2-Butanone (MEK)	43		3.901				ND	
50 Chloroform	83		4.139				ND	
51 1,1,1-Trichloroethane	97		4.236				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117		4.352				ND	
57 Benzene	78		4.529				ND	
58 1,2-Dichloroethane	62		4.584				ND	
62 Trichloroethene	95		5.029				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.126				ND	
65 1,2-Dichloropropane	63		5.218				ND	
68 Dichlorobromomethane	83		5.443				ND	
72 cis-1,3-Dichloropropene	75		5.772				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		6.004				ND	
77 trans-1,3-Dichloropropene	75		6.217				ND	
79 1,1,2-Trichloroethane	83		6.364				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.534				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.760				ND	
87 Chlorobenzene	112		7.120				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.278				ND	
91 o-Xylene	106		7.607				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.205				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.022				ND	
116 1,2-Dichlorobenzene	146		9.339				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00089 Amount Added: 1.00 Units: uL Run Reagent

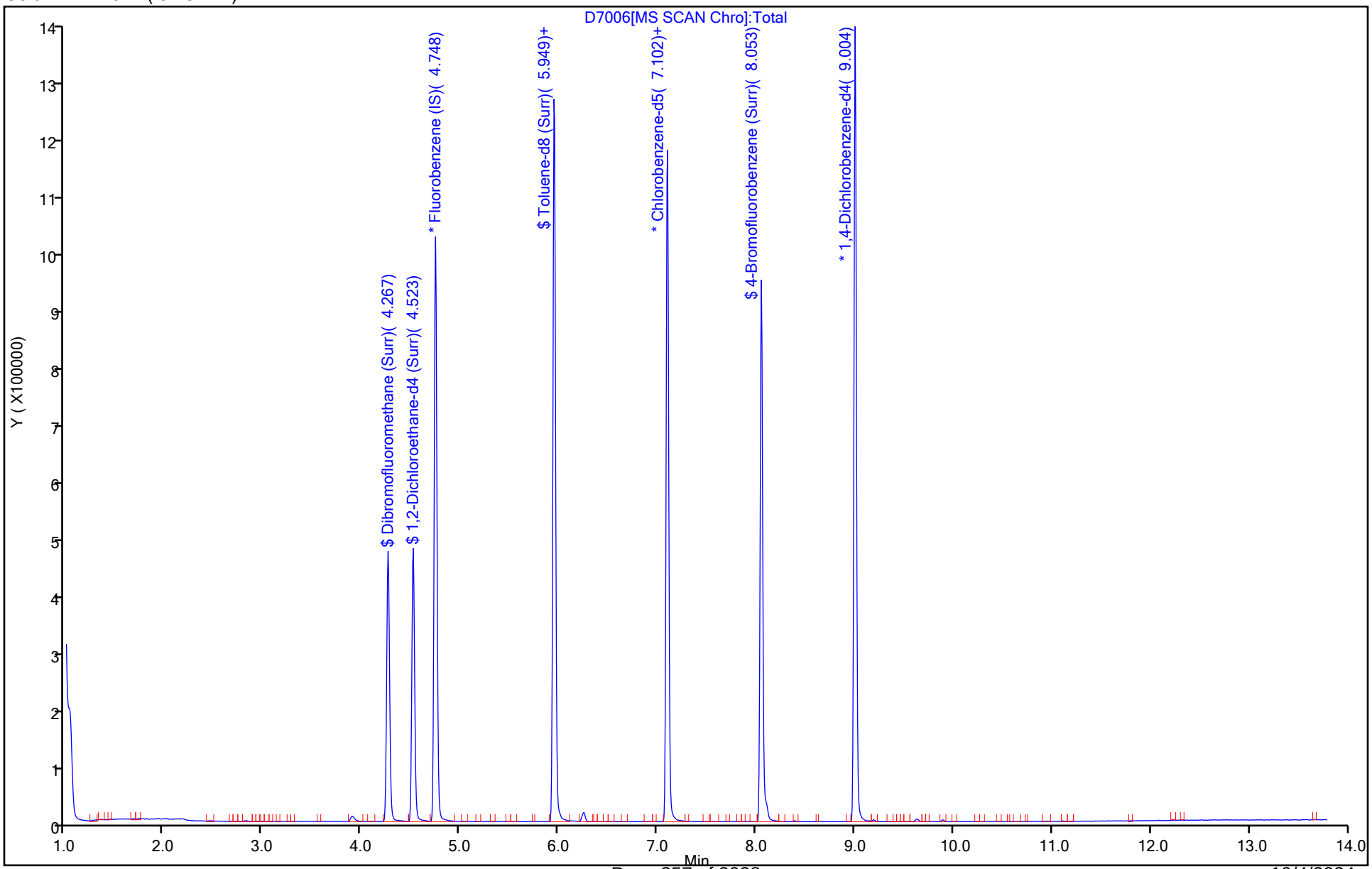
Report Date: 26-Sep-2024 15:26:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7006.d

Injection Date:	26-Sep-2024 07:07:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223692-A-4	Lab Sample ID:	480-223692-4	Worklist Smp#:	46
Client ID:	GW-MW-1-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7006.d
Lims ID: 480-223692-A-4
Client ID: GW-MW-1-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 07:07:30 ALS Bottle#: 58 Worklist Smp#: 46
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-A-4
Misc. Info.: 480-0120223-046
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 15:26:19 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 15:26:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.7	102.83
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.5	101.81
$ 5 Toluene-d8 (Surr)	25.0	24.3	97.04
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.8	99.20

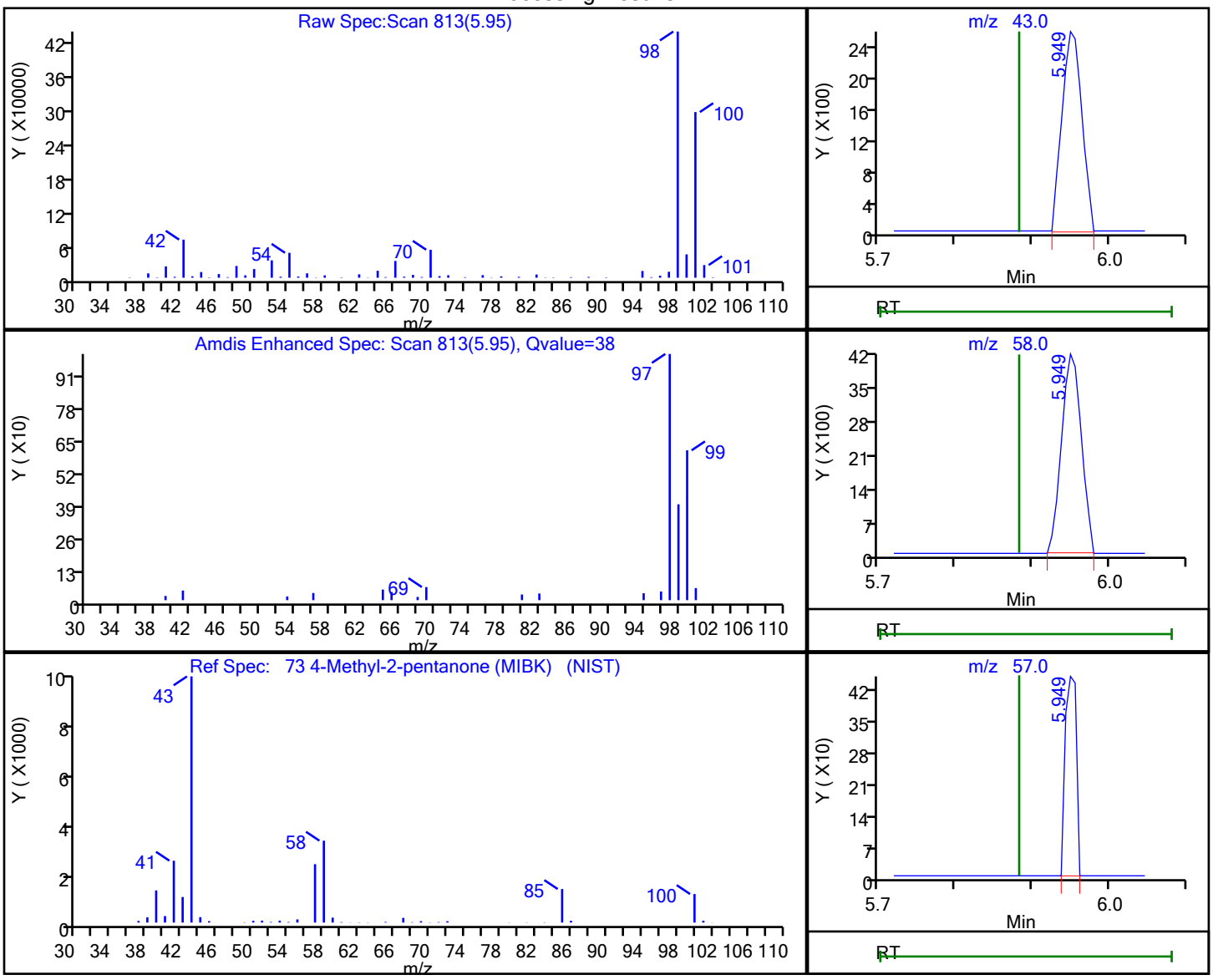
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D7006.d				
Injection Date:	26-Sep-2024 07:07:30	Instrument ID:	HP5975D		
Lims ID:	480-223692-A-4	Lab Sample ID:	480-223692-4		
Client ID:	GW-MW-1-09242024				
Operator ID:	LH	ALS Bottle#:	58	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4571	0.363367
5.95	58.00	7435	
5.95	57.00	455	

Reviewer: QR3Z, 26-Sep-2024 15:26:11 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-MW-4-09242024 | Lab Sample ID: 480-223692-5

Matrix: Water | Lab File ID: K5213.D

Analysis Method: 8260C | Date Collected: 09/24/2024 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 01:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-MW-4-09242024 | Lab Sample ID: 480-223692-5

Matrix: Water | Lab File ID: K5213.D

Analysis Method: 8260C | Date Collected: 09/24/2024 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 01:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5213.D
Lims ID: 480-223692-C-5
Client ID: GW-MW-4-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 01:17:27 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-5
Misc. Info.: 480-0120263-009
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 09:55:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	107487	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	90	378934	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.719	0.003	97	182836	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	92	146558	26.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	98	170010	24.9	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	96	523196	25.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	132806	22.7	
11 Dichlorodifluoromethane	85		1.179				ND	
13 Chloromethane	50		1.350				ND	
14 Vinyl chloride	62		1.437				ND	
15 Bromomethane	94		1.745				ND	
16 Chloroethane	64		1.838				ND	
17 Trichlorofluoromethane	101		2.070				ND	
22 1,1-Dichloroethene	96		2.565				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.591				ND	
23 Acetone	43		2.658				ND	U
25 Carbon disulfide	76		2.768				ND	
28 Methyl acetate	43		2.974				ND	
30 Methylene Chloride	84		3.067				ND	
33 Methyl tert-butyl ether	73		3.308				ND	
32 trans-1,2-Dichloroethene	96		3.314				ND	
36 1,1-Dichloroethane	63		3.723				ND	
43 cis-1,2-Dichloroethene	96		4.279				ND	
44 2-Butanone (MEK)	43		4.301				ND	
50 Chloroform	83		4.588				ND	
51 1,1,1-Trichloroethane	97		4.723				ND	
52 Cyclohexane	56		4.755				ND	
53 Carbon tetrachloride	117		4.871				ND	
55 Benzene	78		5.073				ND	
57 1,2-Dichloroethane	62		5.118				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.835				ND	
63 1,2-Dichloropropane	63		5.909				ND	
67 Dichlorobromomethane	83		6.195				ND	
71 cis-1,3-Dichloropropene	75		6.617				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92		6.919				ND	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.758				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.761				ND	
110 1,3-Dichlorobenzene	146		10.655				ND	
113 1,4-Dichlorobenzene	146		10.742				ND	
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

K WATER IS/SS_00014 Amount Added: 5.00 Units: uL Run Reagent

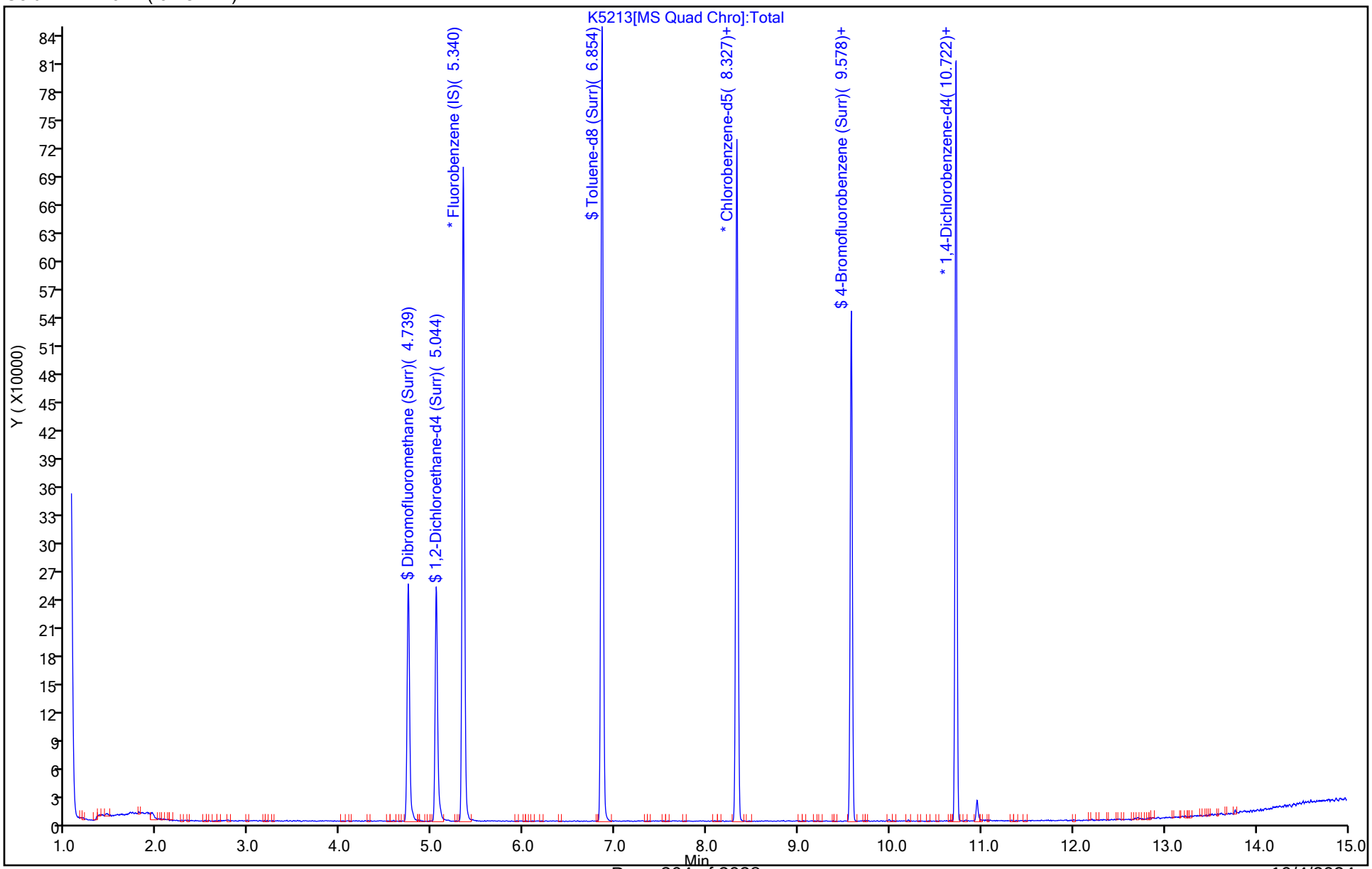
Report Date: 01-Oct-2024 09:20:55 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5213.D

Injection Date:	28-Sep-2024 01:17:27	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	480-223692-C-5	Lab Sample ID:	480-223692-5	Worklist Smp#:	9
Client ID:	GW-MW-4-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5213.D
Lims ID: 480-223692-C-5
Client ID: GW-MW-4-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 01:17:27 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-5
Misc. Info.: 480-0120263-009
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 09:55:34

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	26.1	104.48
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.9	99.63
$ 6 Toluene-d8 (Surr)	25.0	25.5	102.07
$ 7 4-Bromofluorobenzene (Surr)	25.0	22.7	90.94

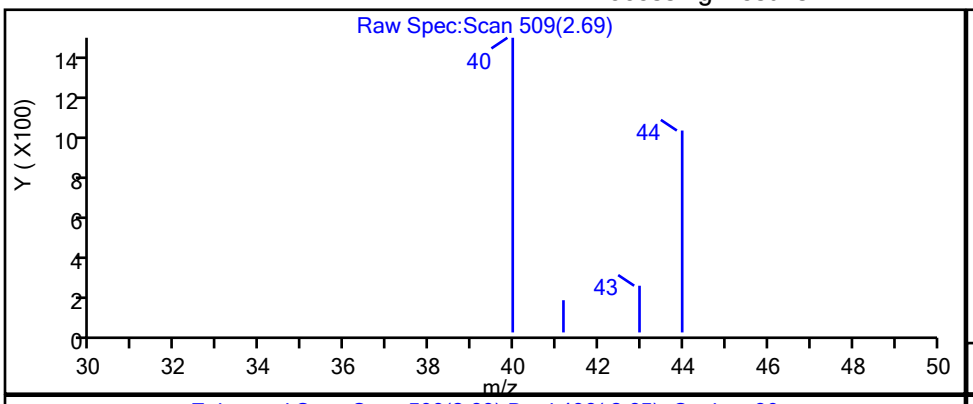
User Disabled Compound Report

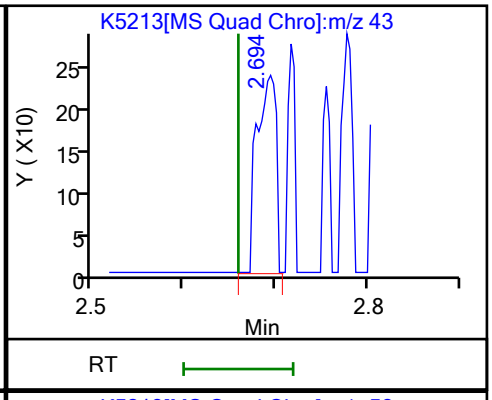
Eurofins Buffalo

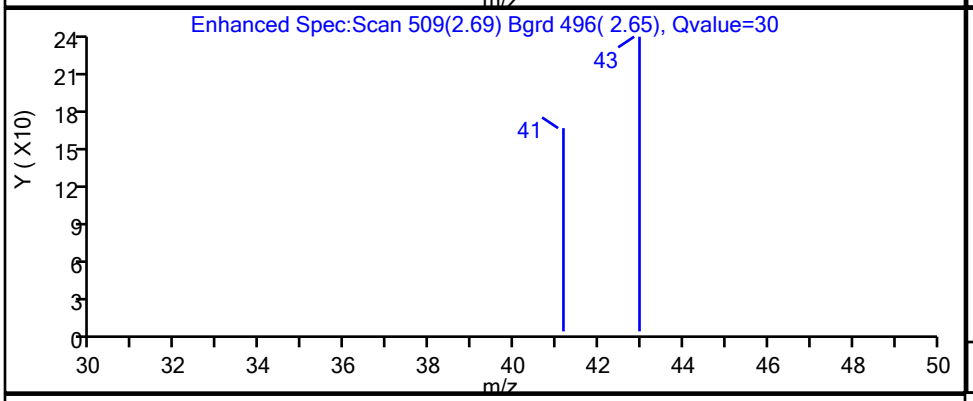
Data File:	\\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5213.D				
Injection Date:	28-Sep-2024 01:17:27	Instrument ID:	HP5977K		
Lims ID:	480-223692-C-5	Lab Sample ID:	480-223692-5		
Client ID:	GW-MW-4-09242024				
Operator ID:	RS	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

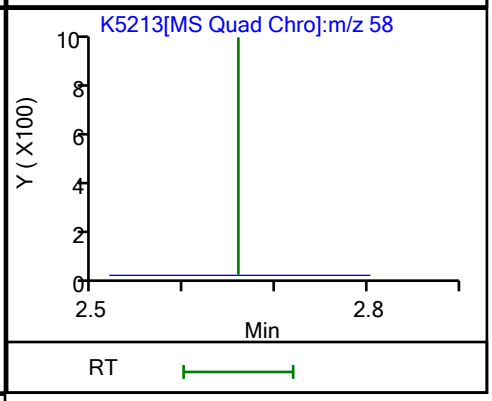
23 Acetone, CAS: 67-64-1

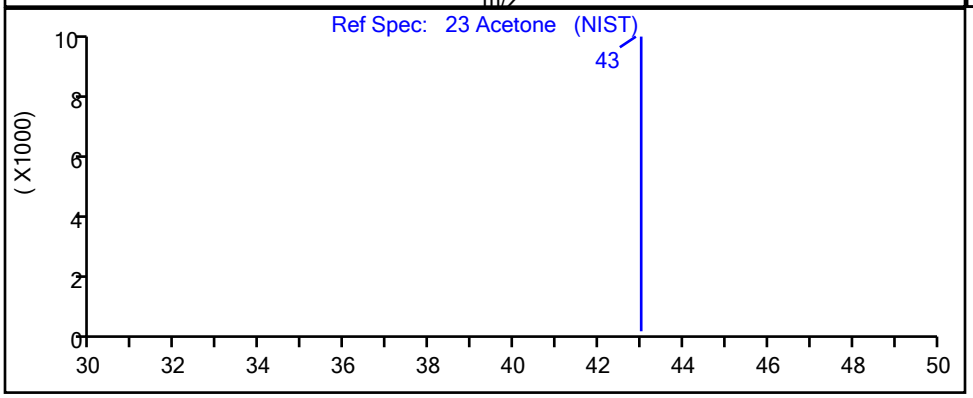
Processing Results











RT	Mass	Response	Amount
2.69	43.00	335	0.137797
2.66	58.00	0	

Reviewer: WLL8, 30-Sep-2024 09:55:26 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: FD-2-09242024 | Lab Sample ID: 480-223692-6

Matrix: Water | Lab File ID: K5214.D

Analysis Method: 8260C | Date Collected: 09/24/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 01:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: FD-2-09242024 | Lab Sample ID: 480-223692-6

Matrix: Water | Lab File ID: K5214.D

Analysis Method: 8260C | Date Collected: 09/24/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 01:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5214.D
Lims ID: 480-223692-C-6
Client ID: FD-2-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 01:39:54 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-6
Misc. Info.: 480-0120263-010
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:22:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.340	0.006	98	106790	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	89	388213	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.723	10.719	0.004	97	187610	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.745	4.739	0.006	92	143913	25.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.051	5.044	0.007	98	177517	26.2	
$ 6 Toluene-d8 (Surr)	98	6.858	6.854	0.004	95	533977	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	137771	23.0	
11 Dichlorodifluoromethane	85		1.179				ND	
13 Chloromethane	50		1.350				ND	
14 Vinyl chloride	62		1.437				ND	
15 Bromomethane	94		1.745				ND	
16 Chloroethane	64		1.838				ND	
17 Trichlorofluoromethane	101		2.070				ND	
22 1,1-Dichloroethene	96		2.565				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.591				ND	
23 Acetone	43		2.658				ND	
25 Carbon disulfide	76		2.768				ND	
28 Methyl acetate	43		2.974				ND	
30 Methylene Chloride	84		3.067				ND	
33 Methyl tert-butyl ether	73		3.308				ND	
32 trans-1,2-Dichloroethene	96		3.314				ND	
36 1,1-Dichloroethane	63		3.723				ND	
43 cis-1,2-Dichloroethene	96		4.279				ND	
44 2-Butanone (MEK)	43		4.301				ND	
50 Chloroform	83		4.588				ND	
51 1,1,1-Trichloroethane	97		4.723				ND	
52 Cyclohexane	56		4.755				ND	
53 Carbon tetrachloride	117		4.871				ND	
55 Benzene	78		5.073				ND	
57 1,2-Dichloroethane	62		5.118				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.835				ND	
63 1,2-Dichloropropane	63		5.909				ND	
67 Dichlorobromomethane	83		6.195				ND	
71 cis-1,3-Dichloropropene	75		6.617				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92		6.919				ND	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.758				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.761				ND	
110 1,3-Dichlorobenzene	146		10.655				ND	
113 1,4-Dichlorobenzene	146		10.742				ND	
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

K WATER IS/SS_00014 Amount Added: 5.00 Units: uL Run Reagent

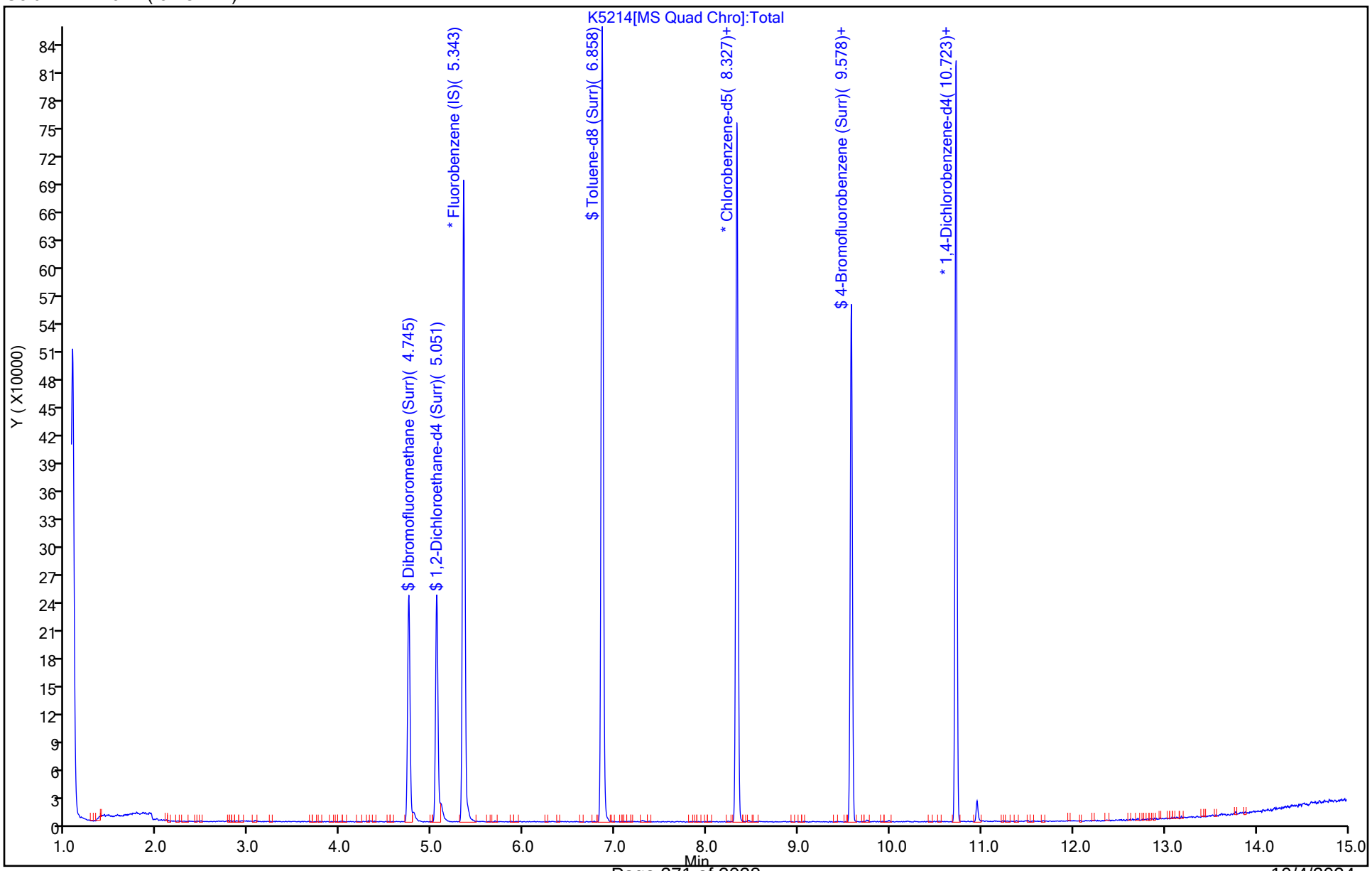
Report Date: 01-Oct-2024 09:20:57 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5214.D

Injection Date:	28-Sep-2024 01:39:54	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	480-223692-C-6	Lab Sample ID:	480-223692-6	Worklist Smp#:	10
Client ID:	FD-2-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5214.D				
Lims ID:	480-223692-C-6				
Client ID:	FD-2-09242024				
Sample Type:	Client				
Inject. Date:	28-Sep-2024 01:39:54	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-223692-C-6				
Misc. Info.:	480-0120263-010				
Operator ID:	RS	Instrument ID:	HP5977K		
Method:	\\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	30-Sep-2024 10:47:15	Calib Date:	17-Sep-2024 22:00:09		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1609				

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:22:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.8	103.26
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	26.2	104.71
$ 6 Toluene-d8 (Surr)	25.0	25.4	101.68
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.0	92.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-G-09242024 | Lab Sample ID: 480-223692-7

Matrix: Water | Lab File ID: K5215.D

Analysis Method: 8260C | Date Collected: 09/24/2024 14:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 02:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-G-09242024 | Lab Sample ID: 480-223692-7

Matrix: Water | Lab File ID: K5215.D

Analysis Method: 8260C | Date Collected: 09/24/2024 14:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 02:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5215.D
Lims ID: 480-223692-C-7
Client ID: SW-G-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 02:02:24 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-7
Misc. Info.: 480-0120263-011
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:22:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	111052	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	90	418313	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.719	0.003	97	206265	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	91	142787	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	97	177498	25.2	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	95	567267	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	152183	23.6	
11 Dichlorodifluoromethane	85		1.179				ND	
13 Chloromethane	50		1.350				ND	
14 Vinyl chloride	62		1.437				ND	
15 Bromomethane	94		1.745				ND	
16 Chloroethane	64		1.838				ND	
17 Trichlorofluoromethane	101		2.070				ND	
22 1,1-Dichloroethene	96		2.565				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.591				ND	
23 Acetone	43	2.671	2.658	0.013	66	2658	1.06	
25 Carbon disulfide	76		2.768				ND	
28 Methyl acetate	43		2.974				ND	
30 Methylene Chloride	84		3.067				ND	7
33 Methyl tert-butyl ether	73		3.308				ND	
32 trans-1,2-Dichloroethene	96		3.314				ND	
36 1,1-Dichloroethane	63		3.723				ND	
43 cis-1,2-Dichloroethene	96		4.279				ND	
44 2-Butanone (MEK)	43		4.301				ND	
50 Chloroform	83	4.587	4.588	-0.001	90	1403	0.1507	
51 1,1,1-Trichloroethane	97		4.723				ND	
52 Cyclohexane	56		4.755				ND	
53 Carbon tetrachloride	117		4.871				ND	
55 Benzene	78		5.073				ND	
57 1,2-Dichloroethane	62		5.118				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.835				ND	
63 1,2-Dichloropropane	63		5.909				ND	
67 Dichlorobromomethane	83		6.195				ND	
71 cis-1,3-Dichloropropene	75		6.617				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92		6.919				ND	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.758				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.761				ND	
110 1,3-Dichlorobenzene	146		10.655				ND	
113 1,4-Dichlorobenzene	146		10.742				ND	
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

K WATER IS/SS_00014 Amount Added: 5.00 Units: uL Run Reagent

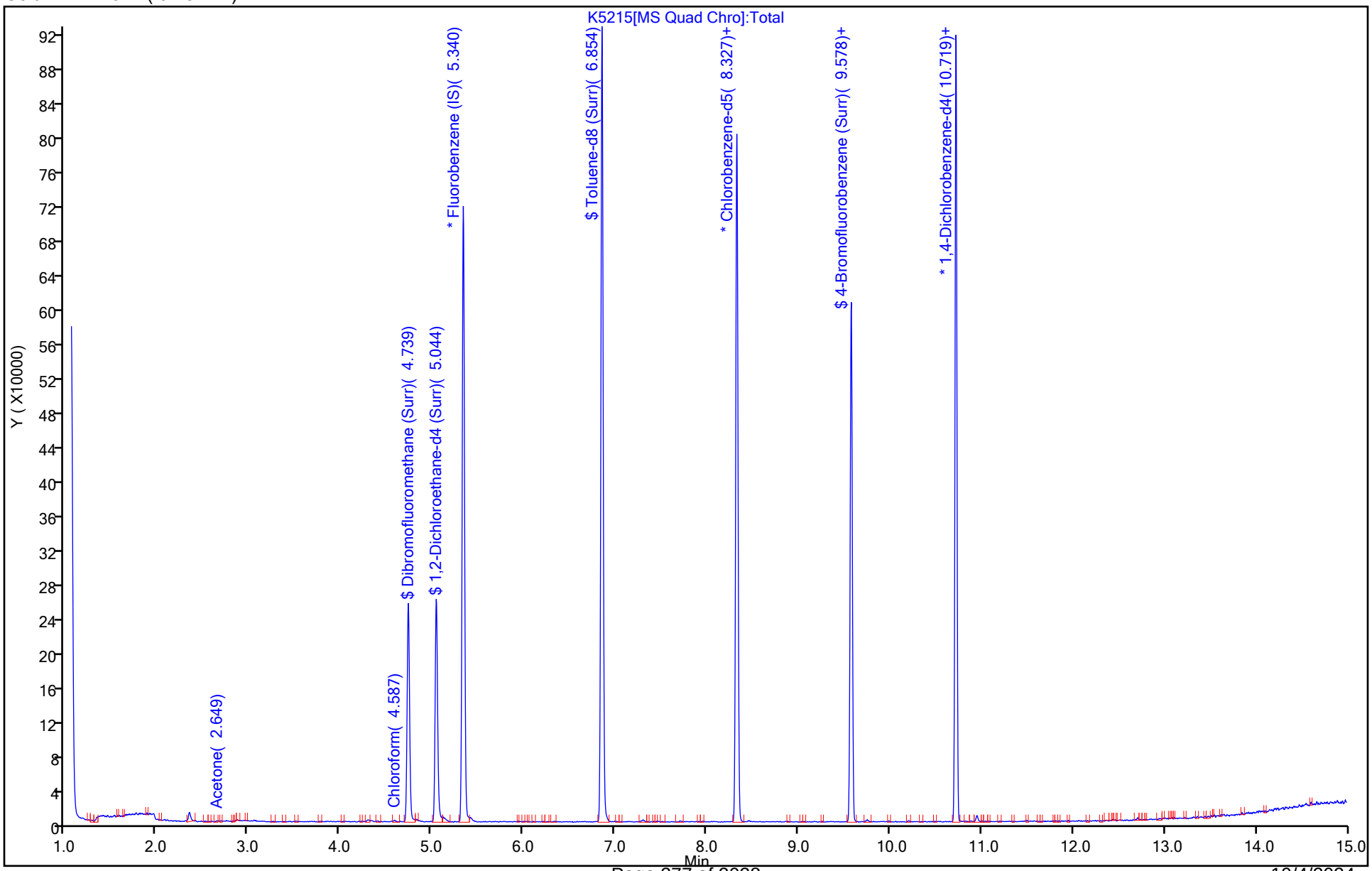
Report Date: 01-Oct-2024 09:20:58 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5215.D

Injection Date:	28-Sep-2024 02:02:24	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	480-223692-C-7	Lab Sample ID:	480-223692-7	Worklist Smp#:	11
Client ID:	SW-G-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5215.D
Lims ID: 480-223692-C-7
Client ID: SW-G-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 02:02:24 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-7
Misc. Info.: 480-0120263-011
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:22:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.6	98.52
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.2	100.68
$ 6 Toluene-d8 (Surr)	25.0	25.1	100.25
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.6	94.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-F-09242024 | Lab Sample ID: 480-223692-8

Matrix: Water | Lab File ID: K5216.D

Analysis Method: 8260C | Date Collected: 09/24/2024 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 02:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	3.2	J	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-F-09242024 | Lab Sample ID: 480-223692-8

Matrix: Water | Lab File ID: K5216.D

Analysis Method: 8260C | Date Collected: 09/24/2024 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 02:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5216.D
Lims ID: 480-223692-C-8
Client ID: SW-F-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 02:25:00 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-8
Misc. Info.: 480-0120263-012
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:23:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	110748	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	90	409215	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.719	0.003	97	200090	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	92	142464	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	97	171588	24.4	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	96	560932	25.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	148445	23.5	
11 Dichlorodifluoromethane	85		1.179				ND	
13 Chloromethane	50		1.350				ND	
14 Vinyl chloride	62		1.437				ND	
15 Bromomethane	94		1.745				ND	
16 Chloroethane	64		1.838				ND	
17 Trichlorofluoromethane	101		2.070				ND	
22 1,1-Dichloroethene	96		2.565				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.591				ND	
23 Acetone	43	2.674	2.658	0.016	97	7911	3.16	
25 Carbon disulfide	76		2.768				ND	
28 Methyl acetate	43		2.974				ND	
30 Methylene Chloride	84		3.067				ND	7
33 Methyl tert-butyl ether	73		3.308				ND	
32 trans-1,2-Dichloroethene	96		3.314				ND	
36 1,1-Dichloroethane	63		3.723				ND	
43 cis-1,2-Dichloroethene	96		4.279				ND	
44 2-Butanone (MEK)	43		4.301				ND	
50 Chloroform	83		4.588				ND	
51 1,1,1-Trichloroethane	97		4.723				ND	
52 Cyclohexane	56		4.755				ND	
53 Carbon tetrachloride	117		4.871				ND	
55 Benzene	78		5.073				ND	
57 1,2-Dichloroethane	62		5.118				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.835				ND	
63 1,2-Dichloropropane	63		5.909				ND	
67 Dichlorobromomethane	83		6.195				ND	
71 cis-1,3-Dichloropropene	75		6.617				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92		6.919				ND	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.758				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.761				ND	
110 1,3-Dichlorobenzene	146		10.655				ND	
113 1,4-Dichlorobenzene	146		10.742				ND	
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

K WATER IS/SS_00014 Amount Added: 5.00 Units: uL Run Reagent

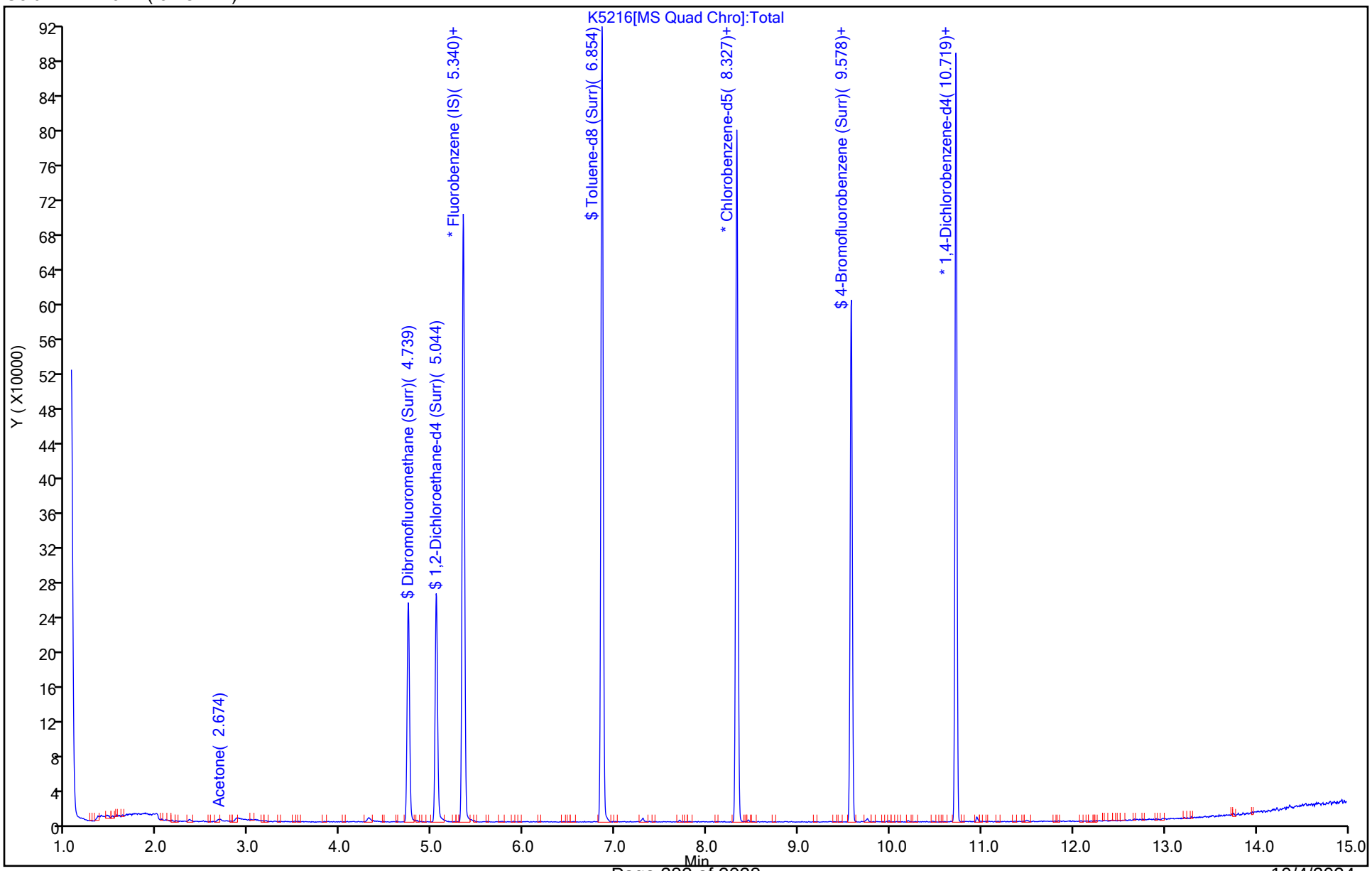
Report Date: 01-Oct-2024 09:21:00 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5216.D

Injection Date:	28-Sep-2024 02:25:00	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	480-223692-C-8	Lab Sample ID:	480-223692-8	Worklist Smp#:	12
Client ID:	SW-F-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5216.D
Lims ID: 480-223692-C-8
Client ID: SW-F-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 02:25:00 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-8
Misc. Info.: 480-0120263-012
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:23:10

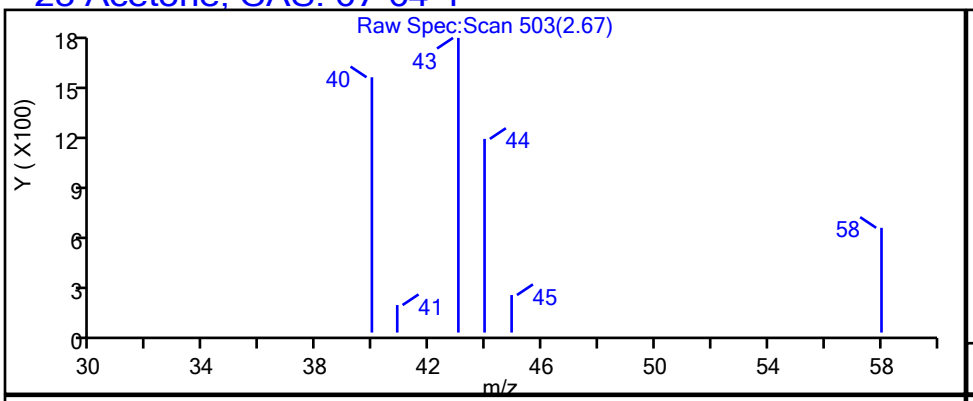
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.6	98.57
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.4	97.59
$ 6 Toluene-d8 (Surr)	25.0	25.3	101.33
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.5	94.13

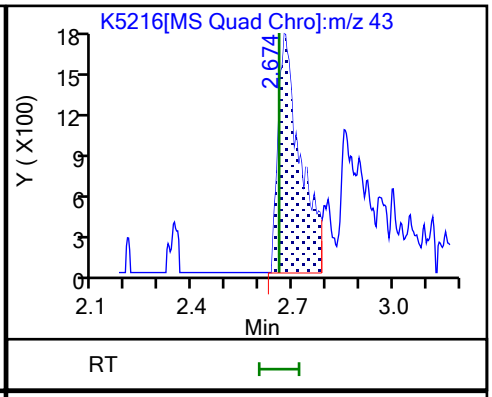
Eurofins Buffalo

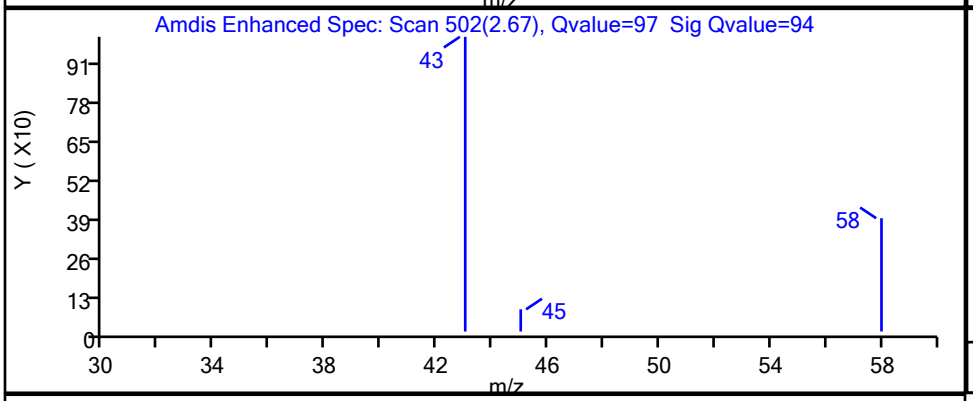
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5216.D

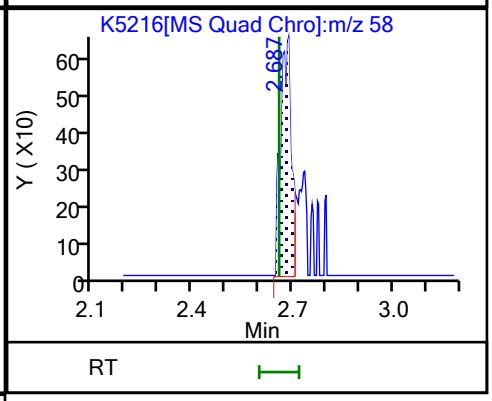
Injection Date:	28-Sep-2024 02:25:00	Instrument ID:	HP5977K		
Lims ID:	480-223692-C-8	Lab Sample ID:	480-223692-8		
Client ID:	SW-F-09242024				
Operator ID:	RS	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

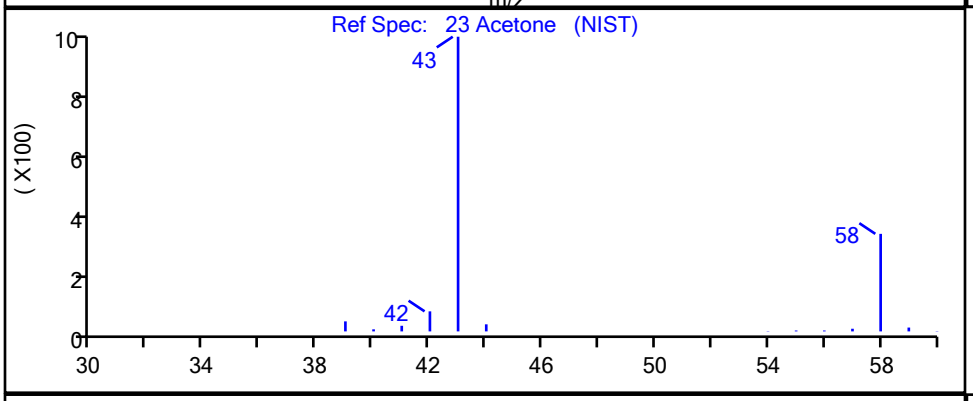
23 Acetone, CAS: 67-64-1

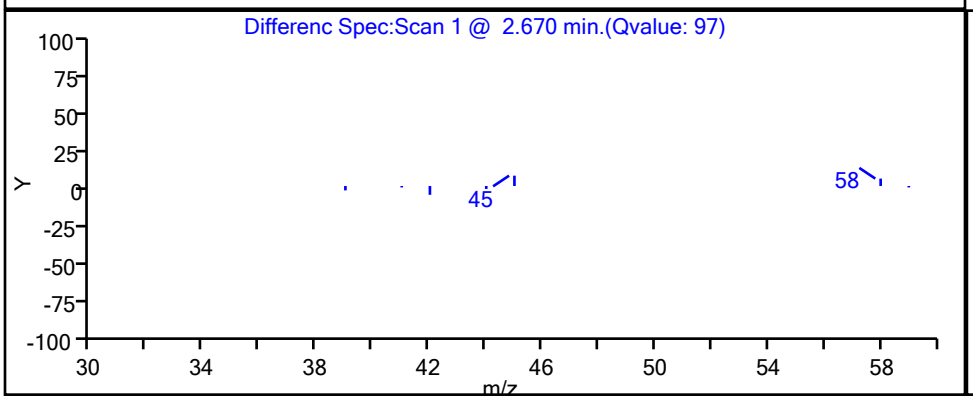


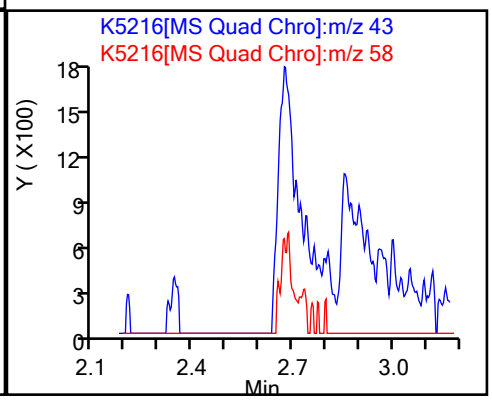












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-E-09242024 | Lab Sample ID: 480-223692-9

Matrix: Water | Lab File ID: K5217.D

Analysis Method: 8260C | Date Collected: 09/24/2024 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 02:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-E-09242024 | Lab Sample ID: 480-223692-9

Matrix: Water | Lab File ID: K5217.D

Analysis Method: 8260C | Date Collected: 09/24/2024 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 02:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5217.D
Lims ID: 480-223692-C-9
Client ID: SW-E-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 02:47:40 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-9
Misc. Info.: 480-0120263-013
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:24:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	98	99765	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	90	375662	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.719	0.003	97	185995	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.739	0.003	92	132821	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	97	161803	25.5	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	95	509176	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	137734	23.8	
11 Dichlorodifluoromethane	85		1.179				ND	
13 Chloromethane	50		1.350				ND	7
14 Vinyl chloride	62		1.437				ND	
15 Bromomethane	94		1.745				ND	
16 Chloroethane	64		1.838				ND	
17 Trichlorofluoromethane	101		2.070				ND	
22 1,1-Dichloroethene	96		2.565				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.591				ND	
23 Acetone	43		2.658				ND	U
25 Carbon disulfide	76		2.768				ND	
28 Methyl acetate	43		2.974				ND	
30 Methylene Chloride	84		3.067				ND	
33 Methyl tert-butyl ether	73		3.308				ND	
32 trans-1,2-Dichloroethene	96		3.314				ND	
36 1,1-Dichloroethane	63		3.723				ND	
43 cis-1,2-Dichloroethene	96		4.279				ND	
44 2-Butanone (MEK)	43		4.301				ND	
50 Chloroform	83		4.588				ND	
51 1,1,1-Trichloroethane	97		4.723				ND	
52 Cyclohexane	56		4.755				ND	
53 Carbon tetrachloride	117		4.871				ND	
55 Benzene	78		5.073				ND	
57 1,2-Dichloroethane	62		5.118				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.835				ND	
63 1,2-Dichloropropane	63		5.909				ND	
67 Dichlorobromomethane	83		6.195				ND	
71 cis-1,3-Dichloropropene	75		6.617				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92		6.919				ND	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.758				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.761				ND	
110 1,3-Dichlorobenzene	146		10.655				ND	
113 1,4-Dichlorobenzene	146		10.742				ND	
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

K WATER IS/SS_00014 Amount Added: 5.00 Units: uL Run Reagent

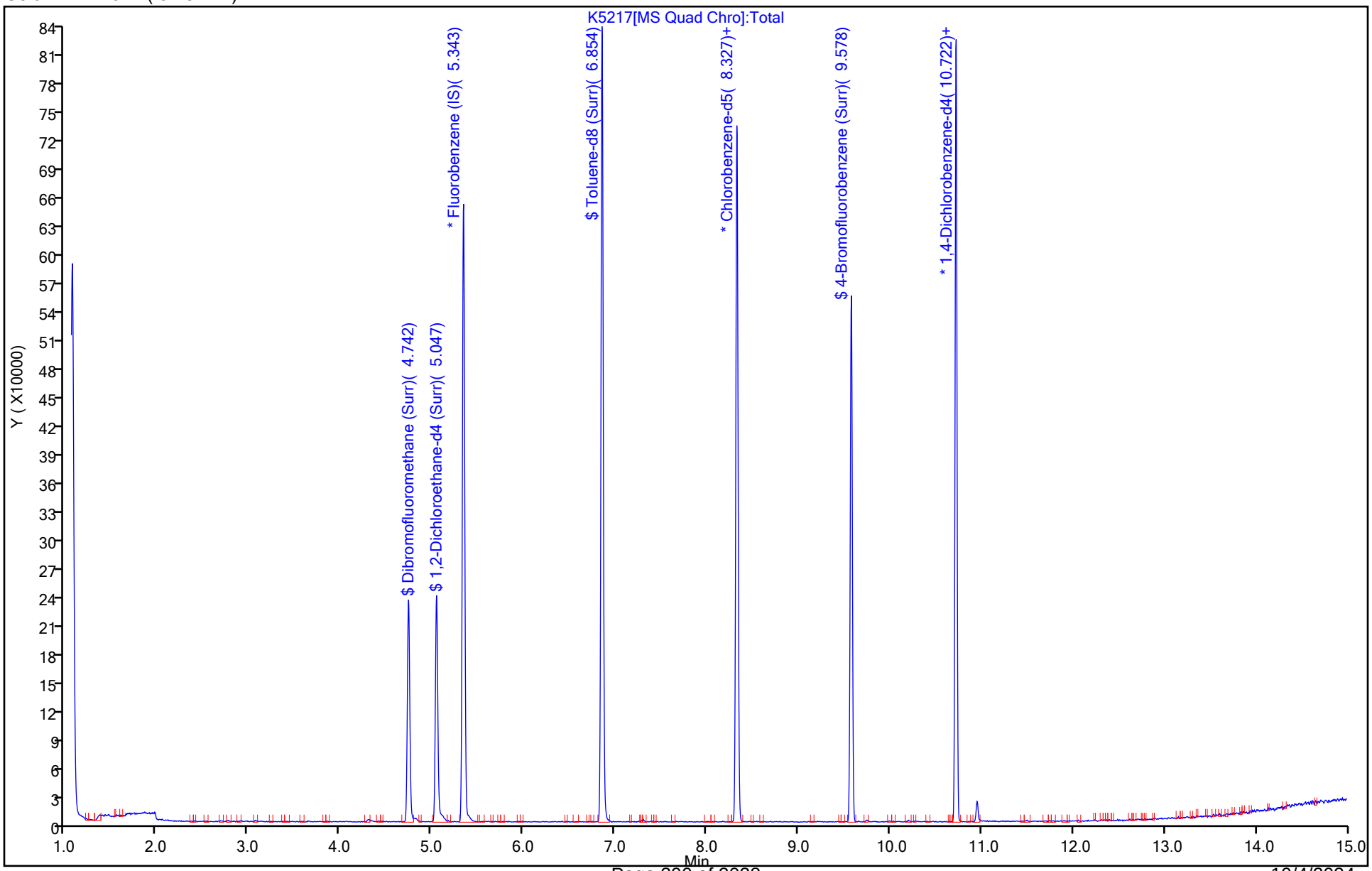
Report Date: 01-Oct-2024 09:21:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5217.D

Injection Date:	28-Sep-2024 02:47:40	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	480-223692-C-9	Lab Sample ID:	480-223692-9	Worklist Smp#:	13
Client ID:	SW-E-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5217.D
Lims ID: 480-223692-C-9
Client ID: SW-E-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 02:47:40 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-9
Misc. Info.: 480-0120263-013
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:24:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.5	102.02
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.5	102.16
$ 6 Toluene-d8 (Surr)	25.0	25.0	100.20
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.8	95.14

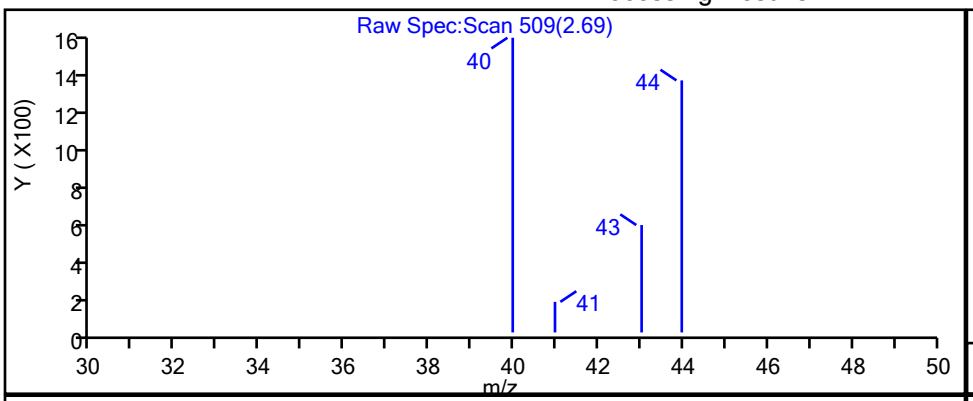
User Disabled Compound Report

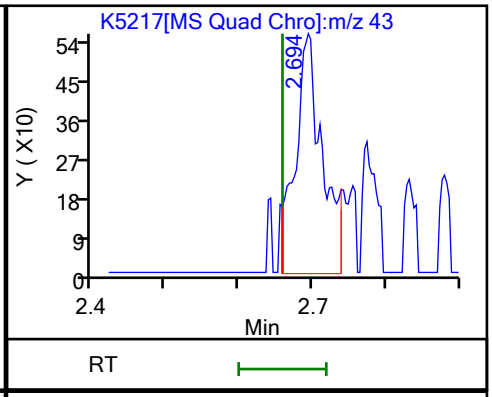
Eurofins Buffalo

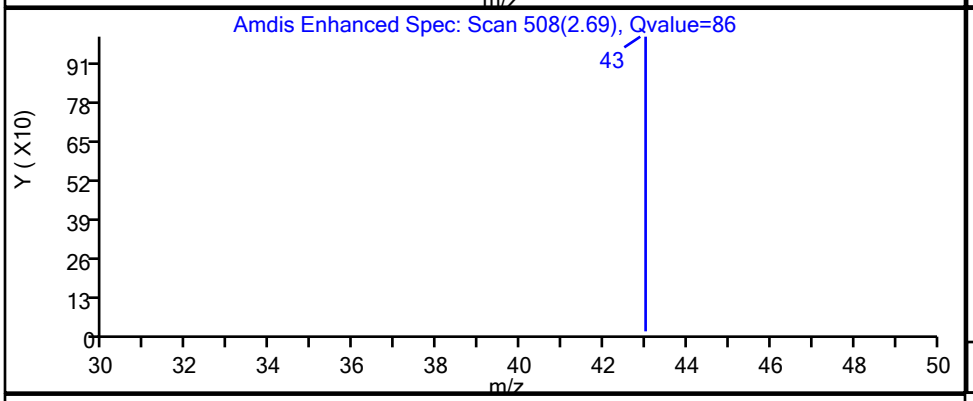
Data File:	\\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5217.D				
Injection Date:	28-Sep-2024 02:47:40	Instrument ID:	HP5977K		
Lims ID:	480-223692-C-9	Lab Sample ID:	480-223692-9		
Client ID:	SW-E-09242024				
Operator ID:	RS	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

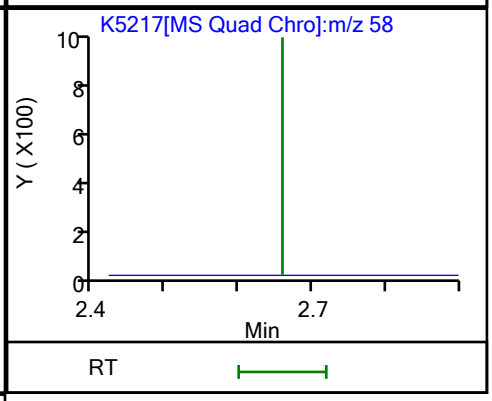
23 Acetone, CAS: 67-64-1

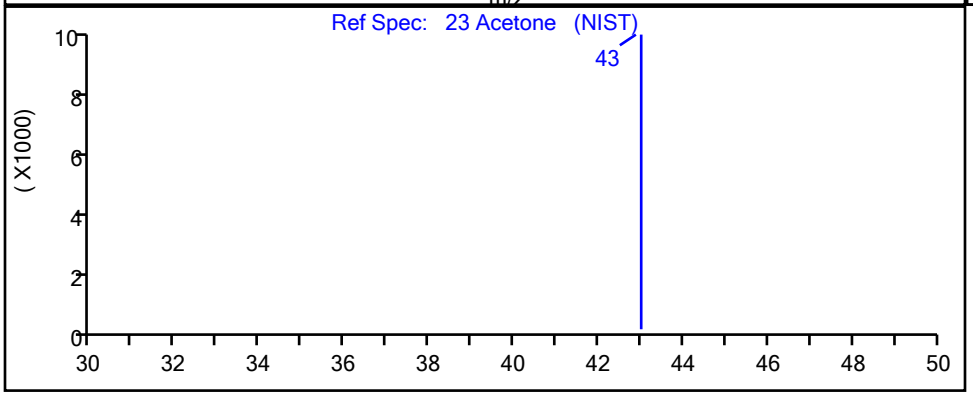
Processing Results











RT	Mass	Response	Amount
2.69	43.00	1438	0.637283
2.66	58.00	0	

Reviewer: WLL8, 30-Sep-2024 10:23:52 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-1-09242024 | Lab Sample ID: 480-223692-10

Matrix: Water | Lab File ID: K5218.D

Analysis Method: 8260C | Date Collected: 09/24/2024 15:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 03:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-1-09242024 | Lab Sample ID: 480-223692-10

Matrix: Water | Lab File ID: K5218.D

Analysis Method: 8260C | Date Collected: 09/24/2024 15:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 03:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5218.D
Lims ID: 480-223692-C-10
Client ID: EB-1-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 03:10:08 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-10
Misc. Info.: 480-0120263-014
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:24:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	113060	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	90	397778	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.719	0.003	97	189569	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	92	149742	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	98	179720	25.0	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	95	543999	25.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	141257	23.0	
11 Dichlorodifluoromethane	85		1.179				ND	
13 Chloromethane	50		1.350				ND	
14 Vinyl chloride	62		1.437				ND	
15 Bromomethane	94		1.745				ND	
16 Chloroethane	64		1.838				ND	
17 Trichlorofluoromethane	101		2.070				ND	
22 1,1-Dichloroethene	96		2.565				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.591				ND	
23 Acetone	43	2.681	2.658	0.023	68	2814	1.10	
25 Carbon disulfide	76		2.768				ND	
28 Methyl acetate	43		2.974				ND	
30 Methylene Chloride	84		3.067				ND	7
33 Methyl tert-butyl ether	73		3.308				ND	
32 trans-1,2-Dichloroethene	96		3.314				ND	
36 1,1-Dichloroethane	63		3.723				ND	
43 cis-1,2-Dichloroethene	96		4.279				ND	
44 2-Butanone (MEK)	43		4.301				ND	
50 Chloroform	83		4.588				ND	
51 1,1,1-Trichloroethane	97		4.723				ND	
52 Cyclohexane	56		4.755				ND	
53 Carbon tetrachloride	117		4.871				ND	
55 Benzene	78		5.073				ND	
57 1,2-Dichloroethane	62		5.118				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.835				ND	
63 1,2-Dichloropropane	63		5.909				ND	
67 Dichlorobromomethane	83		6.195				ND	
71 cis-1,3-Dichloropropene	75		6.617				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92	6.919	6.919	0.000	98	1991	0.1792	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.758				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.761				ND	
110 1,3-Dichlorobenzene	146		10.655				ND	
113 1,4-Dichlorobenzene	146		10.742				ND	
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

K WATER IS/SS_00014 Amount Added: 5.00 Units: uL Run Reagent

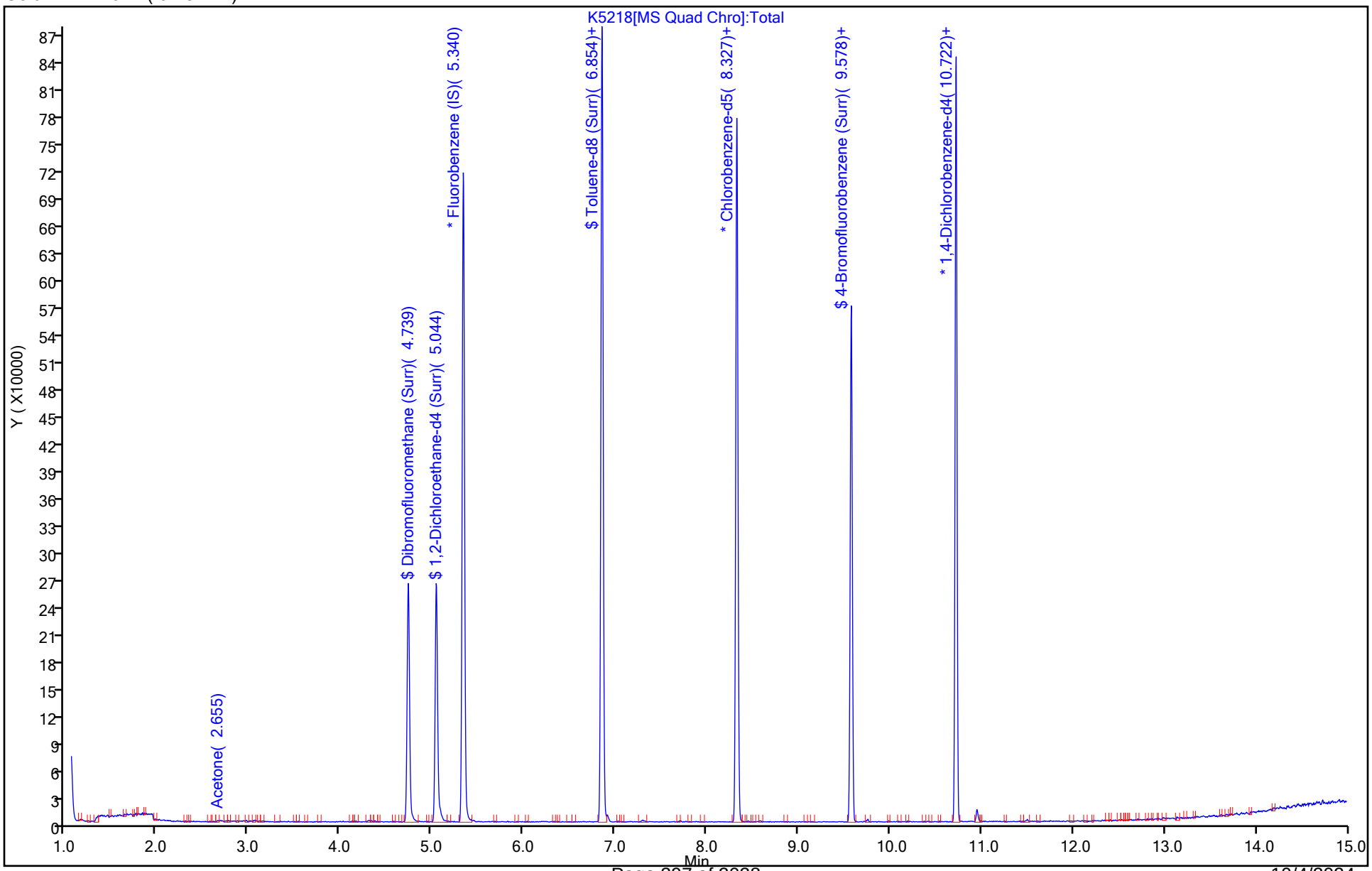
Report Date: 01-Oct-2024 09:21:03 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5218.D

Injection Date:	28-Sep-2024 03:10:08	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	480-223692-C-10	Lab Sample ID:	480-223692-10	Worklist Smp#:	14
Client ID:	EB-1-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5218.D
Lims ID: 480-223692-C-10
Client ID: EB-1-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 03:10:08 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-C-10
Misc. Info.: 480-0120263-014
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:24:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.4	101.49
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.0	100.13
$ 6 Toluene-d8 (Surr)	25.0	25.3	101.10
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.0	92.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-2-09242024 | Lab Sample ID: 480-223692-11

Matrix: Water | Lab File ID: K5219.D

Analysis Method: 8260C | Date Collected: 09/24/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 03:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-2-09242024 | Lab Sample ID: 480-223692-11

Matrix: Water | Lab File ID: K5219.D

Analysis Method: 8260C | Date Collected: 09/24/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 03:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	0.56	J	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5219.D
Lims ID: 480-223692-B-11
Client ID: TB-2-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 03:32:39 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-B-11
Misc. Info.: 480-0120263-015
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:24:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	98	109964	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	90	394502	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.719	0.003	97	193131	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.739	0.003	92	146252	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	98	181919	26.1	
$ 6 Toluene-d8 (Surr)	98	6.857	6.854	0.003	95	541841	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	145770	24.0	
11 Dichlorodifluoromethane	85		1.179				ND	
13 Chloromethane	50		1.350				ND	7
14 Vinyl chloride	62		1.437				ND	
15 Bromomethane	94		1.745				ND	
16 Chloroethane	64		1.838				ND	
17 Trichlorofluoromethane	101		2.070				ND	
22 1,1-Dichloroethene	96		2.565				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.591				ND	
23 Acetone	43	2.674	2.658	0.016	97	1709	0.6871	
25 Carbon disulfide	76		2.768				ND	
28 Methyl acetate	43		2.974				ND	
30 Methylene Chloride	84	3.067	3.067	0.000	95	3817	0.5569	
33 Methyl tert-butyl ether	73		3.308				ND	
32 trans-1,2-Dichloroethene	96		3.314				ND	
36 1,1-Dichloroethane	63		3.723				ND	
43 cis-1,2-Dichloroethene	96		4.279				ND	
44 2-Butanone (MEK)	43		4.301				ND	
50 Chloroform	83		4.588				ND	
51 1,1,1-Trichloroethane	97		4.723				ND	
52 Cyclohexane	56		4.755				ND	
53 Carbon tetrachloride	117		4.871				ND	
55 Benzene	78		5.073				ND	
57 1,2-Dichloroethane	62		5.118				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.835				ND	
63 1,2-Dichloropropane	63		5.909				ND	
67 Dichlorobromomethane	83		6.195				ND	
71 cis-1,3-Dichloropropene	75		6.617				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92		6.919				ND	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.758				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.761				ND	
110 1,3-Dichlorobenzene	146		10.655				ND	
113 1,4-Dichlorobenzene	146		10.742				ND	
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

K WATER IS/SS_00014 Amount Added: 5.00 Units: uL Run Reagent

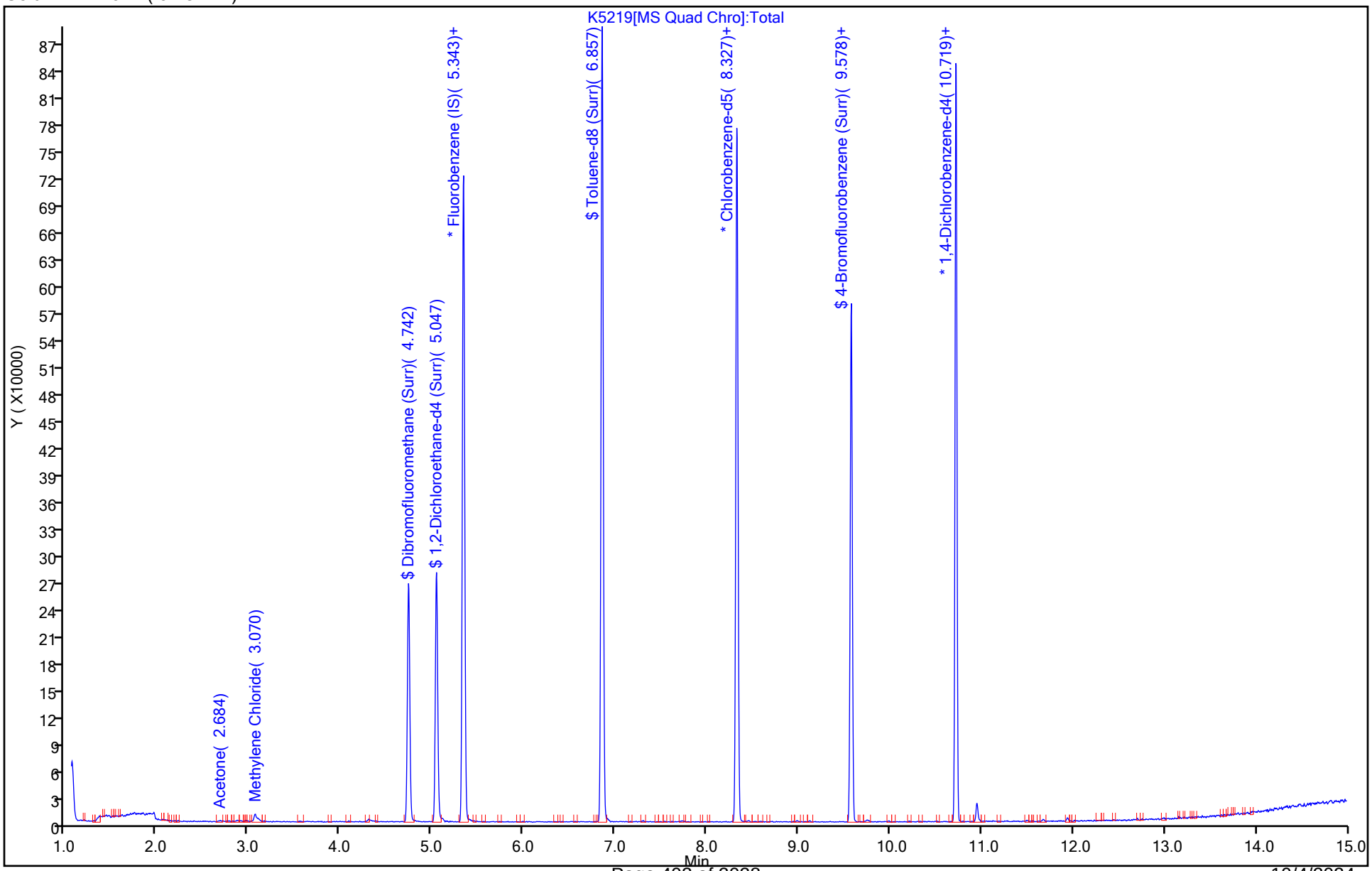
Report Date: 01-Oct-2024 09:21:04 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5219.D

Injection Date:	28-Sep-2024 03:32:39	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	480-223692-B-11	Lab Sample ID:	480-223692-11	Worklist Smp#:	15
Client ID:	TB-2-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5219.D
Lims ID: 480-223692-B-11
Client ID: TB-2-09242024
Sample Type: Client
Inject. Date: 28-Sep-2024 03:32:39 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223692-B-11
Misc. Info.: 480-0120263-015
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:47:15 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: WLL8 Date: 30-Sep-2024 10:24:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.5	101.91
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	26.1	104.21
$ 6 Toluene-d8 (Surr)	25.0	25.4	101.54
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.0	95.88

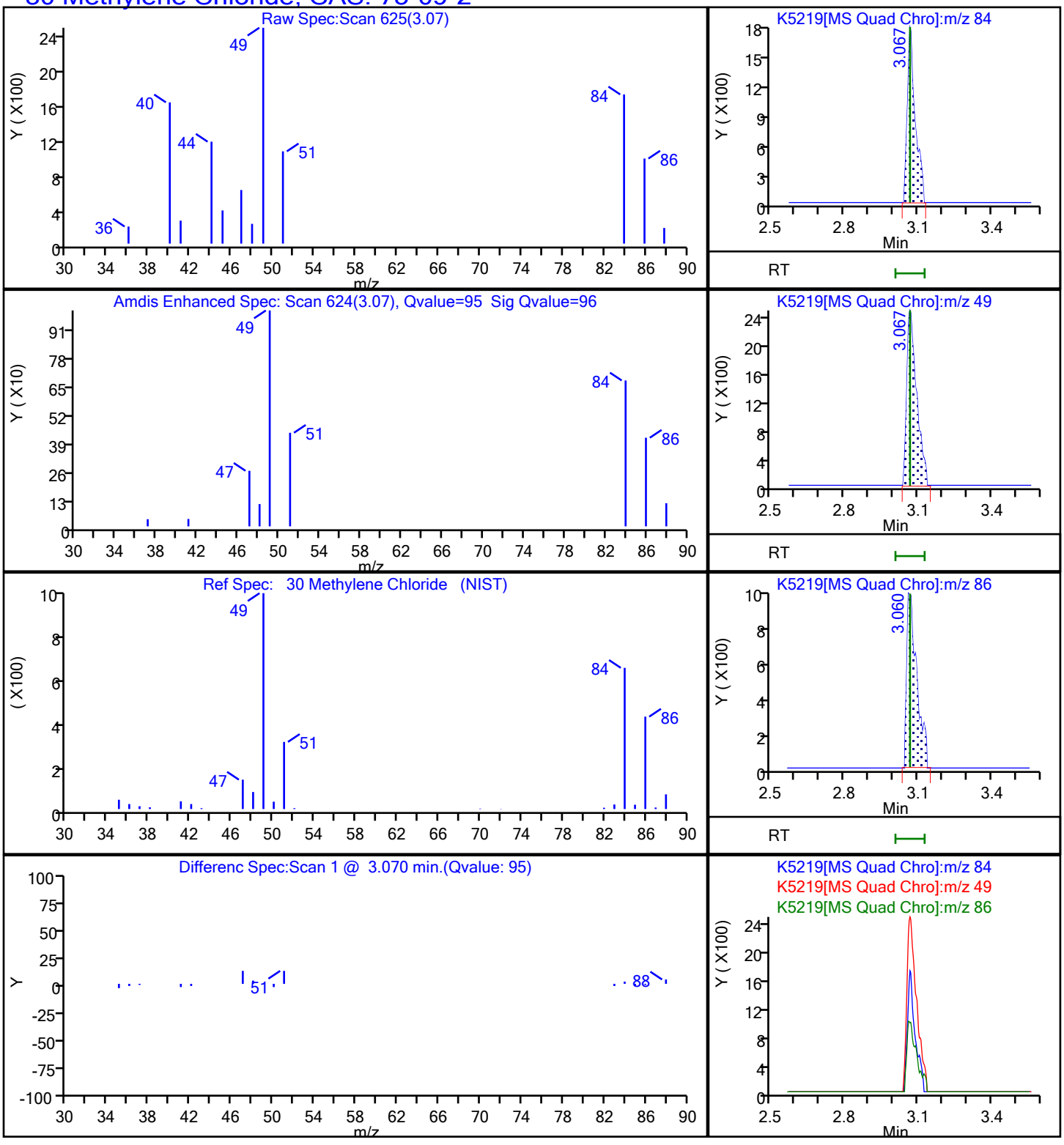
Report Date: 01-Oct-2024 09:21:04 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5219.D

Injection Date:	28-Sep-2024 03:32:39	Instrument ID:	HP5977K		
Lims ID:	480-223692-B-11	Lab Sample ID:	480-223692-11		
Client ID:	TB-2-09242024				
Operator ID:	RS	ALS Bottle#:	0	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2



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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-2-09252024 | Lab Sample ID: 480-223755-1

Matrix: Water | Lab File ID: S2519.d

Analysis Method: 8260C | Date Collected: 09/25/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 18:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-2-09252024 | Lab Sample ID: 480-223755-1

Matrix: Water | Lab File ID: S2519.d

Analysis Method: 8260C | Date Collected: 09/25/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 18:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U *-	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	114		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2519.d
Lims ID: 480-223755-B-1
Client ID: EB-2-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 18:03:30 ALS Bottle#: 20 Worklist Smp#: 41
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-B-1
Misc. Info.: 480-0120249-041
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:10 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:14:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	162185	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	85	326262	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	94	345540	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	211040	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	92	136782	26.5	
$ 5 Toluene-d8 (Surr)	98	6.248	6.253	0.000	93	830281	28.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.956	8.962	0.000	89	262577	24.9	
10 Dichlorodifluoromethane	85		0.992				ND	
12 Chloromethane	50		1.120				ND	
13 Vinyl chloride	62		1.193				ND	
14 Bromomethane	94		1.430				ND	
15 Chloroethane	64		1.509				ND	
17 Trichlorofluoromethane	101		1.686				ND	
22 1,1-Dichloroethene	96		2.105				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.111				ND	
23 Acetone	43	2.227	2.227	0.000	76	7273	1.56	
26 Carbon disulfide	76		2.276				ND	
27 Methyl acetate	43		2.501				ND	
30 Methylene Chloride	84		2.580				ND	
32 Methyl tert-butyl ether	73		2.781				ND	
34 trans-1,2-Dichloroethene	96		2.793				ND	
39 1,1-Dichloroethane	63		3.194				ND	
45 cis-1,2-Dichloroethene	96		3.736				ND	
43 2-Butanone (MEK)	43		3.778				ND	
50 Chloroform	83		4.046				ND	
51 1,1,1-Trichloroethane	97		4.137				ND	
52 Cyclohexane	56		4.137				ND	
55 Carbon tetrachloride	117		4.271				ND	
57 Benzene	78		4.484				ND	
58 1,2-Dichloroethane	62		4.557				ND	
62 Trichloroethene	95		5.092				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.196				ND	
65 1,2-Dichloropropane	63		5.330				ND	
68 Dichlorobromomethane	83		5.622				ND	
72 cis-1,3-Dichloropropene	75		6.035				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92	6.309	6.309	0.000	52	3185	0.1526	a
77 trans-1,3-Dichloropropene	75		6.601				ND	
79 1,1,2-Trichloroethane	83		6.784				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.027				ND	
83 Chlorodibromomethane	129		7.167				ND	
84 Ethylene Dibromide	107		7.258				ND	
87 Chlorobenzene	112		7.733				ND	
88 Ethylbenzene	91		7.836				ND	
90 m-Xylene & p-Xylene	106		7.958				ND	
91 o-Xylene	106		8.377				ND	
92 Styrene	104		8.408				ND	
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105		8.761				ND	
97 1,1,2,2-Tetrachloroethane	83		9.193				ND	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.178				ND	
116 1,2-Dichlorobenzene	146		10.537				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.292				ND	
119 1,2,4-Trichlorobenzene	180		11.973				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

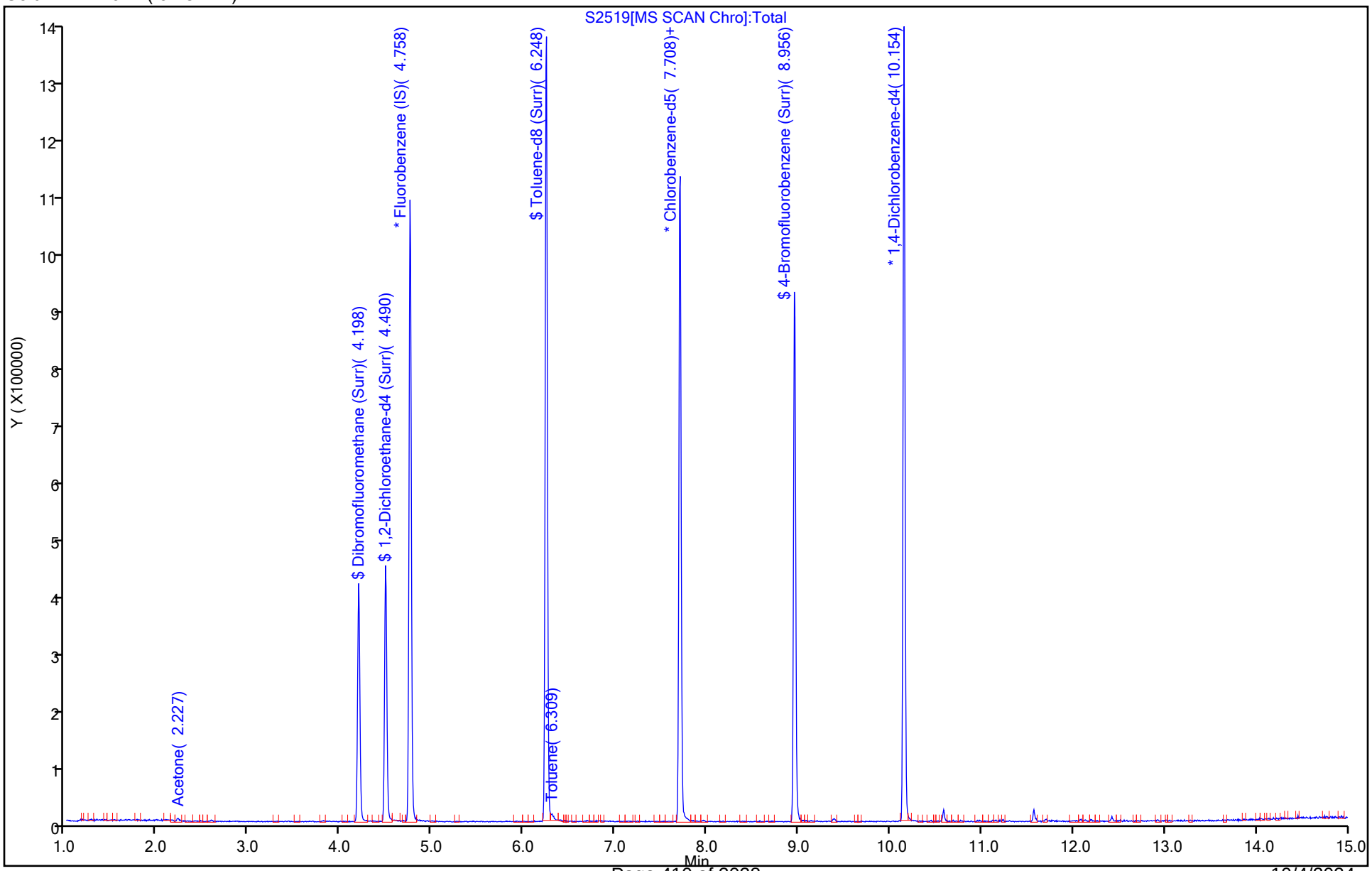
Report Date: 30-Sep-2024 09:14:11 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2519.d

Injection Date:	27-Sep-2024 18:03:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223755-B-1	Lab Sample ID:	480-223755-1	Worklist Smp#:	41
Client ID:	EB-2-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2519.d
Lims ID: 480-223755-B-1
Client ID: EB-2-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 18:03:30 ALS Bottle#: 20 Worklist Smp#: 41
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-B-1
Misc. Info.: 480-0120249-041
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:10 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:14:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.5	102.01
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	26.5	106.10
$ 5 Toluene-d8 (Surr)	25.0	28.5	114.01
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.9	99.64

Manual Integration/User Assign Peak Report

Eurofins Buffalo

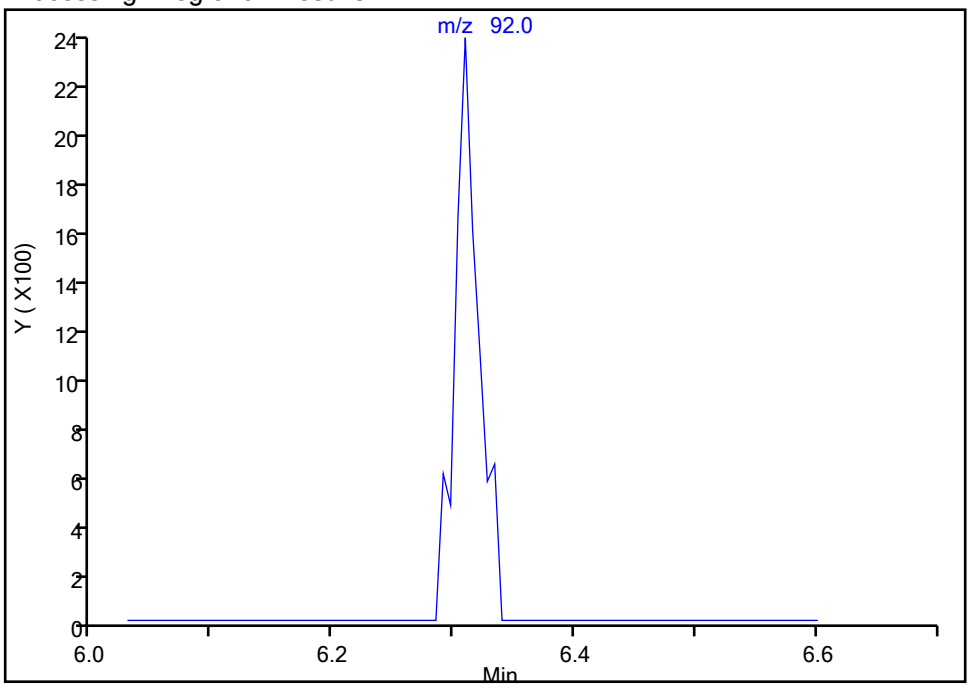
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2519.d				
Injection Date:	27-Sep-2024 18:03:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-B-1	Lab Sample ID:	480-223755-1		
Client ID:	EB-2-09252024				
Operator ID:	ZN	ALS Bottle#:	20	Worklist Smp#:	41
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

Signal: 1

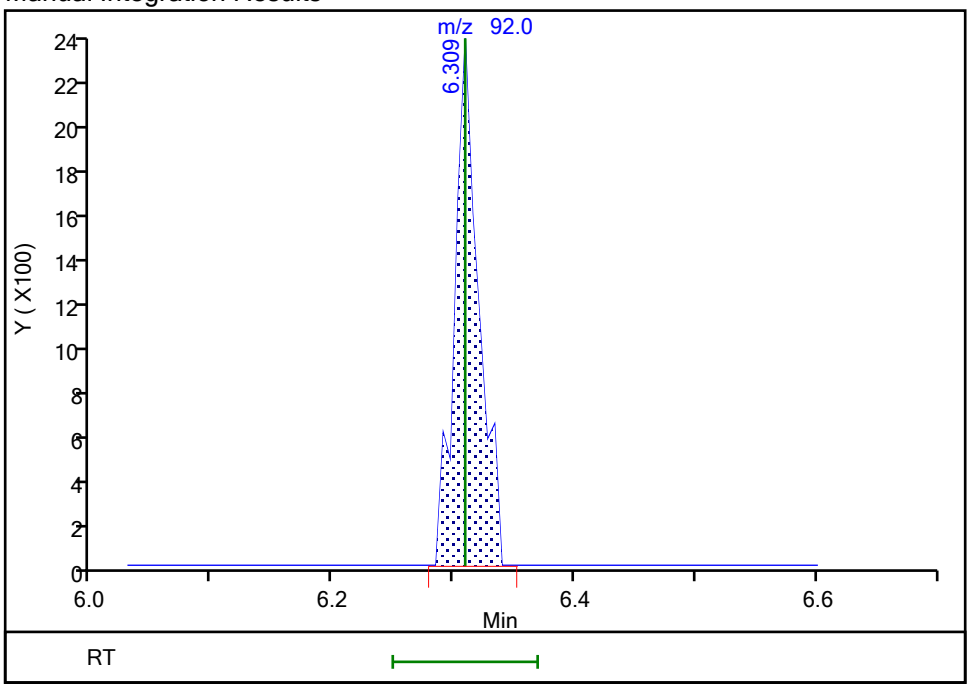
Not Detected
Expected RT: 6.31

Processing Integration Results



Manual Integration Results

RT: 6.31
Area: 3185
Amount: 0.152641
Amount Units: ug/L



Reviewer: QR3Z, 30-Sep-2024 09:14:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-4S-09252024 | Lab Sample ID: 480-223755-2

Matrix: Water | Lab File ID: S2520.d

Analysis Method: 8260C | Date Collected: 09/25/2024 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 18:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-4S-09252024 | Lab Sample ID: 480-223755-2

Matrix: Water | Lab File ID: S2520.d

Analysis Method: 8260C | Date Collected: 09/25/2024 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 18:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U *-	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	111		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2520.d
Lims ID: 480-223755-A-2
Client ID: GW-4S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 18:26:30 ALS Bottle#: 21 Worklist Smp#: 42
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-2
Misc. Info.: 480-0120249-042
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:10 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:14:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	178477	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	84	358936	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	94	373489	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	222193	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	91	149922	26.4	
$ 5 Toluene-d8 (Surr)	98	6.248	6.253	0.000	93	887877	27.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	0.005	93	273719	23.6	
10 Dichlorodifluoromethane	85		0.992				ND	
12 Chloromethane	50		1.120				ND	
13 Vinyl chloride	62		1.193				ND	
14 Bromomethane	94		1.430				ND	
15 Chloroethane	64		1.509				ND	
17 Trichlorofluoromethane	101		1.686				ND	
22 1,1-Dichloroethene	96		2.105				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.111				ND	
23 Acetone	43		2.227				ND	
26 Carbon disulfide	76		2.276				ND	
27 Methyl acetate	43		2.501				ND	
30 Methylene Chloride	84		2.580				ND	
32 Methyl tert-butyl ether	73		2.781				ND	
34 trans-1,2-Dichloroethene	96		2.793				ND	
39 1,1-Dichloroethane	63		3.194				ND	
45 cis-1,2-Dichloroethene	96		3.736				ND	
43 2-Butanone (MEK)	43		3.778				ND	
50 Chloroform	83		4.046				ND	
51 1,1,1-Trichloroethane	97		4.137				ND	
52 Cyclohexane	56		4.137				ND	
55 Carbon tetrachloride	117		4.271				ND	
57 Benzene	78		4.484				ND	
58 1,2-Dichloroethane	62		4.557				ND	
62 Trichloroethene	95		5.092				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.196				ND	
65 1,2-Dichloropropane	63		5.330				ND	
68 Dichlorobromomethane	83		5.622				ND	
72 cis-1,3-Dichloropropene	75		6.035				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92		6.309				ND	
77 trans-1,3-Dichloropropene	75		6.601				ND	
79 1,1,2-Trichloroethane	83		6.784				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.027				ND	
83 Chlorodibromomethane	129		7.167				ND	
84 Ethylene Dibromide	107		7.258				ND	
87 Chlorobenzene	112		7.733				ND	
88 Ethylbenzene	91		7.836				ND	
90 m-Xylene & p-Xylene	106		7.958				ND	
91 o-Xylene	106		8.377				ND	
92 Styrene	104		8.408				ND	
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105		8.761				ND	
97 1,1,2,2-Tetrachloroethane	83		9.193				ND	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.178				ND	
116 1,2-Dichlorobenzene	146		10.537				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.292				ND	
119 1,2,4-Trichlorobenzene	180		11.973				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

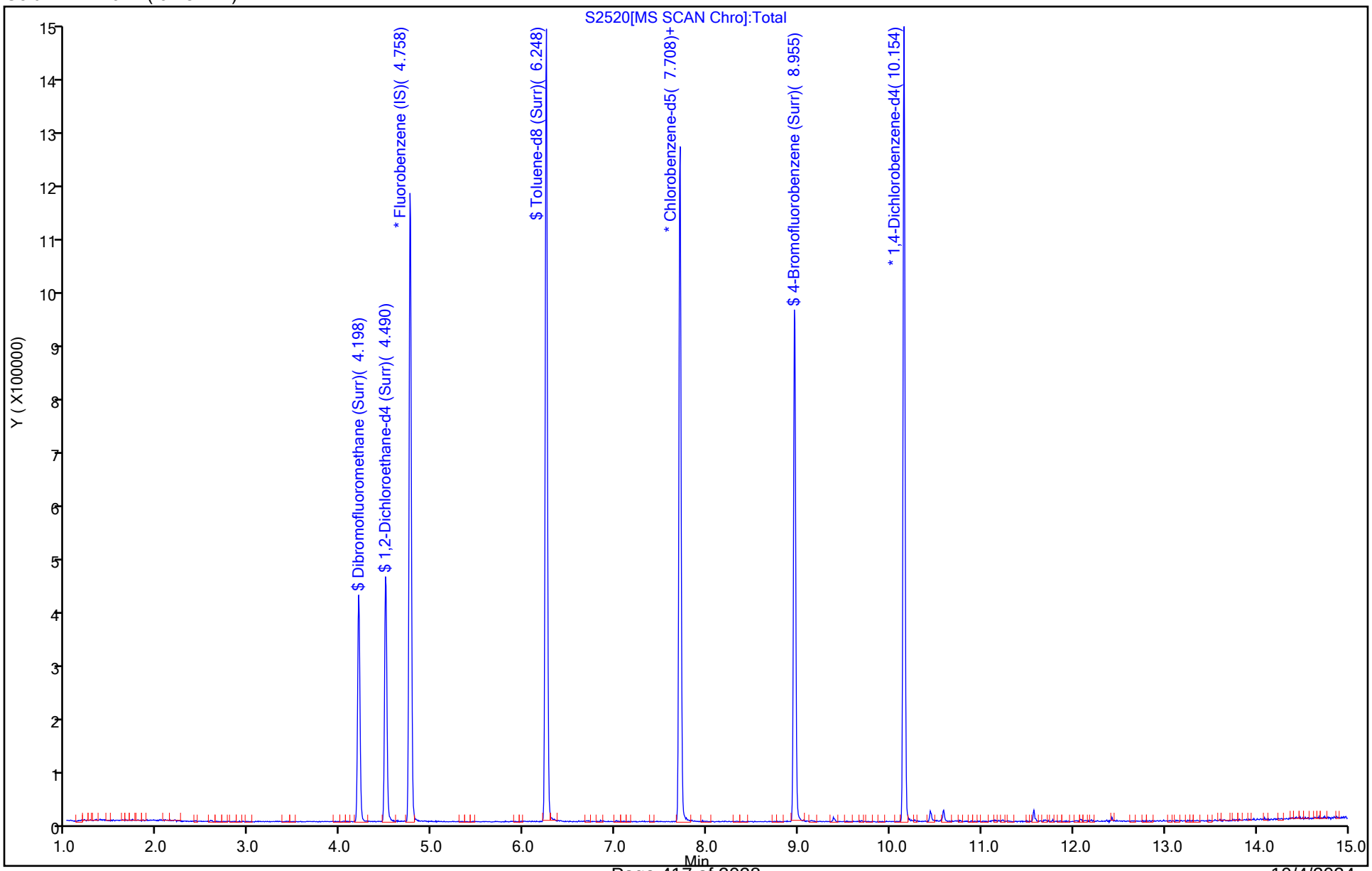
Report Date: 30-Sep-2024 09:14:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2520.d

Injection Date:	27-Sep-2024 18:26:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223755-A-2	Lab Sample ID:	480-223755-2	Worklist Smp#:	42
Client ID:	GW-4S-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2520.d
Lims ID: 480-223755-A-2
Client ID: GW-4S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 18:26:30 ALS Bottle#: 21 Worklist Smp#: 42
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-2
Misc. Info.: 480-0120249-042
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:10 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:14:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.4	97.60
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	26.4	105.68
$ 5 Toluene-d8 (Surr)	25.0	27.7	110.82
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.6	94.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-4D-09252024 | Lab Sample ID: 480-223755-3

Matrix: Water | Lab File ID: S2521.d

Analysis Method: 8260C | Date Collected: 09/25/2024 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 18:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-4D-09252024 | Lab Sample ID: 480-223755-3

Matrix: Water | Lab File ID: S2521.d

Analysis Method: 8260C | Date Collected: 09/25/2024 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 18:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U *-	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2521.d
Lims ID: 480-223755-A-3
Client ID: GW-4D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 18:49:30 ALS Bottle#: 22 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-3
Misc. Info.: 480-0120249-043
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:57 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:14:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	159649	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	87	311487	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	95	330785	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	217434	26.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	96	139404	27.5	
$ 5 Toluene-d8 (Surr)	98	6.248	6.253	0.000	93	807257	29.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	0.005	91	248943	24.7	
10 Dichlorodifluoromethane	85		0.992				ND	
12 Chloromethane	50		1.120				ND	
13 Vinyl chloride	62		1.193				ND	
14 Bromomethane	94		1.430				ND	
15 Chloroethane	64		1.509				ND	
17 Trichlorofluoromethane	101		1.686				ND	
22 1,1-Dichloroethene	96		2.105				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.111				ND	
23 Acetone	43	2.221	2.221	-0.006	73	2994	0.6504	a
26 Carbon disulfide	76		2.276				ND	
27 Methyl acetate	43		2.501				ND	
30 Methylene Chloride	84		2.580				ND	7
32 Methyl tert-butyl ether	73		2.781				ND	
34 trans-1,2-Dichloroethene	96		2.793				ND	
39 1,1-Dichloroethane	63		3.194				ND	
45 cis-1,2-Dichloroethene	96		3.736				ND	
43 2-Butanone (MEK)	43		3.778				ND	
50 Chloroform	83		4.046				ND	
51 1,1,1-Trichloroethane	97		4.137				ND	
52 Cyclohexane	56		4.137				ND	
55 Carbon tetrachloride	117		4.271				ND	
57 Benzene	78		4.484				ND	
58 1,2-Dichloroethane	62		4.557				ND	
62 Trichloroethene	95		5.092				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.196				ND	
65 1,2-Dichloropropane	63		5.330				ND	
68 Dichlorobromomethane	83		5.622				ND	
72 cis-1,3-Dichloropropene	75		6.035				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92		6.309				ND	
77 trans-1,3-Dichloropropene	75		6.601				ND	
79 1,1,2-Trichloroethane	83		6.784				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.027				ND	
83 Chlorodibromomethane	129		7.167				ND	
84 Ethylene Dibromide	107		7.258				ND	
87 Chlorobenzene	112		7.733				ND	
88 Ethylbenzene	91		7.836				ND	
90 m-Xylene & p-Xylene	106		7.958				ND	
91 o-Xylene	106		8.377				ND	
92 Styrene	104		8.408				ND	
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105		8.761				ND	
97 1,1,2,2-Tetrachloroethane	83		9.193				ND	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.178				ND	
116 1,2-Dichlorobenzene	146		10.537				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.292				ND	
119 1,2,4-Trichlorobenzene	180		11.973				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

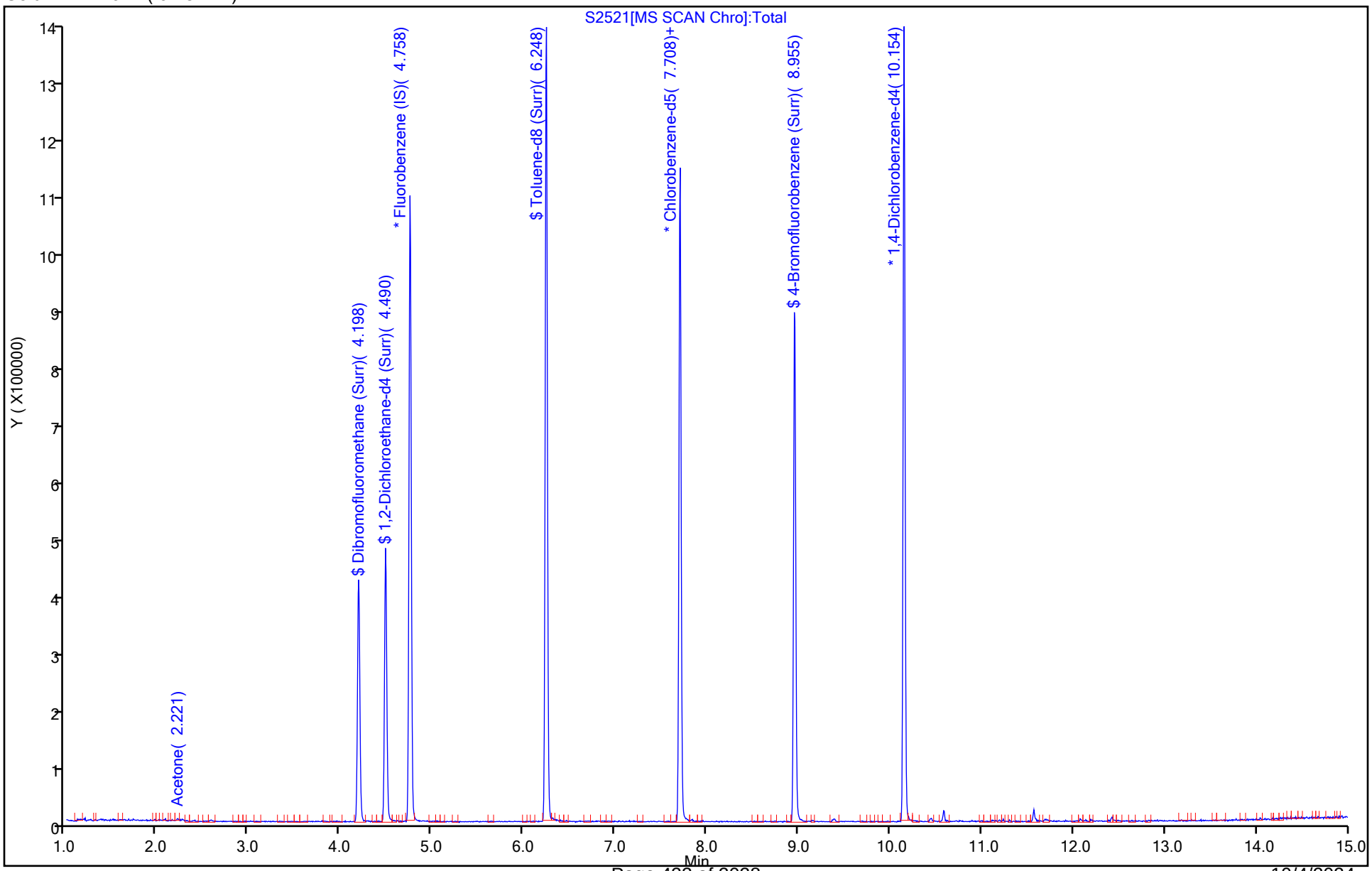
Report Date: 30-Sep-2024 09:14:58 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2521.d

Injection Date:	27-Sep-2024 18:49:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223755-A-3	Lab Sample ID:	480-223755-3	Worklist Smp#:	43
Client ID:	GW-4D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2521.d
Lims ID: 480-223755-A-3
Client ID: GW-4D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 18:49:30 ALS Bottle#: 22 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-3
Misc. Info.: 480-0120249-043
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:57 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:14:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	26.7	106.78
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	27.5	109.85
$ 5 Toluene-d8 (Surr)	25.0	29.0	116.11
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.7	98.95

Manual Integration/User Assign Peak Report

Eurofins Buffalo

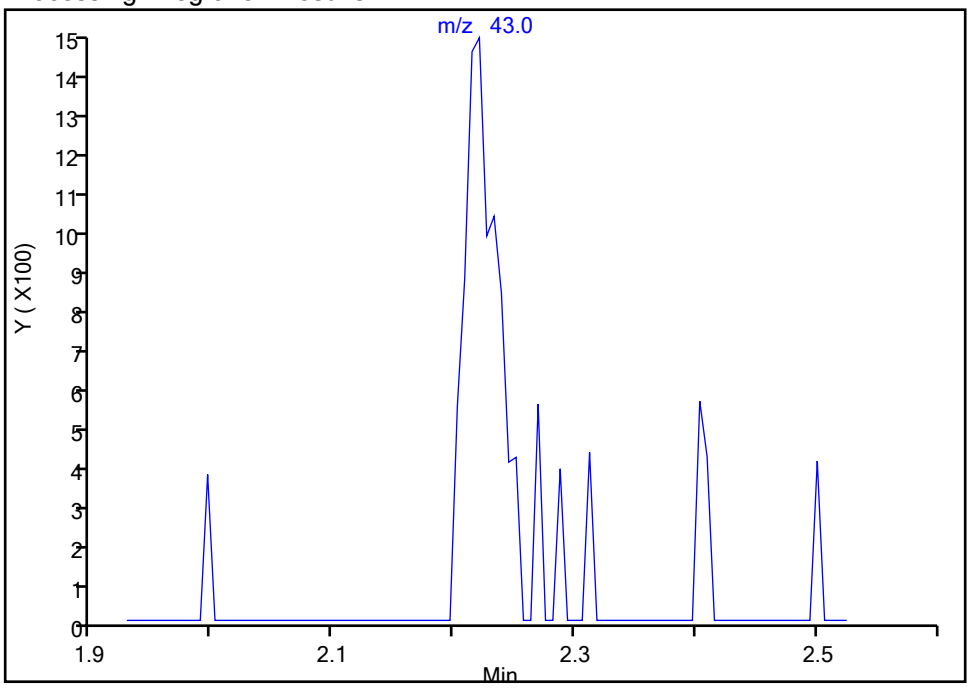
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2521.d				
Injection Date:	27-Sep-2024 18:49:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-3	Lab Sample ID:	480-223755-3		
Client ID:	GW-4D-09252024				
Operator ID:	ZN	ALS Bottle#:	22	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

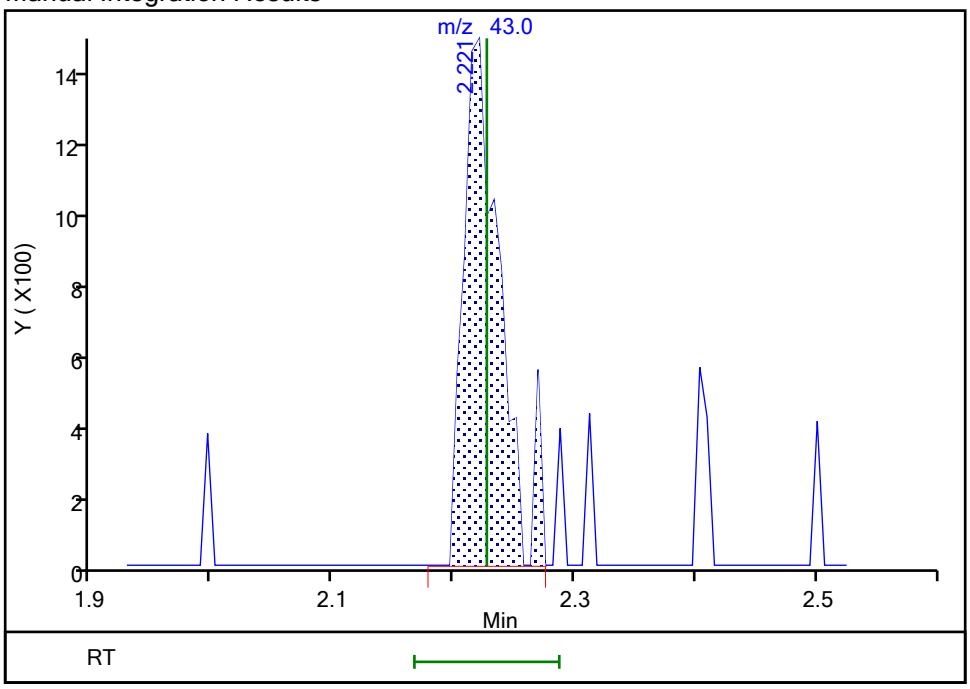
Not Detected
Expected RT: 2.23

Processing Integration Results



Manual Integration Results

RT: 2.22
Area: 2994
Amount: 0.650399
Amount Units: ug/L



Reviewer: QR3Z, 30-Sep-2024 09:14:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-25D-09252024 | Lab Sample ID: 480-223755-4

Matrix: Water | Lab File ID: S2522.d

Analysis Method: 8260C | Date Collected: 09/25/2024 10:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0		1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	15		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.2		1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-25D-09252024 | Lab Sample ID: 480-223755-4

Matrix: Water | Lab File ID: S2522.d

Analysis Method: 8260C | Date Collected: 09/25/2024 10:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U *-	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	51		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2522.d
Lims ID: 480-223755-A-4
Client ID: GW-M-25D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 19:13:30 ALS Bottle#: 23 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-4
Misc. Info.: 480-0120249-044
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:57 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:15:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	179153	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	86	365529	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	95	391241	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	223930	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	91	143724	25.2	
$ 5 Toluene-d8 (Surr)	98	6.248	6.253	0.000	93	833695	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.962	0.006	91	283111	24.0	
10 Dichlorodifluoromethane	85		0.992				ND	
12 Chloromethane	50		1.120				ND	
13 Vinyl chloride	62		1.193				ND	
14 Bromomethane	94		1.430				ND	
15 Chloroethane	64		1.509				ND	
17 Trichlorofluoromethane	101		1.686				ND	
22 1,1-Dichloroethene	96		2.105				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.118	2.111	0.007	21	4533	1.00	
23 Acetone	43		2.227				ND	
26 Carbon disulfide	76		2.276				ND	
27 Methyl acetate	43		2.501				ND	
30 Methylene Chloride	84		2.580				ND	
32 Methyl tert-butyl ether	73		2.781				ND	
34 trans-1,2-Dichloroethene	96		2.793				ND	
39 1,1-Dichloroethane	63		3.194				ND	
45 cis-1,2-Dichloroethene	96		3.736				ND	
43 2-Butanone (MEK)	43		3.778				ND	
50 Chloroform	83	4.046	4.046	0.000	70	20723	1.24	
51 1,1,1-Trichloroethane	97	4.137	4.137	0.000	55	8253	0.6871	
52 Cyclohexane	56		4.137				ND	
55 Carbon tetrachloride	117	4.271	4.271	0.000	76	158810	15.2	
57 Benzene	78		4.484				ND	
58 1,2-Dichloroethane	62		4.557				ND	
62 Trichloroethene	95	5.092	5.092	0.000	90	469061	50.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.196				ND	
65 1,2-Dichloropropane	63		5.330				ND	
68 Dichlorobromomethane	83		5.622				ND	
72 cis-1,3-Dichloropropene	75		6.035				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92		6.309				ND	
77 trans-1,3-Dichloropropene	75		6.601				ND	
79 1,1,2-Trichloroethane	83		6.784				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.027				ND	
83 Chlorodibromomethane	129		7.167				ND	
84 Ethylene Dibromide	107		7.258				ND	
87 Chlorobenzene	112		7.733				ND	
88 Ethylbenzene	91		7.836				ND	
90 m-Xylene & p-Xylene	106		7.958				ND	
91 o-Xylene	106		8.377				ND	
92 Styrene	104		8.408				ND	
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105		8.761				ND	
97 1,1,2,2-Tetrachloroethane	83		9.193				ND	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.178				ND	
116 1,2-Dichlorobenzene	146		10.537				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.292				ND	
119 1,2,4-Trichlorobenzene	180		11.973				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

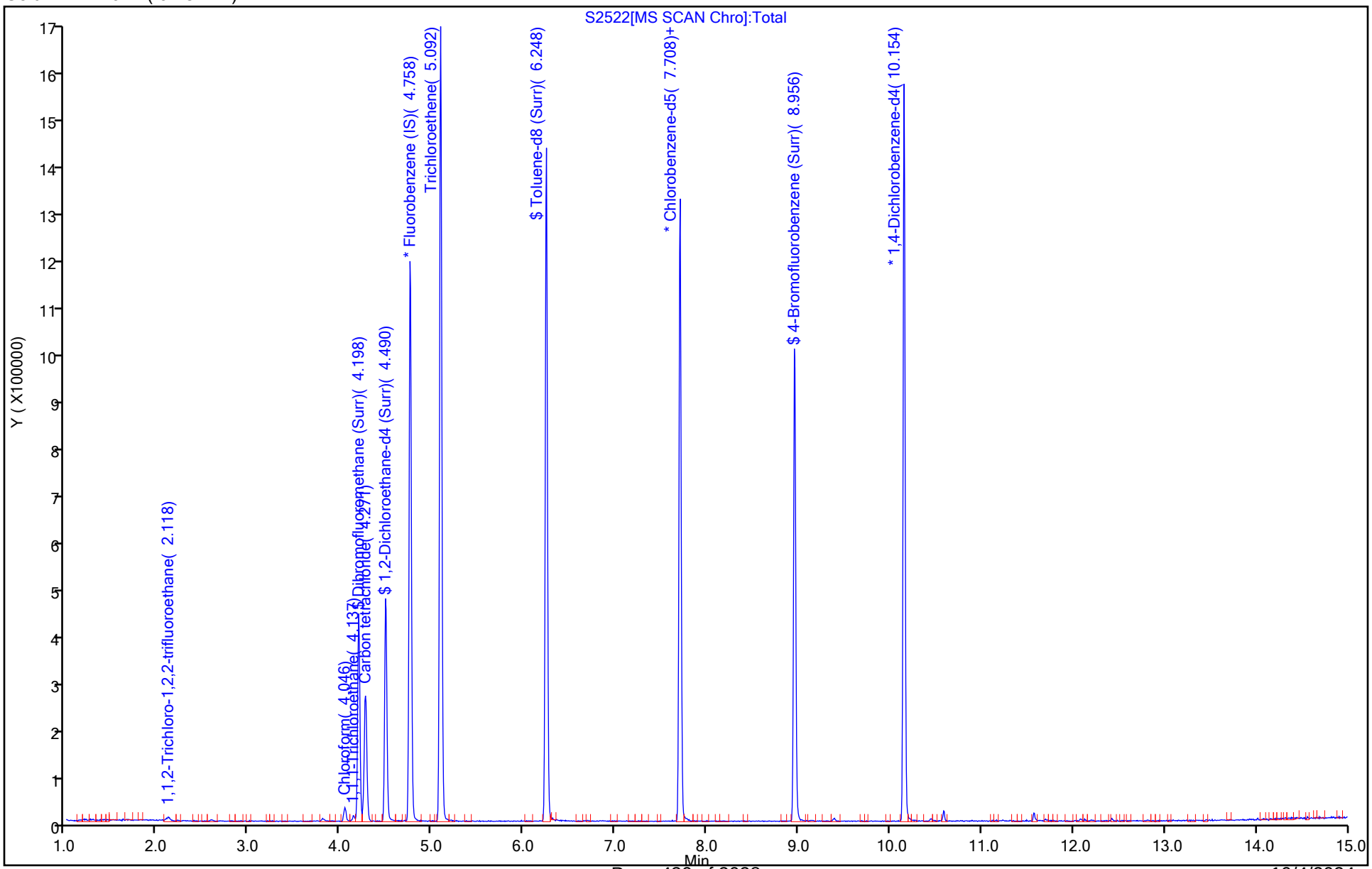
Report Date: 30-Sep-2024 09:15:23 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2522.d

Injection Date:	27-Sep-2024 19:13:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223755-A-4	Lab Sample ID:	480-223755-4	Worklist Smp#:	44
Client ID:	GW-M-25D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2522.d
Lims ID: 480-223755-A-4
Client ID: GW-M-25D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 19:13:30 ALS Bottle#: 23 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-4
Misc. Info.: 480-0120249-044
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:57 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

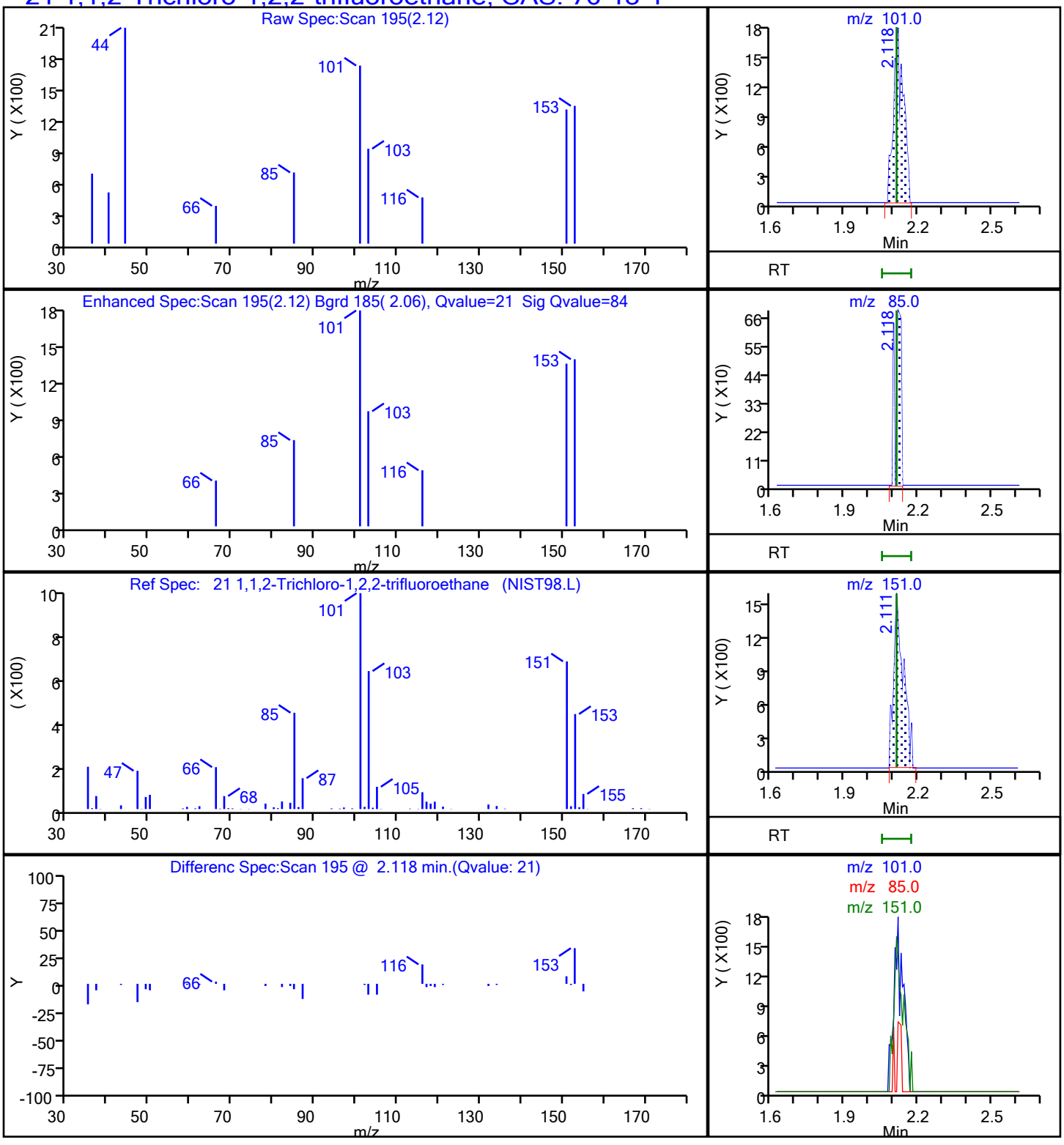
First Level Reviewer: QR3Z Date: 30-Sep-2024 09:15:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.5	97.99
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.2	100.92
$ 5 Toluene-d8 (Surr)	25.0	25.5	102.18
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.0	95.89

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2522.d
Injection Date: 27-Sep-2024 19:13:30 Instrument ID: HP5973S
Lims ID: 480-223755-A-4 Lab Sample ID: 480-223755-4
Client ID: GW-M-25D-09252024
Operator ID: ZN ALS Bottle#: 23 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

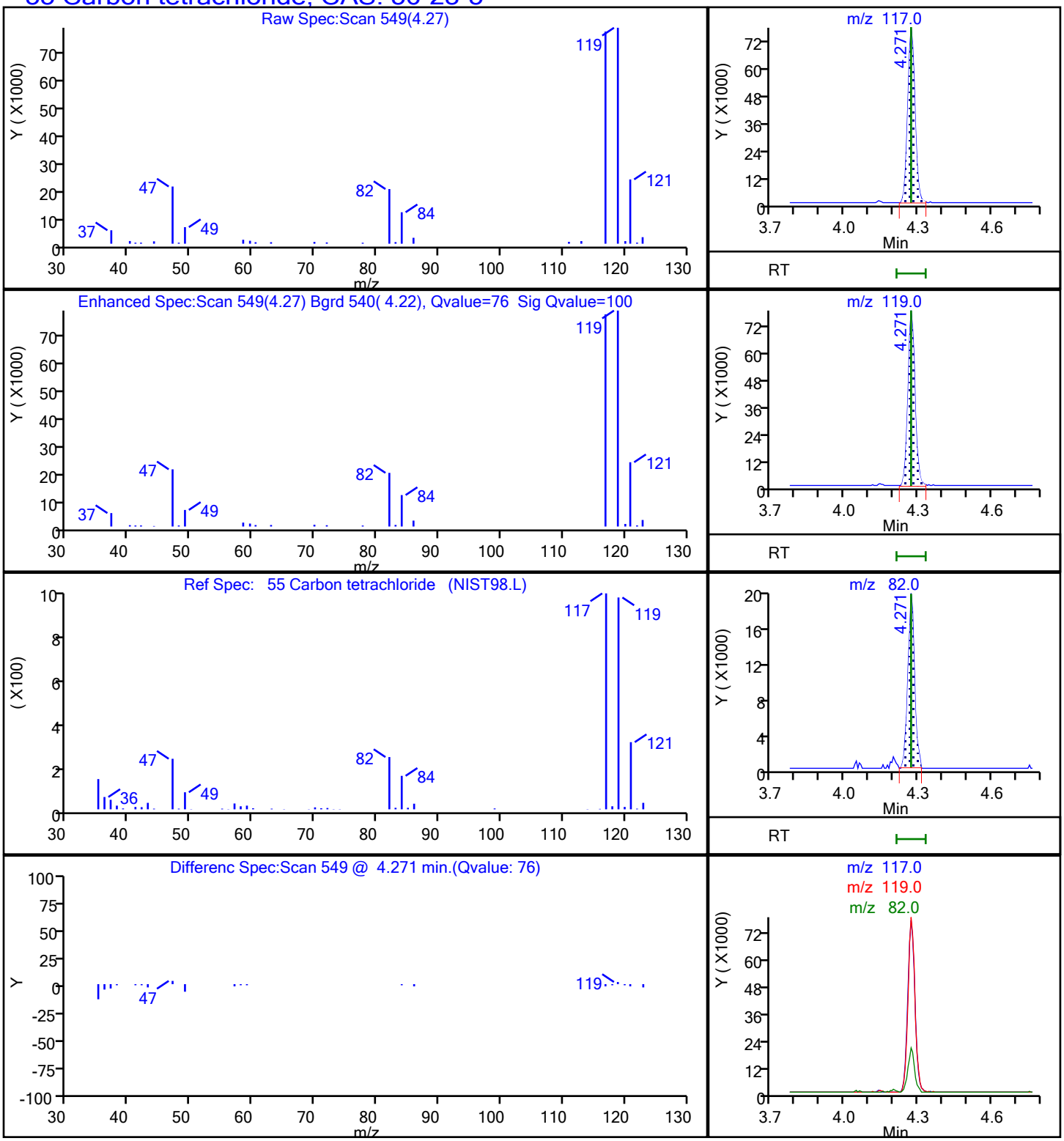
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2522.d
Injection Date: 27-Sep-2024 19:13:30 Instrument ID: HP5973S
Lims ID: 480-223755-A-4 Lab Sample ID: 480-223755-4
Client ID: GW-M-25D-09252024
Operator ID: ZN ALS Bottle#: 23 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5



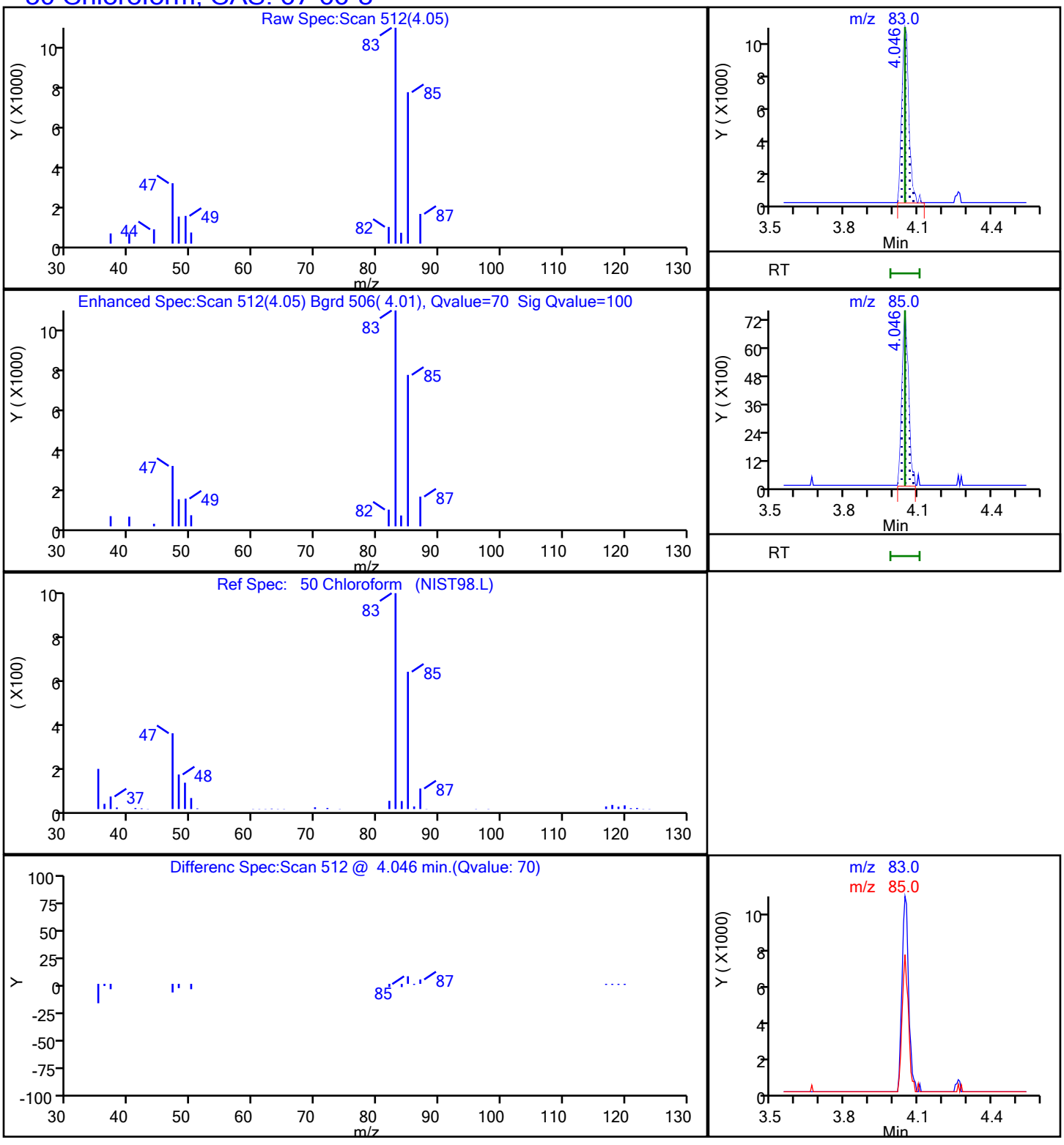
Report Date: 30-Sep-2024 09:15:23 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2522.d

Injection Date:	27-Sep-2024 19:13:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-4	Lab Sample ID:	480-223755-4		
Client ID:	GW-M-25D-09252024				
Operator ID:	ZN	ALS Bottle#:	23	Worklist Smp#:	44
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3



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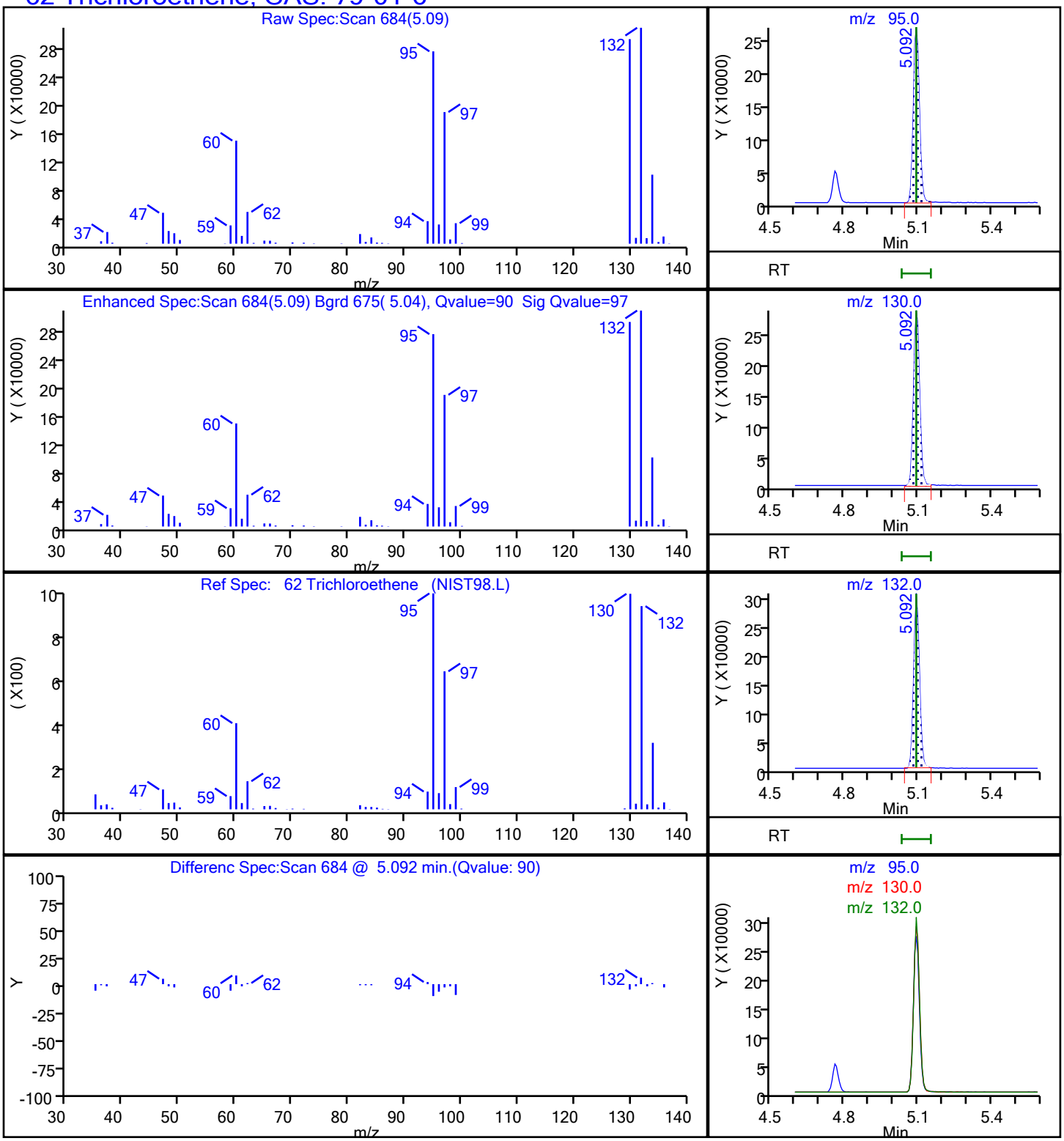
Report Date: 30-Sep-2024 09:15:23 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2522.d

Injection Date:	27-Sep-2024 19:13:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-4	Lab Sample ID:	480-223755-4		
Client ID:	GW-M-25D-09252024				
Operator ID:	ZN	ALS Bottle#:	23	Worklist Smp#:	44
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-25S-09252024 | Lab Sample ID: 480-223755-5

Matrix: Water | Lab File ID: S2523.d

Analysis Method: 8260C | Date Collected: 09/25/2024 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 19:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3		1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	11		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.60	J	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-25S-09252024 | Lab Sample ID: 480-223755-5

Matrix: Water | Lab File ID: S2523.d

Analysis Method: 8260C | Date Collected: 09/25/2024 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 19:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U *-	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	30		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	113		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2523.d
Lims ID: 480-223755-A-5
Client ID: GW-M-25S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 19:36:30 ALS Bottle#: 24 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-5
Misc. Info.: 480-0120249-045
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:57 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:15:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	167343	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	86	330310	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	94	364110	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	220970	25.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.496	4.490	0.006	97	145264	27.3	
$ 5 Toluene-d8 (Surr)	98	6.248	6.253	0.000	93	831607	28.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	0.005	91	276650	25.9	
10 Dichlorodifluoromethane	85		0.992				ND	
12 Chloromethane	50		1.120				ND	
13 Vinyl chloride	62		1.193				ND	
14 Bromomethane	94		1.430				ND	
15 Chloroethane	64		1.509				ND	
17 Trichlorofluoromethane	101		1.686				ND	
22 1,1-Dichloroethene	96		2.105				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.130	2.111	0.019	28	5889	1.26	
23 Acetone	43	2.221	2.221	-0.006	83	8008	1.66	
26 Carbon disulfide	76		2.276				ND	
27 Methyl acetate	43		2.501				ND	
30 Methylene Chloride	84		2.580				ND	7
32 Methyl tert-butyl ether	73		2.781				ND	
34 trans-1,2-Dichloroethene	96		2.793				ND	
39 1,1-Dichloroethane	63		3.194				ND	
45 cis-1,2-Dichloroethene	96		3.736				ND	
43 2-Butanone (MEK)	43		3.778				ND	
50 Chloroform	83	4.040	4.046	-0.006	56	9410	0.6050	
51 1,1,1-Trichloroethane	97		4.137				ND	
52 Cyclohexane	56		4.137				ND	
55 Carbon tetrachloride	117	4.277	4.271	0.006	80	103946	10.7	
57 Benzene	78		4.484				ND	
58 1,2-Dichloroethane	62		4.557				ND	
62 Trichloroethene	95	5.092	5.092	0.000	92	261912	30.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.196				ND	
65 1,2-Dichloropropane	63		5.330				ND	
68 Dichlorobromomethane	83		5.622				ND	
72 cis-1,3-Dichloropropene	75		6.035				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92		6.309				ND	
77 trans-1,3-Dichloropropene	75		6.601				ND	
79 1,1,2-Trichloroethane	83		6.784				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.027				ND	
83 Chlorodibromomethane	129		7.167				ND	
84 Ethylene Dibromide	107		7.258				ND	
87 Chlorobenzene	112		7.733				ND	
88 Ethylbenzene	91		7.836				ND	
90 m-Xylene & p-Xylene	106		7.958				ND	
91 o-Xylene	106		8.377				ND	
92 Styrene	104		8.408				ND	
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105		8.761				ND	
97 1,1,2,2-Tetrachloroethane	83		9.193				ND	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.178				ND	
116 1,2-Dichlorobenzene	146		10.537				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.292				ND	
119 1,2,4-Trichlorobenzene	180		11.973				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

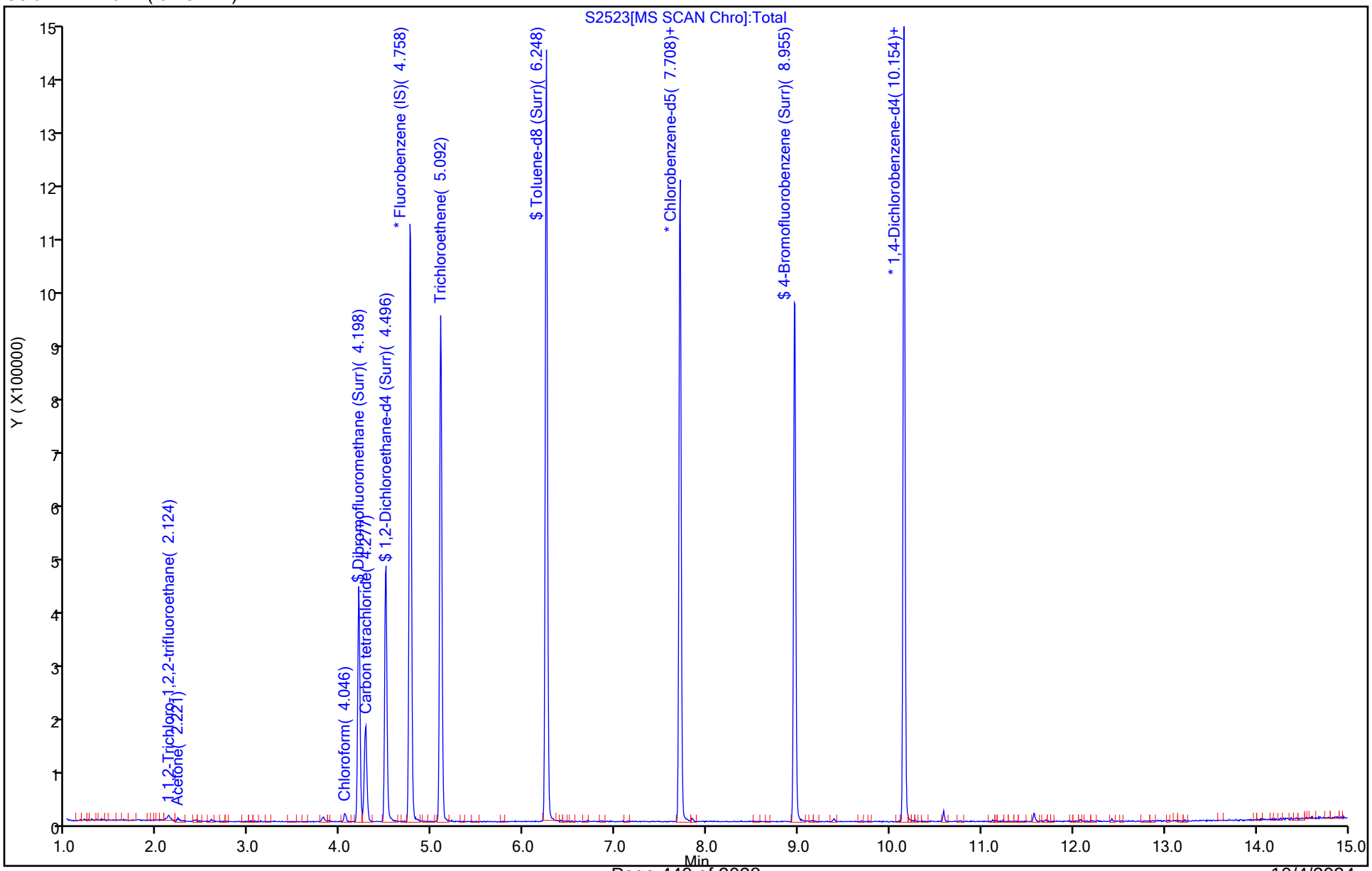
Report Date: 30-Sep-2024 09:15:51 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2523.d

Injection Date:	27-Sep-2024 19:36:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223755-A-5	Lab Sample ID:	480-223755-5	Worklist Smp#:	45
Client ID:	GW-M-25S-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2523.d
Lims ID: 480-223755-A-5
Client ID: GW-M-25S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 19:36:30 ALS Bottle#: 24 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-5
Misc. Info.: 480-0120249-045
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:57 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

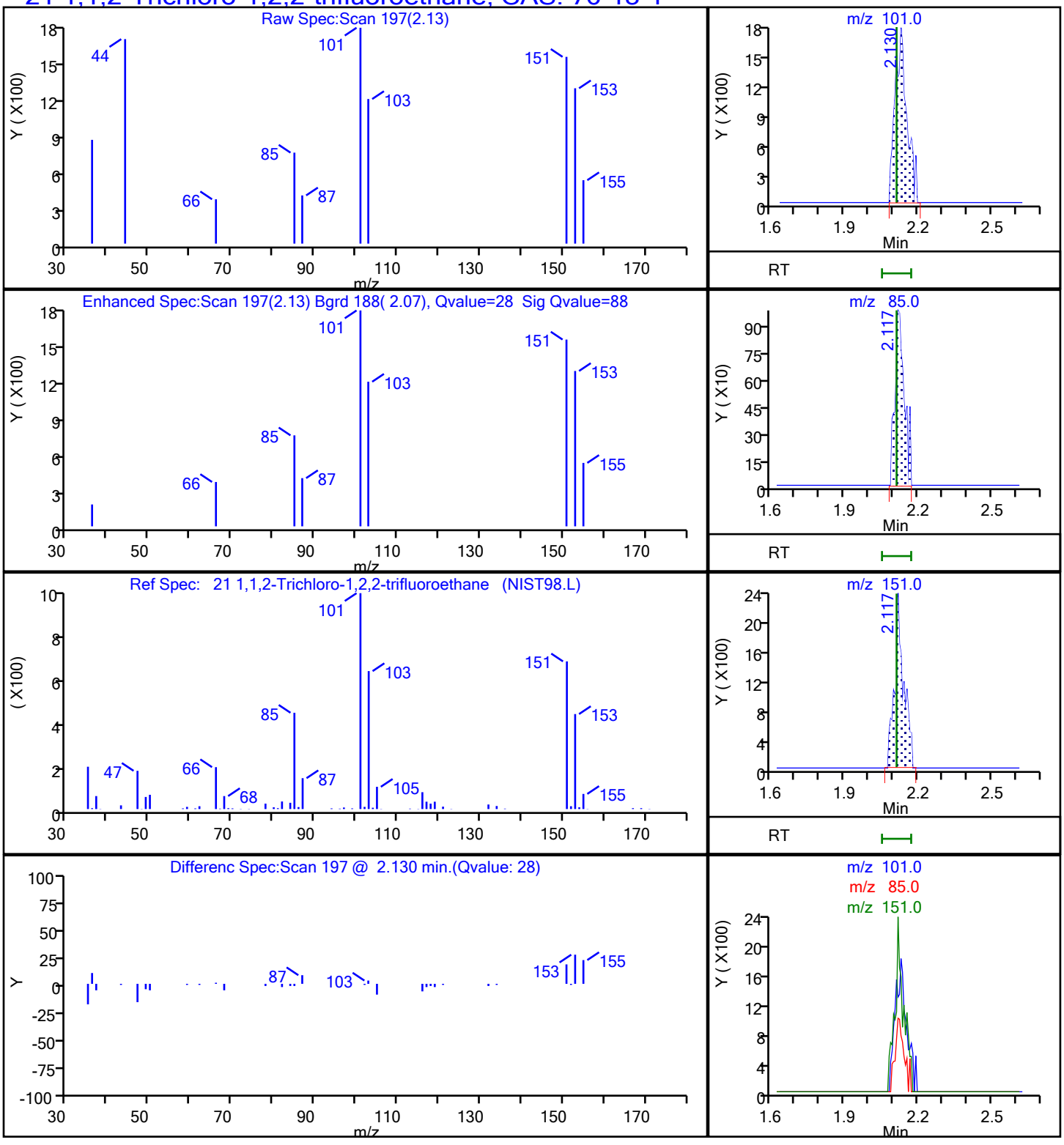
First Level Reviewer: QR3Z Date: 30-Sep-2024 09:15:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.9	103.52
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	27.3	109.20
$ 5 Toluene-d8 (Surr)	25.0	28.2	112.79
$ 6 4-Bromofluorobenzene (Surr)	25.0	25.9	103.69

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2523.d
Injection Date: 27-Sep-2024 19:36:30 Instrument ID: HP5973S
Lims ID: 480-223755-A-5 Lab Sample ID: 480-223755-5
Client ID: GW-M-25S-09252024
Operator ID: ZN ALS Bottle#: 24 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



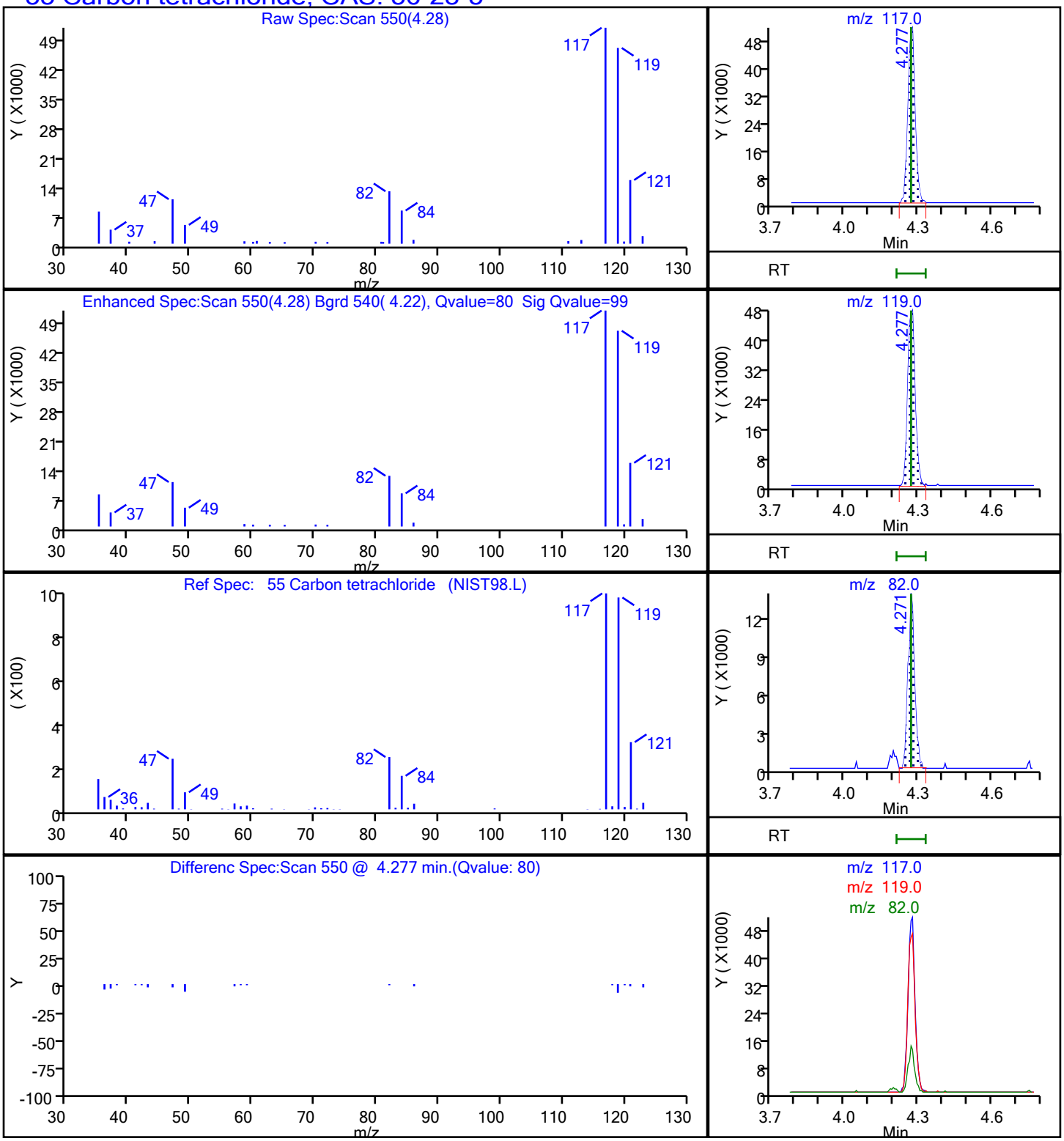
Report Date: 30-Sep-2024 09:15:51 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2523.d

Injection Date:	27-Sep-2024 19:36:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-5	Lab Sample ID:	480-223755-5		
Client ID:	GW-M-25S-09252024				
Operator ID:	ZN	ALS Bottle#:	24	Worklist Smp#:	45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

55 Carbon tetrachloride, CAS: 56-23-5



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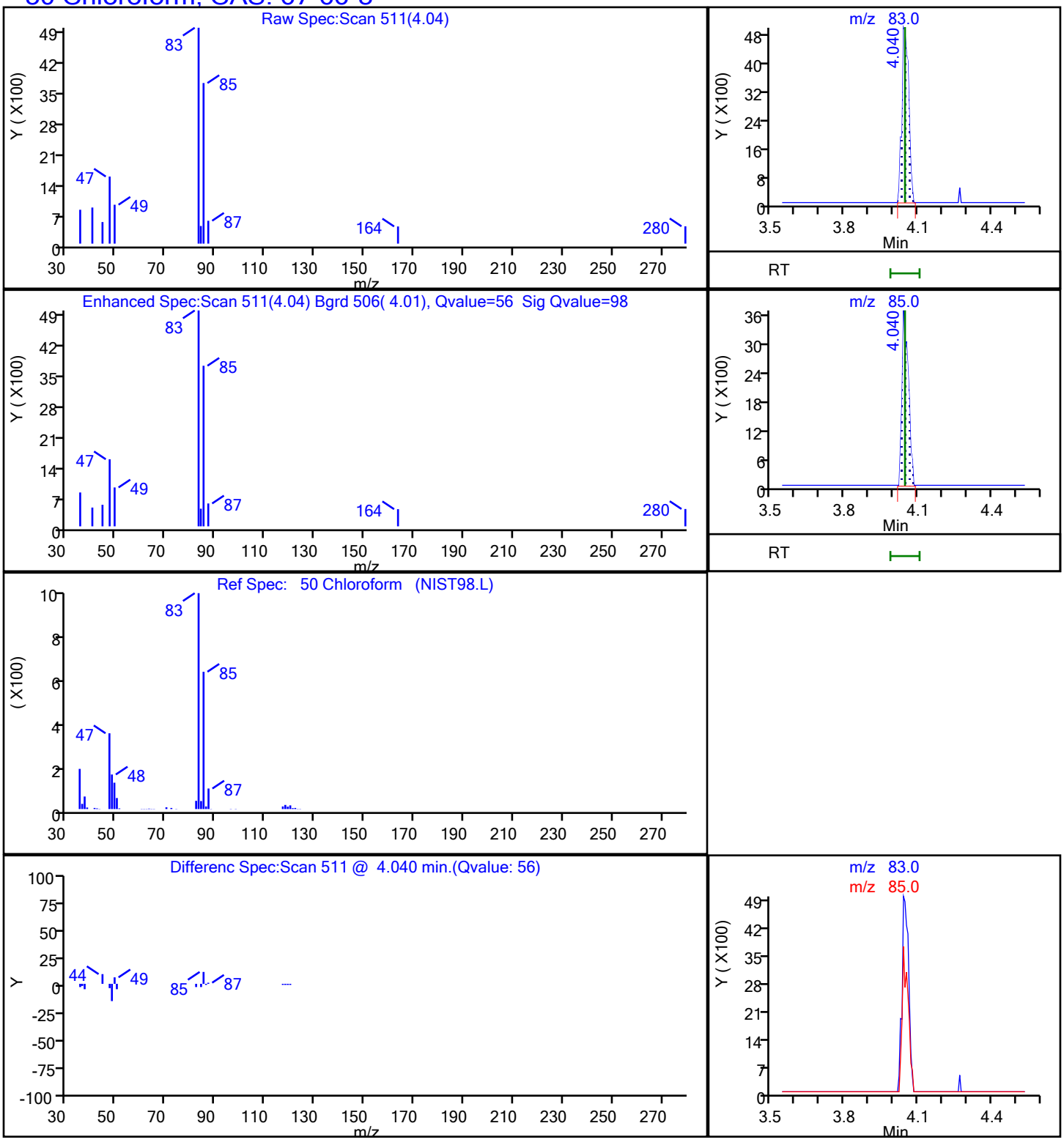
Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2523.d
Injection Date: 27-Sep-2024 19:36:30 Instrument ID: HP5973S
Lims ID: 480-223755-A-5 Lab Sample ID: 480-223755-5
Client ID: GW-M-25S-09252024
Operator ID: ZN ALS Bottle#: 24 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3



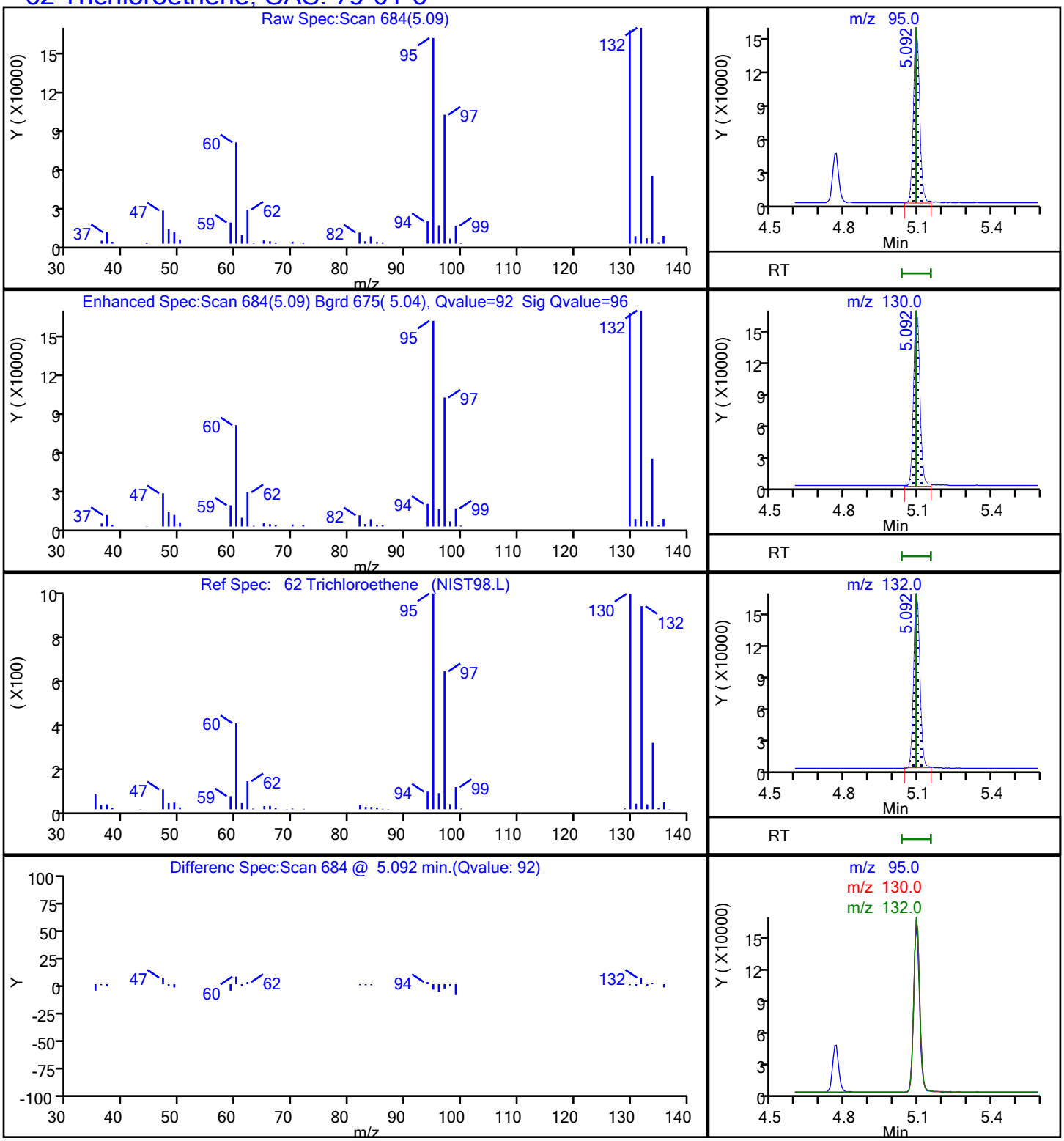
Report Date: 30-Sep-2024 09:15:51 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2523.d

Injection Date:	27-Sep-2024 19:36:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-5	Lab Sample ID:	480-223755-5		
Client ID:	GW-M-25S-09252024				
Operator ID:	ZN	ALS Bottle#:	24	Worklist Smp#:	45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26D-09252024 | Lab Sample ID: 480-223755-6

Matrix: Water | Lab File ID: S2524.d

Analysis Method: 8260C | Date Collected: 09/25/2024 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 20:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.87	J	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.4		1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	8.7		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26D-09252024 | Lab Sample ID: 480-223755-6

Matrix: Water | Lab File ID: S2524.d

Analysis Method: 8260C | Date Collected: 09/25/2024 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 20:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U *-	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	29		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	110		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2524.d
Lims ID: 480-223755-A-6
Client ID: GW-M-26D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 20:00:30 ALS Bottle#: 25 Worklist Smp#: 46
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-6
Misc. Info.: 480-0120249-046
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:14:57 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:16:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	174575	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	86	336574	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	94	360675	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	214678	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	97	142381	25.7	
$ 5 Toluene-d8 (Surr)	98	6.248	6.253	0.000	94	828067	27.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	0.005	94	267964	24.6	
10 Dichlorodifluoromethane	85		0.992				ND	
12 Chloromethane	50		1.120				ND	
13 Vinyl chloride	62		1.193				ND	
14 Bromomethane	94		1.430				ND	
15 Chloroethane	64		1.509				ND	
17 Trichlorofluoromethane	101		1.686				ND	
22 1,1-Dichloroethene	96		2.105				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.124	2.111	0.013	46	14055	2.43	
23 Acetone	43		2.227				ND	
26 Carbon disulfide	76		2.276				ND	
27 Methyl acetate	43		2.501				ND	
30 Methylene Chloride	84		2.580				ND	
32 Methyl tert-butyl ether	73		2.781				ND	
34 trans-1,2-Dichloroethene	96		2.793				ND	
39 1,1-Dichloroethane	63		3.194				ND	
45 cis-1,2-Dichloroethene	96		3.736				ND	
43 2-Butanone (MEK)	43		3.778				ND	
50 Chloroform	83	4.040	4.046	-0.006	42	3414	0.2104	
51 1,1,1-Trichloroethane	97	4.143	4.137	0.006	67	10199	0.8714	
52 Cyclohexane	56		4.137				ND	
55 Carbon tetrachloride	117	4.271	4.271	0.000	81	88078	8.72	
57 Benzene	78		4.484				ND	
58 1,2-Dichloroethane	62		4.557				ND	
62 Trichloroethene	95	5.092	5.092	0.000	93	259129	28.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.196				ND	
65 1,2-Dichloropropane	63		5.330				ND	
68 Dichlorobromomethane	83		5.622				ND	
72 cis-1,3-Dichloropropene	75		6.035				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92		6.309				ND	
77 trans-1,3-Dichloropropene	75		6.601				ND	
79 1,1,2-Trichloroethane	83		6.784				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.027				ND	
83 Chlorodibromomethane	129		7.167				ND	
84 Ethylene Dibromide	107		7.258				ND	
87 Chlorobenzene	112		7.733				ND	
88 Ethylbenzene	91		7.836				ND	
90 m-Xylene & p-Xylene	106		7.958				ND	
91 o-Xylene	106		8.377				ND	
92 Styrene	104		8.408				ND	
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105		8.761				ND	
97 1,1,2,2-Tetrachloroethane	83		9.193				ND	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.178				ND	
116 1,2-Dichlorobenzene	146		10.537				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.292				ND	
119 1,2,4-Trichlorobenzene	180		11.973				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

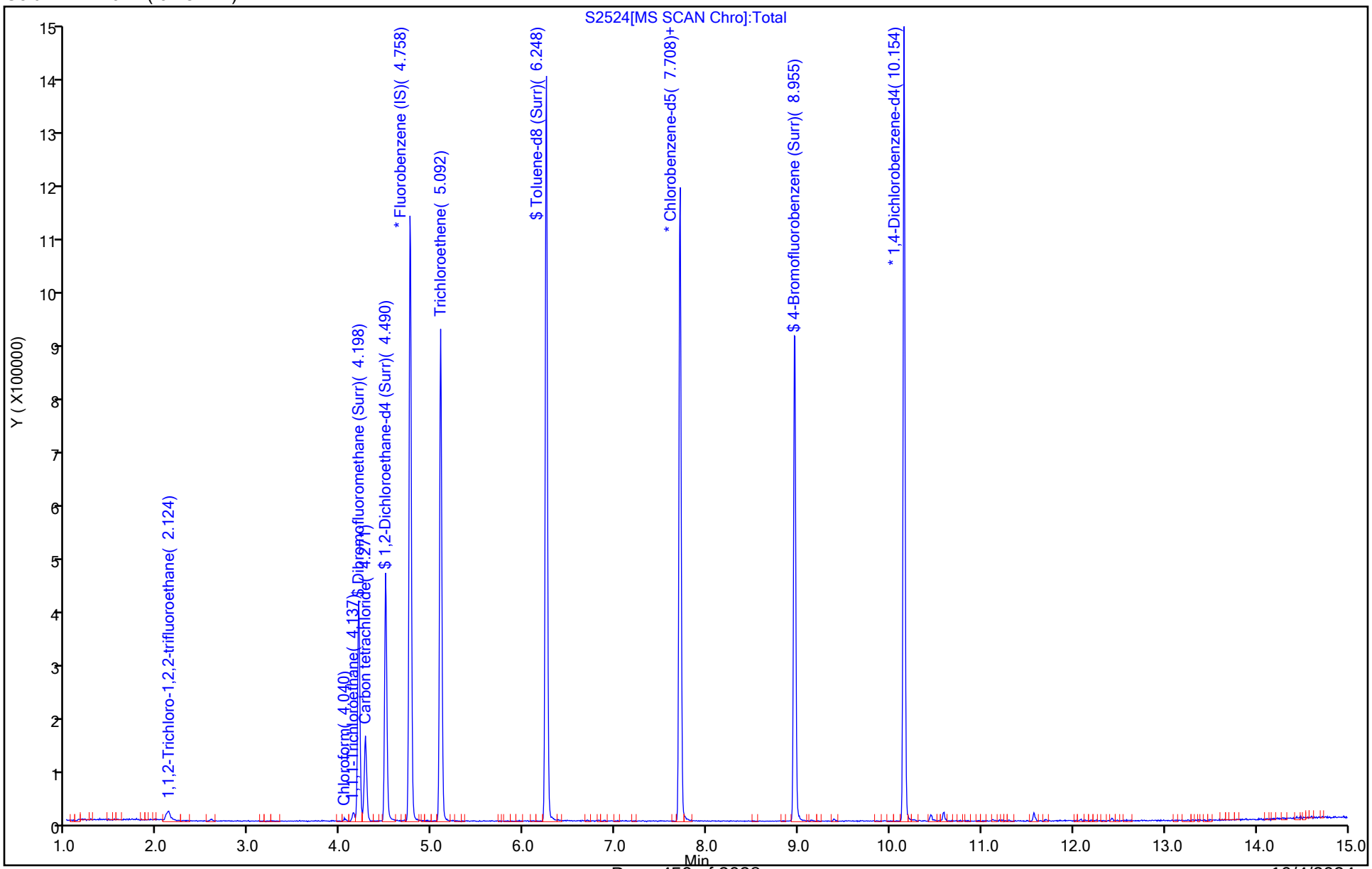
Report Date: 30-Sep-2024 09:16:16 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2524.d

Injection Date:	27-Sep-2024 20:00:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223755-A-6	Lab Sample ID:	480-223755-6	Worklist Smp#:	46
Client ID:	GW-M-26D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2524.d				
Lims ID:	480-223755-A-6				
Client ID:	GW-M-26D-09252024				
Sample Type:	Client				
Inject. Date:	27-Sep-2024 20:00:30	ALS Bottle#:	25	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-223755-A-6				
Misc. Info.:	480-0120249-046				
Operator ID:	ZN	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	30-Sep-2024 09:14:57	Calib Date:	10-Sep-2024 04:33:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1687				

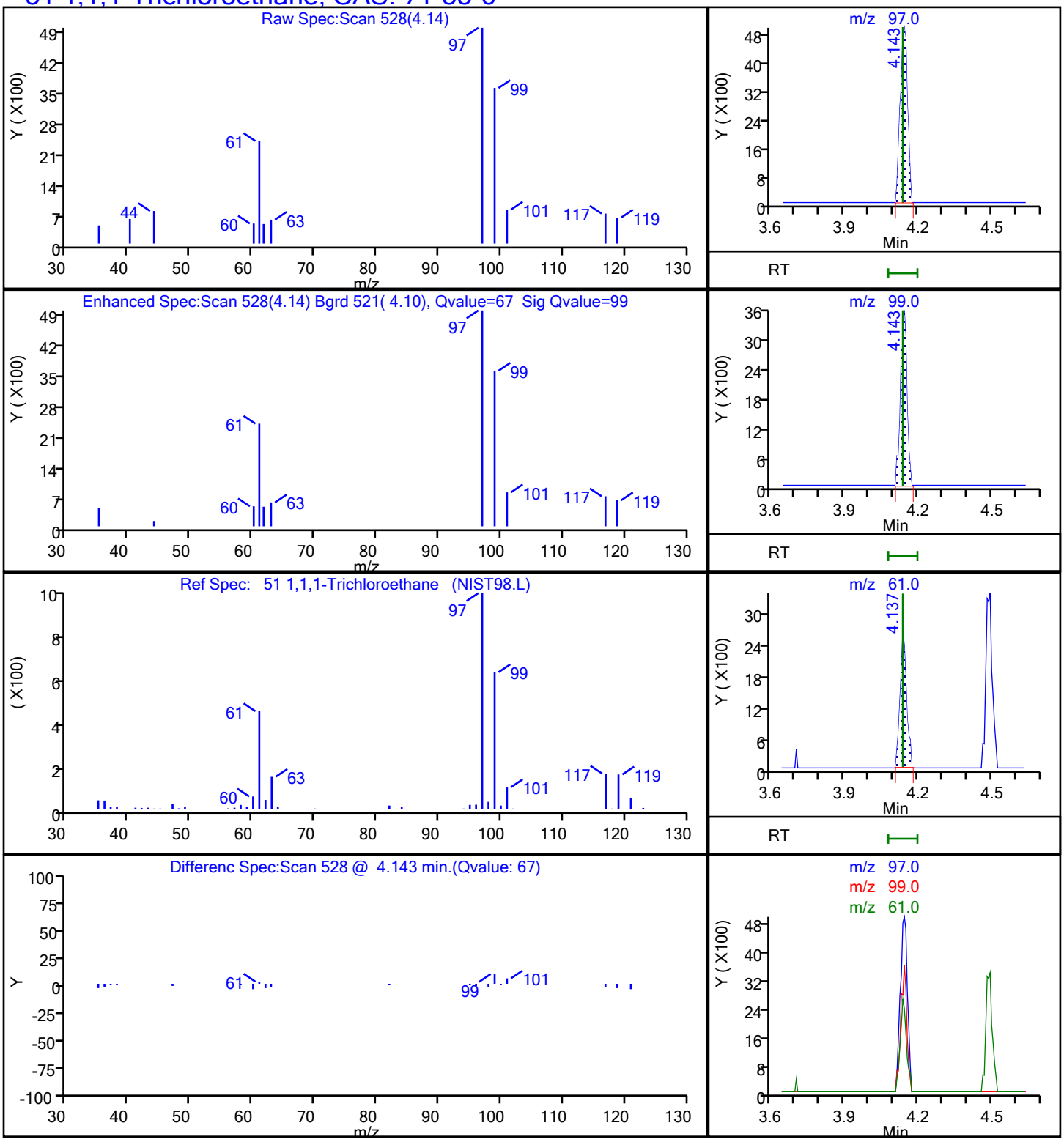
First Level Reviewer: QR3Z Date: 30-Sep-2024 09:16:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.1	96.41
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.60
$ 5 Toluene-d8 (Surr)	25.0	27.6	110.22
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.6	98.57

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2524.d
Injection Date: 27-Sep-2024 20:00:30 Instrument ID: HP5973S
Lims ID: 480-223755-A-6 Lab Sample ID: 480-223755-6
Client ID: GW-M-26D-09252024
Operator ID: ZN ALS Bottle#: 25 Worklist Smp#: 46
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

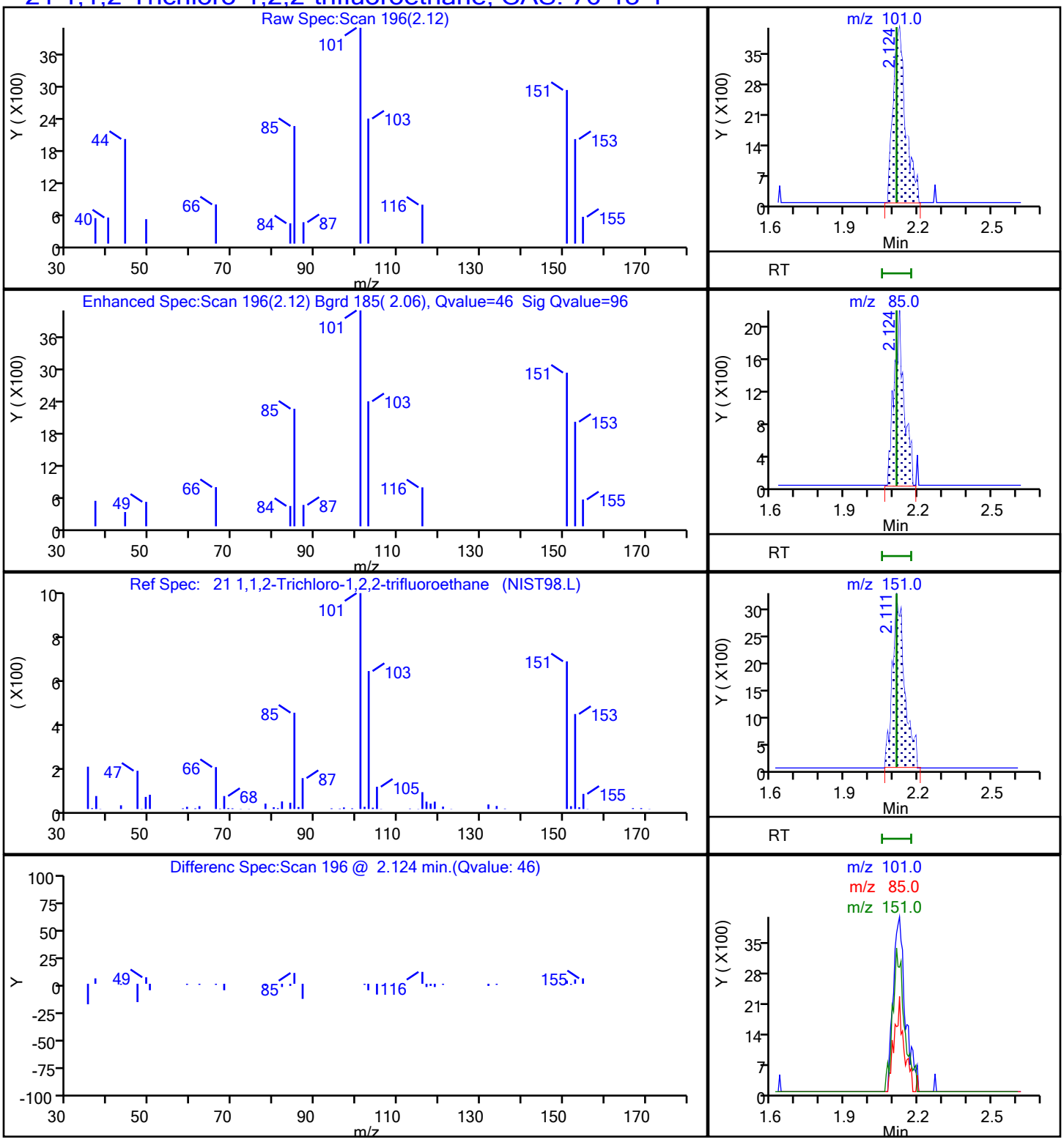
51 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2524.d
Injection Date: 27-Sep-2024 20:00:30 Instrument ID: HP5973S
Lims ID: 480-223755-A-6 Lab Sample ID: 480-223755-6
Client ID: GW-M-26D-09252024
Operator ID: ZN ALS Bottle#: 25 Worklist Smp#: 46
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



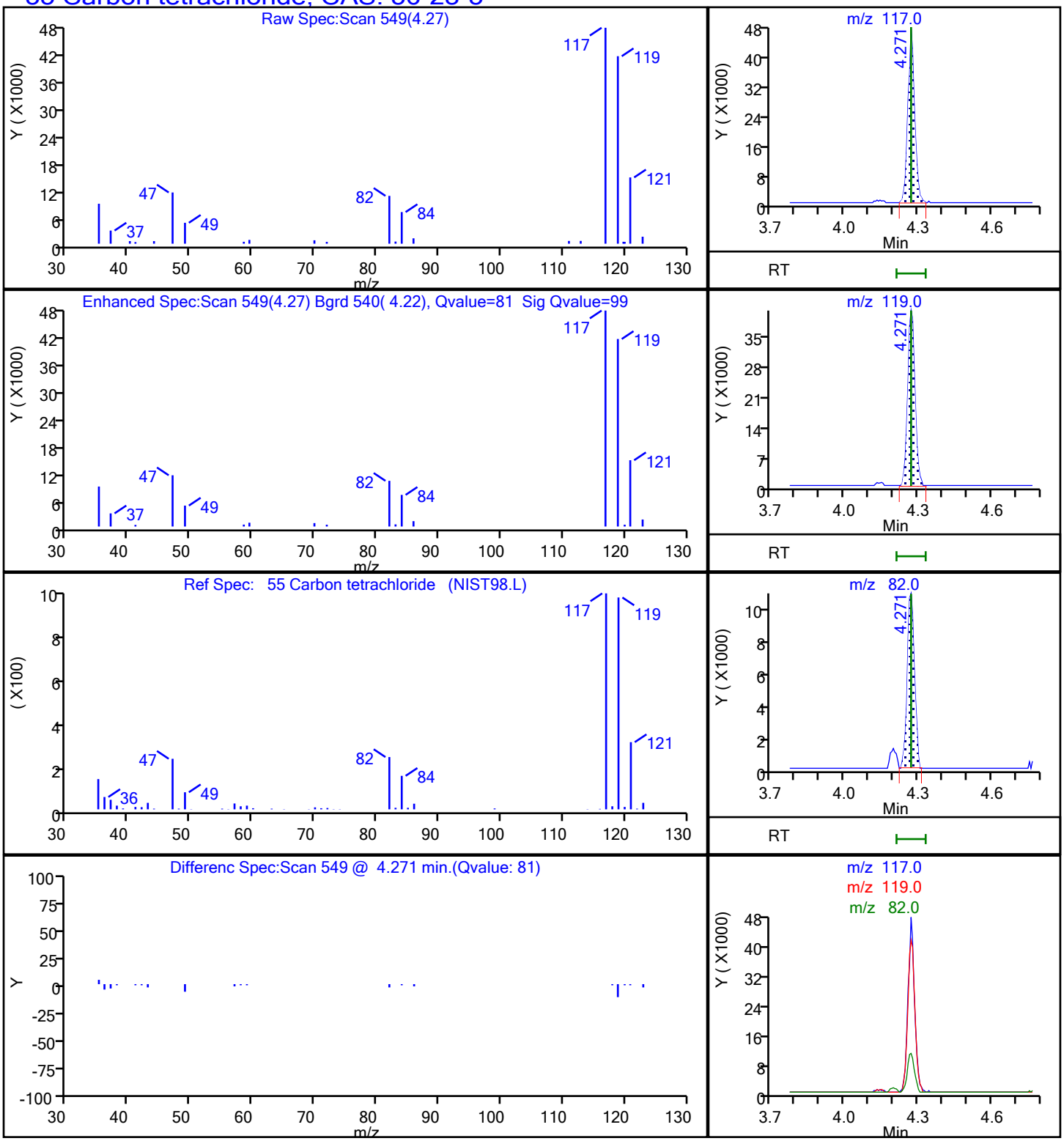
Report Date: 30-Sep-2024 09:16:16 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2524.d

Injection Date:	27-Sep-2024 20:00:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-6	Lab Sample ID:	480-223755-6		
Client ID:	GW-M-26D-09252024				
Operator ID:	ZN	ALS Bottle#:	25	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

55 Carbon tetrachloride, CAS: 56-23-5



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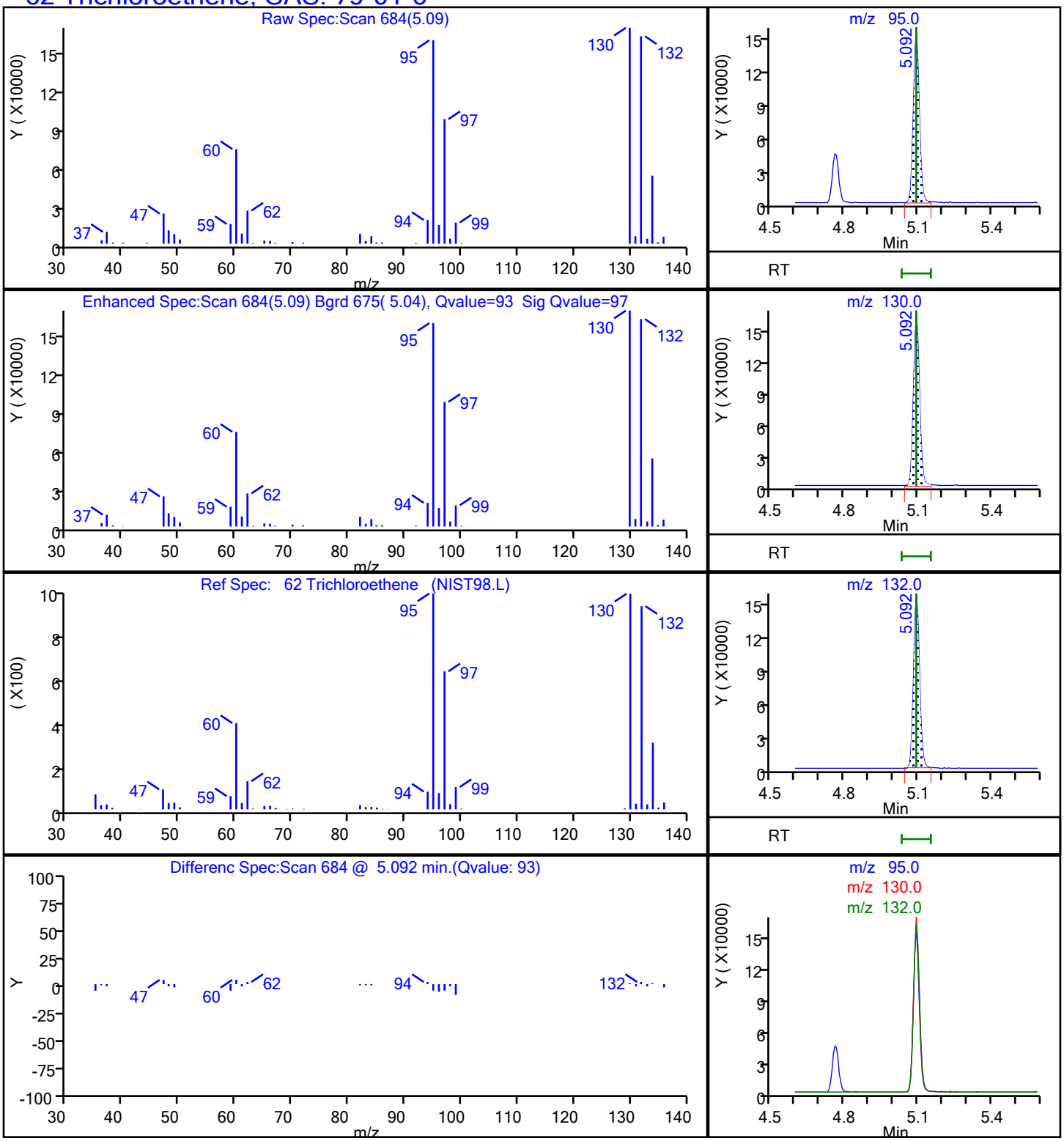
Report Date: 30-Sep-2024 09:16:16 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2524.d

Injection Date:	27-Sep-2024 20:00:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-6	Lab Sample ID:	480-223755-6		
Client ID:	GW-M-26D-09252024				
Operator ID:	ZN	ALS Bottle#:	25	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-28D-09252024 | Lab Sample ID: 480-223755-7

Matrix: Water | Lab File ID: S2525.d

Analysis Method: 8260C | Date Collected: 09/25/2024 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 20:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.77	J	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	2.5		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-28D-09252024 | Lab Sample ID: 480-223755-7

Matrix: Water | Lab File ID: S2525.d

Analysis Method: 8260C | Date Collected: 09/25/2024 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 20:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U *-	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.5		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2525.d
Lims ID: 480-223755-A-7
Client ID: GW-M-28D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 20:23:30 ALS Bottle#: 26 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-7
Misc. Info.: 480-0120249-047
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:17:04 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 30-Sep-2024 09:17:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	177015	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	85	350603	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	94	370451	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	56	213412	23.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	98	143078	25.4	
$ 5 Toluene-d8 (Surr)	98	6.248	6.253	0.000	93	805769	25.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.962	0.006	93	266560	23.5	
10 Dichlorodifluoromethane	85		0.992				ND	
12 Chloromethane	50		1.120				ND	
13 Vinyl chloride	62		1.193				ND	
14 Bromomethane	94		1.430				ND	
15 Chloroethane	64		1.509				ND	
17 Trichlorofluoromethane	101		1.686				ND	
22 1,1-Dichloroethene	96		2.105				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.111	0.000	9	2916	0.7701	Ma
23 Acetone	43		2.227				ND	
26 Carbon disulfide	76		2.276				ND	
27 Methyl acetate	43		2.501				ND	
30 Methylene Chloride	84		2.580				ND	
32 Methyl tert-butyl ether	73		2.781				ND	
34 trans-1,2-Dichloroethene	96		2.793				ND	
39 1,1-Dichloroethane	63		3.194				ND	
45 cis-1,2-Dichloroethene	96		3.736				ND	
43 2-Butanone (MEK)	43		3.778				ND	
50 Chloroform	83	4.052	4.046	0.006	1	1925	0.1170	
51 1,1,1-Trichloroethane	97	4.131	4.137	-0.006	29	4961	0.4180	
52 Cyclohexane	56		4.137				ND	
55 Carbon tetrachloride	117	4.271	4.271	0.000	71	23876	2.46	
57 Benzene	78		4.484				ND	
58 1,2-Dichloroethane	62		4.557				ND	
62 Trichloroethene	95	5.092	5.092	0.000	76	13592	1.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.196				ND	
65 1,2-Dichloropropane	63		5.330				ND	
68 Dichlorobromomethane	83		5.622				ND	
72 cis-1,3-Dichloropropene	75		6.035				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92		6.309				ND	
77 trans-1,3-Dichloropropene	75		6.601				ND	
79 1,1,2-Trichloroethane	83		6.784				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.027				ND	
83 Chlorodibromomethane	129		7.167				ND	
84 Ethylene Dibromide	107		7.258				ND	
87 Chlorobenzene	112		7.733				ND	
88 Ethylbenzene	91		7.836				ND	
90 m-Xylene & p-Xylene	106		7.958				ND	
91 o-Xylene	106		8.377				ND	
92 Styrene	104		8.408				ND	
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105		8.761				ND	
97 1,1,2,2-Tetrachloroethane	83		9.193				ND	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.178				ND	
116 1,2-Dichlorobenzene	146		10.537				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.292				ND	
119 1,2,4-Trichlorobenzene	180		11.973				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

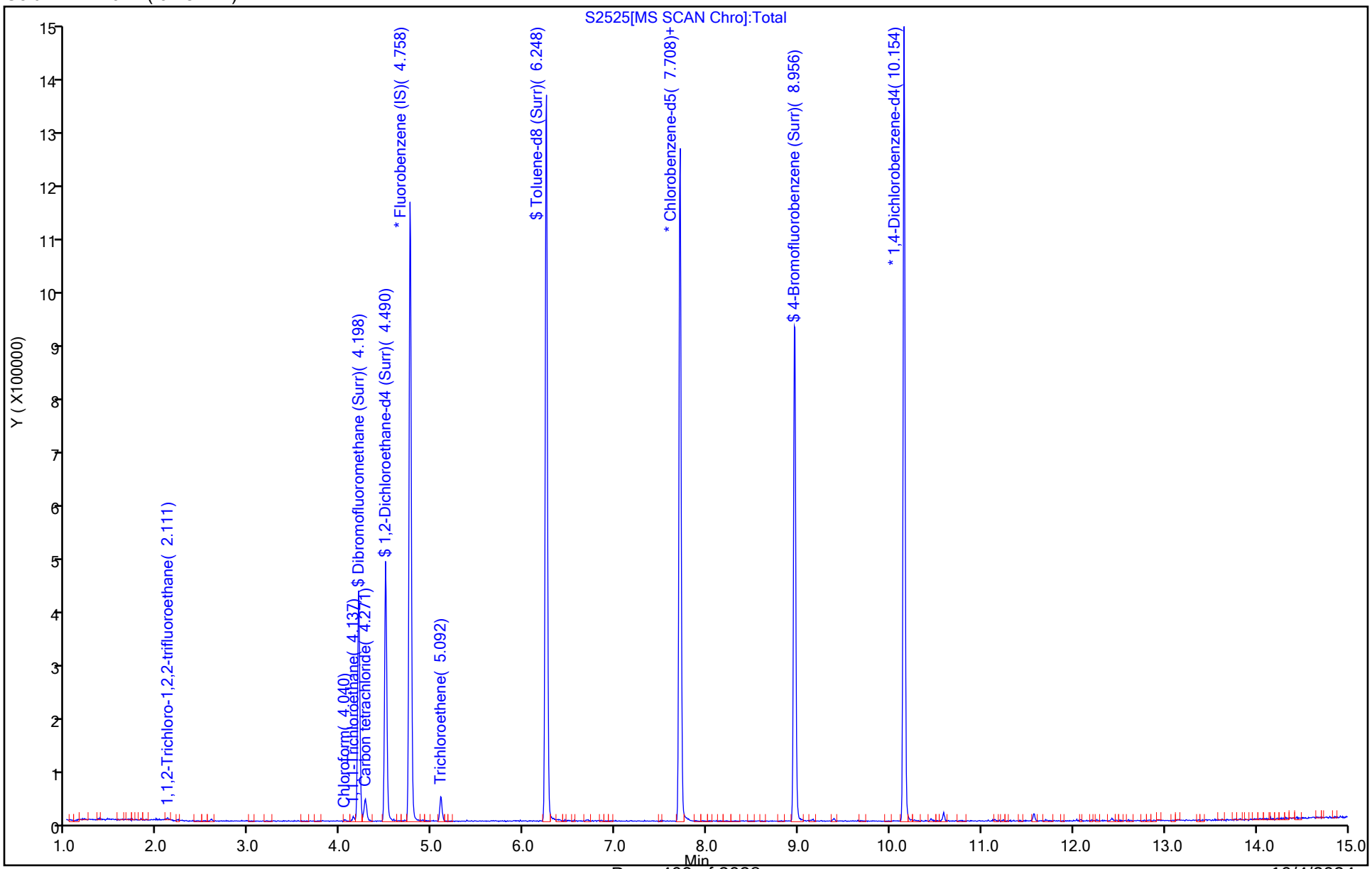
Report Date: 30-Sep-2024 09:17:04 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2525.d

Injection Date:	27-Sep-2024 20:23:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223755-A-7	Lab Sample ID:	480-223755-7	Worklist Smp#:	47
Client ID:	GW-M-28D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2525.d
Lims ID: 480-223755-A-7
Client ID: GW-M-28D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 20:23:30 ALS Bottle#: 26 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-7
Misc. Info.: 480-0120249-047
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:17:04 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

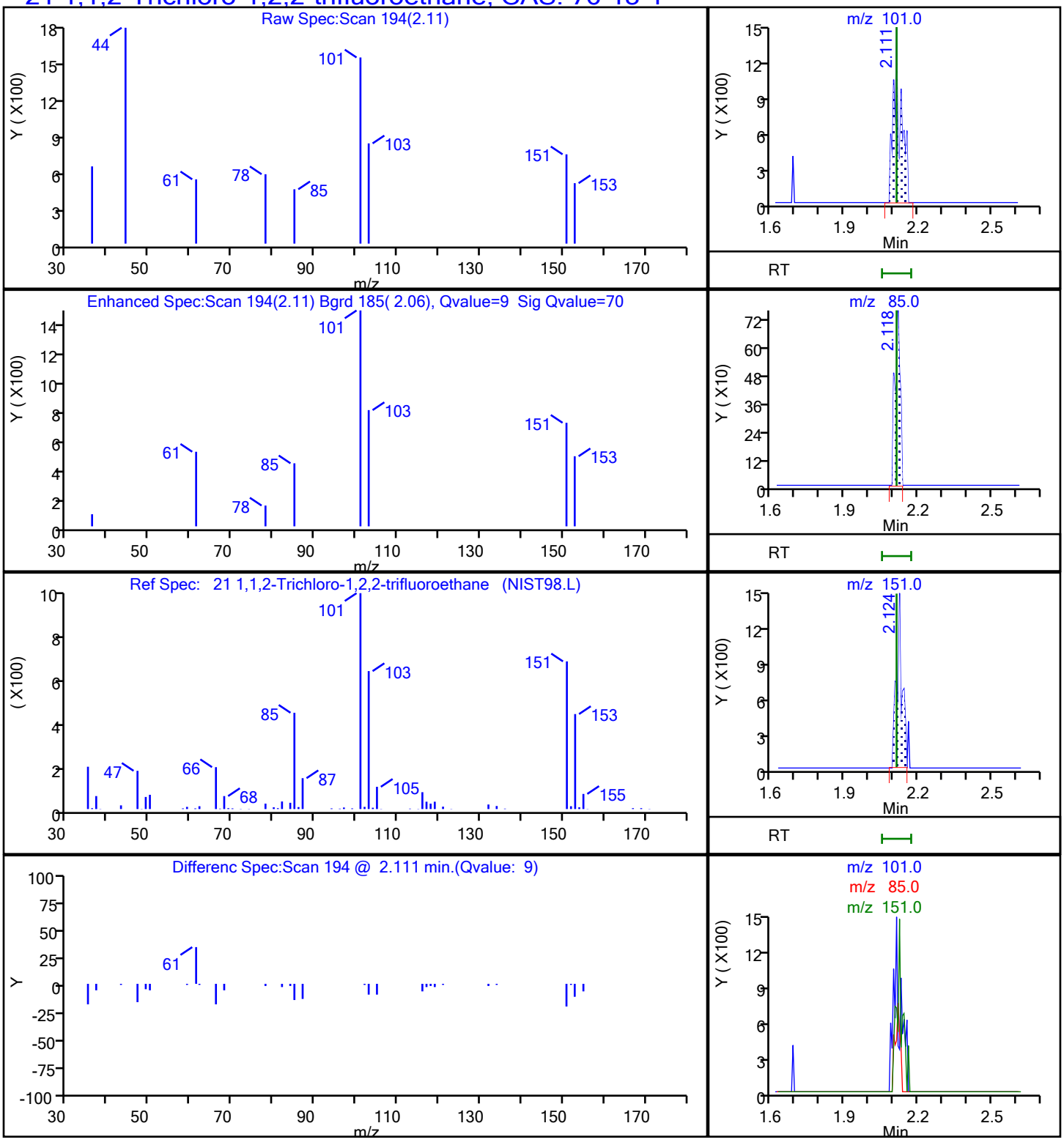
First Level Reviewer: QR3Z Date: 30-Sep-2024 09:17:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	23.6	94.52
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.68
$ 5 Toluene-d8 (Surr)	25.0	25.7	102.96
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.5	94.13

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2525.d
Injection Date: 27-Sep-2024 20:23:30 Instrument ID: HP5973S
Lims ID: 480-223755-A-7 Lab Sample ID: 480-223755-7
Client ID: GW-M-28D-09252024
Operator ID: ZN ALS Bottle#: 26 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

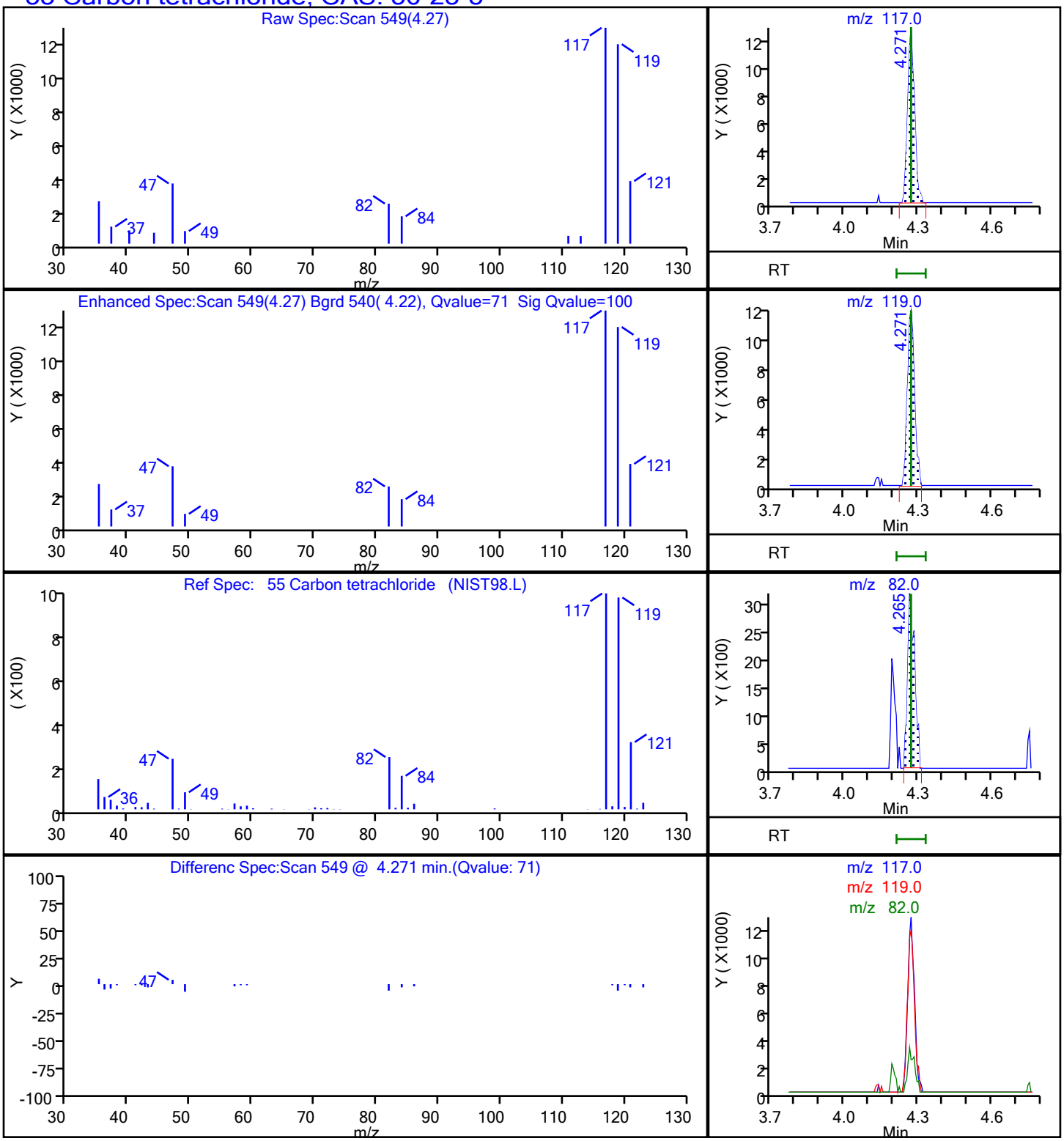
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2525.d
Injection Date: 27-Sep-2024 20:23:30 Instrument ID: HP5973S
Lims ID: 480-223755-A-7 Lab Sample ID: 480-223755-7
Client ID: GW-M-28D-09252024
Operator ID: ZN ALS Bottle#: 26 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5



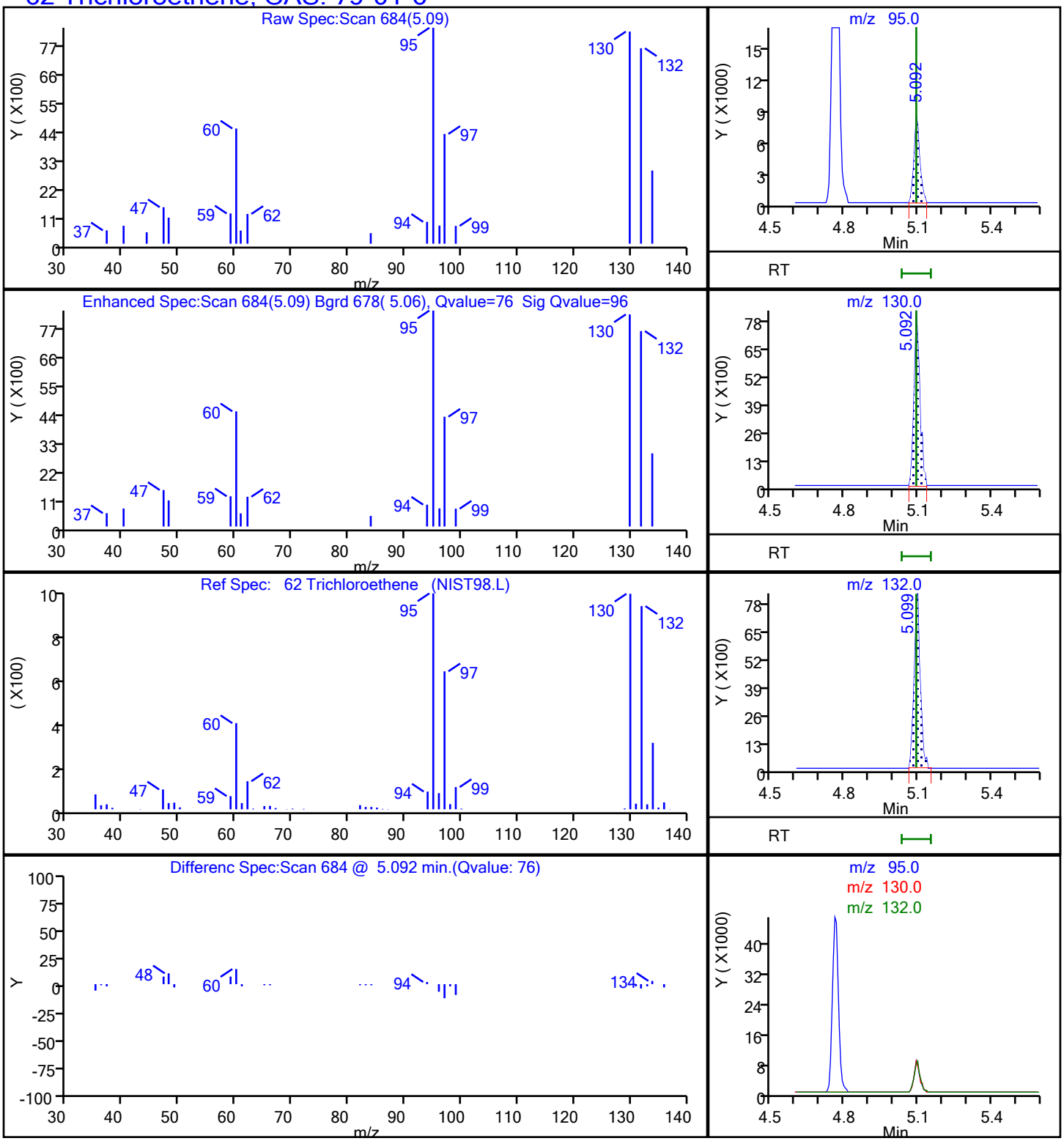
Report Date: 30-Sep-2024 09:17:05 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2525.d

Injection Date:	27-Sep-2024 20:23:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-7	Lab Sample ID:	480-223755-7		
Client ID:	GW-M-28D-09252024				
Operator ID:	ZN	ALS Bottle#:	26	Worklist Smp#:	47
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



10/4/2024
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Eurofins Buffalo

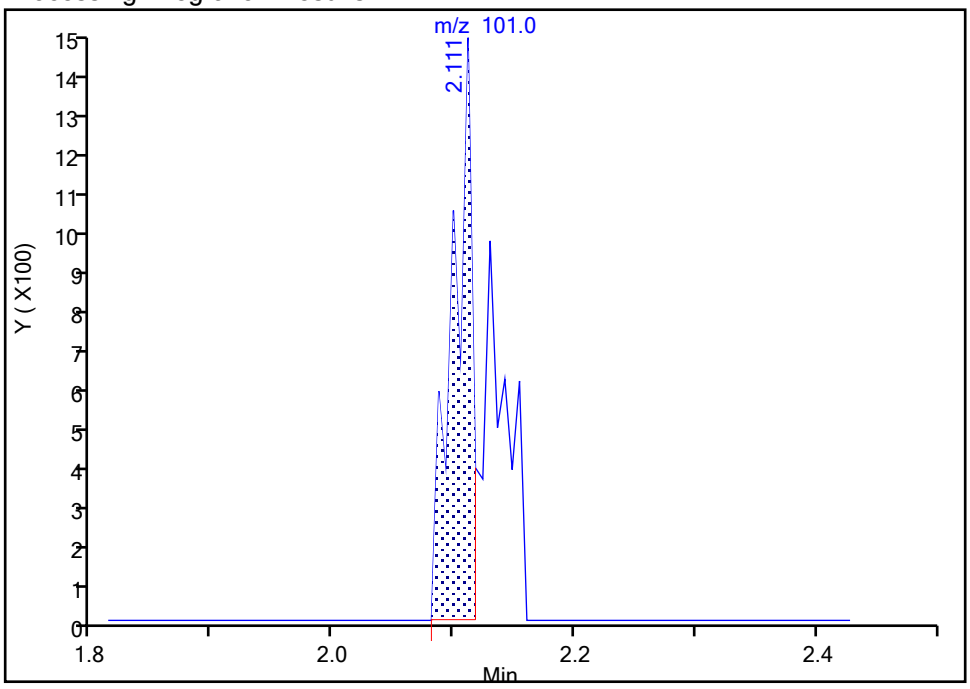
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2525.d				
Injection Date:	27-Sep-2024 20:23:30	Instrument ID:	HP5973S		
Lims ID:	480-223755-A-7	Lab Sample ID:	480-223755-7		
Client ID:	GW-M-28D-09252024				
Operator ID:	ZN	ALS Bottle#:	26	Worklist Smp#:	47
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

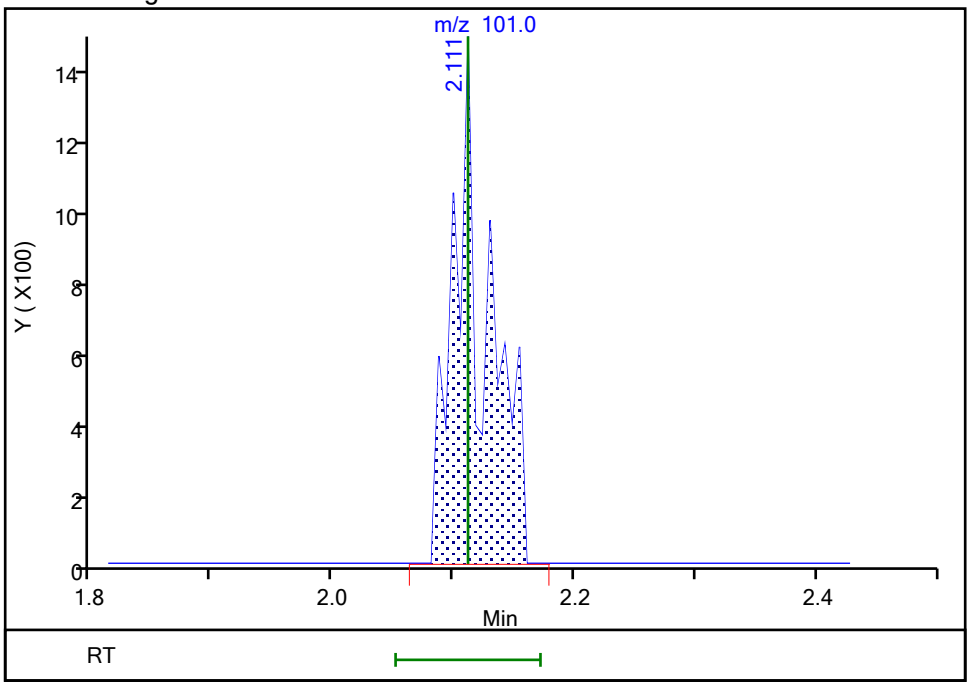
Processing Integration Results

RT: 2.11
Area: 1655
Amount: 0.585532
Amount Units: ug/L



Manual Integration Results

RT: 2.11
Area: 2916
Amount: 0.770097
Amount Units: ug/L



Reviewer: QR3Z, 30-Sep-2024 09:16:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-29S-09252024 | Lab Sample ID: 480-223755-8

Matrix: Water | Lab File ID: D7062.d

Analysis Method: 8260C | Date Collected: 09/25/2024 12:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 19:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	0.85	J	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-29S-09252024 | Lab Sample ID: 480-223755-8

Matrix: Water | Lab File ID: D7062.d

Analysis Method: 8260C | Date Collected: 09/25/2024 12:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 19:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.6		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7062.d
Lims ID: 480-223755-A-8
Client ID: GW-M-29S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 19:50:30 ALS Bottle#: 54 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-8
Misc. Info.: 480-0120250-026
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 08:27:53 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: HF3K Date: 30-Sep-2024 08:27:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.742	0.006	98	171207	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.096	0.006	87	355908	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	394783	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.266	0.006	92	282161	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.517	0.006	99	160410	25.7	
$ 5 Toluene-d8 (Surr)	98	5.955	5.954	0.006	94	835405	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.059	8.059	0.006	94	289336	24.3	
10 Dichlorodifluoromethane	85		1.121				ND	
12 Chloromethane	50		1.280				ND	
13 Vinyl chloride	62		1.353				ND	
14 Bromomethane	94		1.633				ND	U
15 Chloroethane	64		1.694				ND	
17 Trichlorofluoromethane	101		1.908				ND	
22 1,1-Dichloroethene	96		2.353				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.359				ND	
23 Acetone	43		2.456				ND	
26 Carbon disulfide	76		2.535				ND	7
27 Methyl acetate	43		2.731				ND	
30 Methylene Chloride	84	2.828	2.828	0.012	92	1220	-0.7196	7a
32 Methyl tert-butyl ether	73		3.011				ND	
34 trans-1,2-Dichloroethene	96		3.023				ND	
39 1,1-Dichloroethane	63		3.389				ND	
45 cis-1,2-Dichloroethene	96		3.871				ND	
43 2-Butanone (MEK)	43		3.895				ND	
50 Chloroform	83		4.133				ND	
51 1,1,1-Trichloroethane	97		4.230				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117	4.352	4.346	0.006	97	10117	0.8530	
57 Benzene	78		4.523				ND	
58 1,2-Dichloroethane	62		4.578				ND	
62 Trichloroethene	95	5.029	5.023	0.006	95	13598	1.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.120				ND	
65 1,2-Dichloropropane	63		5.212				ND	
68 Dichlorobromomethane	83		5.443				ND	
72 cis-1,3-Dichloropropene	75		5.773				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		5.998				ND	
77 trans-1,3-Dichloropropene	75		6.212				ND	
79 1,1,2-Trichloroethane	83		6.358				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.529				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.754				ND	
87 Chlorobenzene	112		7.120				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.278				ND	
91 o-Xylene	106		7.608				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.022				ND	
116 1,2-Dichlorobenzene	146		9.339				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.016				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

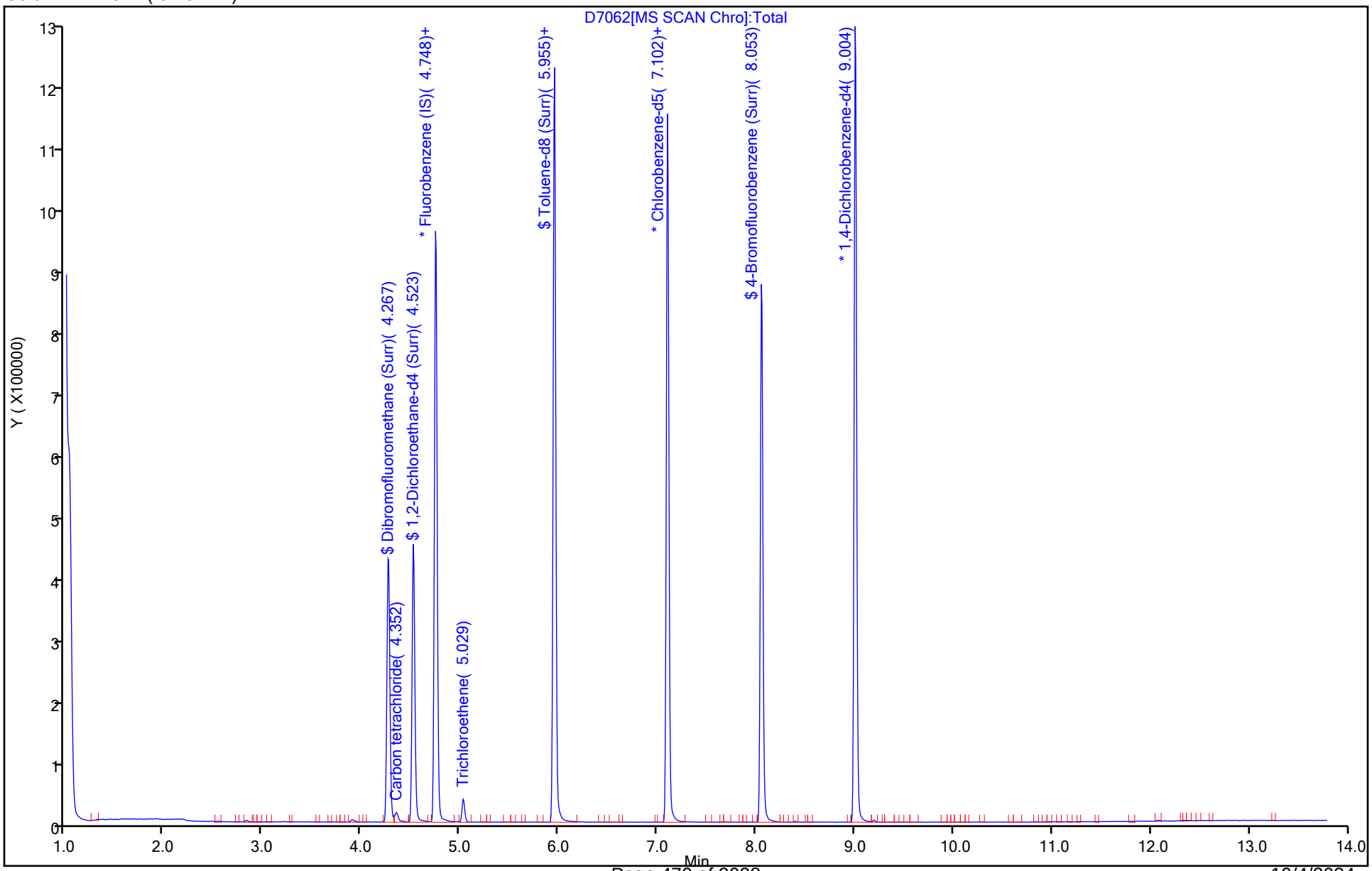
Report Date: 30-Sep-2024 08:27:54 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7062.d

Injection Date:	27-Sep-2024 19:50:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223755-A-8	Lab Sample ID:	480-223755-8	Worklist Smp#:	26
Client ID:	GW-M-29S-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	54
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7062.d
Lims ID: 480-223755-A-8
Client ID: GW-M-29S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 19:50:30 ALS Bottle#: 54 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-8
Misc. Info.: 480-0120250-026
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 08:27:53 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

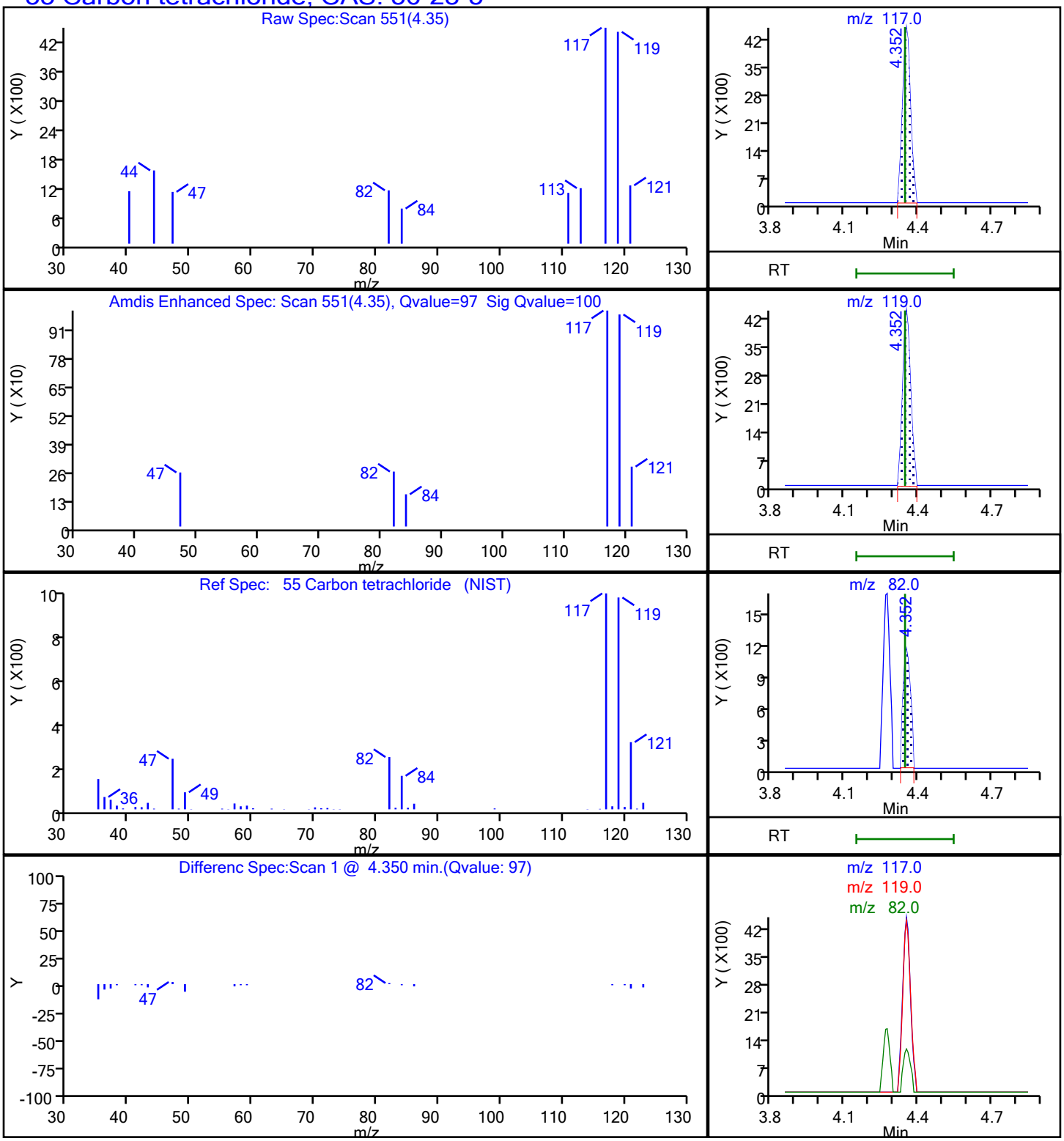
First Level Reviewer: HF3K Date: 30-Sep-2024 08:27:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.6	102.53
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.78
$ 5 Toluene-d8 (Surr)	25.0	24.3	97.29
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.3	97.00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7062.d
Injection Date: 27-Sep-2024 19:50:30 Instrument ID: HP5975D
Lims ID: 480-223755-A-8 Lab Sample ID: 480-223755-8
Client ID: GW-M-29S-09252024
Operator ID: LH ALS Bottle#: 54 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5



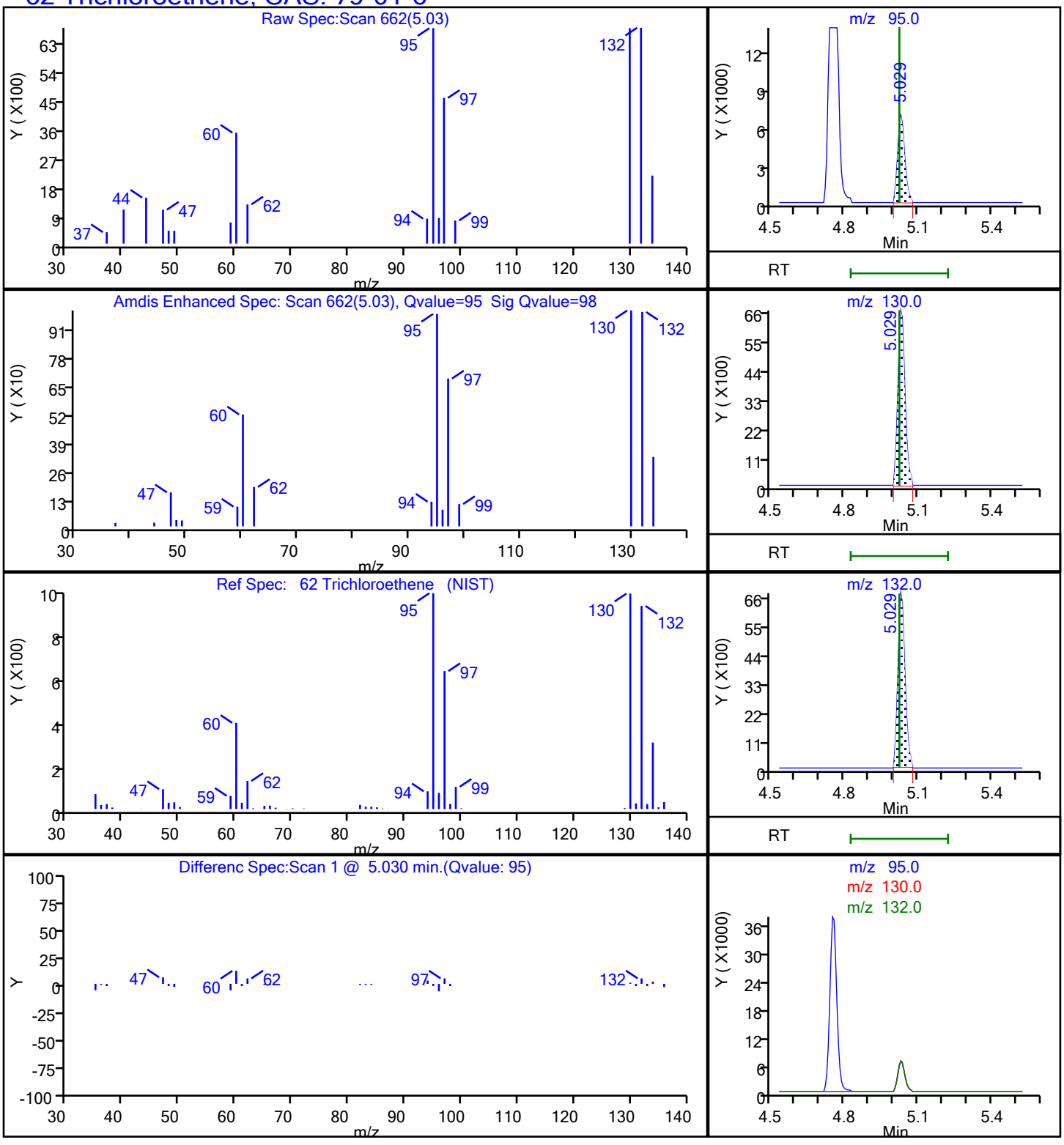
Report Date: 30-Sep-2024 08:27:54 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7062.d

Injection Date:	27-Sep-2024 19:50:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-8	Lab Sample ID:	480-223755-8		
Client ID:	GW-M-29S-09252024				
Operator ID:	LH	ALS Bottle#:	54	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



10/4/2024
12:15:34 PM

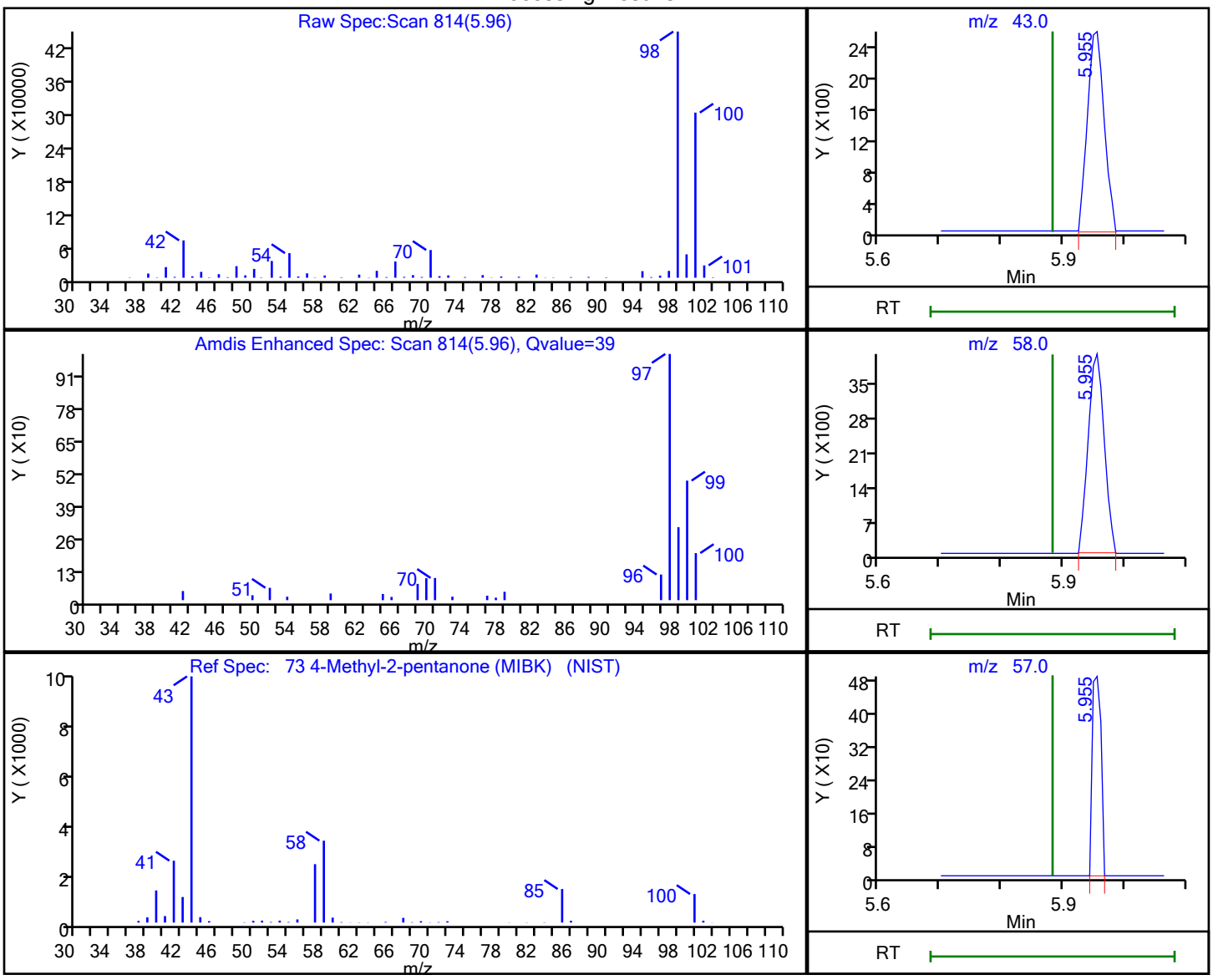
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7062.d				
Injection Date:	27-Sep-2024 19:50:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-8	Lab Sample ID:	480-223755-8		
Client ID:	GW-M-29S-09252024				
Operator ID:	LH	ALS Bottle#:	54	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.96	43.00	4807	0.386032
5.96	58.00	7356	
5.96	57.00	490	

Reviewer: HF3K, 30-Sep-2024 08:27:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

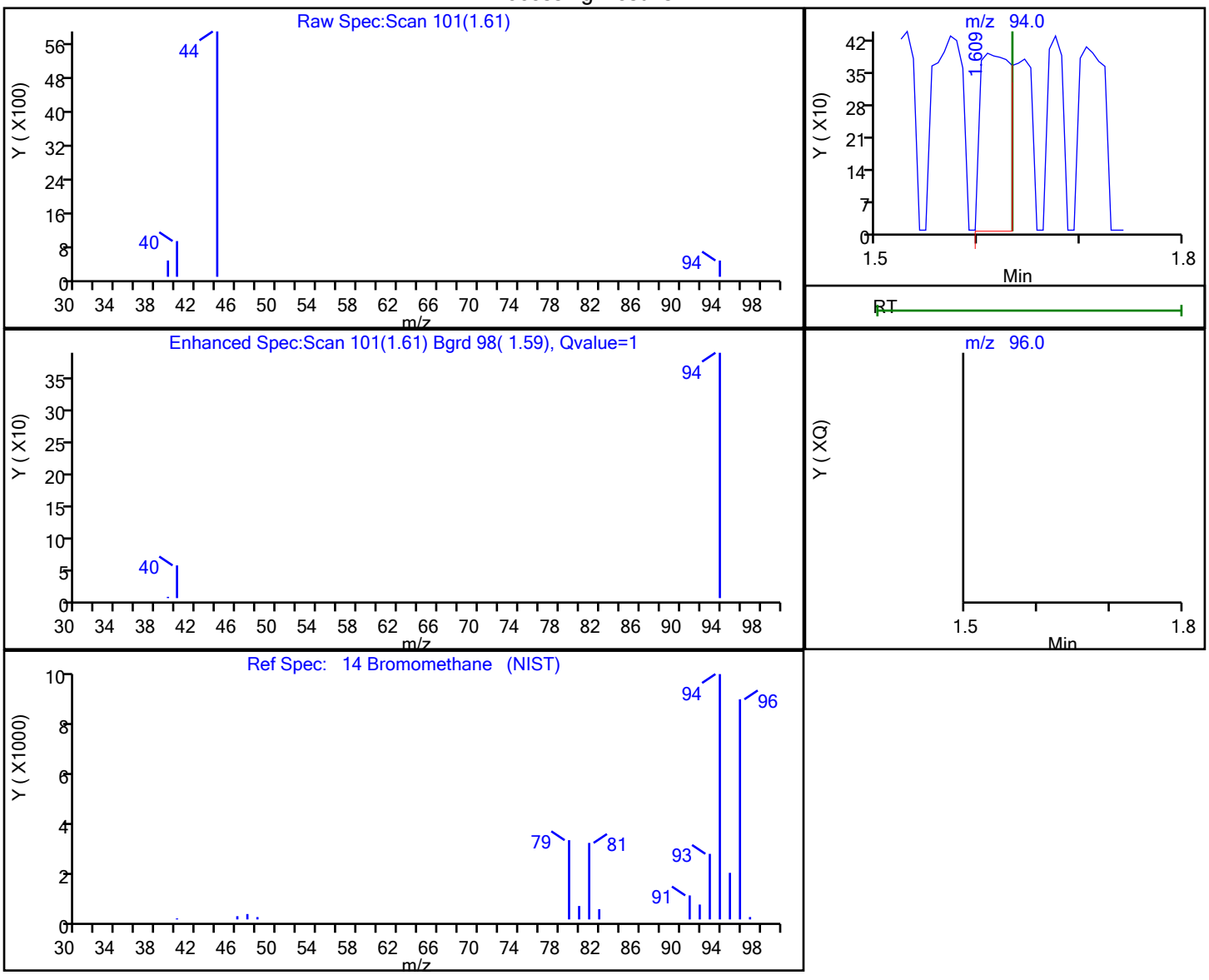
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7062.d				
Injection Date:	27-Sep-2024 19:50:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-8	Lab Sample ID:	480-223755-8		
Client ID:	GW-M-29S-09252024				
Operator ID:	LH	ALS Bottle#:	54	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.61	94.00	829	0.116300
1.63	96.00	0	

Reviewer: HF3K, 30-Sep-2024 08:26:38 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

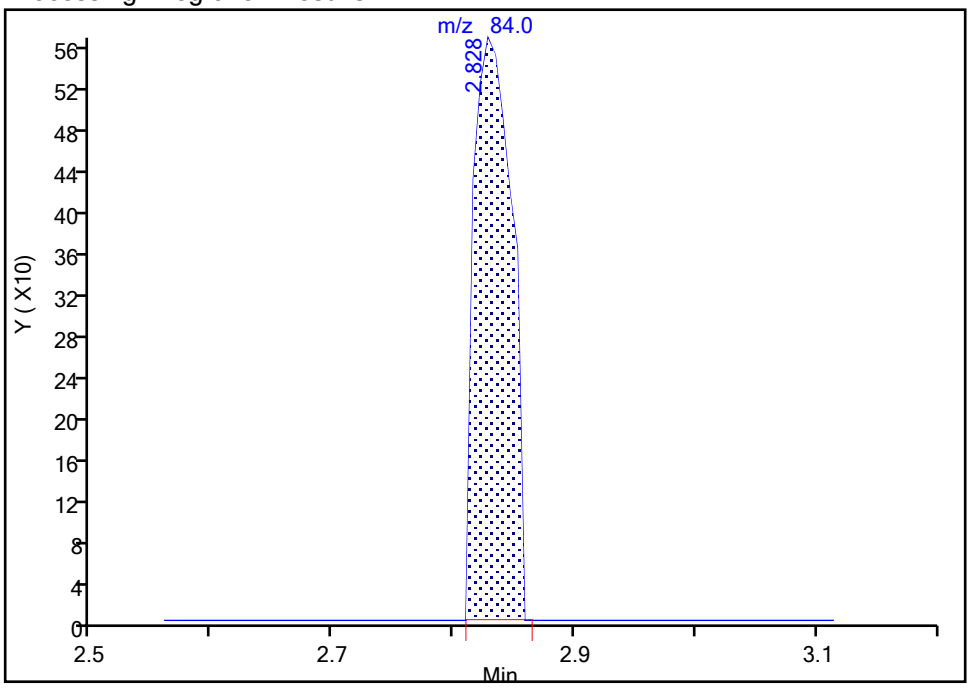
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7062.d				
Injection Date:	27-Sep-2024 19:50:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-8	Lab Sample ID:	480-223755-8		
Client ID:	GW-M-29S-09252024				
Operator ID:	LH	ALS Bottle#:	54	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

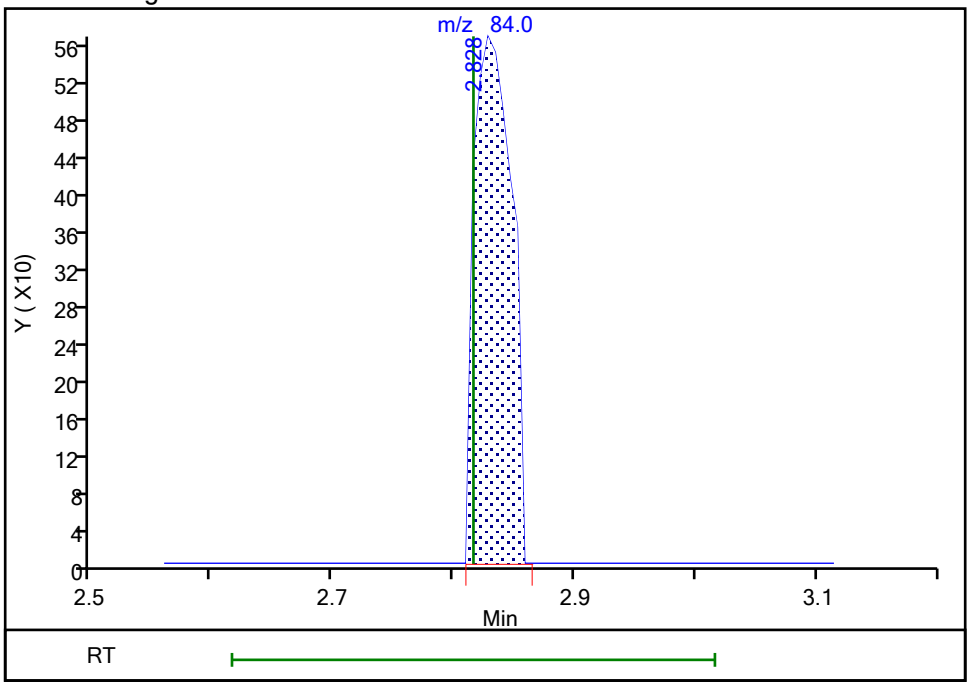
Processing Integration Results

RT: 2.83
Area: 1220
Amount: -0.719609
Amount Units: ug/L



Manual Integration Results

RT: 2.83
Area: 1220
Amount: -0.719609
Amount Units: ug/L



Reviewer: HF3K, 30-Sep-2024 08:26:51 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-28S-09252024 | Lab Sample ID: 480-223755-9

Matrix: Water | Lab File ID: D7063.d

Analysis Method: 8260C | Date Collected: 09/25/2024 13:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 20:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6		1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	3.7		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-28S-09252024 | Lab Sample ID: 480-223755-9

Matrix: Water | Lab File ID: D7063.d

Analysis Method: 8260C | Date Collected: 09/25/2024 13:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 20:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	10		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d
Lims ID: 480-223755-A-9
Client ID: GW-M-28S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 20:13:30 ALS Bottle#: 55 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-9
Misc. Info.: 480-0120250-027
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 08:31:29 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: HF3K Date: 30-Sep-2024 08:31:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.742	0.006	98	173716	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.096	0.005	87	363144	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.010	9.004	0.006	95	395066	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.266	0.006	92	280243	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.517	0.006	100	163022	25.7	
$ 5 Toluene-d8 (Surr)	98	5.955	5.954	0.006	94	852855	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.059	8.059	0.006	94	294257	24.2	
10 Dichlorodifluoromethane	85		1.121				ND	
12 Chloromethane	50		1.280				ND	
13 Vinyl chloride	62		1.353				ND	
14 Bromomethane	94		1.633				ND	U
15 Chloroethane	64		1.694				ND	
17 Trichlorofluoromethane	101		1.908				ND	
22 1,1-Dichloroethene	96		2.353				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.358	2.359	-0.001	93	12684	1.59	
23 Acetone	43	2.468	2.456	0.012	94	5631	1.53	
26 Carbon disulfide	76		2.535				ND	7
27 Methyl acetate	43		2.731				ND	
30 Methylene Chloride	84	2.822	2.822	0.006	88	908	-0.7581	7a
32 Methyl tert-butyl ether	73		3.011				ND	
34 trans-1,2-Dichloroethene	96		3.023				ND	
39 1,1-Dichloroethane	63		3.389				ND	
45 cis-1,2-Dichloroethene	96		3.871				ND	
43 2-Butanone (MEK)	43		3.895				ND	
50 Chloroform	83	4.139	4.133	0.006	82	1923	0.1157	
51 1,1,1-Trichloroethane	97		4.230				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117	4.352	4.346	0.006	98	44144	3.67	
57 Benzene	78		4.523				ND	
58 1,2-Dichloroethane	62		4.578				ND	
62 Trichloroethene	95	5.029	5.023	0.006	97	92745	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.120				ND	
65 1,2-Dichloropropane	63		5.212				ND	
68 Dichlorobromomethane	83		5.443				ND	
72 cis-1,3-Dichloropropene	75		5.773				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92		5.998				ND	
77 trans-1,3-Dichloropropene	75		6.212				ND	
79 1,1,2-Trichloroethane	83		6.358				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.529				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.754				ND	
87 Chlorobenzene	112		7.120				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.278				ND	
91 o-Xylene	106		7.608				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.022				ND	
116 1,2-Dichlorobenzene	146		9.339				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.016				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

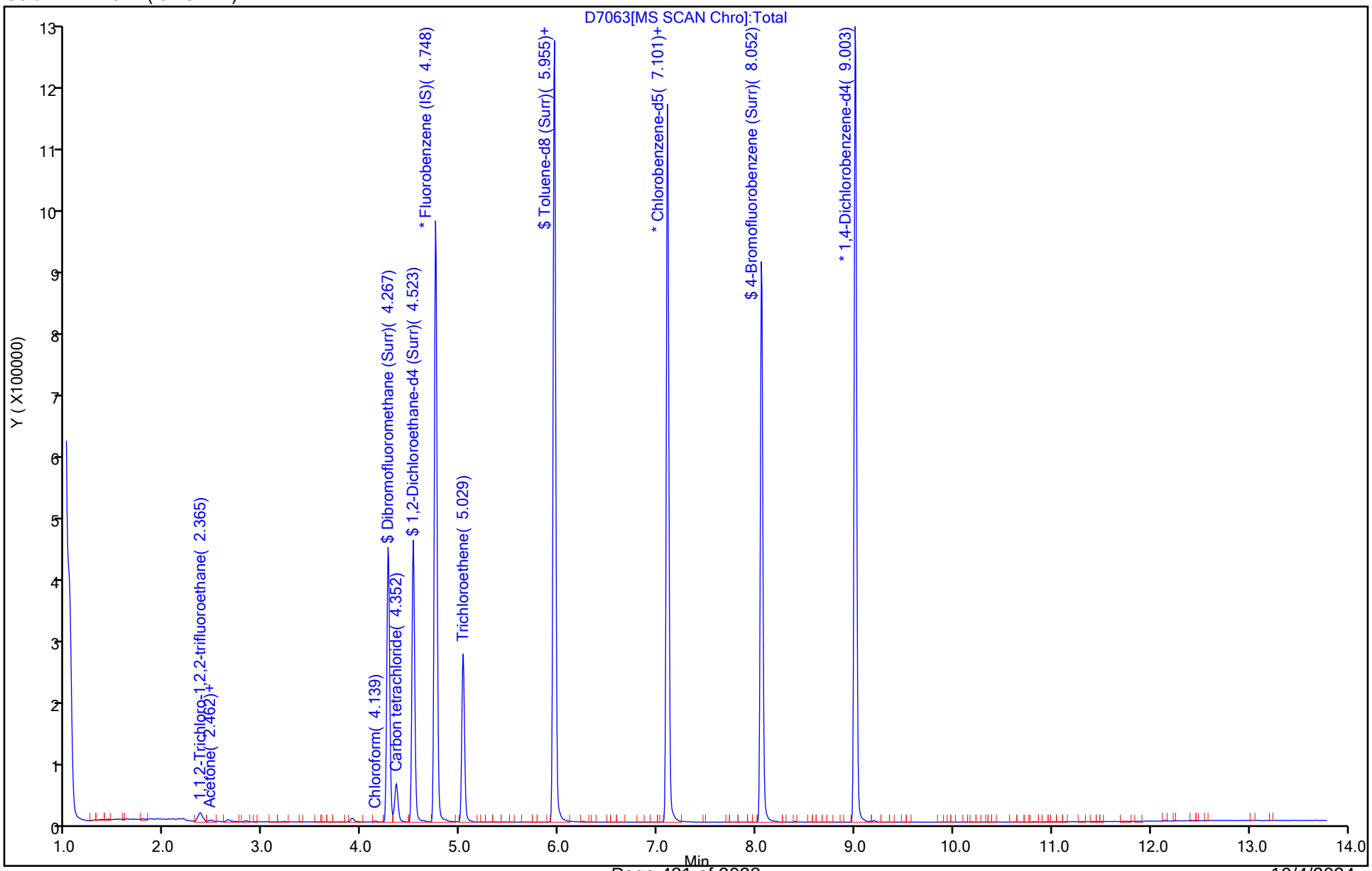
Report Date: 30-Sep-2024 08:31:29 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d

Injection Date:	27-Sep-2024 20:13:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223755-A-9	Lab Sample ID:	480-223755-9	Worklist Smp#:	27
Client ID:	GW-M-28S-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	55
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d
Lims ID: 480-223755-A-9
Client ID: GW-M-28S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 20:13:30 ALS Bottle#: 55 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-9
Misc. Info.: 480-0120250-027
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 08:31:29 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: HF3K Date: 30-Sep-2024 08:31:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.1	100.36
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.95
$ 5 Toluene-d8 (Surr)	25.0	24.3	97.35
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.2	96.69

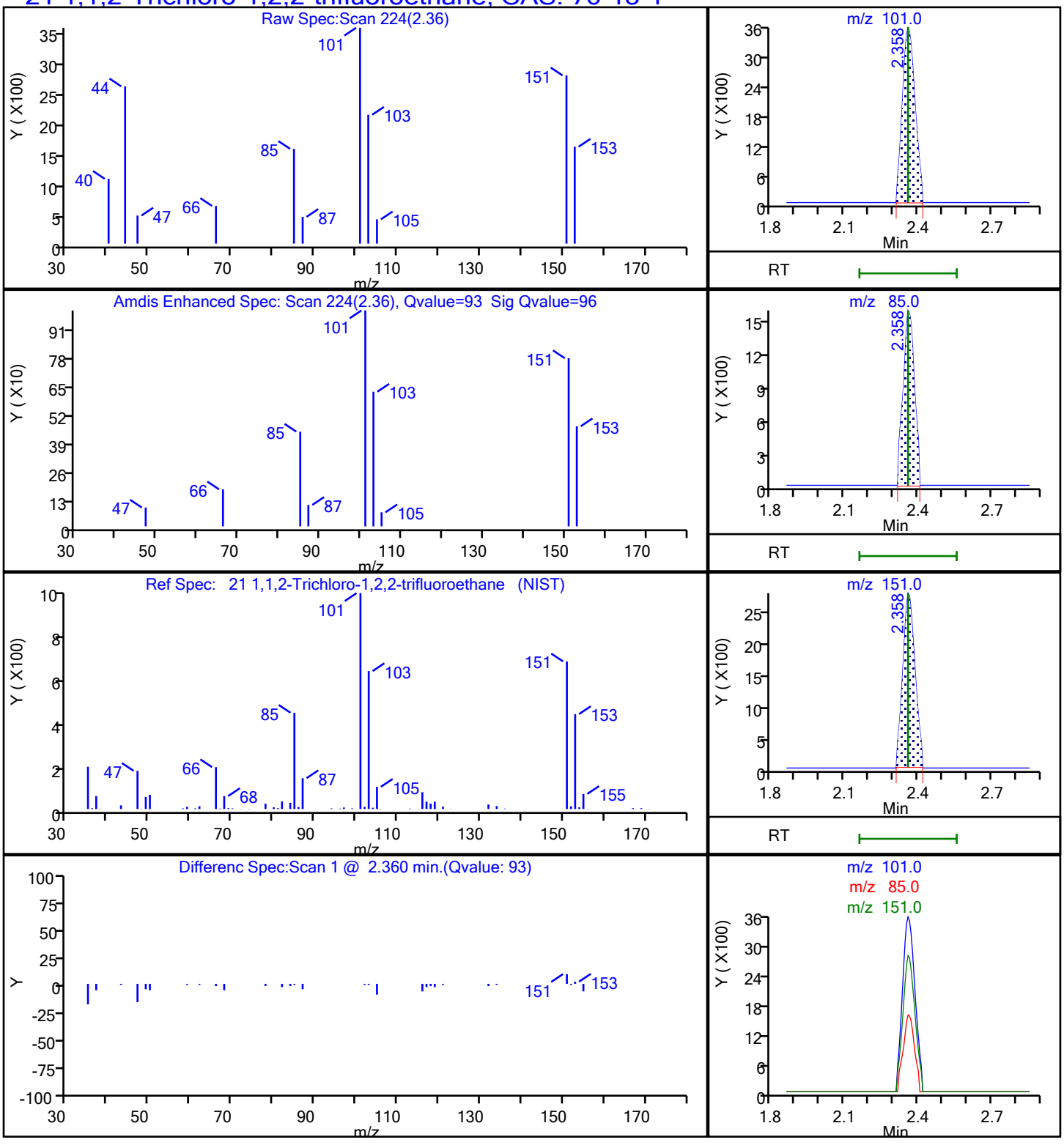
Report Date: 30-Sep-2024 08:31:29 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d

Injection Date:	27-Sep-2024 20:13:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-9	Lab Sample ID:	480-223755-9		
Client ID:	GW-M-28S-09252024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

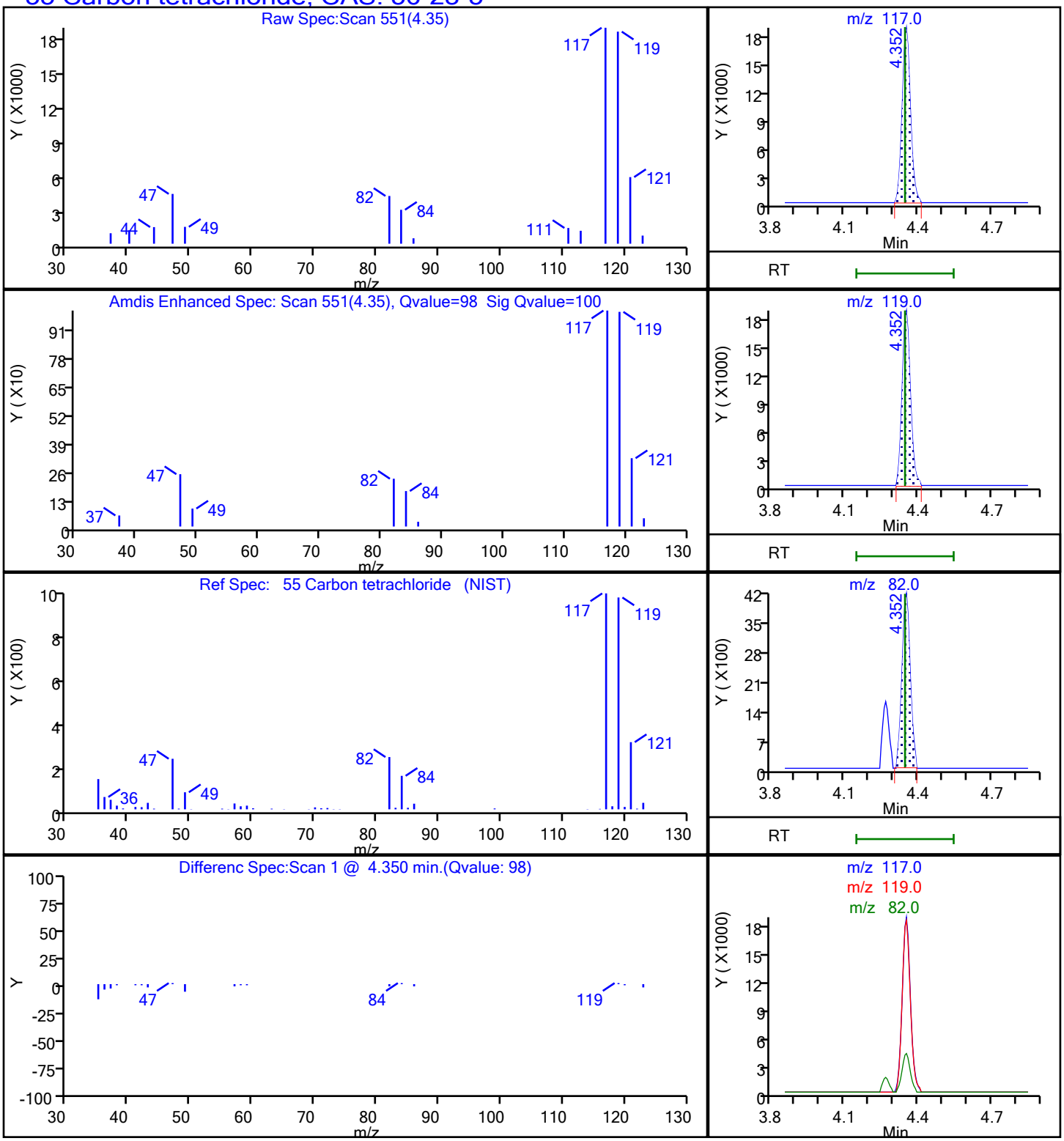


Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d

Injection Date:	27-Sep-2024 20:13:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-9	Lab Sample ID:	480-223755-9		
Client ID:	GW-M-28S-09252024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

55 Carbon tetrachloride, CAS: 56-23-5



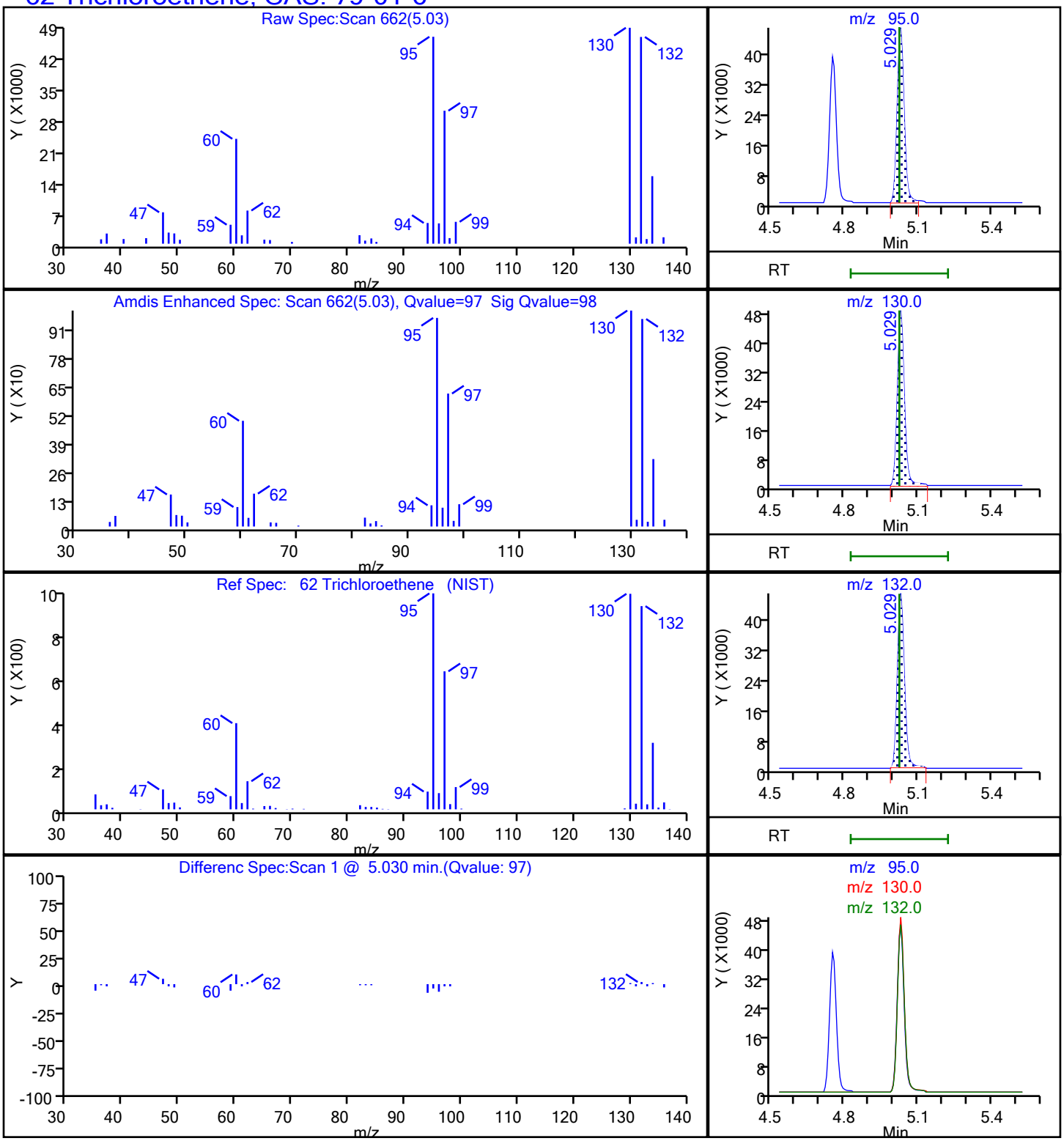
Report Date: 30-Sep-2024 08:31:30 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d

Injection Date:	27-Sep-2024 20:13:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-9	Lab Sample ID:	480-223755-9		
Client ID:	GW-M-28S-09252024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



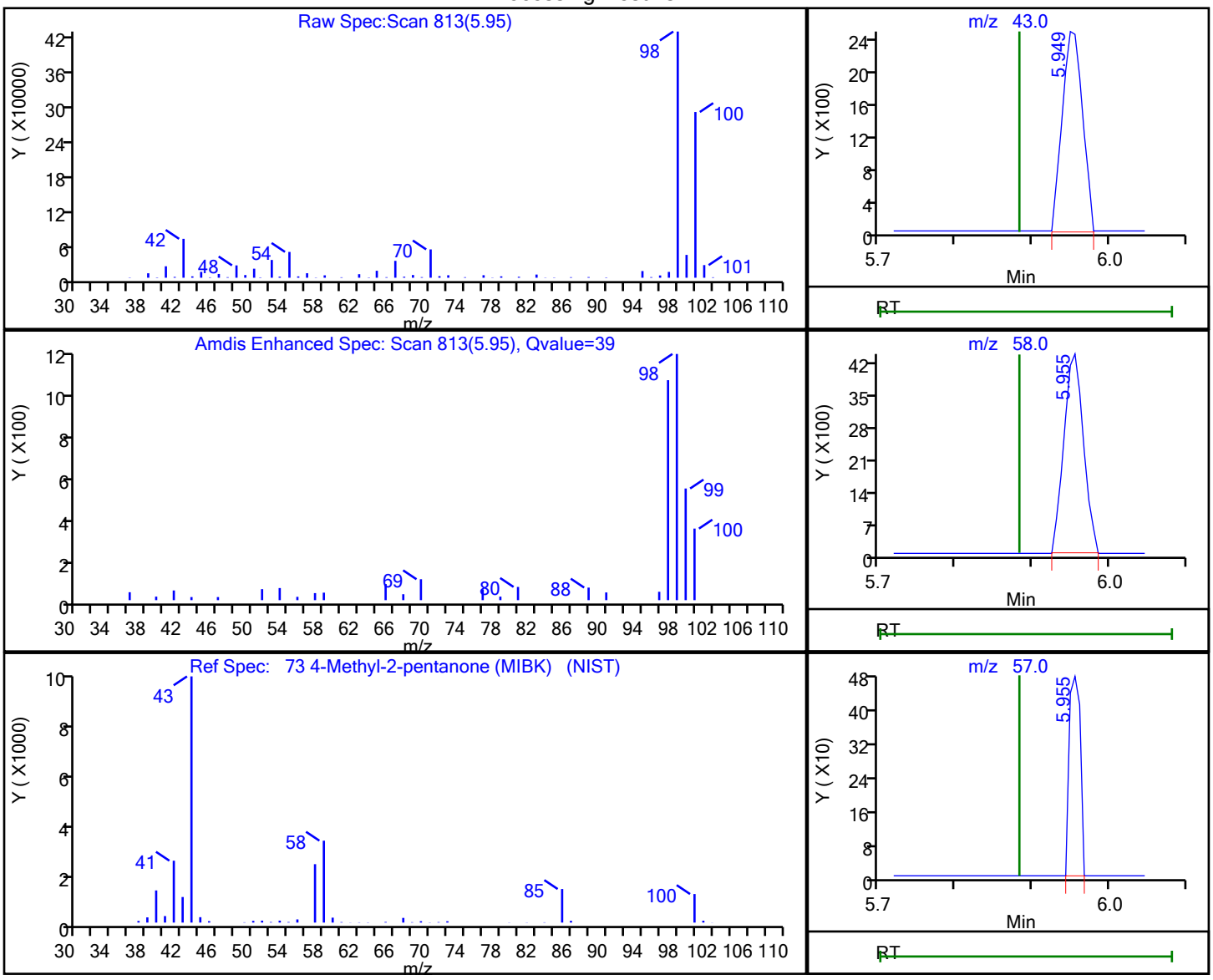
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d				
Injection Date:	27-Sep-2024 20:13:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-9	Lab Sample ID:	480-223755-9		
Client ID:	GW-M-28S-09252024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4444	0.349770
5.96	58.00	7861	
5.96	57.00	487	

Reviewer: HF3K, 30-Sep-2024 08:31:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

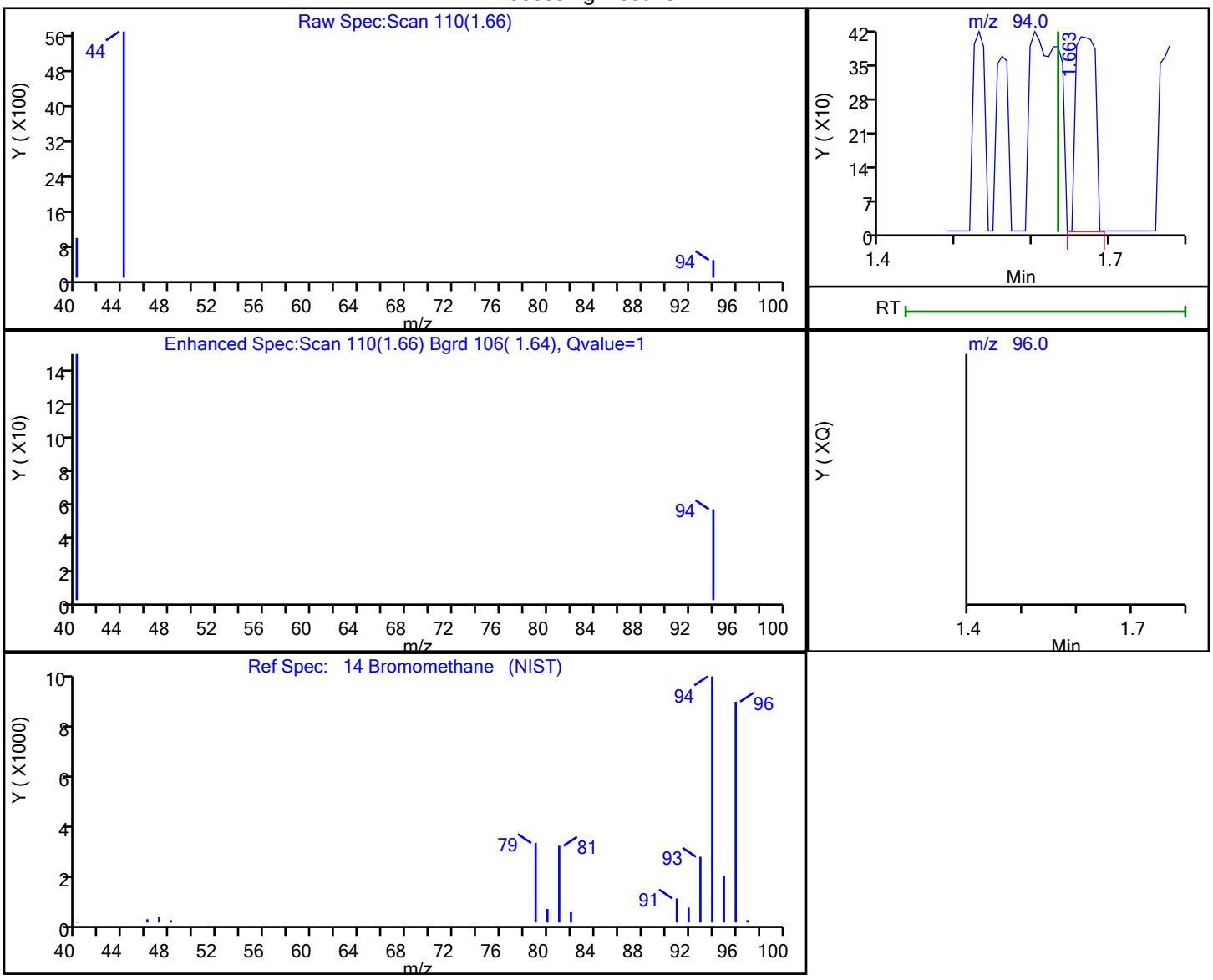
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d				
Injection Date:	27-Sep-2024 20:13:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-9	Lab Sample ID:	480-223755-9		
Client ID:	GW-M-28S-09252024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.66	94.00	729	0.100794
1.63	96.00	0	

Reviewer: HF3K, 30-Sep-2024 08:30:12 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

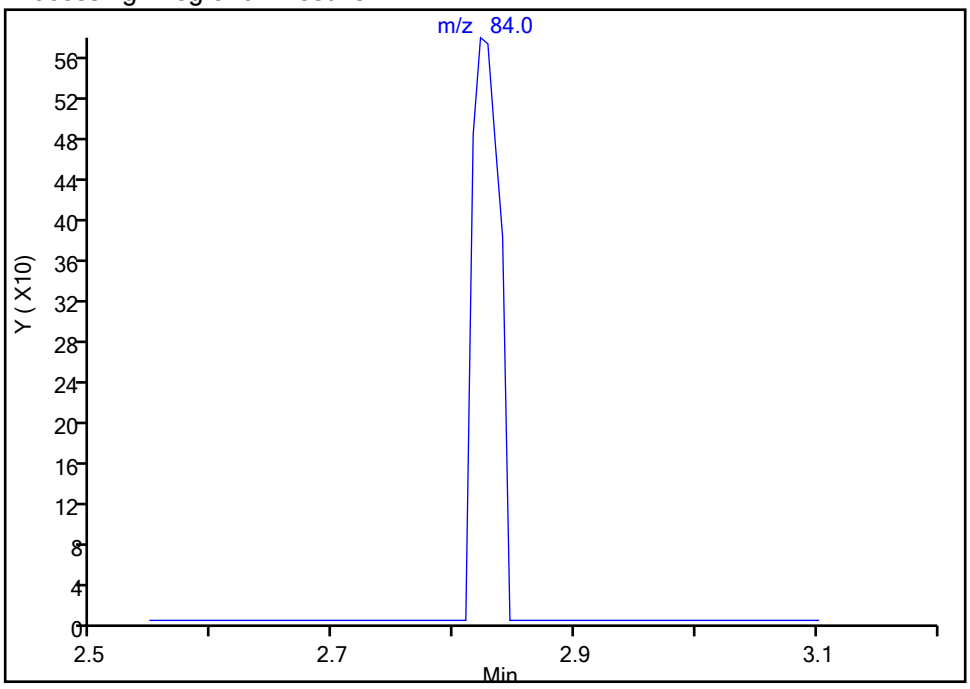
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7063.d				
Injection Date:	27-Sep-2024 20:13:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-9	Lab Sample ID:	480-223755-9		
Client ID:	GW-M-28S-09252024				
Operator ID:	LH	ALS Bottle#:	55	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

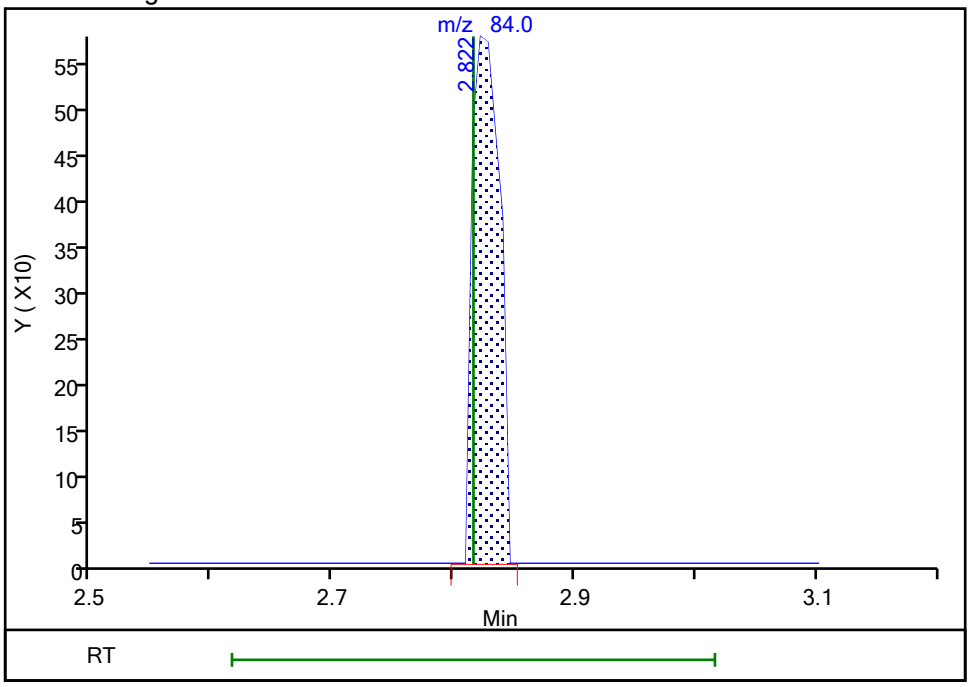
Not Detected
Expected RT: 2.82

Processing Integration Results



Manual Integration Results

RT: 2.82
Area: 908
Amount: -0.758116
Amount Units: ug/L



Reviewer: HF3K, 30-Sep-2024 08:30:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-D-09252024 | Lab Sample ID: 480-223755-10

Matrix: Water | Lab File ID: D7045.d

Analysis Method: 8260C | Date Collected: 09/25/2024 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 13:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-D-09252024 | Lab Sample ID: 480-223755-10

Matrix: Water | Lab File ID: D7045.d

Analysis Method: 8260C | Date Collected: 09/25/2024 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 13:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7045.d
Lims ID: 480-223755-A-10
Client ID: SW-D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 13:21:30 ALS Bottle#: 37 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-10
Misc. Info.: 480-0120250-009
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 15:10:39 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 15:10:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.742	0.006	98	188632	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.096	0.006	87	388633	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	415398	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.266	0.006	92	303372	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.517	0.006	99	171309	24.9	
$ 5 Toluene-d8 (Surr)	98	5.949	5.954	0.000	94	920092	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.059	0.000	93	312432	24.0	
10 Dichlorodifluoromethane	85		1.121				ND	
12 Chloromethane	50		1.280				ND	
13 Vinyl chloride	62		1.353				ND	
14 Bromomethane	94		1.633				ND	U
15 Chloroethane	64		1.694				ND	
17 Trichlorofluoromethane	101		1.908				ND	
22 1,1-Dichloroethene	96		2.353				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.359				ND	
23 Acetone	43		2.456				ND	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.731				ND	
30 Methylene Chloride	84		2.816				ND	
32 Methyl tert-butyl ether	73		3.011				ND	
34 trans-1,2-Dichloroethene	96		3.023				ND	
39 1,1-Dichloroethane	63		3.389				ND	
45 cis-1,2-Dichloroethene	96		3.871				ND	
43 2-Butanone (MEK)	43		3.895				ND	
50 Chloroform	83		4.133				ND	
51 1,1,1-Trichloroethane	97		4.230				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117		4.346				ND	
57 Benzene	78		4.523				ND	
58 1,2-Dichloroethane	62		4.578				ND	
62 Trichloroethene	95		5.023				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.120				ND	
65 1,2-Dichloropropane	63		5.212				ND	
68 Dichlorobromomethane	83		5.443				ND	
72 cis-1,3-Dichloropropene	75		5.773				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92	6.004	6.003	0.006	97	3248	0.1517	
77 trans-1,3-Dichloropropene	75		6.212				ND	
79 1,1,2-Trichloroethane	83		6.358				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.529				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.754				ND	
87 Chlorobenzene	112		7.120				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.278				ND	
91 o-Xylene	106		7.608				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.022				ND	
116 1,2-Dichlorobenzene	146		9.339				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.016				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

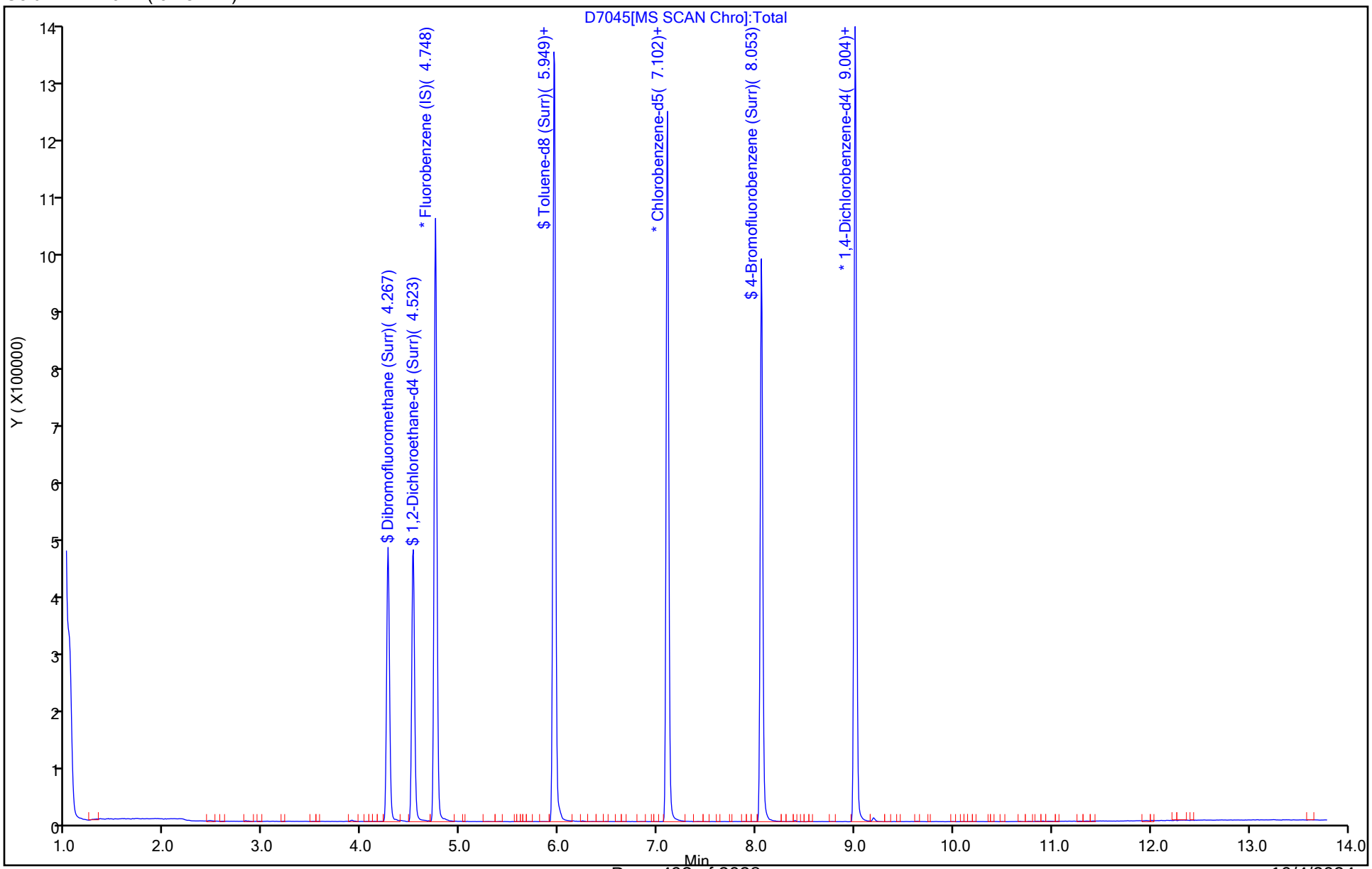
Report Date: 27-Sep-2024 15:10:41 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7045.d

Injection Date:	27-Sep-2024 13:21:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223755-A-10	Lab Sample ID:	480-223755-10	Worklist Smp#:	9
Client ID:	SW-D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	37
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7045.d
Lims ID: 480-223755-A-10
Client ID: SW-D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 13:21:30 ALS Bottle#: 37 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-10
Misc. Info.: 480-0120250-009
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 15:10:39 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 15:10:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.0	100.06
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.9	99.63
$ 5 Toluene-d8 (Surr)	25.0	24.5	98.13
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.0	95.93

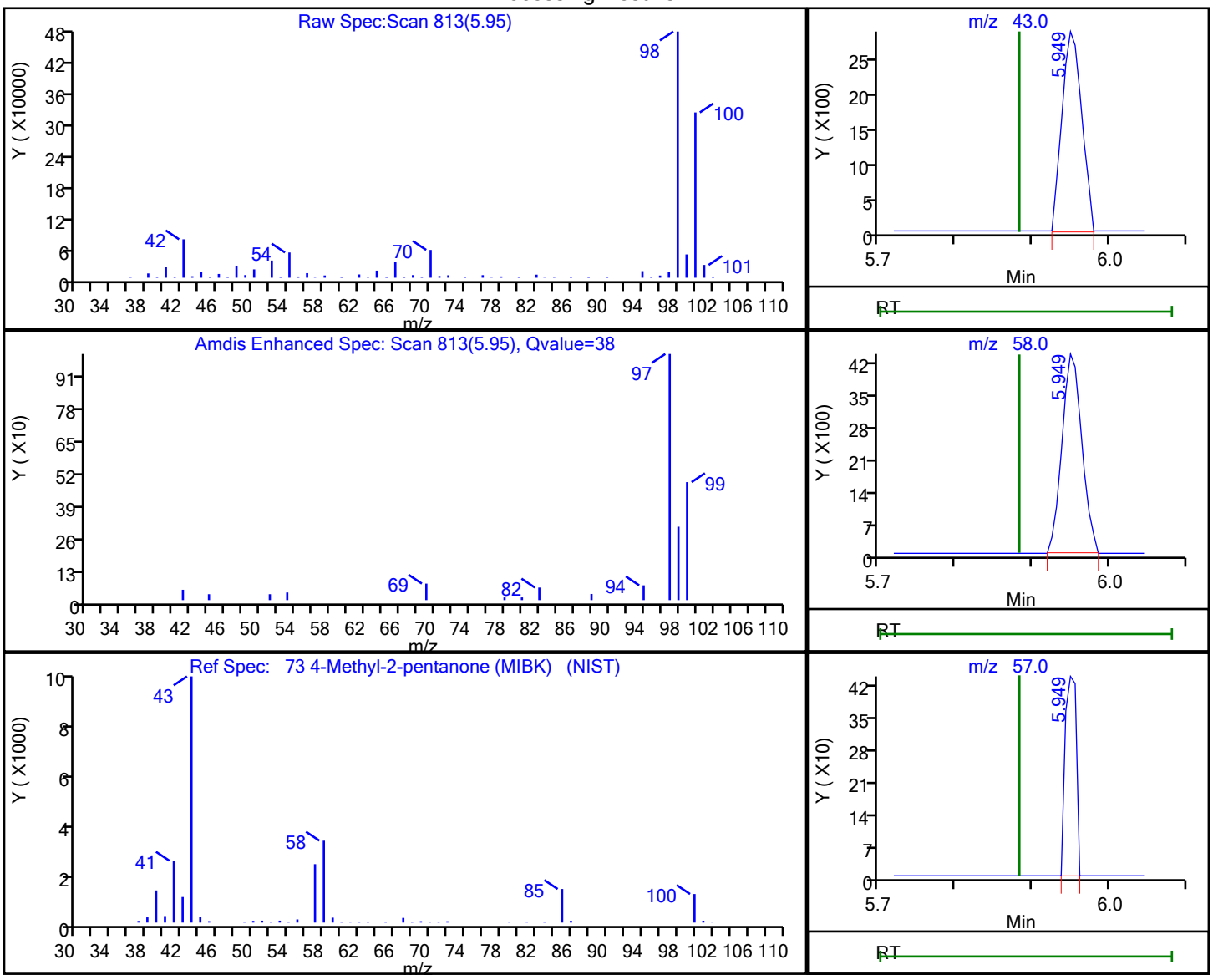
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7045.d				
Injection Date:	27-Sep-2024 13:21:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-10	Lab Sample ID:	480-223755-10		
Client ID:	SW-D-09252024				
Operator ID:	LH	ALS Bottle#:	37	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	5144	0.378310
5.95	58.00	7917	
5.95	57.00	449	

Reviewer: HF3K, 27-Sep-2024 15:10:18 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

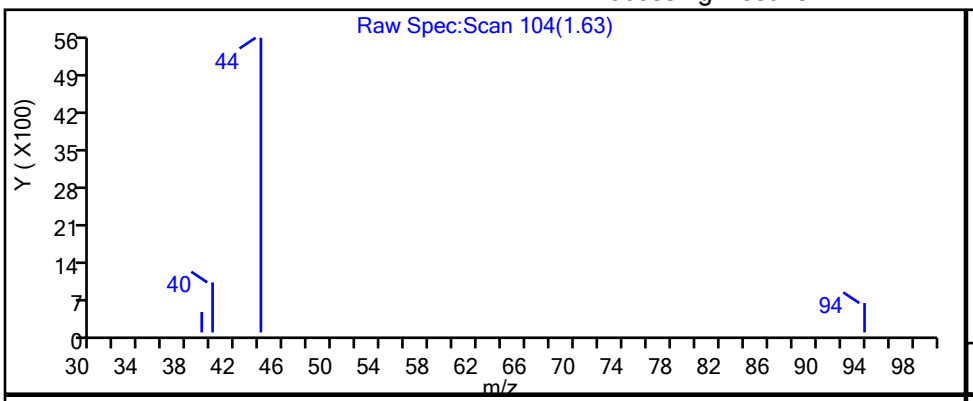
User Disabled Compound Report

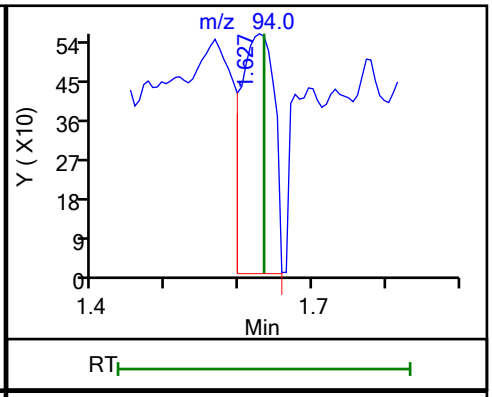
Eurofins Buffalo

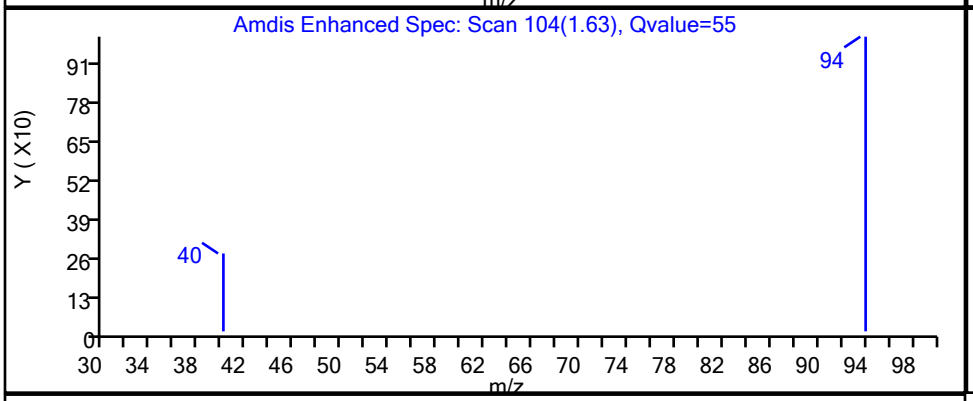
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7045.d				
Injection Date:	27-Sep-2024 13:21:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-10	Lab Sample ID:	480-223755-10		
Client ID:	SW-D-09252024				
Operator ID:	LH	ALS Bottle#:	37	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

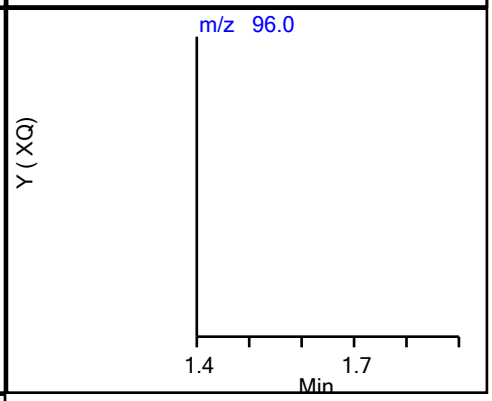
14 Bromomethane, CAS: 74-83-9

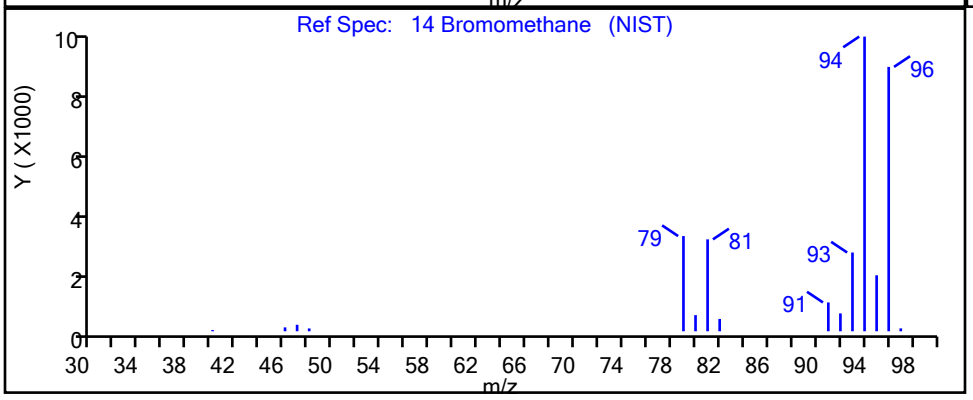
Processing Results











RT	Mass	Response	Amount
1.63	94.00	1769	0.225247
1.64	96.00	0	

Reviewer: HF3K, 27-Sep-2024 15:09:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-3-09252024 | Lab Sample ID: 480-223755-11

Matrix: Water | Lab File ID: D7046.d

Analysis Method: 8260C | Date Collected: 09/25/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 13:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U *1	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-3-09252024 | Lab Sample ID: 480-223755-11

Matrix: Water | Lab File ID: D7046.d

Analysis Method: 8260C | Date Collected: 09/25/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 13:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7046.d
Lims ID: 480-223755-A-11
Client ID: TB-3-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 13:57:30 ALS Bottle#: 38 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-11
Misc. Info.: 480-0120250-010
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 15:12:22 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 15:12:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.742	0.006	98	187647	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.096	0.006	87	375596	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	410392	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.266	0.006	93	300953	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.517	0.006	99	169439	24.8	
$ 5 Toluene-d8 (Surr)	98	5.956	5.954	0.007	94	879585	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.059	0.000	94	307767	24.4	
10 Dichlorodifluoromethane	85		1.121				ND	
12 Chloromethane	50		1.280				ND	7
13 Vinyl chloride	62		1.353				ND	
14 Bromomethane	94		1.633				ND	7
15 Chloroethane	64		1.694				ND	
17 Trichlorofluoromethane	101		1.908				ND	
22 1,1-Dichloroethene	96		2.353				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.359				ND	
23 Acetone	43		2.456				ND	
26 Carbon disulfide	76		2.535				ND	
27 Methyl acetate	43		2.731				ND	
30 Methylene Chloride	84	2.822	2.822	0.006	94	988	-0.7573	7a
32 Methyl tert-butyl ether	73		3.011				ND	
34 trans-1,2-Dichloroethene	96		3.023				ND	
39 1,1-Dichloroethane	63		3.389				ND	
45 cis-1,2-Dichloroethene	96		3.871				ND	
43 2-Butanone (MEK)	43		3.895				ND	
50 Chloroform	83		4.133				ND	
51 1,1,1-Trichloroethane	97		4.230				ND	
52 Cyclohexane	56		4.242				ND	
55 Carbon tetrachloride	117		4.346				ND	
57 Benzene	78		4.523				ND	
58 1,2-Dichloroethane	62		4.578				ND	
62 Trichloroethene	95		5.023				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.120				ND	
65 1,2-Dichloropropane	63		5.212				ND	
68 Dichlorobromomethane	83		5.443				ND	
72 cis-1,3-Dichloropropene	75		5.773				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882				ND	U
74 Toluene	92	6.004	6.003	0.006	98	2862	0.1383	
77 trans-1,3-Dichloropropene	75		6.212				ND	
79 1,1,2-Trichloroethane	83		6.358				ND	
81 Tetrachloroethene	166		6.419				ND	
80 2-Hexanone	43		6.529				ND	
83 Chlorodibromomethane	129		6.675				ND	
84 Ethylene Dibromide	107		6.754				ND	
87 Chlorobenzene	112		7.120				ND	
88 Ethylbenzene	91		7.187				ND	
90 m-Xylene & p-Xylene	106		7.278				ND	
91 o-Xylene	106		7.608				ND	
92 Styrene	104		7.626				ND	
95 Bromoform	173		7.821				ND	
94 Isopropylbenzene	105		7.894				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.949				ND	
113 1,4-Dichlorobenzene	146		9.022				ND	
116 1,2-Dichlorobenzene	146		9.339				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.016				ND	
119 1,2,4-Trichlorobenzene	180		10.686				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

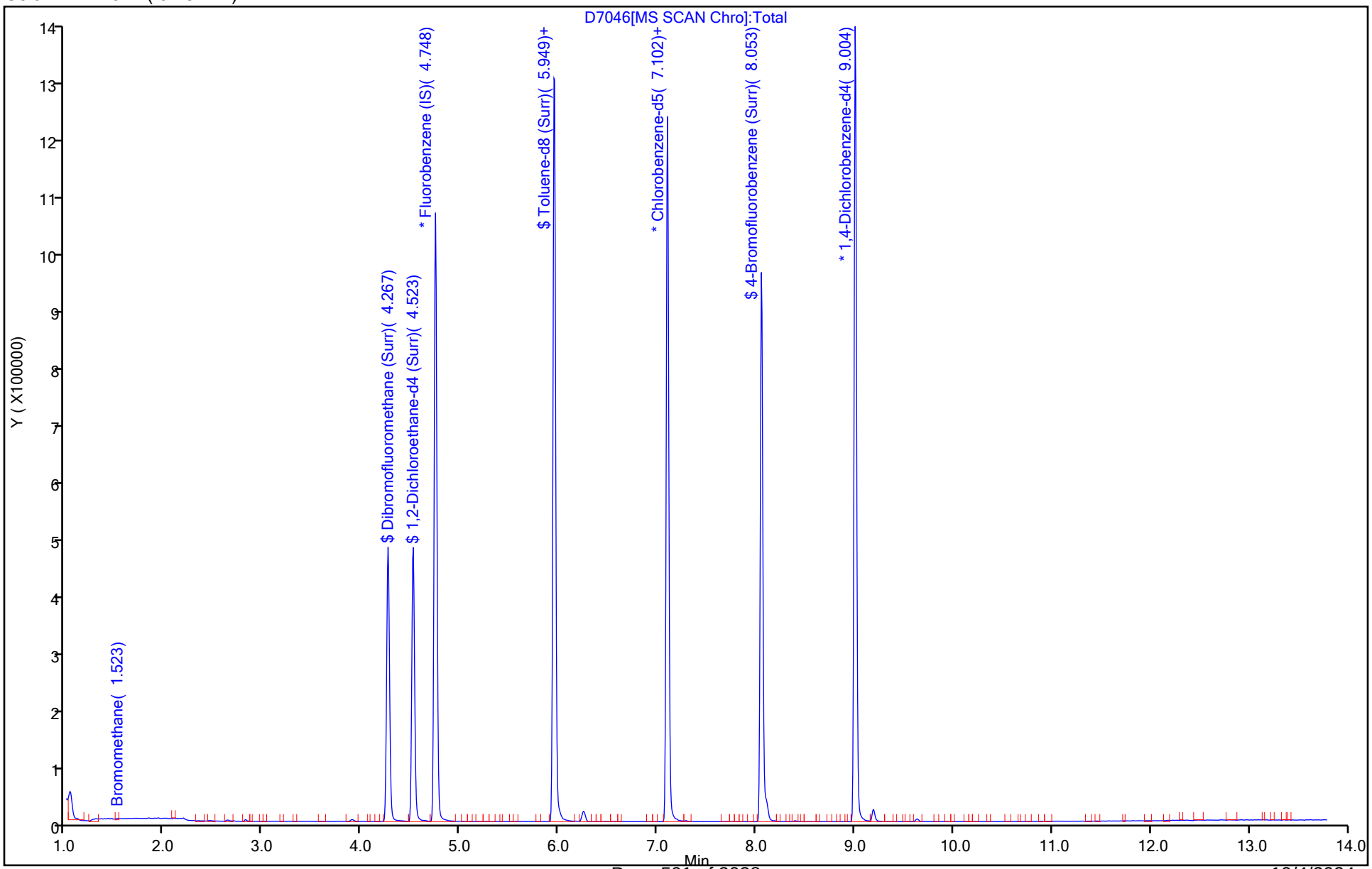
Report Date: 27-Sep-2024 15:12:24 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7046.d

Injection Date:	27-Sep-2024 13:57:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	480-223755-A-11	Lab Sample ID:	480-223755-11	Worklist Smp#:	10
Client ID:	TB-3-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	38
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7046.d
Lims ID: 480-223755-A-11
Client ID: TB-3-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 13:57:30 ALS Bottle#: 38 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223755-A-11
Misc. Info.: 480-0120250-010
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 15:12:22 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 15:12:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	24.9	99.78
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.8	99.06
$ 5 Toluene-d8 (Surr)	25.0	24.3	97.07
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.4	97.78

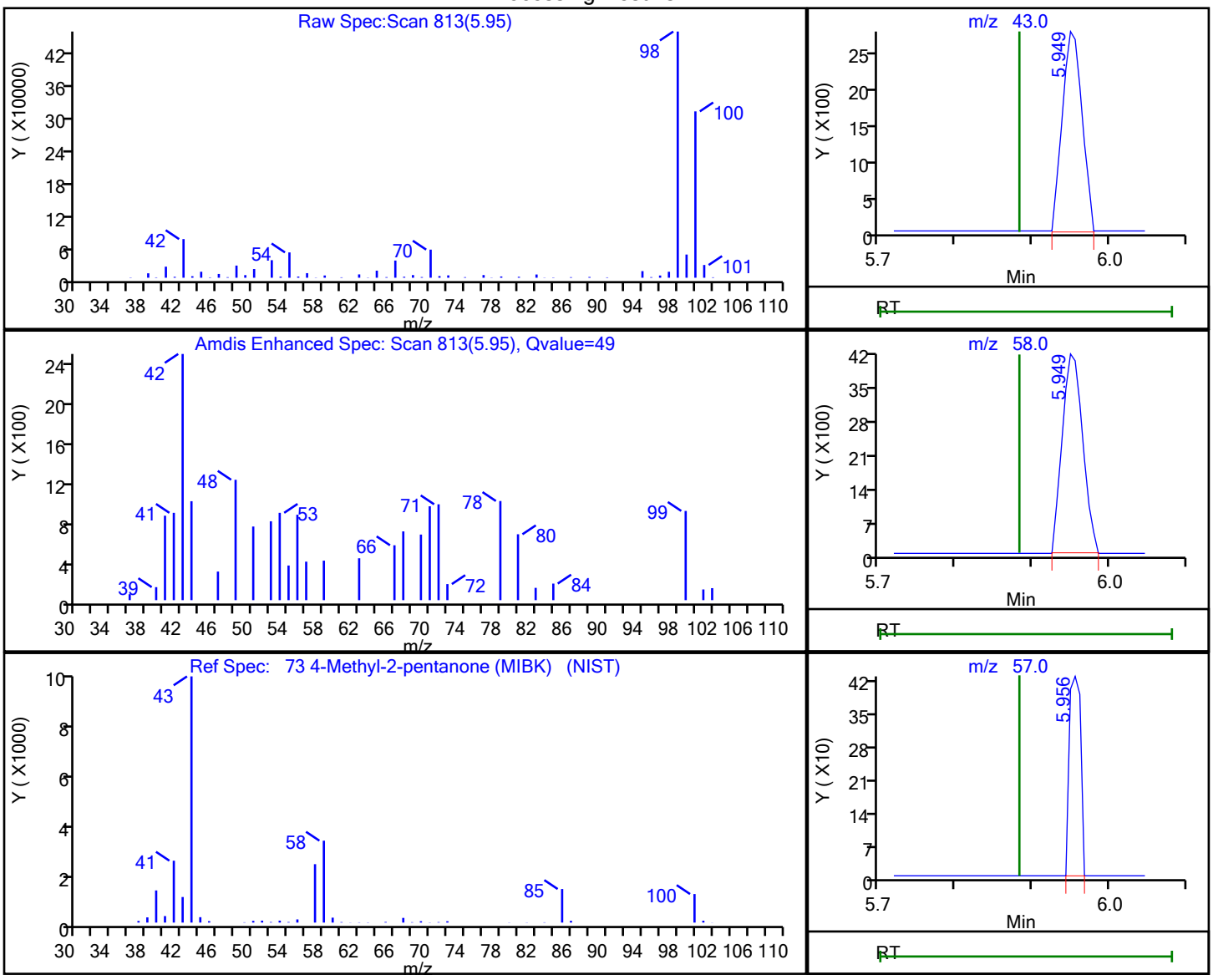
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7046.d				
Injection Date:	27-Sep-2024 13:57:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-11	Lab Sample ID:	480-223755-11		
Client ID:	TB-3-09252024				
Operator ID:	LH	ALS Bottle#:	38	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4984	0.379266
5.95	58.00	7703	
5.96	57.00	443	

Reviewer: HF3K, 27-Sep-2024 15:12:00 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Buffalo

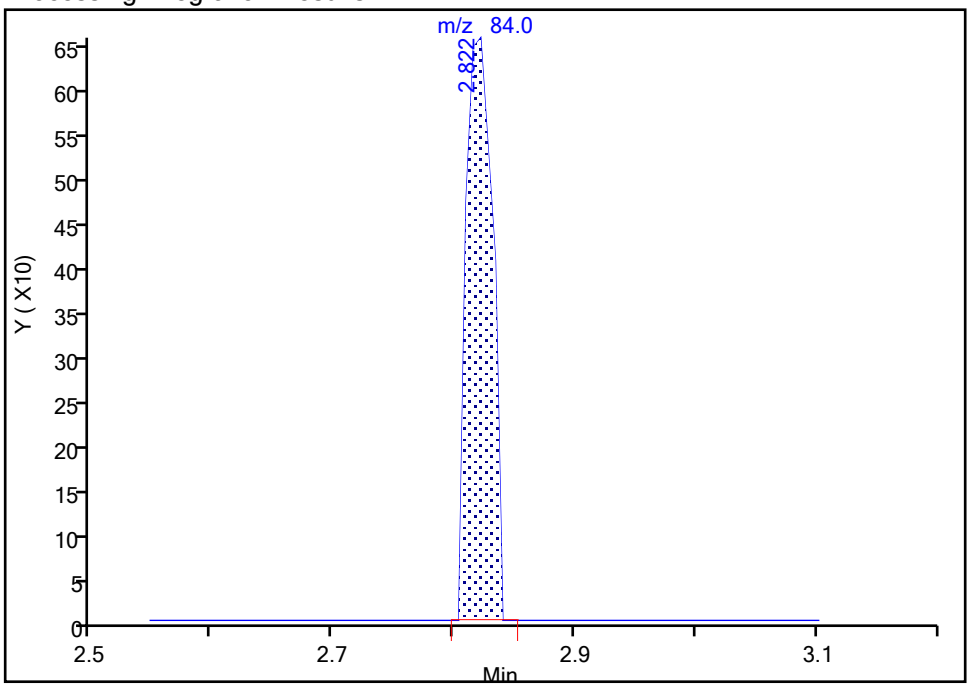
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7046.d				
Injection Date:	27-Sep-2024 13:57:30	Instrument ID:	HP5975D		
Lims ID:	480-223755-A-11	Lab Sample ID:	480-223755-11		
Client ID:	TB-3-09252024				
Operator ID:	LH	ALS Bottle#:	38	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

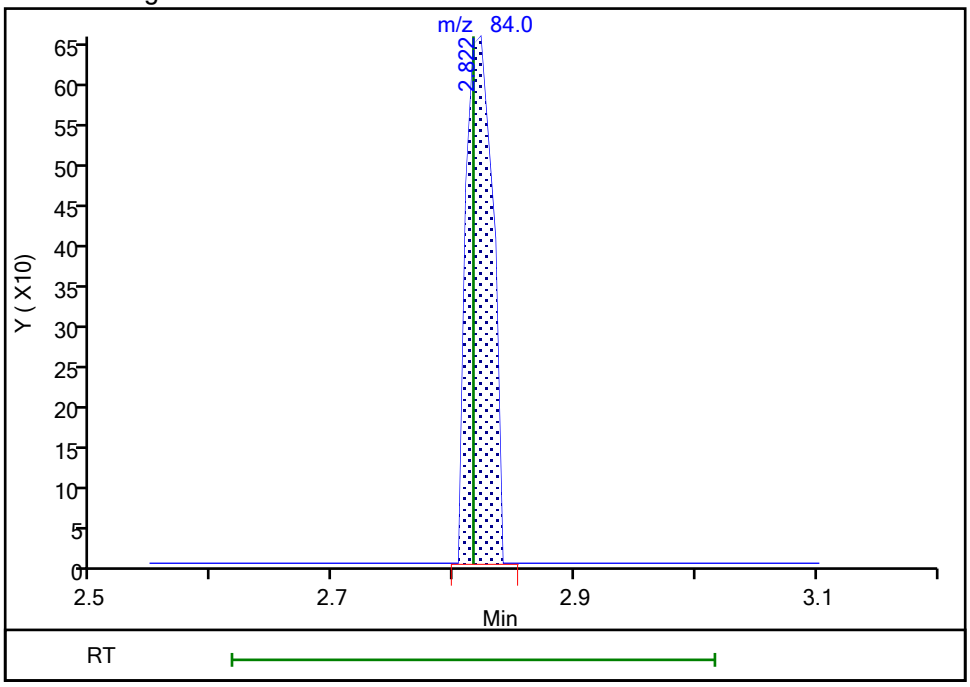
Processing Integration Results

RT: 2.82
Area: 988
Amount: -0.757340
Amount Units: ug/L



Manual Integration Results

RT: 2.82
Area: 988
Amount: -0.757340
Amount Units: ug/L



Reviewer: HF3K, 27-Sep-2024 15:11:35 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-3-09262024 | Lab Sample ID: 480-223784-1

Matrix: Water | Lab File ID: L8936.D

Analysis Method: 8260C | Date Collected: 09/26/2024 08:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 10:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-3-09262024 | Lab Sample ID: 480-223784-1

Matrix: Water | Lab File ID: L8936.D

Analysis Method: 8260C | Date Collected: 09/26/2024 08:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 10:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8936.D
Lims ID: 480-223784-A-1
Client ID: EB-3-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 10:49:42 ALS Bottle#: 0 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-1
Misc. Info.: 480-0120267-044
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:54:01 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:54:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	125944	25.0	
* 2 Chlorobenzene-d5	117	8.532	8.532	0.000	86	487148	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	252407	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	168770	25.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	98	206923	24.6	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	661457	26.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	98	197657	27.8	
10 Dichlorodifluoromethane	85		1.738				ND	
13 Chloromethane	50		1.957				ND	
14 Vinyl chloride	62		2.059				ND	
18 Bromomethane	94		2.410				ND	
19 Chloroethane	64		2.513				ND	
21 Trichlorofluoromethane	101		2.725				ND	
30 1,1-Dichloroethene	96		3.198				ND	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.201				ND	
31 Acetone	43	3.291	3.288	0.003	98	6171	1.77	
35 Carbon disulfide	76		3.416				ND	
38 Methyl acetate	43		3.551				ND	
39 Methylene Chloride	84		3.632				ND	7
42 trans-1,2-Dichloroethene	96		3.847				ND	
41 Methyl tert-butyl ether	73		3.863				ND	
50 1,1-Dichloroethane	63		4.204				ND	
58 cis-1,2-Dichloroethene	96		4.702				ND	
57 2-Butanone (MEK)	43		4.728				ND	U
62 Chloroform	83		4.960				ND	
64 1,1,1-Trichloroethane	97		5.114				ND	
65 Cyclohexane	56		5.153				ND	
66 Carbon tetrachloride	117		5.255				ND	
70 Benzene	78		5.432				ND	
72 1,2-Dichloroethane	62		5.458				ND	
75 Trichloroethene	95		5.985				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.137				ND	
77 1,2-Dichloropropane	63		6.194				ND	
83 Dichlorobromomethane	83		6.445				ND	
85 cis-1,3-Dichloropropene	75		6.844				ND	
87 4-Methyl-2-pentanone (MIBK)	43		6.979				ND	
88 Toluene	92		7.153				ND	
91 trans-1,3-Dichloropropene	75		7.365				ND	
93 1,1,2-Trichloroethane	83		7.554				ND	
94 Tetrachloroethene	166		7.690				ND	
96 2-Hexanone	43		7.783				ND	
98 Chlorodibromomethane	129		7.963				ND	
101 Ethylene Dibromide	107		8.085				ND	
103 Chlorobenzene	112		8.561				ND	
104 Ethylbenzene	91		8.641				ND	
106 m-Xylene & p-Xylene	106		8.760				ND	
107 o-Xylene	106		9.188				ND	
109 Styrene	104		9.204				ND	
110 Bromoform	173		9.448				ND	
111 Isopropylbenzene	105		9.561				ND	
112 1,1,2,2-Tetrachloroethane	83		9.921				ND	
124 1,3-Dichlorobenzene	146		10.876				ND	
126 1,4-Dichlorobenzene	146		10.960				ND	
128 1,2-Dichlorobenzene	146		11.310				ND	
129 1,2-Dibromo-3-Chloropropane	75		11.988				ND	
130 1,2,4-Trichlorobenzene	180		12.644				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

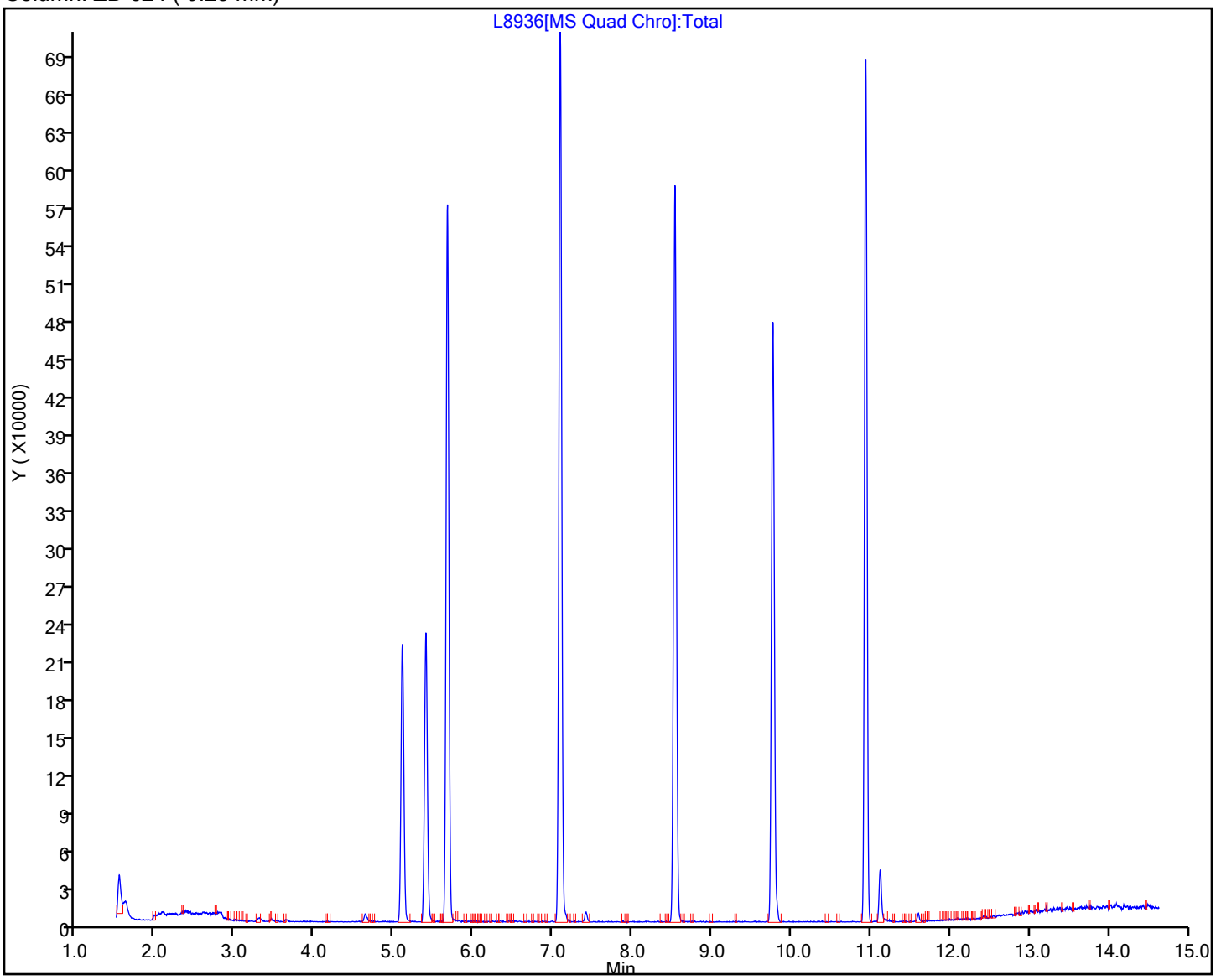
Report Date: 30-Sep-2024 13:54:02 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8936.D

Injection Date:	28-Sep-2024 10:49:42	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-1	Lab Sample ID:	480-223784-1		
Client ID:	EB-3-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	44
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8936.D
Lims ID: 480-223784-A-1
Client ID: EB-3-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 10:49:42 ALS Bottle#: 0 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-1
Misc. Info.: 480-0120267-044
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:54:01 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:54:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.7	102.99
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.6	98.40
$ 6 Toluene-d8 (Surr)	25.0	26.5	106.10
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.8	111.02

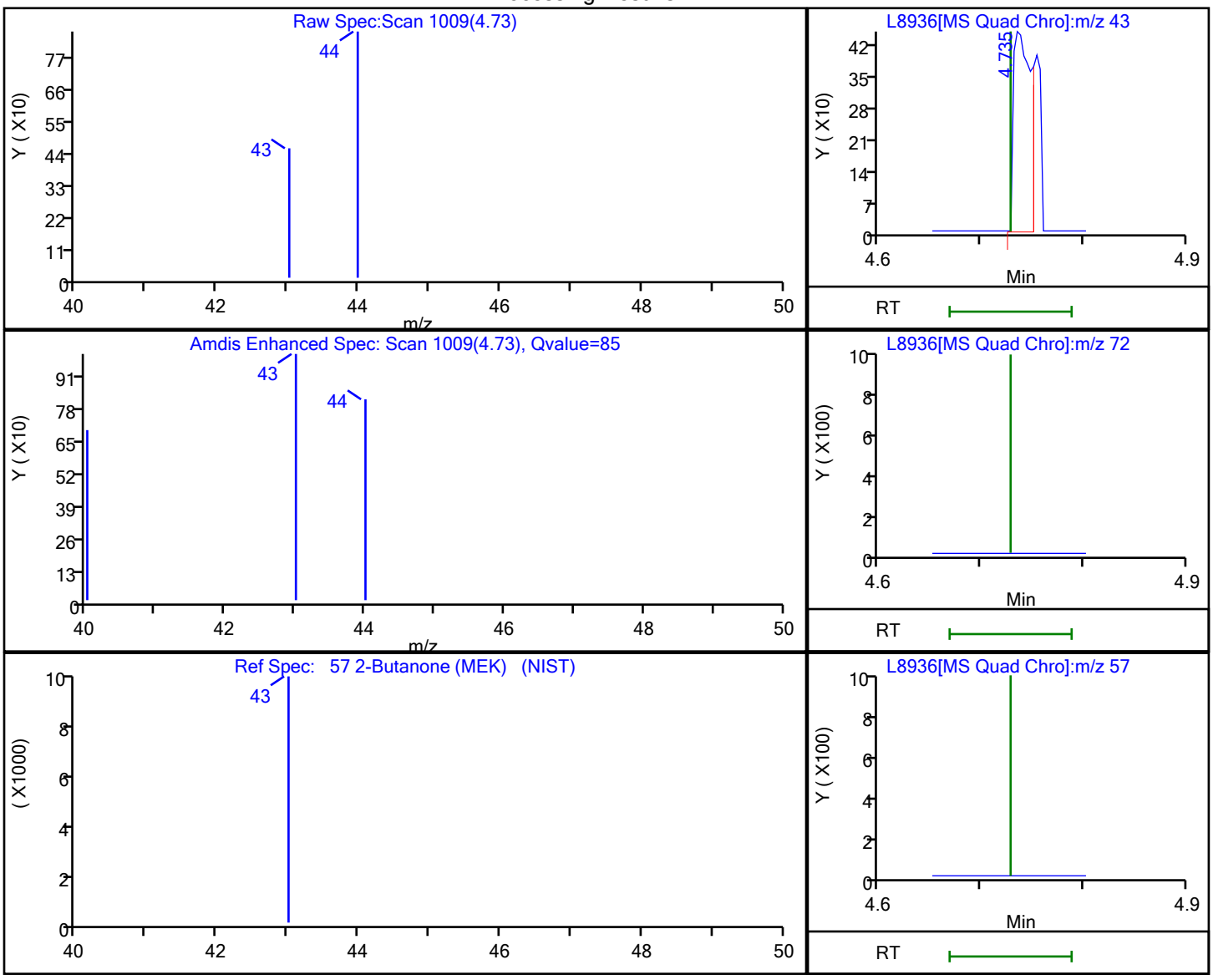
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8936.D				
Injection Date:	28-Sep-2024 10:49:42	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-1	Lab Sample ID:	480-223784-1		
Client ID:	EB-3-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	44
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

57 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.73	43.00	541	0.093542
4.73	72.00	0	
4.73	57.00	0	

Reviewer: WLL8, 30-Sep-2024 13:53:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024 | Lab Sample ID: 480-223784-2

Matrix: Water | Lab File ID: L8937.D

Analysis Method: 8260C | Date Collected: 09/26/2024 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 11:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	0.36	J	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.52	J	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024 | Lab Sample ID: 480-223784-2

Matrix: Water | Lab File ID: L8937.D

Analysis Method: 8260C | Date Collected: 09/26/2024 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 11:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	2.1		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8937.D
Lims ID: 480-223784-A-2
Client ID: GW-10S-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 11:14:48 ALS Bottle#: 0 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-2
Misc. Info.: 480-0120267-045
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:54:40 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:54:40

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
*	1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	130696	25.0	
*	2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	511608	25.0	
*	3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	277287	25.0	
$	4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	92	175053	25.7	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	98	214167	24.5	
$	6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	670970	25.6	
$	7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	98	200177	26.8	
	10 Dichlorodifluoromethane	85		1.738				ND	
	13 Chloromethane	50		1.957				ND	
	14 Vinyl chloride	62		2.059				ND	
	18 Bromomethane	94		2.410				ND	
	19 Chloroethane	64		2.513				ND	
	21 Trichlorofluoromethane	101		2.725				ND	
	30 1,1-Dichloroethene	96		3.198				ND	
	29 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.201				ND	
	31 Acetone	43	3.294	3.288	0.006	91	2962	0.8198	
	35 Carbon disulfide	76		3.416				ND	
	38 Methyl acetate	43		3.551				ND	
	39 Methylene Chloride	84		3.632				ND	
	42 trans-1,2-Dichloroethene	96		3.847				ND	
	41 Methyl tert-butyl ether	73		3.863				ND	
	50 1,1-Dichloroethane	63		4.204				ND	
	58 cis-1,2-Dichloroethene	96		4.702				ND	
	57 2-Butanone (MEK)	43		4.728				ND	
	62 Chloroform	83	4.960	4.960	0.000	91	7094	0.5195	
	64 1,1,1-Trichloroethane	97		5.114				ND	
	65 Cyclohexane	56		5.153				ND	
	66 Carbon tetrachloride	117	5.252	5.252	-0.003	91	3378	0.3585	M
	70 Benzene	78		5.432				ND	
	72 1,2-Dichloroethane	62		5.458				ND	
	75 Trichloroethene	95	5.986	5.985	0.001	94	16522	2.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.137				ND	
77 1,2-Dichloropropane	63		6.194				ND	
83 Dichlorobromomethane	83		6.445				ND	
85 cis-1,3-Dichloropropene	75		6.844				ND	
87 4-Methyl-2-pentanone (MIBK)	43		6.979				ND	
88 Toluene	92		7.153				ND	
91 trans-1,3-Dichloropropene	75		7.365				ND	
93 1,1,2-Trichloroethane	83		7.554				ND	
94 Tetrachloroethene	166		7.690				ND	
96 2-Hexanone	43		7.783				ND	
98 Chlorodibromomethane	129		7.963				ND	
101 Ethylene Dibromide	107		8.085				ND	
103 Chlorobenzene	112		8.561				ND	
104 Ethylbenzene	91		8.641				ND	
106 m-Xylene & p-Xylene	106		8.760				ND	
107 o-Xylene	106		9.188				ND	
109 Styrene	104		9.204				ND	
110 Bromoform	173		9.448				ND	
111 Isopropylbenzene	105		9.561				ND	
112 1,1,2,2-Tetrachloroethane	83		9.921				ND	
124 1,3-Dichlorobenzene	146		10.876				ND	
126 1,4-Dichlorobenzene	146		10.960				ND	
128 1,2-Dichlorobenzene	146		11.310				ND	
129 1,2-Dibromo-3-Chloropropane	75		11.988				ND	
130 1,2,4-Trichlorobenzene	180		12.644				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

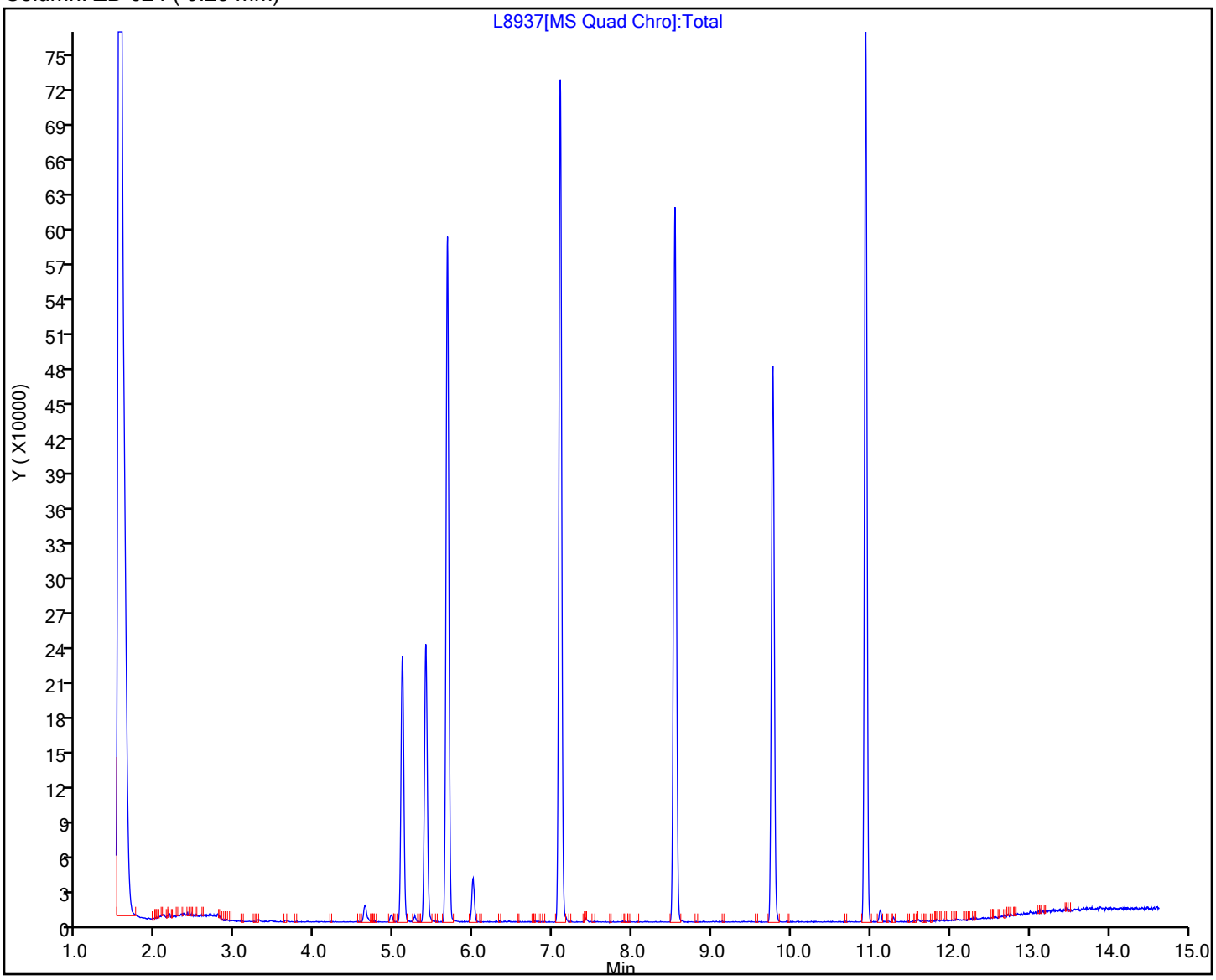
Report Date: 30-Sep-2024 13:54:41 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8937.D

Injection Date:	28-Sep-2024 11:14:48	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-2	Lab Sample ID:	480-223784-2		
Client ID:	GW-10S-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8937.D
Lims ID: 480-223784-A-2
Client ID: GW-10S-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 11:14:48 ALS Bottle#: 0 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-2
Misc. Info.: 480-0120267-045
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:54:40 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:54:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.7	102.94
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.5	98.14
$ 6 Toluene-d8 (Surr)	25.0	25.6	102.48
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.8	107.06

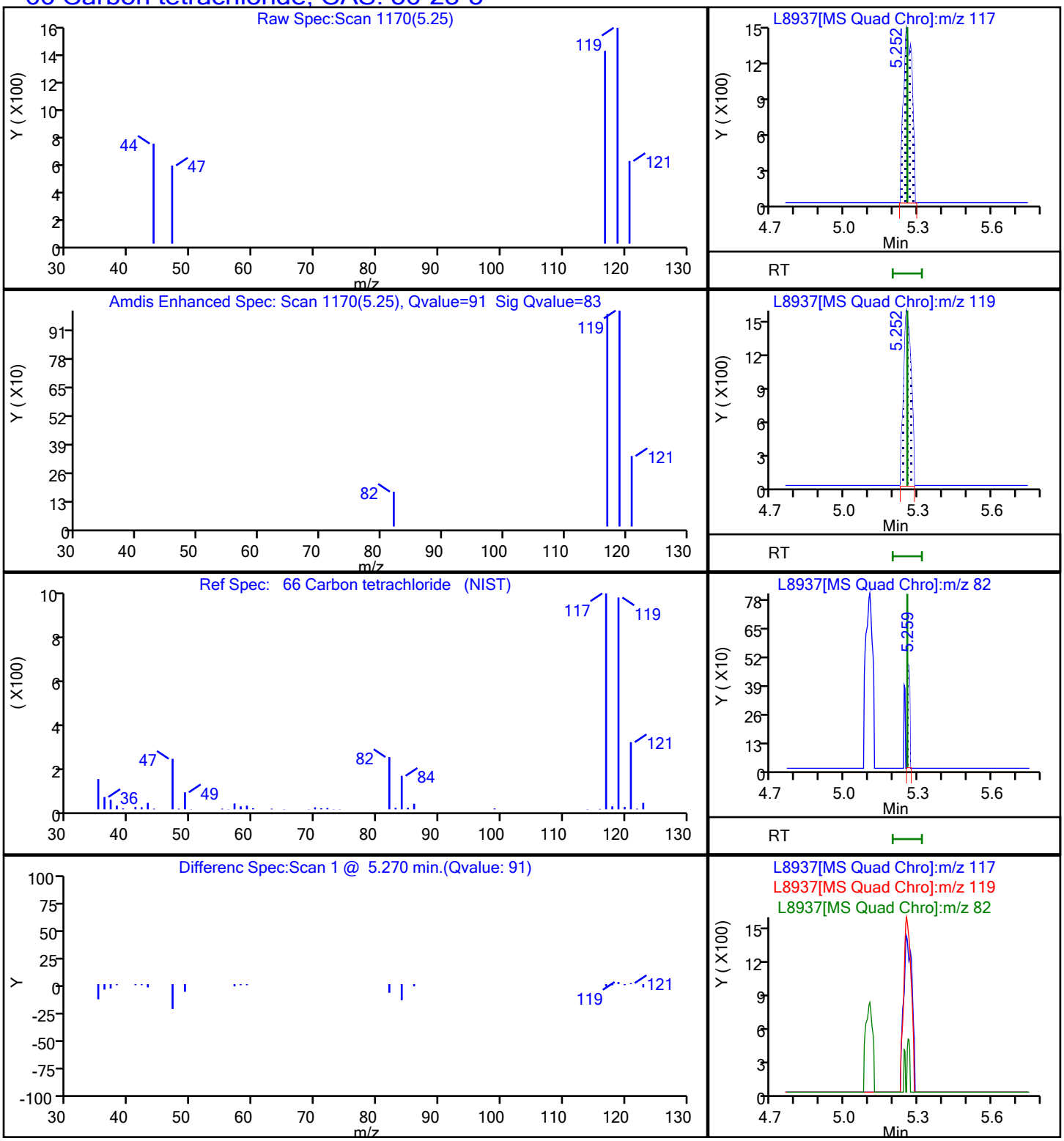
Report Date: 30-Sep-2024 13:54:41 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8937.D

Injection Date:	28-Sep-2024 11:14:48	Instrument ID:	HP5977L
Lims ID:	480-223784-A-2	Lab Sample ID:	480-223784-2
Client ID:	GW-10S-09262024		
Operator ID:	LH	ALS Bottle#:	0 Worklist Smp#: 45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	L-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS Quad

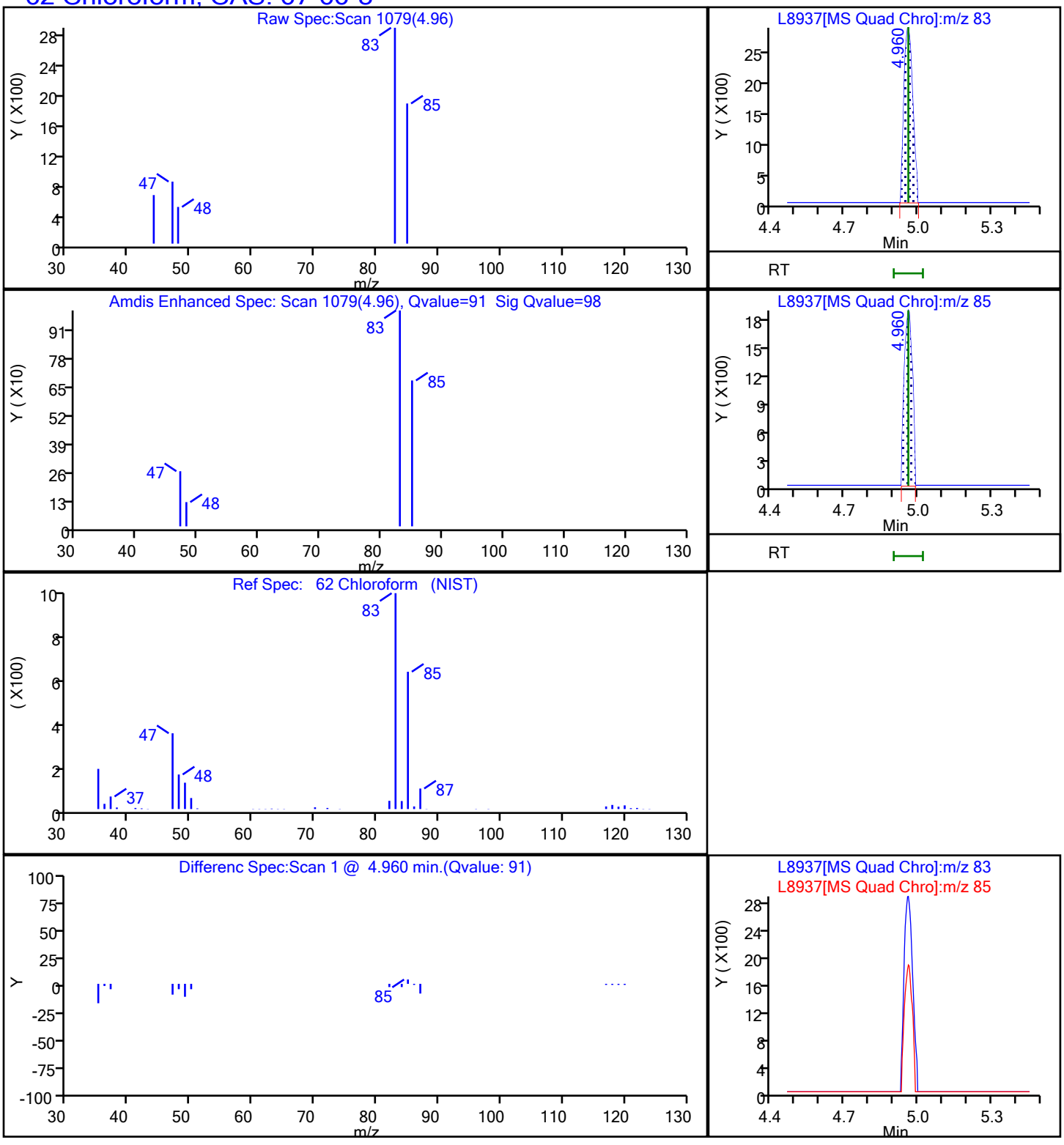
66 Carbon tetrachloride, CAS: 56-23-5



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8937.D
Injection Date: 28-Sep-2024 11:14:48 Instrument ID: HP5977L
Lims ID: 480-223784-A-2 Lab Sample ID: 480-223784-2
Client ID: GW-10S-09262024
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

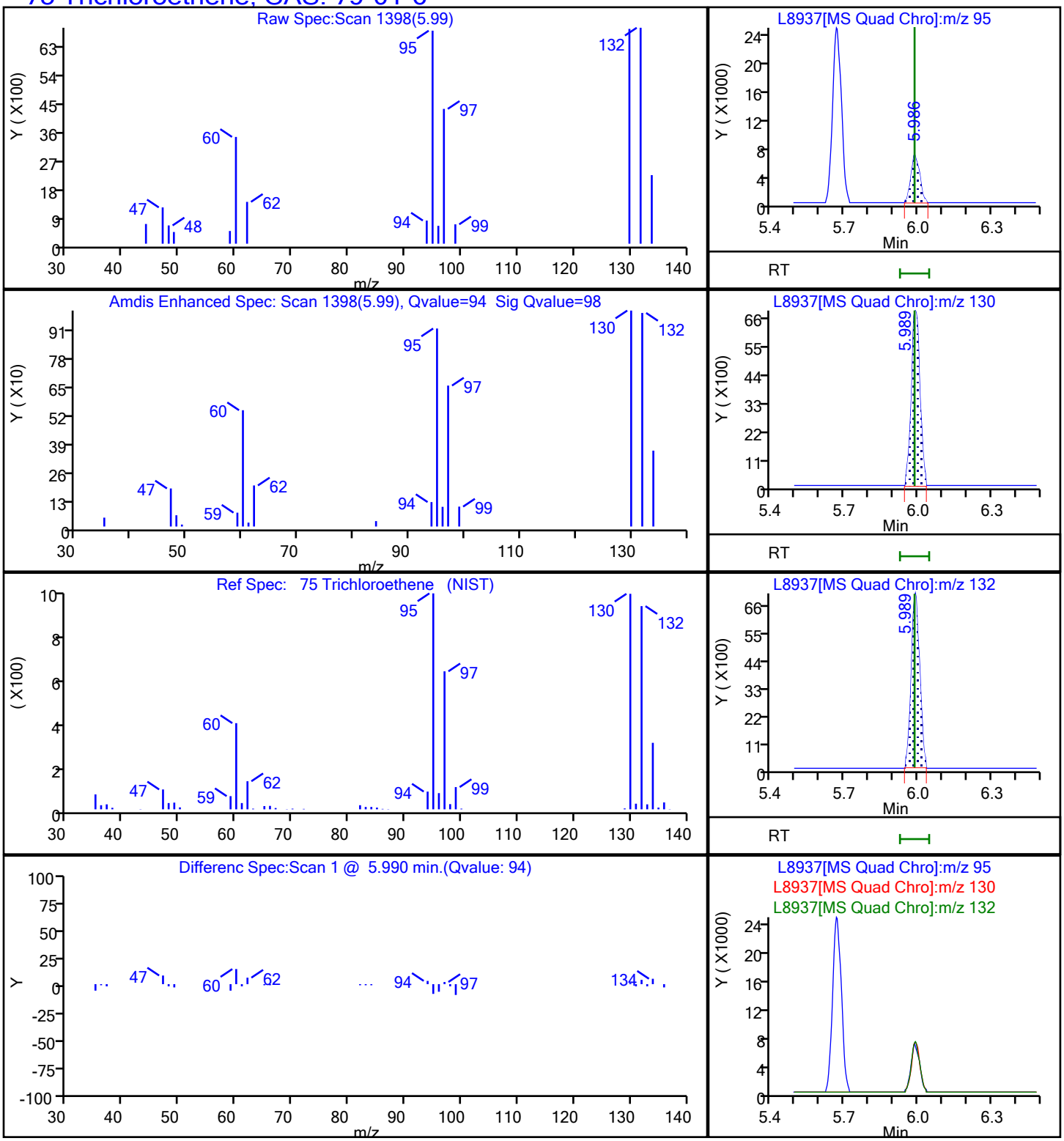
62 Chloroform, CAS: 67-66-3



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8937.D
Injection Date: 28-Sep-2024 11:14:48 Instrument ID: HP5977L
Lims ID: 480-223784-A-2 Lab Sample ID: 480-223784-2
Client ID: GW-10S-09262024
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

75 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Buffalo

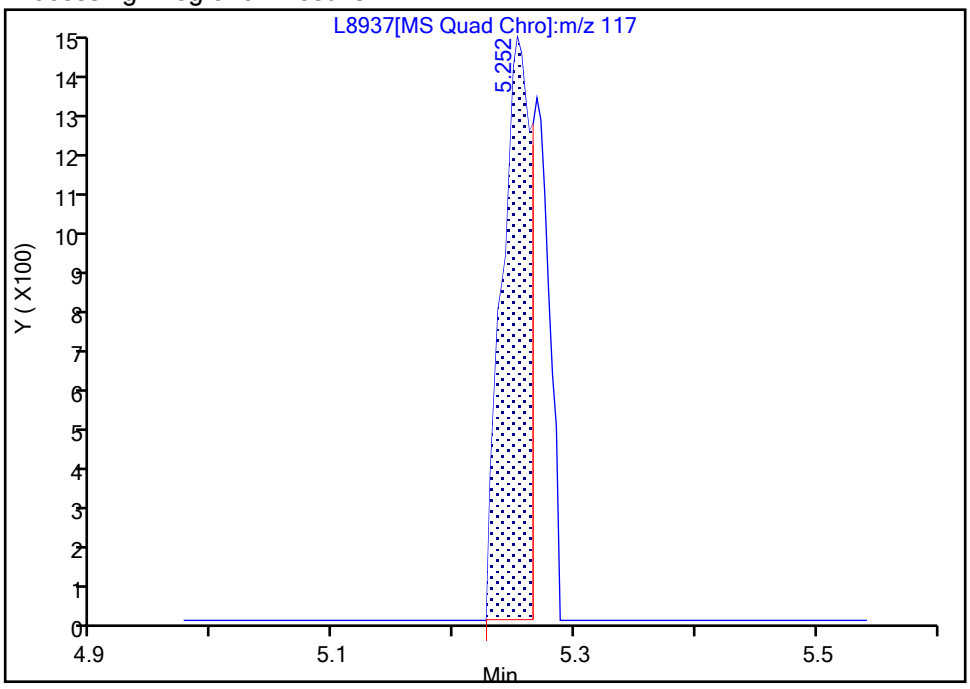
Data File:	\\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8937.D				
Injection Date:	28-Sep-2024 11:14:48	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-2	Lab Sample ID:	480-223784-2		
Client ID:	GW-10S-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

66 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

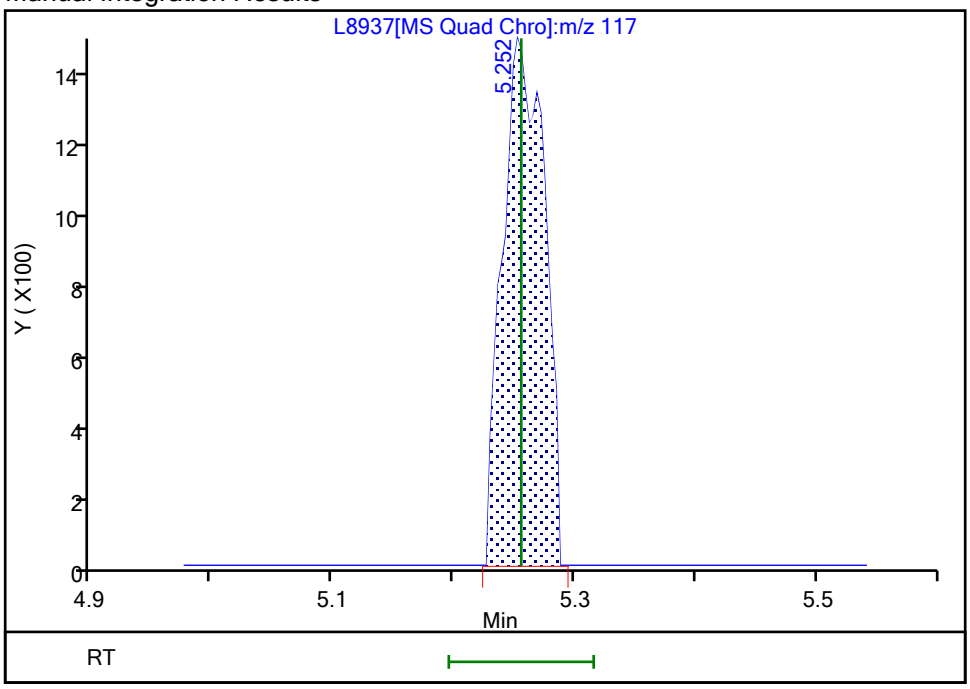
Processing Integration Results

RT: 5.25
Area: 2348
Amount: 0.249208
Amount Units: ug/L



Manual Integration Results

RT: 5.25
Area: 3378
Amount: 0.358528
Amount Units: ug/L



Reviewer: WLL8, 30-Sep-2024 13:54:27 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-DGC-4S-09262024 | Lab Sample ID: 480-223784-3

Matrix: Water | Lab File ID: L8938.D

Analysis Method: 8260C | Date Collected: 09/26/2024 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 11:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-DGC-4S-09262024 | Lab Sample ID: 480-223784-3

Matrix: Water | Lab File ID: L8938.D

Analysis Method: 8260C | Date Collected: 09/26/2024 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 11:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8938.D
Lims ID: 480-223784-A-3
Client ID: GW-DGC-45-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 11:39:26 ALS Bottle#: 0 Worklist Smp#: 46
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-3
Misc. Info.: 480-0120267-046
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:54:40 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:54:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.664	5.667	-0.003	99	127446	25.0	
* 2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	502899	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	271601	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.101	5.098	0.003	92	170900	25.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.397	5.394	0.003	98	207046	24.3	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	656713	25.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	98	193738	26.4	
10 Dichlorodifluoromethane	85		1.738				ND	
13 Chloromethane	50		1.957				ND	
14 Vinyl chloride	62		2.059				ND	
18 Bromomethane	94		2.410				ND	
19 Chloroethane	64		2.513				ND	
21 Trichlorofluoromethane	101		2.725				ND	
30 1,1-Dichloroethene	96		3.198				ND	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.201				ND	
31 Acetone	43		3.288				ND	
35 Carbon disulfide	76		3.416				ND	
38 Methyl acetate	43		3.551				ND	
39 Methylene Chloride	84		3.632				ND	7
42 trans-1,2-Dichloroethene	96		3.847				ND	
41 Methyl tert-butyl ether	73		3.863				ND	
50 1,1-Dichloroethane	63		4.204				ND	
58 cis-1,2-Dichloroethene	96		4.702				ND	
57 2-Butanone (MEK)	43		4.728				ND	
62 Chloroform	83		4.960				ND	
64 1,1,1-Trichloroethane	97		5.114				ND	
65 Cyclohexane	56		5.153				ND	
66 Carbon tetrachloride	117		5.255				ND	
70 Benzene	78		5.432				ND	
72 1,2-Dichloroethane	62		5.458				ND	
75 Trichloroethene	95		5.985				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.137				ND	
77 1,2-Dichloropropane	63		6.194				ND	
83 Dichlorobromomethane	83		6.445				ND	
85 cis-1,3-Dichloropropene	75		6.844				ND	
87 4-Methyl-2-pentanone (MIBK)	43		6.979				ND	
88 Toluene	92		7.153				ND	
91 trans-1,3-Dichloropropene	75		7.365				ND	
93 1,1,2-Trichloroethane	83		7.554				ND	
94 Tetrachloroethene	166		7.690				ND	
96 2-Hexanone	43		7.783				ND	
98 Chlorodibromomethane	129		7.963				ND	
101 Ethylene Dibromide	107		8.085				ND	
103 Chlorobenzene	112		8.561				ND	
104 Ethylbenzene	91		8.641				ND	
106 m-Xylene & p-Xylene	106		8.760				ND	
107 o-Xylene	106		9.188				ND	
109 Styrene	104		9.204				ND	
110 Bromoform	173		9.448				ND	
111 Isopropylbenzene	105		9.561				ND	
112 1,1,2,2-Tetrachloroethane	83		9.921				ND	
124 1,3-Dichlorobenzene	146		10.876				ND	
126 1,4-Dichlorobenzene	146		10.960				ND	
128 1,2-Dichlorobenzene	146		11.310				ND	
129 1,2-Dibromo-3-Chloropropane	75		11.988				ND	
130 1,2,4-Trichlorobenzene	180		12.644				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

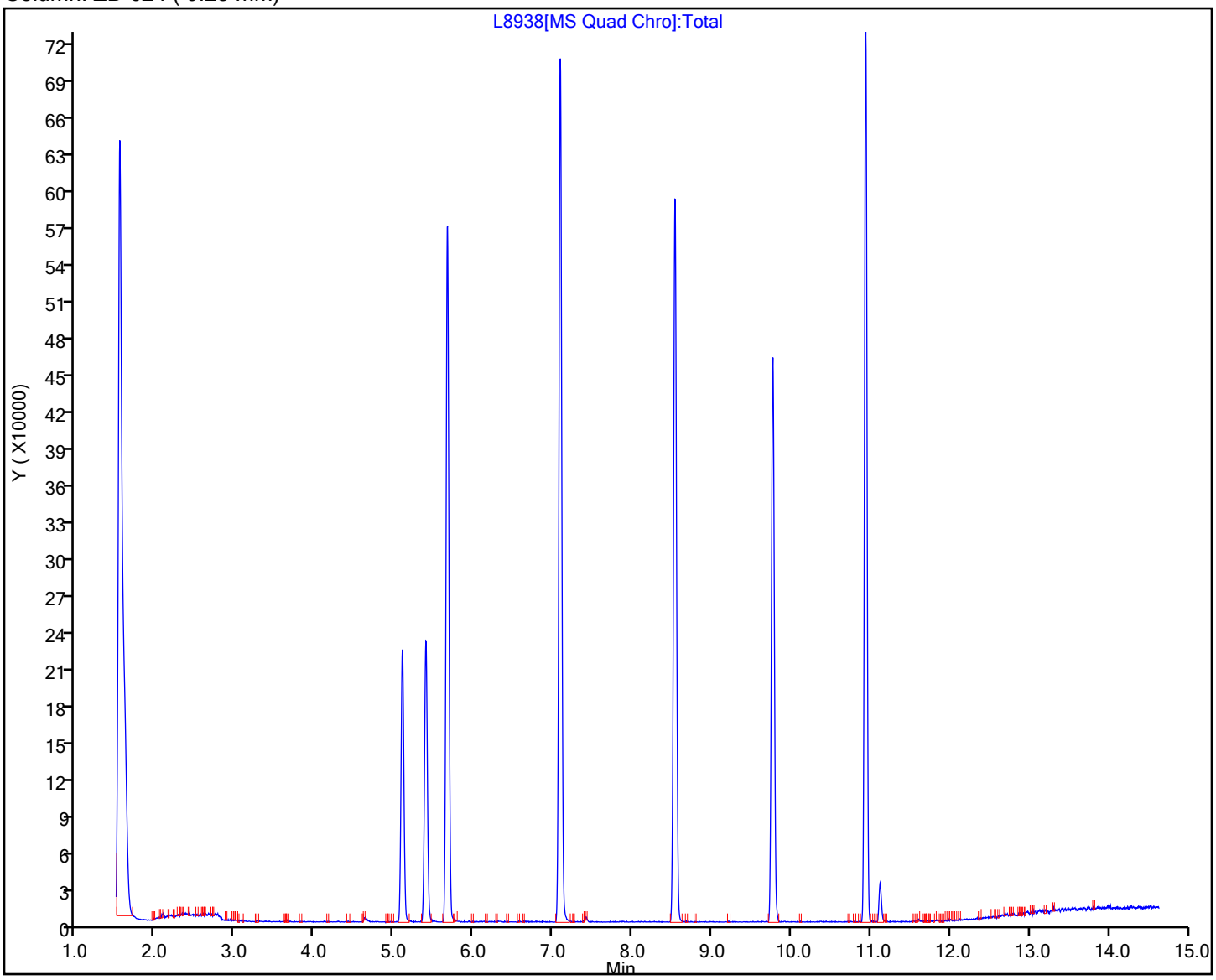
Report Date: 30-Sep-2024 13:54:58 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8938.D

Injection Date:	28-Sep-2024 11:39:26	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-3	Lab Sample ID:	480-223784-3		
Client ID:	GW-DGC-45-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8938.D
Lims ID: 480-223784-A-3
Client ID: GW-DGC-45-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 11:39:26 ALS Bottle#: 0 Worklist Smp#: 46
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-3
Misc. Info.: 480-0120267-046
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:54:40 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:54:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.8	103.06
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.3	97.29
$ 6 Toluene-d8 (Surr)	25.0	25.5	102.04
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.4	105.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-13S-09262024 | Lab Sample ID: 480-223784-4

Matrix: Water | Lab File ID: L8939.D

Analysis Method: 8260C | Date Collected: 09/26/2024 12:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 12:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.1		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-13S-09262024 | Lab Sample ID: 480-223784-4

Matrix: Water | Lab File ID: L8939.D

Analysis Method: 8260C | Date Collected: 09/26/2024 12:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 12:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	0.66	J	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8939.D
Lims ID: 480-223784-A-4
Client ID: GW-13S-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 12:03:37 ALS Bottle#: 0 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-4
Misc. Info.: 480-0120267-047
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:54:40 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:55:17

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
*	1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	129031	25.0	
*	2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	484390	25.0	
*	3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	263279	25.0	
$	4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	92	171428	25.5	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	99	208964	24.2	
$	6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	650804	26.2	
$	7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	98	182904	25.8	
	10 Dichlorodifluoromethane	85		1.738				ND	
	13 Chloromethane	50		1.957				ND	
	14 Vinyl chloride	62		2.059				ND	
	18 Bromomethane	94		2.410				ND	
	19 Chloroethane	64		2.513				ND	
	21 Trichlorofluoromethane	101		2.725				ND	
	30 1,1-Dichloroethene	96		3.198				ND	
	29 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.201				ND	
	31 Acetone	43		3.288				ND	
	35 Carbon disulfide	76		3.416				ND	
	38 Methyl acetate	43		3.551				ND	
	39 Methylene Chloride	84		3.632				ND	7
	42 trans-1,2-Dichloroethene	96		3.847				ND	
	41 Methyl tert-butyl ether	73		3.863				ND	
	50 1,1-Dichloroethane	63		4.204				ND	
	58 cis-1,2-Dichloroethene	96		4.702				ND	
	57 2-Butanone (MEK)	43		4.728				ND	
	62 Chloroform	83		4.960				ND	
	64 1,1,1-Trichloroethane	97		5.114				ND	
	65 Cyclohexane	56		5.153				ND	
	66 Carbon tetrachloride	117	5.256	5.252	0.001	97	10514	1.13	
	70 Benzene	78		5.432				ND	
	72 1,2-Dichloroethane	62		5.458				ND	
	75 Trichloroethene	95	5.992	5.985	0.007	92	5020	0.6584	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.137				ND	
77 1,2-Dichloropropane	63		6.194				ND	
83 Dichlorobromomethane	83		6.445				ND	
85 cis-1,3-Dichloropropene	75		6.844				ND	
87 4-Methyl-2-pentanone (MIBK)	43		6.979				ND	
88 Toluene	92		7.153				ND	
91 trans-1,3-Dichloropropene	75		7.365				ND	
93 1,1,2-Trichloroethane	83		7.554				ND	
94 Tetrachloroethene	166		7.690				ND	
96 2-Hexanone	43		7.783				ND	
98 Chlorodibromomethane	129		7.963				ND	
101 Ethylene Dibromide	107		8.085				ND	
103 Chlorobenzene	112		8.561				ND	
104 Ethylbenzene	91		8.641				ND	
106 m-Xylene & p-Xylene	106		8.760				ND	
107 o-Xylene	106		9.188				ND	
109 Styrene	104		9.204				ND	
110 Bromoform	173		9.448				ND	
111 Isopropylbenzene	105		9.561				ND	
112 1,1,2,2-Tetrachloroethane	83		9.921				ND	
124 1,3-Dichlorobenzene	146		10.876				ND	
126 1,4-Dichlorobenzene	146		10.960				ND	
128 1,2-Dichlorobenzene	146		11.310				ND	
129 1,2-Dibromo-3-Chloropropane	75		11.988				ND	
130 1,2,4-Trichlorobenzene	180		12.644				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

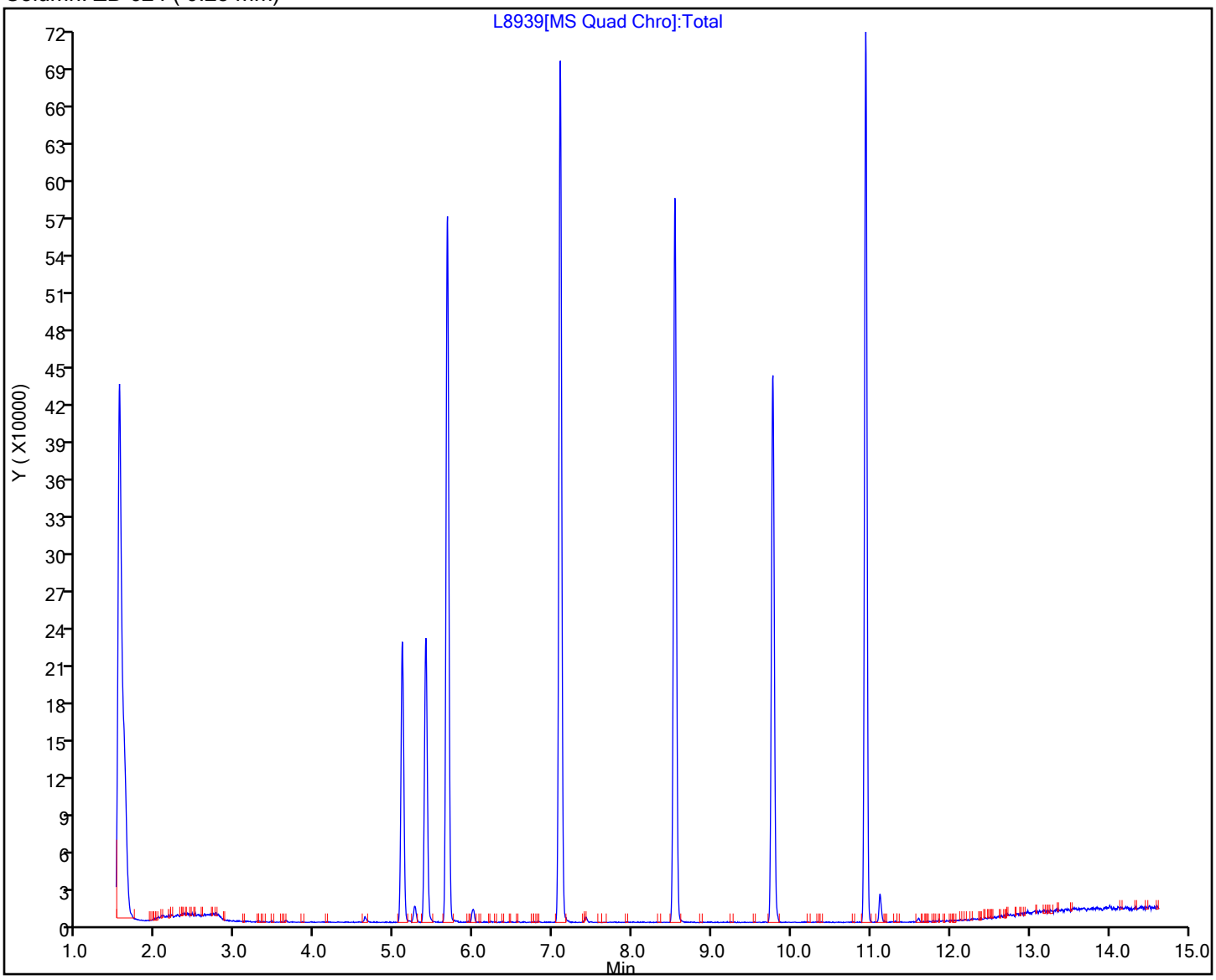
Report Date: 30-Sep-2024 13:55:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8939.D

Injection Date:	28-Sep-2024 12:03:37	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-4	Lab Sample ID:	480-223784-4		
Client ID:	GW-13S-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	47
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8939.D
Lims ID: 480-223784-A-4
Client ID: GW-13S-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 12:03:37 ALS Bottle#: 0 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-4
Misc. Info.: 480-0120267-047
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:54:40 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:55:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.5	102.11
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.2	96.99
$ 6 Toluene-d8 (Surr)	25.0	26.2	104.99
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.8	103.32

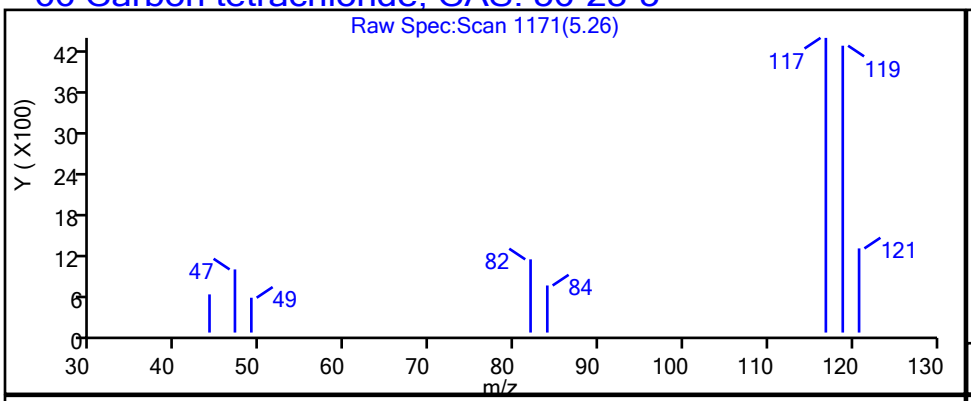
Report Date: 30-Sep-2024 13:55:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

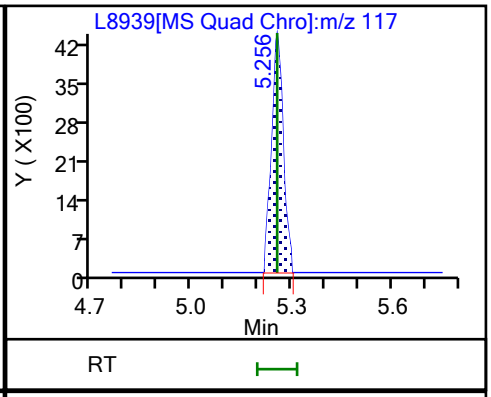
Eurofins Buffalo

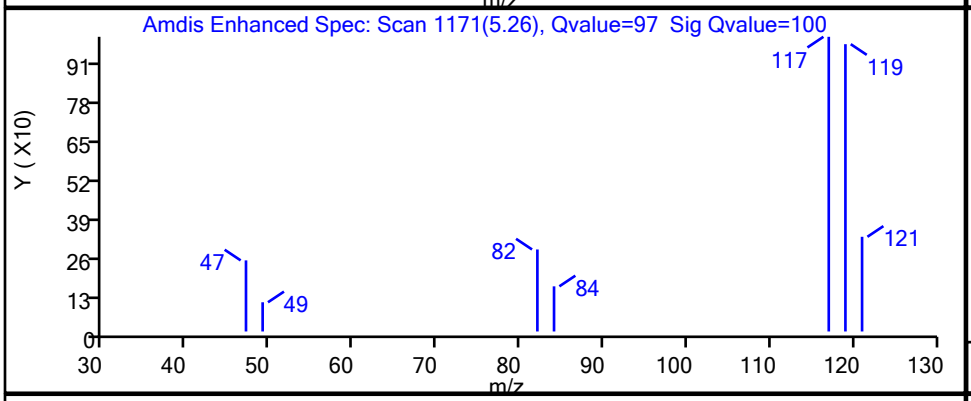
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8939.D

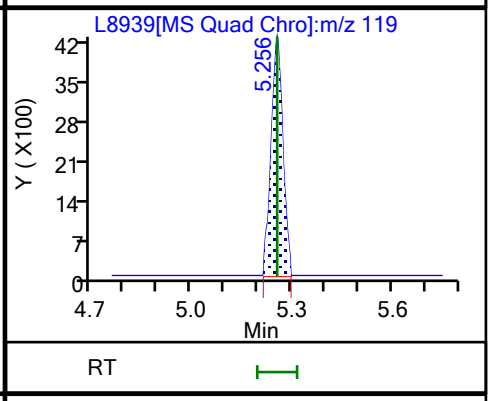
Injection Date:	28-Sep-2024 12:03:37	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-4	Lab Sample ID:	480-223784-4		
Client ID:	GW-13S-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	47
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

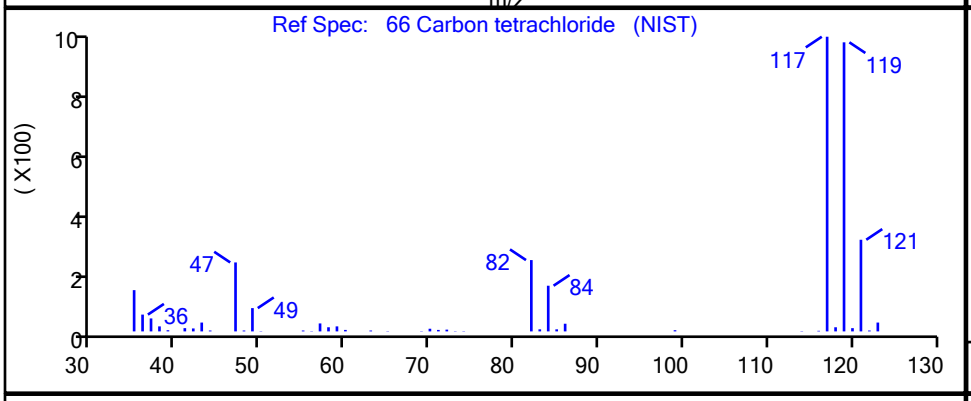
66 Carbon tetrachloride, CAS: 56-23-5

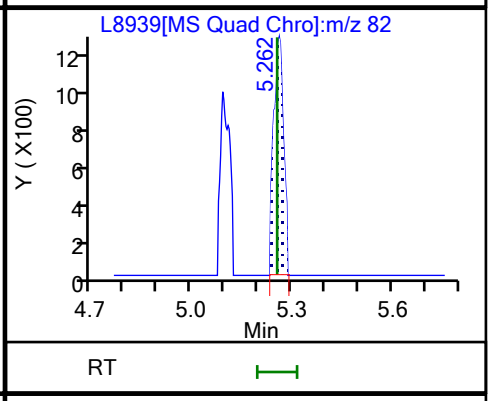


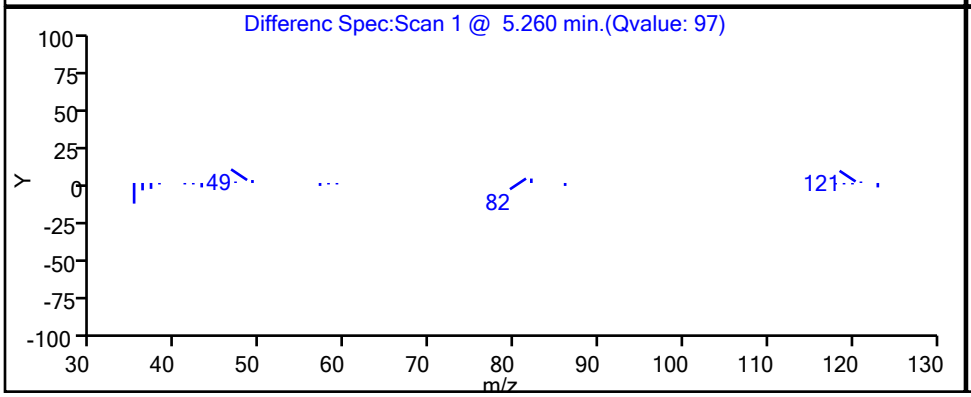


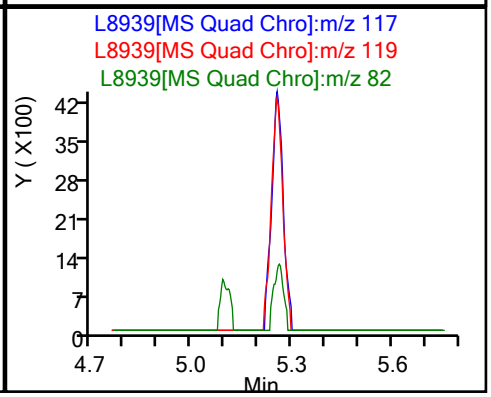








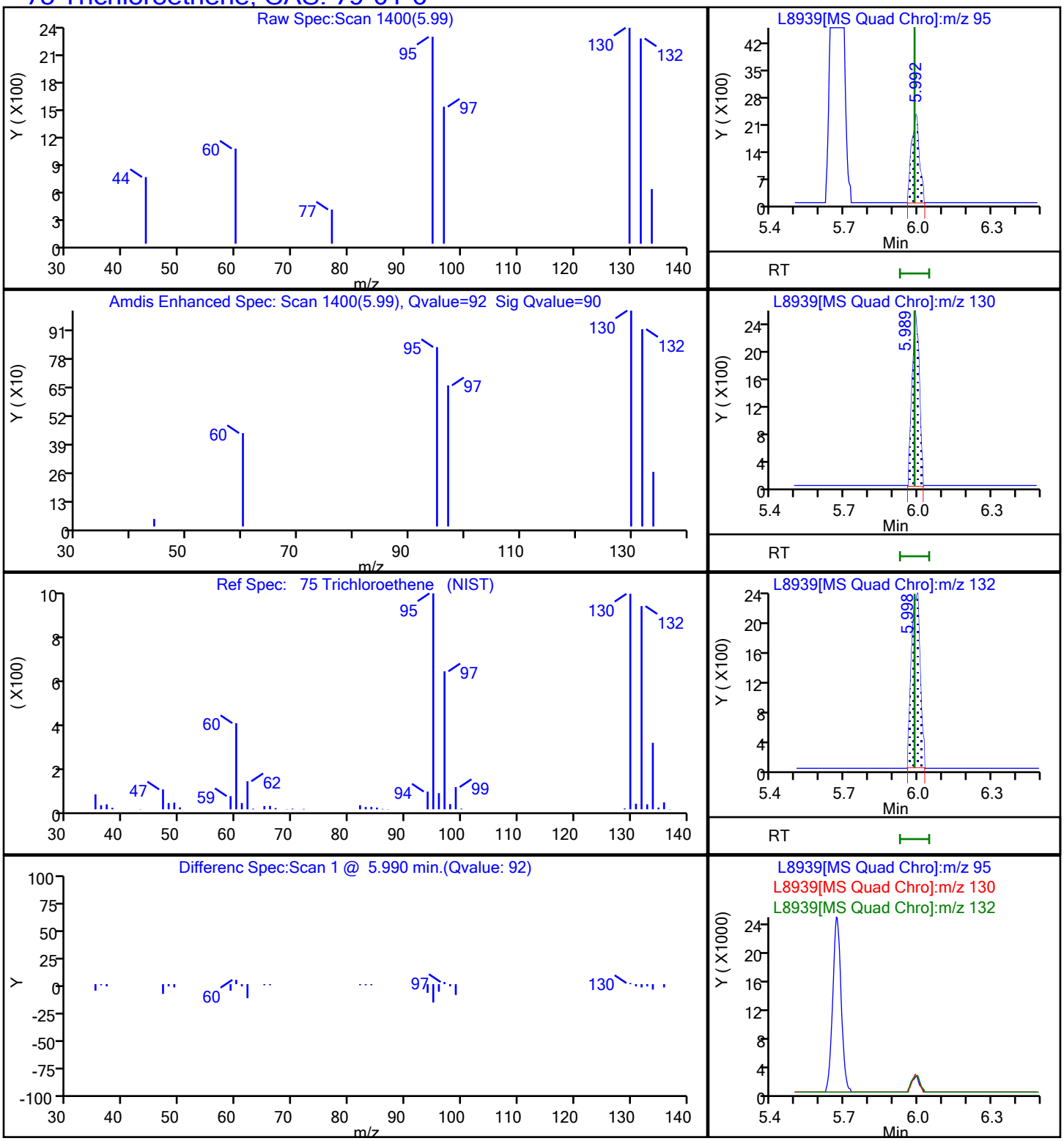




Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8939.D
Injection Date: 28-Sep-2024 12:03:37 Instrument ID: HP5977L
Lims ID: 480-223784-A-4 Lab Sample ID: 480-223784-4
Client ID: GW-13S-09262024
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

75 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-24DR-09262024 | Lab Sample ID: 480-223784-5

Matrix: Water | Lab File ID: L8940.D

Analysis Method: 8260C | Date Collected: 09/26/2024 13:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 12:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	2.8		1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.83	J	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-24DR-09262024 | Lab Sample ID: 480-223784-5

Matrix: Water | Lab File ID: L8940.D

Analysis Method: 8260C | Date Collected: 09/26/2024 13:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 12:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	4.6		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8940.D
Lims ID: 480-223784-A-5
Client ID: GW-M-24DR-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 12:28:12 ALS Bottle#: 0 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-5
Misc. Info.: 480-0120267-048
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:55:42 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:55:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
*	1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	126819	25.0	
*	2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	499210	25.0	
*	3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	269867	25.0	
$	4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	92	168568	25.5	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.397	5.394	0.003	98	207476	24.5	
$	6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	643258	25.2	
$	7 4-Bromofluorobenzene (Surr)	174	9.766	9.764	0.002	98	191399	26.2	
	10 Dichlorodifluoromethane	85		1.738				ND	
	13 Chloromethane	50		1.957				ND	
	14 Vinyl chloride	62		2.059				ND	
	18 Bromomethane	94		2.410				ND	
	19 Chloroethane	64		2.513				ND	
	21 Trichlorofluoromethane	101		2.725				ND	
	30 1,1-Dichloroethene	96		3.198				ND	
	29 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.201				ND	
	31 Acetone	43	3.291	3.288	0.003	96	7433	2.12	
	35 Carbon disulfide	76		3.416				ND	
	38 Methyl acetate	43		3.551				ND	
	39 Methylene Chloride	84		3.632				ND	7
	42 trans-1,2-Dichloroethene	96		3.847				ND	
	41 Methyl tert-butyl ether	73		3.863				ND	
	50 1,1-Dichloroethane	63		4.204				ND	
	58 cis-1,2-Dichloroethene	96		4.702				ND	
	57 2-Butanone (MEK)	43		4.728				ND	U
	62 Chloroform	83	4.959	4.960	-0.001	92	10969	0.8278	
	64 1,1,1-Trichloroethane	97		5.114				ND	
	65 Cyclohexane	56		5.153				ND	
	66 Carbon tetrachloride	117	5.262	5.252	0.007	97	25845	2.83	
	70 Benzene	78		5.432				ND	
	72 1,2-Dichloroethane	62		5.458				ND	
	75 Trichloroethene	95	5.988	5.985	0.003	97	34700	4.63	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.137				ND	
77 1,2-Dichloropropane	63		6.194				ND	
83 Dichlorobromomethane	83		6.445				ND	
85 cis-1,3-Dichloropropene	75		6.844				ND	
87 4-Methyl-2-pentanone (MIBK)	43		6.979				ND	
88 Toluene	92		7.153				ND	
91 trans-1,3-Dichloropropene	75		7.365				ND	
93 1,1,2-Trichloroethane	83		7.554				ND	
94 Tetrachloroethene	166		7.690				ND	
96 2-Hexanone	43		7.783				ND	
98 Chlorodibromomethane	129		7.963				ND	
101 Ethylene Dibromide	107		8.085				ND	
103 Chlorobenzene	112		8.561				ND	
104 Ethylbenzene	91		8.641				ND	
106 m-Xylene & p-Xylene	106		8.760				ND	
107 o-Xylene	106		9.188				ND	
109 Styrene	104		9.204				ND	
110 Bromoform	173		9.448				ND	
111 Isopropylbenzene	105		9.561				ND	
112 1,1,2,2-Tetrachloroethane	83		9.921				ND	
124 1,3-Dichlorobenzene	146		10.876				ND	
126 1,4-Dichlorobenzene	146		10.960				ND	
128 1,2-Dichlorobenzene	146		11.310				ND	
129 1,2-Dibromo-3-Chloropropane	75		11.988				ND	
130 1,2,4-Trichlorobenzene	180		12.644				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

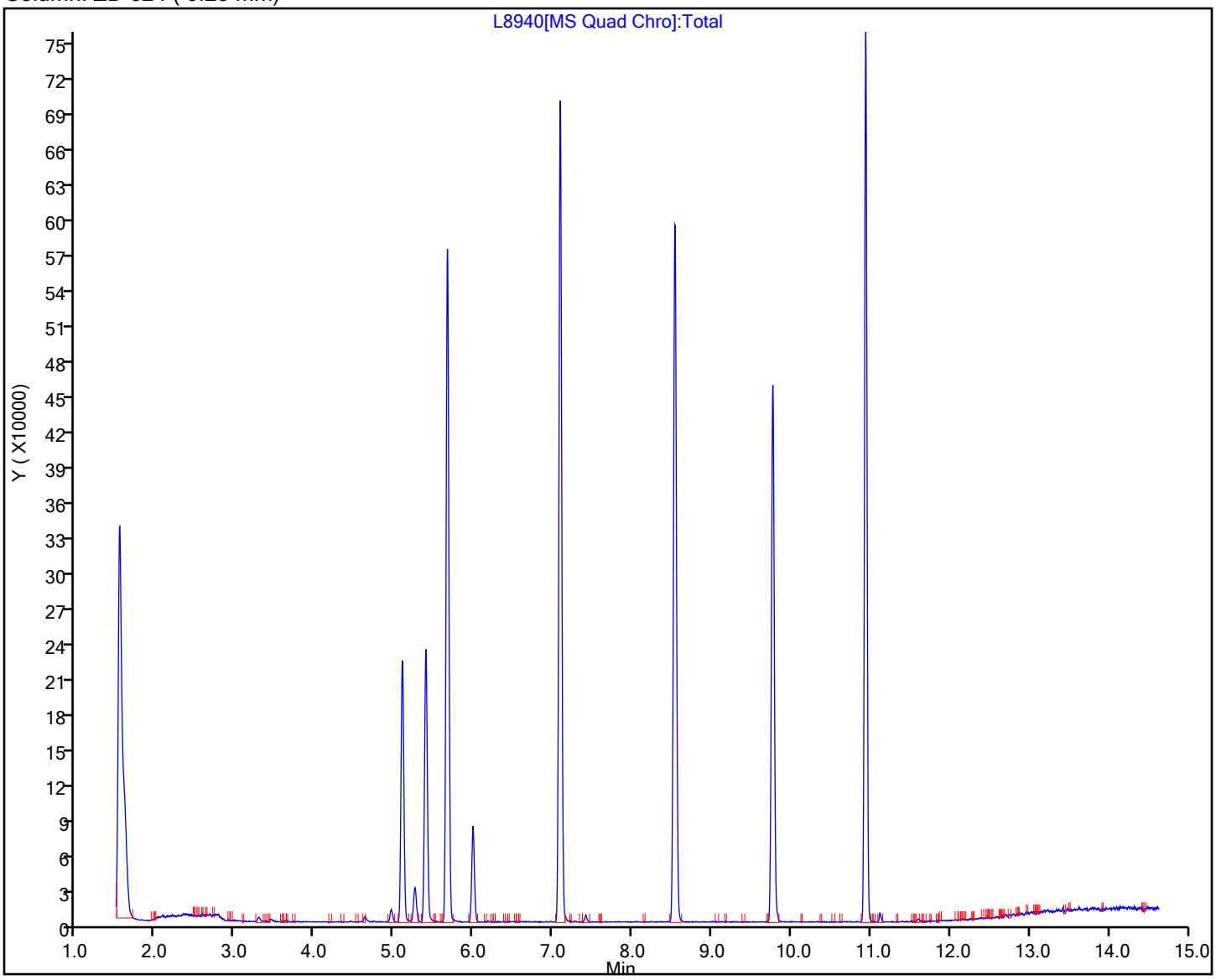
Report Date: 30-Sep-2024 13:55:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8940.D

Injection Date:	28-Sep-2024 12:28:12	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-5	Lab Sample ID:	480-223784-5		
Client ID:	GW-M-24DR-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	48
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8940.D
Lims ID: 480-223784-A-5
Client ID: GW-M-24DR-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 12:28:12 ALS Bottle#: 0 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-5
Misc. Info.: 480-0120267-048
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:55:42 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

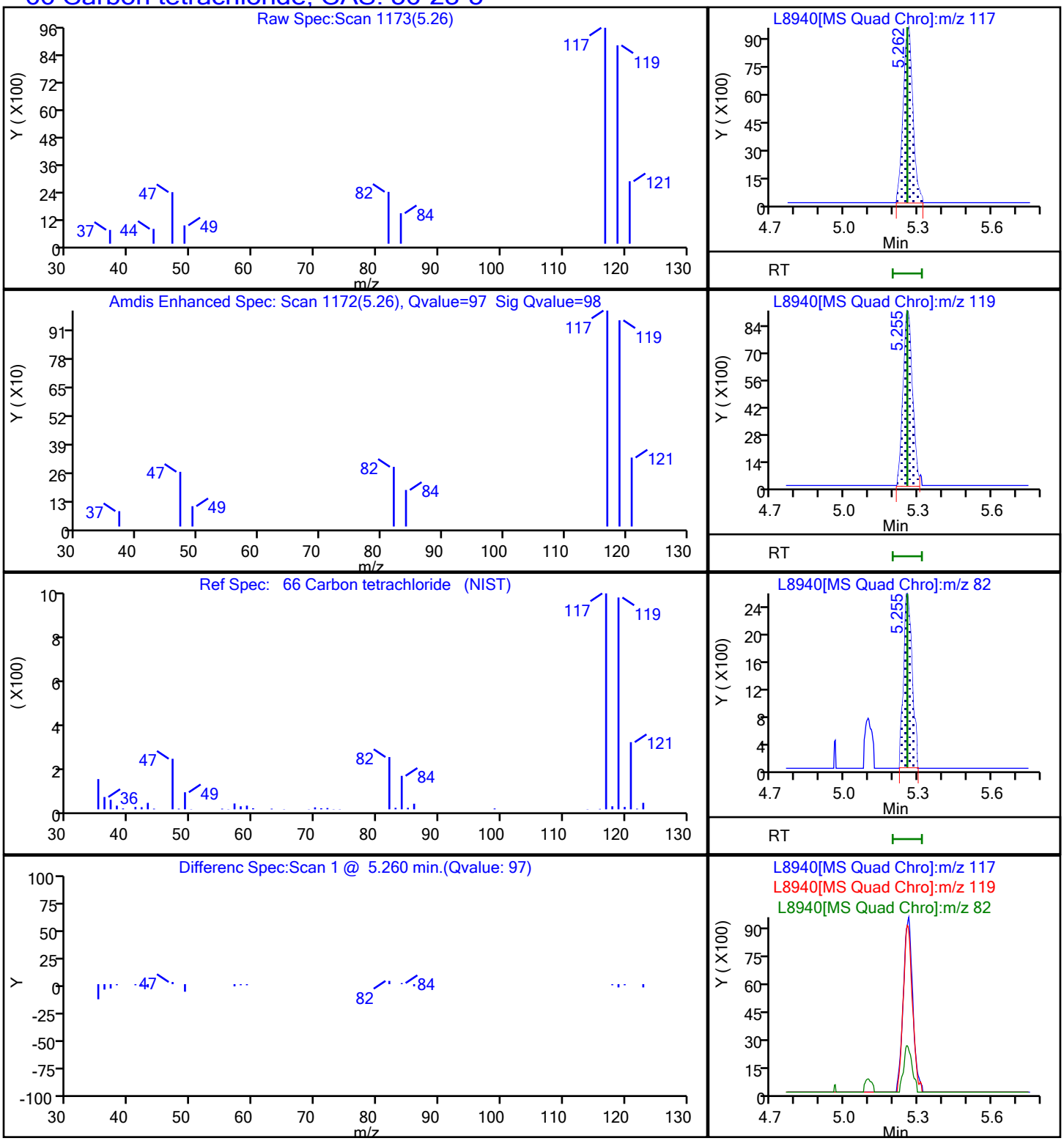
First Level Reviewer: WLL8 Date: 30-Sep-2024 13:55:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.5	102.16
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.5	97.98
$ 6 Toluene-d8 (Surr)	25.0	25.2	100.69
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.2	104.91

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8940.D
Injection Date: 28-Sep-2024 12:28:12 Instrument ID: HP5977L
Lims ID: 480-223784-A-5 Lab Sample ID: 480-223784-5
Client ID: GW-M-24DR-09262024
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

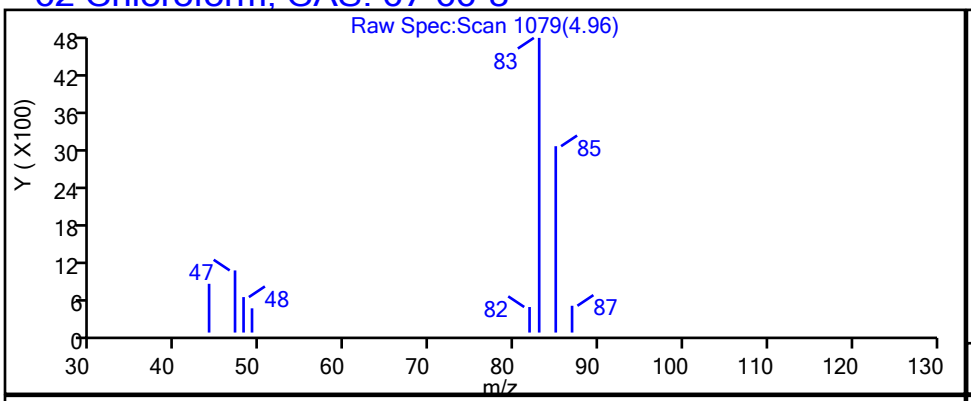
66 Carbon tetrachloride, CAS: 56-23-5

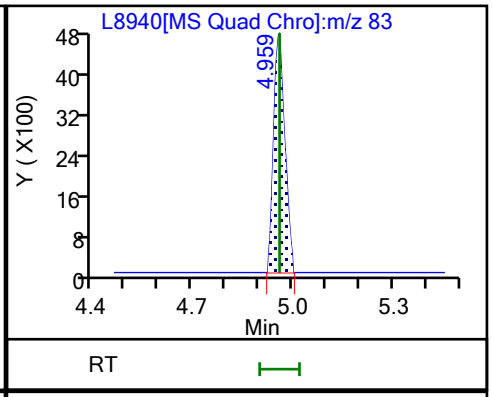


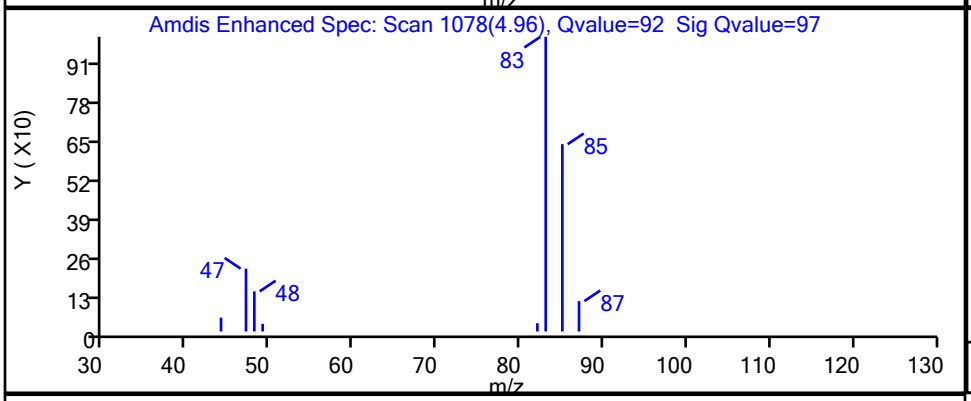
Eurofins Buffalo

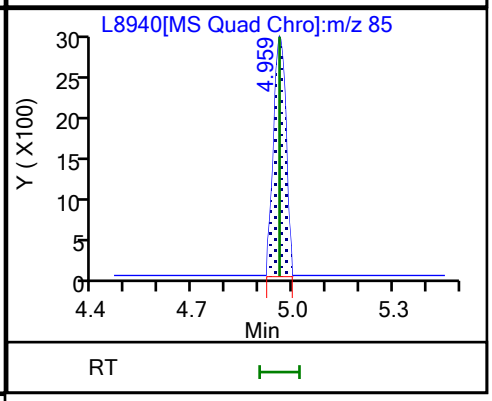
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8940.D
Injection Date: 28-Sep-2024 12:28:12 Instrument ID: HP5977L
Lims ID: 480-223784-A-5 Lab Sample ID: 480-223784-5
Client ID: GW-M-24DR-09262024
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

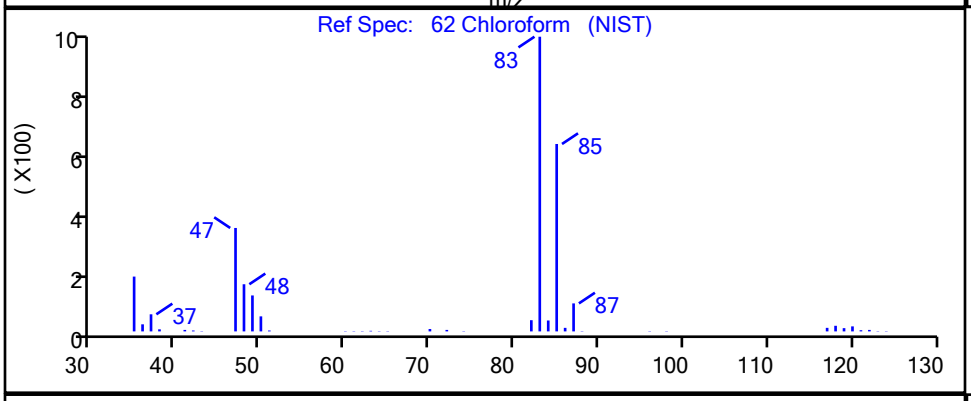
62 Chloroform, CAS: 67-66-3

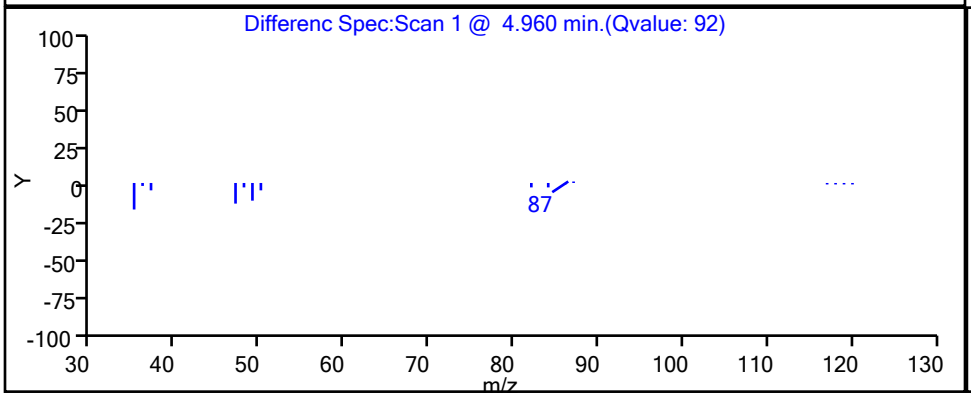


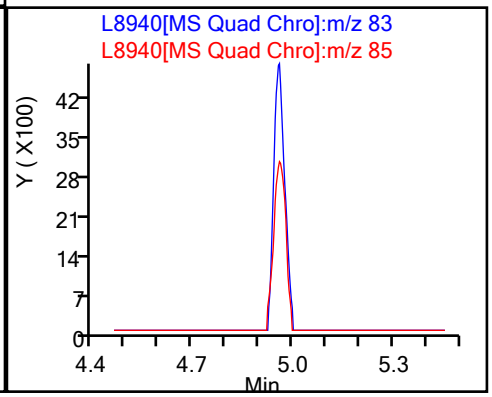








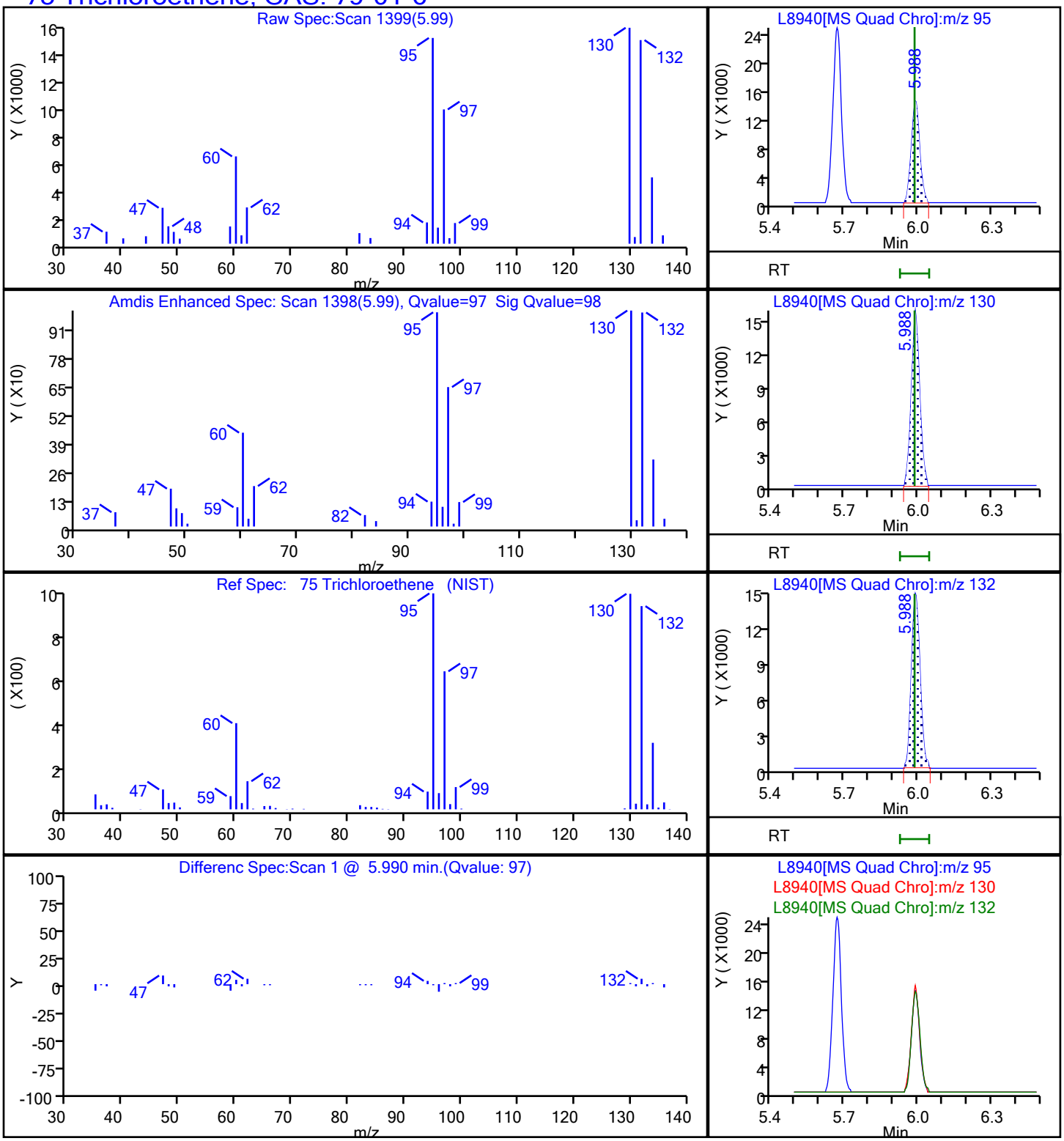




Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8940.D
Injection Date: 28-Sep-2024 12:28:12 Instrument ID: HP5977L
Lims ID: 480-223784-A-5 Lab Sample ID: 480-223784-5
Client ID: GW-M-24DR-09262024
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

75 Trichloroethene, CAS: 79-01-6



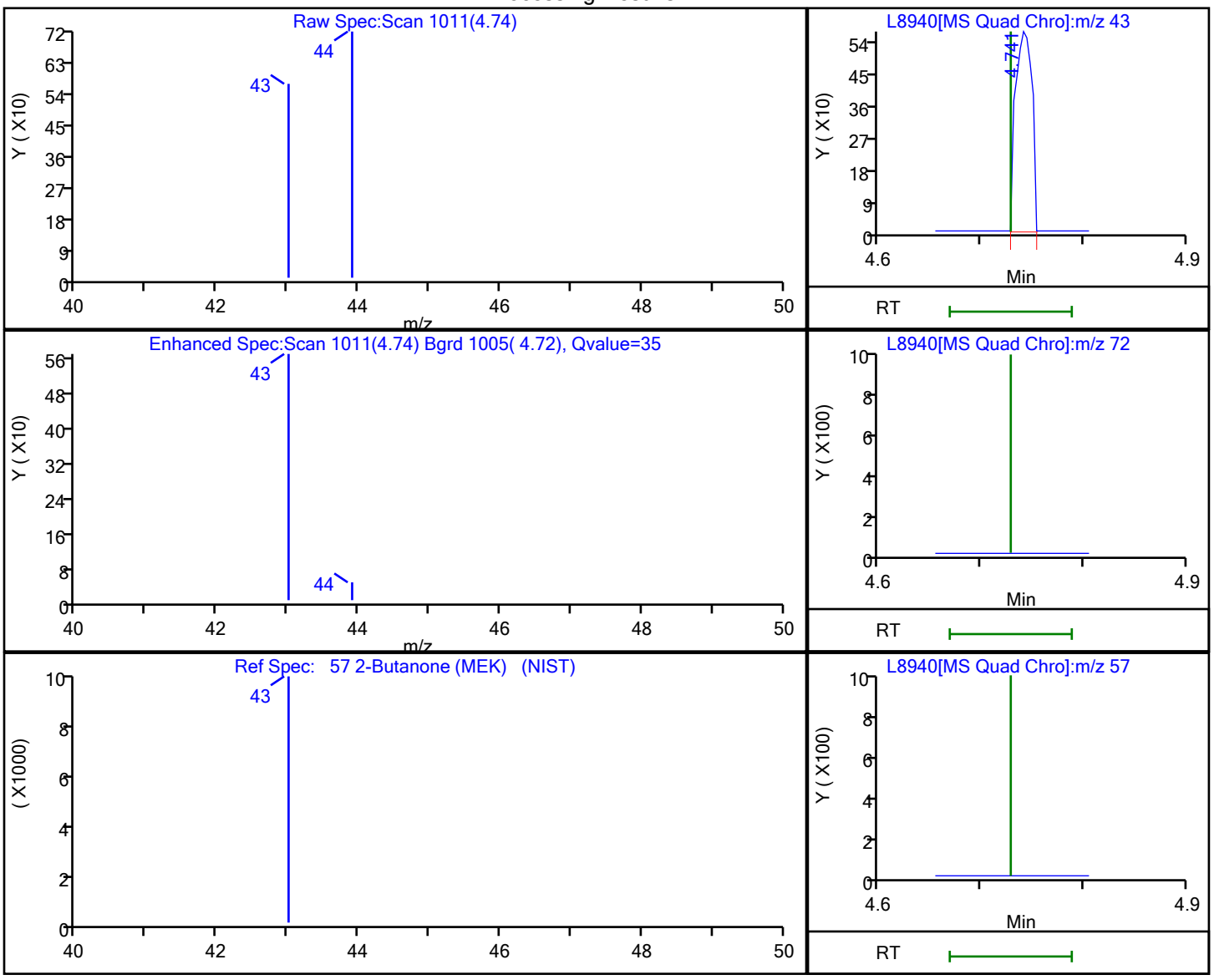
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8940.D
Injection Date: 28-Sep-2024 12:28:12 Instrument ID: HP5977L
Lims ID: 480-223784-A-5 Lab Sample ID: 480-223784-5
Client ID: GW-M-24DR-09262024
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

57 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.74	43.00	639	0.109724
4.73	72.00	0	
4.73	57.00	0	

Reviewer: WLL8, 30-Sep-2024 13:55:30 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-4-09262024 | Lab Sample ID: 480-223784-6

Matrix: Water | Lab File ID: L8941.D

Analysis Method: 8260C | Date Collected: 09/26/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 12:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-4-09262024 | Lab Sample ID: 480-223784-6

Matrix: Water | Lab File ID: L8941.D

Analysis Method: 8260C | Date Collected: 09/26/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 12:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8941.D
Lims ID: 480-223784-A-6
Client ID: TB-4-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 12:52:22 ALS Bottle#: 0 Worklist Smp#: 49
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-6
Misc. Info.: 480-0120267-049
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:56:17 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:56:17

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
*	1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	123955	25.0	
*	2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	474025	25.0	
*	3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	259687	25.0	
$	4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	163029	25.3	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	99	199020	24.0	
$	6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	638844	26.3	
$	7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	97	192023	27.7	
	10 Dichlorodifluoromethane	85		1.738				ND	
	13 Chloromethane	50		1.957				ND	
	14 Vinyl chloride	62		2.059				ND	
	18 Bromomethane	94		2.410				ND	
	19 Chloroethane	64		2.513				ND	
	21 Trichlorofluoromethane	101		2.725				ND	
	30 1,1-Dichloroethene	96		3.198				ND	
	29 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.201				ND	
	31 Acetone	43		3.288				ND	U
	35 Carbon disulfide	76		3.416				ND	
	38 Methyl acetate	43		3.551				ND	
	39 Methylene Chloride	84		3.632				ND	7
	42 trans-1,2-Dichloroethene	96		3.847				ND	
	41 Methyl tert-butyl ether	73		3.863				ND	
	50 1,1-Dichloroethane	63		4.204				ND	
	58 cis-1,2-Dichloroethene	96		4.702				ND	
	57 2-Butanone (MEK)	43		4.728				ND	
	62 Chloroform	83		4.960				ND	
	64 1,1,1-Trichloroethane	97		5.114				ND	
	65 Cyclohexane	56		5.153				ND	
	66 Carbon tetrachloride	117		5.255				ND	
	70 Benzene	78		5.432				ND	
	72 1,2-Dichloroethane	62		5.458				ND	
	75 Trichloroethene	95		5.985				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.137				ND	
77 1,2-Dichloropropane	63		6.194				ND	
83 Dichlorobromomethane	83		6.445				ND	
85 cis-1,3-Dichloropropene	75		6.844				ND	
87 4-Methyl-2-pentanone (MIBK)	43		6.979				ND	
88 Toluene	92		7.153				ND	
91 trans-1,3-Dichloropropene	75		7.365				ND	
93 1,1,2-Trichloroethane	83		7.554				ND	
94 Tetrachloroethene	166		7.690				ND	
96 2-Hexanone	43		7.783				ND	
98 Chlorodibromomethane	129		7.963				ND	
101 Ethylene Dibromide	107		8.085				ND	
103 Chlorobenzene	112		8.561				ND	
104 Ethylbenzene	91		8.641				ND	
106 m-Xylene & p-Xylene	106		8.760				ND	
107 o-Xylene	106		9.188				ND	
109 Styrene	104		9.204				ND	
110 Bromoform	173		9.448				ND	
111 Isopropylbenzene	105		9.561				ND	
112 1,1,2,2-Tetrachloroethane	83		9.921				ND	
124 1,3-Dichlorobenzene	146		10.876				ND	
126 1,4-Dichlorobenzene	146		10.960				ND	
128 1,2-Dichlorobenzene	146		11.310				ND	
129 1,2-Dibromo-3-Chloropropane	75		11.988				ND	
130 1,2,4-Trichlorobenzene	180		12.644				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

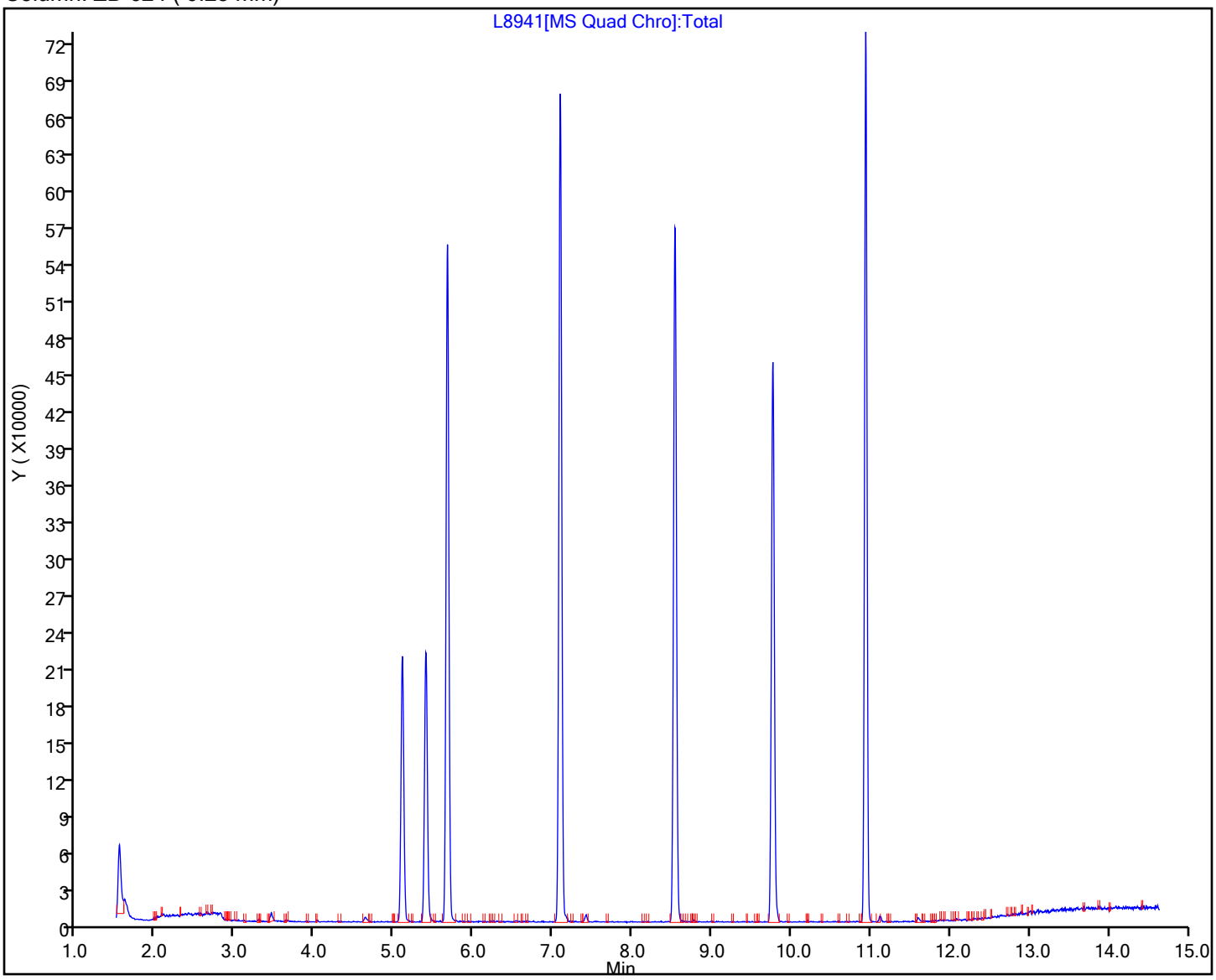
Report Date: 30-Sep-2024 13:56:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8941.D

Injection Date:	28-Sep-2024 12:52:22	Instrument ID:	HP5977L		
Lims ID:	480-223784-A-6	Lab Sample ID:	480-223784-6		
Client ID:	TB-4-09262024				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	49
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8941.D
Lims ID: 480-223784-A-6
Client ID: TB-4-09262024
Sample Type: Client
Inject. Date: 28-Sep-2024 12:52:22 ALS Bottle#: 0 Worklist Smp#: 49
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-6
Misc. Info.: 480-0120267-049
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:56:17 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:56:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.3	101.08
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.0	96.16
$ 6 Toluene-d8 (Surr)	25.0	26.3	105.31
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.7	110.84

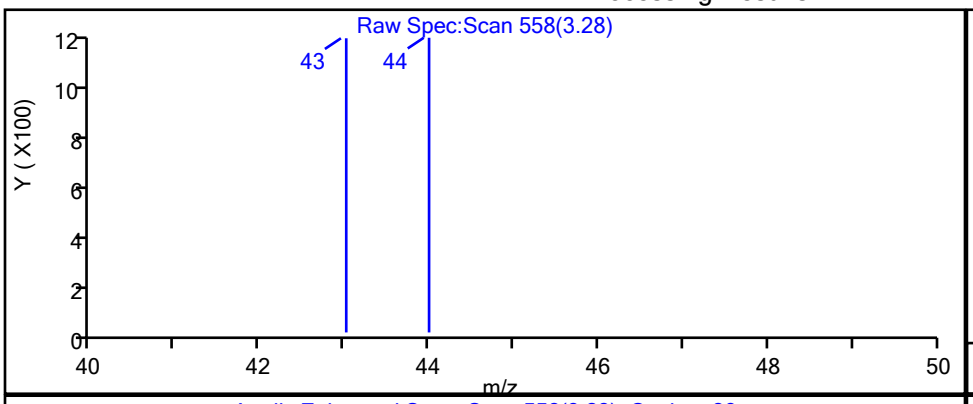
User Disabled Compound Report

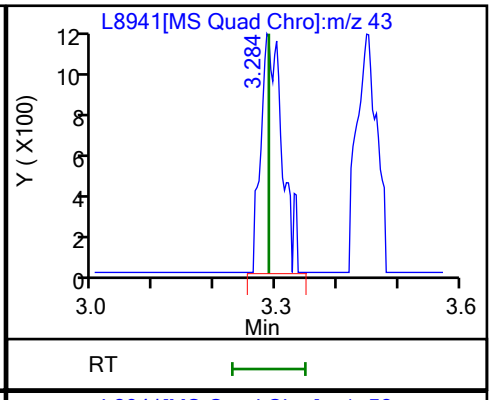
Eurofins Buffalo

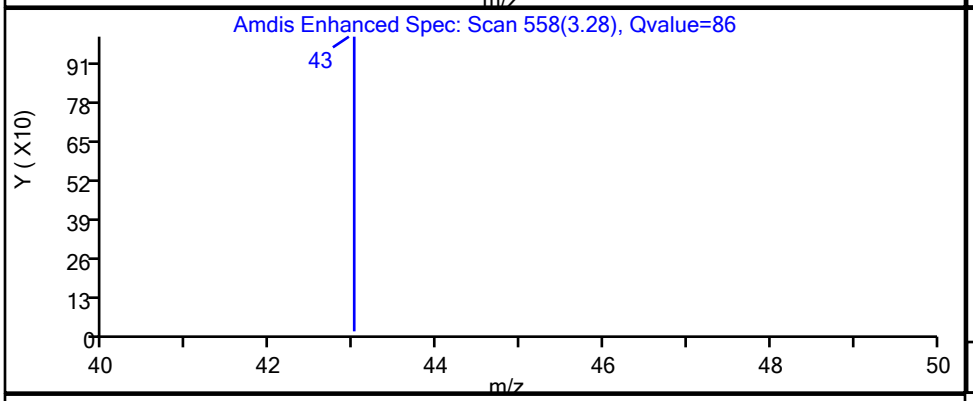
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8941.D
Injection Date: 28-Sep-2024 12:52:22 Instrument ID: HP5977L
Lims ID: 480-223784-A-6 Lab Sample ID: 480-223784-6
Client ID: TB-4-09262024
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 49
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

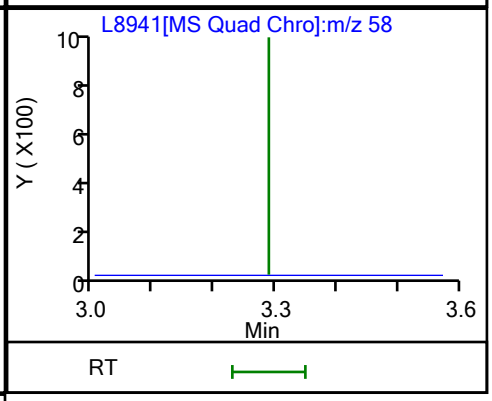
31 Acetone, CAS: 67-64-1

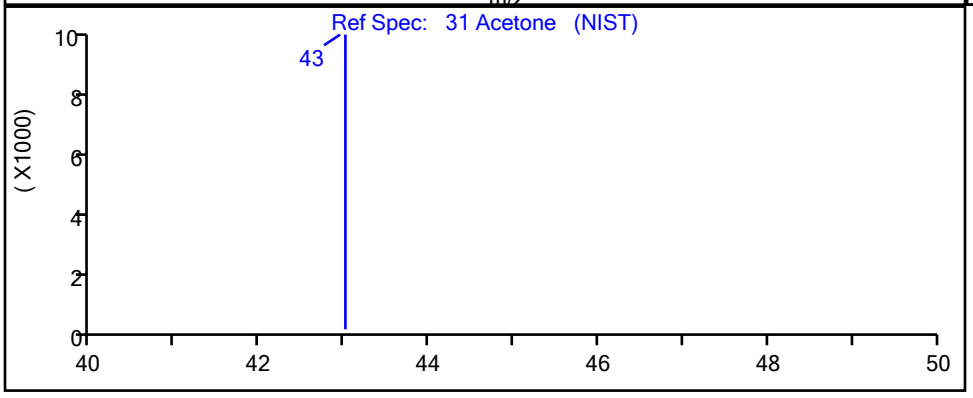
Processing Results











RT	Mass	Response	Amount
3.28	43.00	2723	0.794597
3.29	58.00	0	

Reviewer: WLL8, 30-Sep-2024 13:56:01 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 Calibration End Date: 09/09/2024 23:56 Calibration ID: 47217

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-724422/13	S1899.d
Level 2	IC 480-724422/14	S1900.d
Level 3	IC 480-724422/15	S1901.d
Level 4	IC 480-724422/16	S1902.d
Level 5	IC 480-724422/17	S1903.d
Level 6	ICIS 480-724422/18	S1904.d
Level 7	IC 480-724422/19	S1905.d
Level 8	IC 480-724422/20	S1906.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.0498 1.3266	0.5859 1.2314	1.2916 1.2603	1.2805	1.4624	Lin1	-0.187	1.2764			0.1000	18.5			0.9970		0.9900
Chloromethane	1.5044 1.6022	1.3573 1.6248	1.8609 1.5043	1.7182	1.8499	Ave		1.6277			0.1000	10.8		20.0			
Vinyl chloride	1.1804 1.2242	0.8214 1.2159	1.3164 1.1378	1.3256	1.3701	Ave		1.1990			0.1000	14.3		20.0			
Butadiene	0.9180 1.2036	0.6244 1.1837	1.0791 +++++	1.2861	1.3052	Lin1	-0.235	1.2154				15.8			0.9970		0.9900
Bromomethane	0.8009 0.8006	0.7003 0.7985	1.0005 0.7543	0.8552	0.8918	Ave		0.8253			0.1000	11.1		20.0			
Chloroethane	0.9497 0.8184	0.5934 0.7994	1.0081 0.7802	0.8197	0.9591	Ave		0.8410			0.1000	15.7		20.0			
Trichlorofluoromethane	1.1748 1.7365	0.9119 1.6622	1.7171 1.6538	1.7918	1.9476	Lin1	-0.241	1.6909			0.1000	15.6			0.9970		0.9900
Dichlorofluoromethane	2.0370 2.1677	1.5894 2.1096	2.5387 2.0471	2.2633	2.4352	Ave		2.1485				13.5		20.0			
Ethyl ether	1.5818 1.2416	1.4559 1.1830	1.4132 1.1162	1.2909	1.4219	Ave		1.3381				11.7		20.0			
Acrolein	0.2332 0.2077	0.2466 0.2033	0.2363 0.1985	0.2103	0.2435	Ave		0.2224				8.7		20.0			
1,1-Dichloroethene	0.7727 1.0241	0.6343 0.9831	1.1870 0.9954	1.0767	1.1589	Ave		0.9790			0.1000	19.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3228 0.9491	0.2851 0.9248	1.0097 0.9640	0.9185	1.0633	Lin1	-0.331	0.9649			0.1000	18.2			0.9970		0.9900
Acetone	0.9077 0.6673	0.8343 0.6055	0.8110 0.5824	0.7023	0.6564	Ave		0.7209			0.1000	16.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 Calibration End Date: 09/09/2024 23:56 Calibration ID: 47217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.7814 1.9500	1.6978 1.8852	1.9538 1.8044	2.0068	2.1457	Ave		1.9031				7.5		20.0			
Carbon disulfide	2.9042 3.5515	2.4714 3.4423	3.9095 3.2837	3.6360	3.9614	Ave		3.3950			0.1000	14.8		20.0			
Allyl chloride	2.2339 2.2964	1.9189 2.1647	2.4403 2.0383	2.2970	2.5302	Ave		2.2400				8.9		20.0			
Methyl acetate	1.9975 1.5482	1.8073 1.4954	1.9900 1.4723	1.6785	1.8945	Ave		1.7355			0.1000	12.5		20.0			
Methylene Chloride	2.6416 1.2651	1.8561 1.2037	1.7963 1.1609	1.4100	1.5062	Lin1	0.8619	1.1880			0.1000	15.4			0.9970		0.9900
2-Methyl-2-propanol	0.2011 0.1991	0.1927 0.1578	0.2163 0.1800	0.2043	0.1867	Ave		0.1922				9.3		20.0			
Methyl tert-butyl ether	4.8655 4.2350	4.7120 4.1122	5.0541 3.9178	4.3468	4.7985	Ave		4.5052			0.1000	9.0		20.0			
trans-1,2-Dichloroethene	1.0489 1.2765	0.9253 1.2249	1.4105 1.1481	1.2352	1.3939	Ave		1.2079			0.1000	13.6		20.0			
Acrylonitrile	0.8903 0.7817	0.8813 0.7620	0.9740 0.7257	0.8024	0.9081	Ave		0.8407				10.1		20.0			
Hexane	0.9242 1.6041	0.6131 1.4971	1.8588 1.5669	1.5593	1.8271	Lin1	-0.298	1.5757				22.0			0.9960		0.9900
1,1-Dichloroethane	2.2926 2.2678	1.8988 2.1669	2.4074 2.0344	2.3070	2.5089	Ave		2.2355			0.2000	8.8		20.0			
Vinyl acetate	2.6573 3.0599	2.6167 3.1256	2.8300 3.3000	2.7371	3.1895	Ave		2.9395				8.9		20.0			
2,2-Dichloropropane	1.0098 1.2251	0.9201 1.1598	1.3389 1.0054	1.2475	1.3308	Ave		1.1547				13.8		20.0			
cis-1,2-Dichloroethene	1.3544 1.3281	1.3573 1.2954	1.4709 1.2445	1.3960	1.5210	Ave		1.3709			0.1000	6.6		20.0			
2-Butanone (MEK)	1.1983 0.9749	1.1117 0.9312	1.1938 0.9706	1.0006	1.0963	Ave		1.0597			0.1000	9.9		20.0			
Chlorobromomethane	0.8593 0.7124	0.7830 0.7054	0.8654 0.6552	0.7442	0.8265	Ave		0.7689				10.0		20.0			
Tetrahydrofuran	+++++ 0.6781	0.8546 0.6358	0.8649 0.6371	0.7303	0.8016	Ave		0.7432				13.2		20.0			
Chloroform	+++++ 2.2328	2.3795 2.1444	2.6981 2.0160	2.2916	2.5043	Ave		2.3238			0.2000	9.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 Calibration End Date: 09/09/2024 23:56 Calibration ID: 47217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	1.4935 1.7969	1.1763 1.7499	1.7747 1.6464	1.8056	1.9655	Ave		1.6761			0.1000	14.5		20.0			
Cyclohexane	1.0997 2.1787	0.8838 2.0376	2.2134 2.0246	2.1109	2.4480	Lin1	-0.432	2.0835			0.1000	18.8			0.9960		0.9900
Carbon tetrachloride	1.0313 1.4695	0.8252 1.4624	1.5161 1.4571	1.4842	1.5904	Lin1	-0.247	1.4741			0.1000	12.8			0.9990		0.9900
1,1-Dichloropropene	1.4515 1.6644	1.0649 1.6077	1.8025 1.5423	1.7482	1.8033	Ave		1.5856				15.4		20.0			
Benzene	4.8826 4.8760	4.3456 4.6716	5.5780 4.5460	5.0116	5.4478	Ave		4.9199			0.5000	8.6		20.0			
Isobutyl alcohol	0.0762 0.0808	0.0674 0.0729	0.0896 0.0818	0.0751	0.0789	Ave		0.0778				8.5		20.0			
1,2-Dichloroethane	1.9472 1.8609	1.9633 1.7923	2.3310 1.7254	1.9956	2.1401	Ave		1.9695			0.1000	9.9		20.0			
n-Heptane	1.0920 1.6918	1.1149 1.5807	1.8411 1.7056	1.6963	2.1386	Lin1	-0.187	1.6982				16.9			0.9940		0.9900
Trichloroethene	1.2834 1.3118	1.0949 1.2359	1.4118 1.1794	1.3419	1.4306	Ave		1.2862			0.2000	8.9		20.0			
Methylcyclohexane	0.9655 1.8990	0.7598 1.7902	1.9753 1.8046	1.8304	2.1182	Lin1	-0.410	1.8411			0.1000	18.3			0.9970		0.9900
1,2-Dichloropropane	1.1134 1.2049	1.1256 1.1509	1.3426 1.1411	1.2726	1.3557	Ave		1.2133			0.1000	8.1		20.0			
Dibromomethane	0.8737 0.8422	0.9687 0.7919	0.9016 0.7900	0.8764	0.9208	Ave		0.8707			0.1000	7.1		20.0			
1,4-Dioxane	+++++ 0.0065	0.0042 0.0061	0.0058 0.0063	0.0061	0.0081	Lin1	-0.018	0.0064				16.0			0.9940		0.9900
Bromodichloromethane	1.4782 1.4892	1.5711 1.4558	1.7204 1.4835	1.4423	1.6330	Ave		1.5342			0.2000	6.4		20.0			
2-Chloroethyl vinyl ether	0.9356 0.9165	0.7532 0.8411	0.9895 0.9644	0.9534	1.0199	Ave		0.9217				9.4		20.0			
cis-1,3-Dichloropropene	1.7653 1.8772	1.7557 1.8151	1.9954 1.8856	1.8587	2.0407	Ave		1.8742			0.2000	5.4		20.0			
4-Methyl-2-pentanone (MIBK)	1.0135 1.0196	1.0387 0.9925	1.1570 1.0483	1.0172	1.1748	Ave		1.0577			0.1000	6.5		20.0			
Toluene	1.6011 1.5989	1.3738 1.5253	1.7394 1.5521	1.6432	1.7572	Ave		1.5989			0.4000	7.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 Calibration End Date: 09/09/2024 23:56 Calibration ID: 47217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.8765 0.8507	0.7691 0.8459	0.9258 0.9030	0.8335	0.9335	Ave		0.8673			0.1000	6.3		20.0			
Ethyl methacrylate	0.6381 0.8533	0.7300 0.8421	0.7880 0.9835	0.7988	0.9273	Ave		0.8201				13.2		20.0			
1,1,2-Trichloroethane	0.5686 0.4768	0.5288 0.4594	0.5186 0.4719	0.5028	0.5352	Ave		0.5078			0.1000	7.3		20.0			
Tetrachloroethene	0.6673 0.6957	0.4625 0.6812	0.7265 0.6758	0.6962	0.7539	Ave		0.6699			0.2000	13.2		20.0			
1,3-Dichloropropane	1.0550 0.9611	1.0229 0.9170	1.1082 0.9665	0.9660	1.1102	Ave		1.0134				7.1		20.0			
2-Hexanone	0.6772 0.6943	0.7096 0.6535	0.8118 0.7585	0.6962	0.8057	Ave		0.7259			0.1000	8.2		20.0			
Dibromochloromethane	0.5804 0.5666	0.5411 0.5756	0.6193 0.6308	0.5348	0.6120	Ave		0.5826			0.1000	6.1		20.0			
1,2-Dibromoethane	0.7112 0.6274	0.6446 0.5891	0.6789 0.6355	0.6093	0.7037	Ave		0.6500				6.8		20.0			
Chlorobenzene	1.7714 1.7607	1.6067 1.6978	1.9274 1.7306	1.8110	1.9577	Ave		1.7829			0.5000	6.5		20.0			
Ethylbenzene	2.5816 3.0033	2.2399 2.8696	3.2567 2.9943	3.0556	3.3122	Ave		2.9142			0.1000	12.1		20.0			
1,1,1,2-Tetrachloroethane	0.4426 0.5933	0.5456 0.5962	0.5820 0.6026	0.5926	0.6297	Ave		0.5731				10.1		20.0			
m,p-Xylene	0.9663 1.1757	0.9474 1.1248	1.2503 1.1663	1.1963	1.3034	Ave		1.1413			0.1000	11.1		20.0			
o-Xylene	1.2455 1.1878	1.0081 1.1107	1.2908 1.1349	1.1710	1.2638	Ave		1.1766			0.3000	7.9		20.0			
Styrene	1.8307 1.8689	1.6113 1.7829	1.9911 1.9223	1.8485	1.9736	Ave		1.8537			0.3000	6.5		20.0			
Bromoform	0.3470 0.3864	0.3473 0.3997	0.4131 0.4725	0.3523	0.3938	Ave		0.3890			0.1000	10.9		20.0			
Isopropylbenzene	2.1763 2.5338	1.7973 2.4196	2.6630 2.3188	2.4933	2.6487	Ave		2.3813			0.1000	12.0		20.0			
Bromobenzene	0.7514 0.7301	0.7843 0.6927	0.8204 0.6884	0.7323	0.7766	Ave		0.7470				6.1		20.0			
1,1,2,2-Tetrachloroethane	0.8642 0.8105	0.9107 0.7729	0.8629 0.7846	0.8068	0.9080	Ave		0.8401			0.3000	6.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 Calibration End Date: 09/09/2024 23:56 Calibration ID: 47217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	2.5430 3.2102	2.4685 3.0248	3.3206 3.0017	3.1693	3.3594	Ave		3.0122				11.2		20.0			
1,2,3-Trichloropropane	0.3454 0.2778	0.2389 0.2590	0.3037 0.2663	0.2795	0.3188	Ave		0.2862				12.1		20.0			
trans-1,4-Dichloro-2-butene	0.2016 0.2583	0.2069 0.2377	0.2322 0.2812	0.2503	0.2541	Ave		0.2403				11.1		20.0			
2-Chlorotoluene	0.5922 0.6736	0.5662 0.6448	0.7661 0.6212	0.6875	0.7181	Ave		0.6587				10.1		20.0			
1,3,5-Trimethylbenzene	1.9026 2.3438	1.8910 2.2167	2.3579 2.1599	2.3101	2.4615	Ave		2.2054				9.6		20.0			
4-Chlorotoluene	0.6068 0.6890	0.5909 0.6440	0.7458 0.6601	0.6961	0.7371	Ave		0.6712				8.4		20.0			
tert-Butylbenzene	0.3897 0.5237	0.3853 0.5004	0.5510 0.4843	0.5162	0.5452	Ave		0.4870				13.4		20.0			
1,2,4-Trimethylbenzene	2.0282 2.3994	2.0218 2.2979	2.5172 2.2434	2.3849	2.5785	Ave		2.3089				8.9		20.0			
sec-Butylbenzene	2.1879 2.8970	1.8928 2.7180	2.8352 2.6204	2.7418	3.0261	Ave		2.6149				14.7		20.0			
1,3-Dichlorobenzene	1.2761 1.3884	1.2973 1.2899	1.5051 1.3174	1.4330	1.5072	Ave		1.3768			0.6000	7.0		20.0			
4-Isopropyltoluene	2.1268 2.5619	1.7272 2.4151	2.5630 2.3745	2.5001	2.6586	Ave		2.3659				12.9		20.0			
1,4-Dichlorobenzene	1.4518 1.4031	1.5120 1.3125	1.5569 1.3469	1.4532	1.5520	Ave		1.4486			0.5000	6.3		20.0			
n-Butylbenzene	1.7071 2.2231	1.4425 2.0780	2.1981 2.0296	2.1725	2.3346	Ave		2.0232				14.8		20.0			
1,2-Dichlorobenzene	1.4286 1.3879	1.3913 1.3198	1.6018 1.3009	1.4000	1.5309	Ave		1.4202			0.4000	7.1		20.0			
1,2-Dibromo-3-Chloropropane	0.2067 0.1777	0.1955 0.1701	0.1772 0.1825	0.1658	0.1855	Ave		0.1826			0.0500	7.3		20.0			
1,2,4-Trichlorobenzene	0.9304 0.9601	0.9237 0.9359	1.0466 0.8925	0.9275	1.0374	Ave		0.9567			0.2000	5.8		20.0			
Hexachlorobutadiene	0.4134 0.4517	0.3536 0.4037	0.4519 0.3327	0.4283	0.4837	Ave		0.4149				12.3		20.0			
Naphthalene	3.1963 3.2938	3.5684 3.2077	3.2345 3.0921	3.1423	3.5675	Ave		3.2878				5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 Calibration End Date: 09/09/2024 23:56 Calibration ID: 47217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.9687 0.9449	1.0163 0.9370	1.0075 0.8815	0.9455	0.9854	Ave		0.9609				4.5		20.0			
Dibromofluoromethane (Surr)	1.2311 1.2266	1.3183 1.2595	1.3936 1.1911	1.2161	1.3679	Ave		1.2755				5.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7606 0.7550	0.8303 0.7647	0.8878 0.7297	0.7696	0.8613	Ave		0.7949				7.2		20.0			
Toluene-d8 (Surr)	2.1525 2.1440	2.3037 2.1850	2.3819 2.1738	2.1278	2.3883	Ave		2.2321				4.9		20.0			
4-Bromofluorobenzene (Surr)	0.7670 0.7740	0.8178 0.7689	0.8893 0.8229	0.7735	0.8485	Ave		0.8077				5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-724422/13	S1899.d
Level 2	IC 480-724422/14	S1900.d
Level 3	IC 480-724422/15	S1901.d
Level 4	IC 480-724422/16	S1902.d
Level 5	IC 480-724422/17	S1903.d
Level 6	ICIS 480-724422/18	S1904.d
Level 7	IC 480-724422/19	S1905.d
Level 8	IC 480-724422/20	S1906.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	3577 234026	3723 424244	15241 930323	43968	90064	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5126 282650	8625 559767	21958 1110461	58998	113928	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4022 215956	5220 418902	15533 839907	45519	84381	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Lin1	3128 212325	3968 407781	12733 +++++	44160	80381	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Bromomethane	FB	Ave	2729 141235	4450 275078	11806 556811	29366	54924	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3236 144370	3771 275388	11896 575959	28146	59065	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Lin1	4003 306340	5795 572654	20262 1220817	61527	119946	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	6941 382398	10100 726780	29956 1511173	77714	149973	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5390 219028	9252 407555	16676 823962	44325	87571	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3973 183175	7836 350216	13939 732802	36101	74976	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	2633 180656	4031 338681	14006 734830	36970	71371	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	1100 167434	1812 318617	11914 711632	31539	65485	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	15465 588578	26508 1042976	47849 2149460	120570	202124	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	6070 344007	10789 649467	23054 1332007	68907	132144	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	9896	15705	46132	124850	243966	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			626531	1185896	2424045			25.0	50.0	100		
Allyl chloride	FB	Ave	7612 405116	12194 745773	28795 1504683	78872	155822	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	13613 546243	22969 1030357	46964 2173630	115270	233346	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	9001 223183	11795 414681	21196 856936	48416	92760	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	6852 351273	12245 543562	25518 1328716	70135	114974	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	16579 747096	29943 1416704	59638 2892112	149257	295518	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3574 225181	5880 421983	16644 847540	42415	85844	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	30335 1379067	56001 2625265	114930 5357151	275520	559269	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Lin1	3149 282978	3896 515750	21933 1156686	53541	112523	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	7812 400063	12066 746531	28407 1501761	79216	154513	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18109 1079588	33256 2153600	66786 4872136	187970	392854	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3441 216121	5847 399563	15799 742161	42836	81956	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4615 234291	8625 446276	17356 918696	47936	93669	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	20416 859946	35323 1604080	70434 3582345	171789	337568	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2928 125684	4976 243010	10212 483659	25555	50903	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 239259	10861 438085	20412 940652	50155	98731	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 393892	15121 738764	31837 1488219	78686	154229	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	5089 316995	7475 602862	20941 1215347	62000	121045	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Lin1	3747 384344	5616 701970	26118 1494573	72481	150761	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Lin1	3514 259244	5244 503797	17890 1075608	50963	97943	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4946 293614	6767 553864	21269 1138513	60029	111060	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	16637 860177	27615 1609430	65819 3355842	172083	335505	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6488 356142	10713 627511	26432 1509574	64458	121413	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	6635 328277	12476 617469	27506 1273719	68523	131802	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Lin1	3721 298456	7085 544553	21725 1259046	58247	131704	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4373 231415	6958 425781	16659 870624	46077	88105	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Lin1	3290 335010	4828 616741	23308 1332167	62852	130449	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3794 212557	7153 396482	15842 842343	43698	83492	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2977 148582	6156 272825	10639 583150	30092	56707	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Lin1	+++++ 45468	1042 81284	2847 184339	8380	19761	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	5037 262717	9984 501552	20301 1095120	49526	100568	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3188 161675	4786 289780	11676 711942	32737	62812	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6015 331162	11157 625328	23545 1391952	63824	125680	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	34696 1795743	65098 3313090	143192 7618748	348138	714472	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	10962 563225	17220 1018325	43053 2256005	112474	213735	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	6001 299669	9640 564769	22915 1312532	57055	113547	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	4369 300587	9150 562209	19505 1429552	54675	112795	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	3893 167941	6629 306738	12836 685916	34415	65099	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	4569	5798	17981	47655	91696	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			245077	454806	982267			25.0	50.0	100		
1,3-Dichloropropane	CBNZd5	Ave	7223 338563	12822 612216	27429 1404861	66123	135041	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	23182 1222894	44476 2181621	100471 5512300	238267	489988	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	3974 199598	6783 384311	15329 916857	36609	74444	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	4869 220991	8080 393327	16803 923644	41709	85593	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	12128 620233	20140 1133502	47705 2515422	123961	238122	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	17675 1057955	28077 1915874	80608 4352267	209156	402875	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	3030 209011	6839 398038	14405 875936	40560	76592	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	6616 414147	11876 750938	30947 1695270	81885	158533	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	8527 418429	12637 741547	31950 1649607	80155	153717	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	12534 658339	20197 1190361	49283 2794009	126531	240056	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	2376 136103	4353 266831	10224 686743	24116	47901	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd4	Ave	16056 965046	23666 1761405	73070 3927573	188561	360242	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	5544 278067	10327 504243	22512 1165986	55378	105624	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	6376 308696	11992 562655	23676 1328943	61014	123489	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd4	Ave	18762 1222643	32505 2201973	91113 5084347	239685	456903	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd4	Ave	2548	3146	8333	21137	43360	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			105791	188512	451063			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd4	Ave	1487 98386	2724 173006	6370 476329	18928	34561	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	4369 256540	7456 469412	21021 1052230	51996	97671	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	14037 892654	24900 1613742	64697 3658459	174703	334786	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	4477 262401	7781 468786	20464 1118035	52640	100256	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	2875 199460	5073 364266	15119 820247	39037	74150	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	14964 913847	26622 1672806	69070 3799986	180360	350688	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	16142 1103373	24924 1978690	77795 4438488	207355	411568	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	9415 528780	17082 939010	41298 2231504	108373	204985	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	15691 975716	22743 1758148	70326 4022009	189076	361590	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	10711 534394	19909 955498	42721 2281380	109900	211085	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	12595 846703	18994 1512746	60314 3437861	164300	317523	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	10540 528611	18320 960773	43951 2203533	105877	208215	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1525 67680	2574 123828	4862 309153	12540	25234	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	6864 365652	12163 681345	28717 1511682	70140	141090	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Ave	3050 172022	4656 293870	12401 563580	32393	65784	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd4	Ave	23582 1254496	46988 2335180	88750 5237443	237641	485208	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	7147 359861	13383 682142	27645 1493187	71501	134017	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	209745 216393	209440 216953	205550 219825	208781	210604	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	129585 133198	131913 131731	130954 134669	132124	132612	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	736858	721921	736923	728233	726237	25.0	25.0	25.0	25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S GC Column: ZB-624 (20 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 Calibration End Date: 09/09/2024 23:56 Calibration ID: 47217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			755254	729413	789897			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	262573	256279	275132	264740	258012	25.0	25.0	25.0	25.0	25.0
			272637	256665	299009			25.0	25.0	25.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-724422/13	S1899.d
Level 2	IC 480-724422/14	S1900.d
Level 3	IC 480-724422/15	S1901.d
Level 4	IC 480-724422/16	S1902.d
Level 5	IC 480-724422/17	S1903.d
Level 6	ICIS 480-724422/18	S1904.d
Level 7	IC 480-724422/19	S1905.d
Level 8	IC 480-724422/20	S1906.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	11.5						30					
Chloromethane	-7.6						30					
Vinyl chloride	-1.6						30					
Butadiene	14.2	+++++					30					
Bromomethane	-3.0						30					
Chloroethane	12.9						30					
Trichlorofluoromethane	-2.1						30					
Dichlorofluoromethane	-5.2						30					
Ethyl ether	18.2						30					
Acrolein	4.8						30					
1,1-Dichloroethene	-21.1						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	2.1						30					
Acetone	25.9						30					
Iodomethane	-6.4						30					
Carbon disulfide	-14.5						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	-0.3						30					
Methyl acetate	15.1						30					
Methylene Chloride	-22.8						30					
2-Methyl-2-propanol	4.6						30					
Methyl tert-butyl ether	8.0						30					
trans-1,2-Dichloroethene	-13.2						30					
Acrylonitrile	5.9						30					
Hexane	-3.5						30					
1,1-Dichloroethane	2.6						30					
Vinyl acetate	-9.6						30					
2,2-Dichloropropane	-12.5						30					
cis-1,2-Dichloroethene	-1.2						30					
2-Butanone (MEK)	13.1						30					
Chlorobromomethane	11.7						30					
Tetrahydrofuran	+++++	15.0						30				
Chloroform	+++++	2.4						30				
1,1,1-Trichloroethane	-10.9						30					
Cyclohexane	-5.8						30					
Carbon tetrachloride	3.5						30					
1,1-Dichloropropene	-8.5						30					
Benzene	-0.8						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-2.1						30					
1,2-Dichloroethane	-1.1						30					
n-Heptane	-13.7						30					
Trichloroethene	-0.2						30					
Methylcyclohexane	-3.0						30					
1,2-Dichloropropane	-8.2						30					
Dibromomethane	0.3						30					
1,4-Dioxane	+++++	-20.7						30				
Bromodichloromethane	-3.6						30					
2-Chloroethyl vinyl ether	1.5						30					
cis-1,3-Dichloropropene	-5.8						30					
4-Methyl-2-pentanone (MIBK)	-4.2						30					
Toluene	0.1						30					
trans-1,3-Dichloropropene	1.1						30					
Ethyl methacrylate	-22.2						30					
1,1,2-Trichloroethane	12.0						30					
Tetrachloroethene	-0.4						30					
1,3-Dichloropropane	4.1						30					
2-Hexanone	-6.7						30					
Dibromochloromethane	-0.4						30					
1,2-Dibromoethane	9.4						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-0.6						30					
Ethylbenzene	-11.4						30					
1,1,1,2-Tetrachloroethane	-22.8						30					
m,p-Xylene	-15.3						30					
o-Xylene	5.9						30					
Styrene	-1.2						30					
Bromoform	-10.8						30					
Isopropylbenzene	-8.6						30					
Bromobenzene	0.6						30					
1,1,2,2-Tetrachloroethane	2.9						30					
N-Propylbenzene	-15.6						30					
1,2,3-Trichloropropane	20.7						30					
trans-1,4-Dichloro-2-butene	-16.1						30					
2-Chlorotoluene	-10.1						30					
1,3,5-Trimethylbenzene	-13.7						30					
4-Chlorotoluene	-9.6						30					
tert-Butylbenzene	-20.0						30					
1,2,4-Trimethylbenzene	-12.2						30					
sec-Butylbenzene	-16.3						30					
1,3-Dichlorobenzene	-7.3						30					
4-Isopropyltoluene	-10.1						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 724422

SDG No.: 480-223647-1

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2024 20:39 | Calibration End Date: 09/09/2024 23:56 | Calibration ID: 47217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	0.2						30					
n-Butylbenzene	-15.6						30					
1,2-Dichlorobenzene	0.6						30					
1,2-Dibromo-3-Chloropropane	13.2						30					
1,2,4-Trichlorobenzene	-2.8						30					
Hexachlorobutadiene	-0.4						30					
Naphthalene	-2.8						30					
1,2,3-Trichlorobenzene	0.8						30					
Dibromofluoromethane (Surr)	-3.5						30					
1,2-Dichloroethane-d4 (Surr)	-4.3						30					
Toluene-d8 (Surr)	-3.6						30					
4-Bromofluorobenzene (Surr)	-5.0						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 09-Sep-2024 20:39:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0119920-013
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:25:19 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 08:06:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	170372	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	85	342326	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	95	368891	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	209745	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.496	-0.006	91	129585	25.0	23.9	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	92	736858	25.0	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.962	0.000	92	262573	25.0	23.7	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	26	3577	0.5000	0.5575	
12 Chloromethane	50	1.120	1.126	-0.006	39	5126	0.5000	0.4621	
13 Vinyl chloride	62	1.205	1.193	0.012	21	4022	0.5000	0.4922	Ma
151 Butadiene	54	1.217	1.217	0.000	79	3128	0.5000	0.5712	
14 Bromomethane	94	1.442	1.442	0.000	40	2729	0.5000	0.4852	
15 Chloroethane	64	1.515	1.515	0.000	45	3236	0.5000	0.5646	Ma
16 Dichlorofluoromethane	67	1.698	1.686	0.012	44	6941	0.5000	0.4741	
17 Trichlorofluoromethane	101	1.686	1.692	-0.006	15	4003	0.5000	0.4897	
18 Ethyl ether	59	1.923	1.917	0.006	68	5390	0.5000	0.5911	Ma
20 Acrolein	56	2.075	2.081	-0.006	55	3973	2.50	2.62	a
22 1,1-Dichloroethene	96	2.111	2.105	0.006	36	2633	0.5000	0.3946	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.136	2.117	0.019	1	1100	0.5000	0.5106	
23 Acetone	43	2.227	2.227	0.000	90	15465	2.50	3.15	
25 Iodomethane	142	2.251	2.245	0.006	74	6070	0.5000	0.4680	
26 Carbon disulfide	76	2.276	2.282	-0.006	71	9896	0.5000	0.4277	
28 3-Chloro-1-propene	41	2.452	2.446	0.006	56	7612	0.5000	0.4987	
27 Methyl acetate	43	2.501	2.501	0.000	87	13613	1.00	1.15	a
30 Methylene Chloride	84	2.586	2.586	0.000	78	9001	0.5000	0.3862	
31 2-Methyl-2-propanol	59	2.762	2.762	0.000	69	6852	5.00	5.23	
32 Methyl tert-butyl ether	73	2.787	2.787	0.000	82	16579	0.5000	0.5400	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	52	3574	0.5000	0.4342	
33 Acrylonitrile	53	2.860	2.860	0.000	97	30335	5.00	5.29	
35 Hexane	57	2.987	2.987	0.000	59	3149	0.5000	0.4827	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.200	3.194	0.006	34	7812	0.5000	0.5128	
37 Vinyl acetate	43	3.267	3.261	0.006	95	18109	1.00	0.9040	
44 2,2-Dichloropropane	77	3.687	3.693	-0.006	25	3441	0.5000	0.4373	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	45	4615	0.5000	0.4940	
43 2-Butanone (MEK)	43	3.790	3.778	0.012	90	20416	2.50	2.83	
48 Chlorobromomethane	128	3.967	3.961	0.006	47	2928	0.5000	0.5587	
49 Tetrahydrofuran	42	3.985	3.973	0.012	77	7610	1.00	1.50	
50 Chloroform	83	4.046	4.046	0.000	64	9625	0.5000	0.6078	
52 Cyclohexane	56	4.143	4.137	0.006	53	3747	0.5000	0.4712	
51 1,1,1-Trichloroethane	97	4.149	4.143	0.006	28	5089	0.5000	0.4455	
55 Carbon tetrachloride	117	4.277	4.271	0.006	50	3514	0.5000	0.5175	
54 1,1-Dichloropropene	75	4.295	4.289	0.006	22	4946	0.5000	0.4577	a
57 Benzene	78	4.490	4.490	0.000	30	16637	0.5000	0.4962	
53 Isobutyl alcohol	43	4.557	4.551	0.006	56	6488	12.5	12.2	
58 1,2-Dichloroethane	62	4.557	4.563	-0.006	6	6635	0.5000	0.4943	
59 n-Heptane	43	4.679	4.679	0.000	50	3721	0.5000	0.4317	
62 Trichloroethene	95	5.098	5.092	0.006	57	4373	0.5000	0.4989	
64 Methylcyclohexane	83	5.190	5.196	-0.006	40	3290	0.5000	0.4848	
65 1,2-Dichloropropane	63	5.330	5.330	0.000	43	3794	0.5000	0.4588	
67 Dibromomethane	93	5.457	5.463	-0.006	31	2977	0.5000	0.5017	a
66 1,4-Dioxane	88		5.482				ND	ND	
68 Dichlorobromomethane	83	5.634	5.628	0.006	29	5037	0.5000	0.4818	
69 2-Chloroethyl vinyl ether	63	5.938	5.914	0.024	6	3188	0.5000	0.5075	a
72 cis-1,3-Dichloropropene	75	6.048	6.035	0.013	35	6015	0.5000	0.4709	
73 4-Methyl-2-pentanone (MIBK)	43	6.194	6.193	0.001	84	34696	2.50	2.40	M
74 Toluene	92	6.315	6.309	0.006	81	10962	0.5000	0.5007	
77 trans-1,3-Dichloropropene	75	6.613	6.607	0.006	58	6001	0.5000	0.5053	a
75 Ethyl methacrylate	69	6.680	6.668	0.012	19	4369	0.5000	0.3890	a
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	38	3893	0.5000	0.5599	
81 Tetrachloroethene	166	6.832	6.826	0.006	57	4569	0.5000	0.4981	a
82 1,3-Dichloropropane	76	6.948	6.942	0.006	63	7223	0.5000	0.5205	
80 2-Hexanone	43	7.039	7.027	0.012	89	23182	2.50	2.33	
83 Chlorodibromomethane	129	7.173	7.173	0.000	12	3974	0.5000	0.4981	
84 Ethylene Dibromide	107	7.264	7.258	0.006	40	4869	0.5000	0.5471	
87 Chlorobenzene	112	7.739	7.733	0.006	20	12128	0.5000	0.4968	a
88 Ethylbenzene	91	7.836	7.836	0.000	79	17675	0.5000	0.4429	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.836	0.006	11	3030	0.5000	0.3861	
90 m-Xylene & p-Xylene	106	7.964	7.958	0.006	77	6616	0.5000	0.4233	
91 o-Xylene	106	8.384	8.377	0.007	58	8527	0.5000	0.5293	
92 Styrene	104	8.420	8.408	0.012	36	12534	0.5000	0.4938	
95 Bromoform	173	8.657	8.645	0.012	9	2376	0.5000	0.4461	
94 Isopropylbenzene	105	8.767	8.761	0.006	56	16056	0.5000	0.4569	
101 Bromobenzene	156	9.101	9.101	0.000	50	5544	0.5000	0.5030	
97 1,1,2,2-Tetrachloroethane	83	9.199	9.193	0.006	8	6376	0.5000	0.5144	
99 N-Propylbenzene	91	9.205	9.205	0.000	82	18762	0.5000	0.4221	
100 1,2,3-Trichloropropane	110	9.229	9.217	0.012	24	2548	0.5000	0.6034	
98 trans-1,4-Dichloro-2-butene	53	9.254	9.247	0.007	1	1487	0.5000	0.4194	
103 2-Chlorotoluene	126	9.302	9.302	0.000	73	4369	0.5000	0.4495	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	51	14037	0.5000	0.4313	
105 4-Chlorotoluene	126	9.436	9.430	0.006	41	4477	0.5000	0.4520	
106 tert-Butylbenzene	134	9.734	9.734	0.000	56	2875	0.5000	0.4001	
107 1,2,4-Trimethylbenzene	105	9.795	9.789	0.006	41	14964	0.5000	0.4392	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	52	16142	0.5000	0.4184	
111 1,3-Dichlorobenzene	146	10.087	10.081	0.006	52	9415	0.5000	0.4634	
110 4-Isopropyltoluene	119	10.111	10.105	0.006	59	15691	0.5000	0.4495	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	4	10711	0.5000	0.5011	a
115 n-Butylbenzene	91	10.513	10.507	0.006	62	12595	0.5000	0.4219	
116 1,2-Dichlorobenzene	146	10.543	10.537	0.006	60	10540	0.5000	0.5030	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	1	1525	0.5000	0.5659	
119 1,2,4-Trichlorobenzene	180	11.979	11.973	0.006	35	6864	0.5000	0.4862	
120 Hexachlorobutadiene	225	12.088	12.095	-0.007	14	3050	0.5000	0.4982	
121 Naphthalene	128	12.186	12.186	0.000	63	23582	0.5000	0.4861	
122 1,2,3-Trichlorobenzene	180	12.393	12.387	0.006	39	7147	0.5000	0.5041	
S 125 1,2-Dichloroethene, Total	1				0			0.9281	
S 123 Total BTEX	1				0			2.39	
S 126 1,3-Dichloropropene, Total	1				0			0.9763	
S 124 Xylenes, Total	1				0			0.9526	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00258	Amount Added:	0.50	Units: uL	
GAS CORP mix_00639	Amount Added:	0.50	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

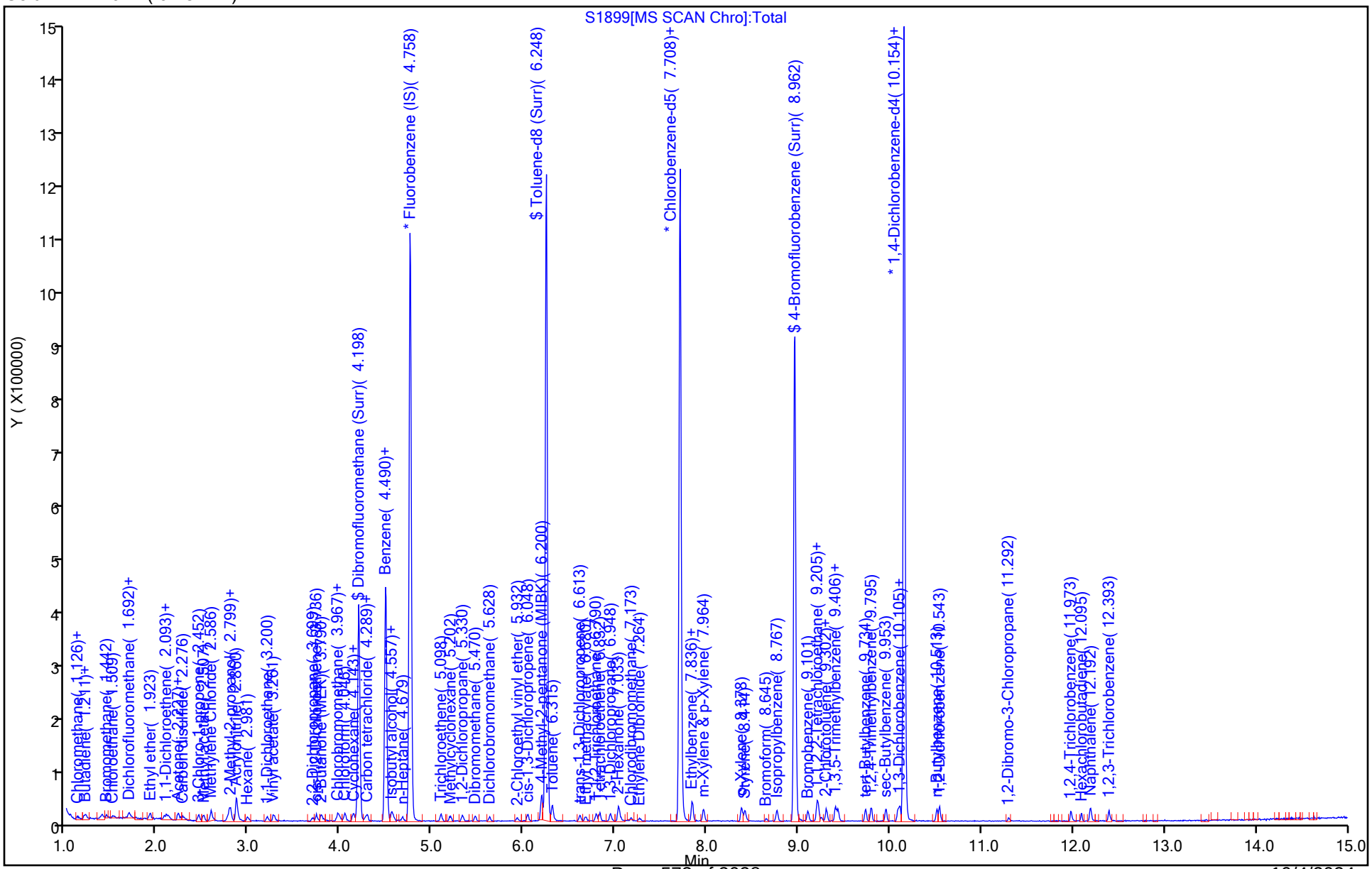
Report Date: 10-Sep-2024 10:25:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d

Injection Date:	09-Sep-2024 20:39:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	IC 0.5			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

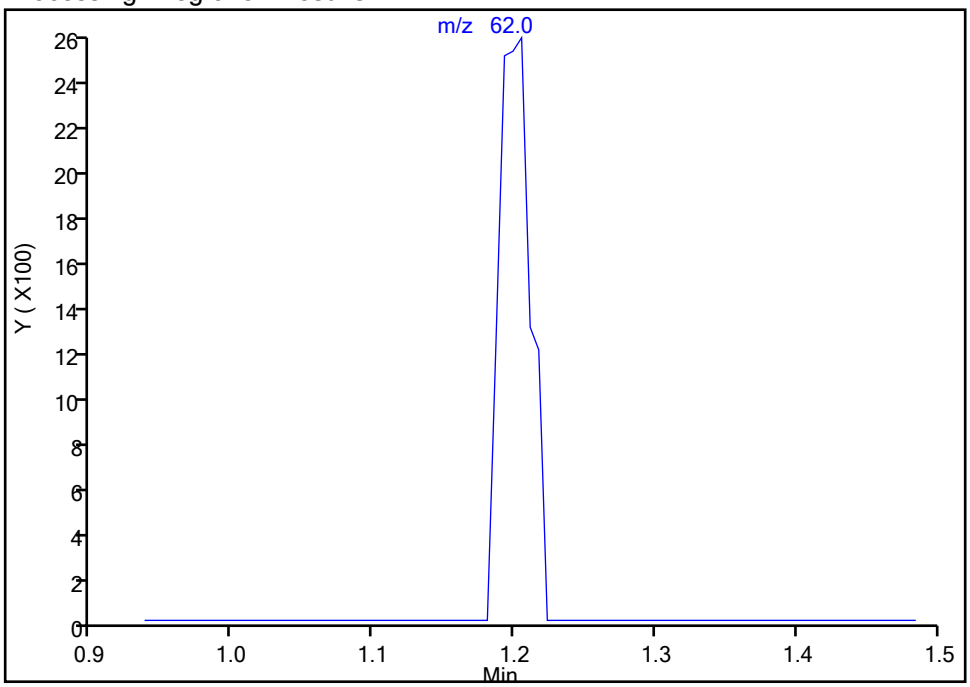
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

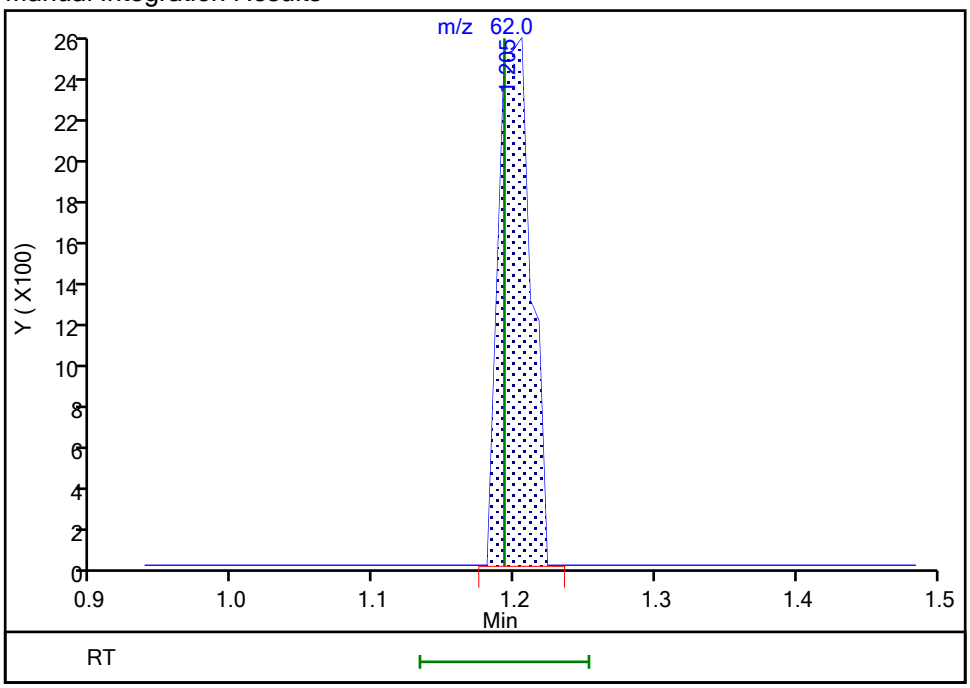
Not Detected
Expected RT: 1.19

Processing Integration Results



Manual Integration Results

RT: 1.20
Area: 4022
Amount: 0.492234
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:04:30 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

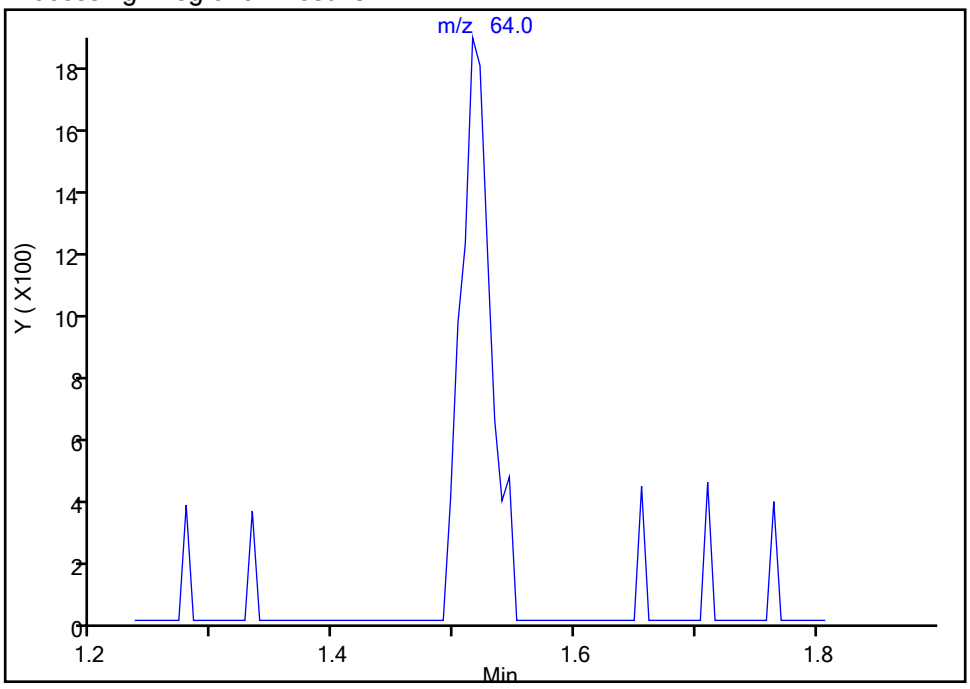
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

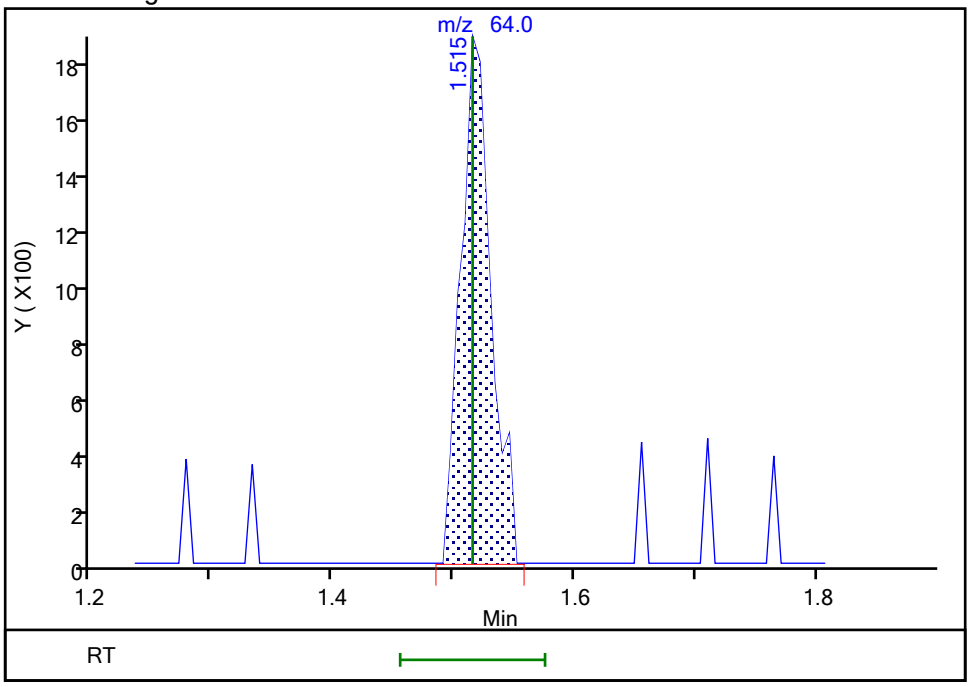
Not Detected
Expected RT: 1.52

Processing Integration Results



Manual Integration Results

RT: 1.52
Area: 3236
Amount: 0.564619
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:04:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

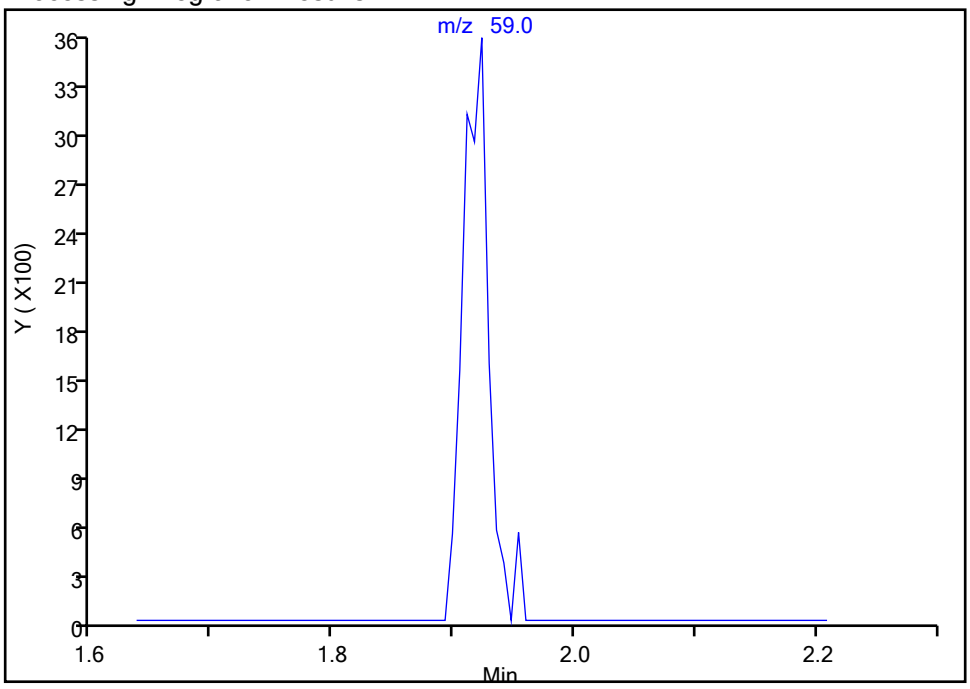
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

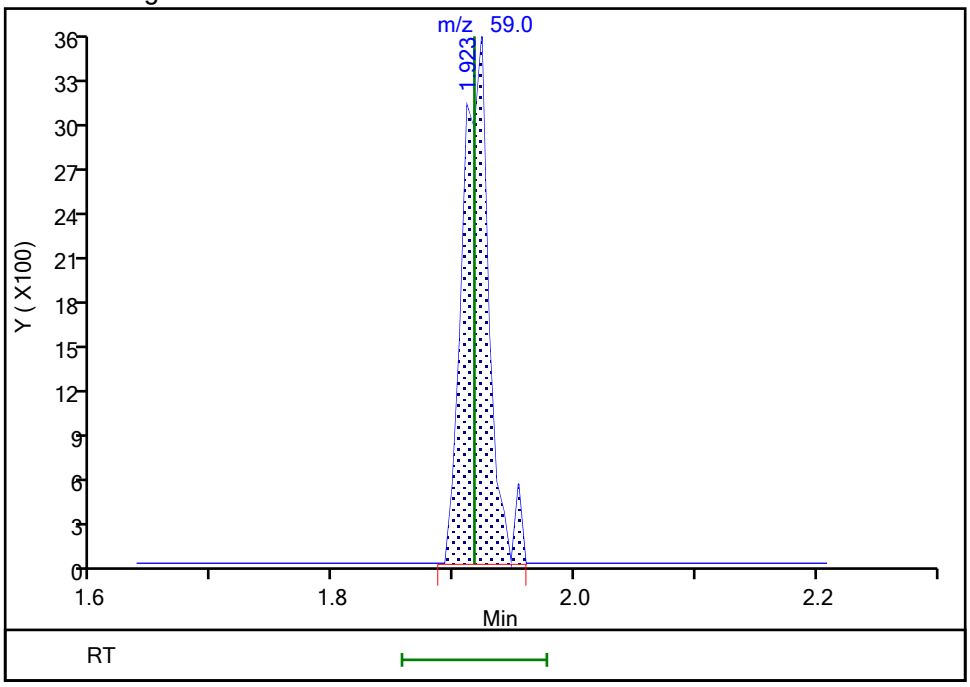
Not Detected
Expected RT: 1.92

Processing Integration Results



Manual Integration Results

RT: 1.92
Area: 5390
Amount: 0.591086
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:04:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

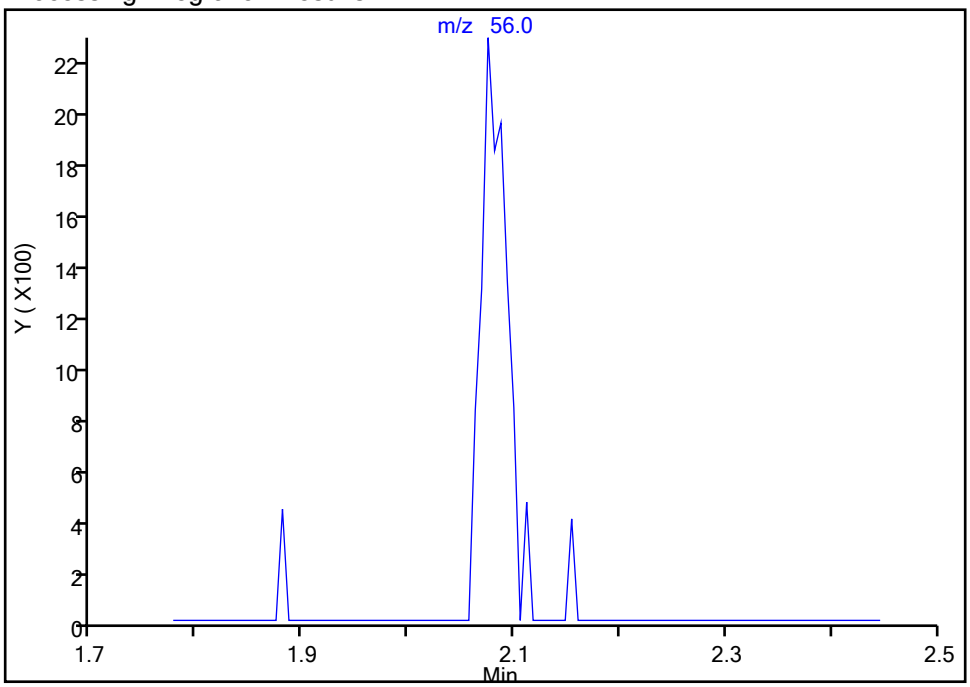
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

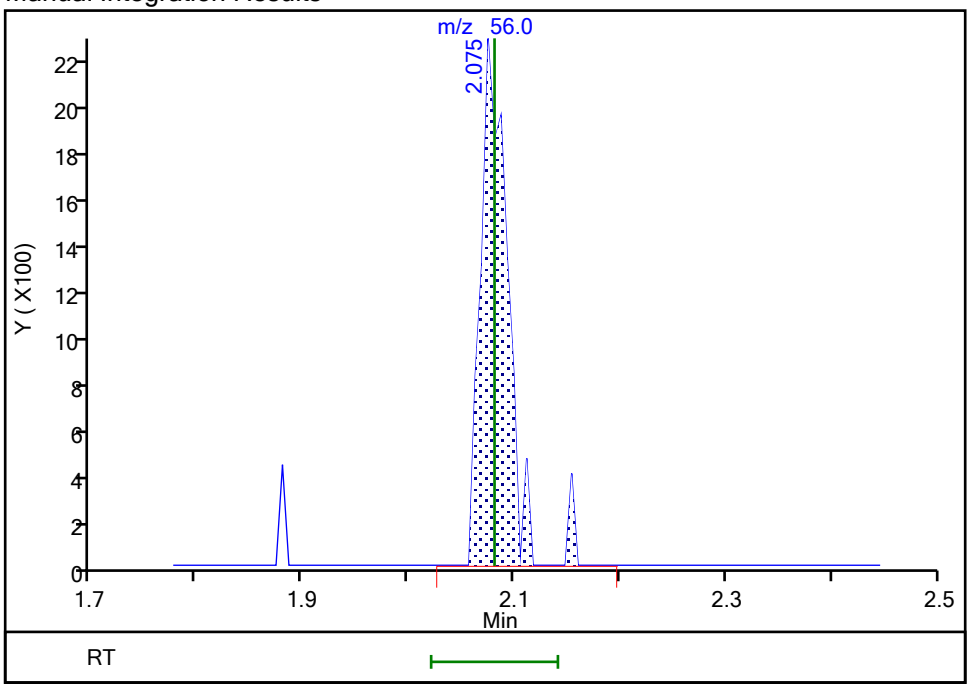
Not Detected
Expected RT: 2.08

Processing Integration Results



Manual Integration Results

RT: 2.07
Area: 3973
Amount: 2.621126
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:04:49 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

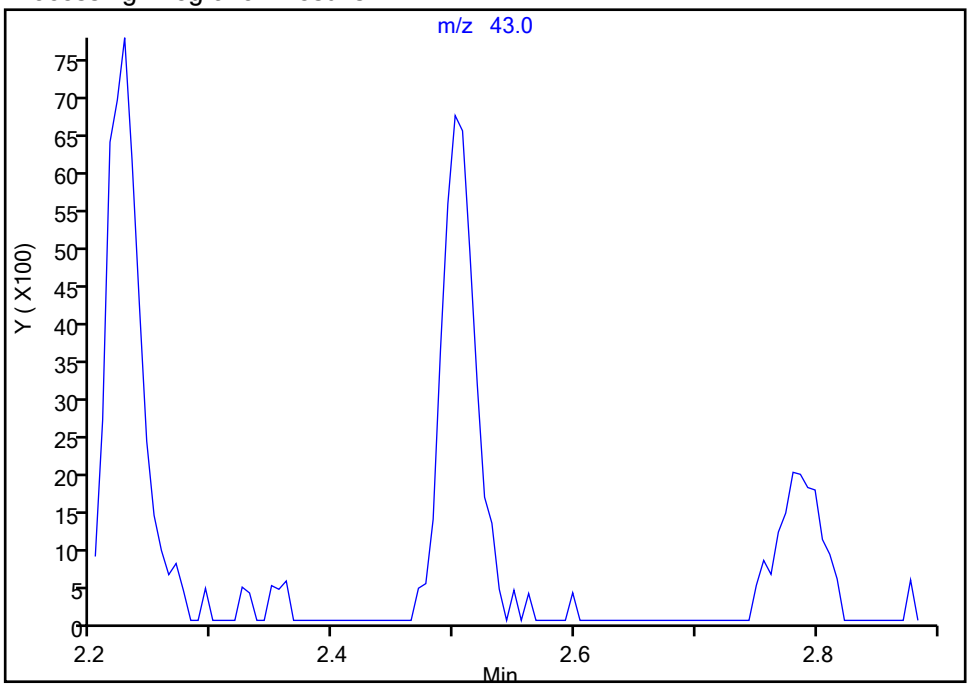
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

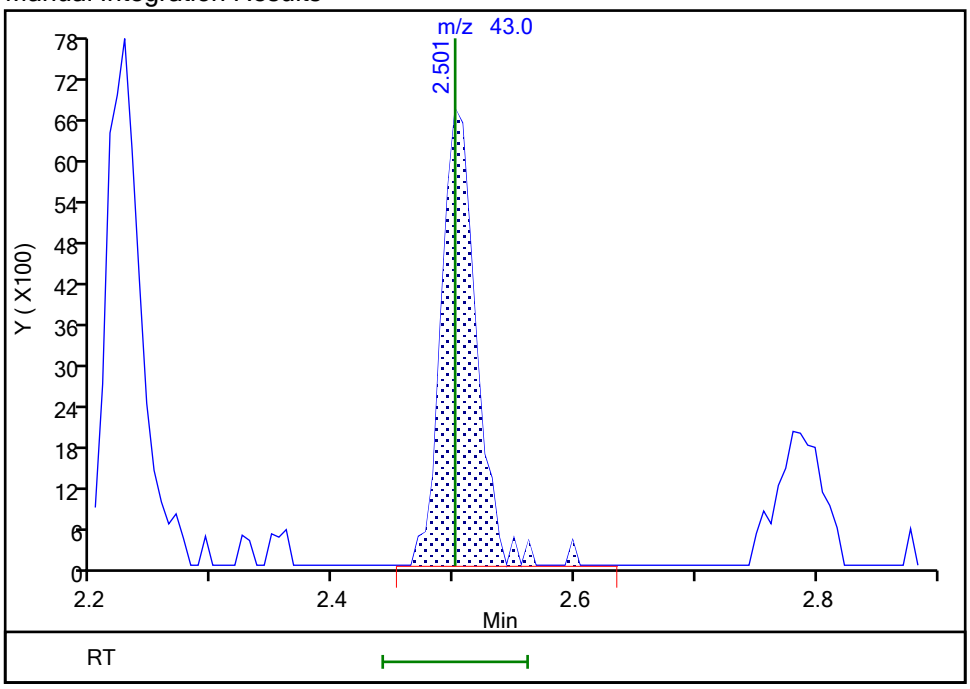
Not Detected
Expected RT: 2.50

Processing Integration Results



Manual Integration Results

RT: 2.50
Area: 13613
Amount: 1.151015
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:04:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo

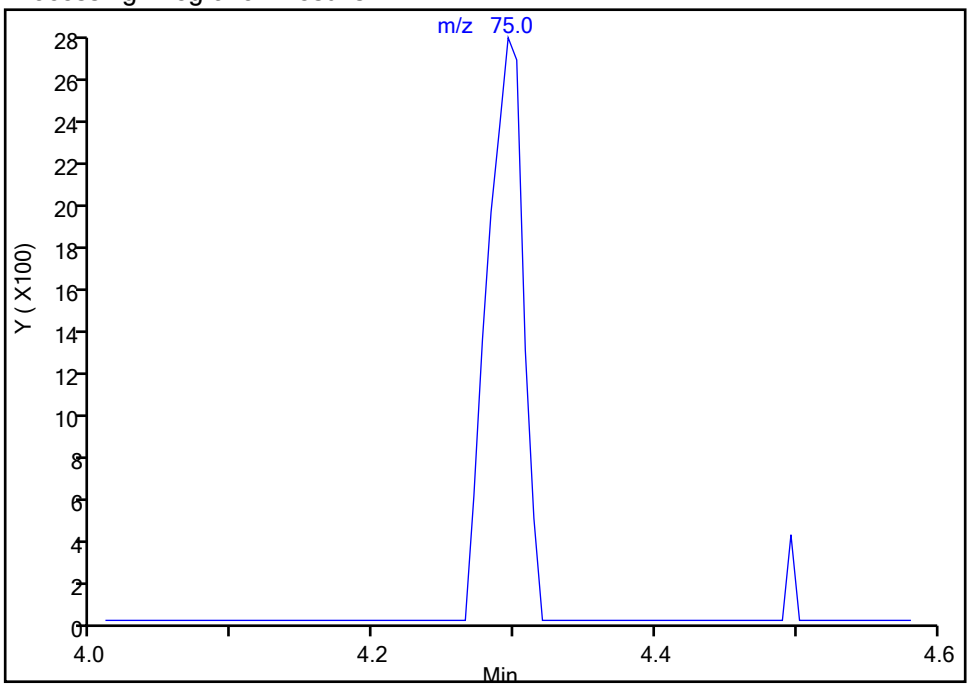
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

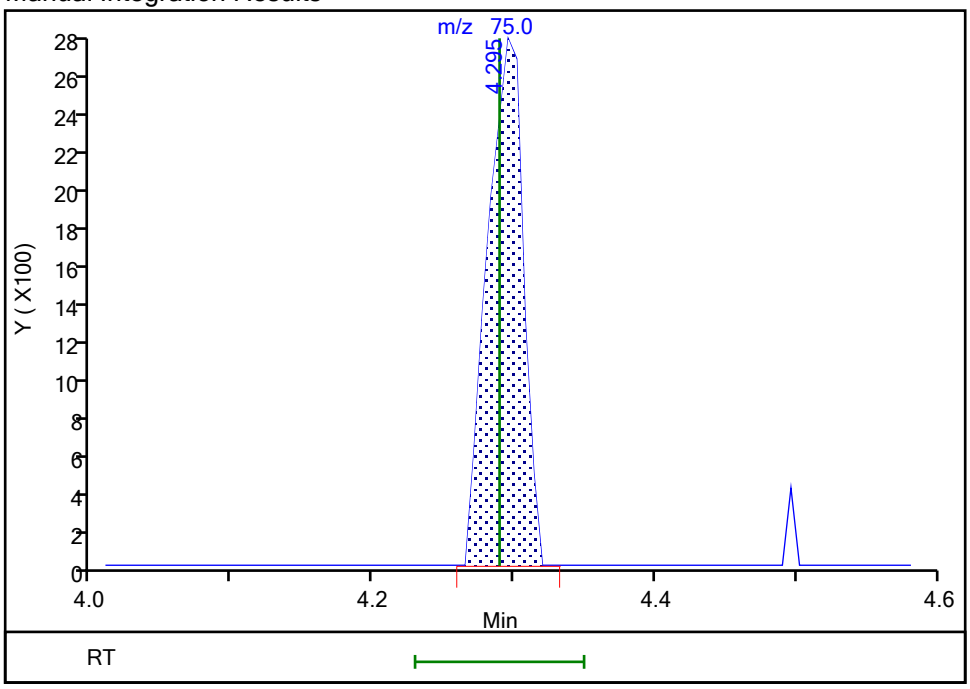
Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results

RT: 4.30
Area: 4946
Amount: 0.457722
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:05:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

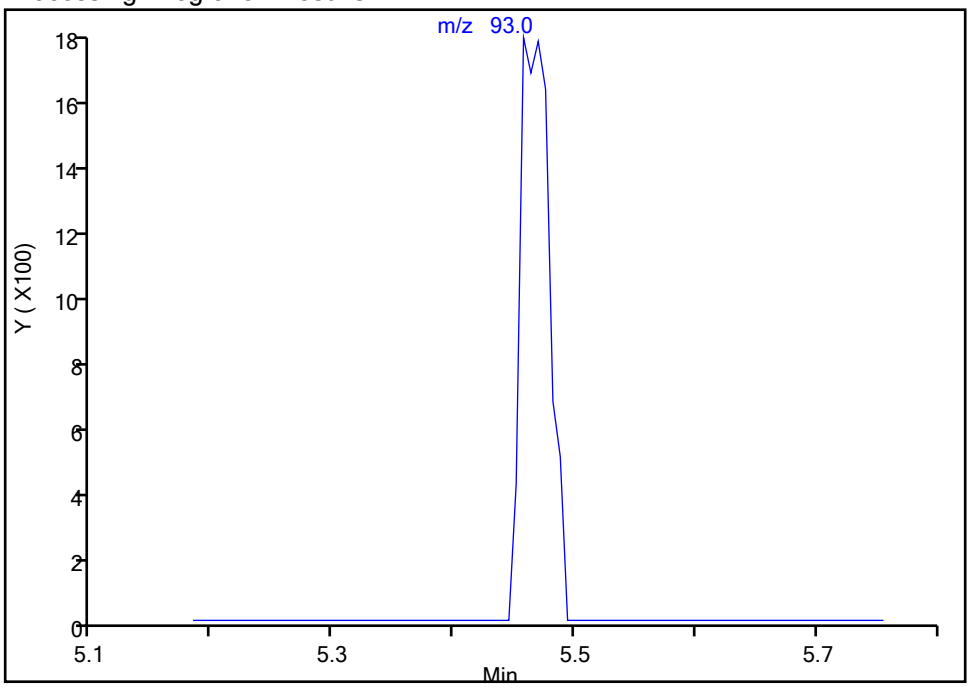
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

67 Dibromomethane, CAS: 74-95-3

Signal: 1

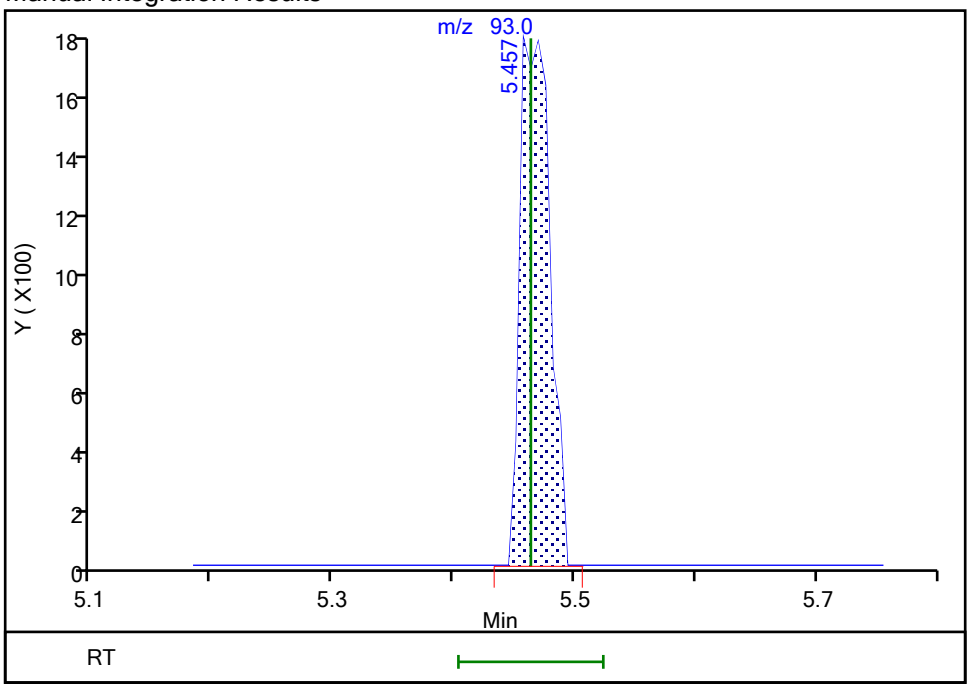
Not Detected
Expected RT: 5.46

Processing Integration Results



Manual Integration Results

RT: 5.46
Area: 2977
Amount: 0.501729
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:05:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

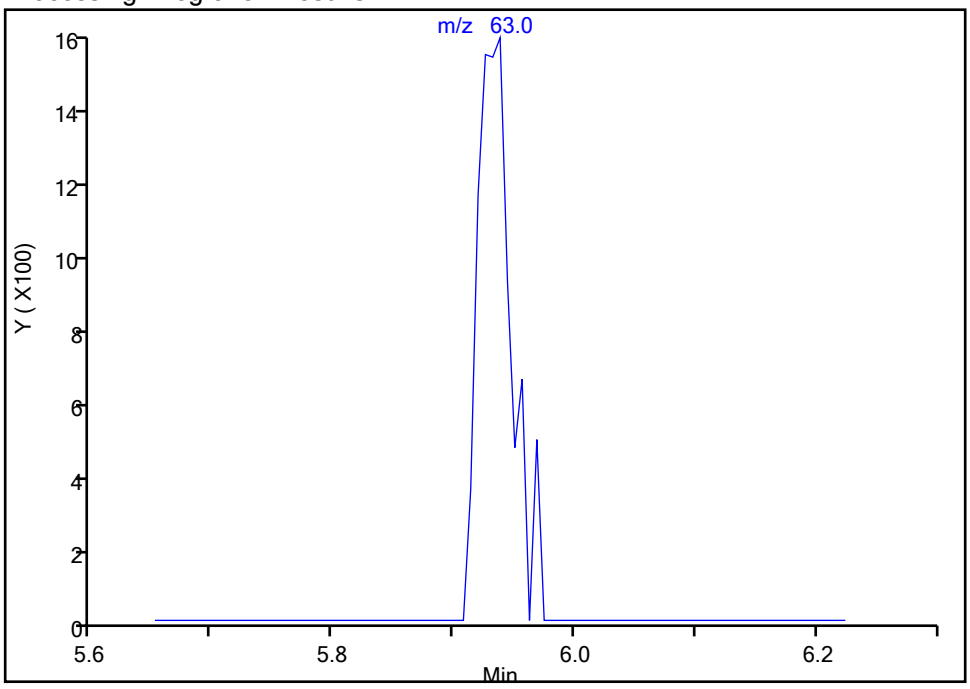
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

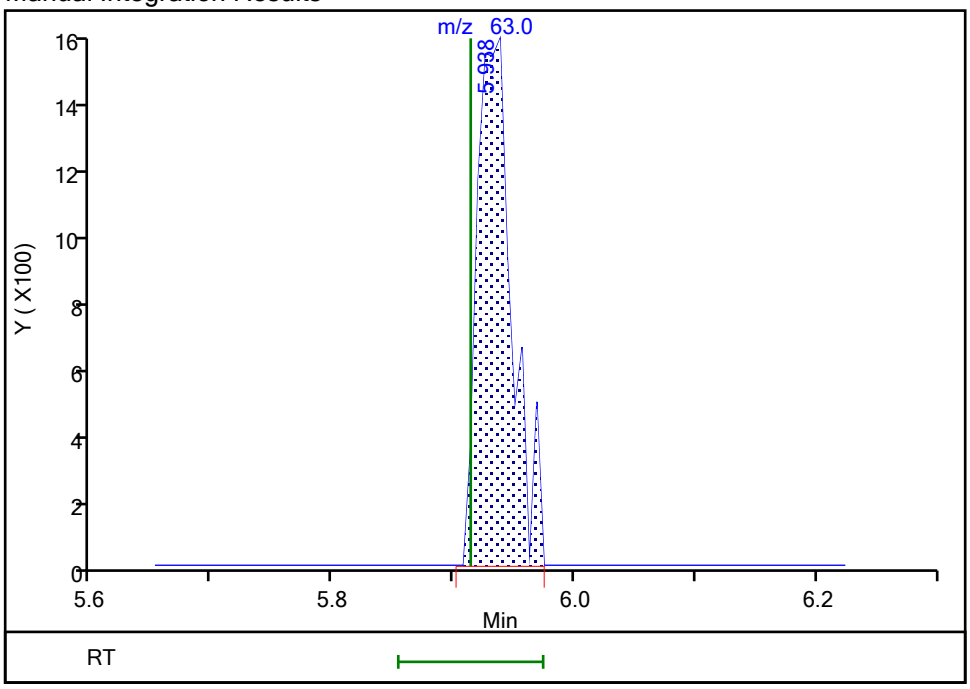
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 3188
Amount: 0.507540
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:05:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo

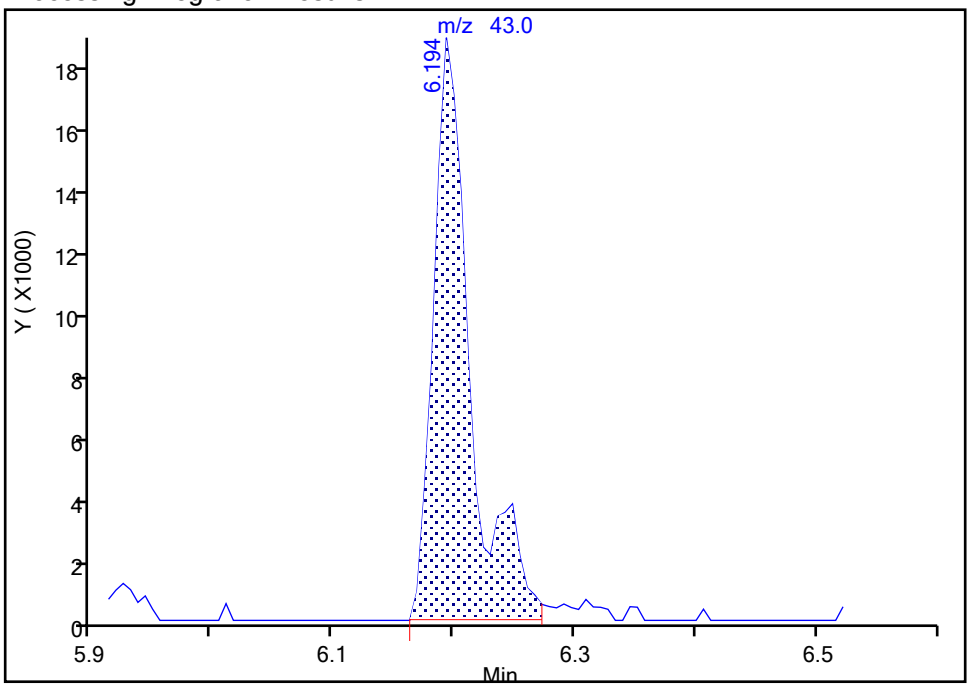
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

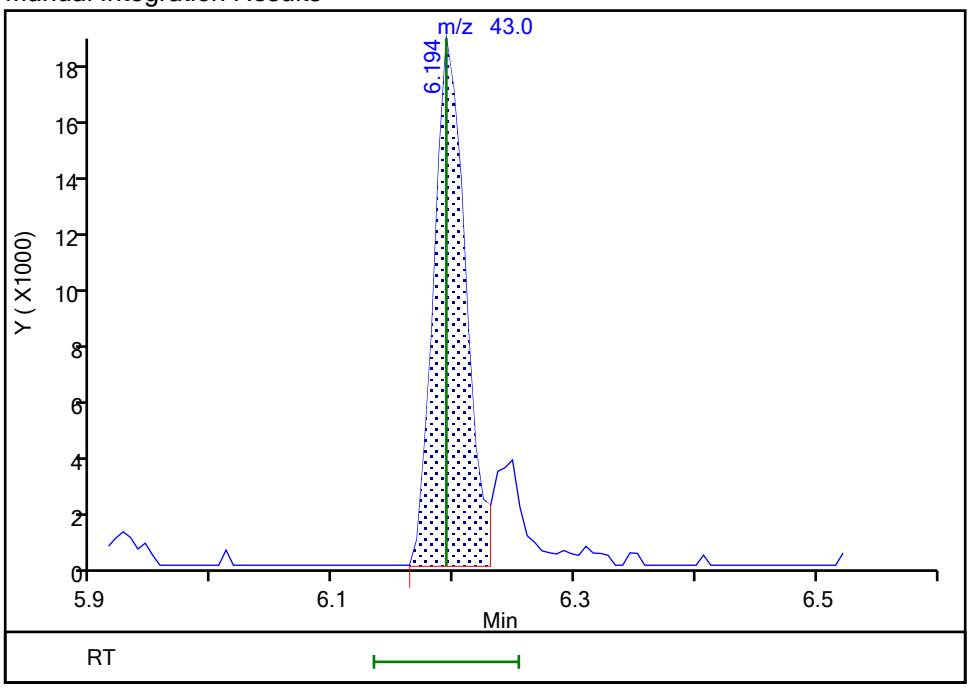
Processing Integration Results

RT: 6.19
Area: 40257
Amount: 2.727212
Amount Units: ug/L



Manual Integration Results

RT: 6.19
Area: 34696
Amount: 2.395606
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:05:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

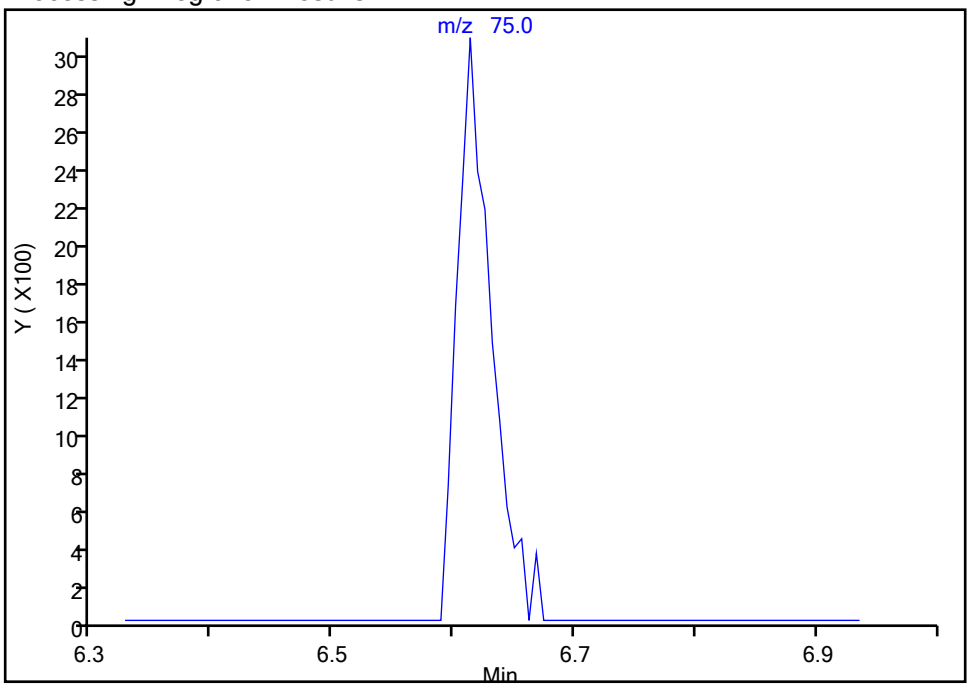
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

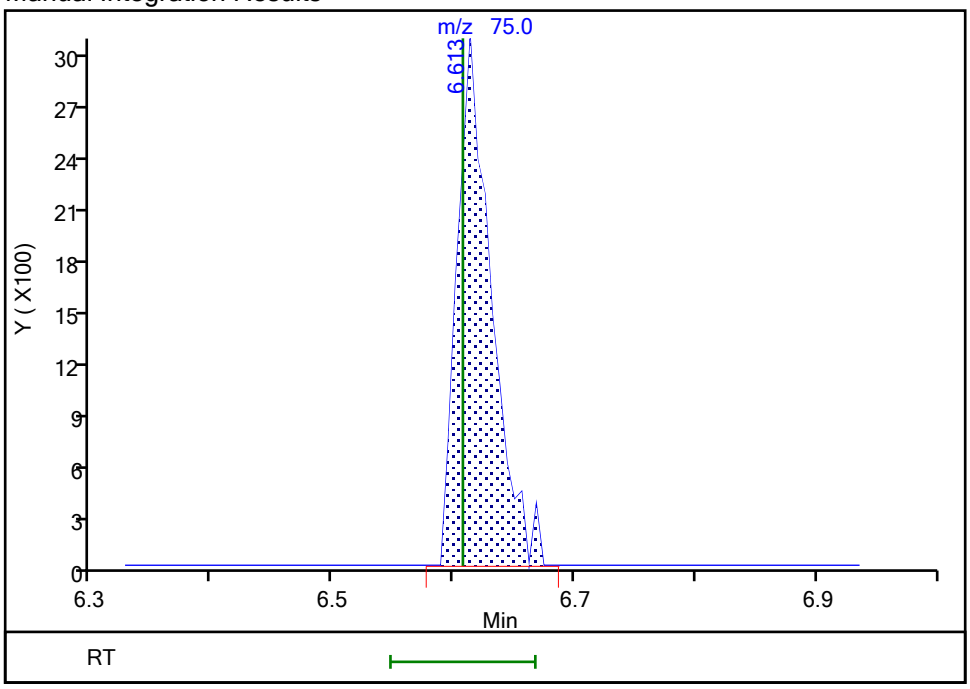
Not Detected
Expected RT: 6.61

Processing Integration Results



Manual Integration Results

RT: 6.61
Area: 6001
Amount: 0.505331
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:05:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo

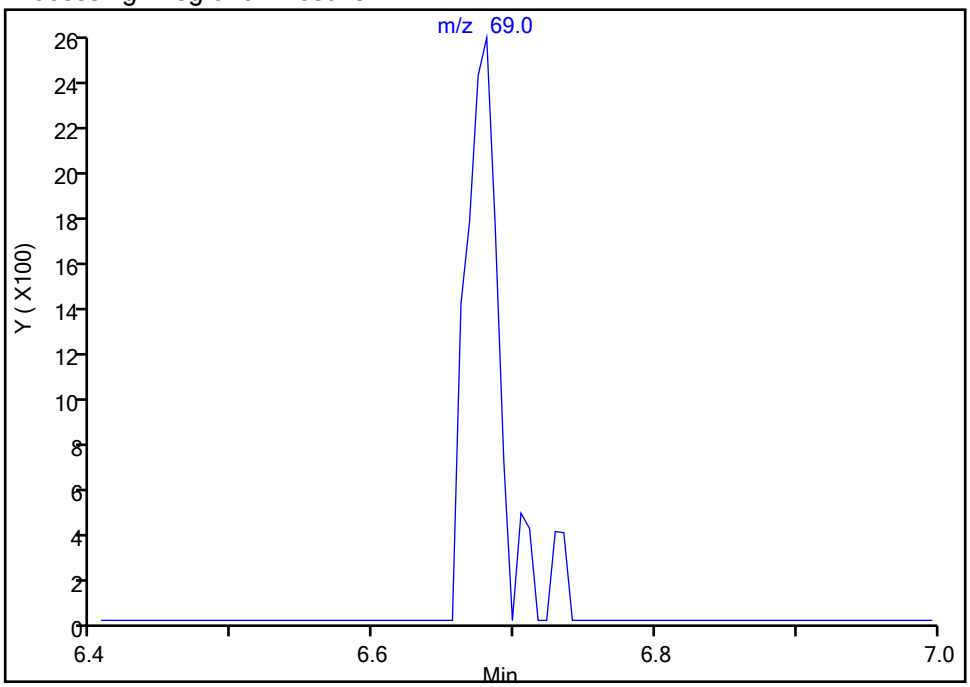
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

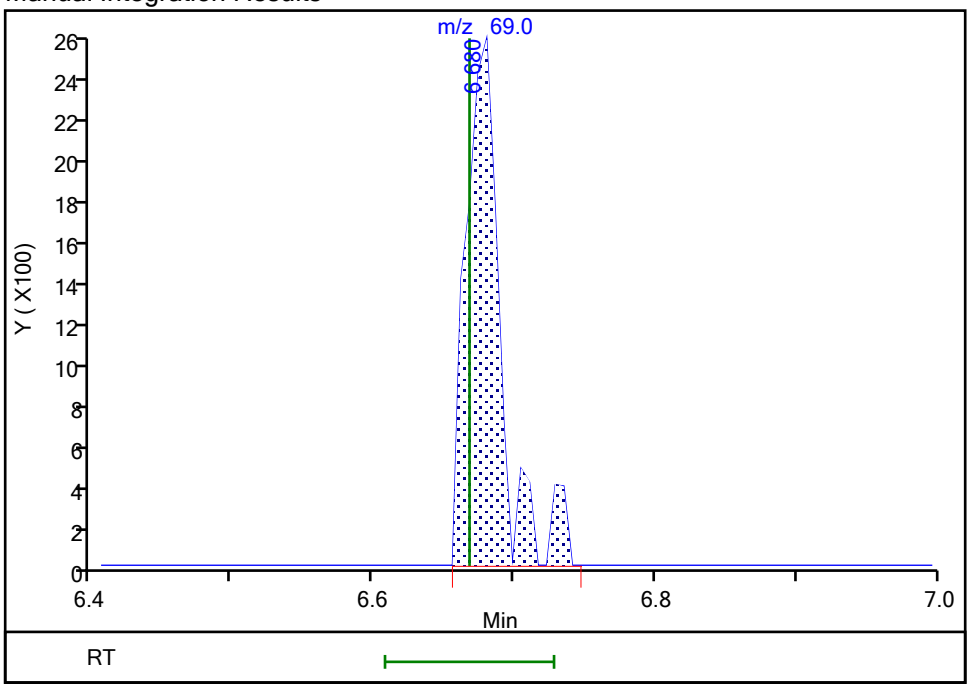
Not Detected
Expected RT: 6.67

Processing Integration Results



Manual Integration Results

RT: 6.68
Area: 4369
Amount: 0.389038
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:05:48 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

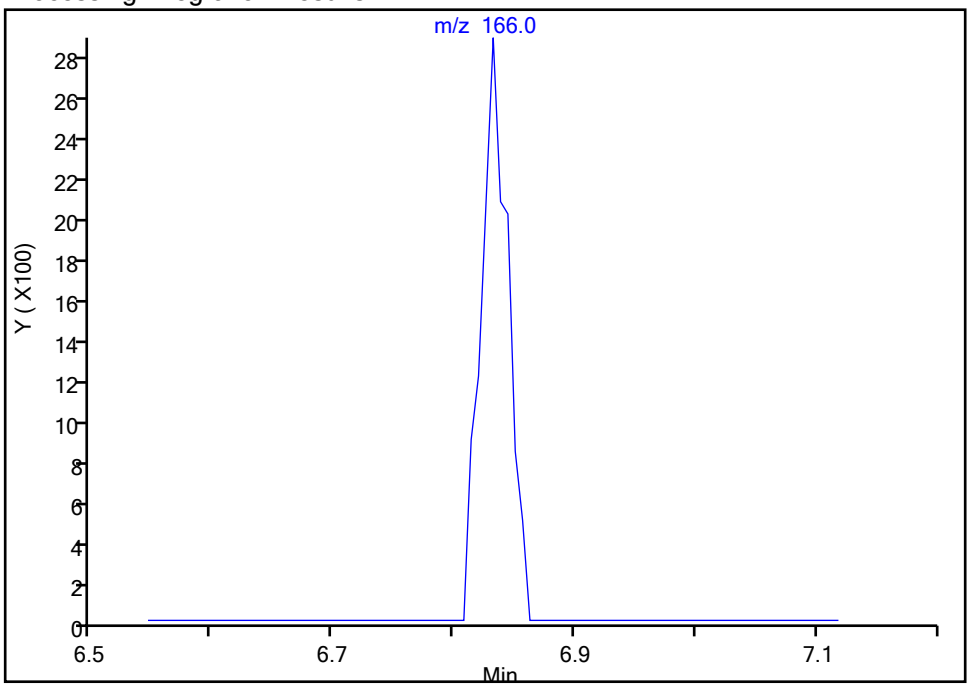
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

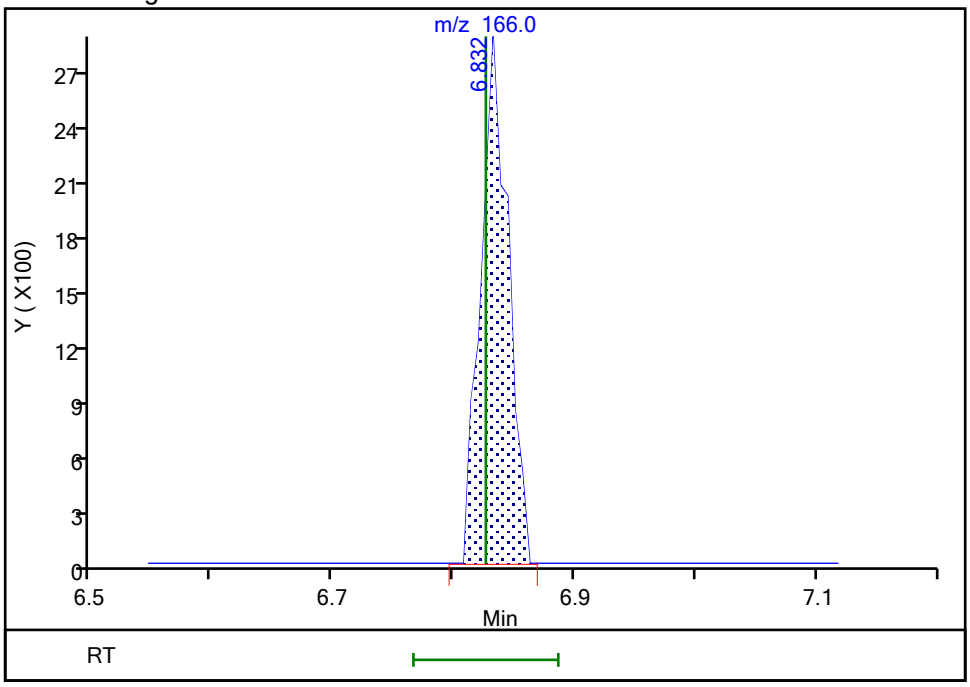
Not Detected
Expected RT: 6.83

Processing Integration Results



Manual Integration Results

RT: 6.83
Area: 4569
Amount: 0.498096
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:05:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

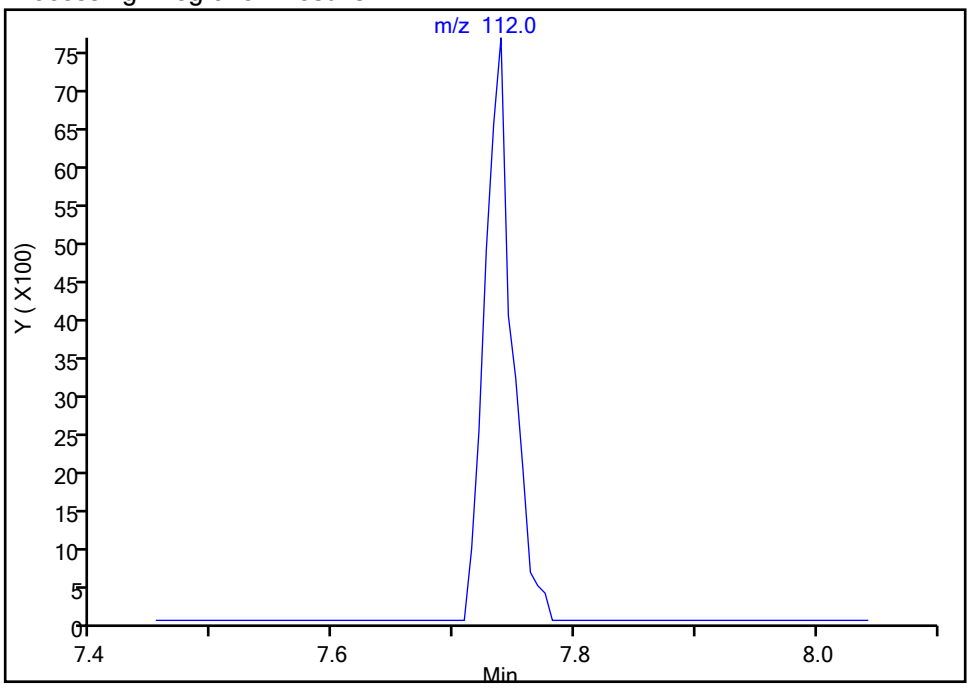
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

87 Chlorobenzene, CAS: 108-90-7

Signal: 1

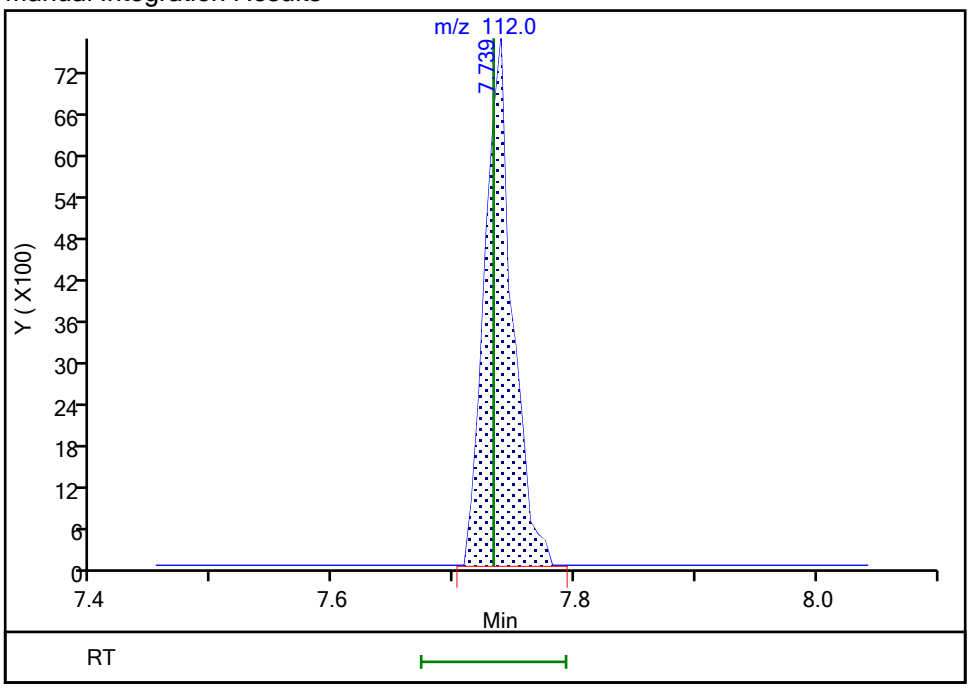
Not Detected
Expected RT: 7.73

Processing Integration Results



Manual Integration Results

RT: 7.74
Area: 12128
Amount: 0.496775
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:05:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

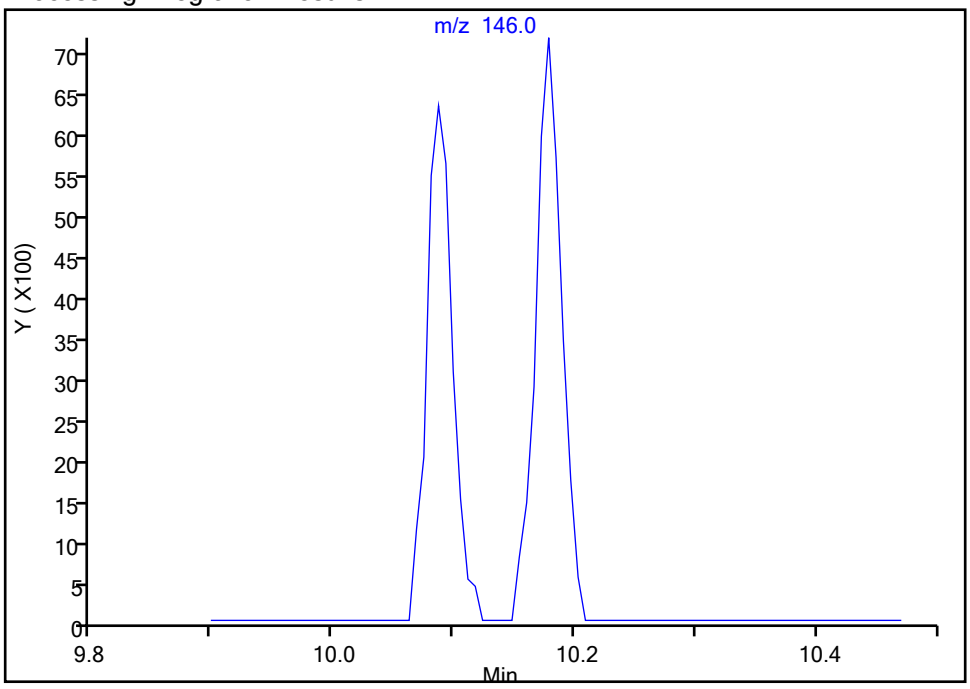
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1899.d
Injection Date: 09-Sep-2024 20:39:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: ZN ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

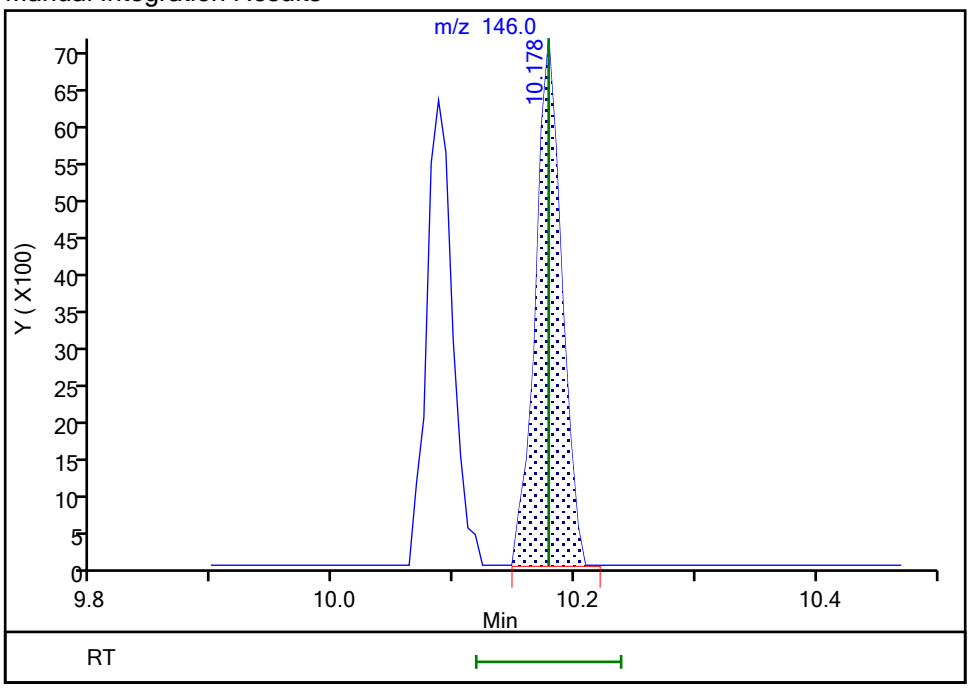
Not Detected
Expected RT: 10.18

Processing Integration Results



Manual Integration Results

RT: 10.18
Area: 10711
Amount: 0.501115
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:06:08 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1900.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 09-Sep-2024 21:03:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0119920-014
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:25:33 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 08:04:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.764	4.758	0.006	98	158866	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	85	313373	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	94	329193	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	59	209440	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.496	-0.006	98	131913	25.0	26.1	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	92	721921	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	-0.001	92	256279	25.0	25.3	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	40	3723	1.00	0.6053	
12 Chloromethane	50	1.126	1.126	0.000	69	8625	1.00	0.8338	
13 Vinyl chloride	62	1.199	1.193	0.006	58	5220	1.00	0.6851	a
151 Butadiene	54	1.223	1.217	0.006	72	3968	1.00	0.7073	
14 Bromomethane	94	1.442	1.442	0.000	68	4450	1.00	0.8485	
15 Chloroethane	64	1.521	1.515	0.006	42	3771	1.00	0.7056	
16 Dichlorofluoromethane	67	1.692	1.686	0.006	45	10100	1.00	0.7398	
17 Trichlorofluoromethane	101	1.673	1.692	-0.019	22	5795	1.00	0.6817	
18 Ethyl ether	59	1.923	1.917	0.006	76	9252	1.00	1.09	a
20 Acrolein	56	2.087	2.081	0.006	64	7836	5.00	5.54	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	67	4031	1.00	0.6479	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.130	2.117	0.013	1	1812	1.00	0.6388	
23 Acetone	43	2.227	2.227	0.000	93	26508	5.00	5.79	
25 Iodomethane	142	2.245	2.245	0.000	75	10789	1.00	0.8921	
26 Carbon disulfide	76	2.288	2.282	0.006	77	15705	1.00	0.7280	
28 3-Chloro-1-propene	41	2.452	2.446	0.006	76	12194	1.00	0.8567	
27 Methyl acetate	43	2.501	2.501	0.000	94	22969	2.00	2.08	
30 Methylene Chloride	84	2.592	2.586	0.006	81	11795	1.00	0.8369	
31 2-Methyl-2-propanol	59	2.762	2.762	0.000	78	12245	10.0	10.0	
32 Methyl tert-butyl ether	73	2.793	2.787	0.006	88	29943	1.00	1.05	
34 trans-1,2-Dichloroethene	96	2.805	2.799	0.006	70	5880	1.00	0.7660	
33 Acrylonitrile	53	2.866	2.860	0.006	99	56001	10.0	10.5	
35 Hexane	57	2.987	2.987	0.000	74	3896	1.00	0.5785	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.194	3.194	0.000	39	12066	1.00	0.8494	
37 Vinyl acetate	43	3.267	3.261	0.006	95	33256	2.00	1.78	
44 2,2-Dichloropropane	77	3.699	3.693	0.006	49	5847	1.00	0.7969	
45 cis-1,2-Dichloroethene	96	3.742	3.736	0.006	58	8625	1.00	0.99	
43 2-Butanone (MEK)	43	3.790	3.778	0.012	96	35323	5.00	5.25	
48 Chlorobromomethane	128	3.961	3.961	0.000	78	4976	1.00	1.02	
49 Tetrahydrofuran	42	3.985	3.973	0.012	69	10861	2.00	2.30	
50 Chloroform	83	4.046	4.046	0.000	81	15121	1.00	1.02	
52 Cyclohexane	56	4.155	4.137	0.018	53	5616	1.00	0.6315	
51 1,1,1-Trichloroethane	97	4.143	4.143	0.000	56	7475	1.00	0.7018	
55 Carbon tetrachloride	117	4.277	4.271	0.006	63	5244	1.00	0.7275	
54 1,1-Dichloropropene	75	4.295	4.289	0.006	51	6767	1.00	0.6716	
57 Benzene	78	4.490	4.490	0.000	40	27615	1.00	0.8833	
53 Isobutyl alcohol	43	4.551	4.551	0.000	71	10713	25.0	21.7	a
58 1,2-Dichloroethane	62	4.563	4.563	0.000	63	12476	1.00	1.00	
59 n-Heptane	43	4.685	4.679	0.006	61	7085	1.00	0.7668	
62 Trichloroethene	95	5.098	5.092	0.006	65	6958	1.00	0.8513	
64 Methylcyclohexane	83	5.196	5.196	0.000	38	4828	1.00	0.6352	
65 1,2-Dichloropropane	63	5.336	5.330	0.006	59	7153	1.00	0.9277	
67 Dibromomethane	93	5.469	5.463	0.006	77	6156	1.00	1.11	
66 1,4-Dioxane	88	5.488	5.482	0.006	0	1042	20.0	15.9	M
68 Dichlorobromomethane	83	5.628	5.628	0.000	63	9984	1.00	1.02	
69 2-Chloroethyl vinyl ether	63	5.932	5.914	0.018	48	4786	1.00	0.8171	
72 cis-1,3-Dichloropropene	75	6.041	6.035	0.006	51	11157	1.00	0.9368	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.193	0.000	94	65098	5.00	4.91	M
74 Toluene	92	6.309	6.309	0.000	84	17220	1.00	0.8592	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	70	9640	1.00	0.8868	a
75 Ethyl methacrylate	69	6.674	6.668	0.006	53	9150	1.00	0.8900	
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	59	6629	1.00	1.04	
81 Tetrachloroethene	166	6.832	6.826	0.006	55	5798	1.00	0.6905	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	72	12822	1.00	1.01	
80 2-Hexanone	43	7.033	7.027	0.006	95	44476	5.00	4.89	
83 Chlorodibromomethane	129	7.179	7.173	0.006	53	6783	1.00	0.9288	
84 Ethylene Dibromide	107	7.270	7.258	0.012	57	8080	1.00	0.99	
87 Chlorobenzene	112	7.733	7.733	0.000	42	20140	1.00	0.9012	
88 Ethylbenzene	91	7.836	7.836	0.000	80	28077	1.00	0.7686	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	22	6839	1.00	0.9521	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	78	11876	1.00	0.8301	
91 o-Xylene	106	8.384	8.377	0.007	80	12637	1.00	0.8568	
92 Styrene	104	8.414	8.408	0.006	80	20197	1.00	0.8692	
95 Bromoform	173	8.651	8.645	0.006	44	4353	1.00	0.8927	
94 Isopropylbenzene	105	8.761	8.761	0.000	74	23666	1.00	0.7547	
101 Bromobenzene	156	9.107	9.101	0.006	60	10327	1.00	1.05	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	48	11992	1.00	1.08	
99 N-Propylbenzene	91	9.211	9.205	0.006	88	32505	1.00	0.8195	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	43	3146	1.00	0.8349	
98 trans-1,4-Dichloro-2-butene	53	9.253	9.247	0.006	1	2724	1.00	0.8610	
103 2-Chlorotoluene	126	9.308	9.302	0.006	69	7456	1.00	0.8596	
102 1,3,5-Trimethylbenzene	105	9.399	9.400	-0.001	75	24900	1.00	0.8574	
105 4-Chlorotoluene	126	9.436	9.430	0.006	54	7781	1.00	0.8804	
106 tert-Butylbenzene	134	9.734	9.734	0.000	65	5073	1.00	0.7912	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	60	26622	1.00	0.8756	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	67	24924	1.00	0.7239	
111 1,3-Dichlorobenzene	146	10.087	10.081	0.006	71	17082	1.00	0.9422	
110 4-Isopropyltoluene	119	10.111	10.105	0.006	80	22743	1.00	0.7300	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	72	19909	1.00	1.04	
115 n-Butylbenzene	91	10.507	10.507	0.000	71	18994	1.00	0.7130	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	69	18320	1.00	0.9797	
117 1,2-Dibromo-3-Chloropropane	75	11.298	11.292	0.006	13	2574	1.00	1.07	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	63	12163	1.00	0.9655	
120 Hexachlorobutadiene	225	12.094	12.095	-0.001	33	4656	1.00	0.8523	
121 Naphthalene	128	12.186	12.186	0.000	85	46988	1.00	1.09	
122 1,2,3-Trichlorobenzene	180	12.393	12.387	0.006	53	13383	1.00	1.06	
S 125 1,2-Dichloroethene, Total	1				0			1.76	
S 123 Total BTEX	1				0			4.20	
S 126 1,3-Dichloropropene, Total	1				0			1.82	
S 124 Xylenes, Total	1				0			1.69	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00258	Amount Added:	1.00	Units: uL	
GAS CORP mix_00639	Amount Added:	1.00	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

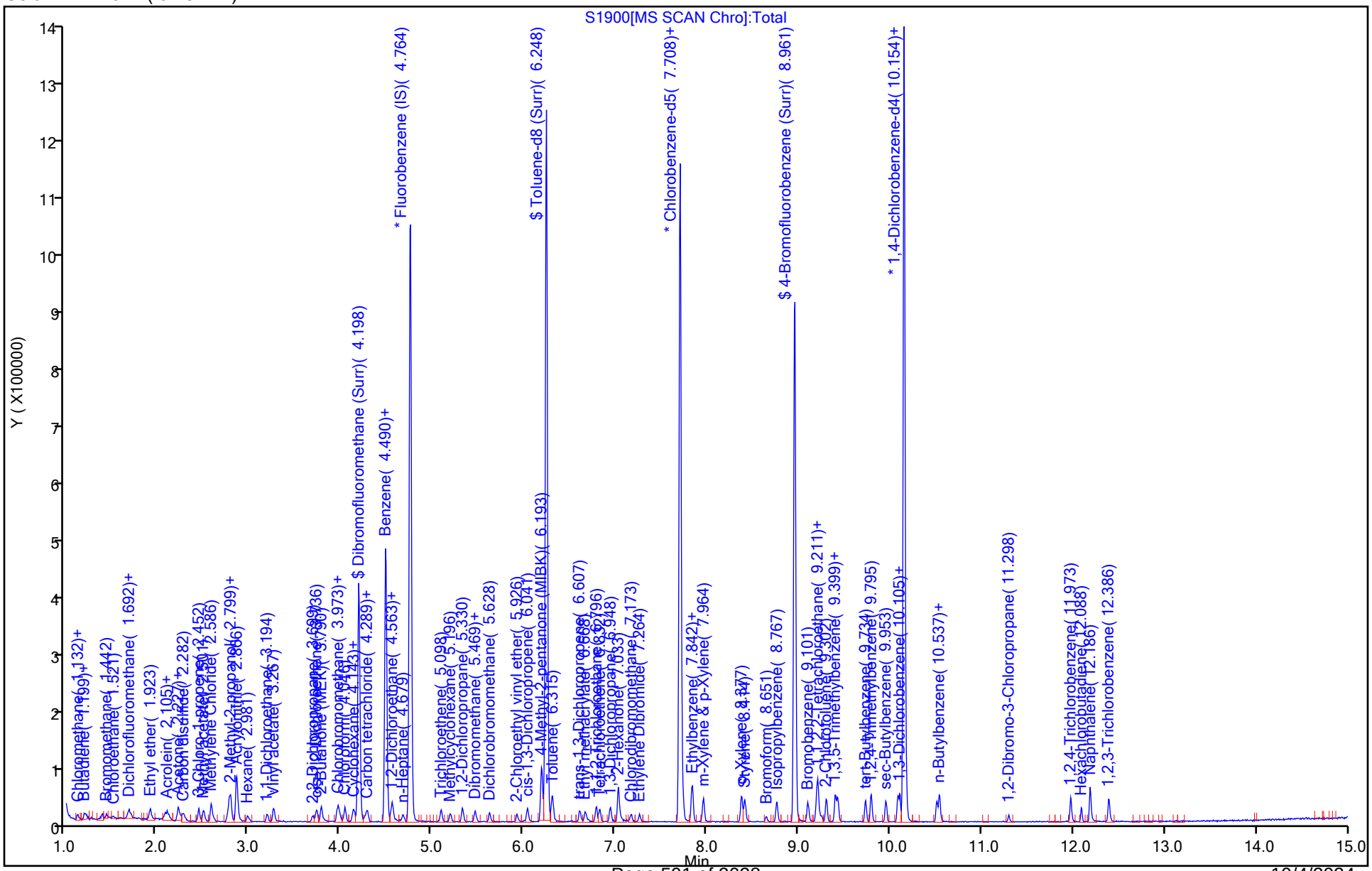
Report Date: 10-Sep-2024 10:25:34 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1900.d

Injection Date:	09-Sep-2024 21:03:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	IC			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

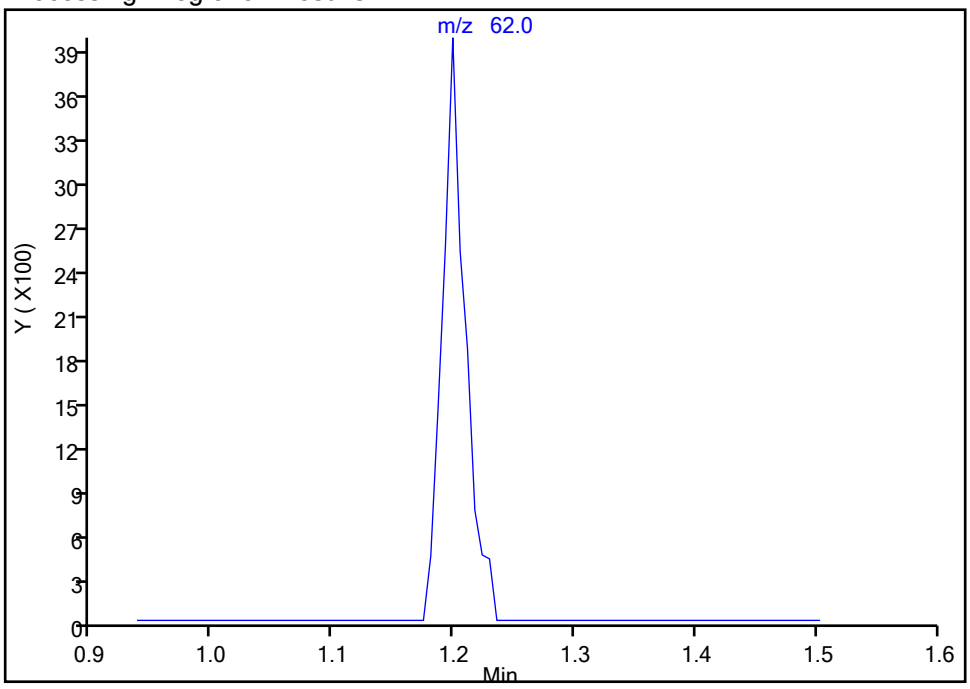
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1900.d
Injection Date: 09-Sep-2024 21:03:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: ZN ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

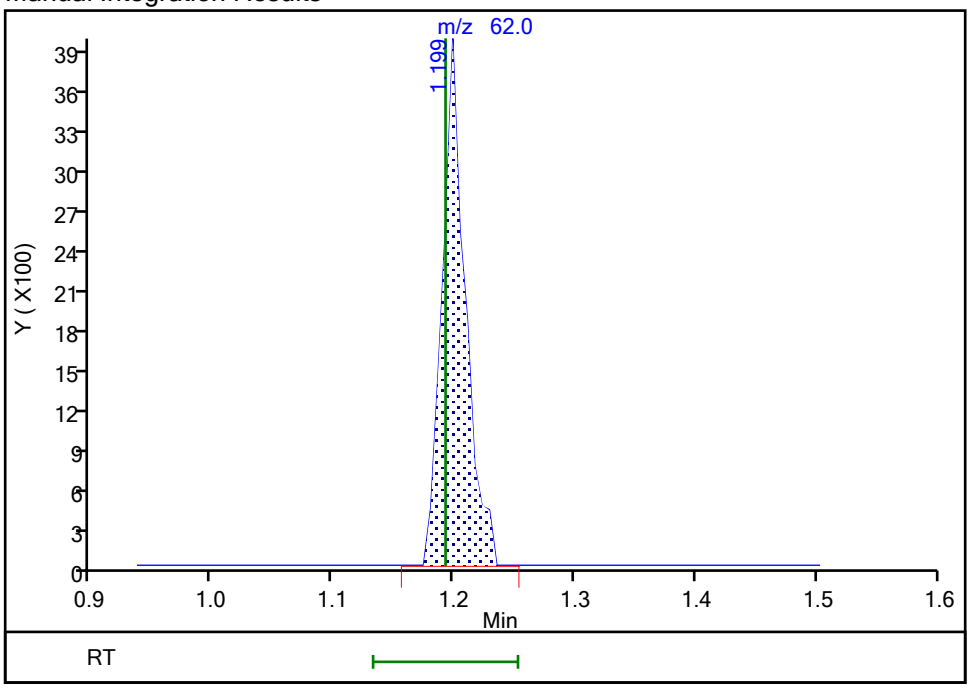
Not Detected
Expected RT: 1.19

Processing Integration Results



Manual Integration Results

RT: 1.20
Area: 5220
Amount: 0.685121
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:56:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

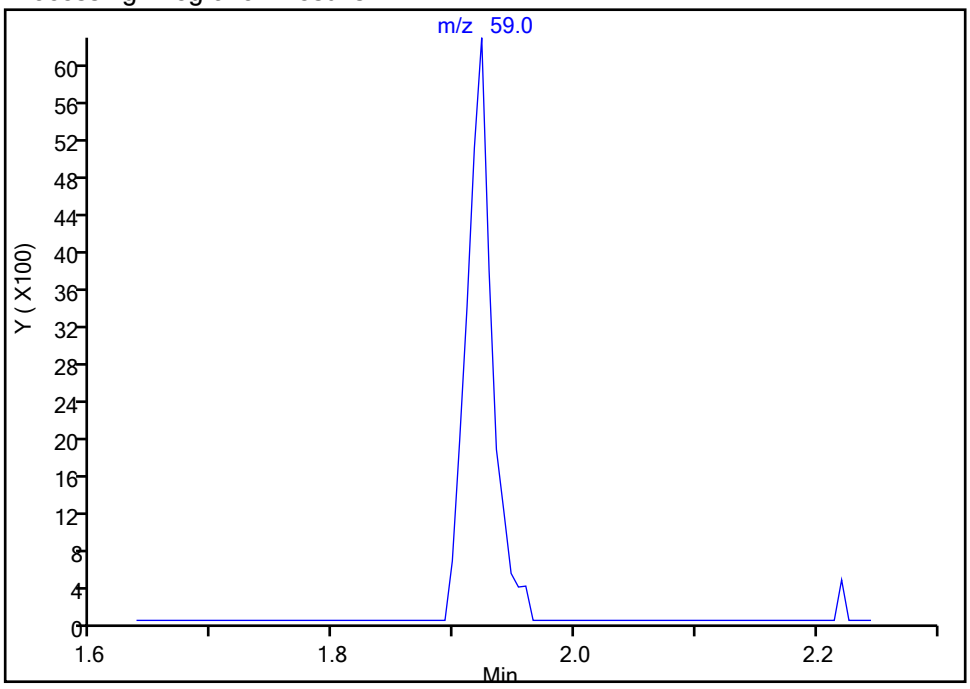
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1900.d
Injection Date: 09-Sep-2024 21:03:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: ZN ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

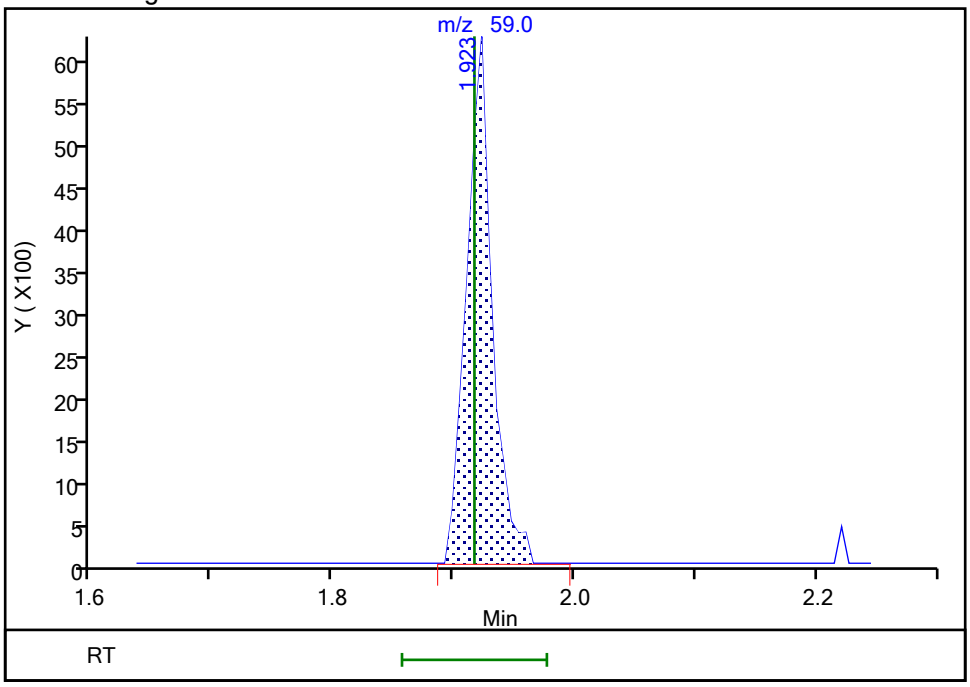
Not Detected
Expected RT: 1.92

Processing Integration Results



Manual Integration Results

RT: 1.92
Area: 9252
Amount: 1.088090
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:56:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

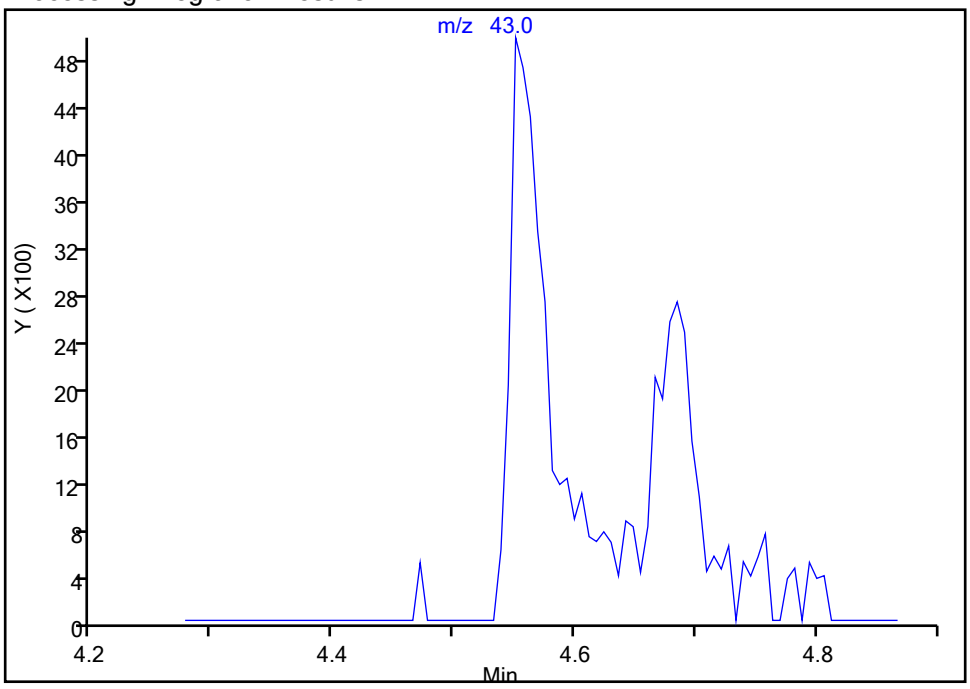
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1900.d
Injection Date: 09-Sep-2024 21:03:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: ZN ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

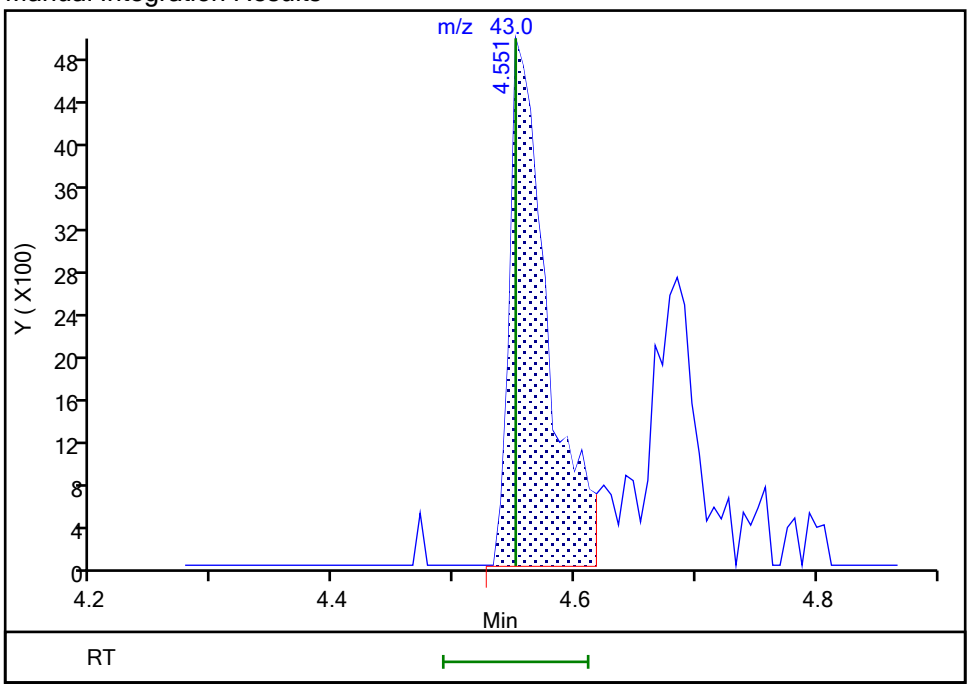
Not Detected
Expected RT: 4.55

Processing Integration Results



Manual Integration Results

RT: 4.55
Area: 10713
Amount: 21.663737
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:56:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo

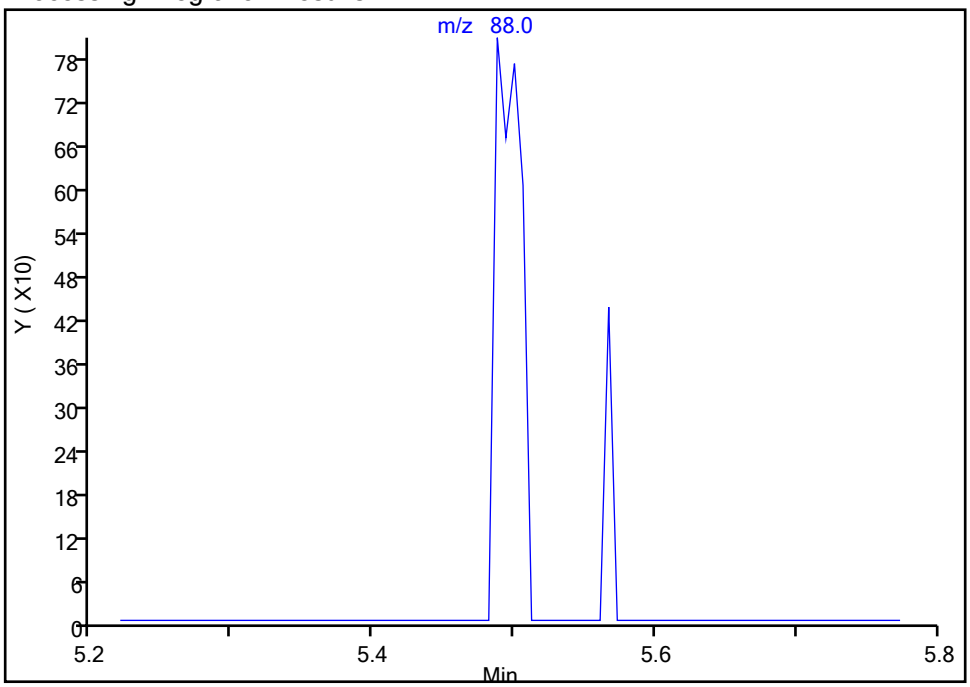
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1900.d
Injection Date: 09-Sep-2024 21:03:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: ZN ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

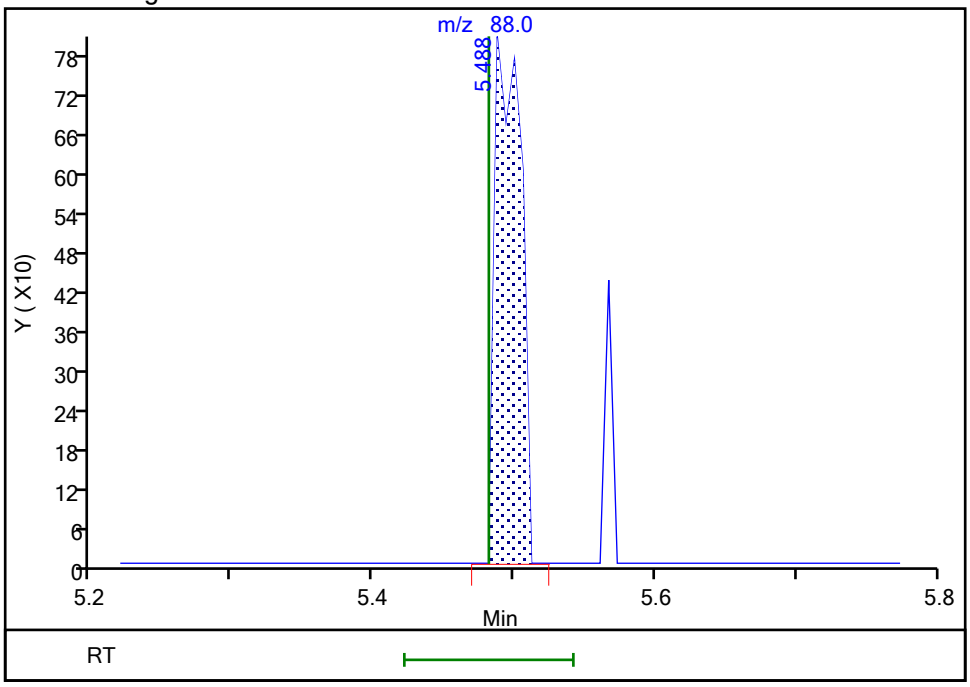
Not Detected
Expected RT: 5.48

Processing Integration Results



Manual Integration Results

RT: 5.49
Area: 1042
Amount: 15.869569
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:57:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

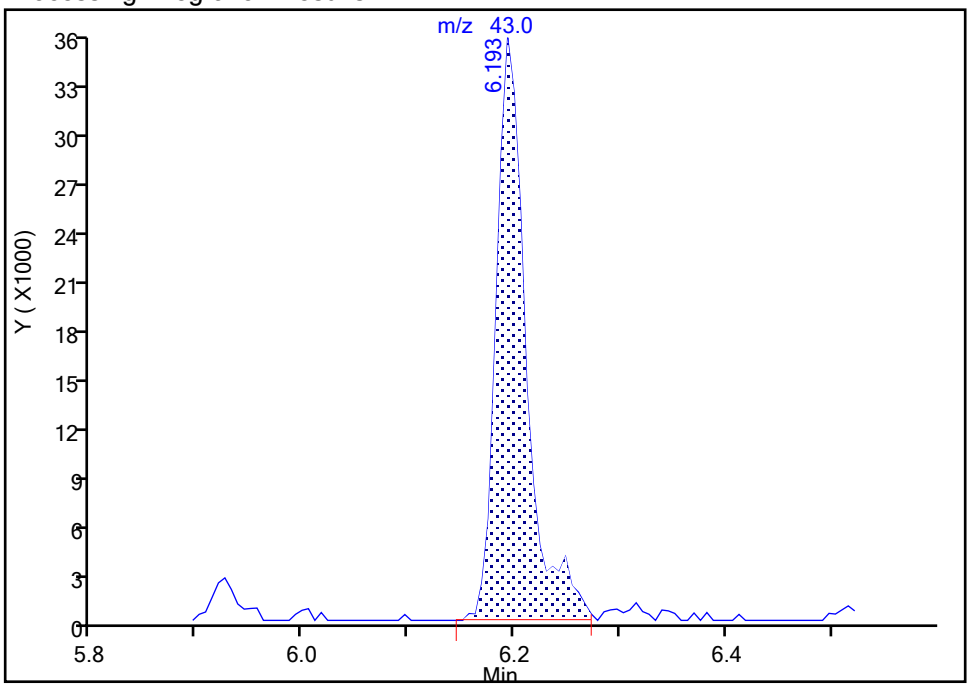
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1900.d
Injection Date: 09-Sep-2024 21:03:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: ZN ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

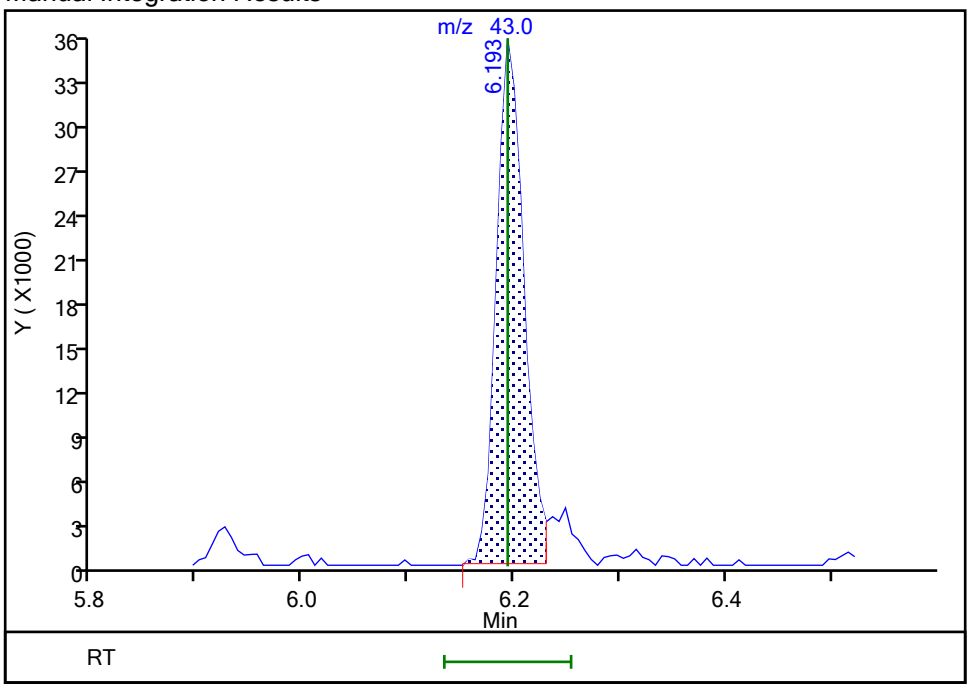
Processing Integration Results

RT: 6.19
Area: 70841
Amount: 5.187407
Amount Units: ug/L



Manual Integration Results

RT: 6.19
Area: 65098
Amount: 4.910006
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:03:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

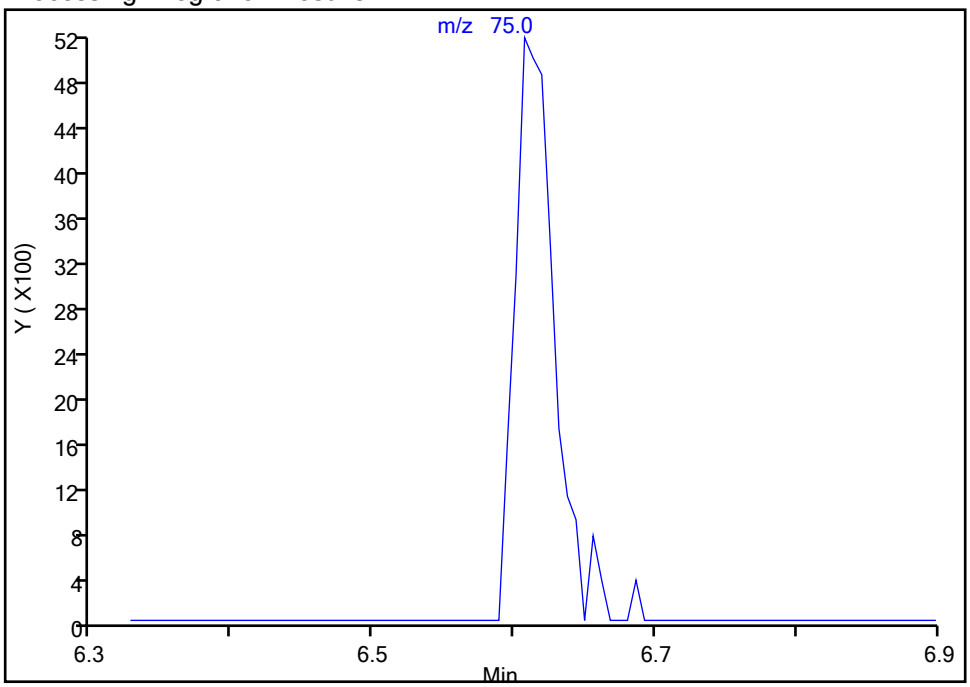
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1900.d
Injection Date: 09-Sep-2024 21:03:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: ZN ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

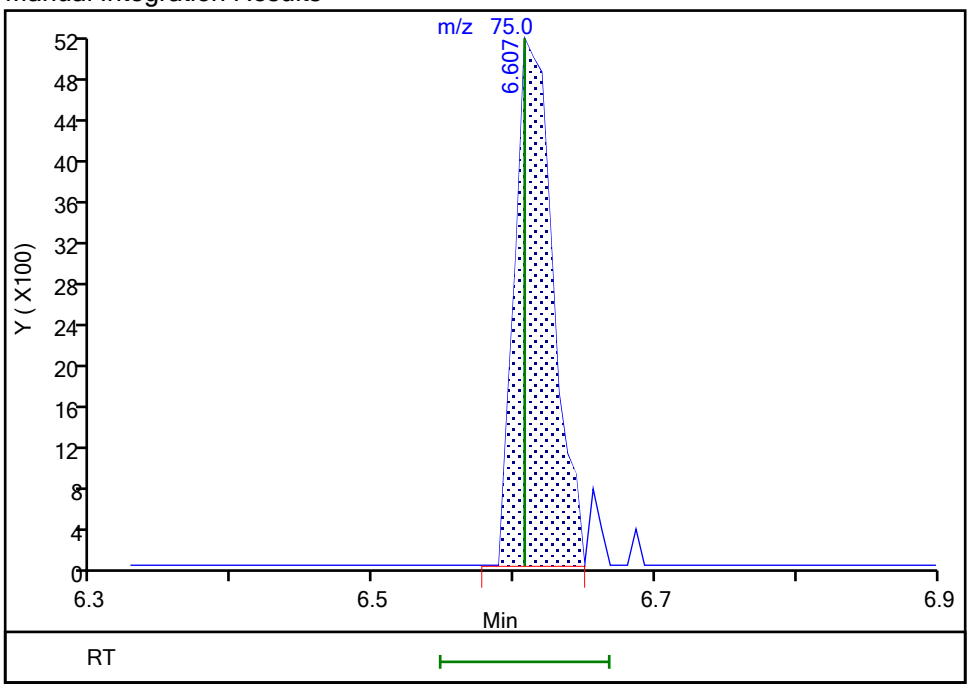
Not Detected
Expected RT: 6.61

Processing Integration Results



Manual Integration Results

RT: 6.61
Area: 9640
Amount: 0.886762
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:03:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1901.d
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 09-Sep-2024 21:39:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0119920-015
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:25:47 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 07:55:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.764	4.758	0.006	99	147498	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	85	309391	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	94	342987	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	65	205550	25.0	27.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.496	-0.006	93	130954	25.0	27.9	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	92	736923	25.0	26.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	-0.001	92	275132	25.0	27.5	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	80	15241	2.00	2.17	
12 Chloromethane	50	1.132	1.126	0.006	83	21958	2.00	2.29	M
13 Vinyl chloride	62	1.205	1.193	0.012	76	15533	2.00	2.20	
151 Butadiene	54	1.217	1.217	0.000	80	12733	2.00	1.97	
14 Bromomethane	94	1.436	1.442	-0.006	64	11806	2.00	2.42	
15 Chloroethane	64	1.521	1.515	0.006	59	11896	2.00	2.40	
16 Dichlorofluoromethane	67	1.692	1.686	0.006	66	29956	2.00	2.36	
17 Trichlorofluoromethane	101	1.685	1.692	-0.007	45	20262	2.00	2.17	
18 Ethyl ether	59	1.917	1.917	0.000	91	16676	2.00	2.11	Ma
20 Acrolein	56	2.081	2.081	0.000	84	13939	10.0	10.6	
22 1,1-Dichloroethene	96	2.111	2.105	0.006	74	14006	2.00	2.42	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.130	2.117	0.013	45	11914	2.00	2.44	
23 Acetone	43	2.227	2.227	0.000	96	47849	10.0	11.3	
25 Iodomethane	142	2.257	2.245	0.012	79	23054	2.00	2.05	
26 Carbon disulfide	76	2.282	2.282	0.000	98	46132	2.00	2.30	
28 3-Chloro-1-propene	41	2.452	2.446	0.006	81	28795	2.00	2.18	
27 Methyl acetate	43	2.507	2.501	0.006	97	46964	4.00	4.59	
30 Methylene Chloride	84	2.592	2.586	0.006	85	21196	2.00	2.30	
31 2-Methyl-2-propanol	59	2.762	2.762	0.000	85	25518	20.0	22.5	
32 Methyl tert-butyl ether	73	2.793	2.787	0.006	89	59638	2.00	2.24	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	87	16644	2.00	2.34	
33 Acrylonitrile	53	2.860	2.860	0.000	99	114930	20.0	23.2	
35 Hexane	57	2.987	2.987	0.000	81	21933	2.00	2.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.200	3.194	0.006	83	28407	2.00	2.15	
37 Vinyl acetate	43	3.267	3.261	0.006	97	66786	4.00	3.85	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	67	15799	2.00	2.32	
45 cis-1,2-Dichloroethene	96	3.742	3.736	0.006	57	17356	2.00	2.15	
43 2-Butanone (MEK)	43	3.784	3.778	0.006	97	70434	10.0	11.3	
48 Chlorobromomethane	128	3.961	3.961	0.000	84	10212	2.00	2.25	
49 Tetrahydrofuran	42	3.979	3.973	0.006	91	20412	4.00	4.66	
50 Chloroform	83	4.046	4.046	0.000	89	31837	2.00	2.32	
52 Cyclohexane	56	4.143	4.137	0.006	91	26118	2.00	2.33	
51 1,1,1-Trichloroethane	97	4.143	4.143	0.000	88	20941	2.00	2.12	
55 Carbon tetrachloride	117	4.271	4.271	0.000	73	17890	2.00	2.22	
54 1,1-Dichloropropene	75	4.295	4.289	0.006	77	21269	2.00	2.27	
57 Benzene	78	4.490	4.490	0.000	54	65819	2.00	2.27	
53 Isobutyl alcohol	43	4.557	4.551	0.006	52	26432	50.0	57.6	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	39	27506	2.00	2.37	
59 n-Heptane	43	4.679	4.679	0.000	93	21725	2.00	2.28	
62 Trichloroethene	95	5.098	5.092	0.006	81	16659	2.00	2.20	
64 Methylcyclohexane	83	5.202	5.196	0.006	83	23308	2.00	2.37	
65 1,2-Dichloropropane	63	5.330	5.330	0.000	72	15842	2.00	2.21	
67 Dibromomethane	93	5.469	5.463	0.006	82	10639	2.00	2.07	
66 1,4-Dioxane	88	5.488	5.482	0.006	0	2847	40.0	38.9	M
68 Dichlorobromomethane	83	5.628	5.628	0.000	77	20301	2.00	2.24	
69 2-Chloroethyl vinyl ether	63	5.920	5.914	0.006	71	11676	2.00	2.15	
72 cis-1,3-Dichloropropene	75	6.041	6.035	0.006	60	23545	2.00	2.13	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.193	0.000	98	143192	10.0	10.9	
74 Toluene	92	6.309	6.309	0.000	93	43053	2.00	2.18	
77 trans-1,3-Dichloropropene	75	6.613	6.607	0.006	87	22915	2.00	2.14	
75 Ethyl methacrylate	69	6.668	6.668	0.000	81	19505	2.00	1.92	
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	83	12836	2.00	2.04	
81 Tetrachloroethene	166	6.832	6.826	0.006	81	17981	2.00	2.17	
82 1,3-Dichloropropane	76	6.948	6.942	0.006	93	27429	2.00	2.19	
80 2-Hexanone	43	7.033	7.027	0.006	98	100471	10.0	11.2	
83 Chlorodibromomethane	129	7.173	7.173	0.000	69	15329	2.00	2.13	
84 Ethylene Dibromide	107	7.264	7.258	0.006	68	16803	2.00	2.09	
87 Chlorobenzene	112	7.739	7.733	0.006	49	47705	2.00	2.16	
88 Ethylbenzene	91	7.836	7.836	0.000	94	80608	2.00	2.24	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.836	0.006	30	14405	2.00	2.03	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	99	30947	2.00	2.19	
91 o-Xylene	106	8.377	8.377	0.000	94	31950	2.00	2.19	
92 Styrene	104	8.414	8.408	0.006	87	49283	2.00	2.15	
95 Bromoform	173	8.651	8.645	0.006	84	10224	2.00	2.12	
94 Isopropylbenzene	105	8.767	8.761	0.006	86	73070	2.00	2.24	
101 Bromobenzene	156	9.107	9.101	0.006	83	22512	2.00	2.20	
97 1,1,2,2-Tetrachloroethane	83	9.199	9.193	0.006	54	23676	2.00	2.05	
99 N-Propylbenzene	91	9.205	9.205	0.000	97	91113	2.00	2.20	
100 1,2,3-Trichloropropane	110	9.223	9.217	0.006	64	8333	2.00	2.12	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.247	-0.006	1	6370	2.00	1.93	
103 2-Chlorotoluene	126	9.302	9.302	0.000	91	21021	2.00	2.33	
102 1,3,5-Trimethylbenzene	105	9.406	9.400	0.006	91	64697	2.00	2.14	
105 4-Chlorotoluene	126	9.430	9.430	0.000	85	20464	2.00	2.22	
106 tert-Butylbenzene	134	9.728	9.734	-0.006	83	15119	2.00	2.26	
107 1,2,4-Trimethylbenzene	105	9.795	9.789	0.006	69	69070	2.00	2.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	81	77795	2.00	2.17	
111 1,3-Dichlorobenzene	146	10.087	10.081	0.006	94	41298	2.00	2.19	
110 4-Isopropyltoluene	119	10.111	10.105	0.006	89	70326	2.00	2.17	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	49	42721	2.00	2.15	
115 n-Butylbenzene	91	10.507	10.507	0.000	90	60314	2.00	2.17	
116 1,2-Dichlorobenzene	146	10.543	10.537	0.006	89	43951	2.00	2.26	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.292	-0.001	22	4862	2.00	1.94	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	85	28717	2.00	2.19	
120 Hexachlorobutadiene	225	12.094	12.095	-0.001	77	12401	2.00	2.18	
121 Naphthalene	128	12.186	12.186	0.000	93	88750	2.00	1.97	
122 1,2,3-Trichlorobenzene	180	12.393	12.387	0.006	84	27645	2.00	2.10	
S 125 1,2-Dichloroethene, Total	1				0			4.48	
S 123 Total BTEX	1				0			11.1	
S 126 1,3-Dichloropropene, Total	1				0			4.26	
S 124 Xylenes, Total	1				0			4.39	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00258	Amount Added:	2.00	Units: uL	
GAS CORP mix_00639	Amount Added:	2.00	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

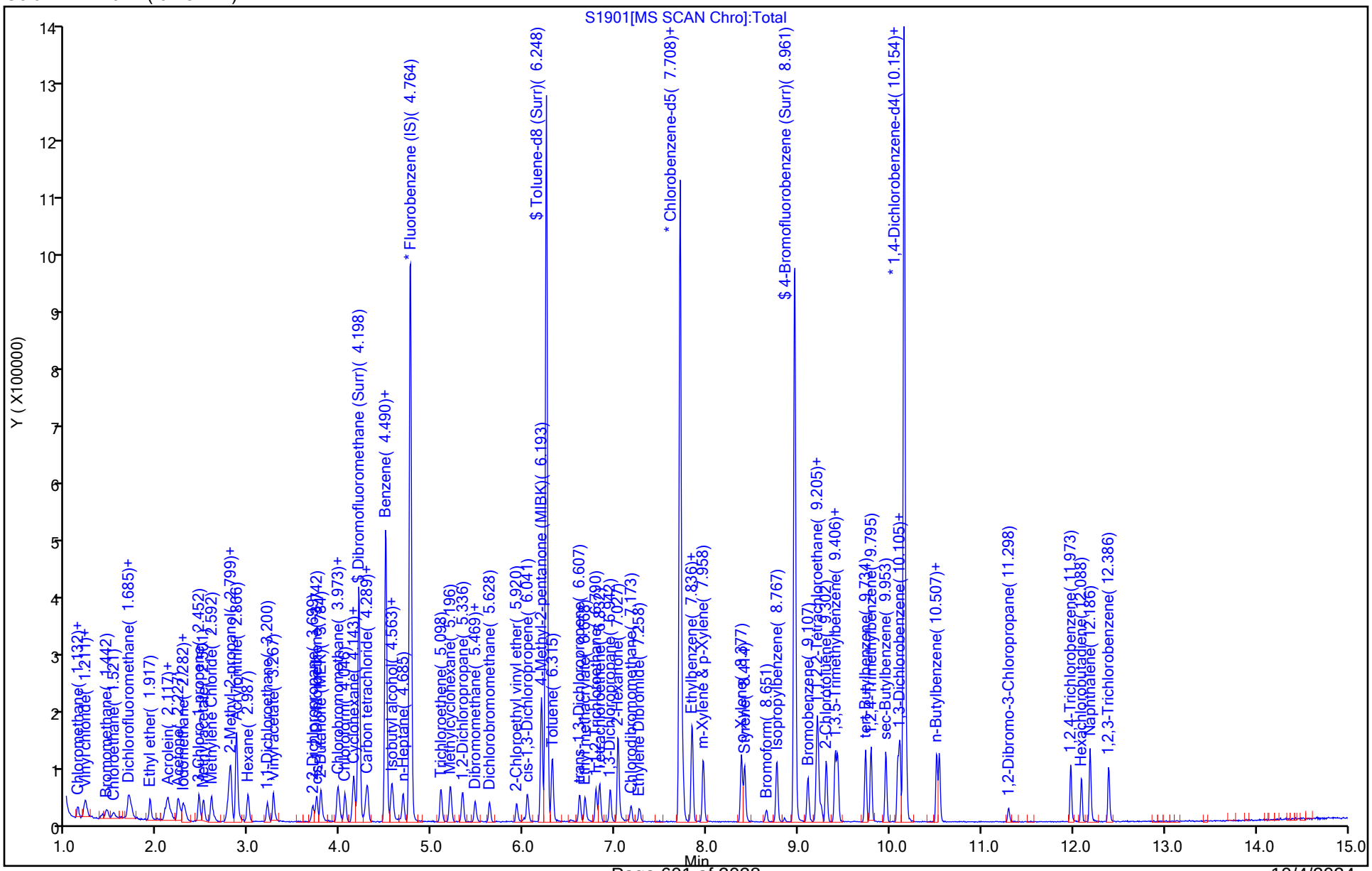
Report Date: 10-Sep-2024 10:25:47 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1901.d

Injection Date:	09-Sep-2024 21:39:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	IC 2			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

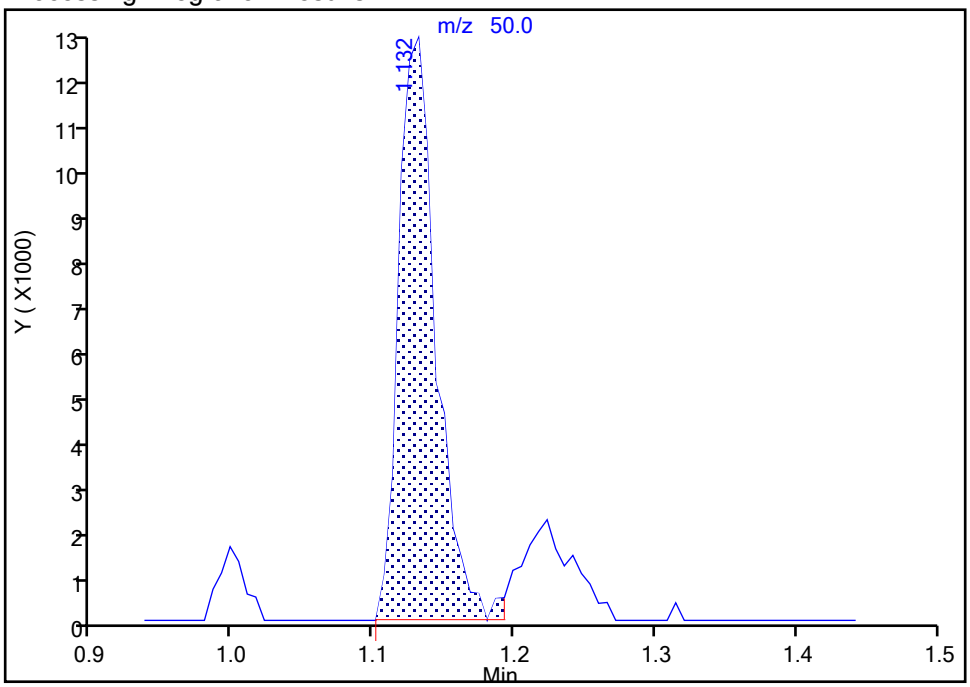
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1901.d
Injection Date: 09-Sep-2024 21:39:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: ZN ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

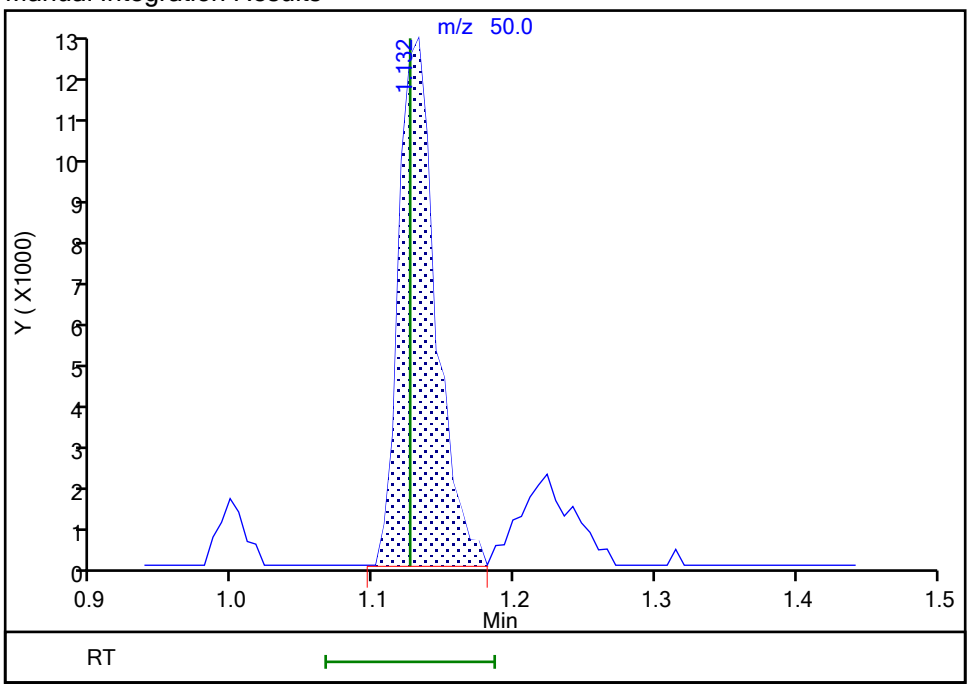
Processing Integration Results

RT: 1.13
Area: 22293
Amount: 2.316278
Amount Units: ug/L



Manual Integration Results

RT: 1.13
Area: 21958
Amount: 2.286445
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:54:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

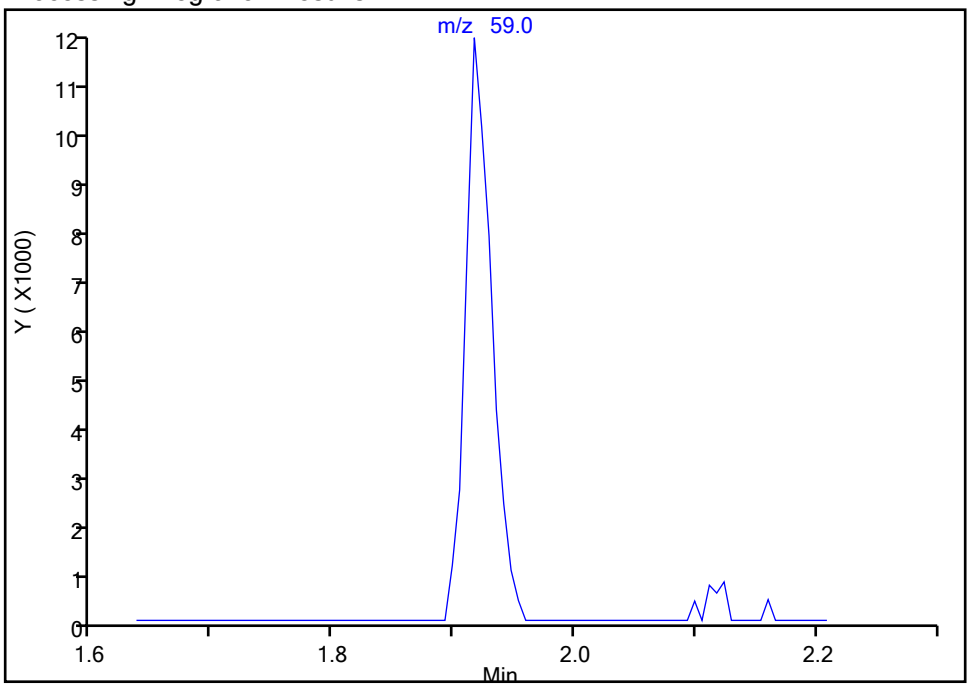
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1901.d
Injection Date: 09-Sep-2024 21:39:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: ZN ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

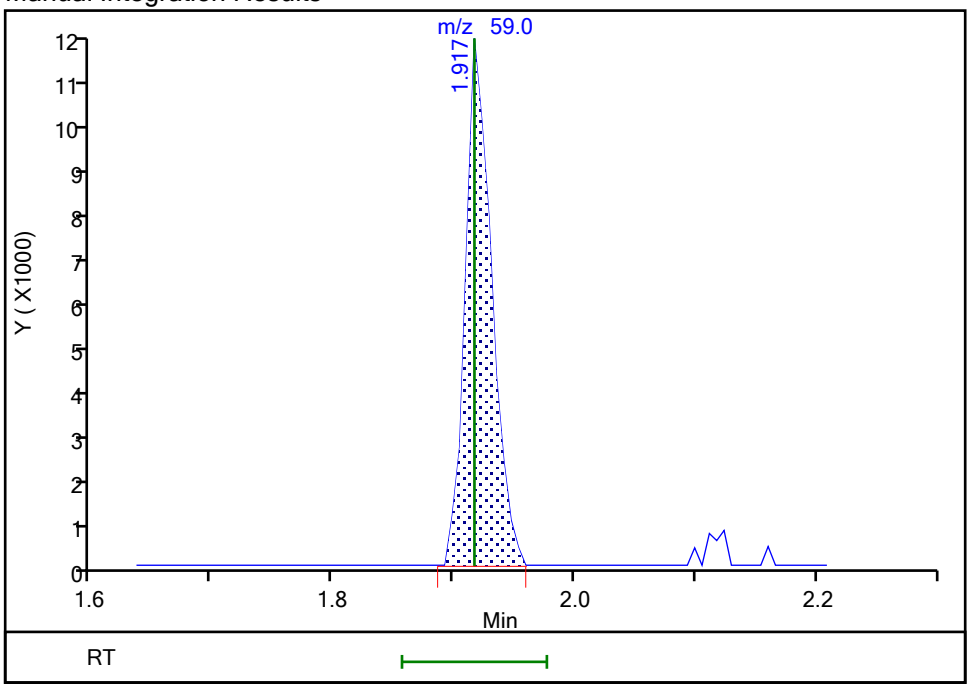
Not Detected
Expected RT: 1.92

Processing Integration Results



Manual Integration Results

RT: 1.92
Area: 16676
Amount: 2.112349
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:54:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

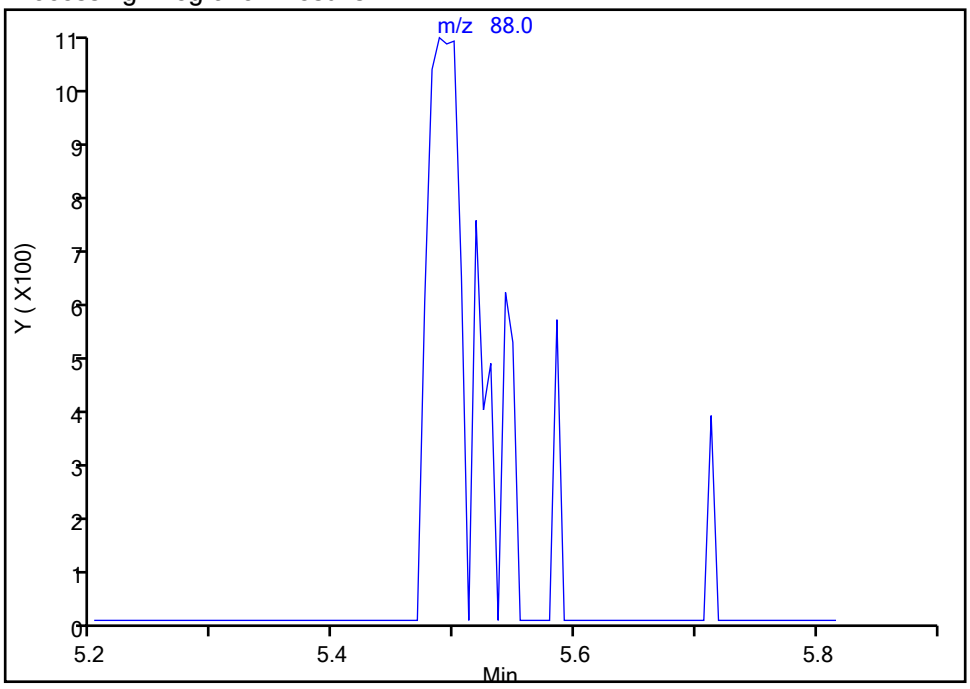
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1901.d
Injection Date: 09-Sep-2024 21:39:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: ZN ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

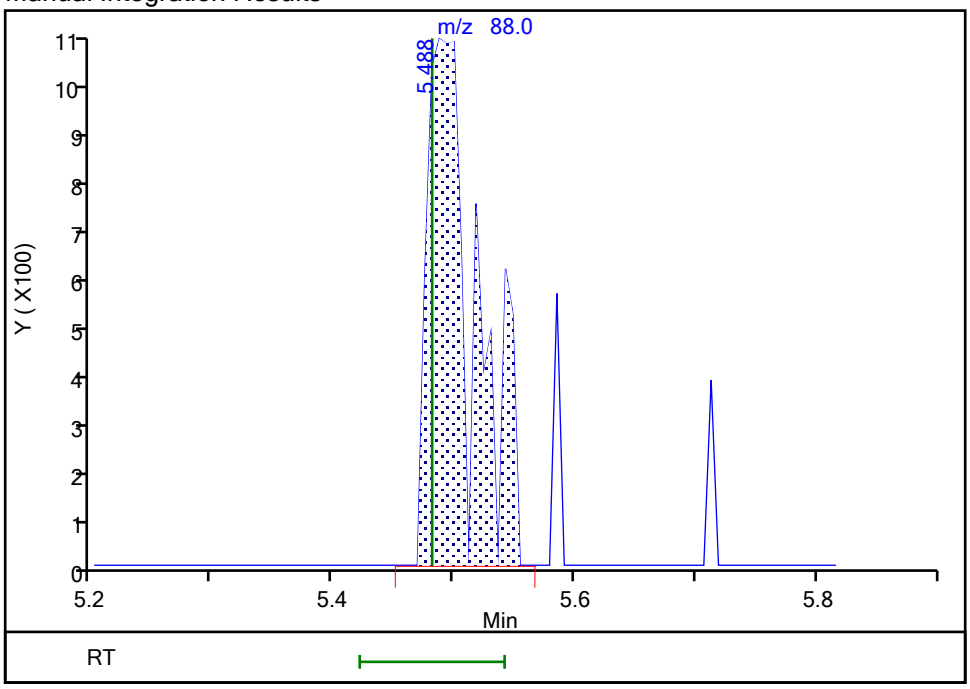
Not Detected
Expected RT: 5.48

Processing Integration Results



Manual Integration Results

RT: 5.49
Area: 2847
Amount: 38.853030
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:55:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1902.d
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 09-Sep-2024 22:00:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0119920-016
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:26:01 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 07:49:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	171686	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	85	342248	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	91	378132	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	57	208781	25.0	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.496	-0.006	90	132124	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	91	728233	25.0	23.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	-0.001	92	264740	25.0	23.9	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	95	43968	5.00	5.16	
12 Chloromethane	50	1.120	1.126	-0.006	89	58998	5.00	5.28	
13 Vinyl chloride	62	1.193	1.193	0.000	81	45519	5.00	5.53	
151 Butadiene	54	1.217	1.217	0.000	92	44160	5.00	5.48	
14 Bromomethane	94	1.436	1.442	-0.006	84	29366	5.00	5.18	
15 Chloroethane	64	1.515	1.515	0.000	90	28146	5.00	4.87	
16 Dichlorofluoromethane	67	1.686	1.686	0.000	78	77714	5.00	5.27	
17 Trichlorofluoromethane	101	1.686	1.692	-0.006	56	61527	5.00	5.44	
18 Ethyl ether	59	1.917	1.917	0.000	97	44325	5.00	4.82	
20 Acrolein	56	2.081	2.081	0.000	90	36101	25.0	23.6	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	92	36970	5.00	5.50	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.117	2.117	0.000	44	31539	5.00	5.10	
23 Acetone	43	2.227	2.227	0.000	93	120570	25.0	24.4	
25 Iodomethane	142	2.251	2.245	0.006	95	68907	5.00	5.27	
26 Carbon disulfide	76	2.276	2.282	-0.006	99	124850	5.00	5.35	
28 3-Chloro-1-propene	41	2.446	2.446	0.000	84	78872	5.00	5.13	
27 Methyl acetate	43	2.501	2.501	0.000	99	115270	10.0	9.67	
30 Methylene Chloride	84	2.586	2.586	0.000	92	48416	5.00	5.21	
31 2-Methyl-2-propanol	59	2.768	2.762	0.006	77	70135	50.0	53.1	M
32 Methyl tert-butyl ether	73	2.787	2.787	0.000	93	149257	5.00	4.82	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	91	42415	5.00	5.11	
33 Acrylonitrile	53	2.860	2.860	0.000	98	275520	50.0	47.7	
35 Hexane	57	2.987	2.987	0.000	89	53541	5.00	5.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.200	3.194	0.006	83	79216	5.00	5.16	
37 Vinyl acetate	43	3.261	3.261	0.000	98	187970	10.0	9.31	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	81	42836	5.00	5.40	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	62	47936	5.00	5.09	
43 2-Butanone (MEK)	43	3.784	3.778	0.006	99	171789	25.0	23.6	
48 Chlorobromomethane	128	3.961	3.961	0.000	91	25555	5.00	4.84	
49 Tetrahydrofuran	42	3.979	3.973	0.006	87	50155	10.0	9.83	
50 Chloroform	83	4.046	4.046	0.000	80	78686	5.00	4.93	
52 Cyclohexane	56	4.137	4.137	0.000	93	72481	5.00	5.27	
51 1,1,1-Trichloroethane	97	4.137	4.143	-0.006	88	62000	5.00	5.39	
55 Carbon tetrachloride	117	4.271	4.271	0.000	78	50963	5.00	5.20	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	84	60029	5.00	5.51	
57 Benzene	78	4.490	4.490	0.000	73	172083	5.00	5.09	
53 Isobutyl alcohol	43	4.557	4.551	0.006	59	64458	125.0	120.6	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	62	68523	5.00	5.07	
59 n-Heptane	43	4.685	4.679	0.006	96	58247	5.00	5.10	
62 Trichloroethene	95	5.092	5.092	0.000	89	46077	5.00	5.22	
64 Methylcyclohexane	83	5.202	5.196	0.006	90	62852	5.00	5.19	
65 1,2-Dichloropropane	63	5.330	5.330	0.000	85	43698	5.00	5.24	
67 Dibromomethane	93	5.470	5.463	0.007	84	30092	5.00	5.03	
66 1,4-Dioxane	88	5.482	5.482	0.000	21	8380	100.0	98.6	M
68 Dichlorobromomethane	83	5.628	5.628	0.000	87	49526	5.00	4.70	
69 2-Chloroethyl vinyl ether	63	5.920	5.914	0.006	84	32737	5.00	5.17	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	78	63824	5.00	4.96	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.193	0.000	98	348138	25.0	24.0	
74 Toluene	92	6.309	6.309	0.000	78	112474	5.00	5.14	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	91	57055	5.00	4.81	
75 Ethyl methacrylate	69	6.668	6.668	0.000	90	54675	5.00	4.87	
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	96	34415	5.00	4.95	
81 Tetrachloroethene	166	6.826	6.826	0.000	72	47655	5.00	5.20	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	95	66123	5.00	4.77	
80 2-Hexanone	43	7.027	7.027	0.000	98	238267	25.0	24.0	
83 Chlorodibromomethane	129	7.167	7.173	-0.006	78	36609	5.00	4.59	
84 Ethylene Dibromide	107	7.258	7.258	0.000	89	41709	5.00	4.69	
87 Chlorobenzene	112	7.733	7.733	0.000	93	123961	5.00	5.08	
88 Ethylbenzene	91	7.836	7.836	0.000	99	209156	5.00	5.24	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.836	0.006	39	40560	5.00	5.17	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	97	81885	5.00	5.24	
91 o-Xylene	106	8.377	8.377	0.000	97	80155	5.00	4.98	
92 Styrene	104	8.414	8.408	0.006	92	126531	5.00	4.99	
95 Bromoform	173	8.651	8.645	0.006	92	24116	5.00	4.53	
94 Isopropylbenzene	105	8.761	8.761	0.000	95	188561	5.00	5.24	
101 Bromobenzene	156	9.107	9.101	0.006	90	55378	5.00	4.90	
97 1,1,2,2-Tetrachloroethane	83	9.199	9.193	0.006	60	61014	5.00	4.80	
99 N-Propylbenzene	91	9.205	9.205	0.000	97	239685	5.00	5.26	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	60	21137	5.00	4.88	
98 trans-1,4-Dichloro-2-butene	53	9.247	9.247	0.000	22	18928	5.00	5.21	
103 2-Chlorotoluene	126	9.308	9.302	0.006	96	51996	5.00	5.22	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	93	174703	5.00	5.24	
105 4-Chlorotoluene	126	9.430	9.430	0.000	97	52640	5.00	5.19	
106 tert-Butylbenzene	134	9.734	9.734	0.000	89	39037	5.00	5.30	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	84	180360	5.00	5.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	91	207355	5.00	5.24	
111 1,3-Dichlorobenzene	146	10.087	10.081	0.006	97	108373	5.00	5.20	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	95	189076	5.00	5.28	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	93	109900	5.00	5.02	
115 n-Butylbenzene	91	10.507	10.507	0.000	93	164300	5.00	5.37	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	91	105877	5.00	4.93	
117 1,2-Dibromo-3-Chloropropane	75	11.298	11.292	0.006	58	12540	5.00	4.54	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	91	70140	5.00	4.85	
120 Hexachlorobutadiene	225	12.088	12.095	-0.007	87	32393	5.00	5.16	
121 Naphthalene	128	12.186	12.186	0.000	96	237641	5.00	4.78	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	92	71501	5.00	4.92	
S 125 1,2-Dichloroethene, Total	1				0			10.2	
S 123 Total BTEX	1				0			25.7	
S 126 1,3-Dichloropropene, Total	1				0			9.76	
S 124 Xylenes, Total	1				0			10.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00258	Amount Added:	5.00	Units: uL	
GAS CORP mix_00639	Amount Added:	5.00	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

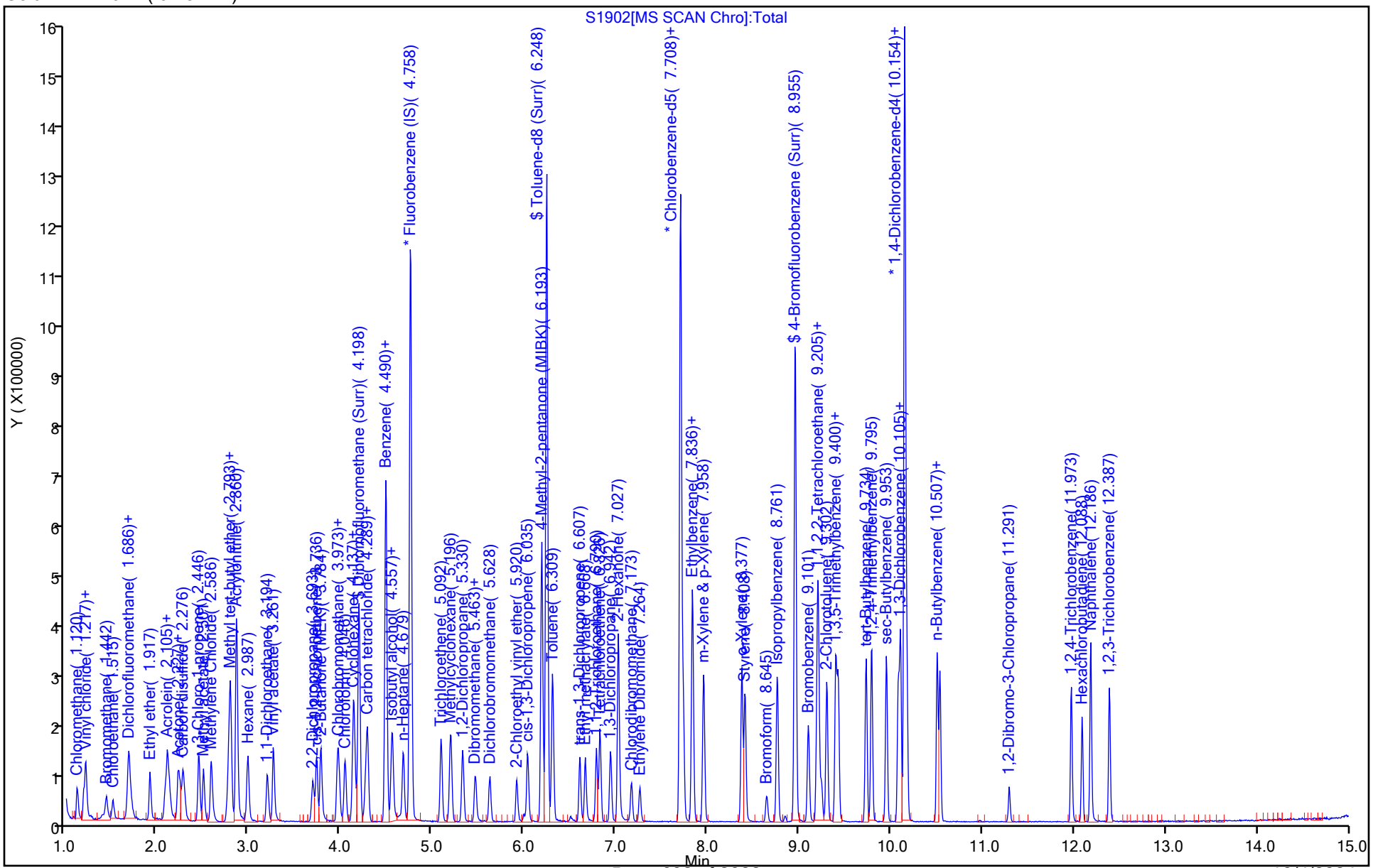
Report Date: 10-Sep-2024 10:26:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1902.d

Injection Date:	09-Sep-2024 22:00:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	IC 3			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo

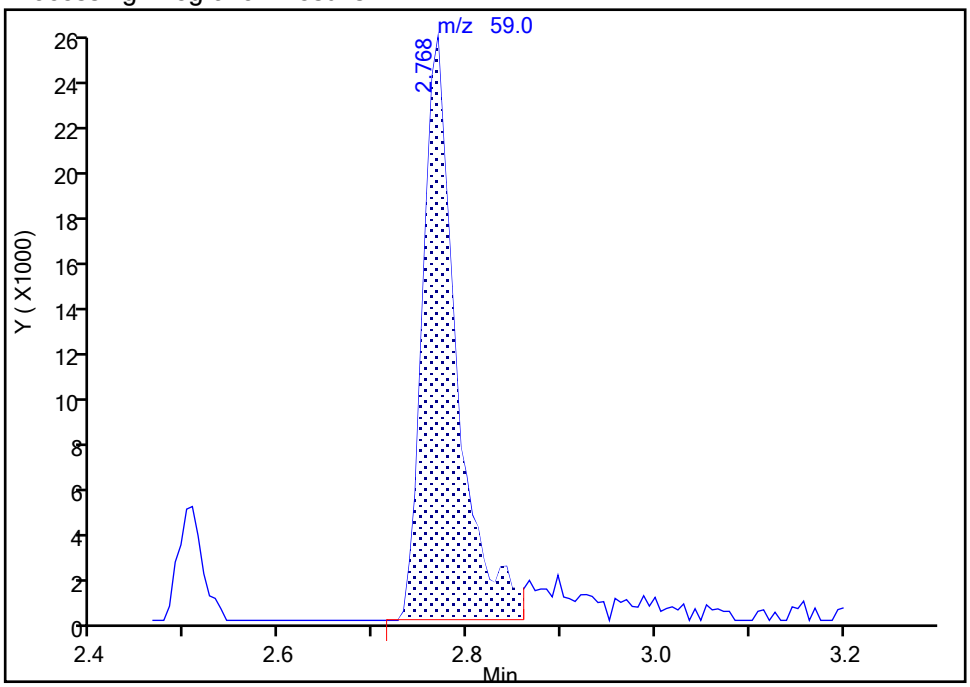
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1902.d
Injection Date: 09-Sep-2024 22:00:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: ZN ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

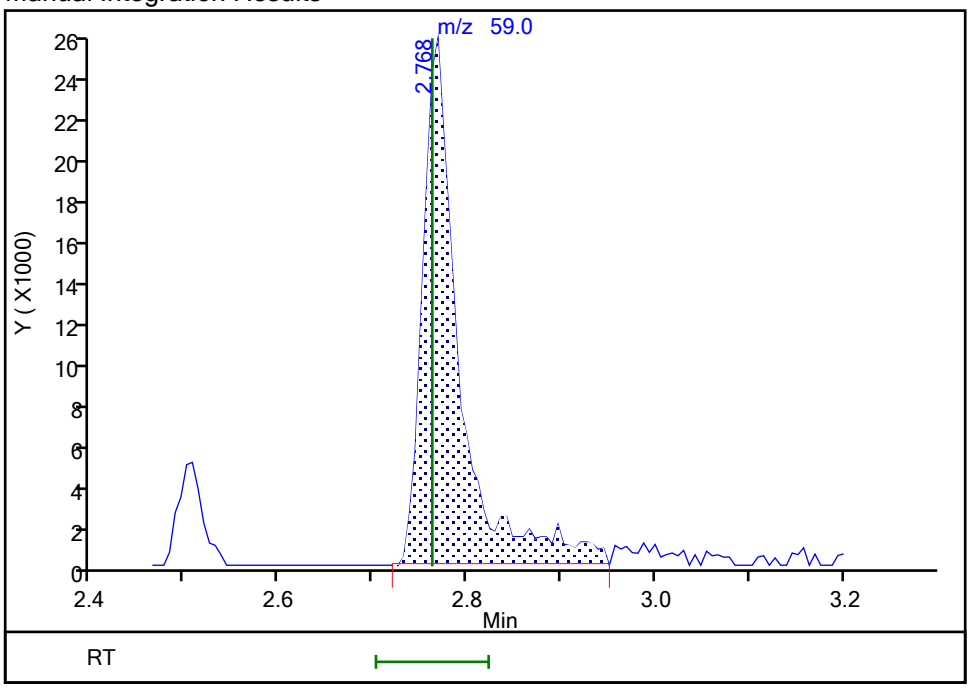
Processing Integration Results

RT: 2.77
Area: 64498
Amount: 48.513016
Amount Units: ug/L



Manual Integration Results

RT: 2.77
Area: 70135
Amount: 53.126074
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:52:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

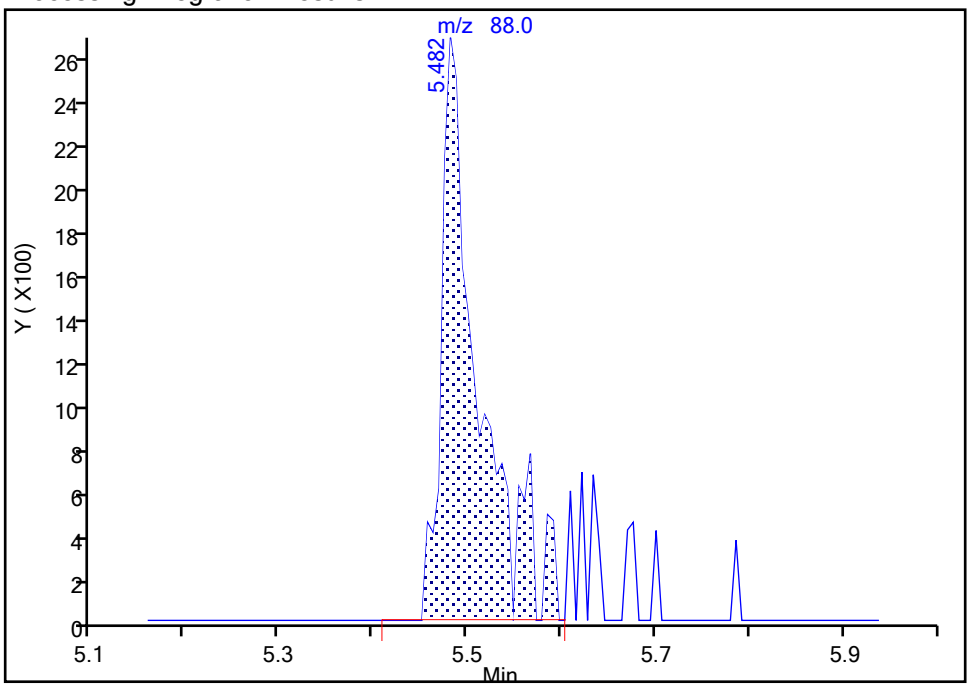
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1902.d
Injection Date: 09-Sep-2024 22:00:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: ZN ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

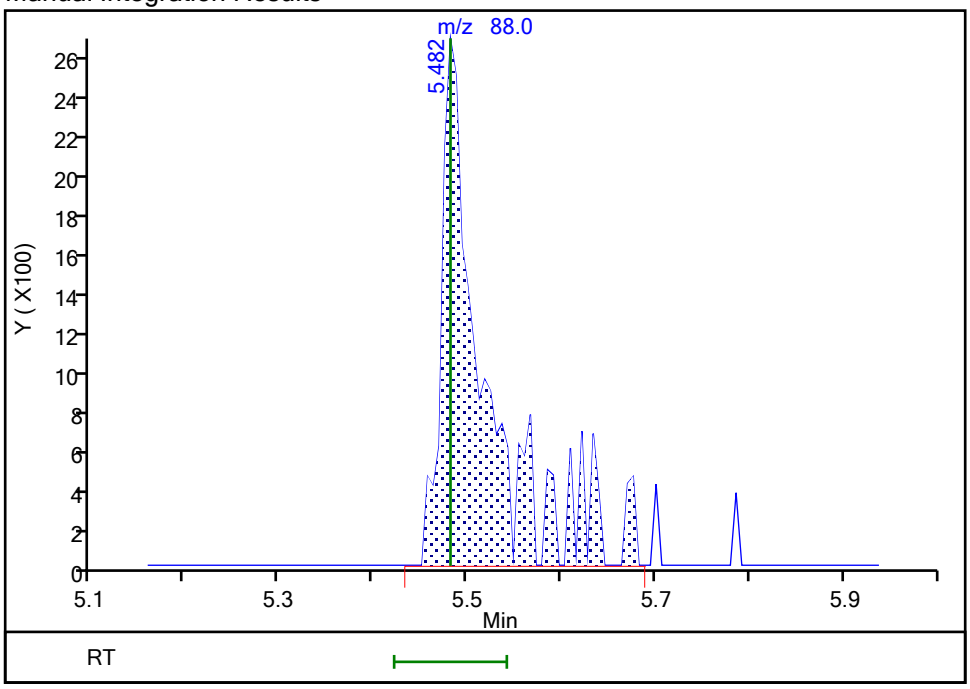
Processing Integration Results

RT: 5.48
Area: 7253
Amount: 77.125085
Amount Units: ug/L



Manual Integration Results

RT: 5.48
Area: 8380
Amount: 98.623495
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:53:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1903.d
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 09-Sep-2024 22:23:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0119920-017
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:26:16 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 07:48:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	153964	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	87	304081	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	86	340017	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	57	210604	25.0	26.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.496	-0.006	79	132612	25.0	27.1	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	86	726237	25.0	26.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.962	0.000	92	258012	25.0	26.3	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	86	90064	10.0	11.6	
12 Chloromethane	50	1.126	1.126	0.000	88	113928	10.0	11.4	
13 Vinyl chloride	62	1.199	1.193	0.006	79	84381	10.0	11.4	
151 Butadiene	54	1.217	1.217	0.000	97	80381	10.0	10.9	
14 Bromomethane	94	1.442	1.442	0.000	89	54924	10.0	10.8	
15 Chloroethane	64	1.515	1.515	0.000	94	59065	10.0	11.4	
16 Dichlorofluoromethane	67	1.686	1.686	0.000	95	149973	10.0	11.3	
17 Trichlorofluoromethane	101	1.686	1.692	-0.006	66	119946	10.0	11.7	
18 Ethyl ether	59	1.917	1.917	0.000	95	87571	10.0	10.6	
20 Acrolein	56	2.081	2.081	0.000	95	74976	50.0	54.7	
22 1,1-Dichloroethene	96	2.111	2.105	0.006	87	71371	10.0	11.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.117	2.117	0.000	53	65485	10.0	11.4	
23 Acetone	43	2.227	2.227	0.000	97	202124	50.0	45.5	
25 Iodomethane	142	2.251	2.245	0.006	99	132144	10.0	11.3	
26 Carbon disulfide	76	2.282	2.282	0.000	99	243966	10.0	11.7	
28 3-Chloro-1-propene	41	2.452	2.446	0.006	85	155822	10.0	11.3	
27 Methyl acetate	43	2.501	2.501	0.000	97	233346	20.0	21.8	
30 Methylene Chloride	84	2.586	2.586	0.000	96	92760	10.0	12.0	
31 2-Methyl-2-propanol	59	2.768	2.762	0.006	61	114974	100.0	97.1	
32 Methyl tert-butyl ether	73	2.787	2.787	0.000	93	295518	10.0	10.7	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	84	85844	10.0	11.5	
33 Acrylonitrile	53	2.860	2.860	0.000	98	559269	100.0	108.0	
35 Hexane	57	2.981	2.987	-0.006	93	112523	10.0	11.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.200	3.194	0.006	86	154513	10.0	11.2	
37 Vinyl acetate	43	3.261	3.261	0.000	97	392854	20.0	21.7	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	88	81956	10.0	11.5	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	82	93669	10.0	11.1	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	97	337568	50.0	51.7	
48 Chlorobromomethane	128	3.967	3.961	0.006	93	50903	10.0	10.7	
49 Tetrahydrofuran	42	3.979	3.973	0.006	89	98731	20.0	21.6	
50 Chloroform	83	4.046	4.046	0.000	94	154229	10.0	10.8	
52 Cyclohexane	56	4.137	4.137	0.000	91	150761	10.0	12.0	
51 1,1,1-Trichloroethane	97	4.137	4.143	-0.006	90	121045	10.0	11.7	
55 Carbon tetrachloride	117	4.271	4.271	0.000	80	97943	10.0	11.0	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	86	111060	10.0	11.4	
57 Benzene	78	4.490	4.490	0.000	93	335505	10.0	11.1	
53 Isobutyl alcohol	43	4.551	4.551	0.000	57	121413	250.0	253.3	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	79	131802	10.0	10.9	
59 n-Heptane	43	4.679	4.679	0.000	95	131704	10.0	12.7	
62 Trichloroethene	95	5.092	5.092	0.000	95	88105	10.0	11.1	
64 Methylcyclohexane	83	5.202	5.196	0.006	93	130449	10.0	11.7	
65 1,2-Dichloropropane	63	5.330	5.330	0.000	86	83492	10.0	11.2	
67 Dibromomethane	93	5.463	5.463	0.000	83	56707	10.0	10.6	
66 1,4-Dioxane	88	5.488	5.482	0.006	48	19761	200.0	257.0	M
68 Dichlorobromomethane	83	5.628	5.628	0.000	91	100568	10.0	10.6	
69 2-Chloroethyl vinyl ether	63	5.920	5.914	0.006	91	62812	10.0	11.1	
72 cis-1,3-Dichloropropene	75	6.041	6.035	0.006	84	125680	10.0	10.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.193	0.000	98	714472	50.0	55.5	
74 Toluene	92	6.309	6.309	0.000	89	213735	10.0	11.0	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	93	113547	10.0	10.8	
75 Ethyl methacrylate	69	6.668	6.668	0.000	73	112795	10.0	11.3	
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	87	65099	10.0	10.5	
81 Tetrachloroethene	166	6.832	6.826	0.006	83	91696	10.0	11.3	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	96	135041	10.0	11.0	
80 2-Hexanone	43	7.027	7.027	0.000	98	489988	50.0	55.5	
83 Chlorodibromomethane	129	7.173	7.173	0.000	88	74444	10.0	10.5	
84 Ethylene Dibromide	107	7.264	7.258	0.006	97	85593	10.0	10.8	
87 Chlorobenzene	112	7.739	7.733	0.006	94	238122	10.0	11.0	
88 Ethylbenzene	91	7.836	7.836	0.000	99	402875	10.0	11.4	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.836	0.006	39	76592	10.0	11.0	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	98	158533	10.0	11.4	
91 o-Xylene	106	8.377	8.377	0.000	97	153717	10.0	10.7	
92 Styrene	104	8.414	8.408	0.006	93	240056	10.0	10.6	
95 Bromoform	173	8.645	8.645	0.000	95	47901	10.0	10.1	
94 Isopropylbenzene	105	8.761	8.761	0.000	95	360242	10.0	11.1	
101 Bromobenzene	156	9.101	9.101	0.000	92	105624	10.0	10.4	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	69	123489	10.0	10.8	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	456903	10.0	11.2	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	61	43360	10.0	11.1	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.247	-0.006	57	34561	10.0	10.6	
103 2-Chlorotoluene	126	9.302	9.302	0.000	96	97671	10.0	10.9	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	92	334786	10.0	11.2	
105 4-Chlorotoluene	126	9.430	9.430	0.000	98	100256	10.0	11.0	
106 tert-Butylbenzene	134	9.734	9.734	0.000	91	74150	10.0	11.2	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	85	350688	10.0	11.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	93	411568	10.0	11.6	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	204985	10.0	10.9	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	361590	10.0	11.2	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	93	211085	10.0	10.7	
115 n-Butylbenzene	91	10.507	10.507	0.000	94	317523	10.0	11.5	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	96	208215	10.0	10.8	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	61	25234	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	94	141090	10.0	10.8	
120 Hexachlorobutadiene	225	12.088	12.095	-0.007	92	65784	10.0	11.7	
121 Naphthalene	128	12.186	12.186	0.000	97	485208	10.0	10.9	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	93	134017	10.0	10.3	
S 125 1,2-Dichloroethene, Total	1				0			22.6	
S 123 Total BTEX	1				0			55.6	
S 126 1,3-Dichloropropene, Total	1				0			21.7	
S 124 Xylenes, Total	1				0			22.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00258	Amount Added:	5.00	Units: uL	
GAS CORP mix_00639	Amount Added:	5.00	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

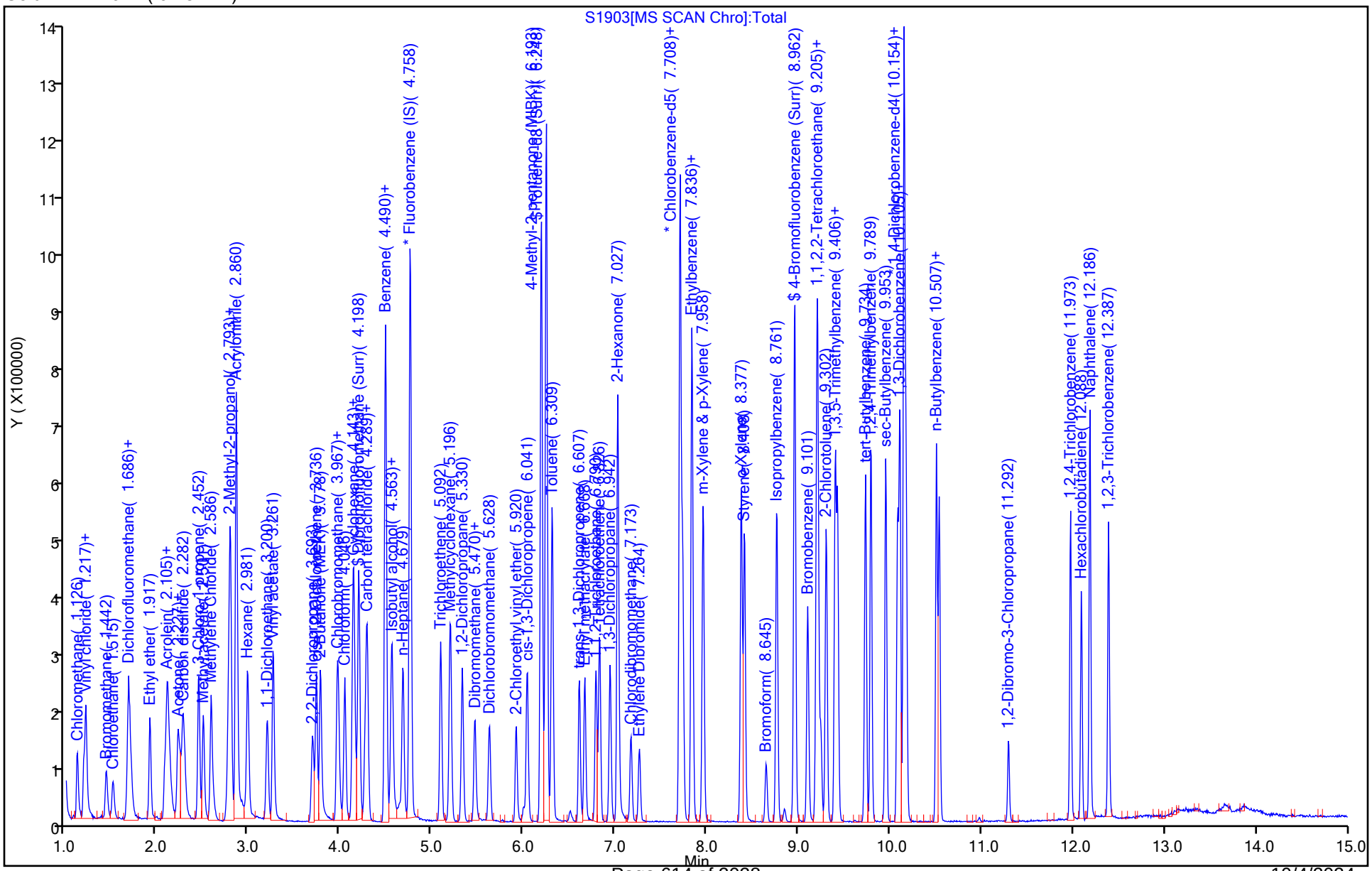
Report Date: 10-Sep-2024 10:26:17 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1903.d

Injection Date:	09-Sep-2024 22:23:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	IC 4			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

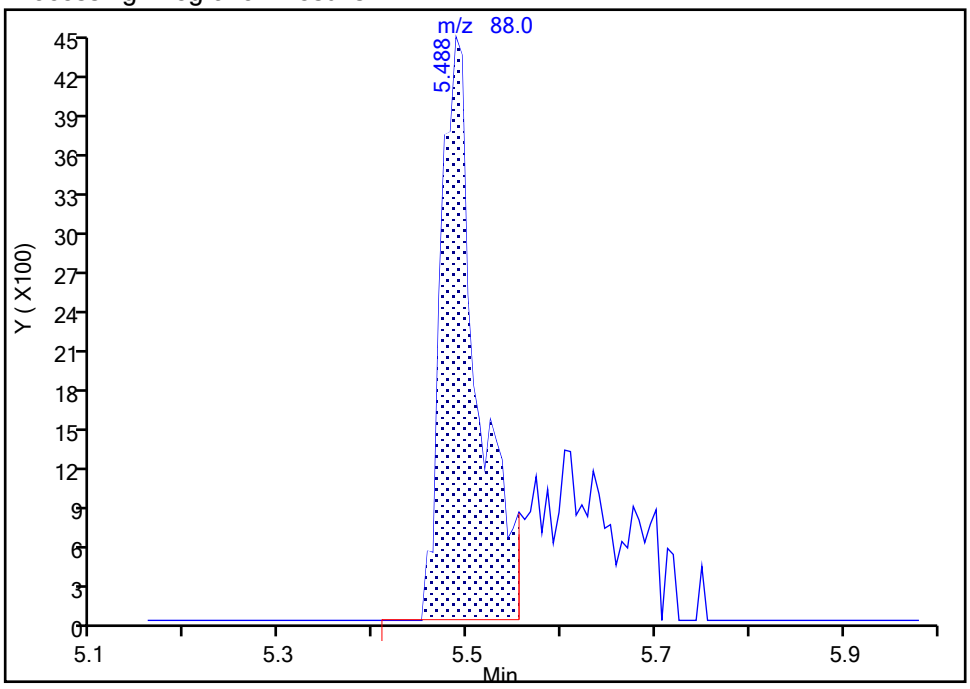
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1903.d
Injection Date: 09-Sep-2024 22:23:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: ZN ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

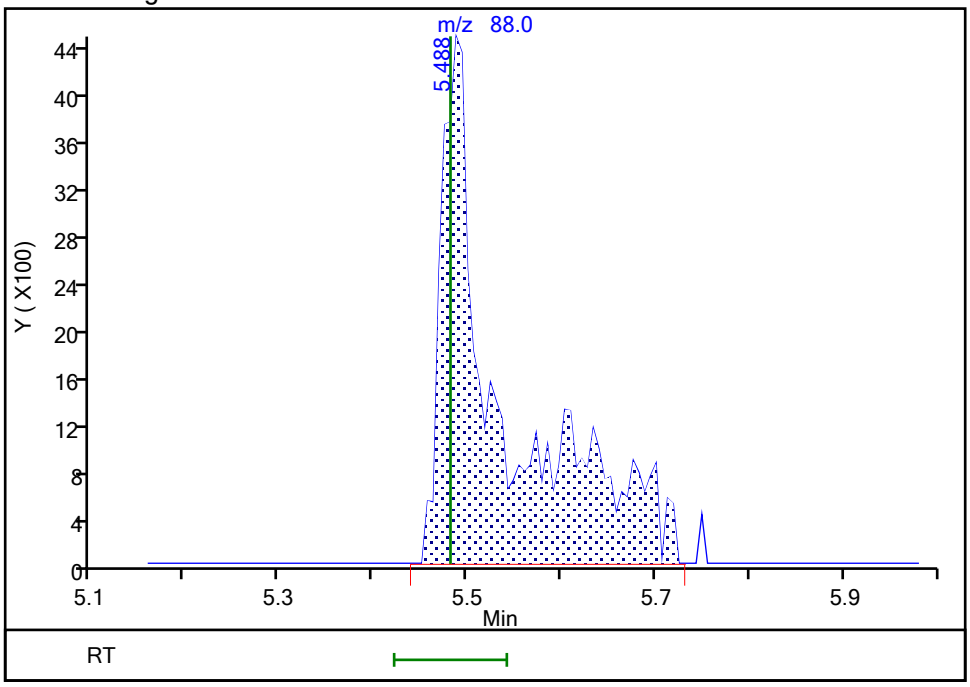
Processing Integration Results

RT: 5.49
Area: 12104
Amount: 170.6556
Amount Units: ug/L



Manual Integration Results

RT: 5.49
Area: 19761
Amount: 257.0163
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:48:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1904.d
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 09-Sep-2024 22:46:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0119920-018
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:26:35 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 07:42:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	176411	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	85	352260	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	68	380863	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	57	216393	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.496	4.496	0.000	62	133198	25.0	23.7	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	56	755254	25.0	24.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.962	0.000	91	272637	25.0	24.0	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	87	234026	25.0	26.1	
12 Chloromethane	50	1.126	1.126	0.000	100	282650	25.0	24.6	
13 Vinyl chloride	62	1.193	1.193	0.000	82	215956	25.0	25.5	
151 Butadiene	54	1.217	1.217	0.000	96	212325	25.0	24.9	
14 Bromomethane	94	1.442	1.442	0.000	91	141235	25.0	24.3	
15 Chloroethane	64	1.515	1.515	0.000	97	144370	25.0	24.3	
16 Dichlorofluoromethane	67	1.686	1.686	0.000	81	382398	25.0	25.2	
17 Trichlorofluoromethane	101	1.692	1.692	0.000	58	306340	25.0	25.8	
18 Ethyl ether	59	1.917	1.917	0.000	95	219028	25.0	23.2	
20 Acrolein	56	2.081	2.081	0.000	99	183175	125.0	116.7	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	87	180656	25.0	26.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.117	2.117	0.000	58	167434	25.0	24.9	
23 Acetone	43	2.227	2.227	0.000	98	588578	125.0	115.7	
25 Iodomethane	142	2.245	2.245	0.000	99	344007	25.0	25.6	
26 Carbon disulfide	76	2.282	2.282	0.000	99	626531	25.0	26.2	
28 3-Chloro-1-propene	41	2.446	2.446	0.000	84	405116	25.0	25.6	
27 Methyl acetate	43	2.501	2.501	0.000	96	546243	50.0	44.6	
30 Methylene Chloride	84	2.586	2.586	0.000	93	223183	25.0	25.9	
31 2-Methyl-2-propanol	59	2.762	2.762	0.000	87	351273	250.0	259.0	M
32 Methyl tert-butyl ether	73	2.787	2.787	0.000	93	747096	25.0	23.5	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	84	225181	25.0	26.4	
33 Acrylonitrile	53	2.860	2.860	0.000	98	1379067	250.0	232.5	
35 Hexane	57	2.987	2.987	0.000	92	282978	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.194	3.194	0.000	86	400063	25.0	25.4	
37 Vinyl acetate	43	3.261	3.261	0.000	98	1079588	50.0	52.0	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	90	216121	25.0	26.5	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	76	234291	25.0	24.2	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	99	859946	125.0	115.0	
48 Chlorobromomethane	128	3.961	3.961	0.000	96	125684	25.0	23.2	
49 Tetrahydrofuran	42	3.973	3.973	0.000	90	239259	50.0	45.6	
50 Chloroform	83	4.046	4.046	0.000	82	393892	25.0	24.0	
52 Cyclohexane	56	4.137	4.137	0.000	93	384344	25.0	26.3	
51 1,1,1-Trichloroethane	97	4.143	4.143	0.000	95	316995	25.0	26.8	
55 Carbon tetrachloride	117	4.271	4.271	0.000	88	259244	25.0	25.1	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	91	293614	25.0	26.2	
57 Benzene	78	4.490	4.490	0.000	97	860177	25.0	24.8	
53 Isobutyl alcohol	43	4.551	4.551	0.000	58	356142	625.0	648.6	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	82	328277	25.0	23.6	
59 n-Heptane	43	4.679	4.679	0.000	95	298456	25.0	25.0	
62 Trichloroethene	95	5.092	5.092	0.000	95	231415	25.0	25.5	
64 Methylcyclohexane	83	5.196	5.196	0.000	94	335010	25.0	26.0	
65 1,2-Dichloropropane	63	5.330	5.330	0.000	88	212557	25.0	24.8	
67 Dibromomethane	93	5.463	5.463	0.000	88	148582	25.0	24.2	
66 1,4-Dioxane	88	5.482	5.482	0.000	55	45468	500.0	507.7	
68 Dichlorobromomethane	83	5.628	5.628	0.000	93	262717	25.0	24.3	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	93	161675	25.0	24.9	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	84	331162	25.0	25.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.193	0.000	99	1795743	125.0	120.5	
74 Toluene	92	6.309	6.309	0.000	94	563225	25.0	25.0	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	99	299669	25.0	24.5	
75 Ethyl methacrylate	69	6.668	6.668	0.000	86	300587	25.0	26.0	
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	88	167941	25.0	23.5	
81 Tetrachloroethene	166	6.826	6.826	0.000	87	245077	25.0	26.0	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	97	338563	25.0	23.7	
80 2-Hexanone	43	7.027	7.027	0.000	98	1222894	125.0	119.6	
83 Chlorodibromomethane	129	7.173	7.173	0.000	87	199598	25.0	24.3	
84 Ethylene Dibromide	107	7.258	7.258	0.000	94	220991	25.0	24.1	
87 Chlorobenzene	112	7.733	7.733	0.000	93	620233	25.0	24.7	
88 Ethylbenzene	91	7.836	7.836	0.000	99	1057955	25.0	25.8	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	43	209011	25.0	25.9	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	98	414147	25.0	25.8	
91 o-Xylene	106	8.377	8.377	0.000	97	418429	25.0	25.2	
92 Styrene	104	8.408	8.408	0.000	93	658339	25.0	25.2	
95 Bromoform	173	8.645	8.645	0.000	95	136103	25.0	24.8	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	965046	25.0	26.6	
101 Bromobenzene	156	9.101	9.101	0.000	93	278067	25.0	24.4	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	73	308696	25.0	24.1	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	1222643	25.0	26.6	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	64	105791	25.0	24.3	
98 trans-1,4-Dichloro-2-butene	53	9.247	9.247	0.000	1	98386	25.0	26.9	
103 2-Chlorotoluene	126	9.302	9.302	0.000	96	256540	25.0	25.6	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	93	892654	25.0	26.6	
105 4-Chlorotoluene	126	9.430	9.430	0.000	98	262401	25.0	25.7	
106 tert-Butylbenzene	134	9.734	9.734	0.000	91	199460	25.0	26.9	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	86	913847	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	1103373	25.0	27.7	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	98	528780	25.0	25.2	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	975716	25.0	27.1	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	95	534394	25.0	24.2	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	846703	25.0	27.5	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	97	528611	25.0	24.4	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	75	67680	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	95	365652	25.0	25.1	
120 Hexachlorobutadiene	225	12.095	12.095	0.000	91	172022	25.0	27.2	
121 Naphthalene	128	12.186	12.186	0.000	97	1254496	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	96	359861	25.0	24.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00258	Amount Added:	12.50	Units: uL	
GAS CORP mix_00639	Amount Added:	12.50	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

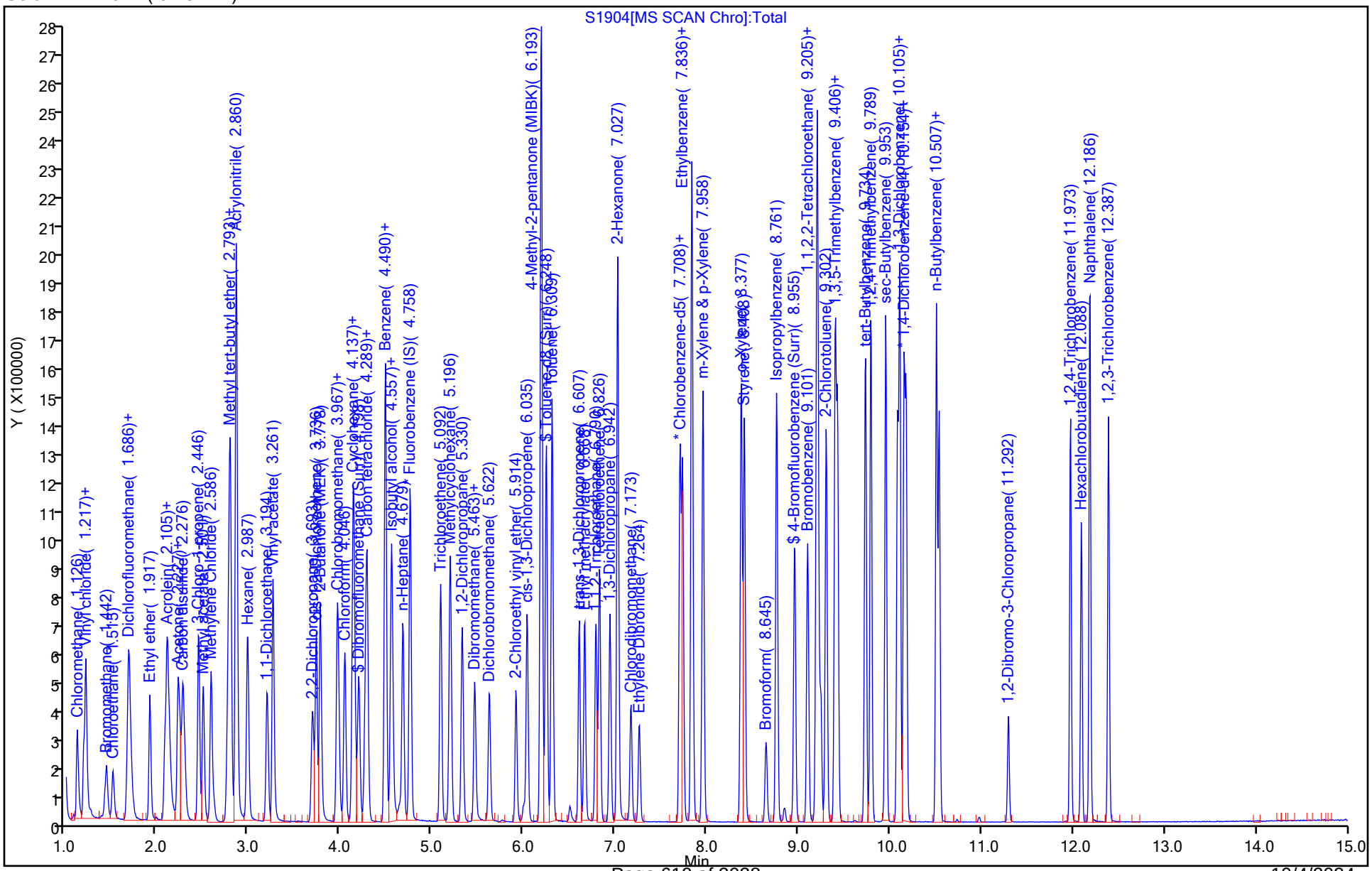
Report Date: 10-Sep-2024 10:26:36 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1904.d

Injection Date:	09-Sep-2024 22:46:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	ICIS 5			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo

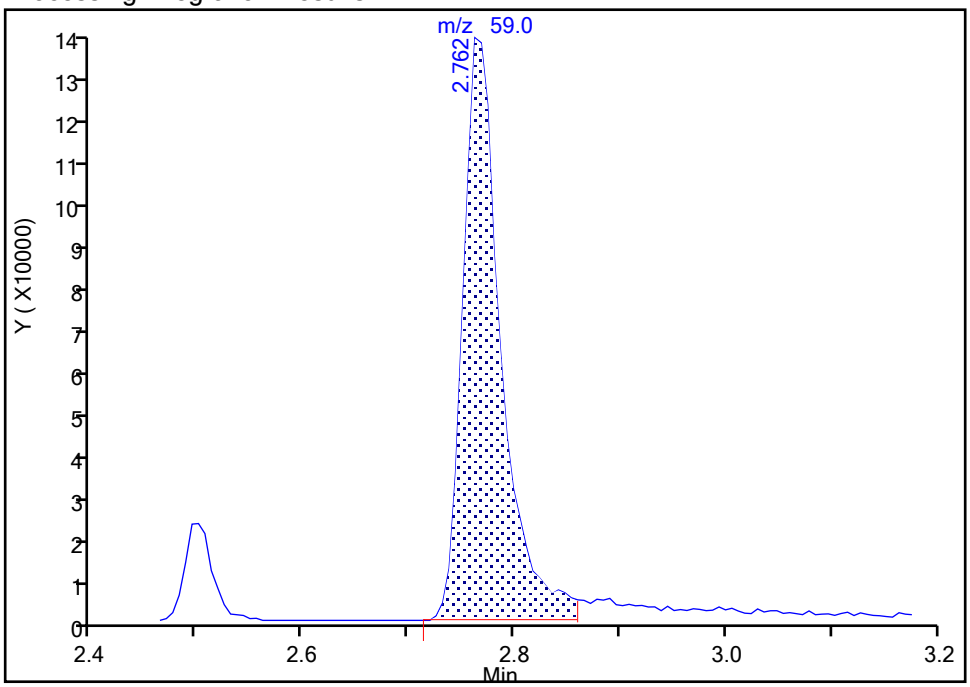
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1904.d
Injection Date: 09-Sep-2024 22:46:30 Instrument ID: HP5973S
Lims ID: ICIS 5
Client ID:
Operator ID: ZN ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

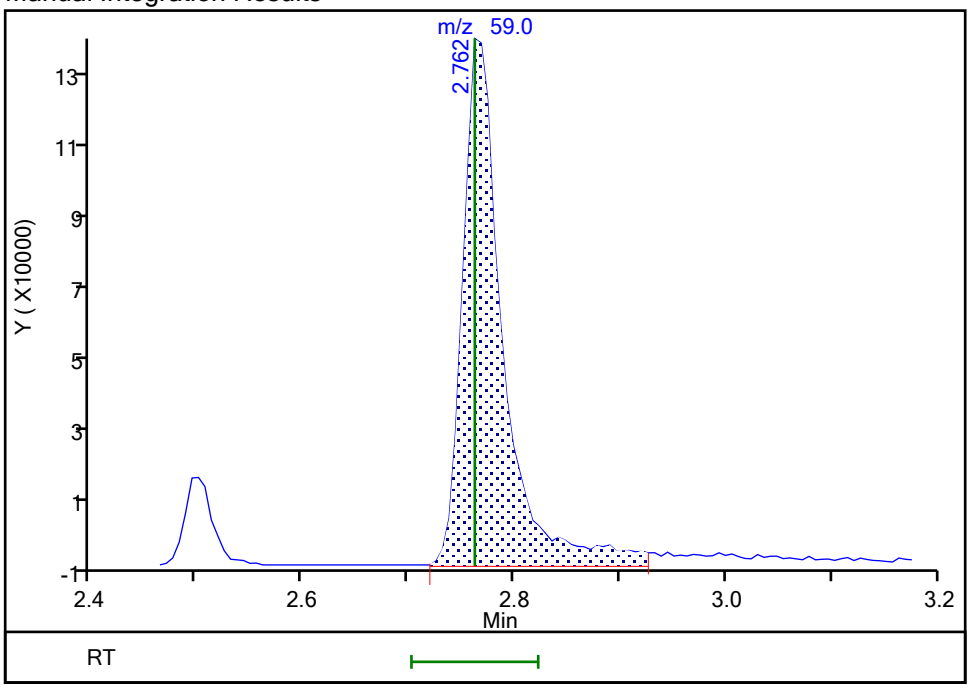
Processing Integration Results

RT: 2.76
Area: 334483
Amount: 246.3612
Amount Units: ug/L



Manual Integration Results

RT: 2.76
Area: 351273
Amount: 258.9566
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 07:50:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1905.d
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 09-Sep-2024 23:10:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0119920-019
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:26:52 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 07:46:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	172255	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	87	333821	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	47	363992	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	56	216953	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.496	-0.006	42	131731	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	44	729413	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	-0.001	93	256665	25.0	23.8	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	99	424244	50.0	48.4	
12 Chloromethane	50	1.126	1.126	0.000	100	559767	50.0	49.9	
13 Vinyl chloride	62	1.199	1.193	0.006	83	418902	50.0	50.7	
151 Butadiene	54	1.217	1.217	0.000	96	407781	50.0	48.9	
14 Bromomethane	94	1.442	1.442	0.000	92	275078	50.0	48.4	
15 Chloroethane	64	1.515	1.515	0.000	94	275388	50.0	47.5	
16 Dichlorofluoromethane	67	1.685	1.686	-0.001	81	726780	50.0	49.1	
17 Trichlorofluoromethane	101	1.685	1.692	-0.007	55	572654	50.0	49.3	
18 Ethyl ether	59	1.917	1.917	0.000	95	407555	50.0	44.2	
20 Acrolein	56	2.081	2.081	0.000	97	350216	250.0	228.5	
22 1,1-Dichloroethene	96	2.111	2.105	0.006	88	338681	50.0	50.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.123	2.117	0.006	64	318617	50.0	48.3	
23 Acetone	43	2.227	2.227	0.000	98	1042976	250.0	210.0	
25 Iodomethane	142	2.251	2.245	0.006	98	649467	50.0	49.5	
26 Carbon disulfide	76	2.282	2.282	0.000	99	1185896	50.0	50.7	
28 3-Chloro-1-propene	41	2.452	2.446	0.006	86	745773	50.0	48.3	
27 Methyl acetate	43	2.501	2.501	0.000	96	1030357	100.0	86.2	
30 Methylene Chloride	84	2.586	2.586	0.000	98	414681	50.0	49.9	
31 2-Methyl-2-propanol	59	2.762	2.762	0.000	81	543562	500.0	410.4	M
32 Methyl tert-butyl ether	73	2.787	2.787	0.000	93	1416704	50.0	45.6	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	87	421983	50.0	50.7	
33 Acrylonitrile	53	2.860	2.860	0.000	99	2625265	500.0	453.2	
35 Hexane	57	2.987	2.987	0.000	91	515750	50.0	47.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.200	3.194	0.006	86	746531	50.0	48.5	
37 Vinyl acetate	43	3.261	3.261	0.000	97	2153600	100.0	106.3	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	92	399563	50.0	50.2	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	81	446276	50.0	47.2	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	99	1604080	250.0	219.7	
48 Chlorobromomethane	128	3.961	3.961	0.000	93	243010	50.0	45.9	
49 Tetrahydrofuran	42	3.973	3.973	0.000	90	438085	100.0	85.5	
50 Chloroform	83	4.046	4.046	0.000	95	738764	50.0	46.1	
52 Cyclohexane	56	4.143	4.137	0.006	85	701970	50.0	49.1	
51 1,1,1-Trichloroethane	97	4.143	4.143	0.000	93	602862	50.0	52.2	
55 Carbon tetrachloride	117	4.271	4.271	0.000	90	503797	50.0	49.8	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	92	553864	50.0	50.7	
57 Benzene	78	4.490	4.490	0.000	98	1609430	50.0	47.5	
53 Isobutyl alcohol	43	4.551	4.551	0.000	59	627511	1250.0	1170.3	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	81	617469	50.0	45.5	
59 n-Heptane	43	4.679	4.679	0.000	96	544553	50.0	46.7	
62 Trichloroethene	95	5.092	5.092	0.000	96	425781	50.0	48.0	
64 Methylcyclohexane	83	5.202	5.196	0.006	93	616741	50.0	48.8	
65 1,2-Dichloropropane	63	5.329	5.330	-0.001	89	396482	50.0	47.4	
67 Dibromomethane	93	5.463	5.463	0.000	89	272825	50.0	45.5	
66 1,4-Dioxane	88	5.482	5.482	0.000	47	81284	1000.0	955.1	
68 Dichlorobromomethane	83	5.622	5.628	-0.006	92	501552	50.0	47.4	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	92	289780	50.0	45.6	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	86	625328	50.0	48.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.193	0.000	98	3313090	250.0	234.6	
74 Toluene	92	6.309	6.309	0.000	94	1018325	50.0	47.7	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	94	564769	50.0	48.8	
75 Ethyl methacrylate	69	6.668	6.668	0.000	85	562209	50.0	51.3	
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	94	306738	50.0	45.2	
81 Tetrachloroethene	166	6.832	6.826	0.006	91	454806	50.0	50.8	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	96	612216	50.0	45.2	
80 2-Hexanone	43	7.027	7.027	0.000	98	2181621	250.0	225.1	
83 Chlorodibromomethane	129	7.173	7.173	0.000	87	384311	50.0	49.4	
84 Ethylene Dibromide	107	7.264	7.258	0.006	98	393327	50.0	45.3	
87 Chlorobenzene	112	7.739	7.733	0.006	94	1133502	50.0	47.6	
88 Ethylbenzene	91	7.836	7.836	0.000	99	1915874	50.0	49.2	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.836	0.006	41	398038	50.0	52.0	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	99	750938	50.0	49.3	
91 o-Xylene	106	8.377	8.377	0.000	97	741547	50.0	47.2	
92 Styrene	104	8.408	8.408	0.000	94	1190361	50.0	48.1	
95 Bromoform	173	8.645	8.645	0.000	94	266831	50.0	51.4	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	1761405	50.0	50.8	
101 Bromobenzene	156	9.101	9.101	0.000	92	504243	50.0	46.4	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	73	562655	50.0	46.0	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	2201973	50.0	50.2	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	61	188512	50.0	45.2	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.247	-0.006	56	173006	50.0	49.5	
103 2-Chlorotoluene	126	9.302	9.302	0.000	96	469412	50.0	48.9	
102 1,3,5-Trimethylbenzene	105	9.399	9.400	-0.001	94	1613742	50.0	50.3	
105 4-Chlorotoluene	126	9.430	9.430	0.000	98	468786	50.0	48.0	
106 tert-Butylbenzene	134	9.734	9.734	0.000	91	364266	50.0	51.4	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	86	1672806	50.0	49.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	1978690	50.0	52.0	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	98	939010	50.0	46.8	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	1758148	50.0	51.0	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	95	955498	50.0	45.3	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	1512746	50.0	51.4	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	97	960773	50.0	46.5	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.292	-0.001	82	123828	50.0	46.6	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	92	681345	50.0	48.9	
120 Hexachlorobutadiene	225	12.088	12.095	-0.007	95	293870	50.0	48.7	
121 Naphthalene	128	12.186	12.186	0.000	97	2335180	50.0	48.8	
122 1,2,3-Trichlorobenzene	180	12.386	12.387	-0.001	96	682142	50.0	48.8	
S 125 1,2-Dichloroethene, Total	1				0			97.9	
S 123 Total BTEX	1				0			240.9	
S 126 1,3-Dichloropropene, Total	1				0			97.2	
S 124 Xylenes, Total	1				0			96.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00258	Amount Added:	25.00	Units: uL	
GAS CORP mix_00639	Amount Added:	25.00	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

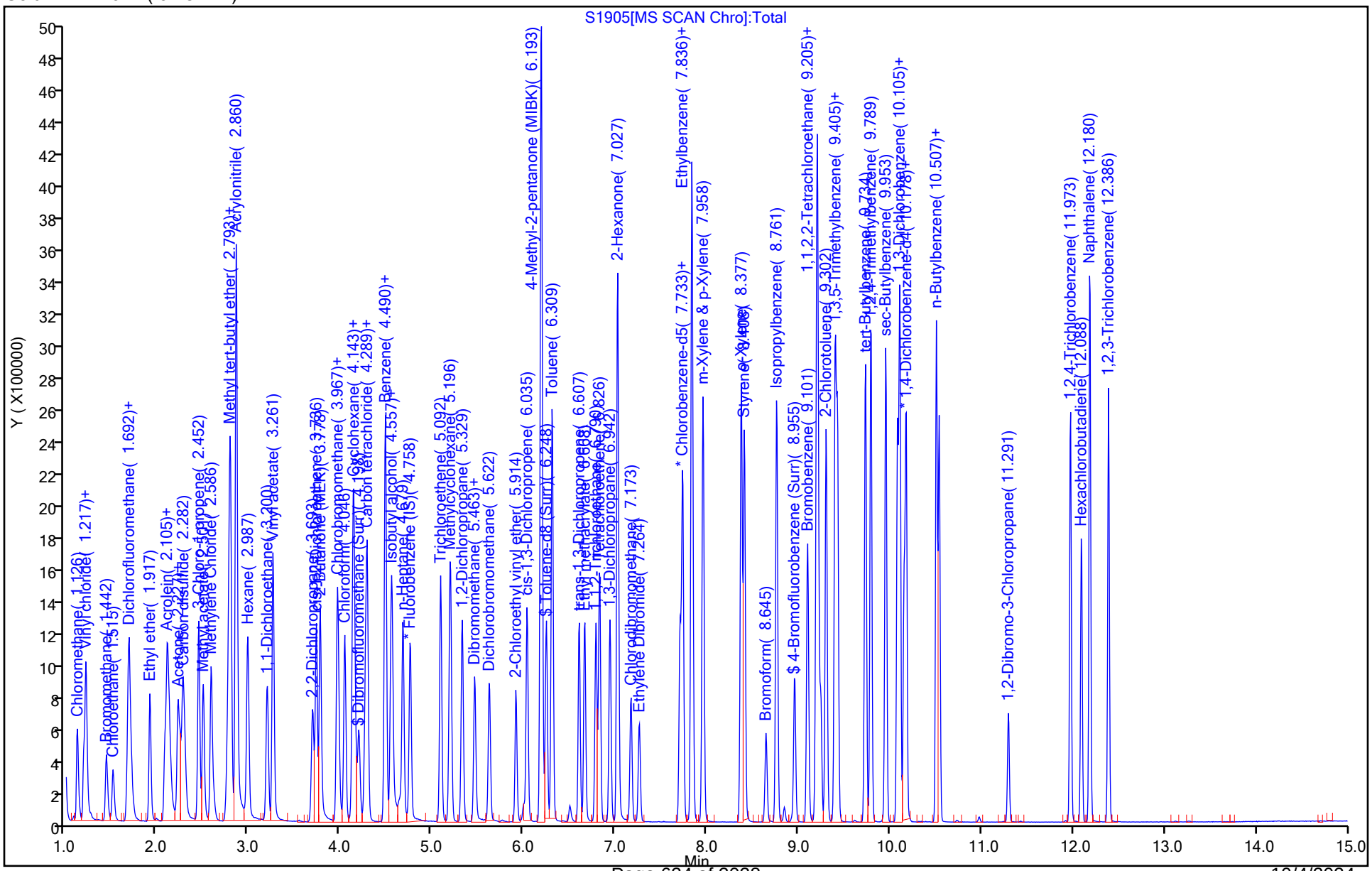
Report Date: 10-Sep-2024 10:26:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1905.d

Injection Date:	09-Sep-2024 23:10:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	IC 6			Worklist Smp#:	19
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo

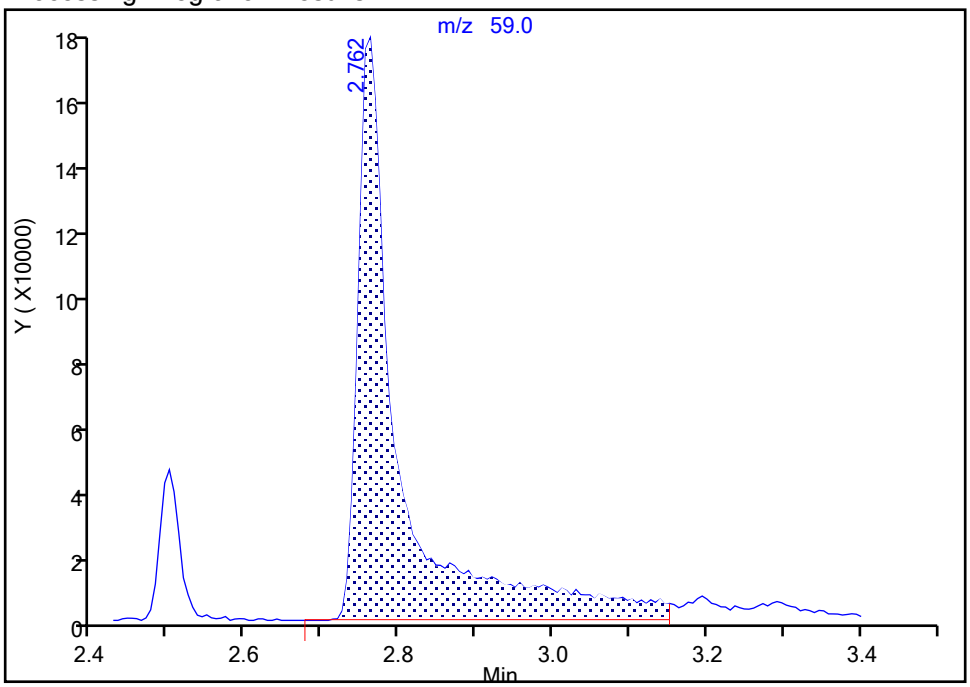
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1905.d
Injection Date: 09-Sep-2024 23:10:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: ZN ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

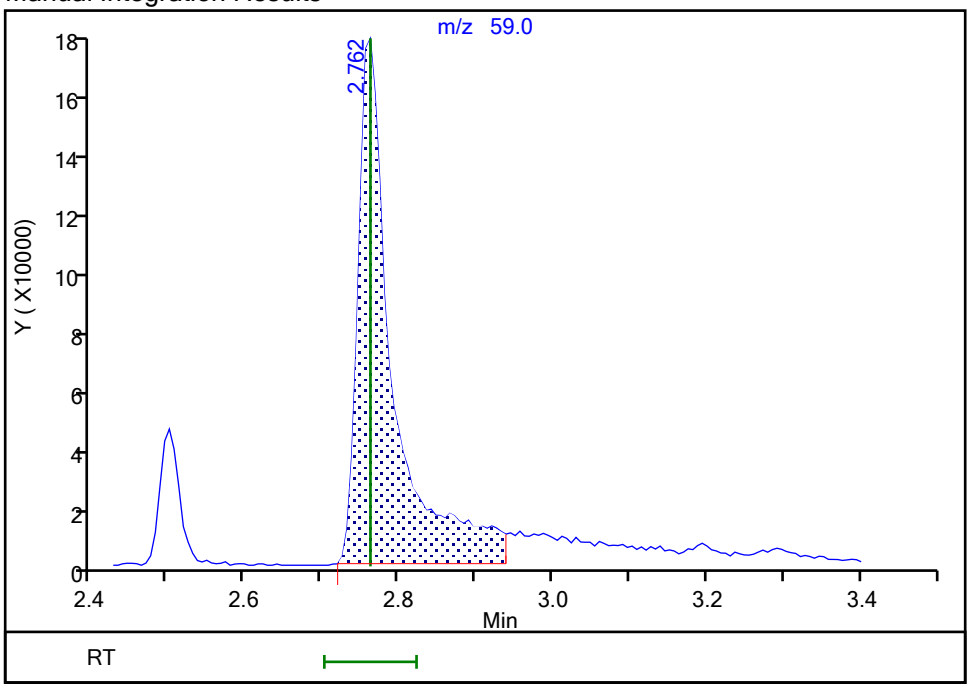
Processing Integration Results

RT: 2.76
Area: 644543
Amount: 474.8544
Amount Units: ug/L



Manual Integration Results

RT: 2.76
Area: 543562
Amount: 410.3789
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:39:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1906.d
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 09-Sep-2024 23:56:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0119920-020
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:27:10 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 07:47:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.764	4.758	0.006	98	184549	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	85	363374	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	39	423456	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	56	219825	25.0	23.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.496	4.496	0.000	42	134669	25.0	23.0	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	25	789897	25.0	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.962	0.000	92	299009	25.0	25.5	
10 Dichlorodifluoromethane	85	0.998	0.992	0.006	88	930323	100.0	98.9	
12 Chloromethane	50	1.132	1.126	0.006	89	1110461	100.0	92.4	
13 Vinyl chloride	62	1.205	1.193	0.012	95	839907	100.0	94.9	
151 Butadiene	54	1.223	1.217	0.006	93	719247	100.0	80.4	
14 Bromomethane	94	1.448	1.442	0.006	92	556811	100.0	91.4	
15 Chloroethane	64	1.521	1.515	0.006	94	575959	100.0	92.8	
16 Dichlorofluoromethane	67	1.692	1.686	0.006	81	1511173	100.0	95.3	
17 Trichlorofluoromethane	101	1.692	1.692	0.000	57	1220817	100.0	97.9	
18 Ethyl ether	59	1.923	1.917	0.006	94	823962	100.0	83.4	
20 Acrolein	56	2.087	2.081	0.006	93	732802	500.0	446.3	
22 1,1-Dichloroethene	96	2.112	2.105	0.007	87	734830	100.0	101.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.130	2.117	0.013	69	711632	100.0	100.2	
23 Acetone	43	2.227	2.227	0.000	98	2149460	500.0	403.9	
25 Iodomethane	142	2.258	2.245	0.013	98	1332007	100.0	94.8	
26 Carbon disulfide	76	2.288	2.282	0.006	99	2424045	100.0	96.7	
28 3-Chloro-1-propene	41	2.458	2.446	0.012	86	1504683	100.0	91.0	
27 Methyl acetate	43	2.501	2.501	0.000	96	2173630	200.0	169.7	
30 Methylene Chloride	84	2.592	2.586	0.006	90	856936	100.0	97.0	
31 2-Methyl-2-propanol	59	2.762	2.762	0.000	88	1328716	1000.0	936.3	M
32 Methyl tert-butyl ether	73	2.787	2.787	0.000	94	2892112	100.0	87.0	
34 trans-1,2-Dichloroethene	96	2.805	2.799	0.006	91	847540	100.0	95.0	
33 Acrylonitrile	53	2.866	2.860	0.006	99	5357151	1000.0	863.2	
35 Hexane	57	2.994	2.987	0.007	93	1156686	100.0	99.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.200	3.194	0.006	86	1501761	100.0	91.0	
37 Vinyl acetate	43	3.267	3.261	0.006	97	4872136	200.0	224.5	
44 2,2-Dichloropropane	77	3.699	3.693	0.006	92	742161	100.0	87.1	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	81	918696	100.0	90.8	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	98	3582345	500.0	458.0	
48 Chlorobromomethane	128	3.967	3.961	0.006	96	483659	100.0	85.2	
49 Tetrahydrofuran	42	3.973	3.973	0.000	88	940652	200.0	171.5	
50 Chloroform	83	4.046	4.046	0.000	81	1488219	100.0	86.8	
52 Cyclohexane	56	4.143	4.137	0.006	91	1494573	100.0	97.4	
51 1,1,1-Trichloroethane	97	4.143	4.143	0.000	96	1215347	100.0	98.2	
55 Carbon tetrachloride	117	4.277	4.271	0.006	79	1075608	100.0	99.0	
54 1,1-Dichloropropene	75	4.296	4.289	0.007	90	1138513	100.0	97.3	
57 Benzene	78	4.490	4.490	0.000	98	3355842	100.0	92.4	
53 Isobutyl alcohol	43	4.551	4.551	0.000	93	1509574	2500.0	2627.8	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	75	1273719	100.0	87.6	
59 n-Heptane	43	4.685	4.679	0.006	95	1259046	100.0	100.5	
62 Trichloroethene	95	5.092	5.092	0.000	92	870624	100.0	91.7	
64 Methylcyclohexane	83	5.202	5.196	0.006	93	1332167	100.0	98.2	
65 1,2-Dichloropropane	63	5.330	5.330	0.000	90	842343	100.0	94.0	
67 Dibromomethane	93	5.464	5.463	0.001	90	583150	100.0	90.7	
66 1,4-Dioxane	88	5.482	5.482	0.000	47	184339	2000.0	1986.8	
68 Dichlorobromomethane	83	5.628	5.628	0.000	99	1095120	100.0	96.7	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	92	711942	100.0	104.6	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	87	1391952	100.0	100.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.194	6.193	0.001	98	7618748	500.0	495.6	
74 Toluene	92	6.315	6.309	0.006	98	2256005	100.0	97.1	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	94	1312532	100.0	104.1	
75 Ethyl methacrylate	69	6.668	6.668	0.000	85	1429552	100.0	119.9	
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	87	685916	100.0	92.9	
81 Tetrachloroethene	166	6.832	6.826	0.006	92	982267	100.0	100.9	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	96	1404861	100.0	95.4	
80 2-Hexanone	43	7.027	7.027	0.000	98	5512300	500.0	522.5	
83 Chlorodibromomethane	129	7.173	7.173	0.000	87	916857	100.0	108.3	
84 Ethylene Dibromide	107	7.264	7.258	0.006	98	923644	100.0	97.8	
87 Chlorobenzene	112	7.739	7.733	0.006	94	2515422	100.0	97.1	
88 Ethylbenzene	91	7.836	7.836	0.000	98	4352267	100.0	102.8	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.836	0.006	41	875936	100.0	105.2	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	99	1695270	100.0	102.2	
91 o-Xylene	106	8.378	8.377	0.001	97	1649607	100.0	96.5	
92 Styrene	104	8.414	8.408	0.006	94	2794009	100.0	103.7	
95 Bromoform	173	8.645	8.645	0.000	95	686743	100.0	121.5	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	3927573	100.0	97.4	
101 Bromobenzene	156	9.102	9.101	0.001	93	1165986	100.0	92.1	
97 1,1,2,2-Tetrachloroethane	83	9.199	9.193	0.006	64	1328943	100.0	93.4	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	5084347	100.0	99.7	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	58	451063	100.0	93.1	
98 trans-1,4-Dichloro-2-butene	53	9.248	9.247	0.001	67	476329	100.0	117.0	
103 2-Chlorotoluene	126	9.308	9.302	0.006	94	1052230	100.0	94.3	
102 1,3,5-Trimethylbenzene	105	9.406	9.400	0.006	93	3658459	100.0	97.9	
105 4-Chlorotoluene	126	9.430	9.430	0.000	98	1118035	100.0	98.3	
106 tert-Butylbenzene	134	9.734	9.734	0.000	91	820247	100.0	99.4	
107 1,2,4-Trimethylbenzene	105	9.795	9.789	0.006	86	3799986	100.0	97.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	4438488	100.0	100.2	
111 1,3-Dichlorobenzene	146	10.087	10.081	0.006	98	2231504	100.0	95.7	
110 4-Isopropyltoluene	119	10.111	10.105	0.006	94	4022009	100.0	100.4	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	94	2281380	100.0	93.0	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	3437861	100.0	100.3	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	97	2203533	100.0	91.6	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	84	309153	100.0	99.9	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	93	1511682	100.0	93.3	
120 Hexachlorobutadiene	225	12.095	12.095	0.000	94	563580	100.0	80.2	
121 Naphthalene	128	12.186	12.186	0.000	96	5237443	100.0	94.0	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	95	1493187	100.0	91.7	
S 125 1,2-Dichloroethene, Total	1				0			185.8	
S 123 Total BTEX	1				0			490.9	
S 126 1,3-Dichloropropene, Total	1				0			204.7	
S 124 Xylenes, Total	1				0			198.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00258	Amount Added:	50.00	Units: uL	
GAS CORP mix_00639	Amount Added:	50.00	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

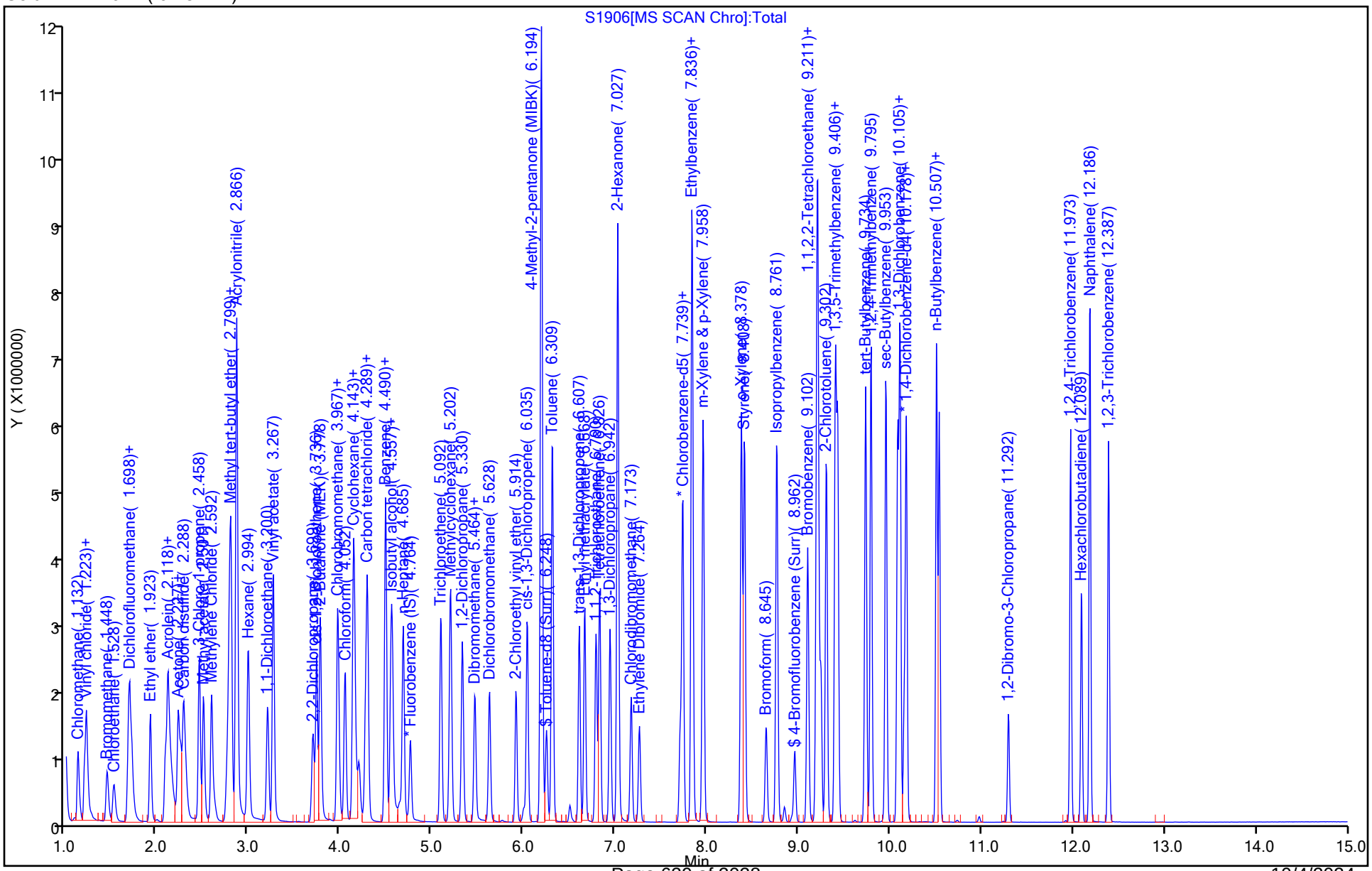
Report Date: 10-Sep-2024 10:27:11 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1906.d

Injection Date:	09-Sep-2024 23:56:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	IC 7			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)


S1906[MS SCAN Chro]:Total
Y (X1000000)
Min
Chloromethane(1.132)
Vinyl chloride(1.223)+
Bromomethane(1.448)
Chloroethane(1.528)
Dichlorofluoromethane(1.698)+
Ethyl ether(1.923)
Acrolein(2.118)+
Acetone(2.288)
Carbon disulfide(2.458)
Methyl acetate(2.592)
Methylene Chloride(2.592)
Acrylonitrile(2.799)+
Methyl tert-butyl ether(2.866)
Hexane(2.994)
1,1-Dichloroethane(3.200)
Vinyl acetate(3.267)
Chloroprene(3.376)
Chloroprene(3.376)
Chloroprene(3.376

Eurofins Buffalo

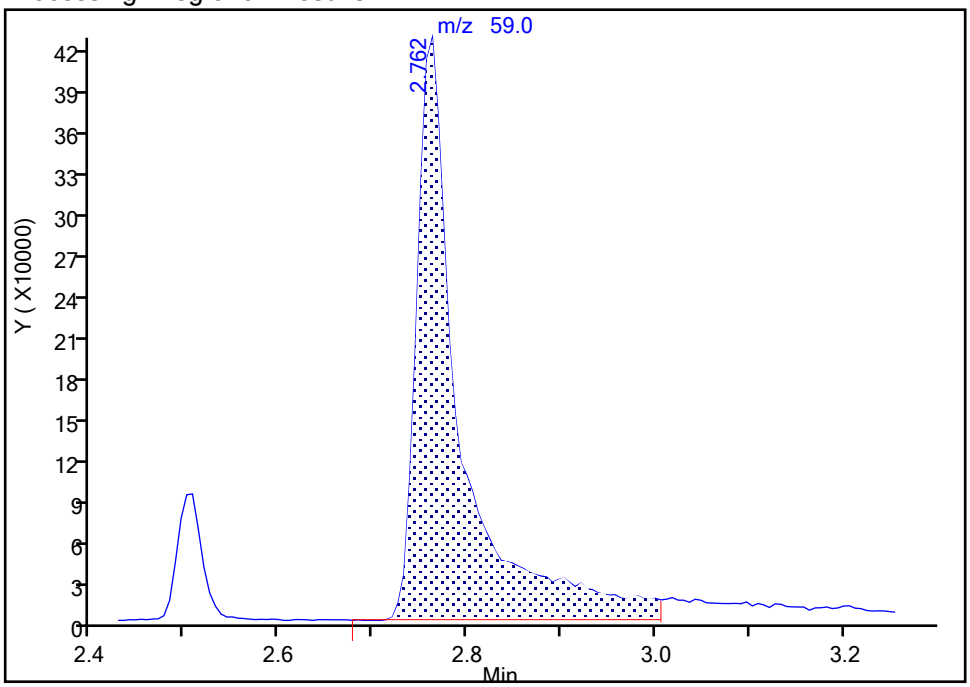
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1906.d
Injection Date: 09-Sep-2024 23:56:30 Instrument ID: HP5973S
Lims ID: IC 7
Client ID:
Operator ID: ZN ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

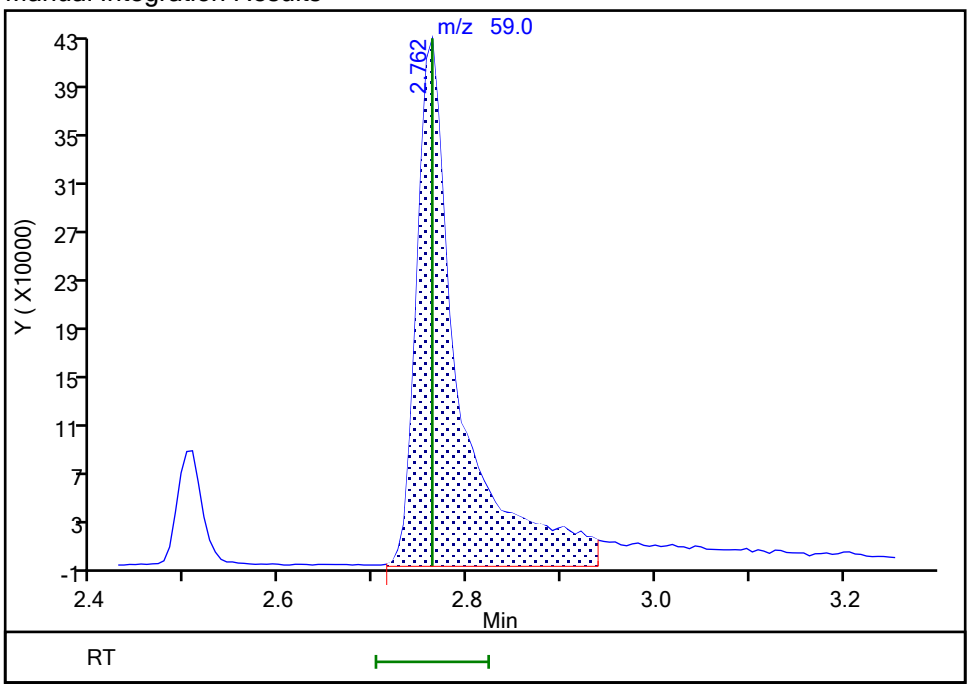
Processing Integration Results

RT: 2.76
Area: 1393570
Amount: 976.4521
Amount Units: ug/L



Manual Integration Results

RT: 2.76
Area: 1328716
Amount: 936.3286
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 08:39:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

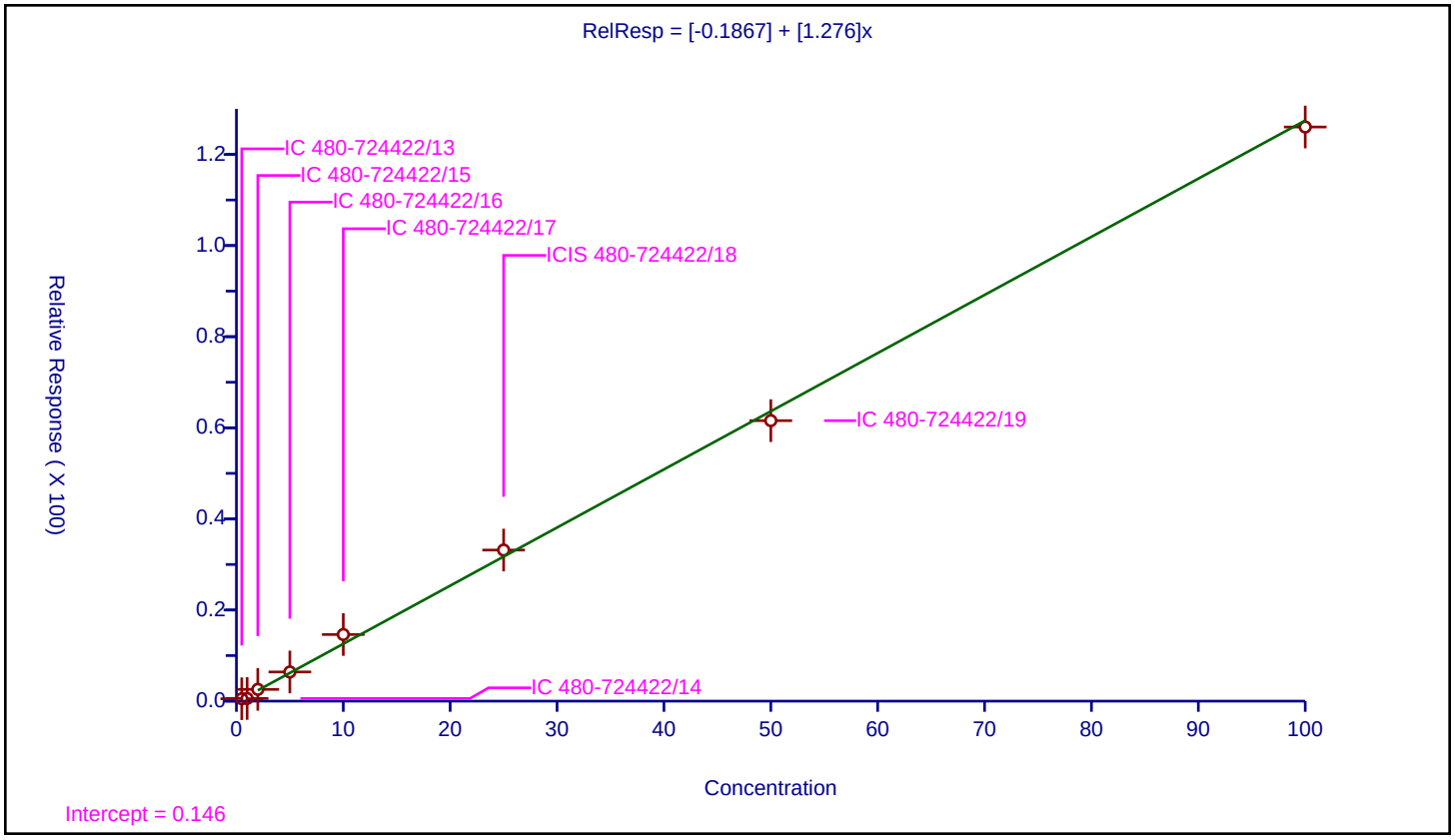
Curve Coefficients

Intercept:	-0.1867
Slope:	1.276

Error Coefficients

Relative Standard Deviation:	18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.524881	25.0	170372.0	1.049762	Y
2	IC 480-724422/14	1.0	0.585871	25.0	158866.0	0.585871	Y
3	IC 480-724422/15	2.0	2.583255	25.0	147498.0	1.291628	Y
4	IC 480-724422/16	5.0	6.402386	25.0	171686.0	1.280477	Y
5	IC 480-724422/17	10.0	14.624198	25.0	153964.0	1.46242	Y
6	ICIS 480-724422/18	25.0	33.164882	25.0	176411.0	1.326595	Y
7	IC 480-724422/19	50.0	61.572088	25.0	172255.0	1.231442	Y
8	IC 480-724422/20	100.0	126.026557	25.0	184549.0	1.260266	Y



10/4/2024
12:15:34 PM

Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

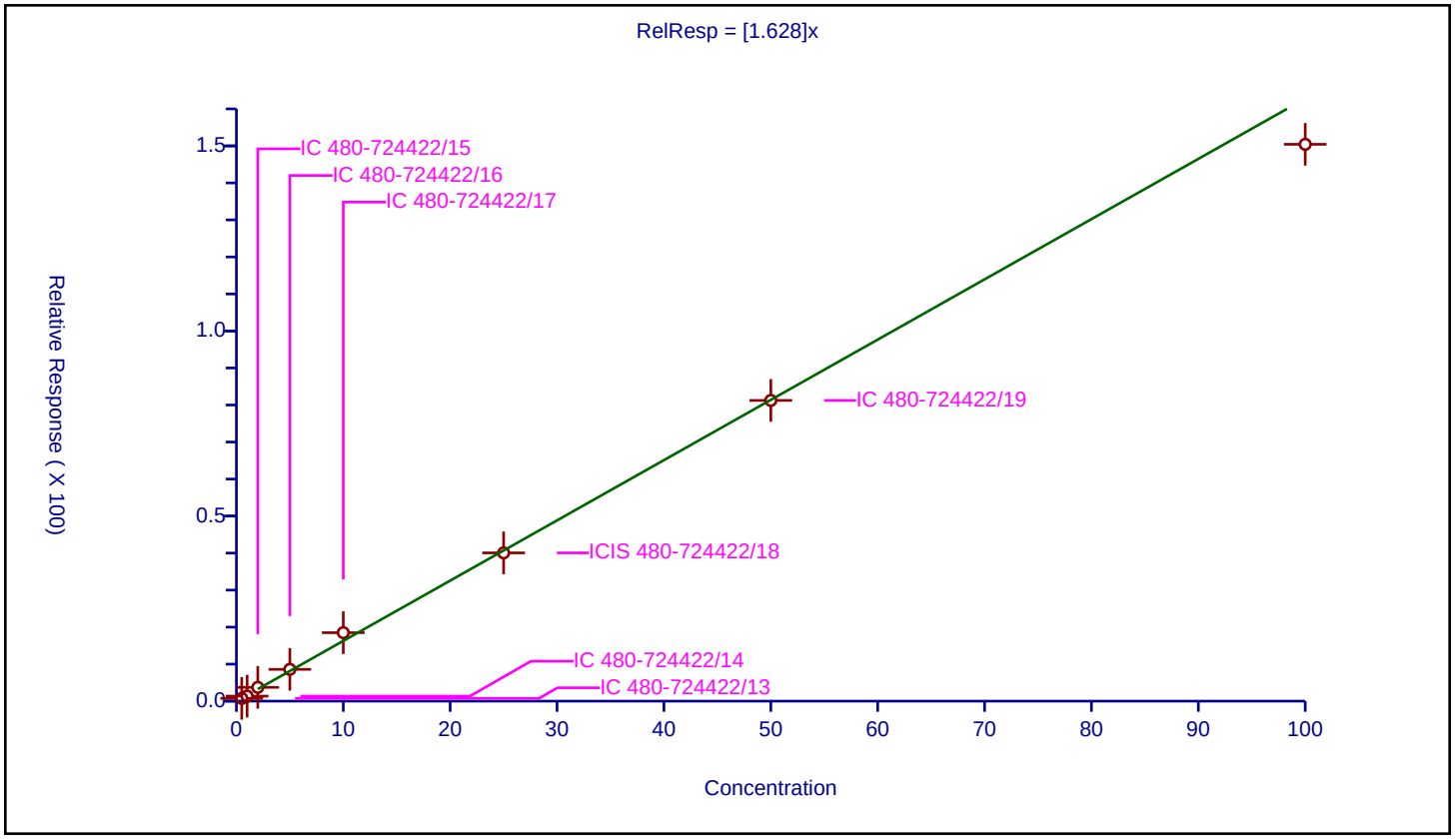
Curve Coefficients

Intercept:	0
Slope:	1.628

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.752178	25.0	170372.0	1.504355	Y
2	IC 480-724422/14	1.0	1.357276	25.0	158866.0	1.357276	Y
3	IC 480-724422/15	2.0	3.721745	25.0	147498.0	1.860873	Y
4	IC 480-724422/16	5.0	8.590974	25.0	171686.0	1.718195	Y
5	IC 480-724422/17	10.0	18.49913	25.0	153964.0	1.849913	Y
6	ICIS 480-724422/18	25.0	40.055609	25.0	176411.0	1.602224	Y
7	IC 480-724422/19	50.0	81.241038	25.0	172255.0	1.624821	Y
8	IC 480-724422/20	100.0	150.429019	25.0	184549.0	1.50429	Y



10/4/2024
12:15:34 PM

Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

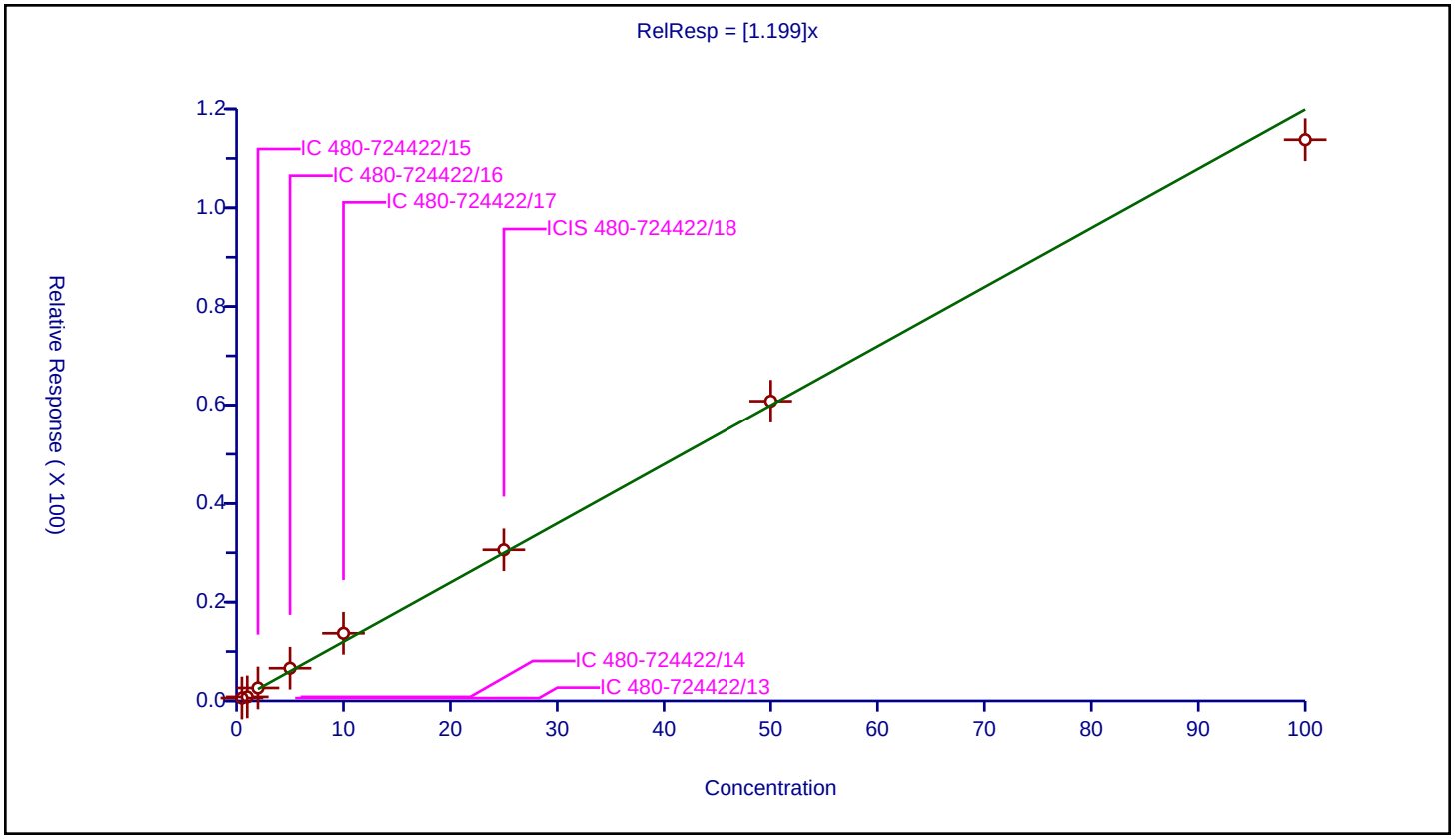
Curve Coefficients

Intercept:	0
Slope:	1.199

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.590179	25.0	170372.0	1.180358	Y
2	IC 480-724422/14	1.0	0.821447	25.0	158866.0	0.821447	Y
3	IC 480-724422/15	2.0	2.632748	25.0	147498.0	1.316374	Y
4	IC 480-724422/16	5.0	6.628234	25.0	171686.0	1.325647	Y
5	IC 480-724422/17	10.0	13.701417	25.0	153964.0	1.370142	Y
6	ICIS 480-724422/18	25.0	30.604101	25.0	176411.0	1.224164	Y
7	IC 480-724422/19	50.0	60.796784	25.0	172255.0	1.215936	Y
8	IC 480-724422/20	100.0	113.778319	25.0	184549.0	1.137783	Y



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Calibration / Butadiene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

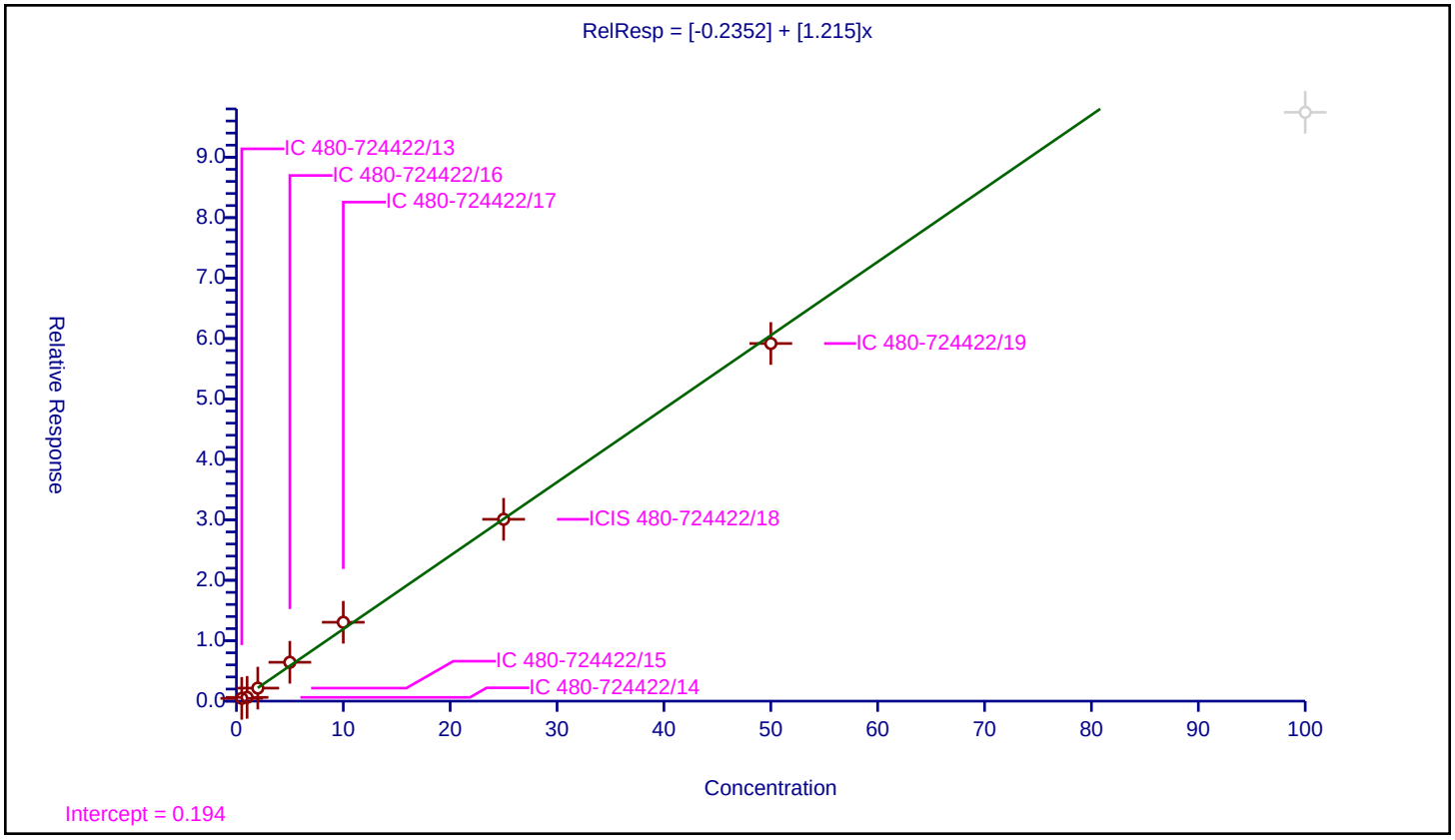
Curve Coefficients

Intercept:	-0.2352
Slope:	1.215

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.458996	25.0	170372.0	0.917991	Y
2	IC 480-724422/14	1.0	0.624426	25.0	158866.0	0.624426	Y
3	IC 480-724422/15	2.0	2.158165	25.0	147498.0	1.079082	Y
4	IC 480-724422/16	5.0	6.430344	25.0	171686.0	1.286069	Y
5	IC 480-724422/17	10.0	13.051915	25.0	153964.0	1.305191	Y
6	ICIS 480-724422/18	25.0	30.089535	25.0	176411.0	1.203581	Y
7	IC 480-724422/19	50.0	59.182752	25.0	172255.0	1.183655	Y
8	IC 480-724422/20	100.0	97.433067	25.0	184549.0	0.974331	N



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Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

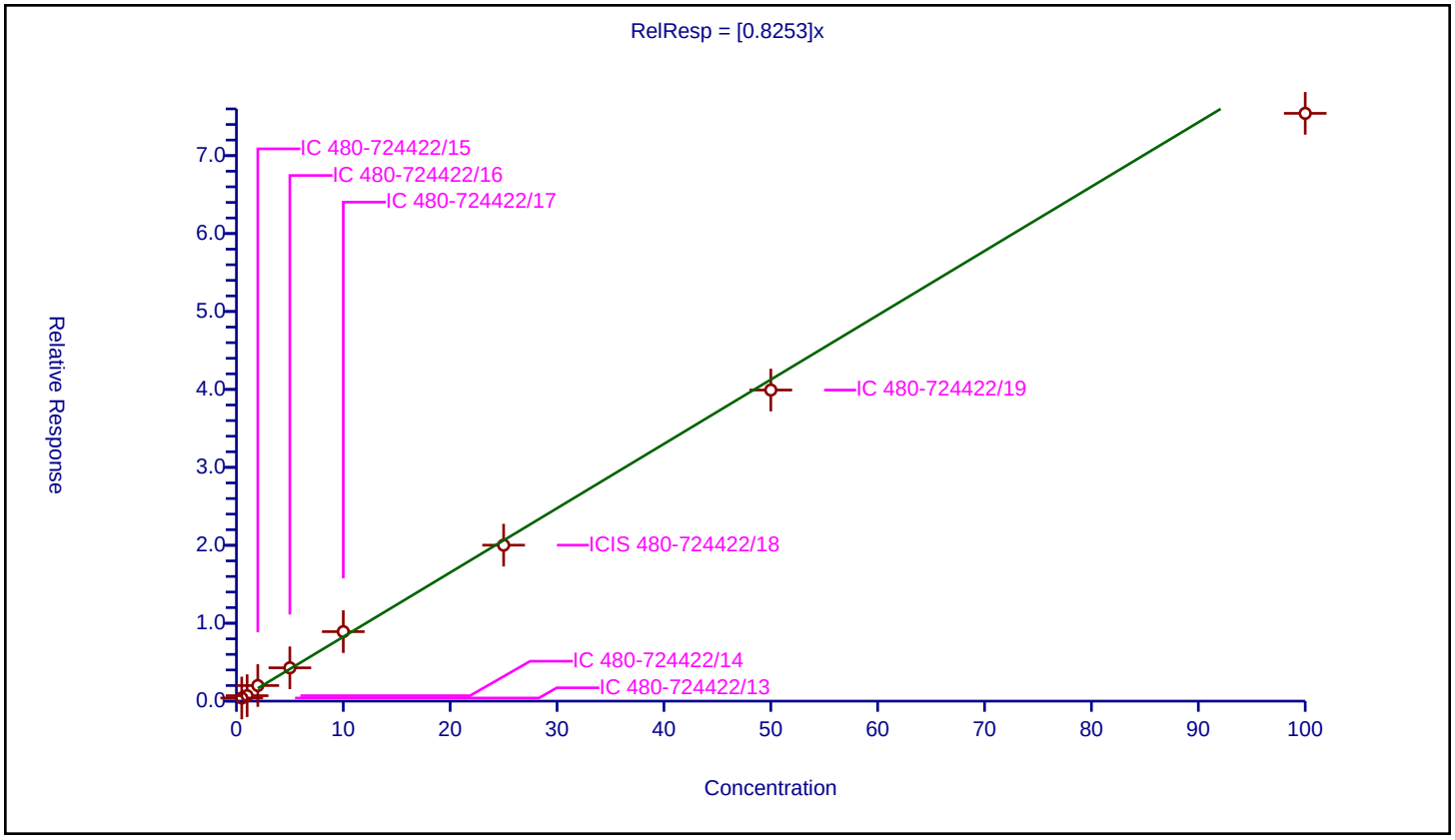
Curve Coefficients

Intercept:	0
Slope:	0.8253

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.400447	25.0	170372.0	0.800895	Y
2	IC 480-724422/14	1.0	0.700276	25.0	158866.0	0.700276	Y
3	IC 480-724422/15	2.0	2.001044	25.0	147498.0	1.000522	Y
4	IC 480-724422/16	5.0	4.27612	25.0	171686.0	0.855224	Y
5	IC 480-724422/17	10.0	8.918319	25.0	153964.0	0.891832	Y
6	ICIS 480-724422/18	25.0	20.01505	25.0	176411.0	0.800602	Y
7	IC 480-724422/19	50.0	39.923079	25.0	172255.0	0.798462	Y
8	IC 480-724422/20	100.0	75.428612	25.0	184549.0	0.754286	Y



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Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

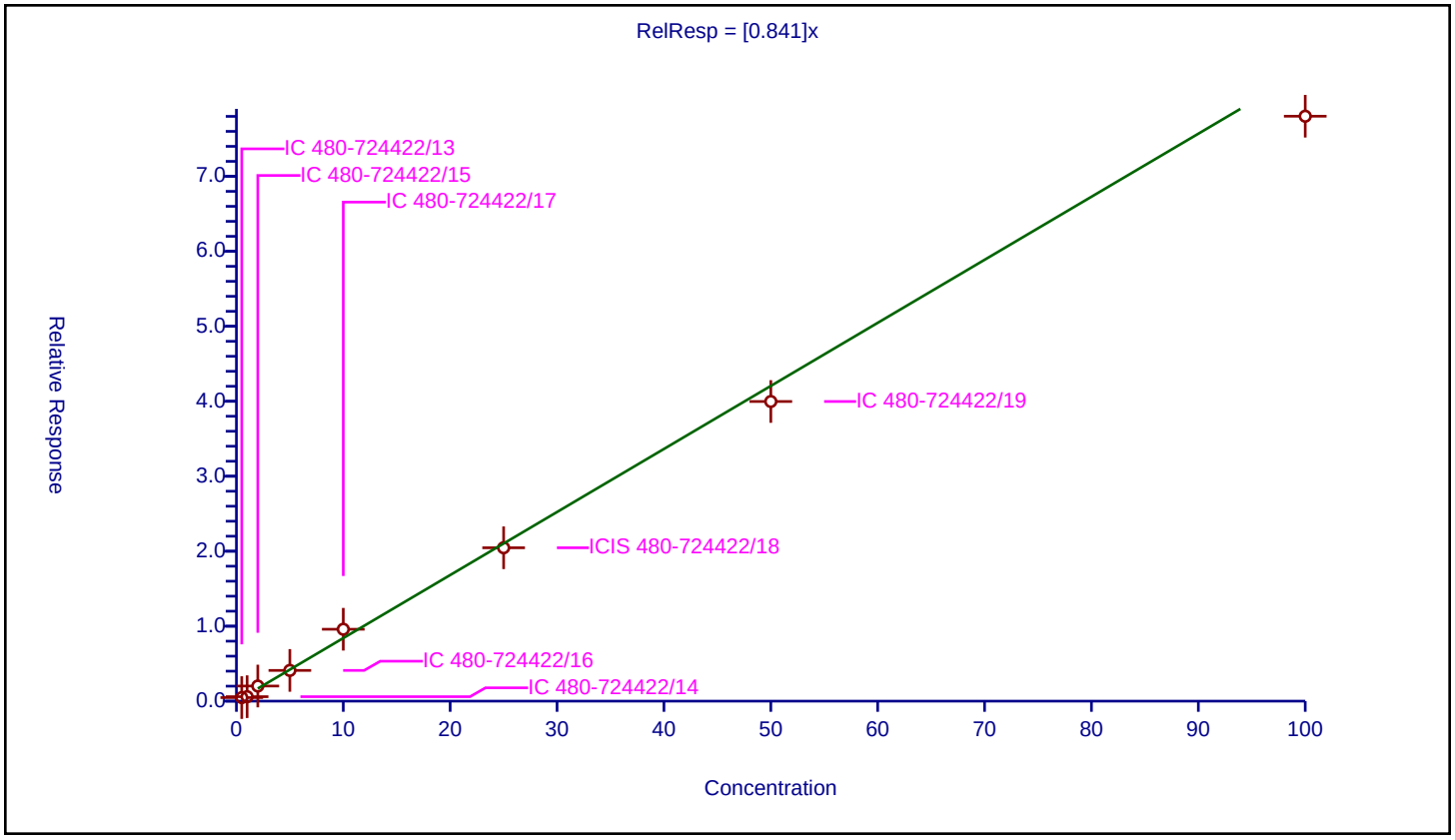
Curve Coefficients

Intercept:	0
Slope:	0.841

Error Coefficients

Relative Standard Deviation:	15.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.474843	25.0	170372.0	0.949687	Y
2	IC 480-724422/14	1.0	0.593425	25.0	158866.0	0.593425	Y
3	IC 480-724422/15	2.0	2.016299	25.0	147498.0	1.008149	Y
4	IC 480-724422/16	5.0	4.09847	25.0	171686.0	0.819694	Y
5	IC 480-724422/17	10.0	9.590716	25.0	153964.0	0.959072	Y
6	ICIS 480-724422/18	25.0	20.459325	25.0	176411.0	0.818373	Y
7	IC 480-724422/19	50.0	39.968071	25.0	172255.0	0.799361	Y
8	IC 480-724422/20	100.0	78.022504	25.0	184549.0	0.780225	Y



Calibration / Trichlorofluoromethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

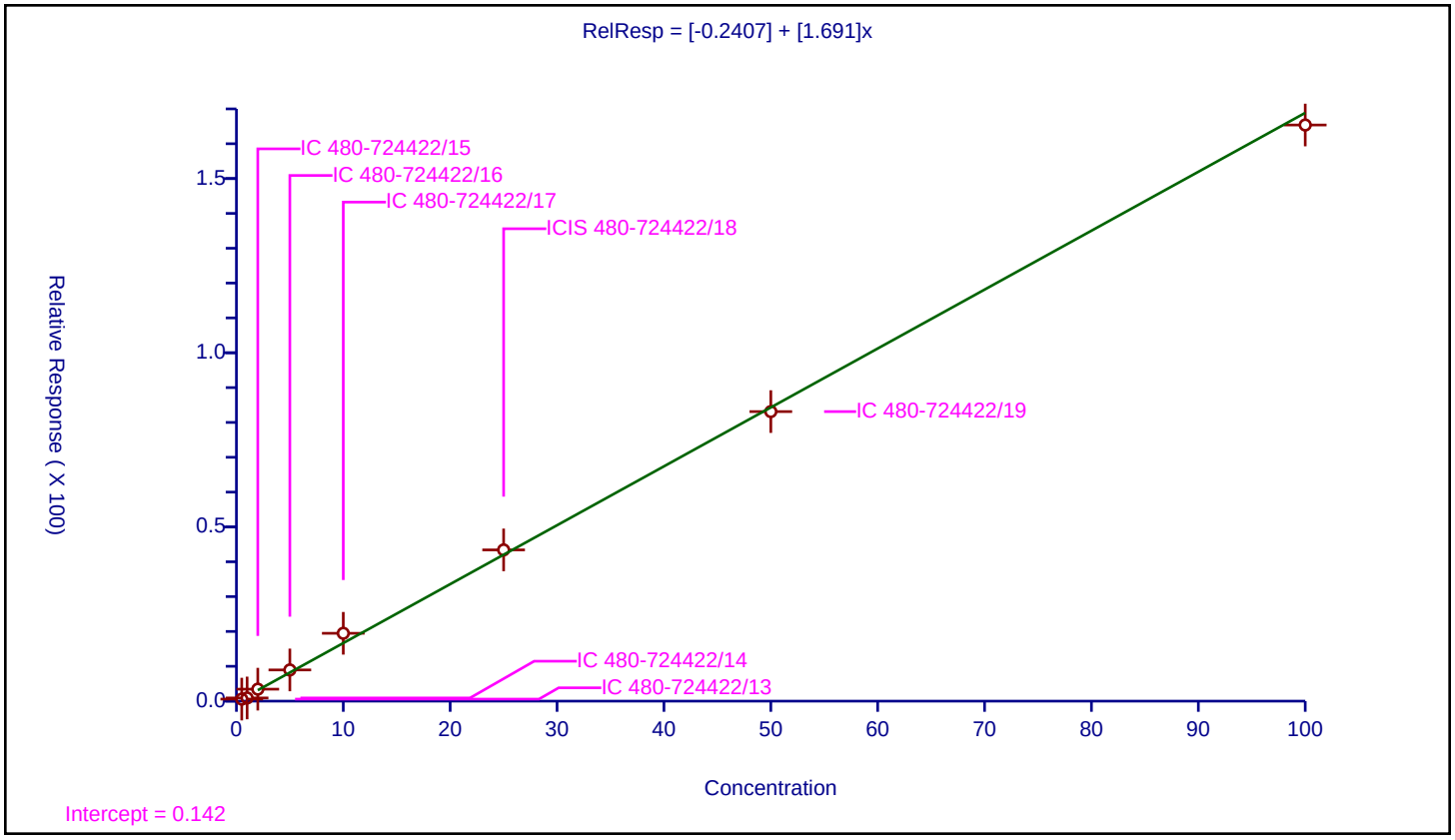
Curve Coefficients

Intercept:	-0.2407
Slope:	1.691

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.587391	25.0	170372.0	1.174782	Y
2	IC 480-724422/14	1.0	0.911932	25.0	158866.0	0.911932	Y
3	IC 480-724422/15	2.0	3.434284	25.0	147498.0	1.717142	Y
4	IC 480-724422/16	5.0	8.959234	25.0	171686.0	1.791847	Y
5	IC 480-724422/17	10.0	19.476306	25.0	153964.0	1.947631	Y
6	ICIS 480-724422/18	25.0	43.412826	25.0	176411.0	1.736513	Y
7	IC 480-724422/19	50.0	83.111376	25.0	172255.0	1.662228	Y
8	IC 480-724422/20	100.0	165.378436	25.0	184549.0	1.653784	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

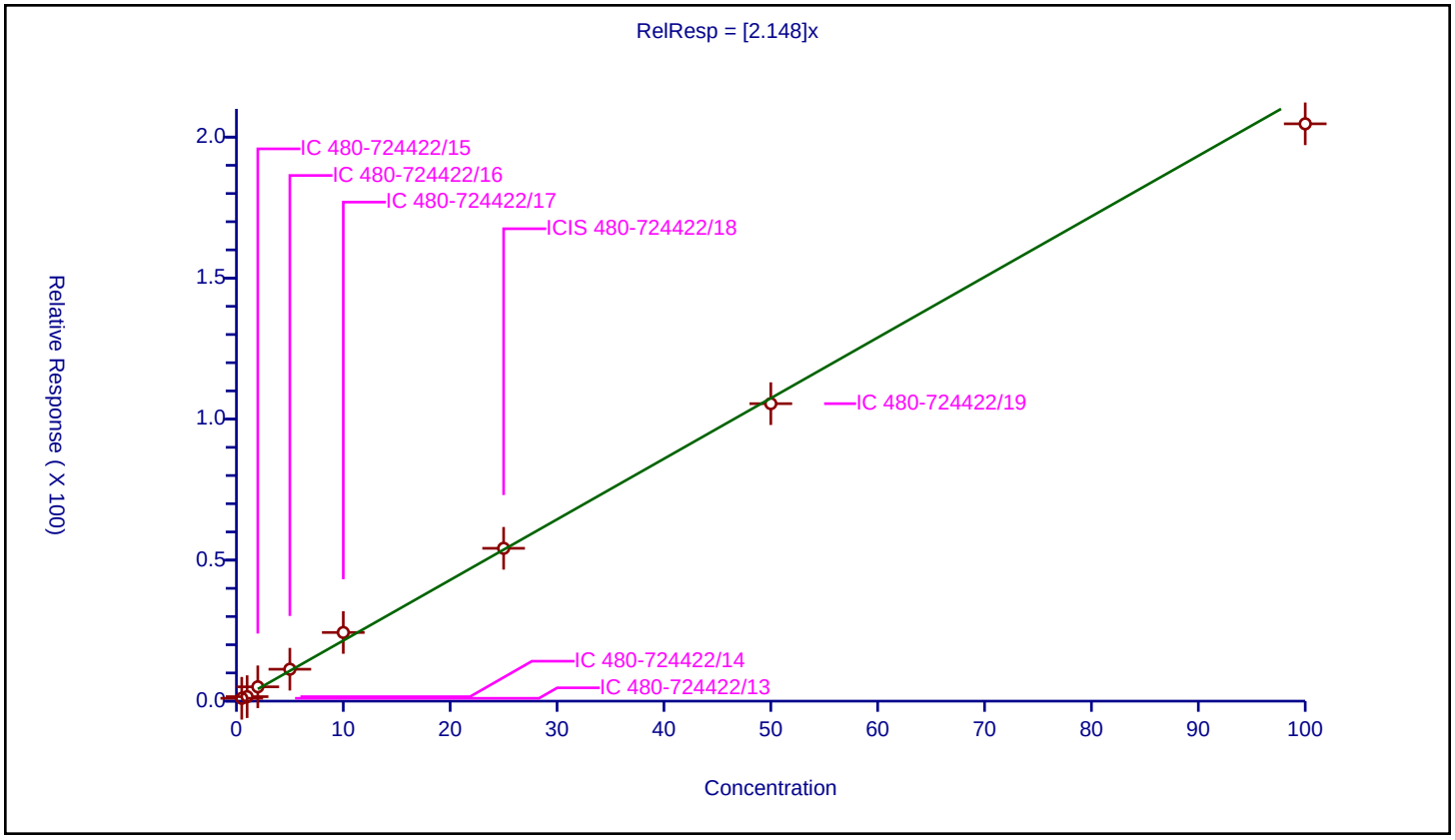
Curve Coefficients

Intercept:	0
Slope:	2.148

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.018507	25.0	170372.0	2.037013	Y
2	IC 480-724422/14	1.0	1.58939	25.0	158866.0	1.58939	Y
3	IC 480-724422/15	2.0	5.077357	25.0	147498.0	2.538678	Y
4	IC 480-724422/16	5.0	11.316298	25.0	171686.0	2.26326	Y
5	IC 480-724422/17	10.0	24.351959	25.0	153964.0	2.435196	Y
6	ICIS 480-724422/18	25.0	54.191349	25.0	176411.0	2.167654	Y
7	IC 480-724422/19	50.0	105.480247	25.0	172255.0	2.109605	Y
8	IC 480-724422/20	100.0	204.711621	25.0	184549.0	2.047116	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

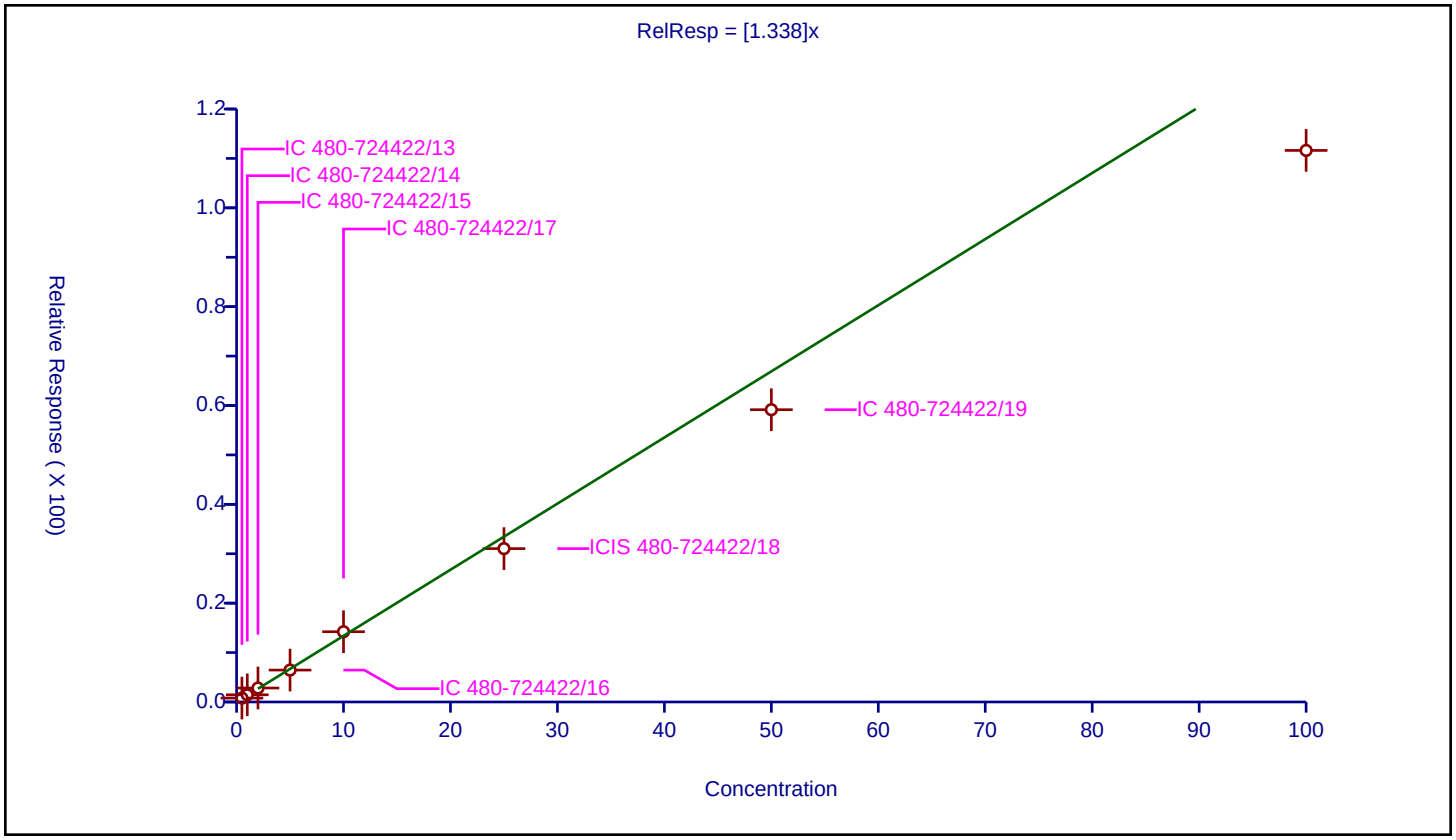
Curve Coefficients

Intercept:	0
Slope:	1.338

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.790916	25.0	170372.0	1.581833	Y
2	IC 480-724422/14	1.0	1.455944	25.0	158866.0	1.455944	Y
3	IC 480-724422/15	2.0	2.826479	25.0	147498.0	1.41324	Y
4	IC 480-724422/16	5.0	6.45437	25.0	171686.0	1.290874	Y
5	IC 480-724422/17	10.0	14.219395	25.0	153964.0	1.42194	Y
6	ICIS 480-724422/18	25.0	31.039448	25.0	176411.0	1.241578	Y
7	IC 480-724422/19	50.0	59.149952	25.0	172255.0	1.182999	Y
8	IC 480-724422/20	100.0	111.618324	25.0	184549.0	1.116183	Y



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Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

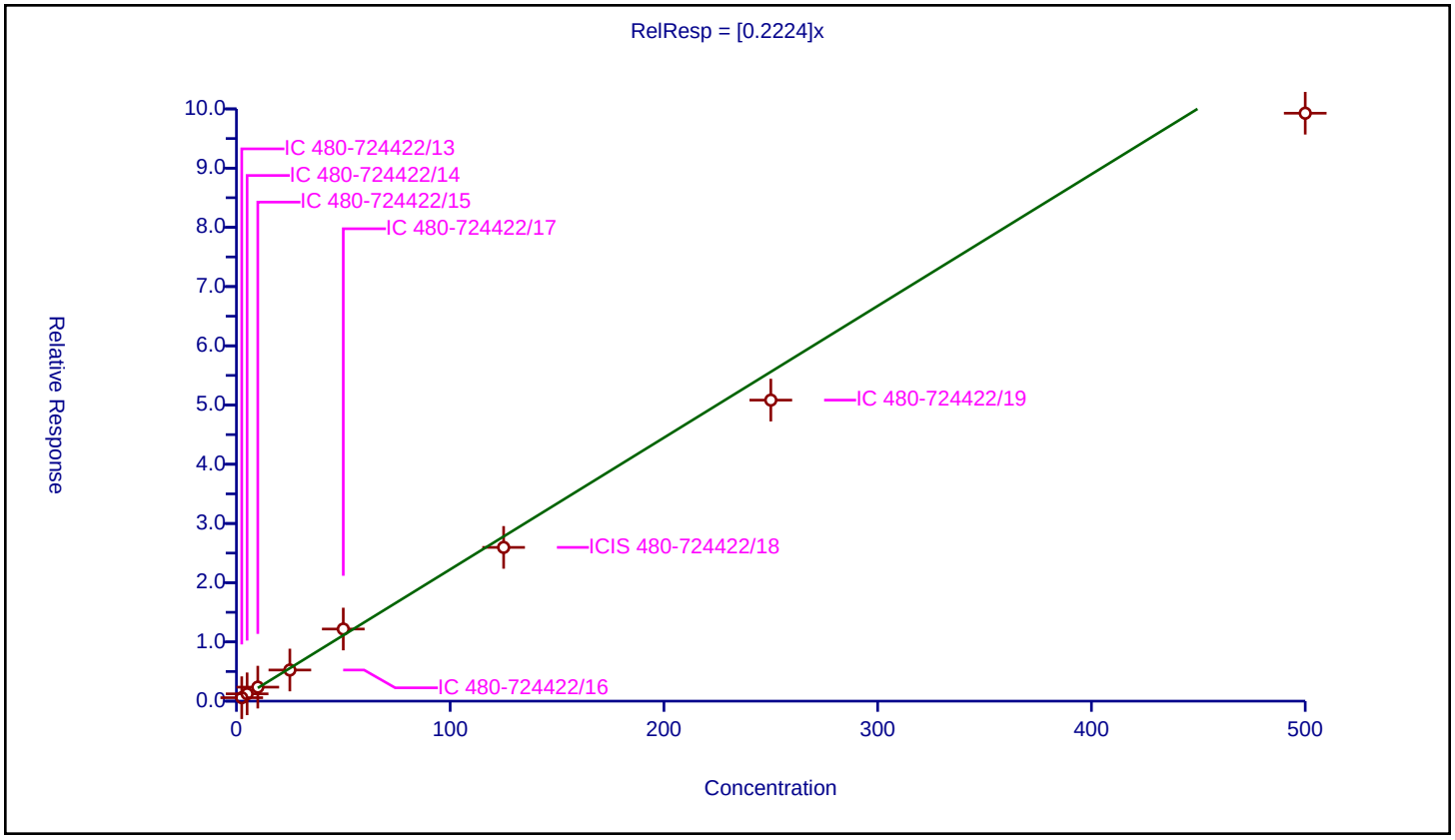
Curve Coefficients

Intercept:	0
Slope:	0.2224

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	2.5	0.582989	25.0	170372.0	0.233196	Y
2	IC 480-724422/14	5.0	1.233115	25.0	158866.0	0.246623	Y
3	IC 480-724422/15	10.0	2.362574	25.0	147498.0	0.236257	Y
4	IC 480-724422/16	25.0	5.256835	25.0	171686.0	0.210273	Y
5	IC 480-724422/17	50.0	12.174275	25.0	153964.0	0.243485	Y
6	ICIS 480-724422/18	125.0	25.958557	25.0	176411.0	0.207668	Y
7	IC 480-724422/19	250.0	50.828133	25.0	172255.0	0.203313	Y
8	IC 480-724422/20	500.0	99.2693	25.0	184549.0	0.198539	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

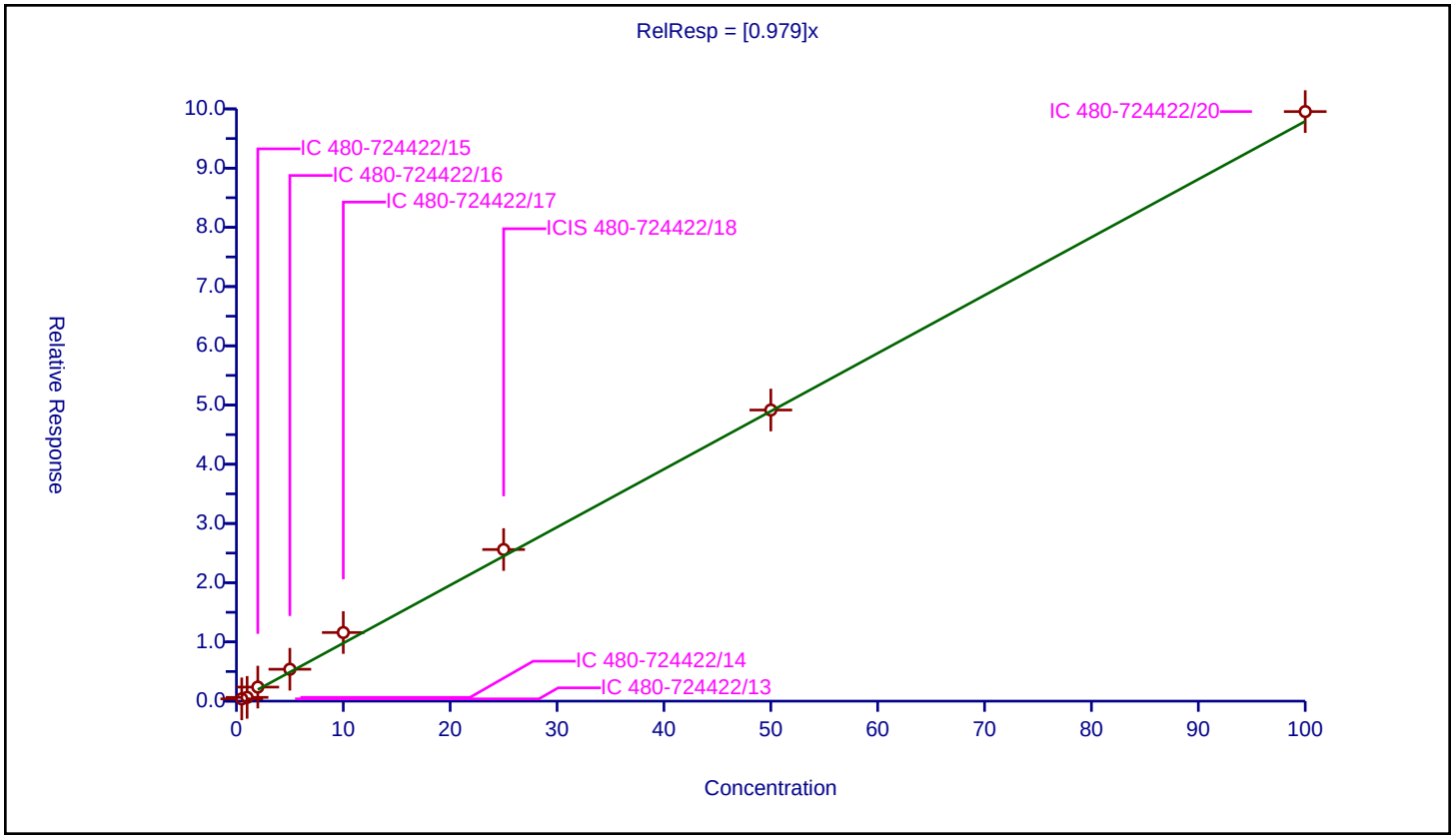
Curve Coefficients

Intercept:	0
Slope:	0.979

Error Coefficients

Relative Standard Deviation:	19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.38636	25.0	170372.0	0.772721	Y
2	IC 480-724422/14	1.0	0.63434	25.0	158866.0	0.63434	Y
3	IC 480-724422/15	2.0	2.37393	25.0	147498.0	1.186965	Y
4	IC 480-724422/16	5.0	5.383374	25.0	171686.0	1.076675	Y
5	IC 480-724422/17	10.0	11.58891	25.0	153964.0	1.158891	Y
6	ICIS 480-724422/18	25.0	25.601578	25.0	176411.0	1.024063	Y
7	IC 480-724422/19	50.0	49.154016	25.0	172255.0	0.98308	Y
8	IC 480-724422/20	100.0	99.544024	25.0	184549.0	0.99544	Y



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Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

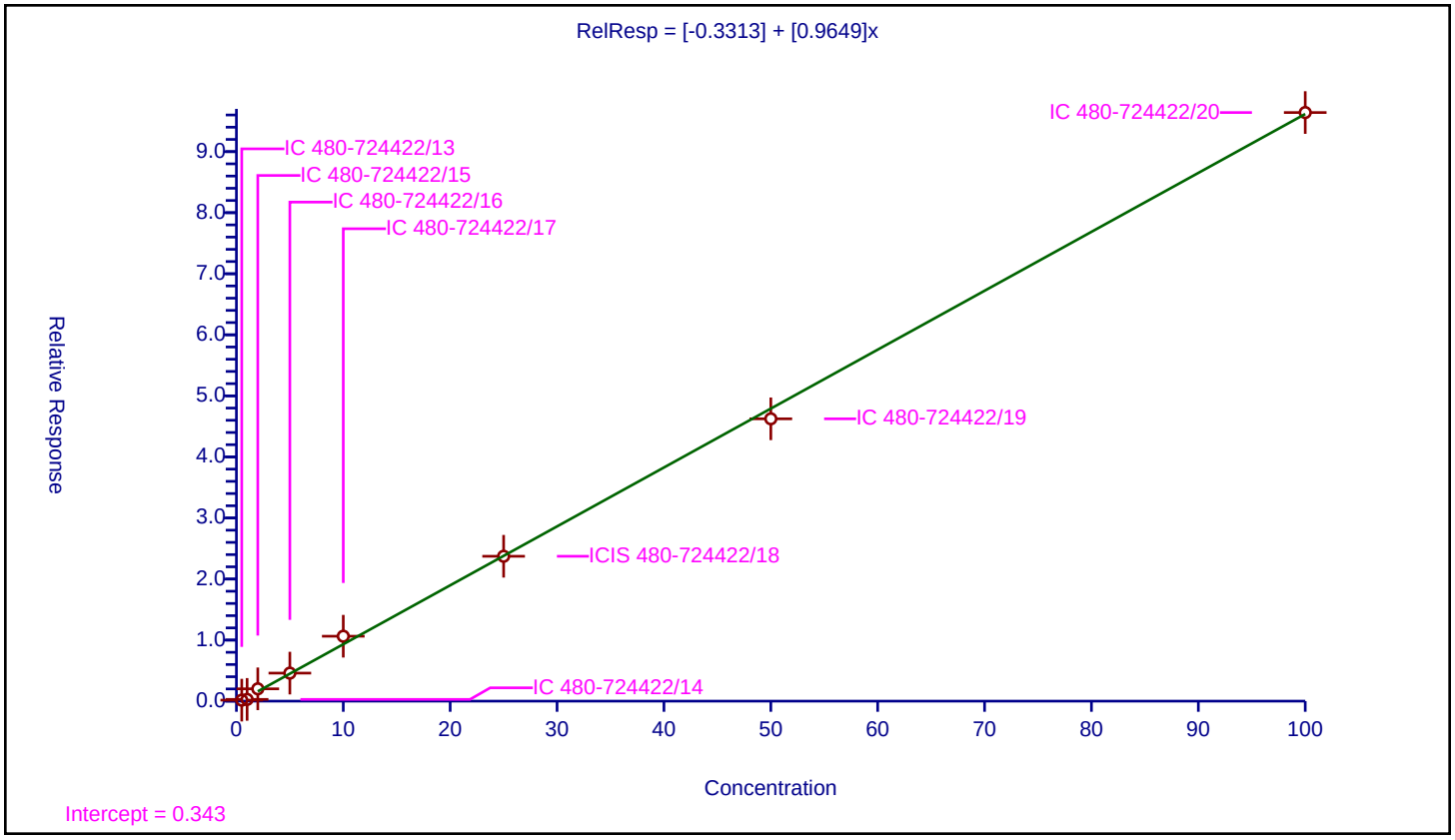
Curve Coefficients

Intercept:	-0.3313
Slope:	0.9649

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.161411	25.0	170372.0	0.322823	Y
2	IC 480-724422/14	1.0	0.285146	25.0	158866.0	0.285146	Y
3	IC 480-724422/15	2.0	2.019349	25.0	147498.0	1.009675	Y
4	IC 480-724422/16	5.0	4.592541	25.0	171686.0	0.918508	Y
5	IC 480-724422/17	10.0	10.633167	25.0	153964.0	1.063317	Y
6	ICIS 480-724422/18	25.0	23.727829	25.0	176411.0	0.949113	Y
7	IC 480-724422/19	50.0	46.242054	25.0	172255.0	0.924841	Y
8	IC 480-724422/20	100.0	96.401498	25.0	184549.0	0.964015	Y



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Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

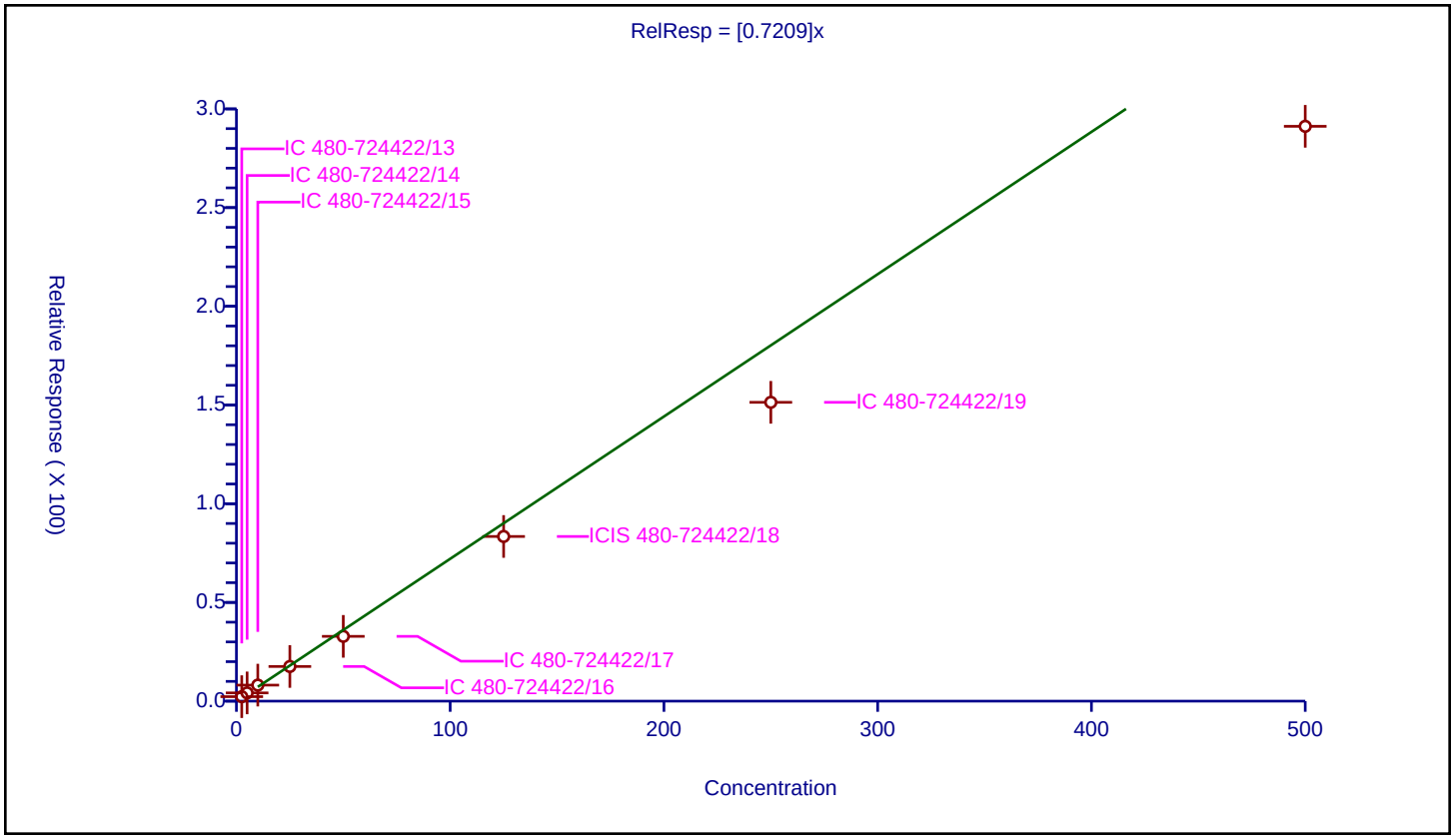
Curve Coefficients

Intercept:	0
Slope:	0.7209

Error Coefficients

Relative Standard Deviation:	16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	2.5	2.269299	25.0	170372.0	0.90772	Y
2	IC 480-724422/14	5.0	4.17144	25.0	158866.0	0.834288	Y
3	IC 480-724422/15	10.0	8.11011	25.0	147498.0	0.811011	Y
4	IC 480-724422/16	25.0	17.556761	25.0	171686.0	0.70227	Y
5	IC 480-724422/17	50.0	32.82001	25.0	153964.0	0.6564	Y
6	ICIS 480-724422/18	125.0	83.410048	25.0	176411.0	0.66728	Y
7	IC 480-724422/19	250.0	151.370933	25.0	172255.0	0.605484	Y
8	IC 480-724422/20	500.0	291.177411	25.0	184549.0	0.582355	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

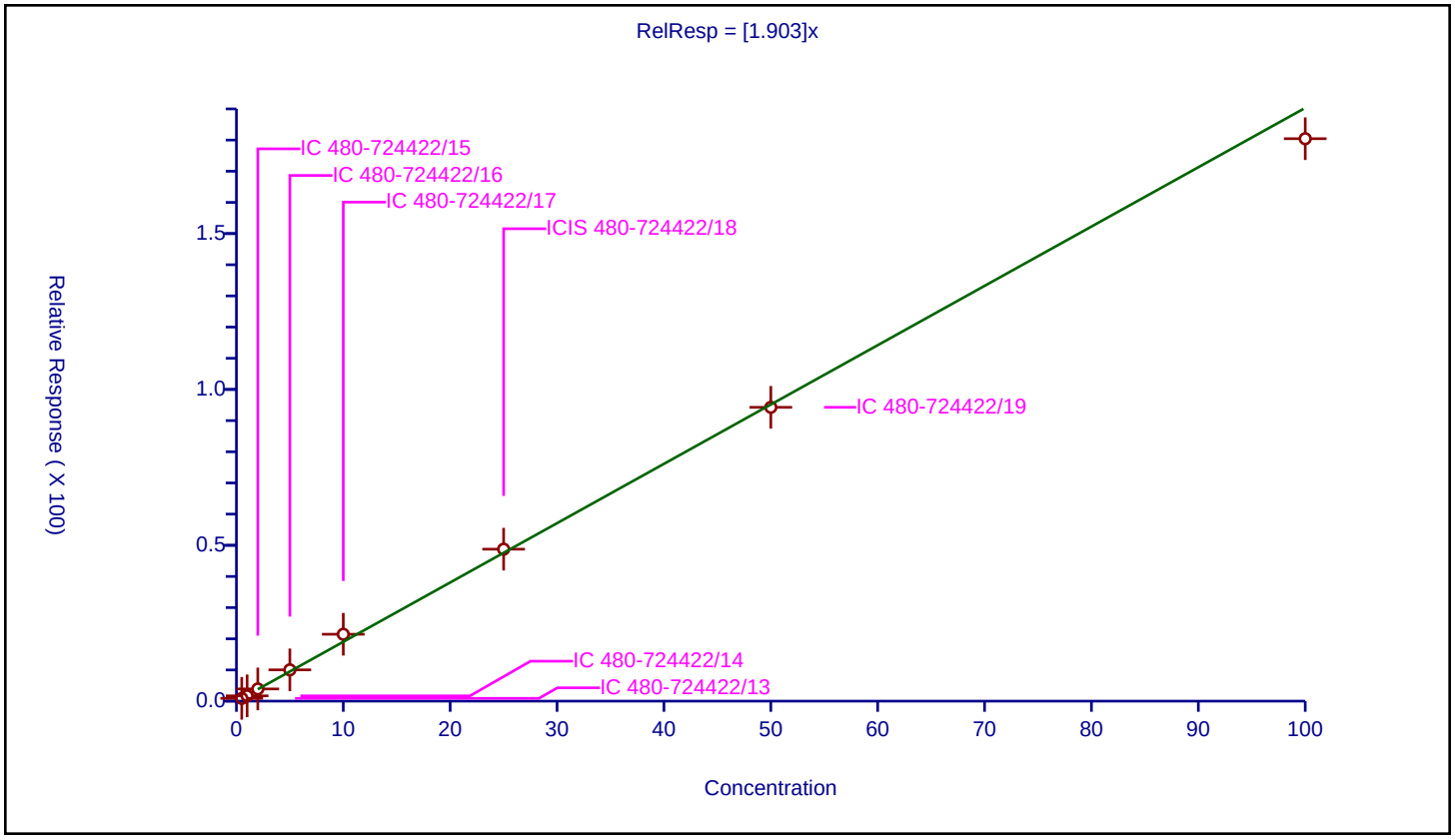
Curve Coefficients

Intercept:	0
Slope:	1.903

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.890698	25.0	170372.0	1.781396	Y
2	IC 480-724422/14	1.0	1.697815	25.0	158866.0	1.697815	Y
3	IC 480-724422/15	2.0	3.907511	25.0	147498.0	1.953755	Y
4	IC 480-724422/16	5.0	10.03387	25.0	171686.0	2.006774	Y
5	IC 480-724422/17	10.0	21.456964	25.0	153964.0	2.145696	Y
6	ICIS 480-724422/18	25.0	48.750787	25.0	176411.0	1.950031	Y
7	IC 480-724422/19	50.0	94.259528	25.0	172255.0	1.885191	Y
8	IC 480-724422/20	100.0	180.440831	25.0	184549.0	1.804408	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

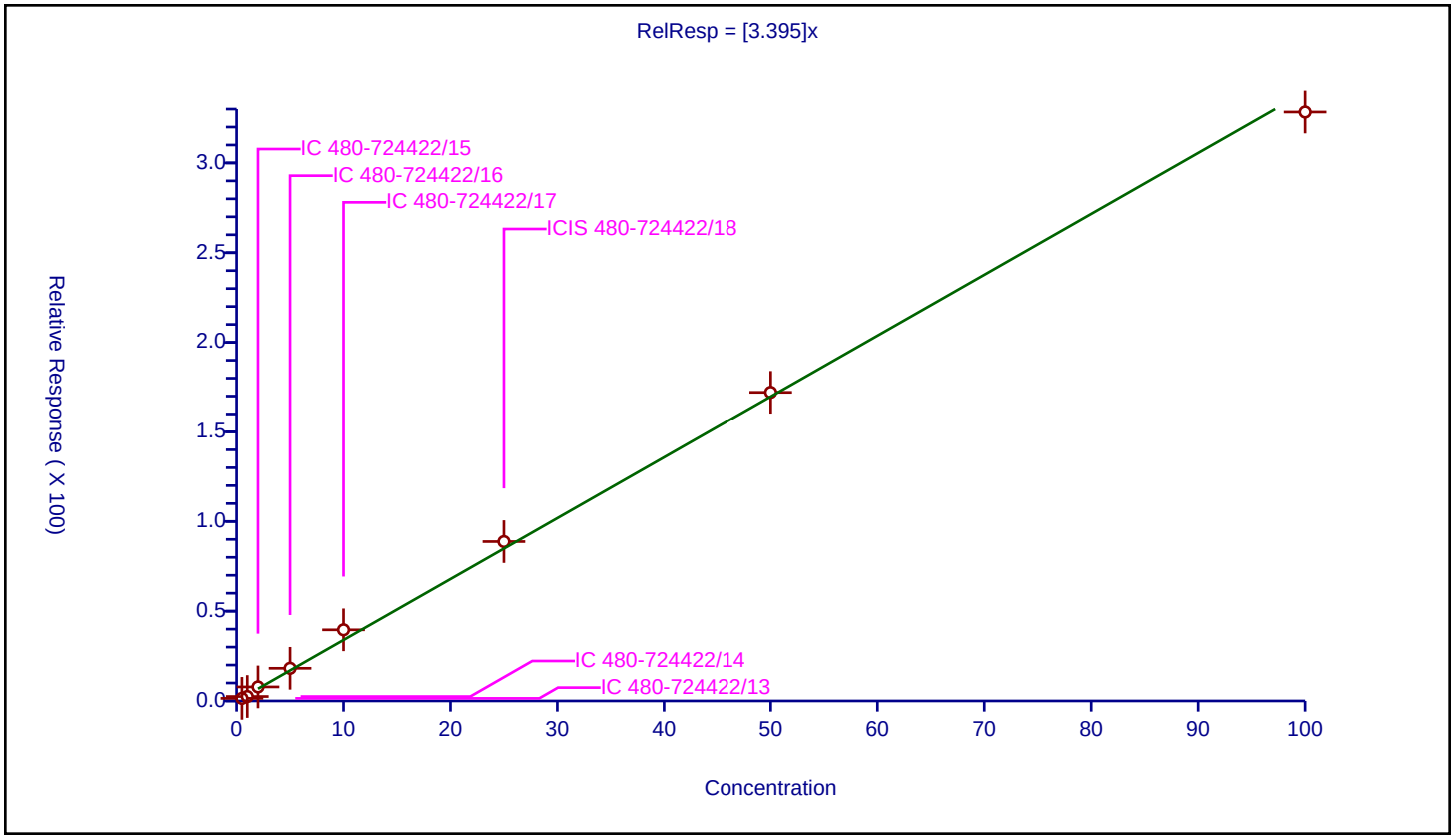
Curve Coefficients

Intercept:	0
Slope:	3.395

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.452117	25.0	170372.0	2.904233	Y
2	IC 480-724422/14	1.0	2.471422	25.0	158866.0	2.471422	Y
3	IC 480-724422/15	2.0	7.819089	25.0	147498.0	3.909545	Y
4	IC 480-724422/16	5.0	18.179991	25.0	171686.0	3.635998	Y
5	IC 480-724422/17	10.0	39.614131	25.0	153964.0	3.961413	Y
6	ICIS 480-724422/18	25.0	88.788539	25.0	176411.0	3.551542	Y
7	IC 480-724422/19	50.0	172.113436	25.0	172255.0	3.442269	Y
8	IC 480-724422/20	100.0	328.374172	25.0	184549.0	3.283742	Y



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Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

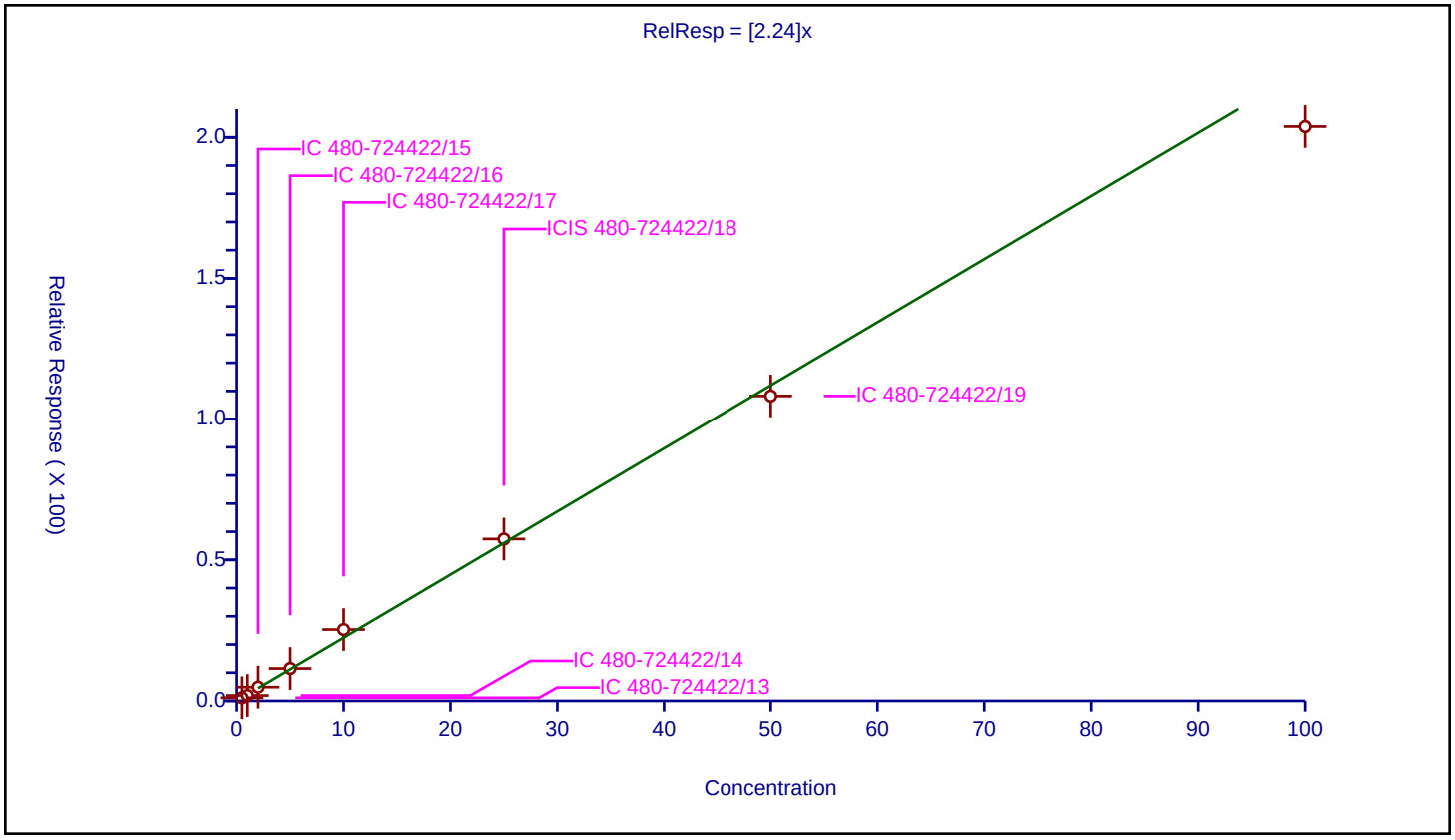
Curve Coefficients

Intercept:	0
Slope:	2.24

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.116968	25.0	170372.0	2.233935	Y
2	IC 480-724422/14	1.0	1.918913	25.0	158866.0	1.918913	Y
3	IC 480-724422/15	2.0	4.880575	25.0	147498.0	2.440287	Y
4	IC 480-724422/16	5.0	11.48492	25.0	171686.0	2.296984	Y
5	IC 480-724422/17	10.0	25.301694	25.0	153964.0	2.530169	Y
6	ICIS 480-724422/18	25.0	57.410819	25.0	176411.0	2.296433	Y
7	IC 480-724422/19	50.0	108.236771	25.0	172255.0	2.164735	Y
8	IC 480-724422/20	100.0	203.832451	25.0	184549.0	2.038325	Y



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Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

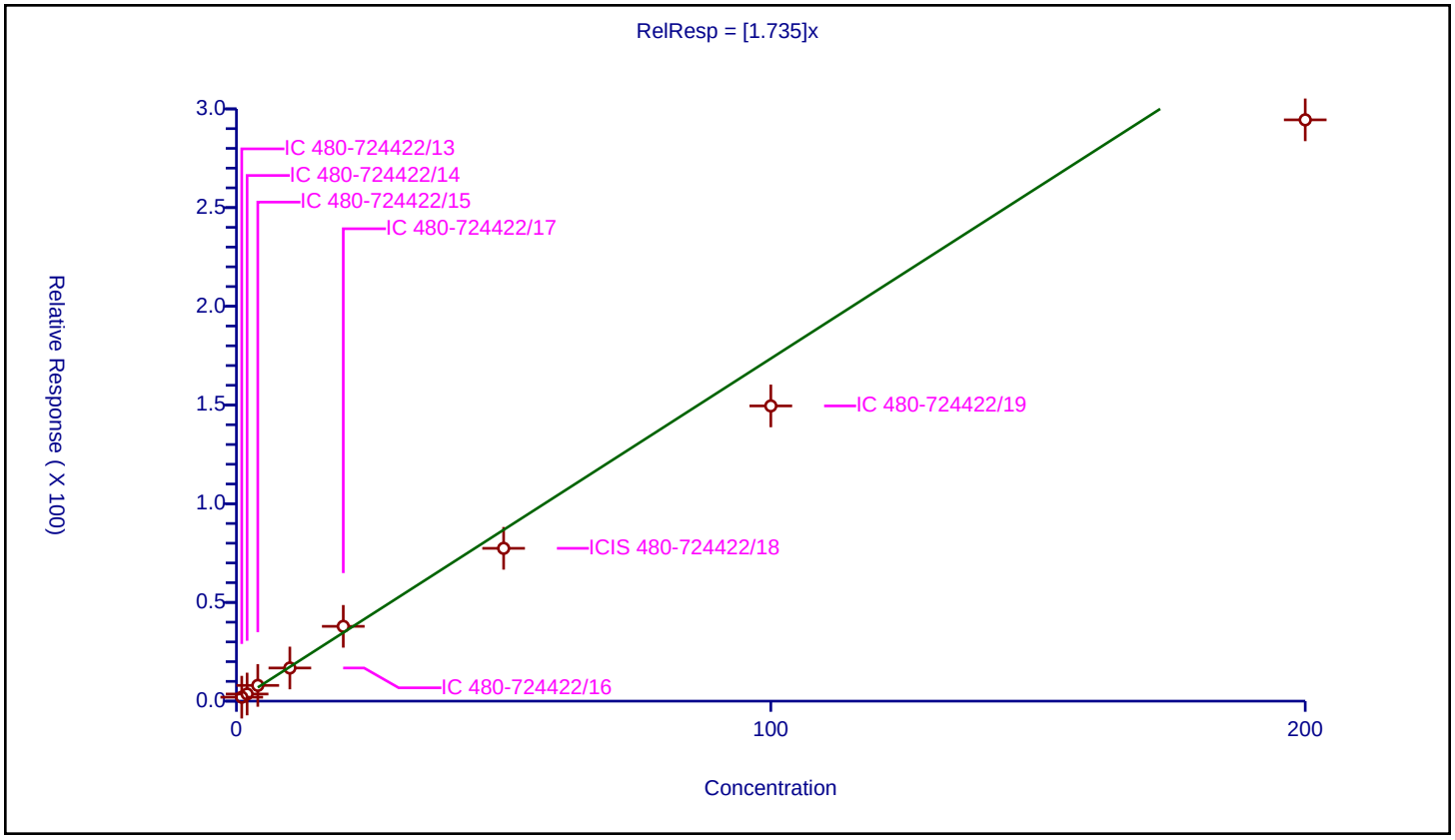
Curve Coefficients

Intercept:	0
Slope:	1.735

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	1.0	1.997541	25.0	170372.0	1.997541	Y
2	IC 480-724422/14	2.0	3.614524	25.0	158866.0	1.807262	Y
3	IC 480-724422/15	4.0	7.960108	25.0	147498.0	1.990027	Y
4	IC 480-724422/16	10.0	16.785003	25.0	171686.0	1.6785	Y
5	IC 480-724422/17	20.0	37.889701	25.0	153964.0	1.894485	Y
6	ICIS 480-724422/18	50.0	77.410564	25.0	176411.0	1.548211	Y
7	IC 480-724422/19	100.0	149.539491	25.0	172255.0	1.495395	Y
8	IC 480-724422/20	200.0	294.451609	25.0	184549.0	1.472258	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

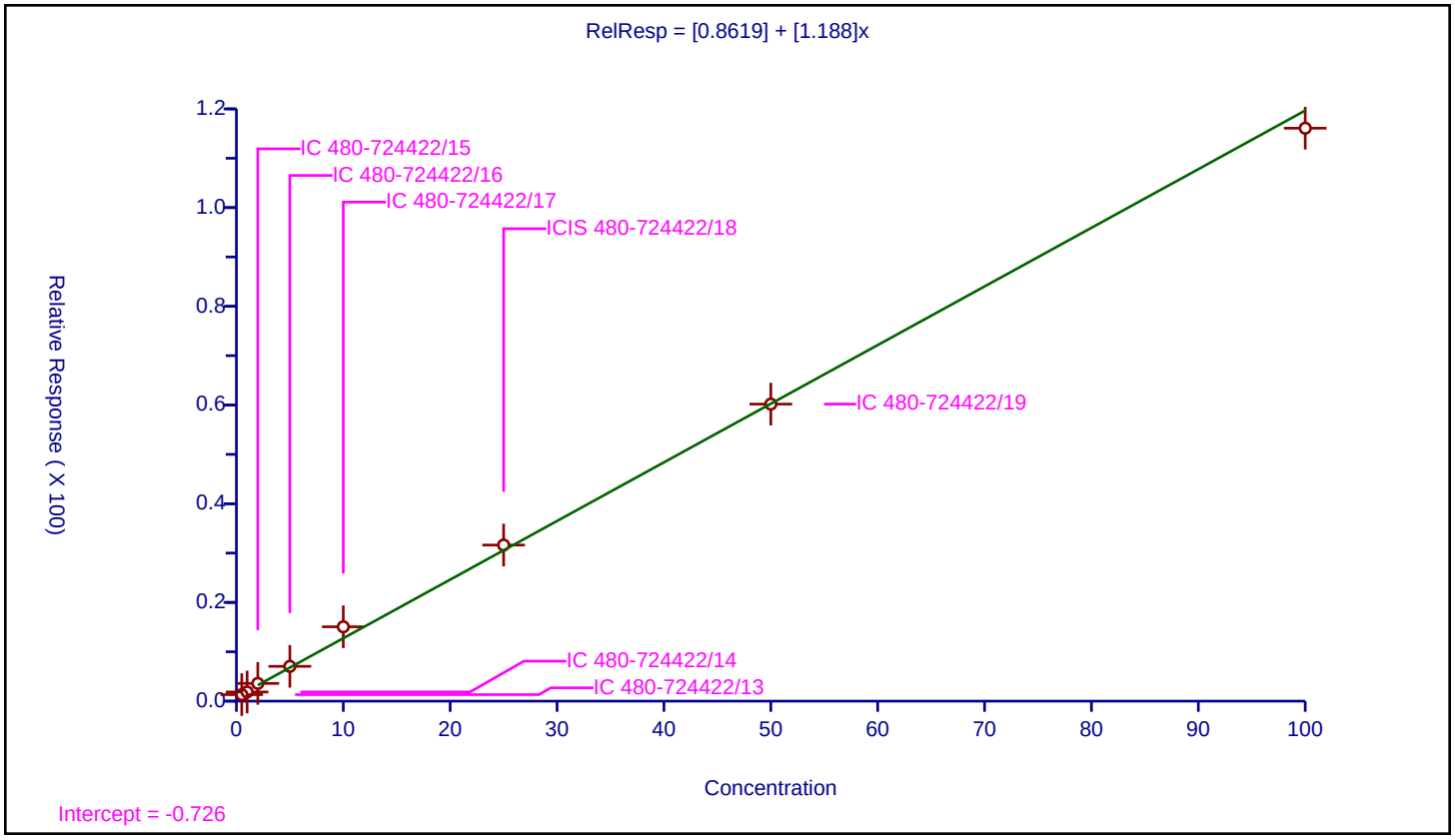
Curve Coefficients

Intercept:	0.8619
Slope:	1.188

Error Coefficients

Relative Standard Deviation:	15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.320786	25.0	170372.0	2.641573	Y
2	IC 480-724422/14	1.0	1.856124	25.0	158866.0	1.856124	Y
3	IC 480-724422/15	2.0	3.592591	25.0	147498.0	1.796296	Y
4	IC 480-724422/16	5.0	7.05008	25.0	171686.0	1.410016	Y
5	IC 480-724422/17	10.0	15.061963	25.0	153964.0	1.506196	Y
6	ICIS 480-724422/18	25.0	31.628271	25.0	176411.0	1.265131	Y
7	IC 480-724422/19	50.0	60.184175	25.0	172255.0	1.203683	Y
8	IC 480-724422/20	100.0	116.085159	25.0	184549.0	1.160852	Y



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Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

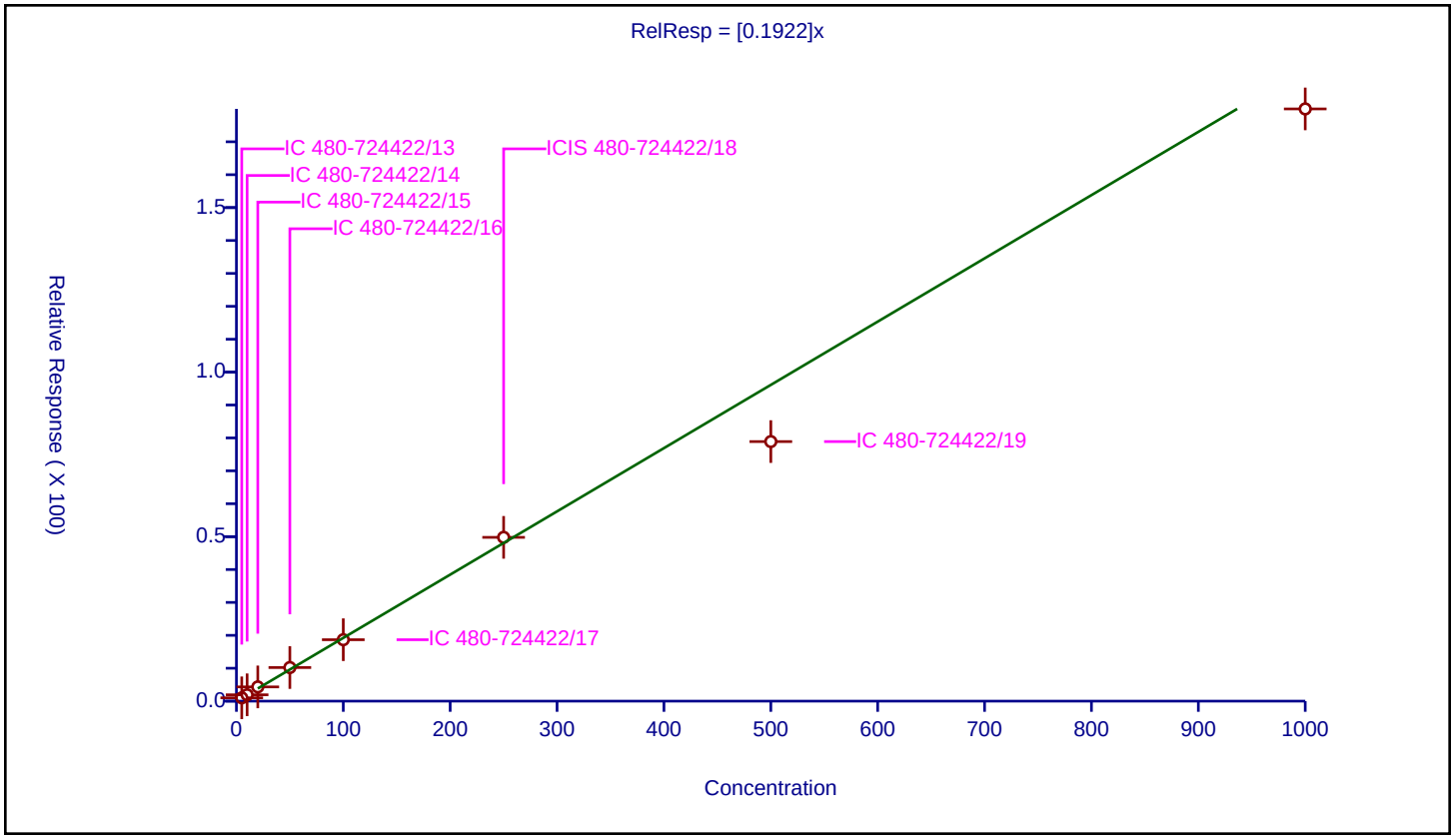
Curve Coefficients

Intercept:	0
Slope:	0.1922

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	5.0	1.005447	25.0	170372.0	0.201089	Y
2	IC 480-724422/14	10.0	1.926938	25.0	158866.0	0.192694	Y
3	IC 480-724422/15	20.0	4.325143	25.0	147498.0	0.216257	Y
4	IC 480-724422/16	50.0	10.212685	25.0	171686.0	0.204254	Y
5	IC 480-724422/17	100.0	18.668975	25.0	153964.0	0.18669	Y
6	ICIS 480-724422/18	250.0	49.780484	25.0	176411.0	0.199122	Y
7	IC 480-724422/19	500.0	78.889147	25.0	172255.0	0.157778	Y
8	IC 480-724422/20	1000.0	179.995015	25.0	184549.0	0.179995	Y



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Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

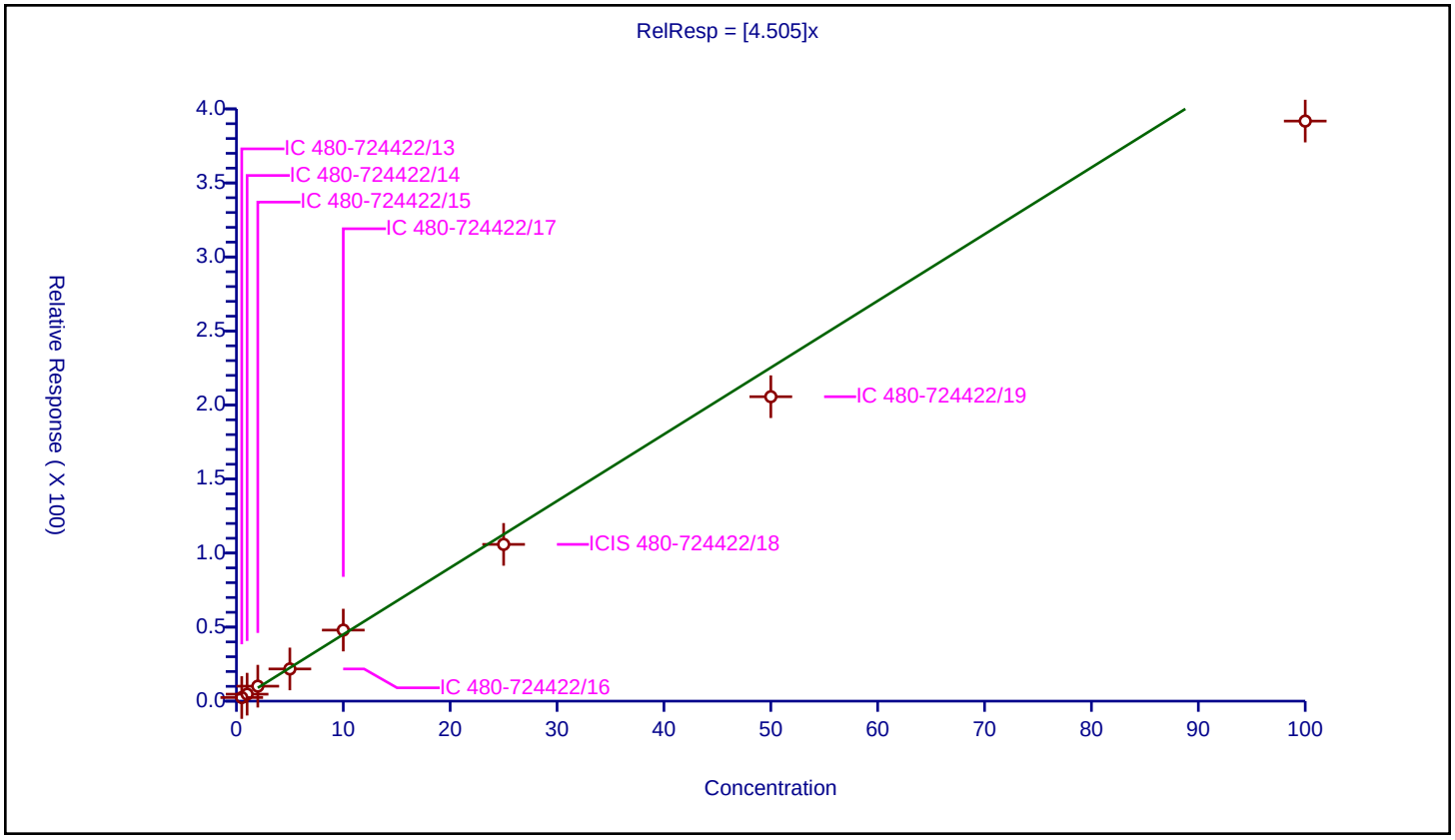
Curve Coefficients

Intercept:	0
Slope:	4.505

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	2.432765	25.0	170372.0	4.86553	Y
2	IC 480-724422/14	1.0	4.71199	25.0	158866.0	4.71199	Y
3	IC 480-724422/15	2.0	10.108273	25.0	147498.0	5.054136	Y
4	IC 480-724422/16	5.0	21.734009	25.0	171686.0	4.346802	Y
5	IC 480-724422/17	10.0	47.984919	25.0	153964.0	4.798492	Y
6	ICIS 480-724422/18	25.0	105.87435	25.0	176411.0	4.234974	Y
7	IC 480-724422/19	50.0	205.611448	25.0	172255.0	4.112229	Y
8	IC 480-724422/20	100.0	391.781045	25.0	184549.0	3.91781	Y



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Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

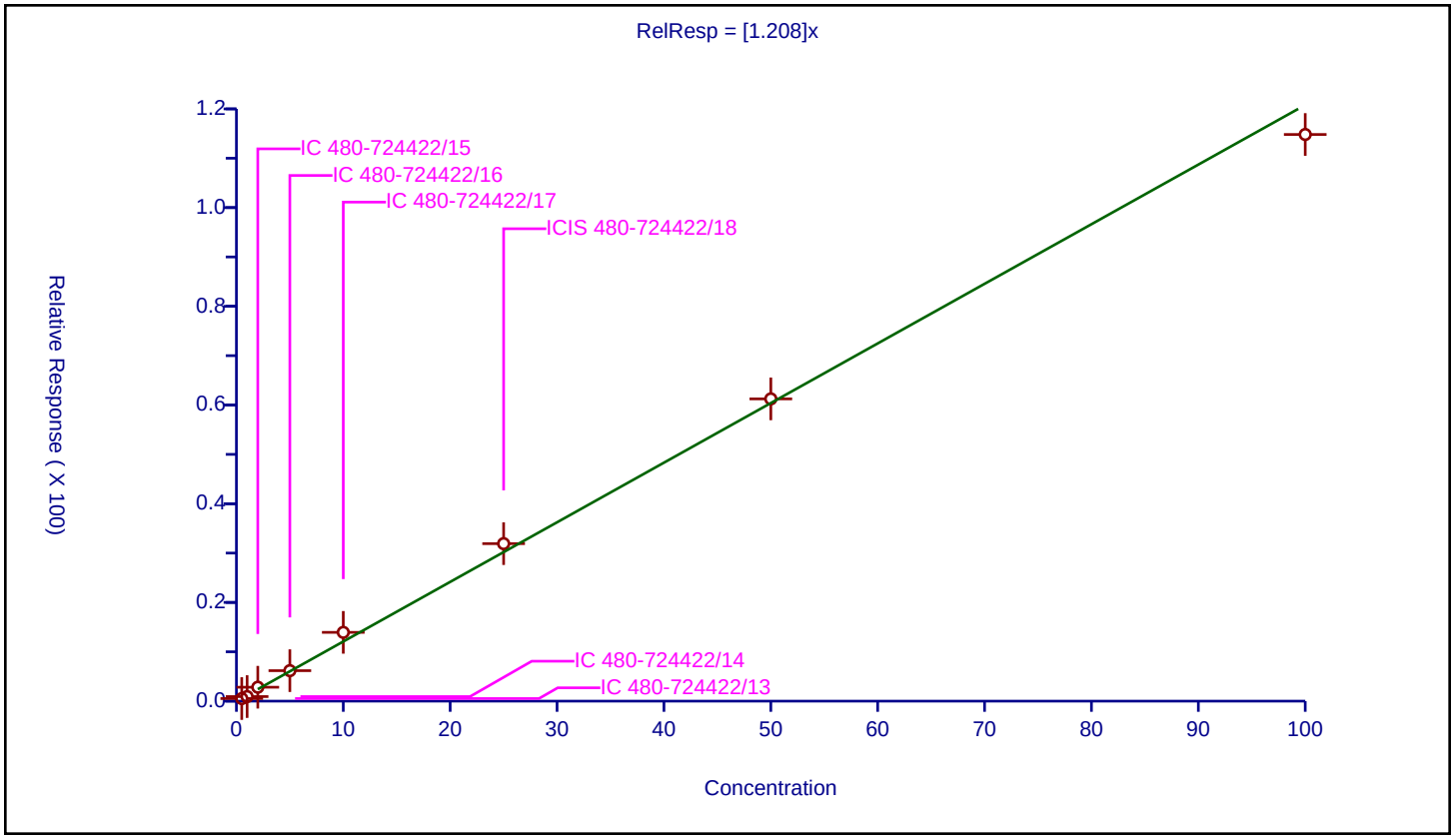
Curve Coefficients

Intercept:	0
Slope:	1.208

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.524441	25.0	170372.0	1.048881	Y
2	IC 480-724422/14	1.0	0.925308	25.0	158866.0	0.925308	Y
3	IC 480-724422/15	2.0	2.821055	25.0	147498.0	1.410528	Y
4	IC 480-724422/16	5.0	6.176246	25.0	171686.0	1.235249	Y
5	IC 480-724422/17	10.0	13.938973	25.0	153964.0	1.393897	Y
6	ICIS 480-724422/18	25.0	31.911417	25.0	176411.0	1.276457	Y
7	IC 480-724422/19	50.0	61.243941	25.0	172255.0	1.224879	Y
8	IC 480-724422/20	100.0	114.812326	25.0	184549.0	1.148123	Y



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Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

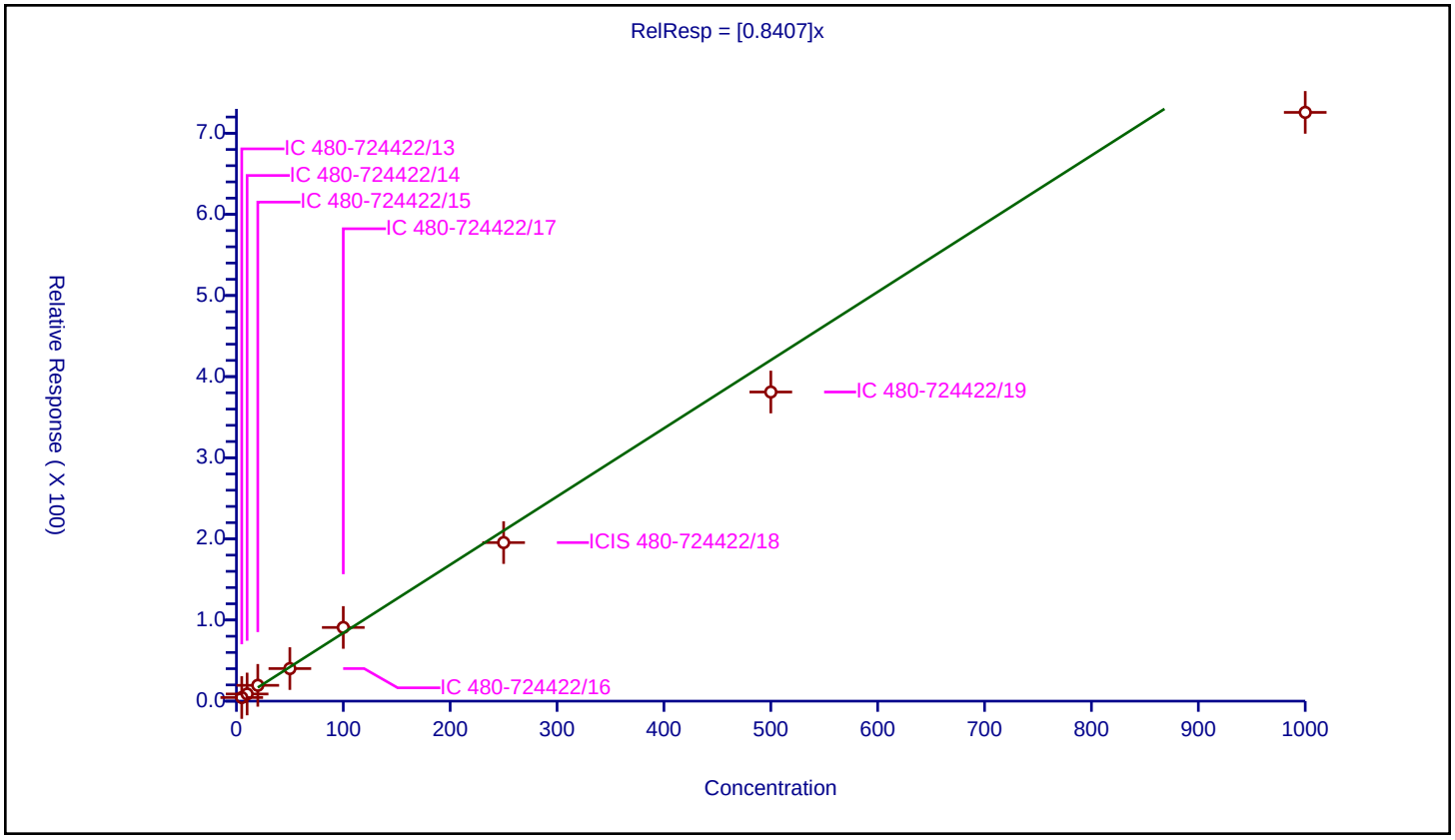
Curve Coefficients

Intercept:	0
Slope:	0.8407

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	5.0	4.451289	25.0	170372.0	0.890258	Y
2	IC 480-724422/14	10.0	8.812616	25.0	158866.0	0.881262	Y
3	IC 480-724422/15	20.0	19.479925	25.0	147498.0	0.973996	Y
4	IC 480-724422/16	50.0	40.119754	25.0	171686.0	0.802395	Y
5	IC 480-724422/17	100.0	90.811651	25.0	153964.0	0.908117	Y
6	ICIS 480-724422/18	250.0	195.433816	25.0	176411.0	0.781735	Y
7	IC 480-724422/19	500.0	381.014339	25.0	172255.0	0.762029	Y
8	IC 480-724422/20	1000.0	725.708484	25.0	184549.0	0.725708	Y



Calibration / Hexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

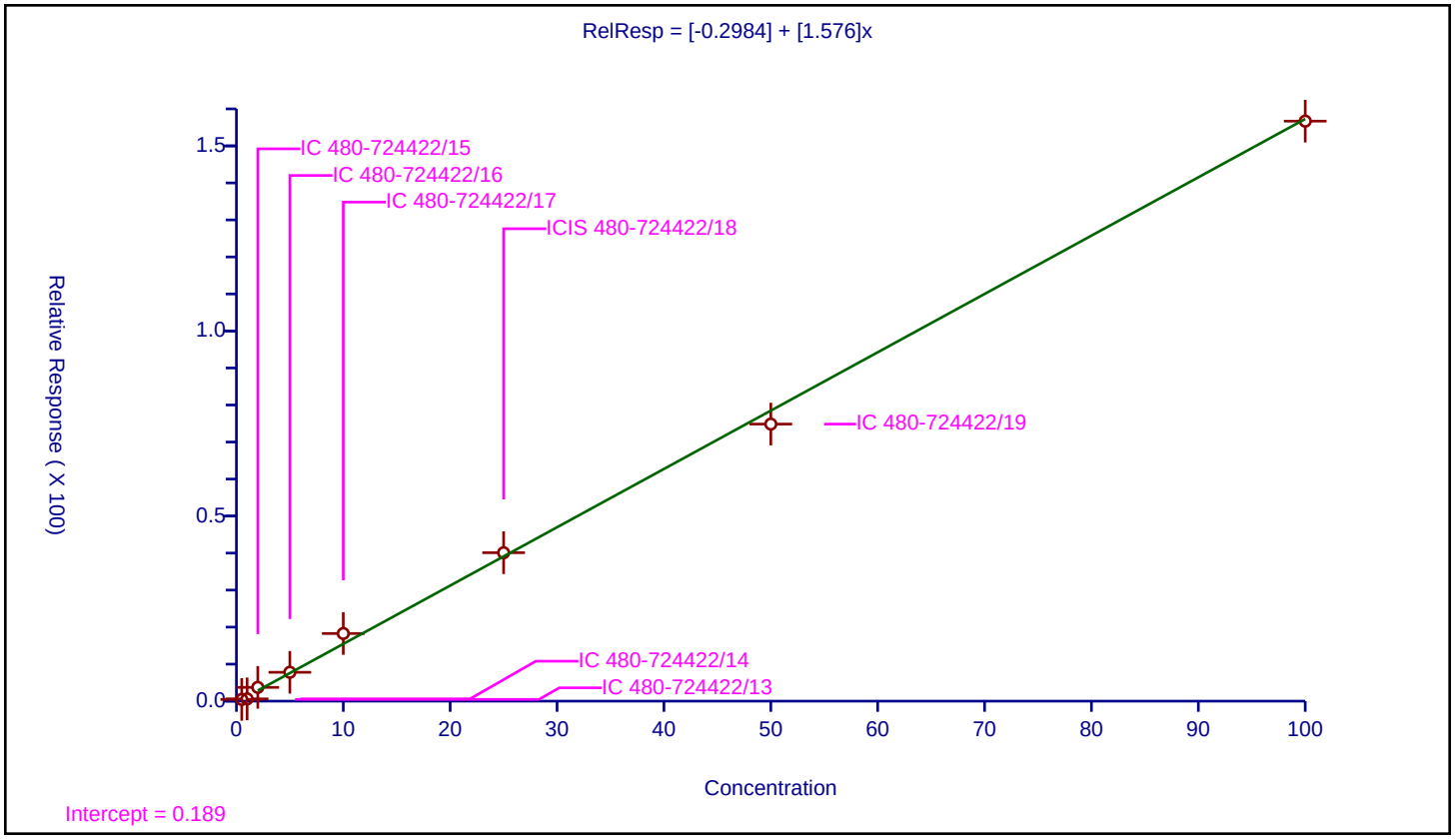
Curve Coefficients

Intercept:	-0.2984
Slope:	1.576

Error Coefficients

Relative Standard Deviation:	22.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.462077	25.0	170372.0	0.924154	Y
2	IC 480-724422/14	1.0	0.613095	25.0	158866.0	0.613095	Y
3	IC 480-724422/15	2.0	3.717508	25.0	147498.0	1.858754	Y
4	IC 480-724422/16	5.0	7.796355	25.0	171686.0	1.559271	Y
5	IC 480-724422/17	10.0	18.270992	25.0	153964.0	1.827099	Y
6	ICIS 480-724422/18	25.0	40.102091	25.0	176411.0	1.604084	Y
7	IC 480-724422/19	50.0	74.852689	25.0	172255.0	1.497054	Y
8	IC 480-724422/20	100.0	156.690906	25.0	184549.0	1.566909	Y



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Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

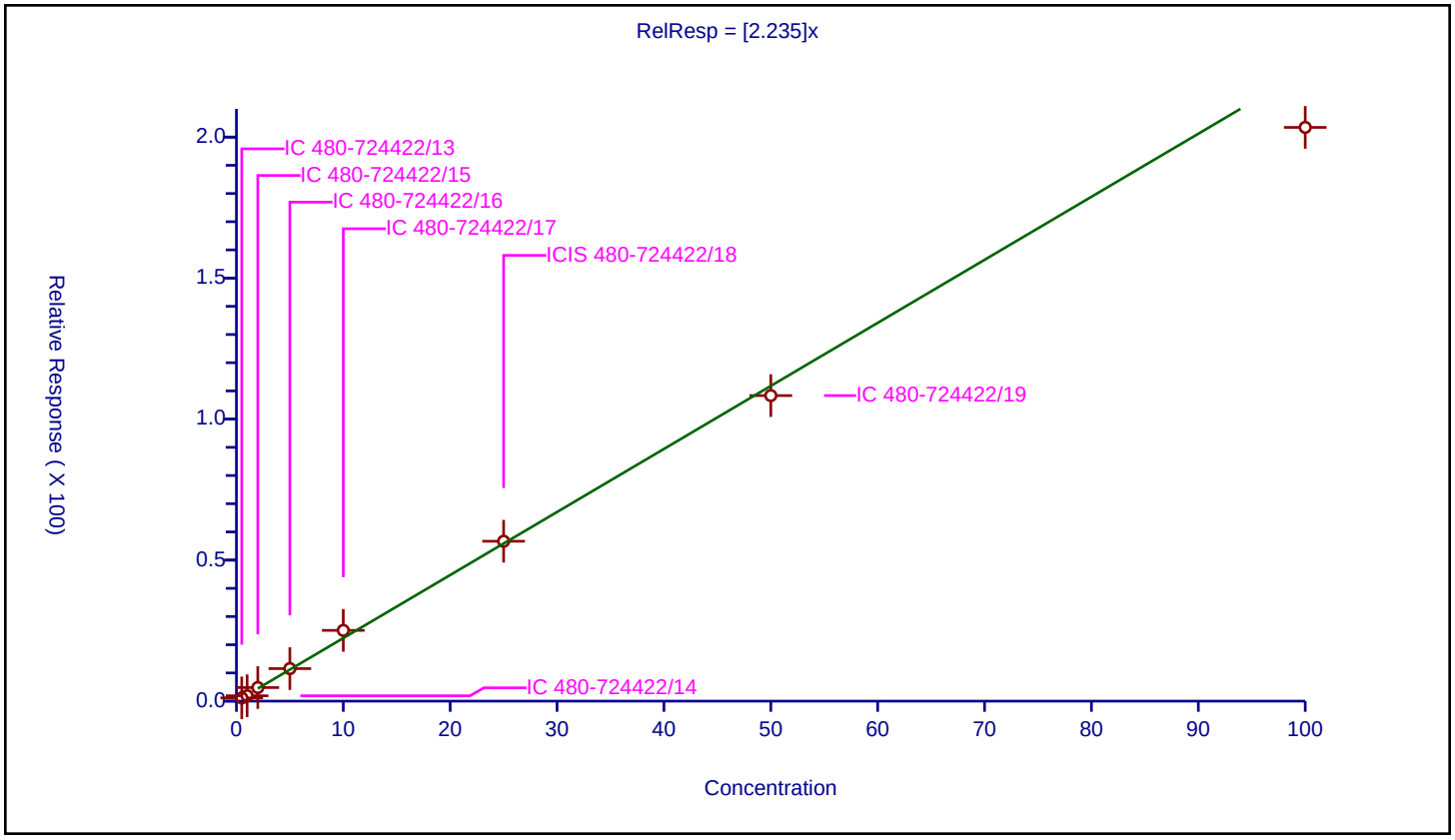
Curve Coefficients

Intercept:	0
Slope:	2.235

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.146315	25.0	170372.0	2.29263	Y
2	IC 480-724422/14	1.0	1.89877	25.0	158866.0	1.89877	Y
3	IC 480-724422/15	2.0	4.814811	25.0	147498.0	2.407406	Y
4	IC 480-724422/16	5.0	11.535012	25.0	171686.0	2.307002	Y
5	IC 480-724422/17	10.0	25.089144	25.0	153964.0	2.508914	Y
6	ICIS 480-724422/18	25.0	56.694736	25.0	176411.0	2.267789	Y
7	IC 480-724422/19	50.0	108.346782	25.0	172255.0	2.166936	Y
8	IC 480-724422/20	100.0	203.436621	25.0	184549.0	2.034366	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

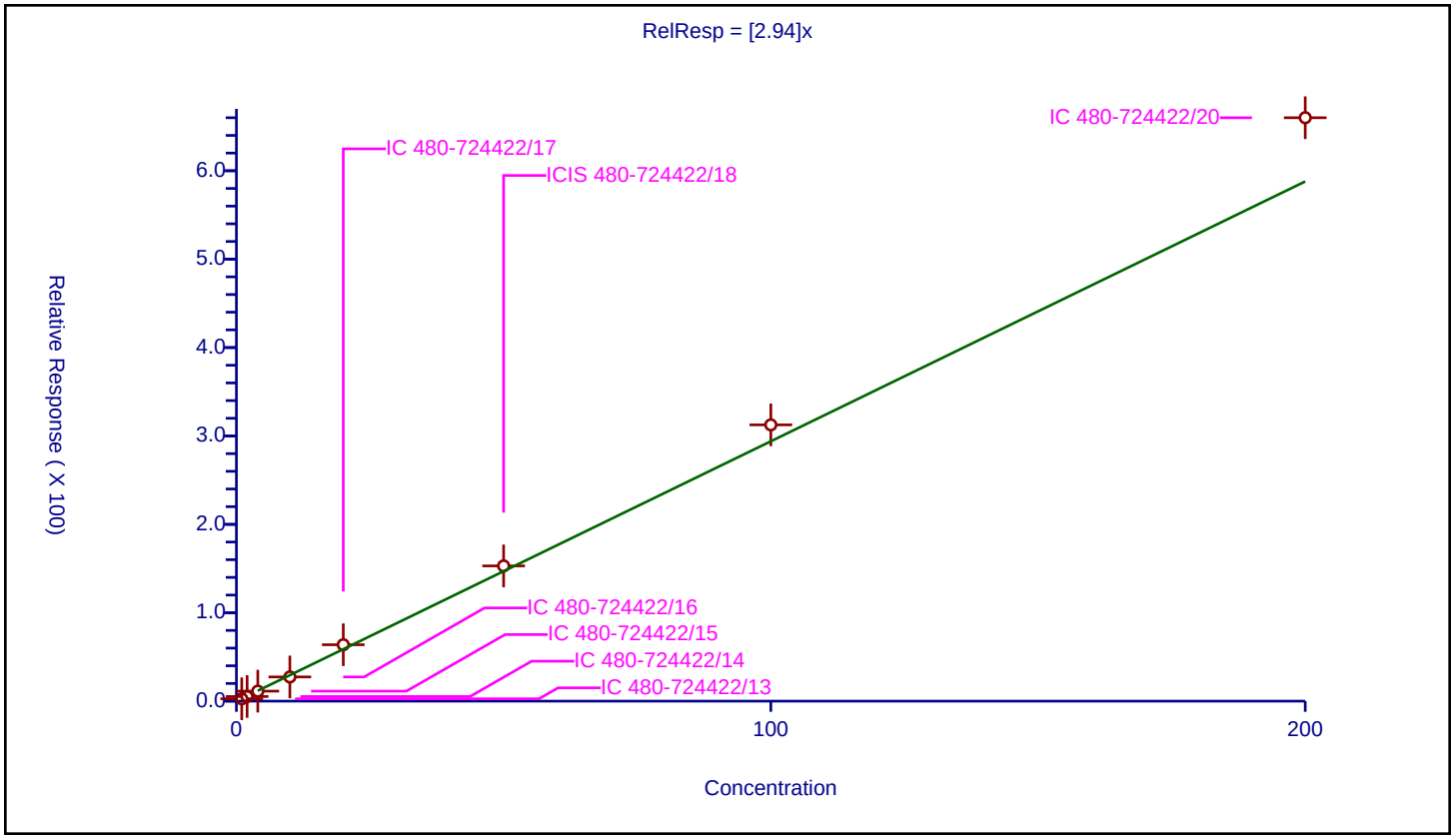
Curve Coefficients

Intercept:	0
Slope:	2.94

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	1.0	2.657273	25.0	170372.0	2.657273	Y
2	IC 480-724422/14	2.0	5.233341	25.0	158866.0	2.616671	Y
3	IC 480-724422/15	4.0	11.319815	25.0	147498.0	2.829954	Y
4	IC 480-724422/16	10.0	27.371189	25.0	171686.0	2.737119	Y
5	IC 480-724422/17	20.0	63.789912	25.0	153964.0	3.189496	Y
6	ICIS 480-724422/18	50.0	152.993294	25.0	176411.0	3.059866	Y
7	IC 480-724422/19	100.0	312.559868	25.0	172255.0	3.125599	Y
8	IC 480-724422/20	200.0	660.005744	25.0	184549.0	3.300029	Y



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Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

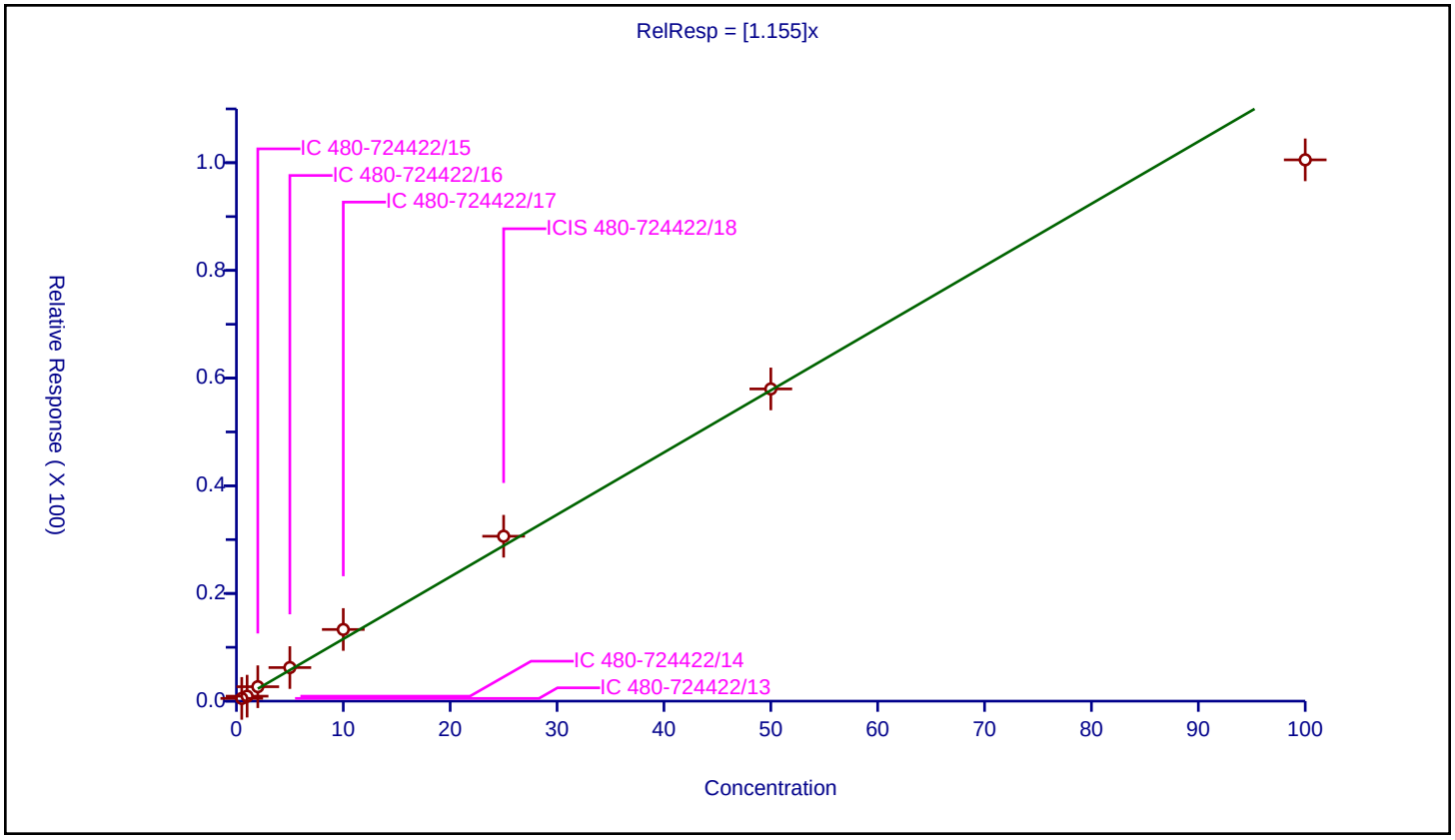
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.504925	25.0	170372.0	1.009849	Y
2	IC 480-724422/14	1.0	0.920115	25.0	158866.0	0.920115	Y
3	IC 480-724422/15	2.0	2.677833	25.0	147498.0	1.338916	Y
4	IC 480-724422/16	5.0	6.23755	25.0	171686.0	1.24751	Y
5	IC 480-724422/17	10.0	13.307656	25.0	153964.0	1.330766	Y
6	ICIS 480-724422/18	25.0	30.627484	25.0	176411.0	1.225099	Y
7	IC 480-724422/19	50.0	57.990044	25.0	172255.0	1.159801	Y
8	IC 480-724422/20	100.0	100.53712	25.0	184549.0	1.005371	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

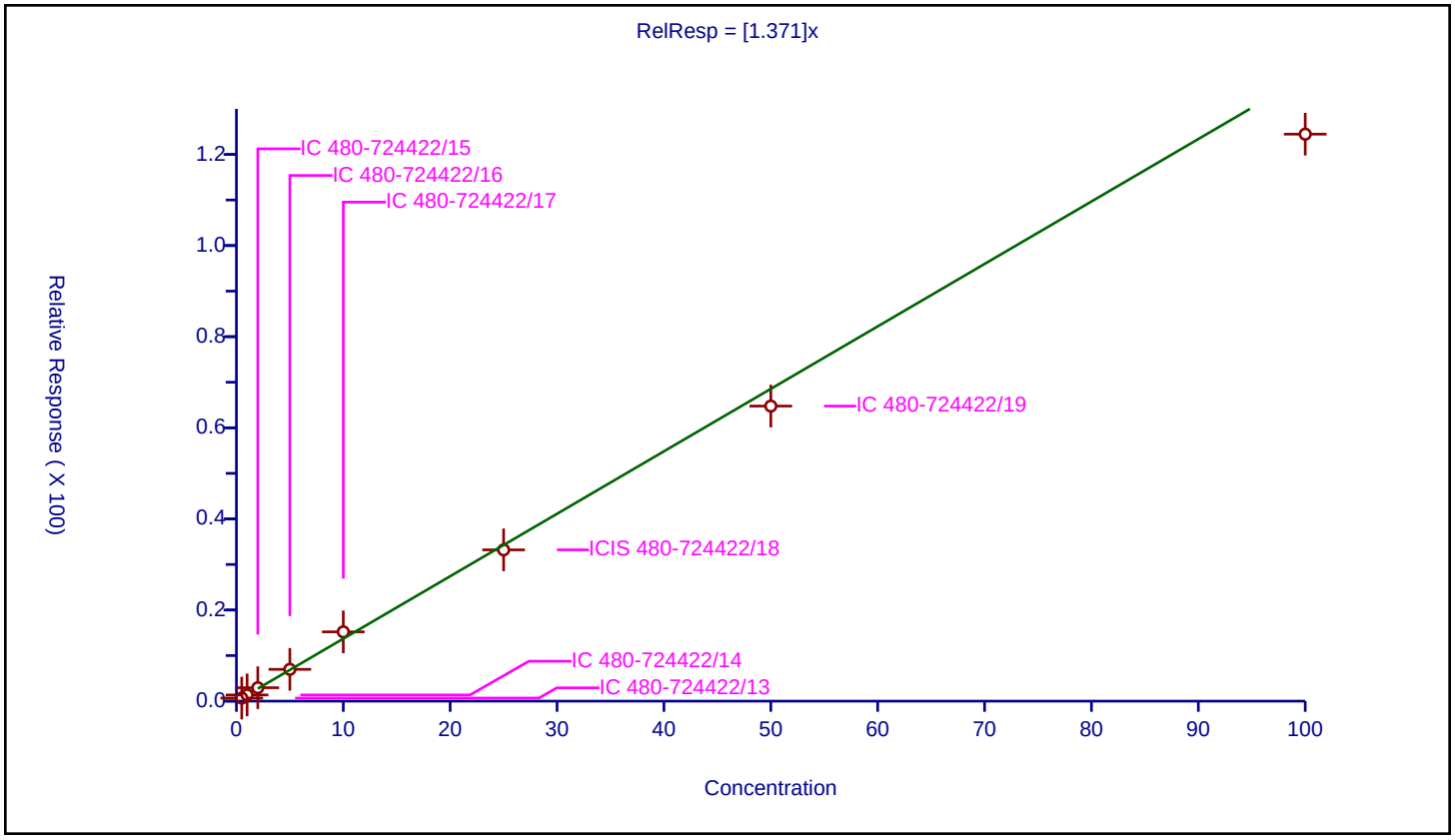
Curve Coefficients

Intercept:	0
Slope:	1.371

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.677195	25.0	170372.0	1.354389	Y
2	IC 480-724422/14	1.0	1.357276	25.0	158866.0	1.357276	Y
3	IC 480-724422/15	2.0	2.941735	25.0	147498.0	1.470867	Y
4	IC 480-724422/16	5.0	6.980185	25.0	171686.0	1.396037	Y
5	IC 480-724422/17	10.0	15.209562	25.0	153964.0	1.520956	Y
6	ICIS 480-724422/18	25.0	33.202436	25.0	176411.0	1.328097	Y
7	IC 480-724422/19	50.0	64.769673	25.0	172255.0	1.295393	Y
8	IC 480-724422/20	100.0	124.451501	25.0	184549.0	1.244515	Y



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Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

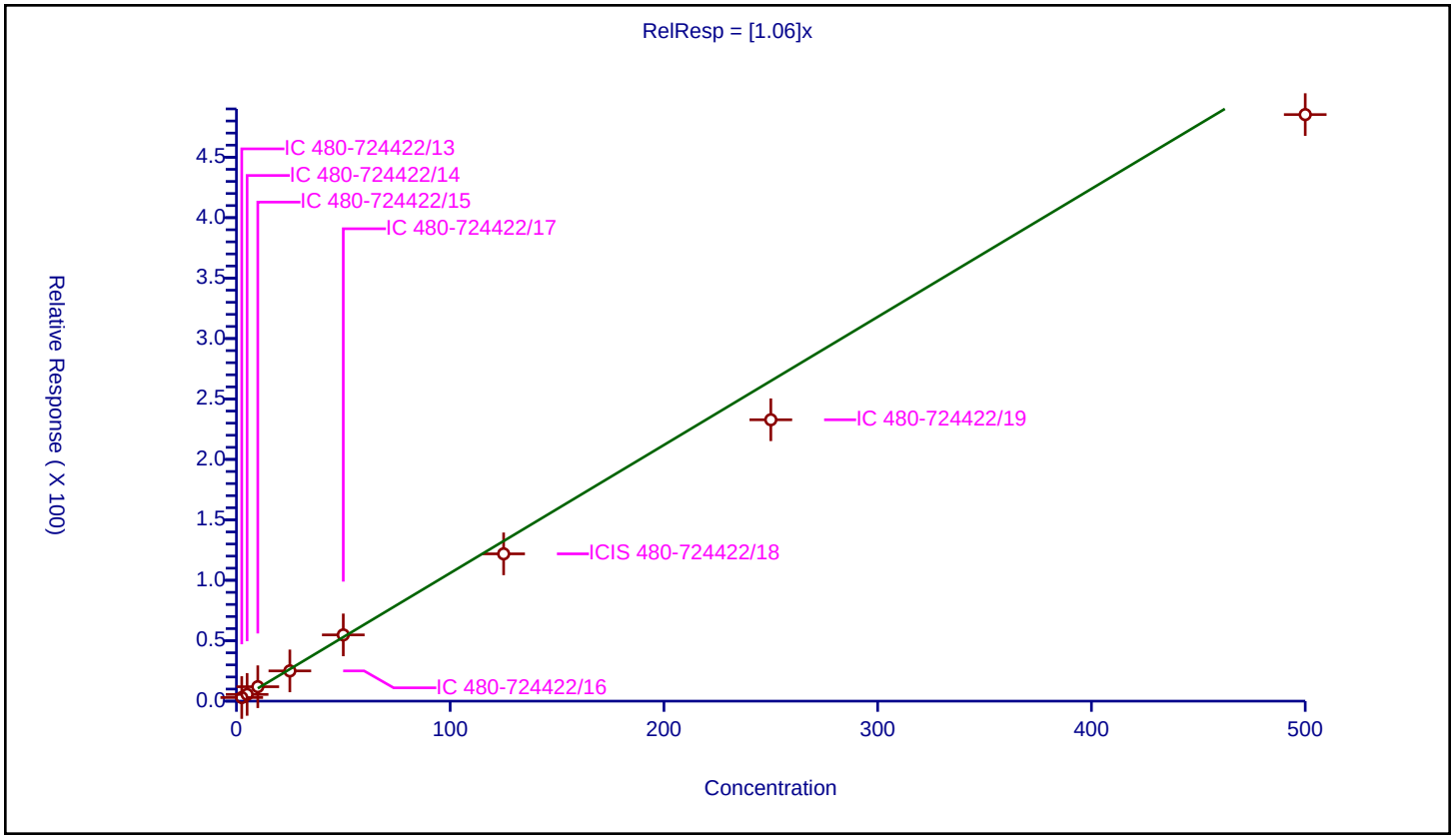
Curve Coefficients

Intercept:	0
Slope:	1.06

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	2.5	2.995797	25.0	170372.0	1.198319	Y
2	IC 480-724422/14	5.0	5.558615	25.0	158866.0	1.111723	Y
3	IC 480-724422/15	10.0	11.938128	25.0	147498.0	1.193813	Y
4	IC 480-724422/16	25.0	25.014998	25.0	171686.0	1.0006	Y
5	IC 480-724422/17	50.0	54.812813	25.0	153964.0	1.096256	Y
6	ICIS 480-724422/18	125.0	121.866834	25.0	176411.0	0.974935	Y
7	IC 480-724422/19	250.0	232.806014	25.0	172255.0	0.931224	Y
8	IC 480-724422/20	500.0	485.283719	25.0	184549.0	0.970567	Y



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Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

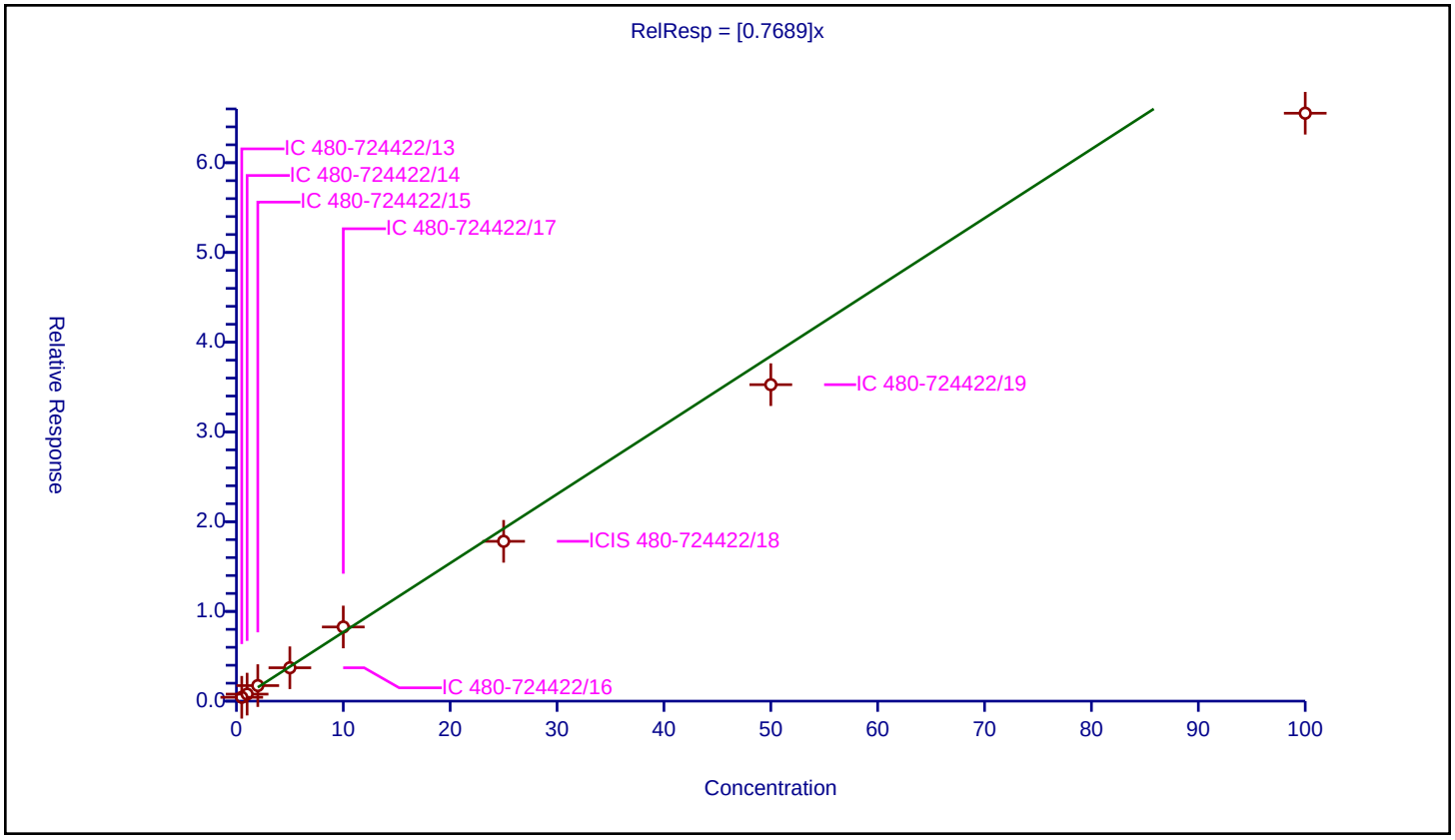
Curve Coefficients

Intercept:	0
Slope:	0.7689

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.429648	25.0	170372.0	0.859296	Y
2	IC 480-724422/14	1.0	0.78305	25.0	158866.0	0.78305	Y
3	IC 480-724422/15	2.0	1.730871	25.0	147498.0	0.865435	Y
4	IC 480-724422/16	5.0	3.721183	25.0	171686.0	0.744237	Y
5	IC 480-724422/17	10.0	8.265406	25.0	153964.0	0.826541	Y
6	ICIS 480-724422/18	25.0	17.811248	25.0	176411.0	0.71245	Y
7	IC 480-724422/19	50.0	35.268933	25.0	172255.0	0.705379	Y
8	IC 480-724422/20	100.0	65.519049	25.0	184549.0	0.65519	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

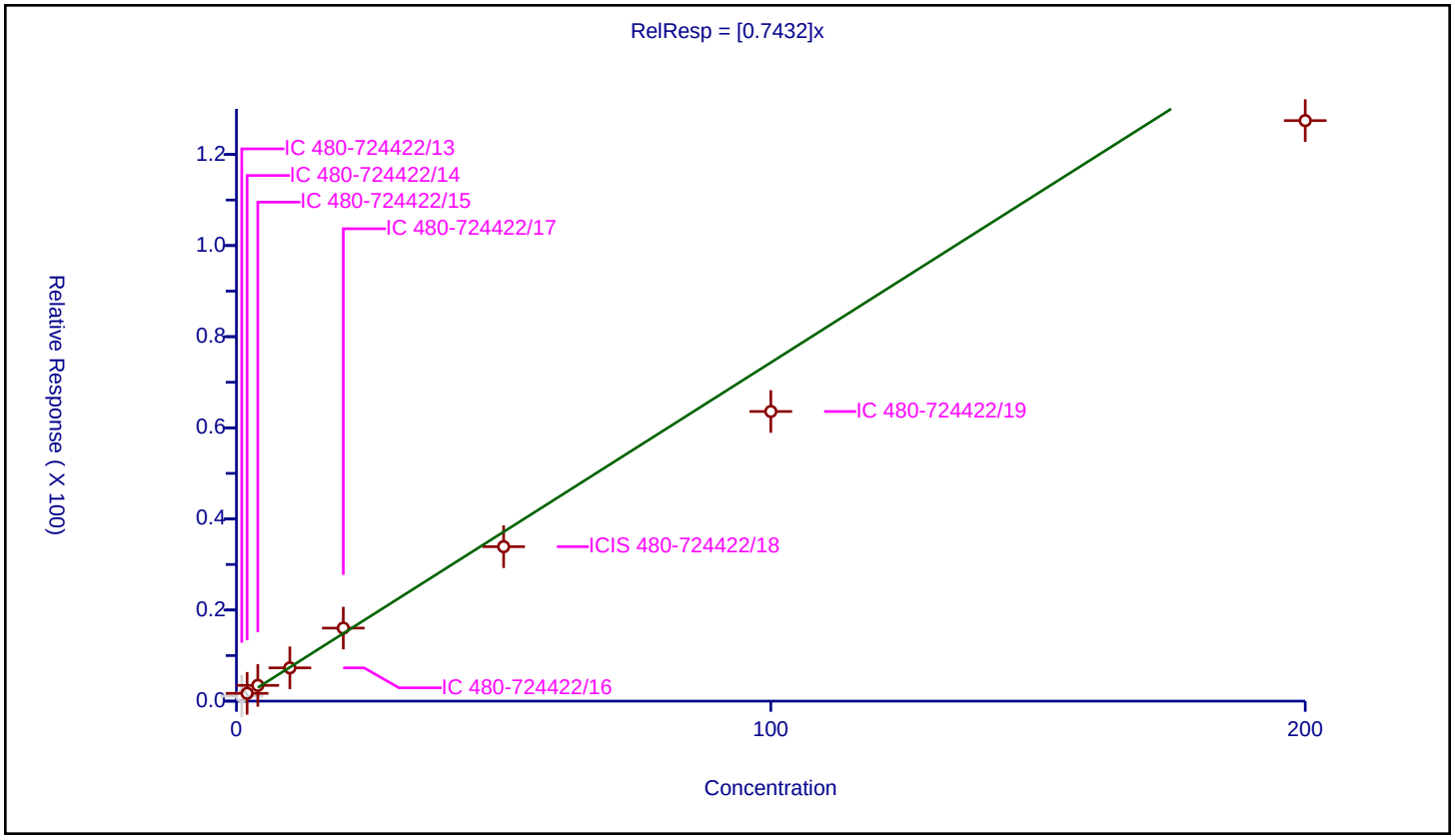
Curve Coefficients

Intercept:	0
Slope:	0.7432

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	1.0	1.116674	25.0	170372.0	1.116674	N
2	IC 480-724422/14	2.0	1.709145	25.0	158866.0	0.854572	Y
3	IC 480-724422/15	4.0	3.459708	25.0	147498.0	0.864927	Y
4	IC 480-724422/16	10.0	7.303304	25.0	171686.0	0.73033	Y
5	IC 480-724422/17	20.0	16.031507	25.0	153964.0	0.801575	Y
6	ICIS 480-724422/18	50.0	33.906474	25.0	176411.0	0.678129	Y
7	IC 480-724422/19	100.0	63.580883	25.0	172255.0	0.635809	Y
8	IC 480-724422/20	200.0	127.425779	25.0	184549.0	0.637129	Y



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Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

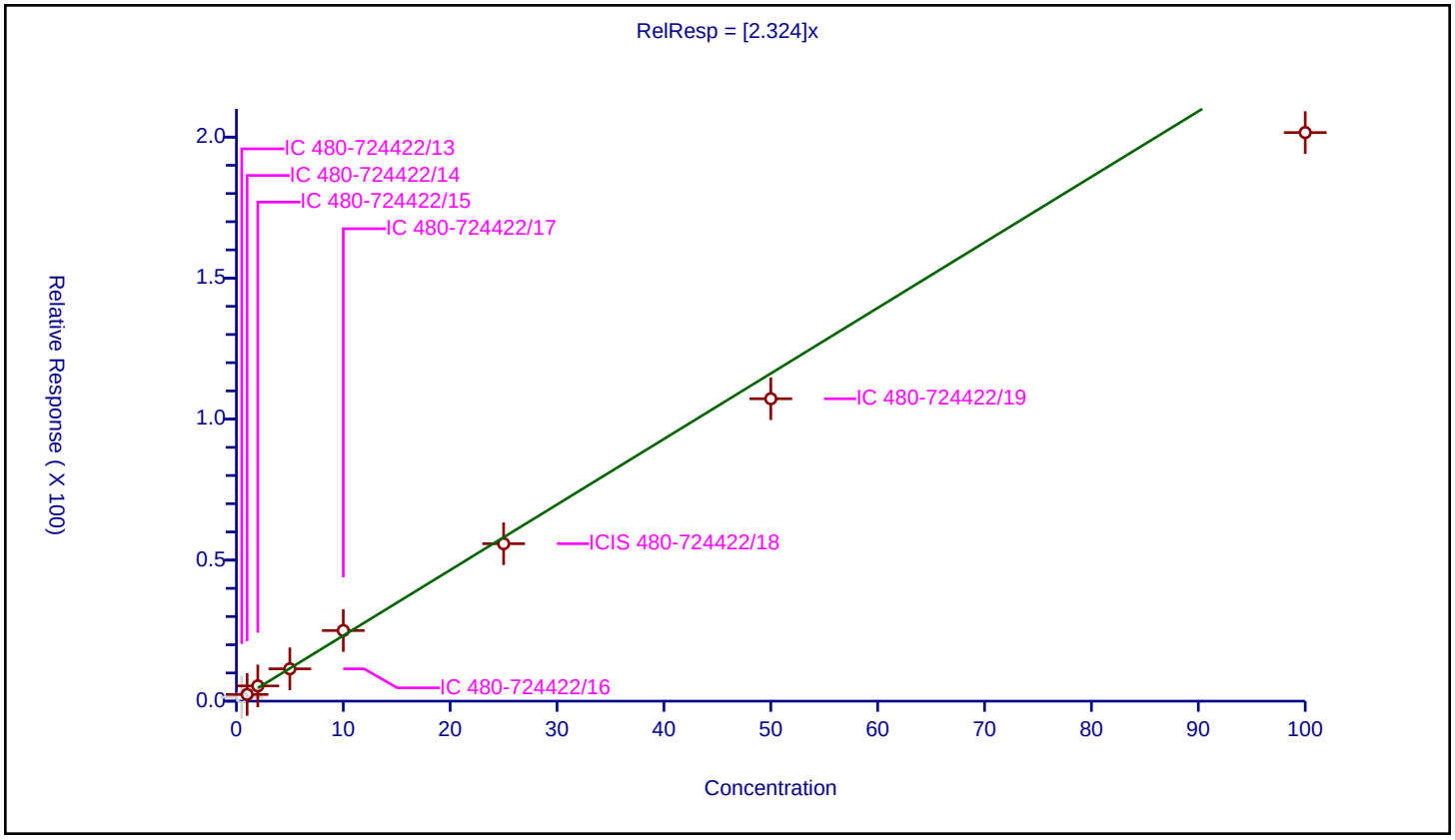
Curve Coefficients

Intercept:	0
Slope:	2.324

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.412351	25.0	170372.0	2.824701	N
2	IC 480-724422/14	1.0	2.379521	25.0	158866.0	2.379521	Y
3	IC 480-724422/15	2.0	5.396175	25.0	147498.0	2.698087	Y
4	IC 480-724422/16	5.0	11.457836	25.0	171686.0	2.291567	Y
5	IC 480-724422/17	10.0	25.04303	25.0	153964.0	2.504303	Y
6	ICIS 480-724422/18	25.0	55.820215	25.0	176411.0	2.232809	Y
7	IC 480-724422/19	50.0	107.219529	25.0	172255.0	2.144391	Y
8	IC 480-724422/20	100.0	201.602149	25.0	184549.0	2.016021	Y



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Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

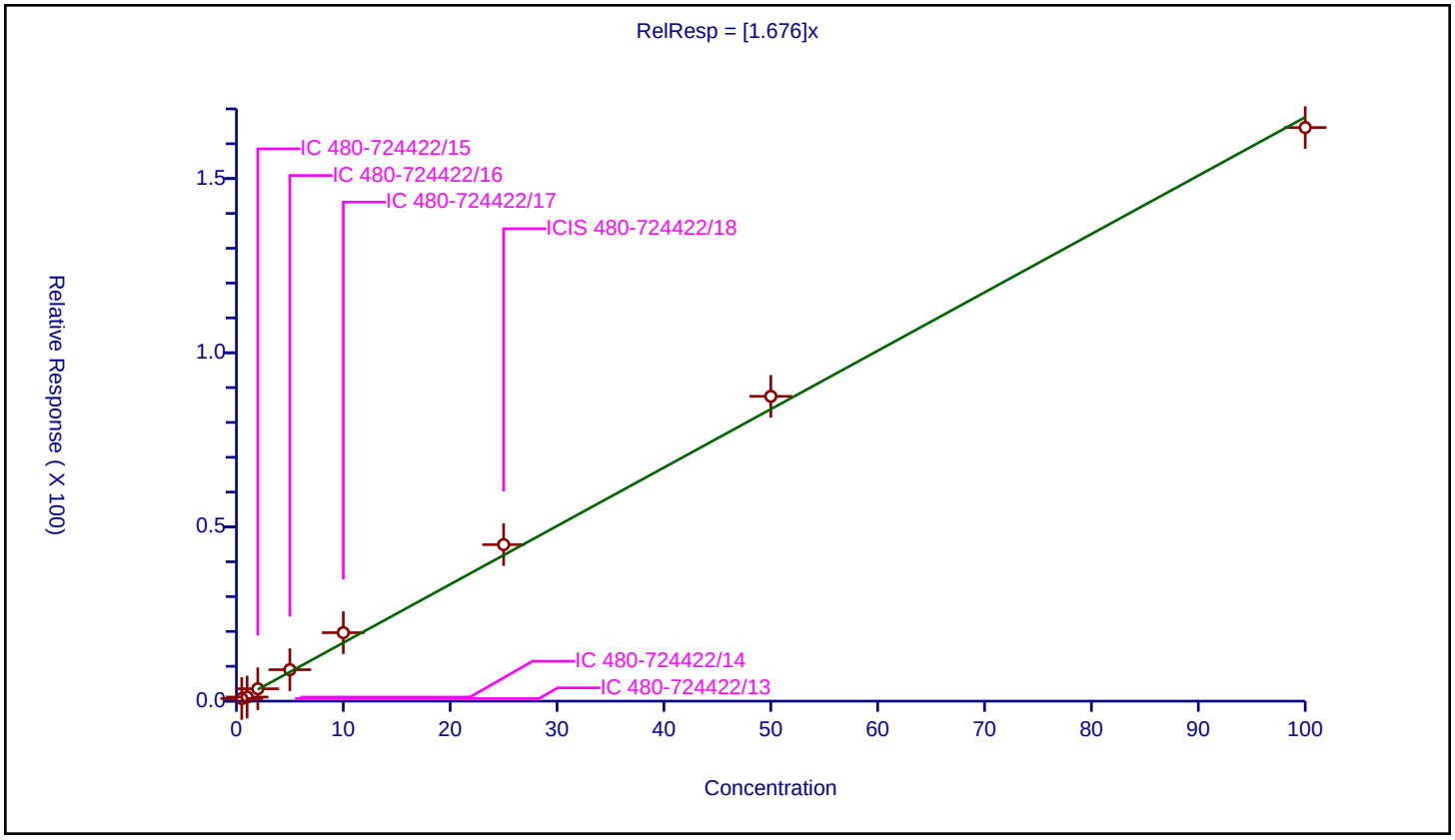
Curve Coefficients

Intercept:	0
Slope:	1.676

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.746748	25.0	170372.0	1.493497	Y
2	IC 480-724422/14	1.0	1.176306	25.0	158866.0	1.176306	Y
3	IC 480-724422/15	2.0	3.54937	25.0	147498.0	1.774685	Y
4	IC 480-724422/16	5.0	9.028109	25.0	171686.0	1.805622	Y
5	IC 480-724422/17	10.0	19.654757	25.0	153964.0	1.965476	Y
6	ICIS 480-724422/18	25.0	44.922794	25.0	176411.0	1.796912	Y
7	IC 480-724422/19	50.0	87.495573	25.0	172255.0	1.749911	Y
8	IC 480-724422/20	100.0	164.63744	25.0	184549.0	1.646374	Y



Calibration / Cyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

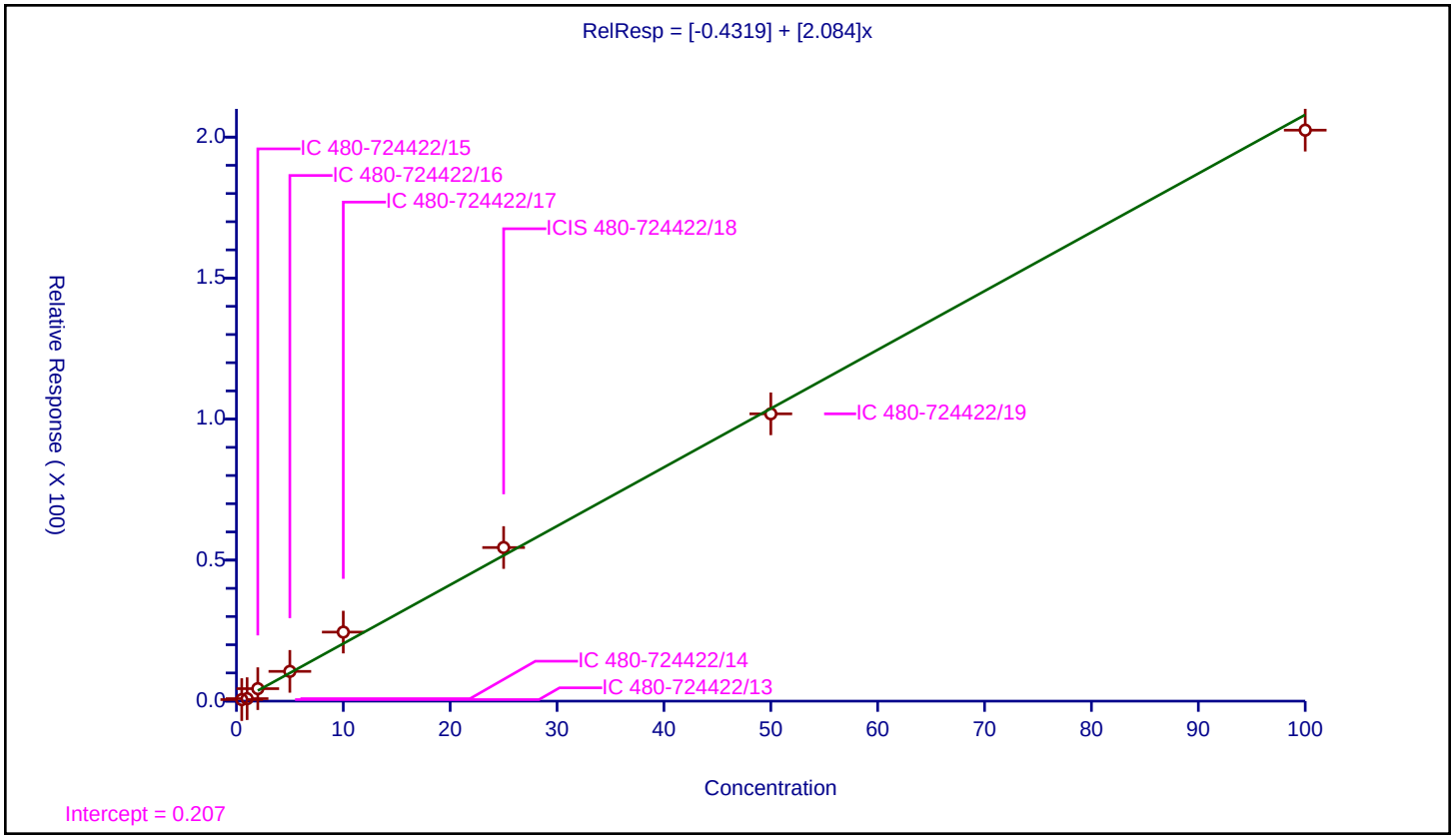
Curve Coefficients

Intercept:	-0.4319
Slope:	2.084

Error Coefficients

Relative Standard Deviation:	18.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.549826	25.0	170372.0	1.099653	Y
2	IC 480-724422/14	1.0	0.883764	25.0	158866.0	0.883764	Y
3	IC 480-724422/15	2.0	4.42684	25.0	147498.0	2.21342	Y
4	IC 480-724422/16	5.0	10.554297	25.0	171686.0	2.110859	Y
5	IC 480-724422/17	10.0	24.479911	25.0	153964.0	2.447991	Y
6	ICIS 480-724422/18	25.0	54.467125	25.0	176411.0	2.178685	Y
7	IC 480-724422/19	50.0	101.879481	25.0	172255.0	2.03759	Y
8	IC 480-724422/20	100.0	202.462896	25.0	184549.0	2.024629	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

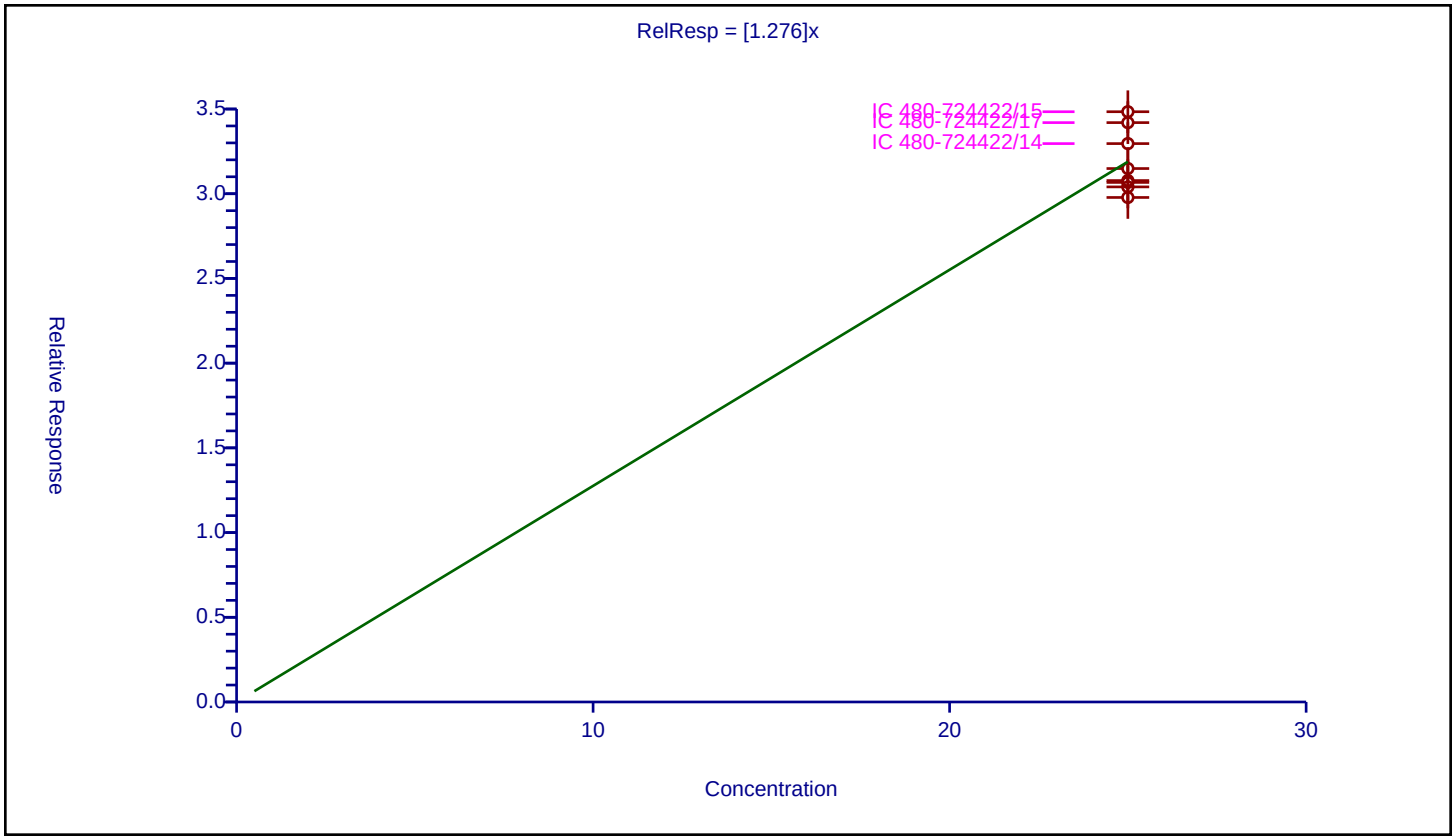
Curve Coefficients

Intercept:	0
Slope:	1.276

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	25.0	30.777505	25.0	170372.0	1.2311	Y
2	IC 480-724422/14	25.0	32.958594	25.0	158866.0	1.318344	Y
3	IC 480-724422/15	25.0	34.839455	25.0	147498.0	1.393578	Y
4	IC 480-724422/16	25.0	30.401576	25.0	171686.0	1.216063	Y
5	IC 480-724422/17	25.0	34.196955	25.0	153964.0	1.367878	Y
6	ICIS 480-724422/18	25.0	30.66603	25.0	176411.0	1.226641	Y
7	IC 480-724422/19	25.0	31.487185	25.0	172255.0	1.259487	Y
8	IC 480-724422/20	25.0	29.778677	25.0	184549.0	1.191147	Y



Calibration / Carbon tetrachloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

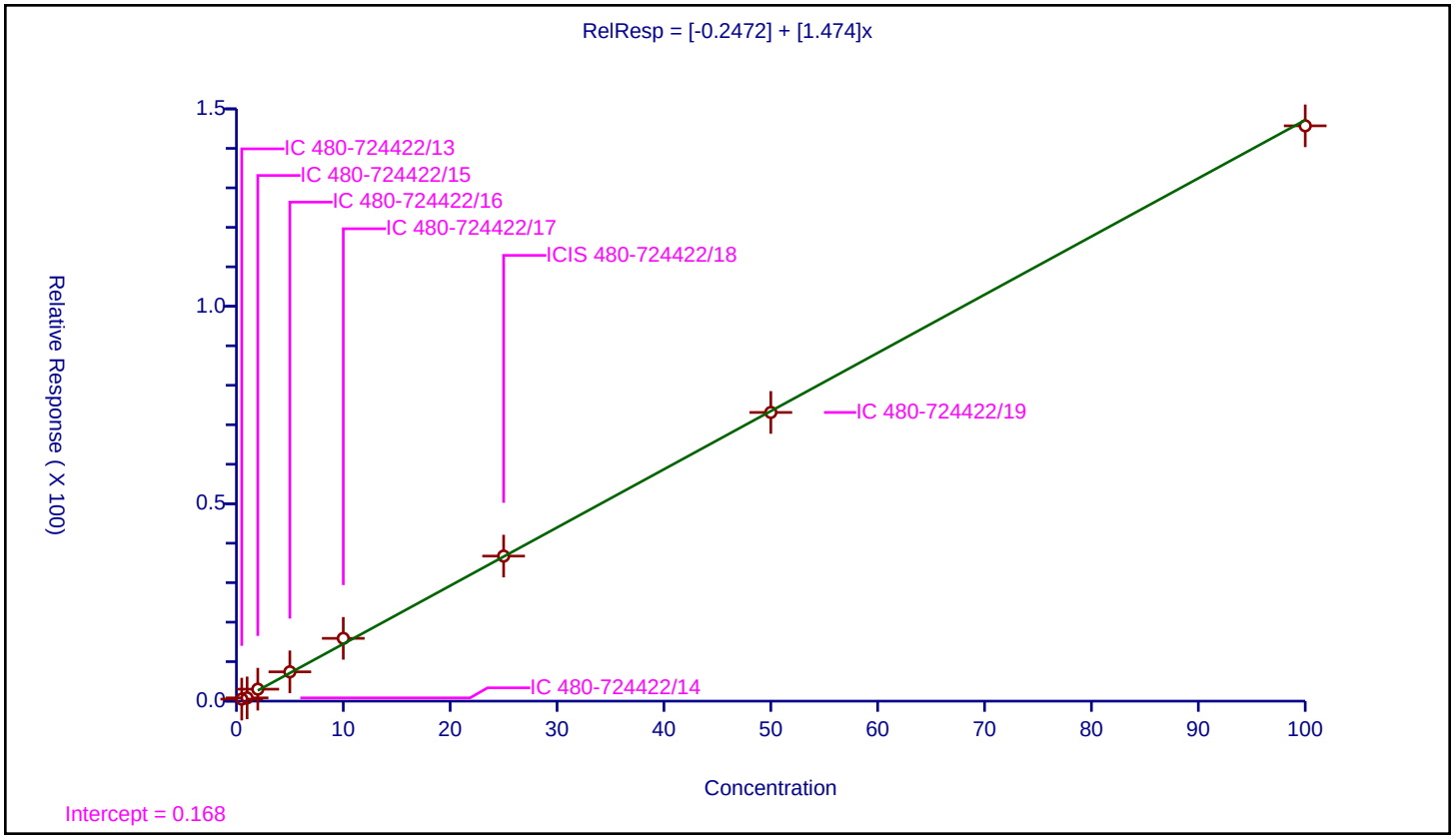
Curve Coefficients

Intercept:	-0.2472
Slope:	1.474

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.515636	25.0	170372.0	1.031273	Y
2	IC 480-724422/14	1.0	0.825224	25.0	158866.0	0.825224	Y
3	IC 480-724422/15	2.0	3.032245	25.0	147498.0	1.516122	Y
4	IC 480-724422/16	5.0	7.42096	25.0	171686.0	1.484192	Y
5	IC 480-724422/17	10.0	15.903555	25.0	153964.0	1.590356	Y
6	ICIS 480-724422/18	25.0	36.738639	25.0	176411.0	1.469546	Y
7	IC 480-724422/19	50.0	73.117907	25.0	172255.0	1.462358	Y
8	IC 480-724422/20	100.0	145.707644	25.0	184549.0	1.457076	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

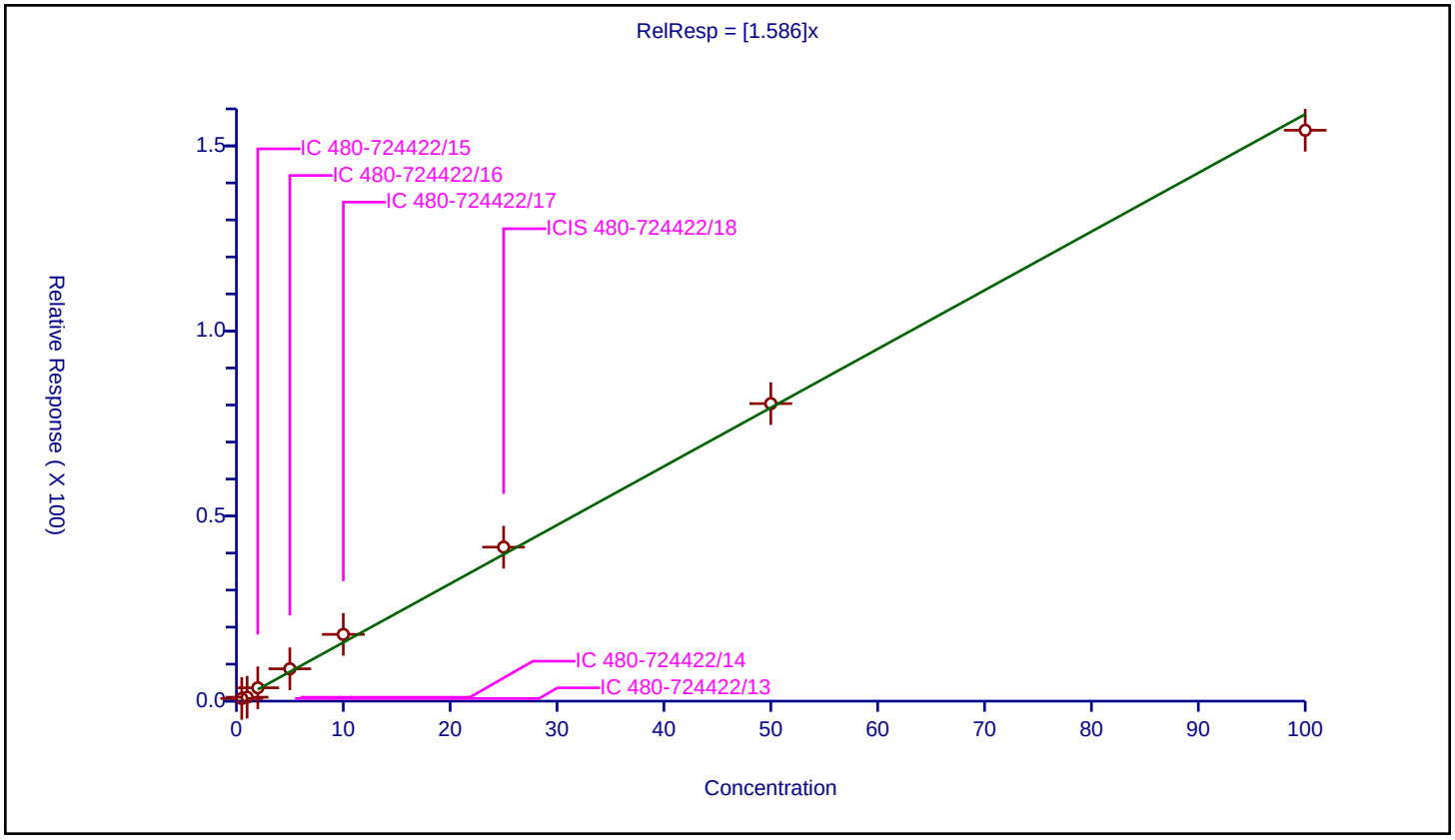
Curve Coefficients

Intercept:	0
Slope:	1.586

Error Coefficients

Relative Standard Deviation:	15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.725765	25.0	170372.0	1.45153	Y
2	IC 480-724422/14	1.0	1.064891	25.0	158866.0	1.064891	Y
3	IC 480-724422/15	2.0	3.604964	25.0	147498.0	1.802482	Y
4	IC 480-724422/16	5.0	8.741103	25.0	171686.0	1.748221	Y
5	IC 480-724422/17	10.0	18.033436	25.0	153964.0	1.803344	Y
6	ICIS 480-724422/18	25.0	41.609367	25.0	176411.0	1.664375	Y
7	IC 480-724422/19	50.0	80.384314	25.0	172255.0	1.607686	Y
8	IC 480-724422/20	100.0	154.229094	25.0	184549.0	1.542291	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

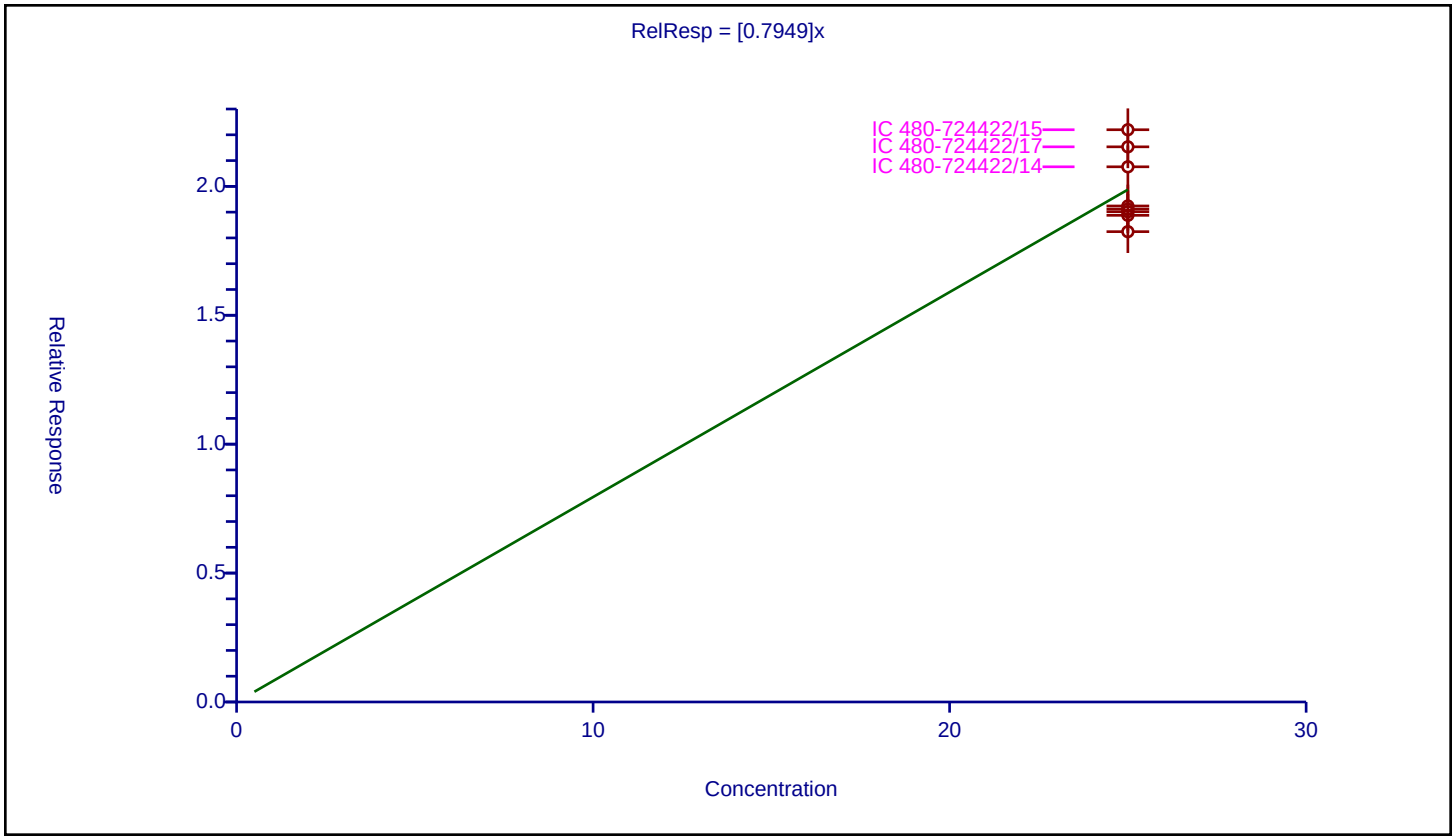
Curve Coefficients

Intercept:	0
Slope:	0.7949

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	25.0	19.015008	25.0	170372.0	0.7606	Y
2	IC 480-724422/14	25.0	20.758532	25.0	158866.0	0.830341	Y
3	IC 480-724422/15	25.0	22.195894	25.0	147498.0	0.887836	Y
4	IC 480-724422/16	25.0	19.239192	25.0	171686.0	0.769568	Y
5	IC 480-724422/17	25.0	21.532956	25.0	153964.0	0.861318	Y
6	ICIS 480-724422/18	25.0	18.87609	25.0	176411.0	0.755044	Y
7	IC 480-724422/19	25.0	19.118603	25.0	172255.0	0.764744	Y
8	IC 480-724422/20	25.0	18.242987	25.0	184549.0	0.729719	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

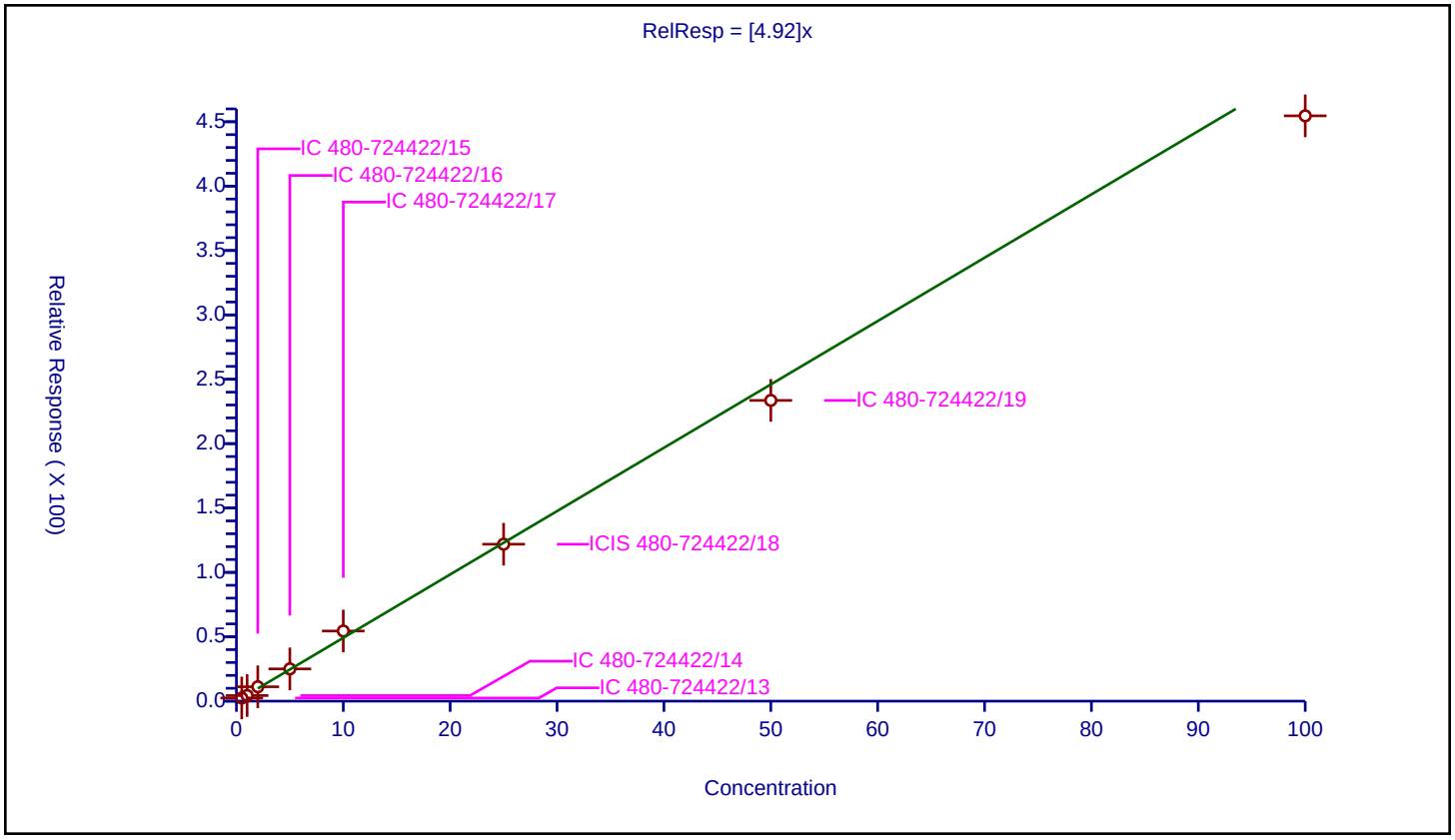
Curve Coefficients

Intercept:	0
Slope:	4.92

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	2.441276	25.0	170372.0	4.882551	Y
2	IC 480-724422/14	1.0	4.345643	25.0	158866.0	4.345643	Y
3	IC 480-724422/15	2.0	11.155914	25.0	147498.0	5.577957	Y
4	IC 480-724422/16	5.0	25.057809	25.0	171686.0	5.011562	Y
5	IC 480-724422/17	10.0	54.477832	25.0	153964.0	5.447783	Y
6	ICIS 480-724422/18	25.0	121.89957	25.0	176411.0	4.875983	Y
7	IC 480-724422/19	50.0	233.582479	25.0	172255.0	4.67165	Y
8	IC 480-724422/20	100.0	454.600404	25.0	184549.0	4.546004	Y



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Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

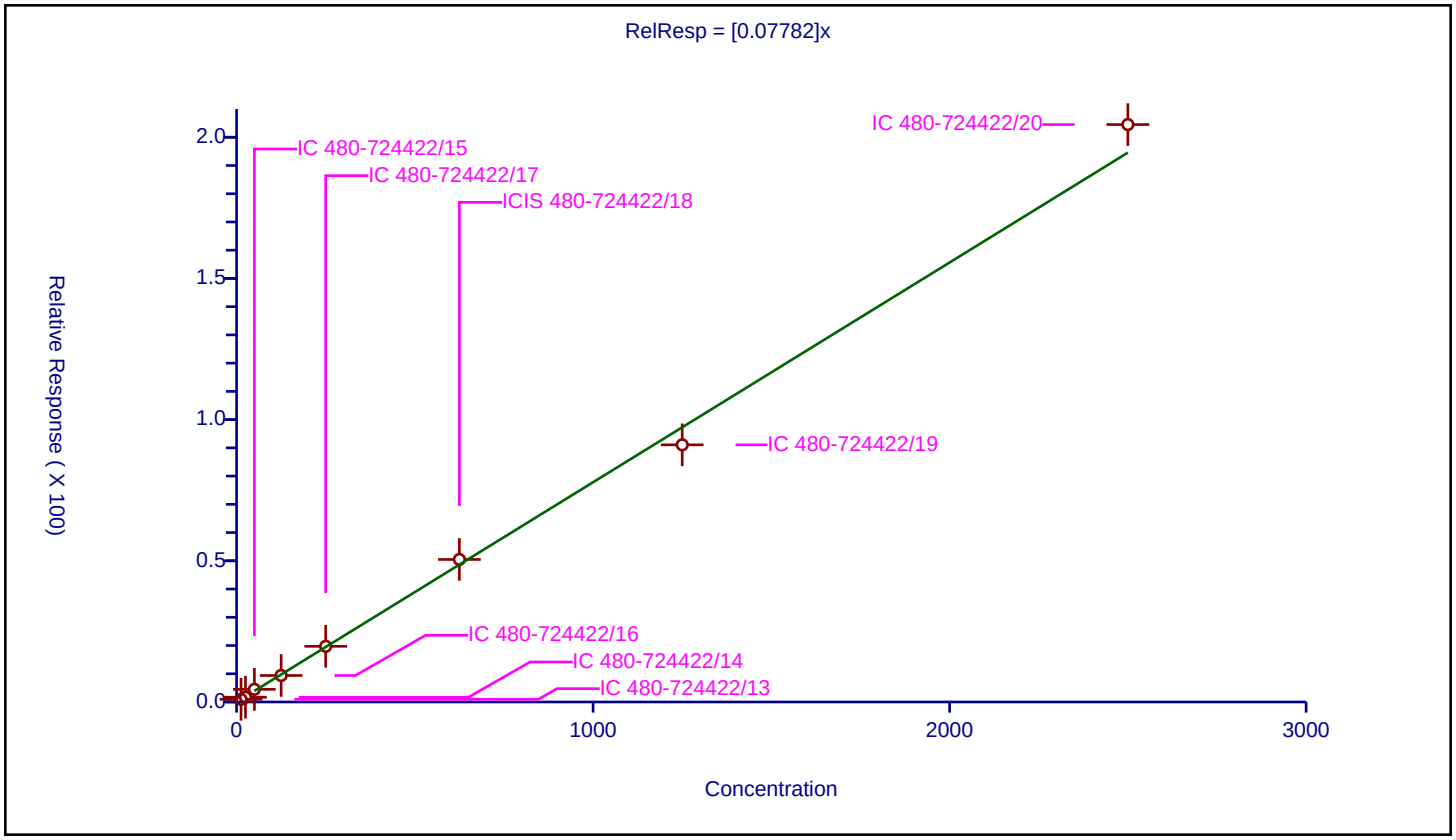
Curve Coefficients

Intercept:	0
Slope:	0.07782

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	12.5	0.952034	25.0	170372.0	0.076163	Y
2	IC 480-724422/14	25.0	1.685855	25.0	158866.0	0.067434	Y
3	IC 480-724422/15	50.0	4.480061	25.0	147498.0	0.089601	Y
4	IC 480-724422/16	125.0	9.38603	25.0	171686.0	0.075088	Y
5	IC 480-724422/17	250.0	19.714511	25.0	153964.0	0.078858	Y
6	ICIS 480-724422/18	625.0	50.470492	25.0	176411.0	0.080753	Y
7	IC 480-724422/19	1250.0	91.072973	25.0	172255.0	0.072858	Y
8	IC 480-724422/20	2500.0	204.495012	25.0	184549.0	0.081798	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

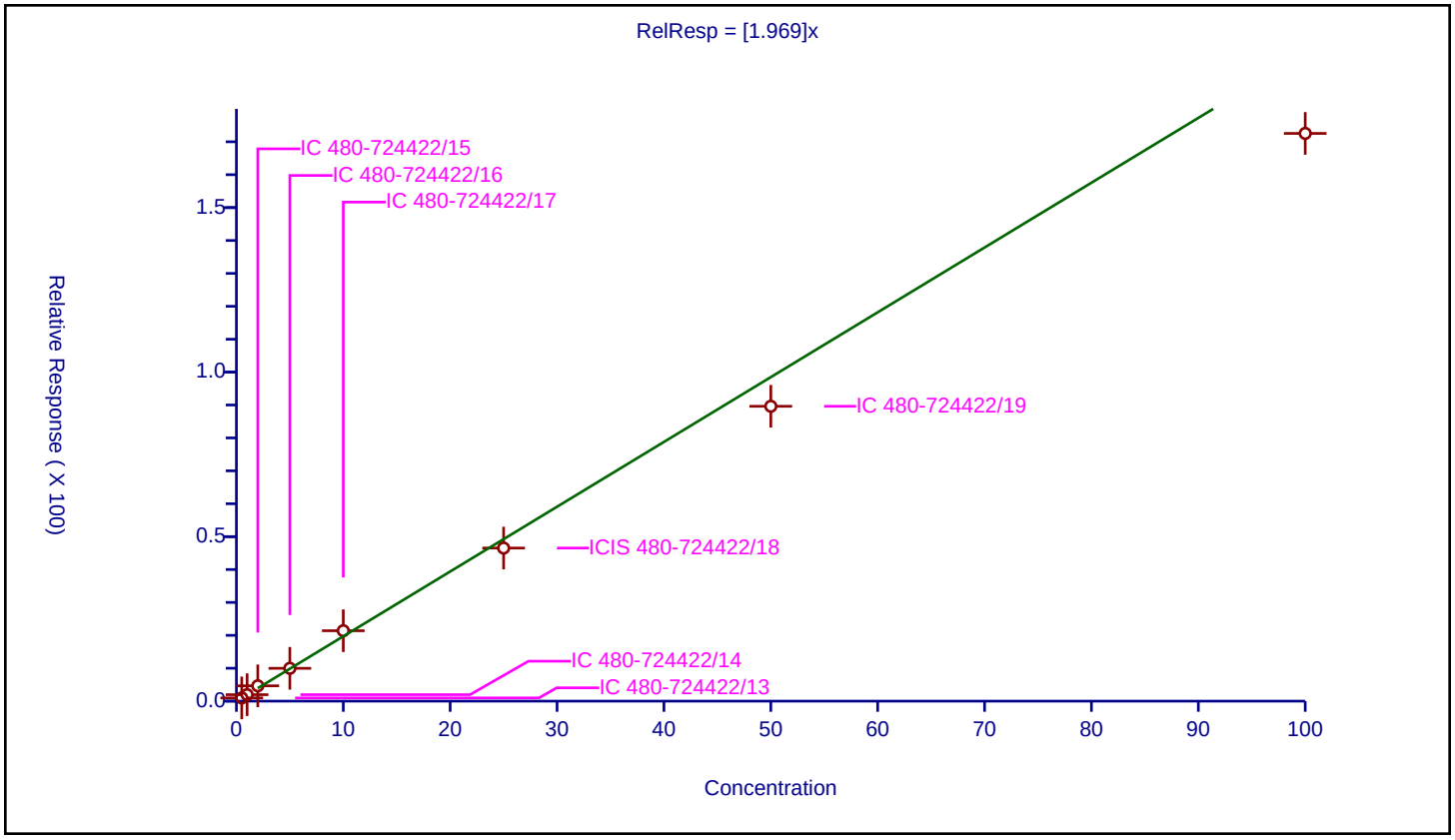
Curve Coefficients

Intercept:	0
Slope:	1.969

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.973605	25.0	170372.0	1.94721	Y
2	IC 480-724422/14	1.0	1.96329	25.0	158866.0	1.96329	Y
3	IC 480-724422/15	2.0	4.662097	25.0	147498.0	2.331049	Y
4	IC 480-724422/16	5.0	9.977954	25.0	171686.0	1.995591	Y
5	IC 480-724422/17	10.0	21.401432	25.0	153964.0	2.140143	Y
6	ICIS 480-724422/18	25.0	46.521617	25.0	176411.0	1.860865	Y
7	IC 480-724422/19	50.0	89.615541	25.0	172255.0	1.792311	Y
8	IC 480-724422/20	100.0	172.544825	25.0	184549.0	1.725448	Y



Calibration / n-Heptane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

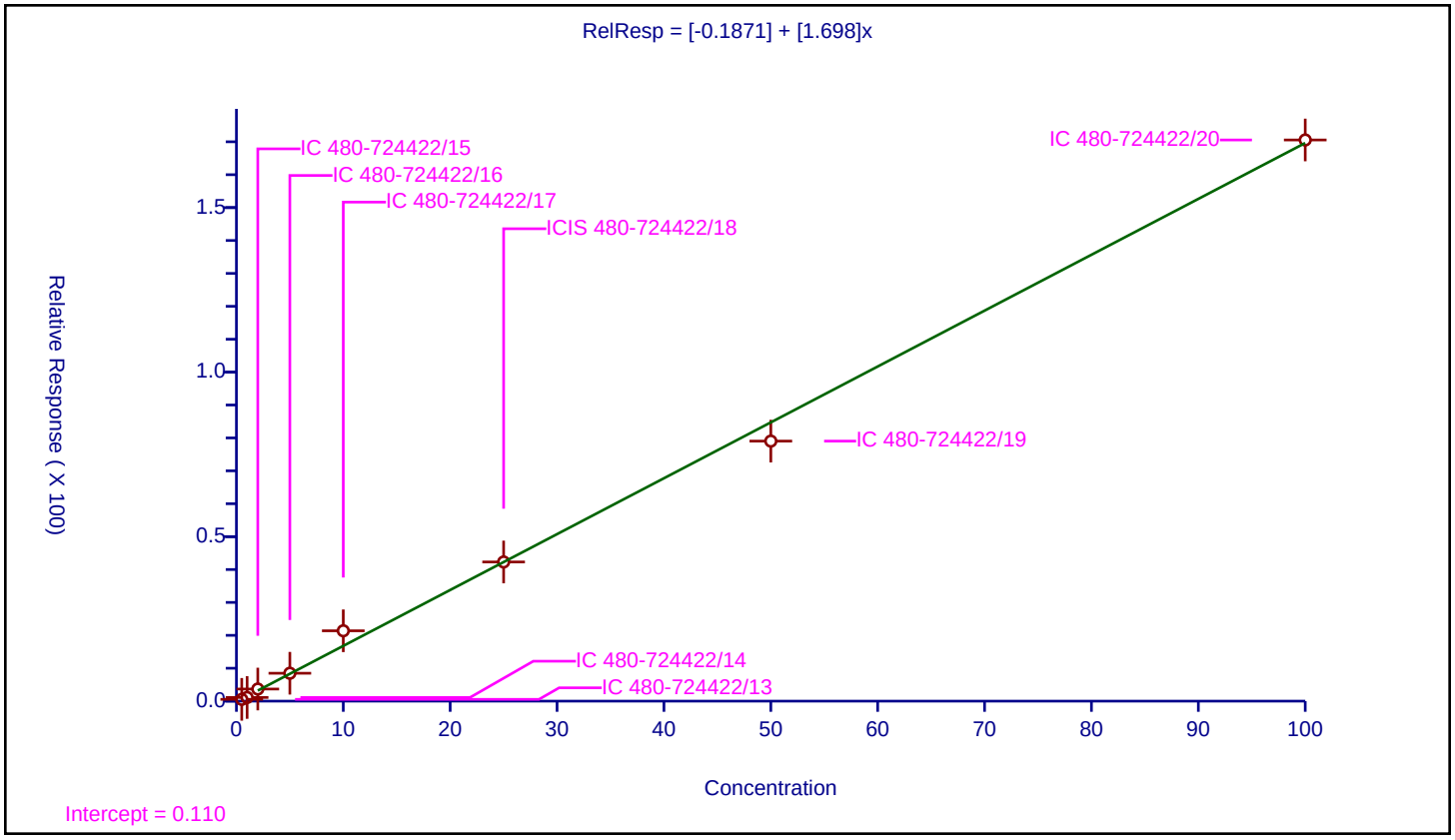
Curve Coefficients

Intercept:	-0.1871
Slope:	1.698

Error Coefficients

Relative Standard Deviation:	16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.546011	25.0	170372.0	1.092022	Y
2	IC 480-724422/14	1.0	1.114933	25.0	158866.0	1.114933	Y
3	IC 480-724422/15	2.0	3.682253	25.0	147498.0	1.841127	Y
4	IC 480-724422/16	5.0	8.481618	25.0	171686.0	1.696324	Y
5	IC 480-724422/17	10.0	21.385519	25.0	153964.0	2.138552	Y
6	ICIS 480-724422/18	25.0	42.295548	25.0	176411.0	1.691822	Y
7	IC 480-724422/19	50.0	79.032974	25.0	172255.0	1.580659	Y
8	IC 480-724422/20	100.0	170.557142	25.0	184549.0	1.705571	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

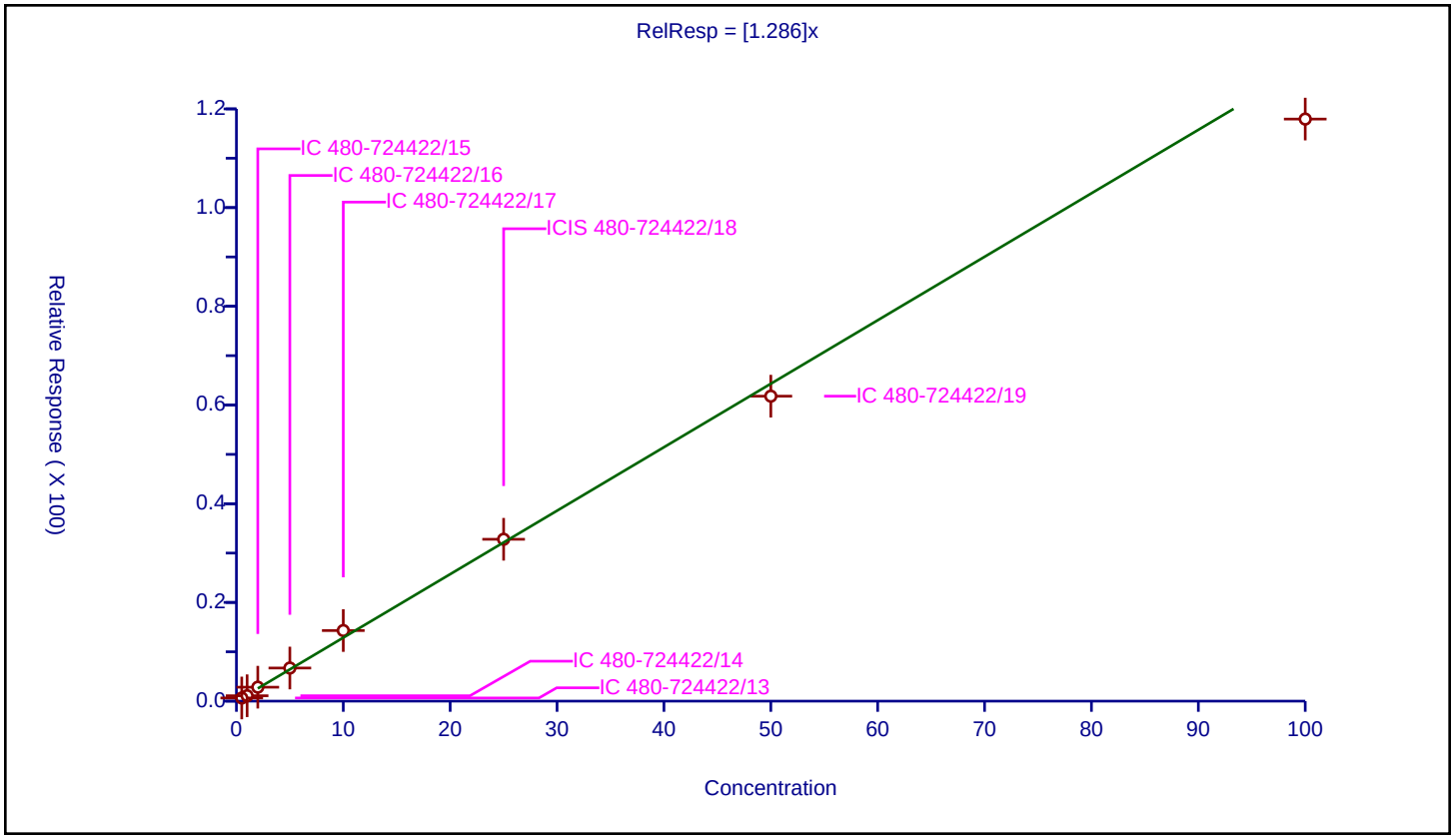
Curve Coefficients

Intercept:	0
Slope:	1.286

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.641684	25.0	170372.0	1.283368	Y
2	IC 480-724422/14	1.0	1.094948	25.0	158866.0	1.094948	Y
3	IC 480-724422/15	2.0	2.823598	25.0	147498.0	1.411799	Y
4	IC 480-724422/16	5.0	6.709487	25.0	171686.0	1.341897	Y
5	IC 480-724422/17	10.0	14.306104	25.0	153964.0	1.43061	Y
6	ICIS 480-724422/18	25.0	32.794865	25.0	176411.0	1.311795	Y
7	IC 480-724422/19	50.0	61.795158	25.0	172255.0	1.235903	Y
8	IC 480-724422/20	100.0	117.939409	25.0	184549.0	1.179394	Y



Calibration / Methylcyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

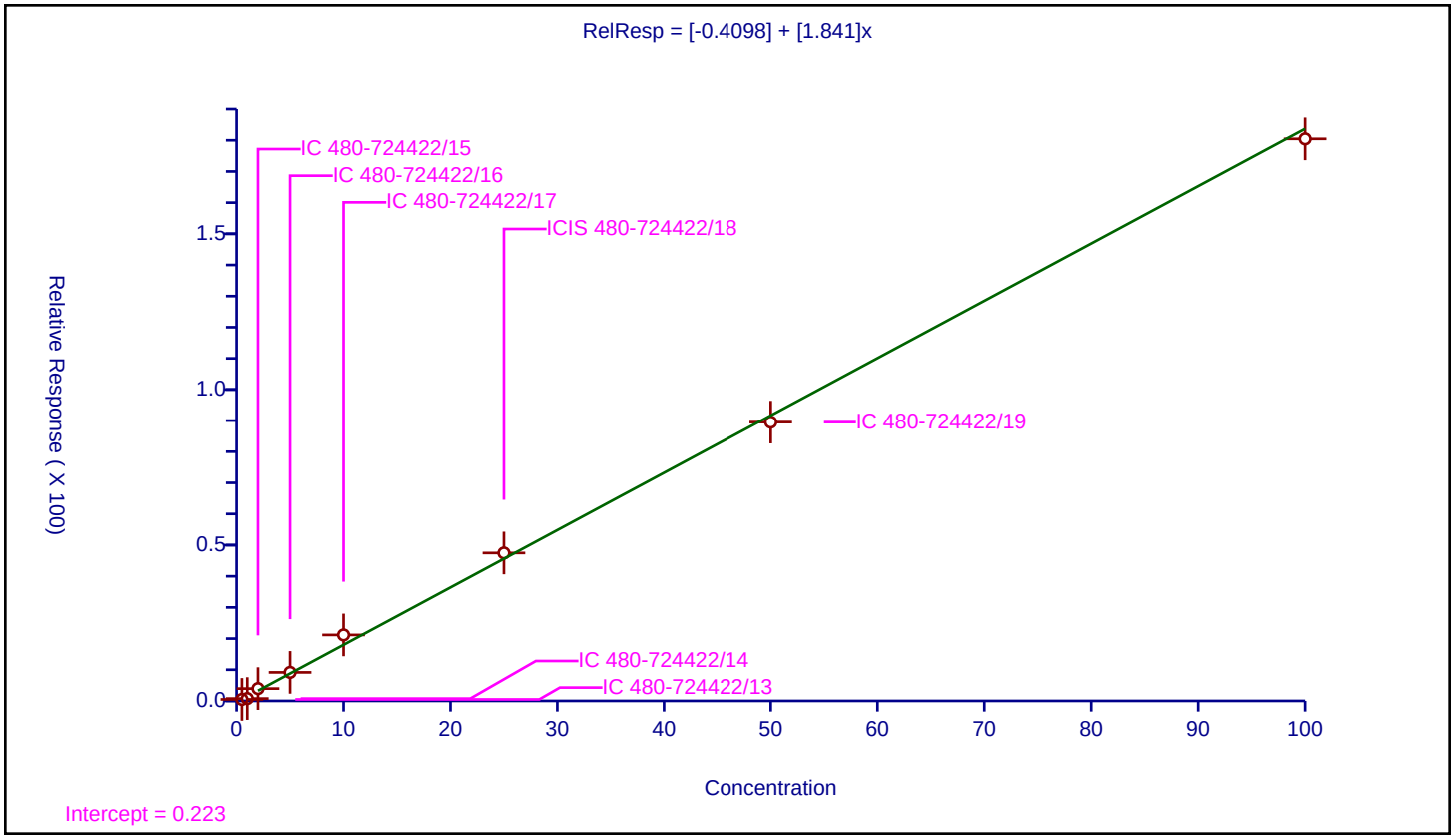
Curve Coefficients

Intercept:	-0.4098
Slope:	1.841

Error Coefficients

Relative Standard Deviation:	18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.482767	25.0	170372.0	0.965534	Y
2	IC 480-724422/14	1.0	0.75976	25.0	158866.0	0.75976	Y
3	IC 480-724422/15	2.0	3.950562	25.0	147498.0	1.975281	Y
4	IC 480-724422/16	5.0	9.152173	25.0	171686.0	1.830435	Y
5	IC 480-724422/17	10.0	21.181737	25.0	153964.0	2.118174	Y
6	ICIS 480-724422/18	25.0	47.475781	25.0	176411.0	1.899031	Y
7	IC 480-724422/19	50.0	89.509884	25.0	172255.0	1.790198	Y
8	IC 480-724422/20	100.0	180.462506	25.0	184549.0	1.804625	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

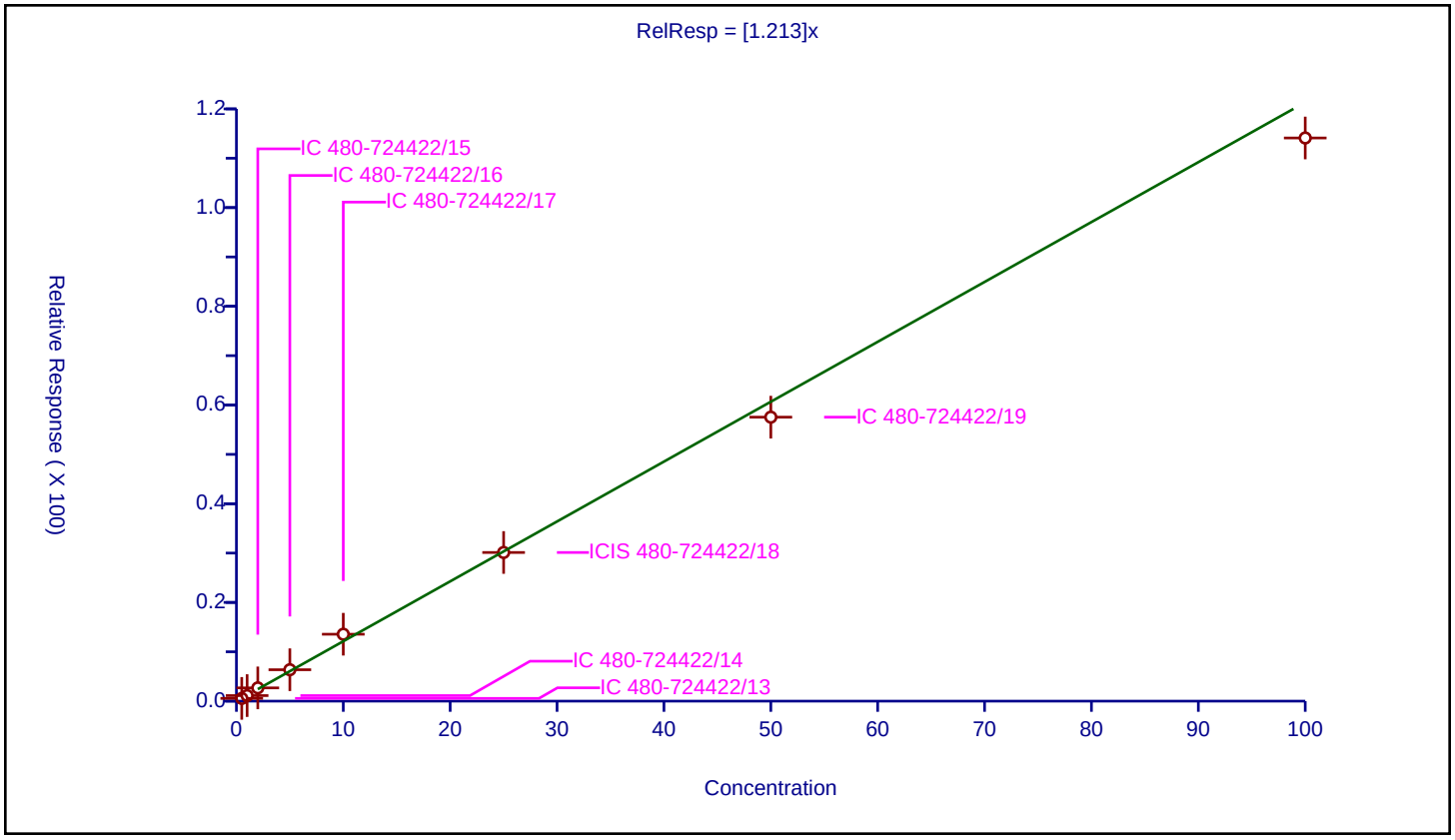
Curve Coefficients

Intercept:	0
Slope:	1.213

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.556723	25.0	170372.0	1.113446	Y
2	IC 480-724422/14	1.0	1.125634	25.0	158866.0	1.125634	Y
3	IC 480-724422/15	2.0	2.685121	25.0	147498.0	1.342561	Y
4	IC 480-724422/16	5.0	6.36307	25.0	171686.0	1.272614	Y
5	IC 480-724422/17	10.0	13.557065	25.0	153964.0	1.355707	Y
6	ICIS 480-724422/18	25.0	30.122413	25.0	176411.0	1.204897	Y
7	IC 480-724422/19	50.0	57.542887	25.0	172255.0	1.150858	Y
8	IC 480-724422/20	100.0	114.108313	25.0	184549.0	1.141083	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

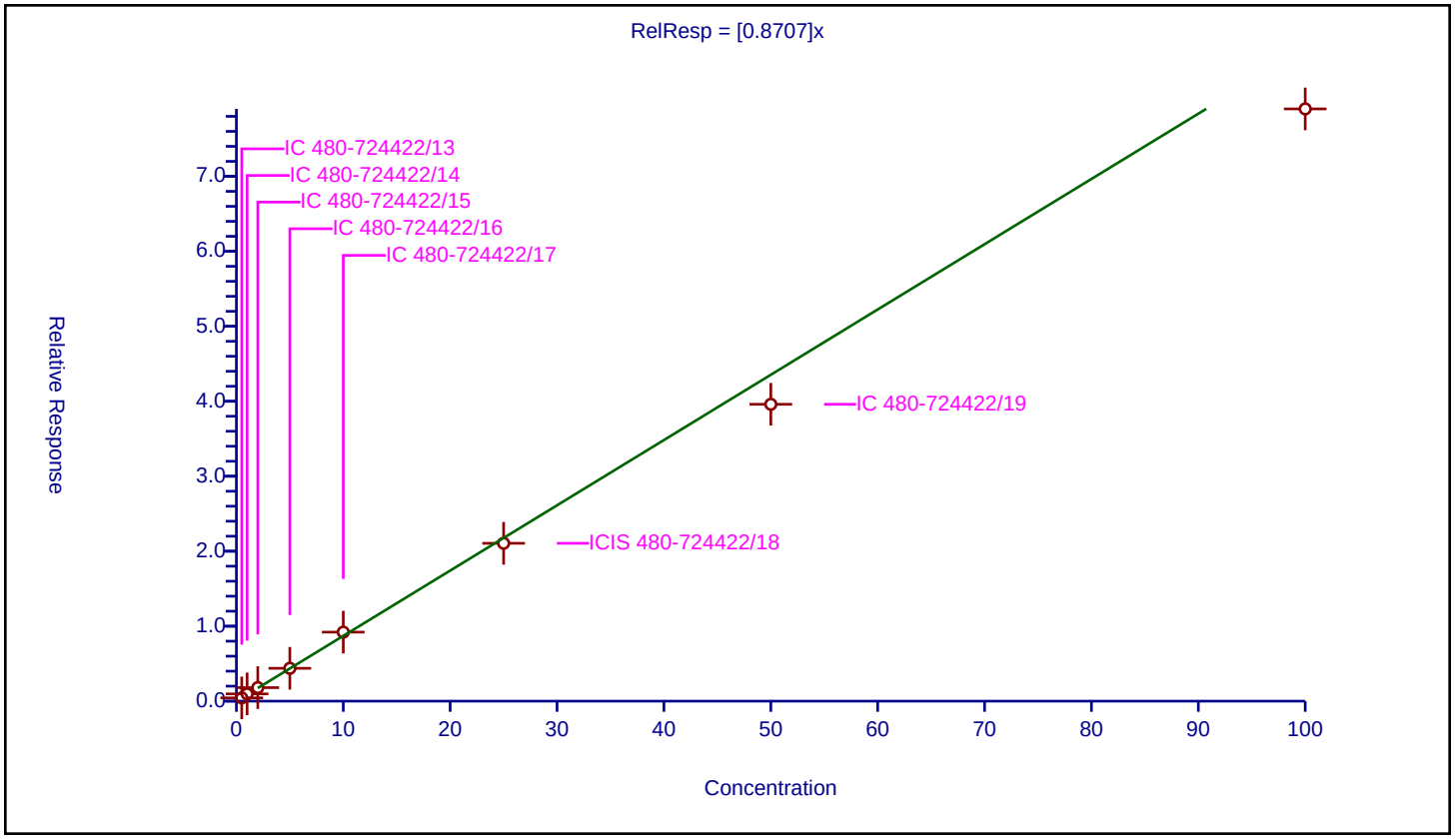
Curve Coefficients

Intercept:	0
Slope:	0.8707

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.436838	25.0	170372.0	0.873676	Y
2	IC 480-724422/14	1.0	0.968741	25.0	158866.0	0.968741	Y
3	IC 480-724422/15	2.0	1.803245	25.0	147498.0	0.901622	Y
4	IC 480-724422/16	5.0	4.381837	25.0	171686.0	0.876367	Y
5	IC 480-724422/17	10.0	9.207834	25.0	153964.0	0.920783	Y
6	ICIS 480-724422/18	25.0	21.056227	25.0	176411.0	0.842249	Y
7	IC 480-724422/19	50.0	39.596093	25.0	172255.0	0.791922	Y
8	IC 480-724422/20	100.0	78.996635	25.0	184549.0	0.789966	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

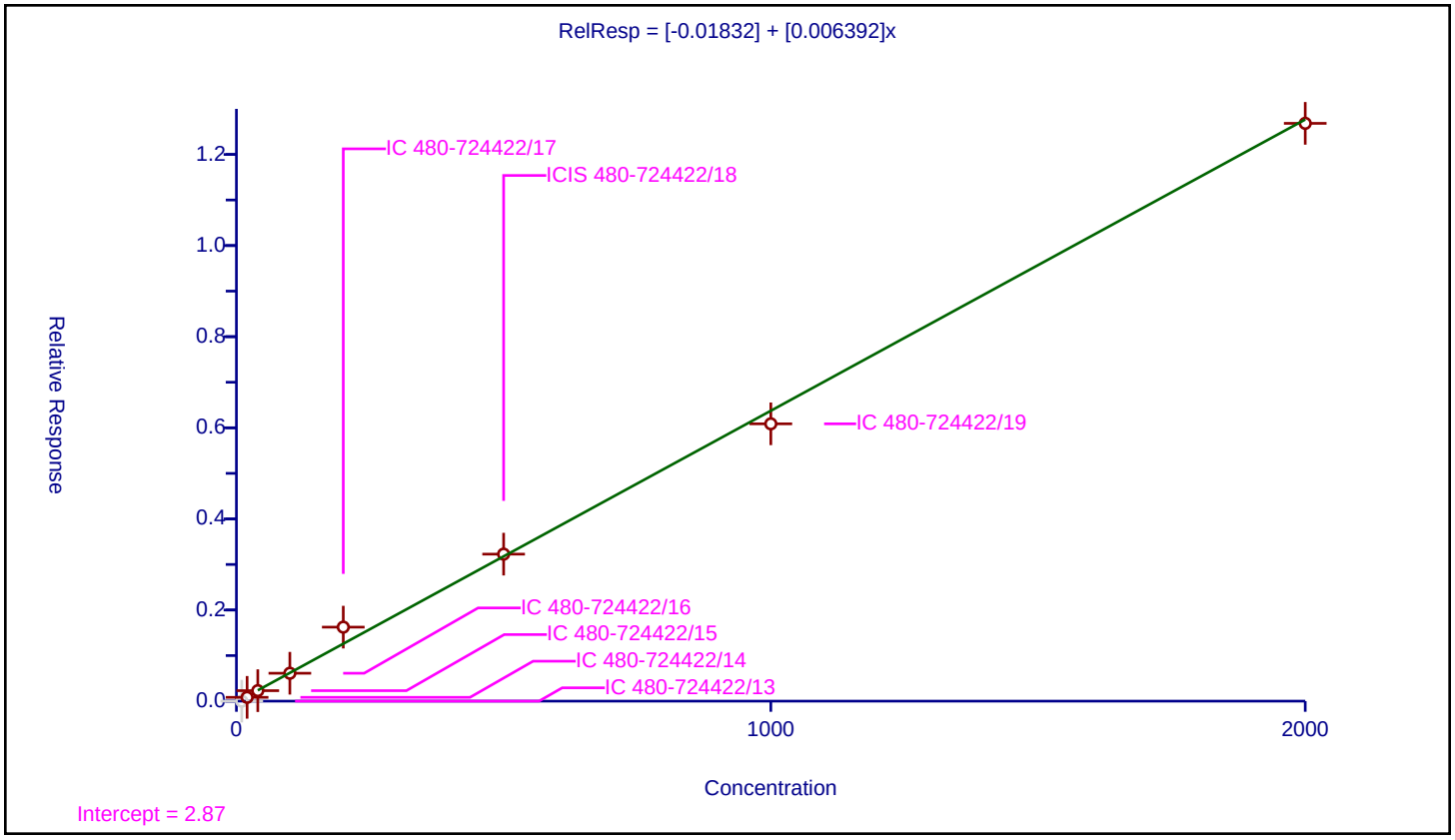
Curve Coefficients

Intercept:	-0.01832
Slope:	0.006392

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	10.0	0.0	25.0	342326.0	0.0	N
2	IC 480-724422/14	20.0	0.083128	25.0	313373.0	0.004156	Y
3	IC 480-724422/15	40.0	0.230049	25.0	309391.0	0.005751	Y
4	IC 480-724422/16	100.0	0.612129	25.0	342248.0	0.006121	Y
5	IC 480-724422/17	200.0	1.624649	25.0	304081.0	0.008123	Y
6	ICIS 480-724422/18	500.0	3.226878	25.0	352260.0	0.006454	Y
7	IC 480-724422/19	1000.0	6.087394	25.0	333821.0	0.006087	Y
8	IC 480-724422/20	2000.0	12.682457	25.0	363374.0	0.006341	Y



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Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

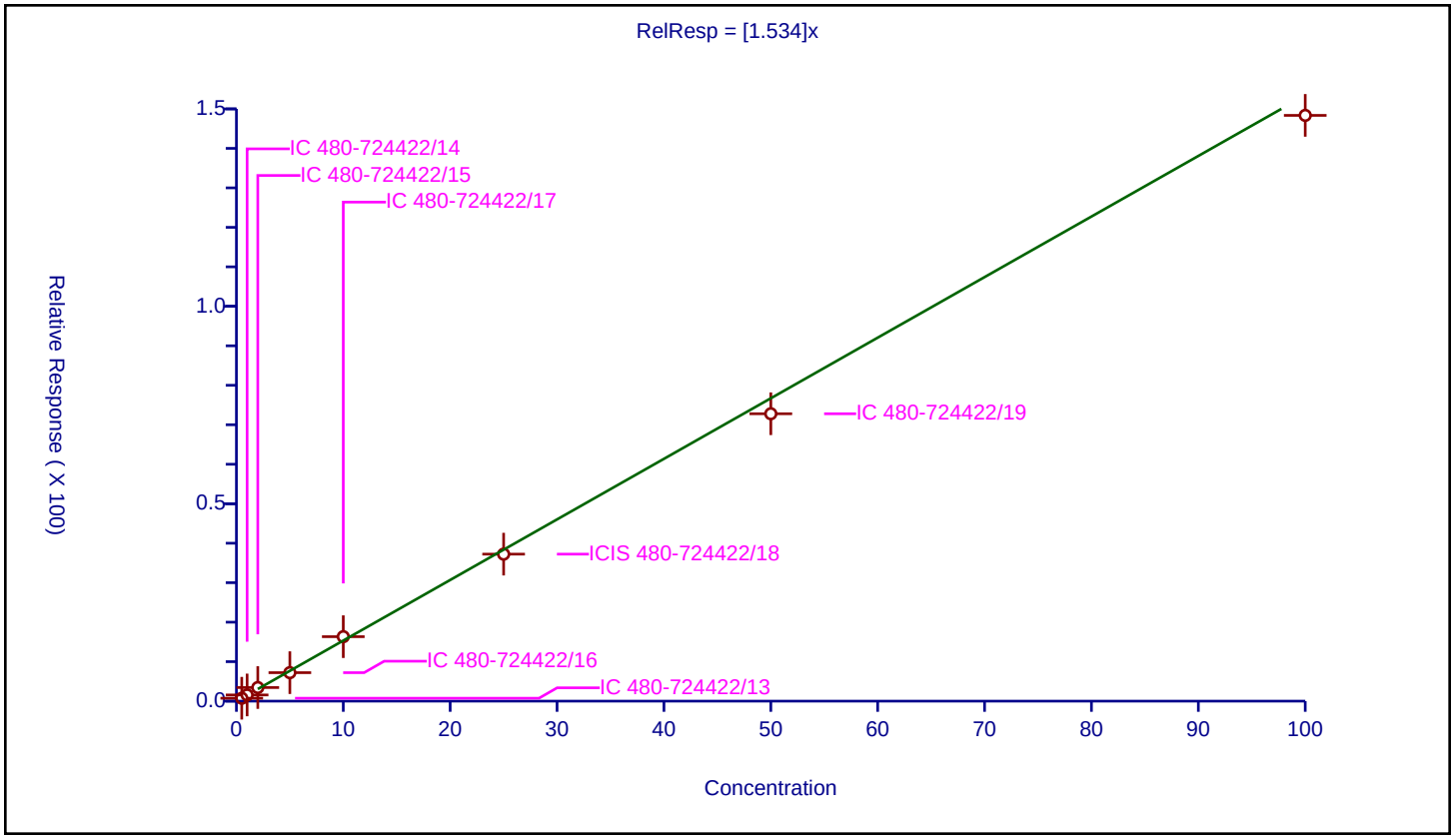
Curve Coefficients

Intercept:	0
Slope:	1.534

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.739118	25.0	170372.0	1.478236	Y
2	IC 480-724422/14	1.0	1.571135	25.0	158866.0	1.571135	Y
3	IC 480-724422/15	2.0	3.440894	25.0	147498.0	1.720447	Y
4	IC 480-724422/16	5.0	7.211712	25.0	171686.0	1.442342	Y
5	IC 480-724422/17	10.0	16.329791	25.0	153964.0	1.632979	Y
6	ICIS 480-724422/18	25.0	37.230813	25.0	176411.0	1.489233	Y
7	IC 480-724422/19	50.0	72.792082	25.0	172255.0	1.455842	Y
8	IC 480-724422/20	100.0	148.350844	25.0	184549.0	1.483508	Y



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Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

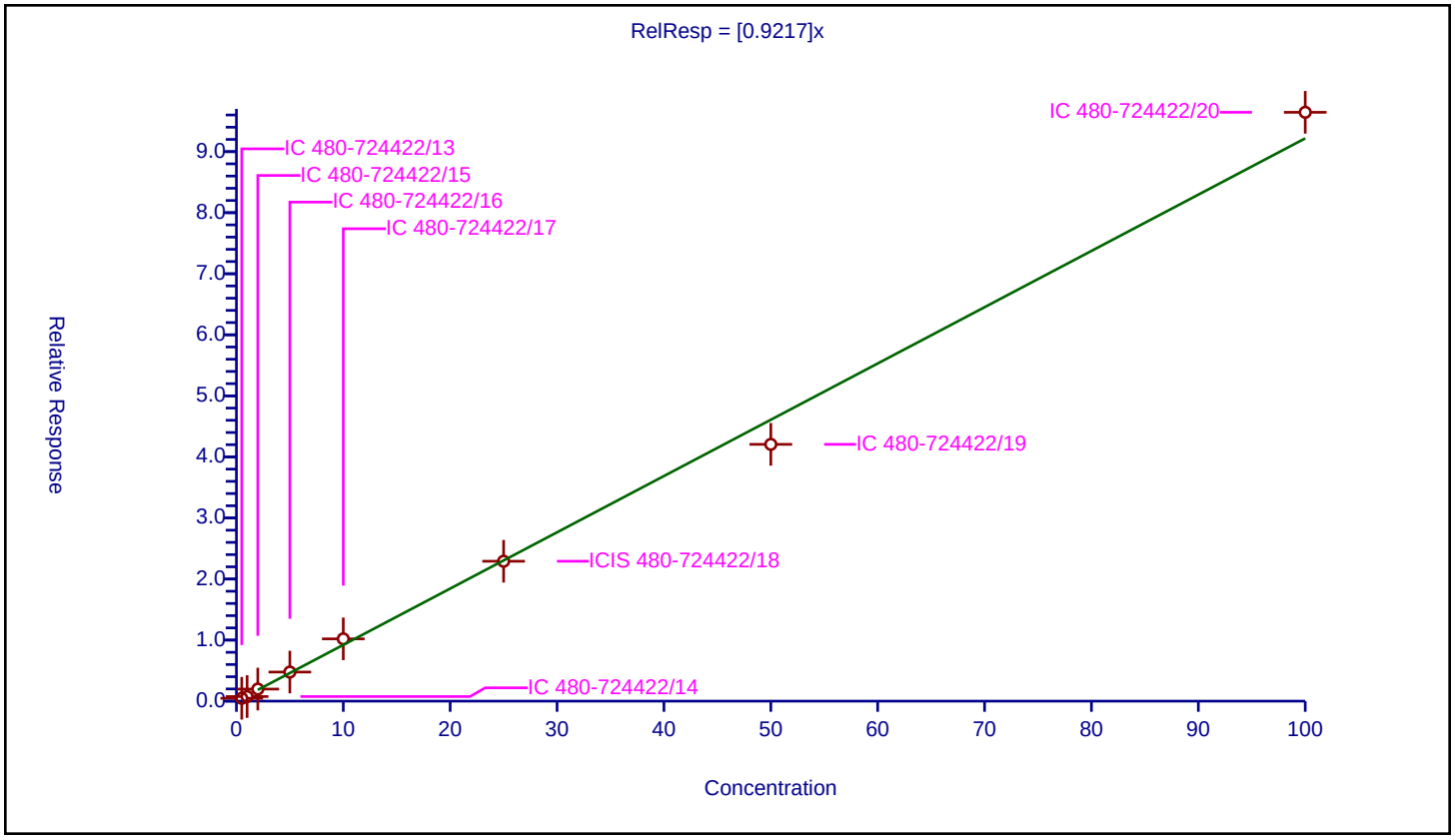
Curve Coefficients

Intercept:	0
Slope:	0.9217

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.4678	25.0	170372.0	0.9356	Y
2	IC 480-724422/14	1.0	0.75315	25.0	158866.0	0.75315	Y
3	IC 480-724422/15	2.0	1.97901	25.0	147498.0	0.989505	Y
4	IC 480-724422/16	5.0	4.766987	25.0	171686.0	0.953397	Y
5	IC 480-724422/17	10.0	10.199137	25.0	153964.0	1.019914	Y
6	ICIS 480-724422/18	25.0	22.911695	25.0	176411.0	0.916468	Y
7	IC 480-724422/19	50.0	42.056834	25.0	172255.0	0.841137	Y
8	IC 480-724422/20	100.0	96.443492	25.0	184549.0	0.964435	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

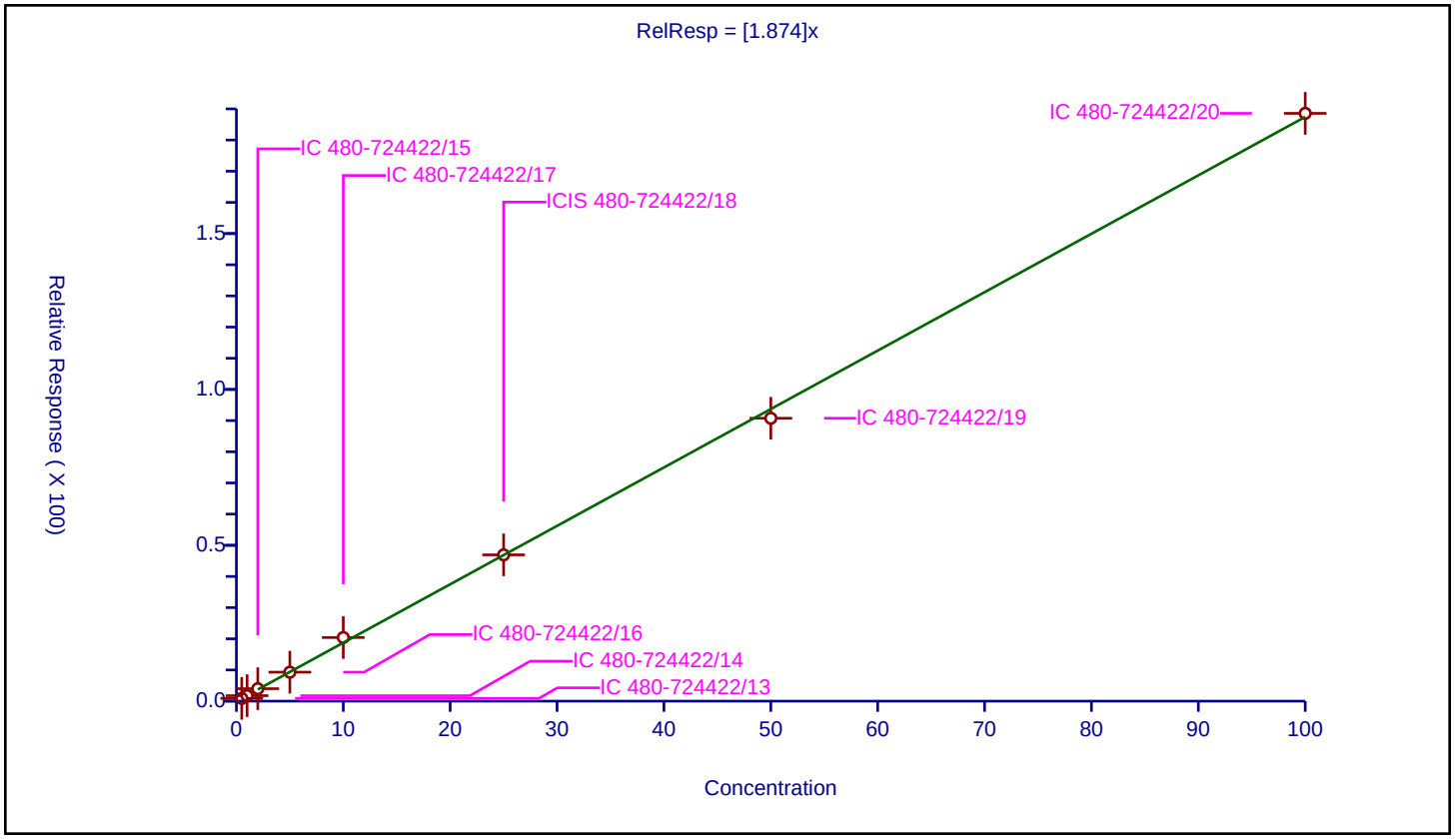
Curve Coefficients

Intercept:	0
Slope:	1.874

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.882627	25.0	170372.0	1.765255	Y
2	IC 480-724422/14	1.0	1.755725	25.0	158866.0	1.755725	Y
3	IC 480-724422/15	2.0	3.990732	25.0	147498.0	1.995366	Y
4	IC 480-724422/16	5.0	9.293711	25.0	171686.0	1.858742	Y
5	IC 480-724422/17	10.0	20.407368	25.0	153964.0	2.040737	Y
6	ICIS 480-724422/18	25.0	46.930464	25.0	176411.0	1.877219	Y
7	IC 480-724422/19	50.0	90.756146	25.0	172255.0	1.815123	Y
8	IC 480-724422/20	100.0	188.561304	25.0	184549.0	1.885613	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

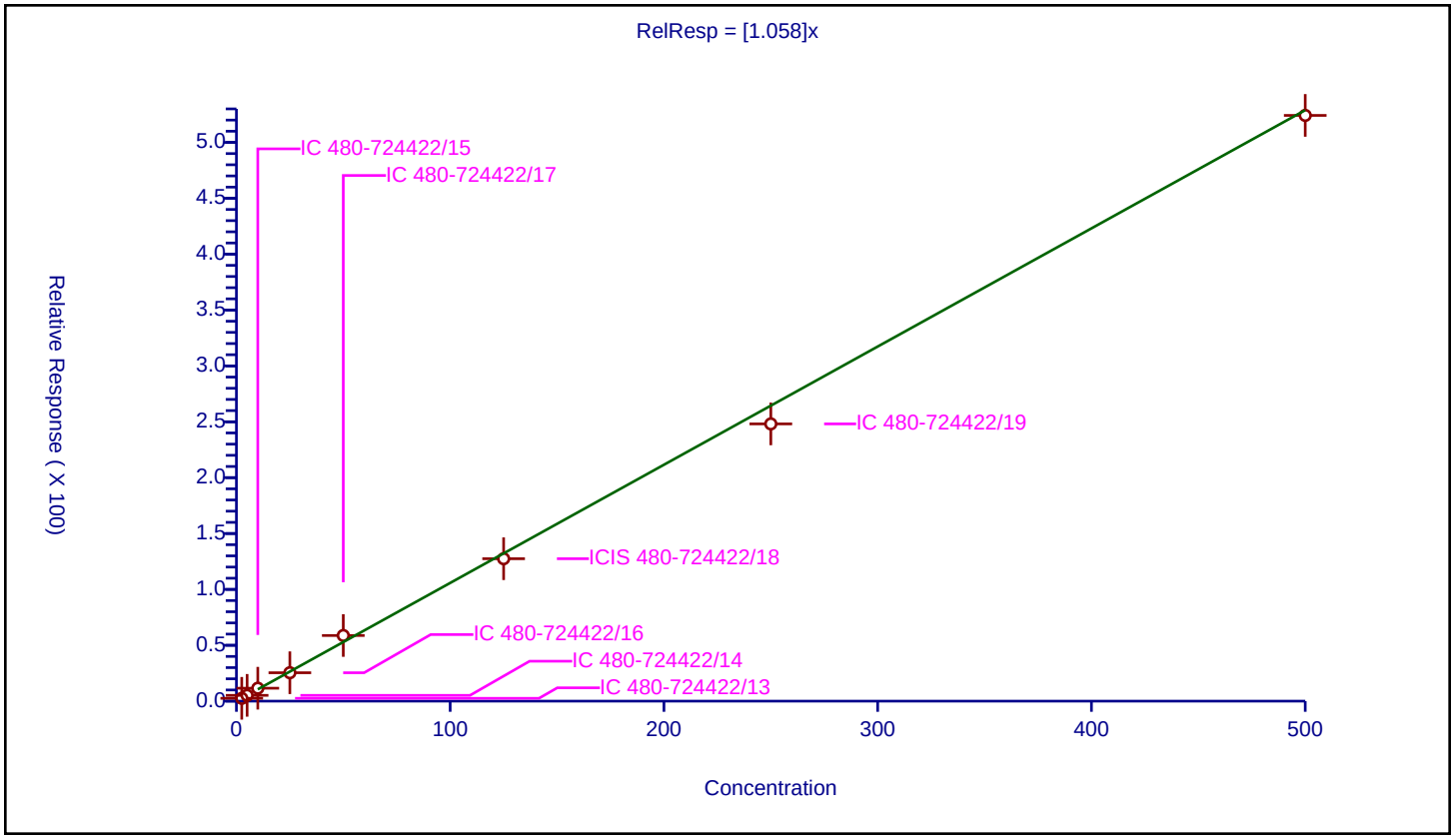
Curve Coefficients

Intercept:	0
Slope:	1.058

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	2.5	2.533842	25.0	342326.0	1.013537	Y
2	IC 480-724422/14	5.0	5.193332	25.0	313373.0	1.038666	Y
3	IC 480-724422/15	10.0	11.570472	25.0	309391.0	1.157047	Y
4	IC 480-724422/16	25.0	25.430244	25.0	342248.0	1.01721	Y
5	IC 480-724422/17	50.0	58.74027	25.0	304081.0	1.174805	Y
6	ICIS 480-724422/18	125.0	127.44443	25.0	352260.0	1.019555	Y
7	IC 480-724422/19	250.0	248.118752	25.0	333821.0	0.992475	Y
8	IC 480-724422/20	500.0	524.167112	25.0	363374.0	1.048334	Y



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Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

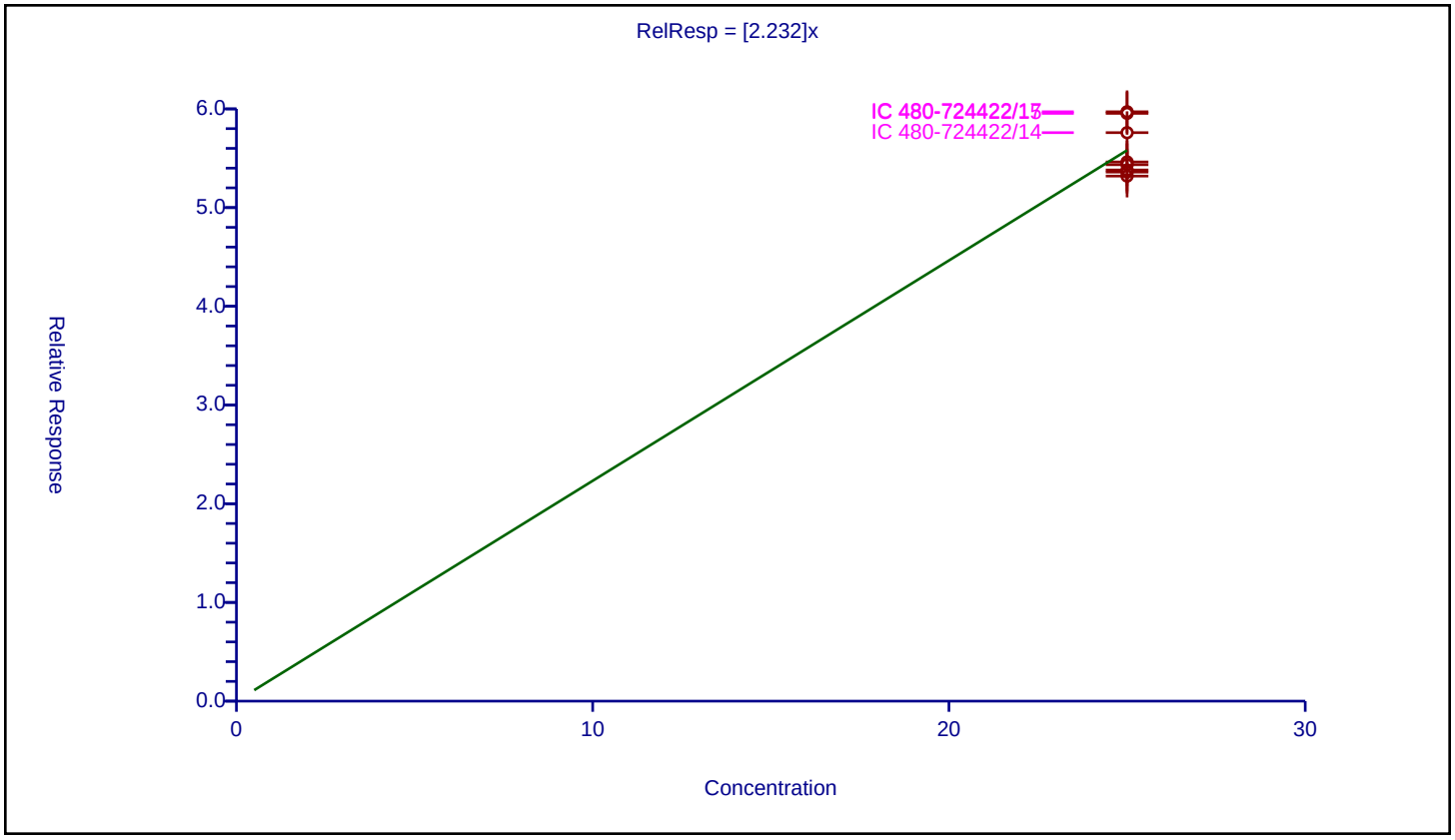
Curve Coefficients

Intercept:	0
Slope:	2.232

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	25.0	53.812594	25.0	342326.0	2.152504	Y
2	IC 480-724422/14	25.0	57.592789	25.0	313373.0	2.303712	Y
3	IC 480-724422/15	25.0	59.546254	25.0	309391.0	2.38185	Y
4	IC 480-724422/16	25.0	53.194832	25.0	342248.0	2.127793	Y
5	IC 480-724422/17	25.0	59.707529	25.0	304081.0	2.388301	Y
6	ICIS 480-724422/18	25.0	53.600608	25.0	352260.0	2.144024	Y
7	IC 480-724422/19	25.0	54.626057	25.0	333821.0	2.185042	Y
8	IC 480-724422/20	25.0	54.344628	25.0	363374.0	2.173785	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

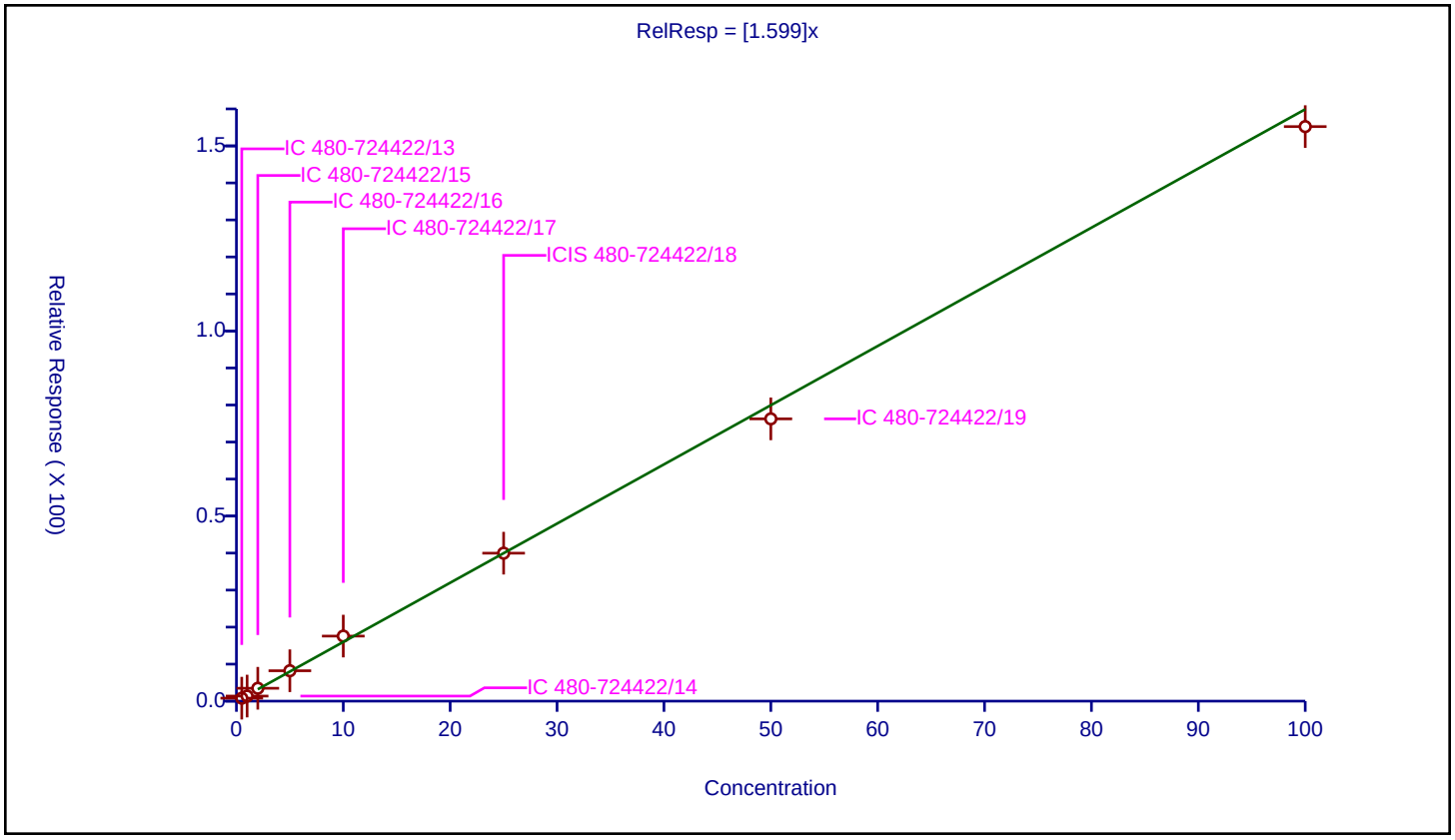
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.800553	25.0	342326.0	1.601105	Y
2	IC 480-724422/14	1.0	1.373762	25.0	313373.0	1.373762	Y
3	IC 480-724422/15	2.0	3.47885	25.0	309391.0	1.739425	Y
4	IC 480-724422/16	5.0	8.215826	25.0	342248.0	1.643165	Y
5	IC 480-724422/17	10.0	17.572209	25.0	304081.0	1.757221	Y
6	ICIS 480-724422/18	25.0	39.972251	25.0	352260.0	1.59889	Y
7	IC 480-724422/19	50.0	76.262803	25.0	333821.0	1.525256	Y
8	IC 480-724422/20	100.0	155.212329	25.0	363374.0	1.552123	Y



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Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

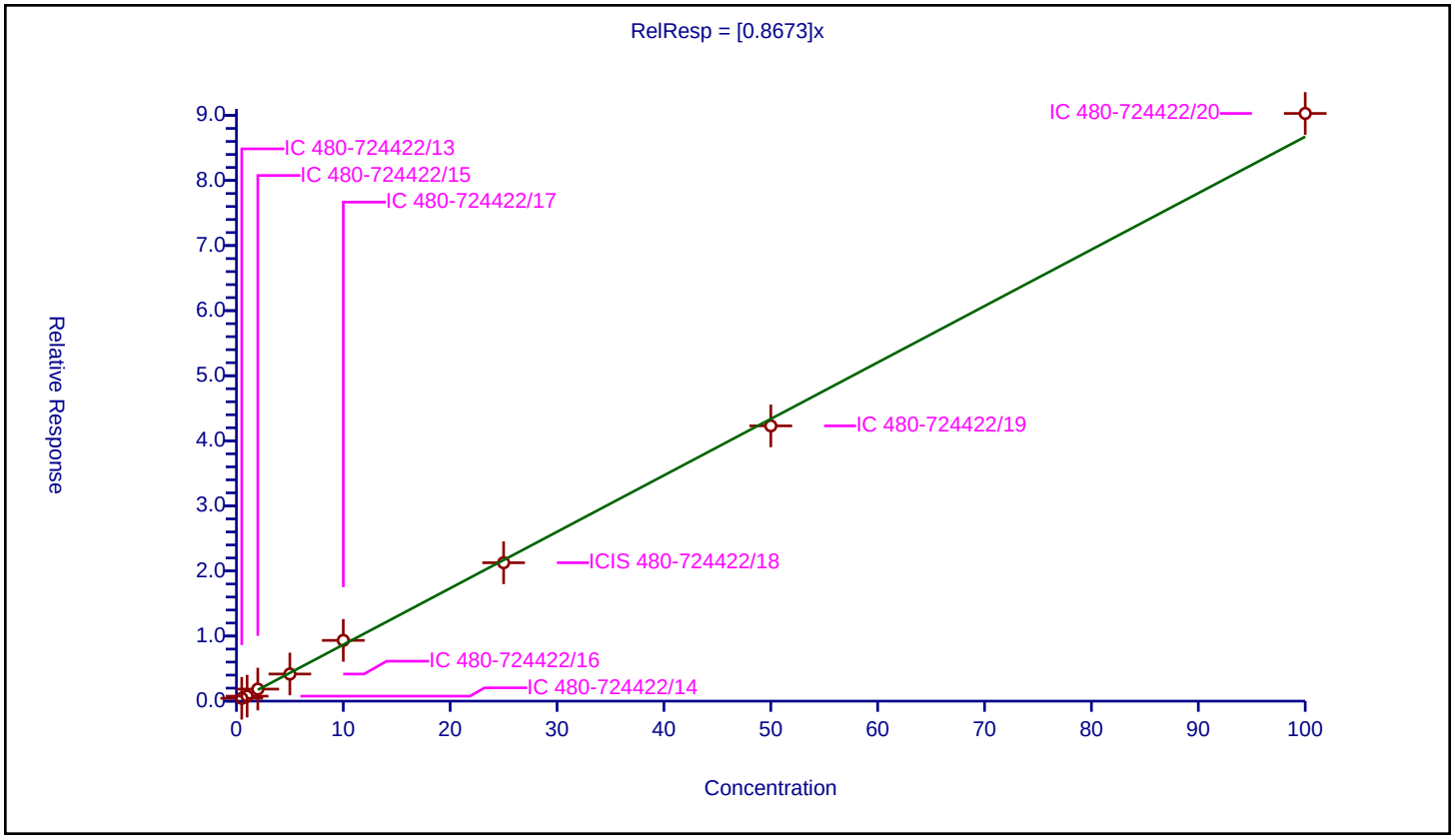
Curve Coefficients

Intercept:	0
Slope:	0.8673

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.438252	25.0	342326.0	0.876504	Y
2	IC 480-724422/14	1.0	0.769052	25.0	313373.0	0.769052	Y
3	IC 480-724422/15	2.0	1.851621	25.0	309391.0	0.925811	Y
4	IC 480-724422/16	5.0	4.167665	25.0	342248.0	0.833533	Y
5	IC 480-724422/17	10.0	9.335259	25.0	304081.0	0.933526	Y
6	ICIS 480-724422/18	25.0	21.267601	25.0	352260.0	0.850704	Y
7	IC 480-724422/19	50.0	42.295796	25.0	333821.0	0.845916	Y
8	IC 480-724422/20	100.0	90.301728	25.0	363374.0	0.903017	Y



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Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

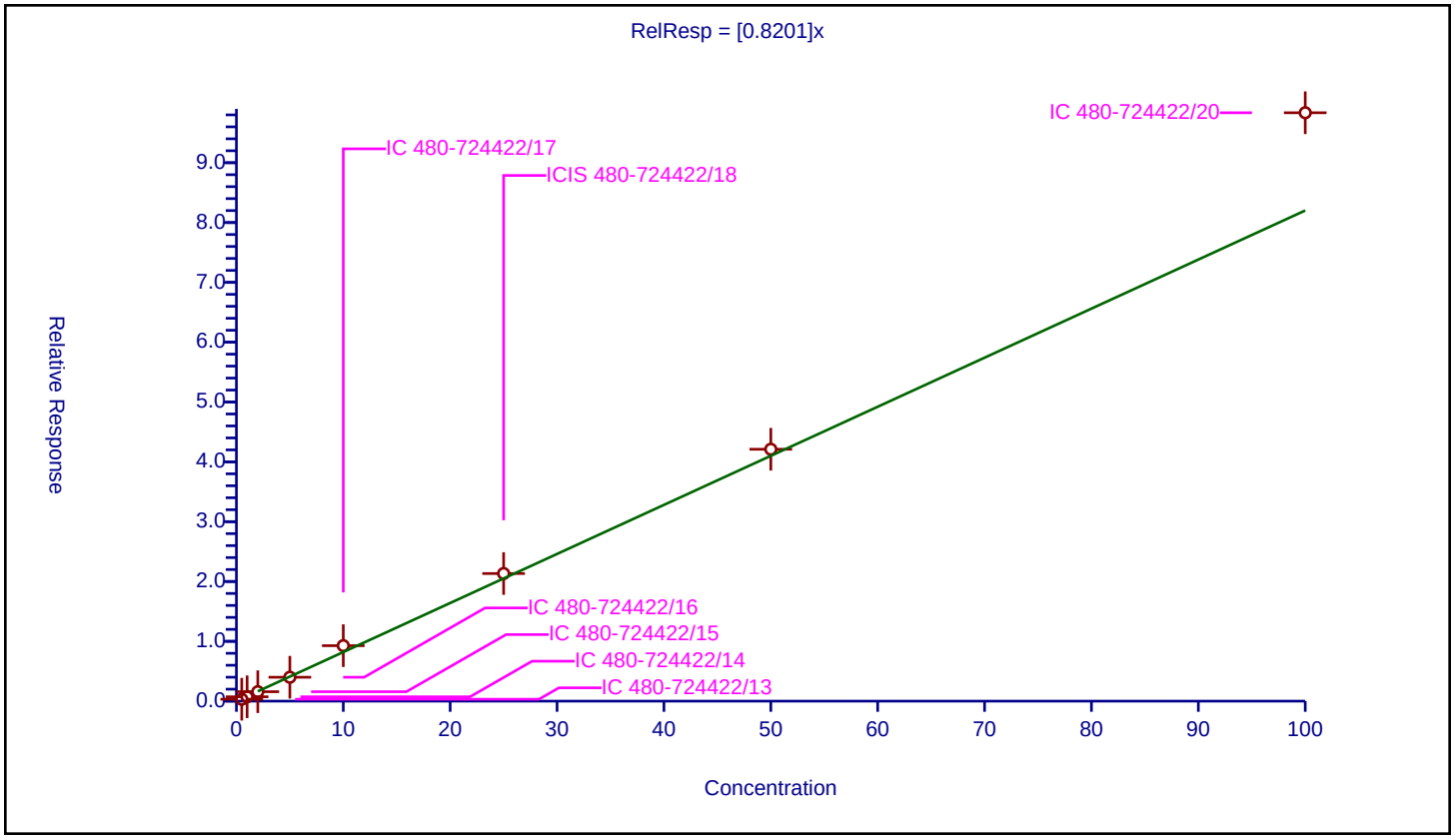
Curve Coefficients

Intercept:	0
Slope:	0.8201

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.319067	25.0	342326.0	0.638134	Y
2	IC 480-724422/14	1.0	0.729961	25.0	313373.0	0.729961	Y
3	IC 480-724422/15	2.0	1.57608	25.0	309391.0	0.78804	Y
4	IC 480-724422/16	5.0	3.993814	25.0	342248.0	0.798763	Y
5	IC 480-724422/17	10.0	9.273434	25.0	304081.0	0.927343	Y
6	ICIS 480-724422/18	25.0	21.332751	25.0	352260.0	0.85331	Y
7	IC 480-724422/19	50.0	42.104077	25.0	333821.0	0.842082	Y
8	IC 480-724422/20	100.0	98.352661	25.0	363374.0	0.983527	Y



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Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

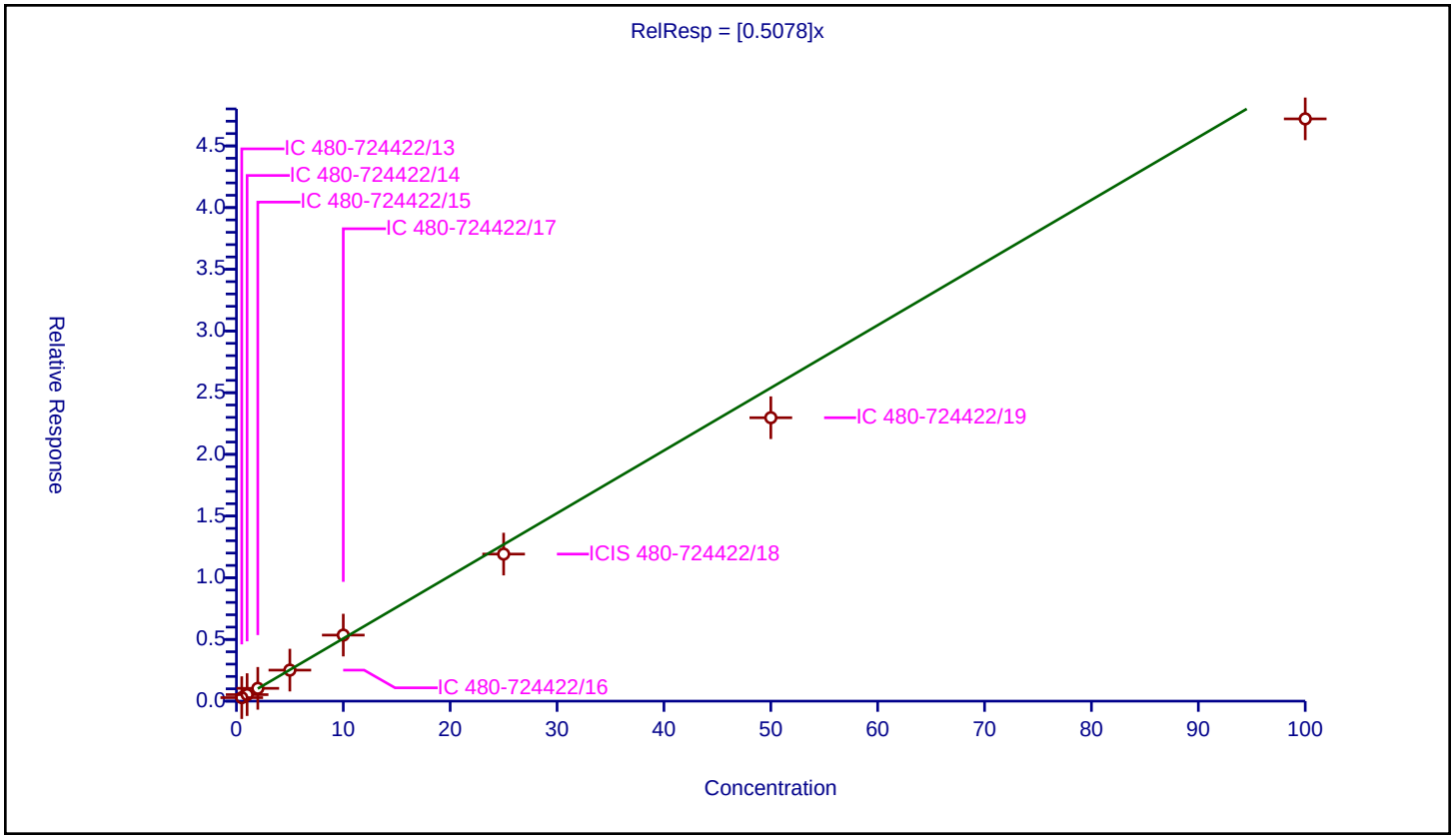
Curve Coefficients

Intercept:	0
Slope:	0.5078

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.284305	25.0	342326.0	0.56861	Y
2	IC 480-724422/14	1.0	0.528843	25.0	313373.0	0.528843	Y
3	IC 480-724422/15	2.0	1.037199	25.0	309391.0	0.518599	Y
4	IC 480-724422/16	5.0	2.513893	25.0	342248.0	0.502779	Y
5	IC 480-724422/17	10.0	5.35211	25.0	304081.0	0.535211	Y
6	ICIS 480-724422/18	25.0	11.918824	25.0	352260.0	0.476753	Y
7	IC 480-724422/19	50.0	22.971742	25.0	333821.0	0.459435	Y
8	IC 480-724422/20	100.0	47.190773	25.0	363374.0	0.471908	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

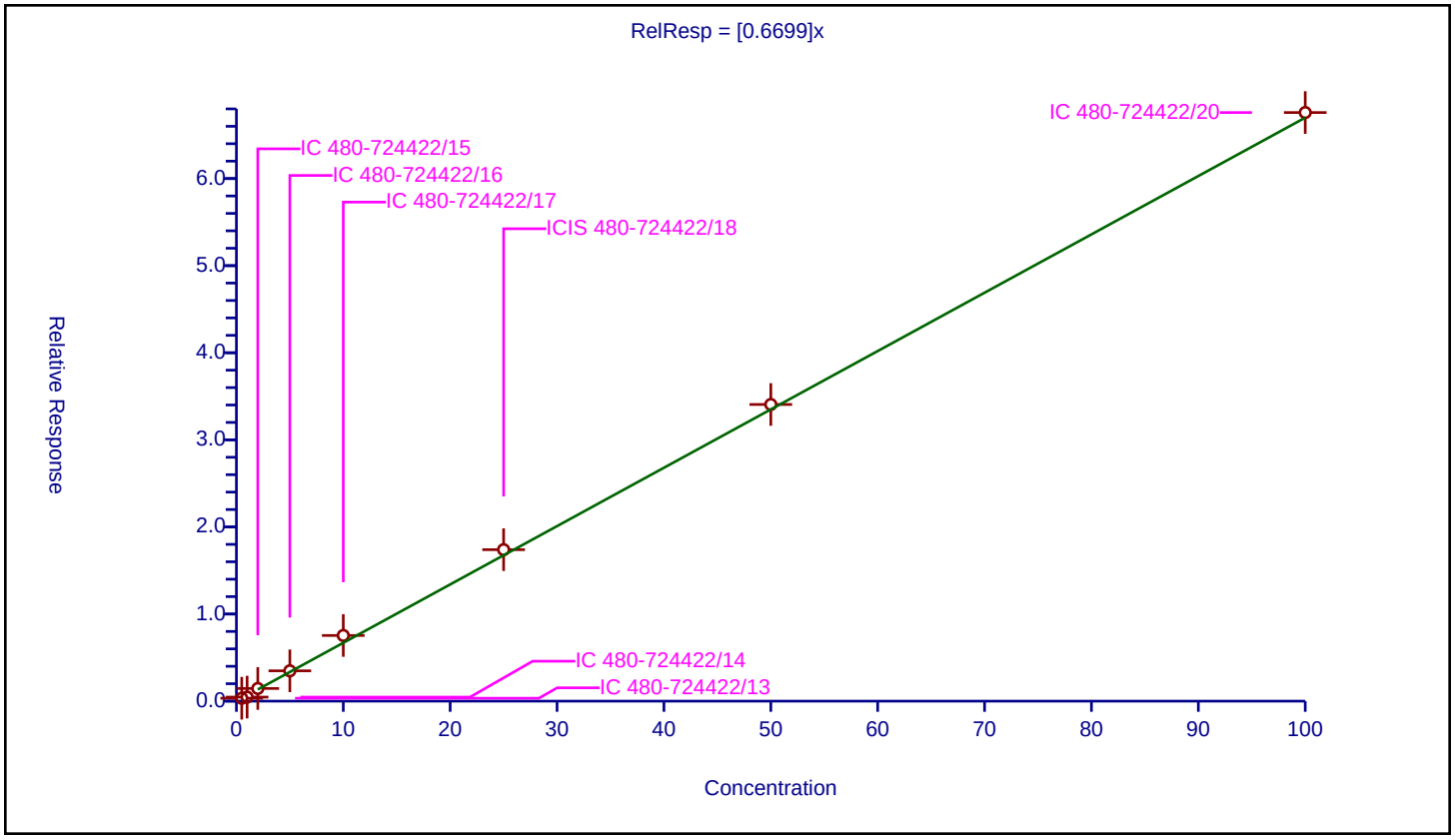
Curve Coefficients

Intercept:	0
Slope:	0.6699

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.333673	25.0	342326.0	0.667346	Y
2	IC 480-724422/14	1.0	0.462548	25.0	313373.0	0.462548	Y
3	IC 480-724422/15	2.0	1.452935	25.0	309391.0	0.726467	Y
4	IC 480-724422/16	5.0	3.481028	25.0	342248.0	0.696206	Y
5	IC 480-724422/17	10.0	7.538781	25.0	304081.0	0.753878	Y
6	ICIS 480-724422/18	25.0	17.39319	25.0	352260.0	0.695728	Y
7	IC 480-724422/19	50.0	34.060619	25.0	333821.0	0.681212	Y
8	IC 480-724422/20	100.0	67.579615	25.0	363374.0	0.675796	Y



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Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

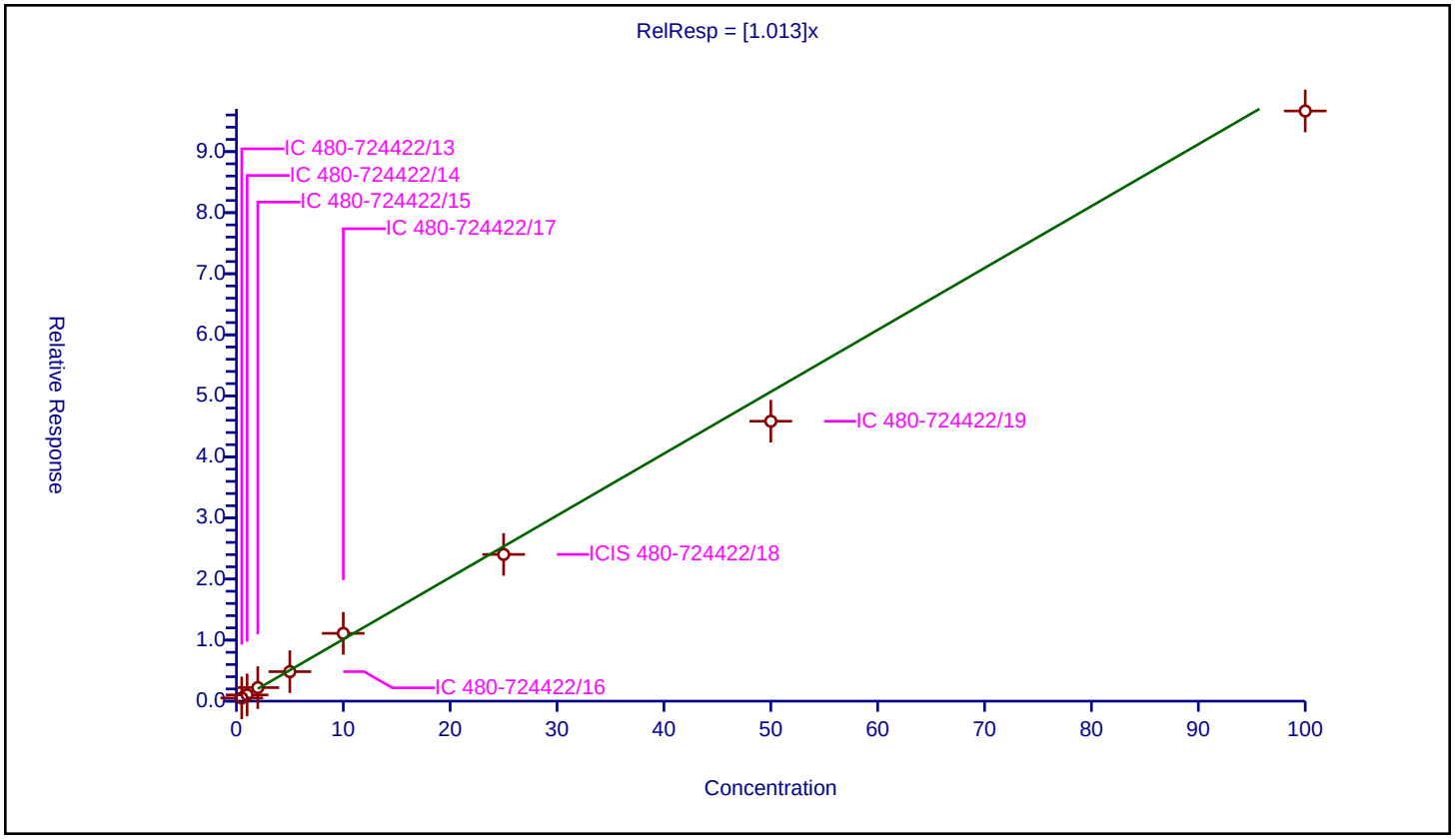
Curve Coefficients

Intercept:	0
Slope:	1.013

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.527494	25.0	342326.0	1.054989	Y
2	IC 480-724422/14	1.0	1.022902	25.0	313373.0	1.022902	Y
3	IC 480-724422/15	2.0	2.21637	25.0	309391.0	1.108185	Y
4	IC 480-724422/16	5.0	4.83005	25.0	342248.0	0.96601	Y
5	IC 480-724422/17	10.0	11.102387	25.0	304081.0	1.110239	Y
6	ICIS 480-724422/18	25.0	24.02792	25.0	352260.0	0.961117	Y
7	IC 480-724422/19	50.0	45.849123	25.0	333821.0	0.916982	Y
8	IC 480-724422/20	100.0	96.65393	25.0	363374.0	0.966539	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

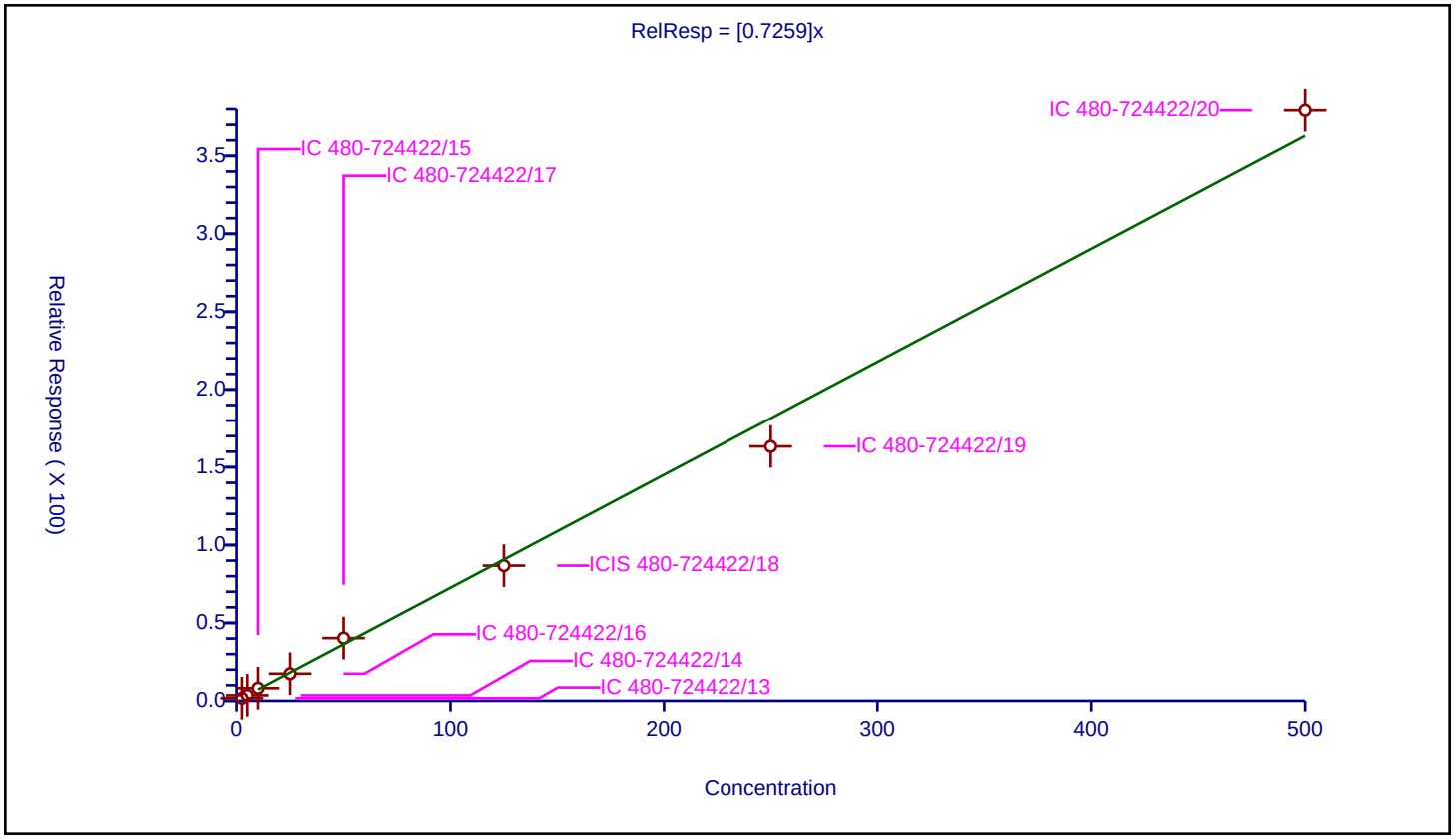
Curve Coefficients

Intercept:	0
Slope:	0.7259

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	2.5	1.692977	25.0	342326.0	0.677191	Y
2	IC 480-724422/14	5.0	3.548168	25.0	313373.0	0.709634	Y
3	IC 480-724422/15	10.0	8.118449	25.0	309391.0	0.811845	Y
4	IC 480-724422/16	25.0	17.404558	25.0	342248.0	0.696182	Y
5	IC 480-724422/17	50.0	40.284332	25.0	304081.0	0.805687	Y
6	ICIS 480-724422/18	125.0	86.789161	25.0	352260.0	0.694313	Y
7	IC 480-724422/19	250.0	163.382546	25.0	333821.0	0.65353	Y
8	IC 480-724422/20	500.0	379.24425	25.0	363374.0	0.758488	Y



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Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

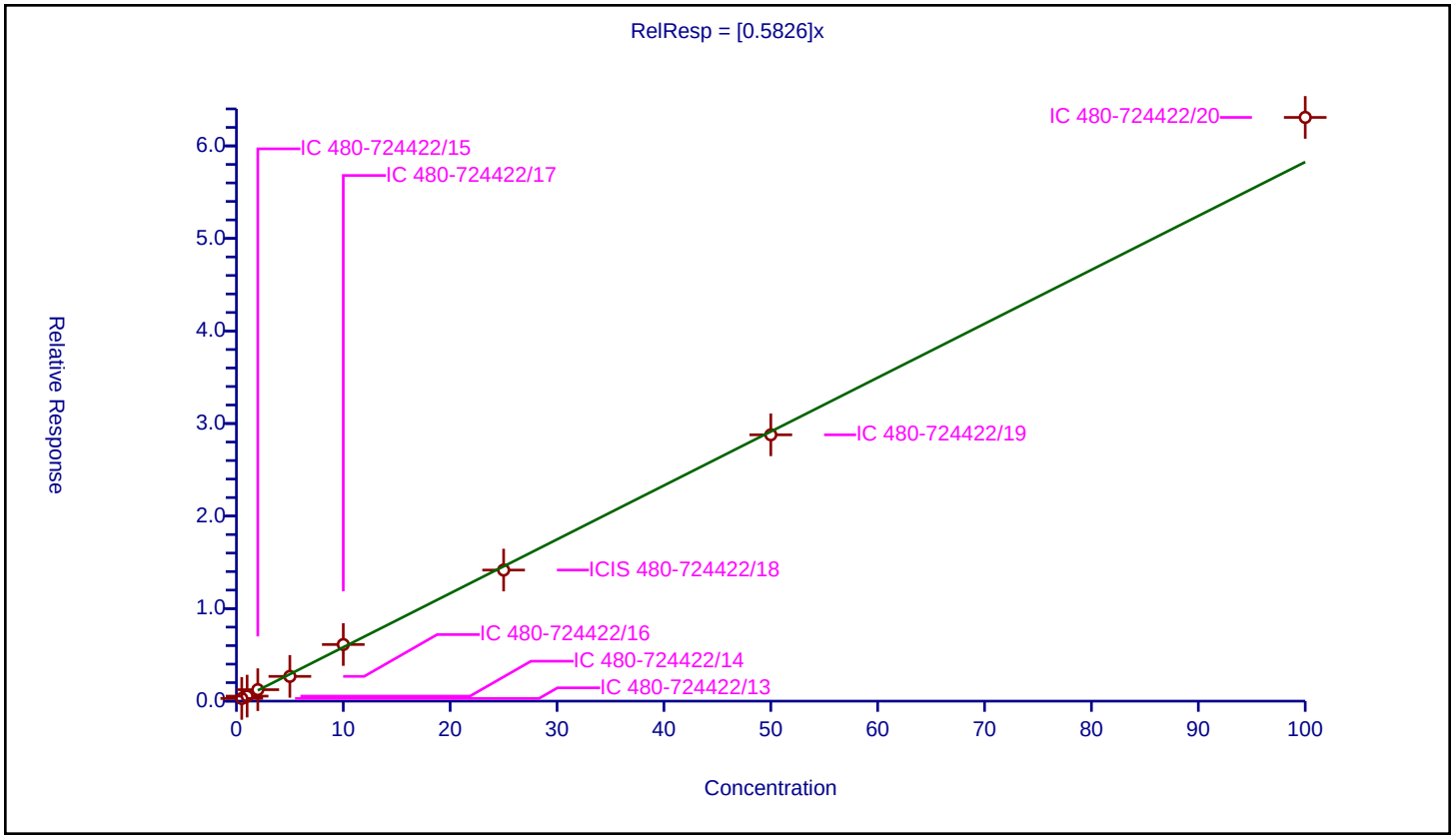
Curve Coefficients

Intercept:	0
Slope:	0.5826

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.29022	25.0	342326.0	0.580441	Y
2	IC 480-724422/14	1.0	0.541128	25.0	313373.0	0.541128	Y
3	IC 480-724422/15	2.0	1.238643	25.0	309391.0	0.619322	Y
4	IC 480-724422/16	5.0	2.674157	25.0	342248.0	0.534831	Y
5	IC 480-724422/17	10.0	6.120409	25.0	304081.0	0.612041	Y
6	ICIS 480-724422/18	25.0	14.165531	25.0	352260.0	0.566621	Y
7	IC 480-724422/19	50.0	28.781218	25.0	333821.0	0.575624	Y
8	IC 480-724422/20	100.0	63.079431	25.0	363374.0	0.630794	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

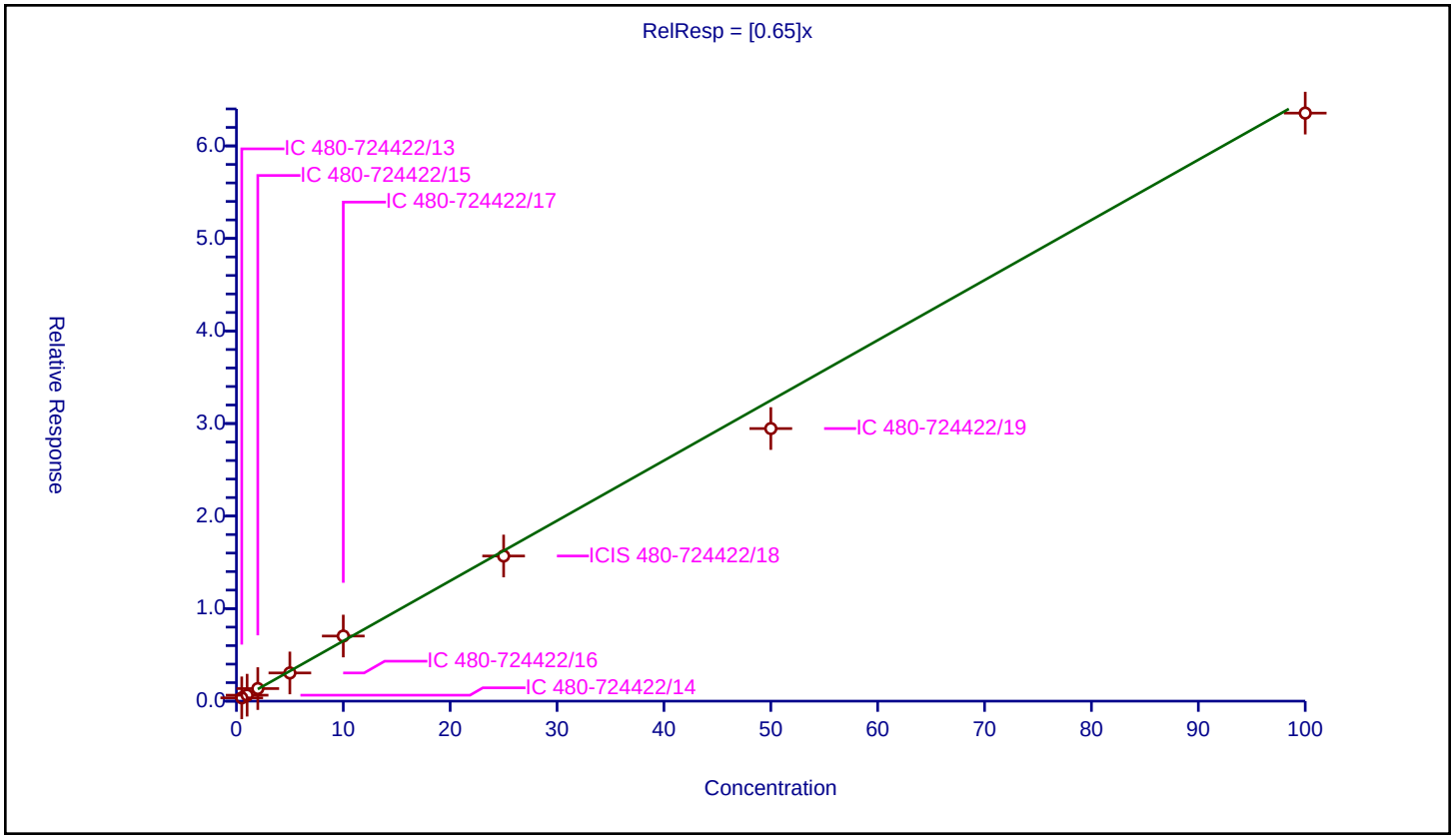
Curve Coefficients

Intercept:	0
Slope:	0.65

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.355582	25.0	342326.0	0.711164	Y
2	IC 480-724422/14	1.0	0.644599	25.0	313373.0	0.644599	Y
3	IC 480-724422/15	2.0	1.357748	25.0	309391.0	0.678874	Y
4	IC 480-724422/16	5.0	3.046694	25.0	342248.0	0.609339	Y
5	IC 480-724422/17	10.0	7.037023	25.0	304081.0	0.703702	Y
6	ICIS 480-724422/18	25.0	15.683799	25.0	352260.0	0.627352	Y
7	IC 480-724422/19	50.0	29.45643	25.0	333821.0	0.589129	Y
8	IC 480-724422/20	100.0	63.546374	25.0	363374.0	0.635464	Y



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Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

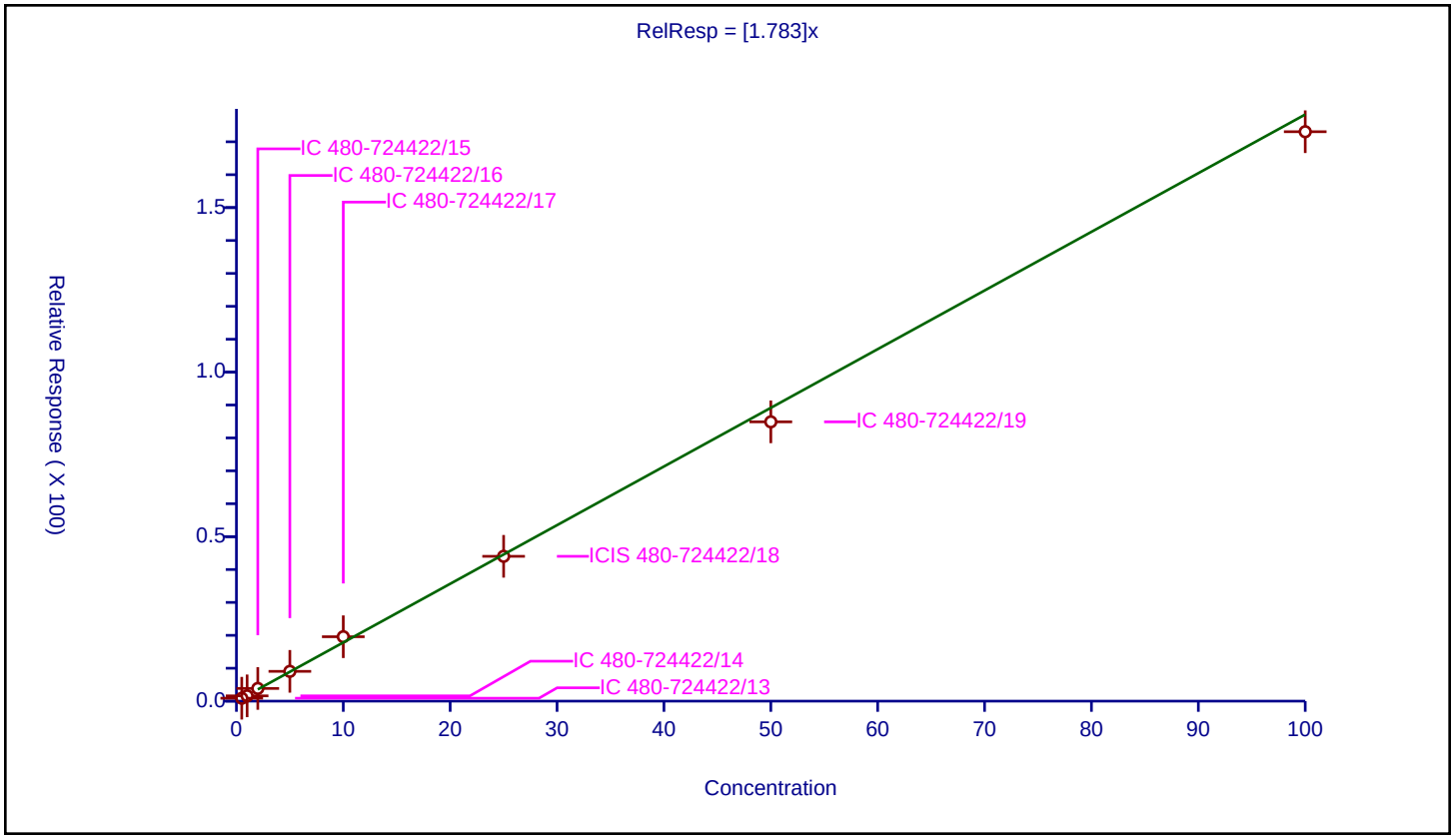
Curve Coefficients

Intercept:	0
Slope:	1.783

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.885705	25.0	342326.0	1.771411	Y
2	IC 480-724422/14	1.0	1.606711	25.0	313373.0	1.606711	Y
3	IC 480-724422/15	2.0	3.85475	25.0	309391.0	1.927375	Y
4	IC 480-724422/16	5.0	9.05491	25.0	342248.0	1.810982	Y
5	IC 480-724422/17	10.0	19.577185	25.0	304081.0	1.957719	Y
6	ICIS 480-724422/18	25.0	44.018126	25.0	352260.0	1.760725	Y
7	IC 480-724422/19	50.0	84.888458	25.0	333821.0	1.697769	Y
8	IC 480-724422/20	100.0	173.060125	25.0	363374.0	1.730601	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

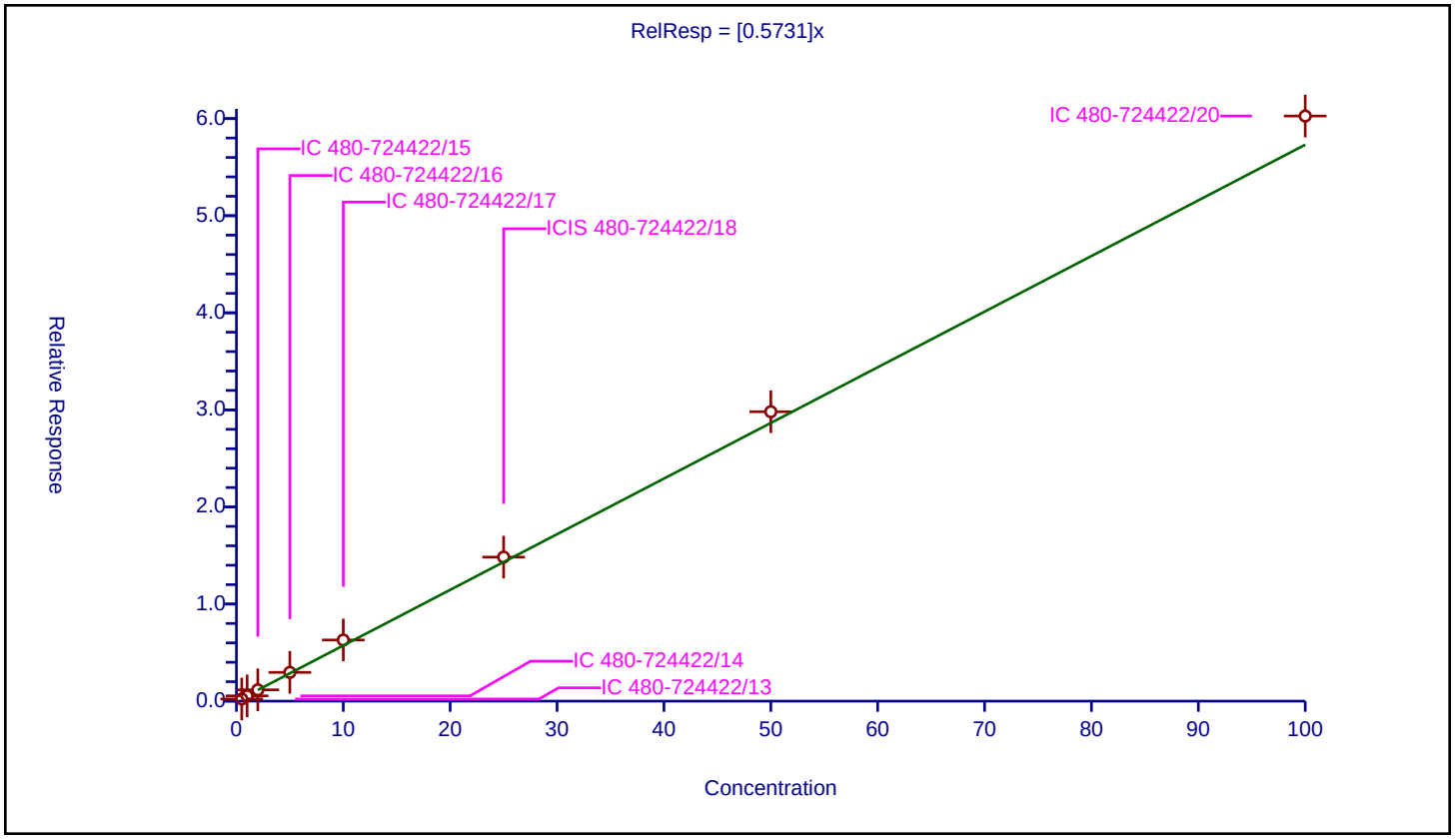
Curve Coefficients

Intercept:	0
Slope:	0.5731

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.22128	25.0	342326.0	0.442561	Y
2	IC 480-724422/14	1.0	0.545596	25.0	313373.0	0.545596	Y
3	IC 480-724422/15	2.0	1.16398	25.0	309391.0	0.58199	Y
4	IC 480-724422/16	5.0	2.962764	25.0	342248.0	0.592553	Y
5	IC 480-724422/17	10.0	6.297006	25.0	304081.0	0.629701	Y
6	ICIS 480-724422/18	25.0	14.833575	25.0	352260.0	0.593343	Y
7	IC 480-724422/19	50.0	29.809239	25.0	333821.0	0.596185	Y
8	IC 480-724422/20	100.0	60.264081	25.0	363374.0	0.602641	Y



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Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

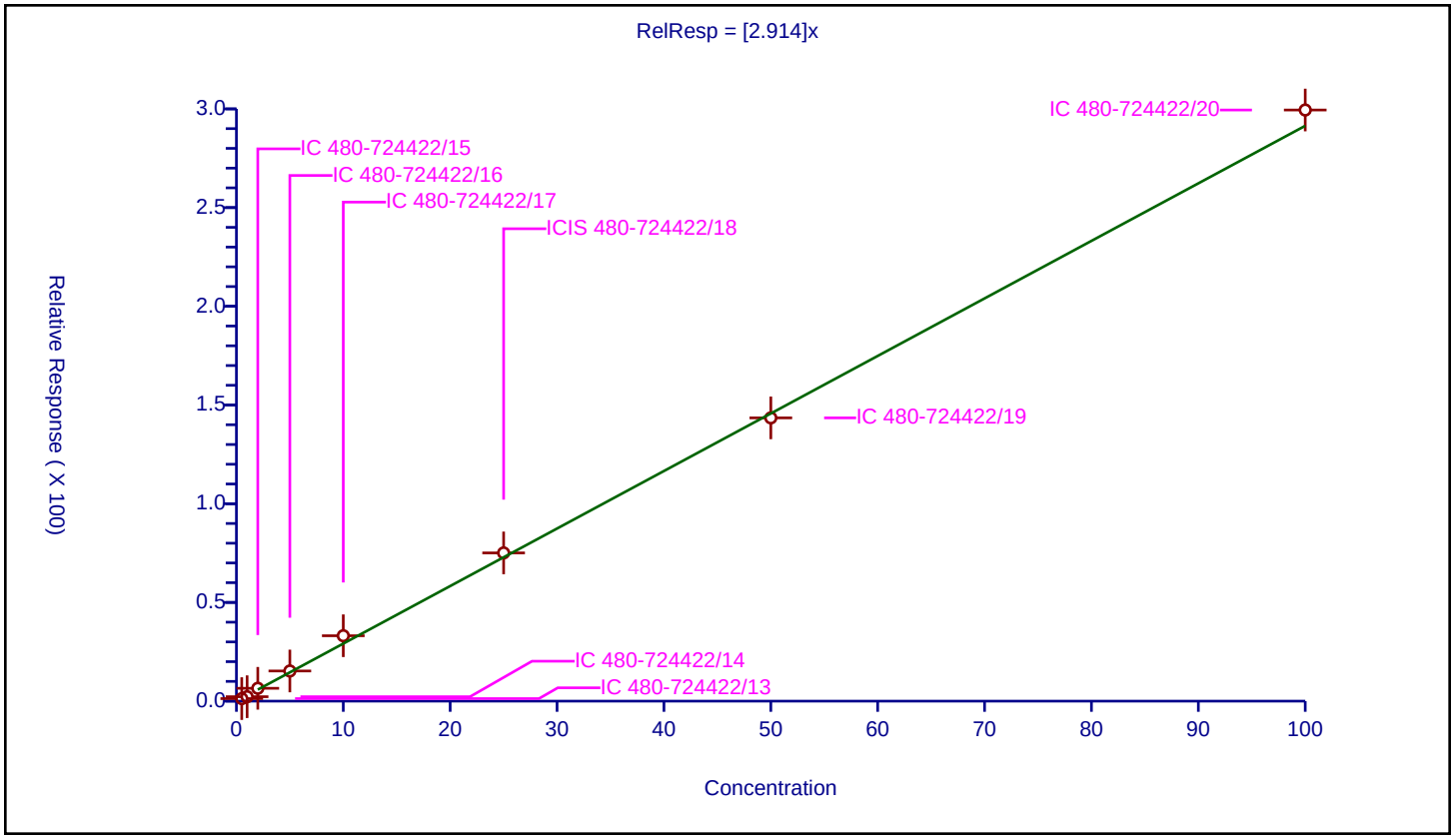
Curve Coefficients

Intercept:	0
Slope:	2.914

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.290802	25.0	342326.0	2.581604	Y
2	IC 480-724422/14	1.0	2.239903	25.0	313373.0	2.239903	Y
3	IC 480-724422/15	2.0	6.513441	25.0	309391.0	3.25672	Y
4	IC 480-724422/16	5.0	15.278102	25.0	342248.0	3.05562	Y
5	IC 480-724422/17	10.0	33.122342	25.0	304081.0	3.312234	Y
6	ICIS 480-724422/18	25.0	75.08339	25.0	352260.0	3.003336	Y
7	IC 480-724422/19	50.0	143.480638	25.0	333821.0	2.869613	Y
8	IC 480-724422/20	100.0	299.434398	25.0	363374.0	2.994344	Y



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Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

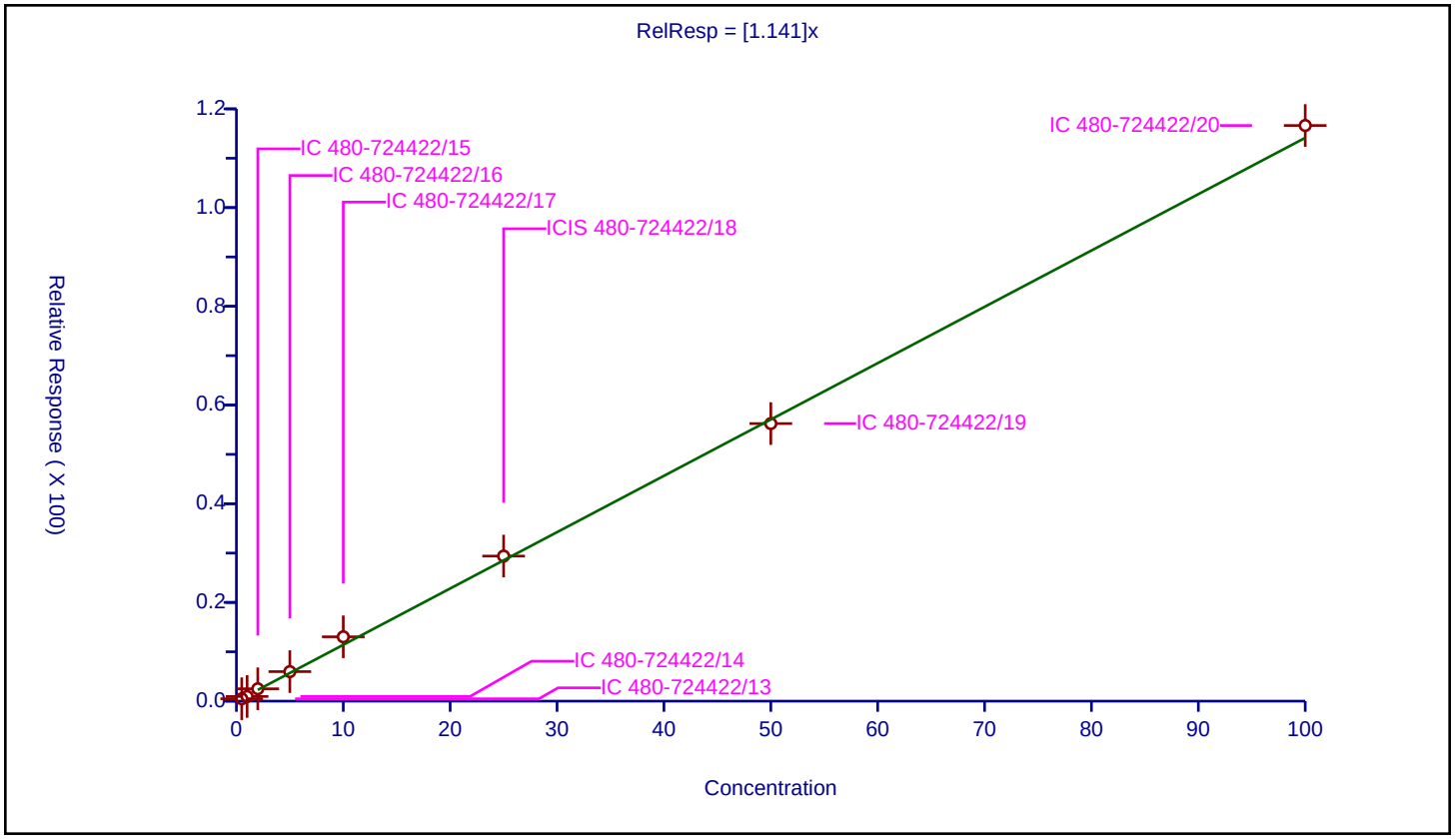
Curve Coefficients

Intercept:	0
Slope:	1.141

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.483165	25.0	342326.0	0.96633	Y
2	IC 480-724422/14	1.0	0.947433	25.0	313373.0	0.947433	Y
3	IC 480-724422/15	2.0	2.500638	25.0	309391.0	1.250319	Y
4	IC 480-724422/16	5.0	5.981408	25.0	342248.0	1.196282	Y
5	IC 480-724422/17	10.0	13.03378	25.0	304081.0	1.303378	Y
6	ICIS 480-724422/18	25.0	29.392139	25.0	352260.0	1.175686	Y
7	IC 480-724422/19	50.0	56.238074	25.0	333821.0	1.124761	Y
8	IC 480-724422/20	100.0	116.633964	25.0	363374.0	1.16634	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

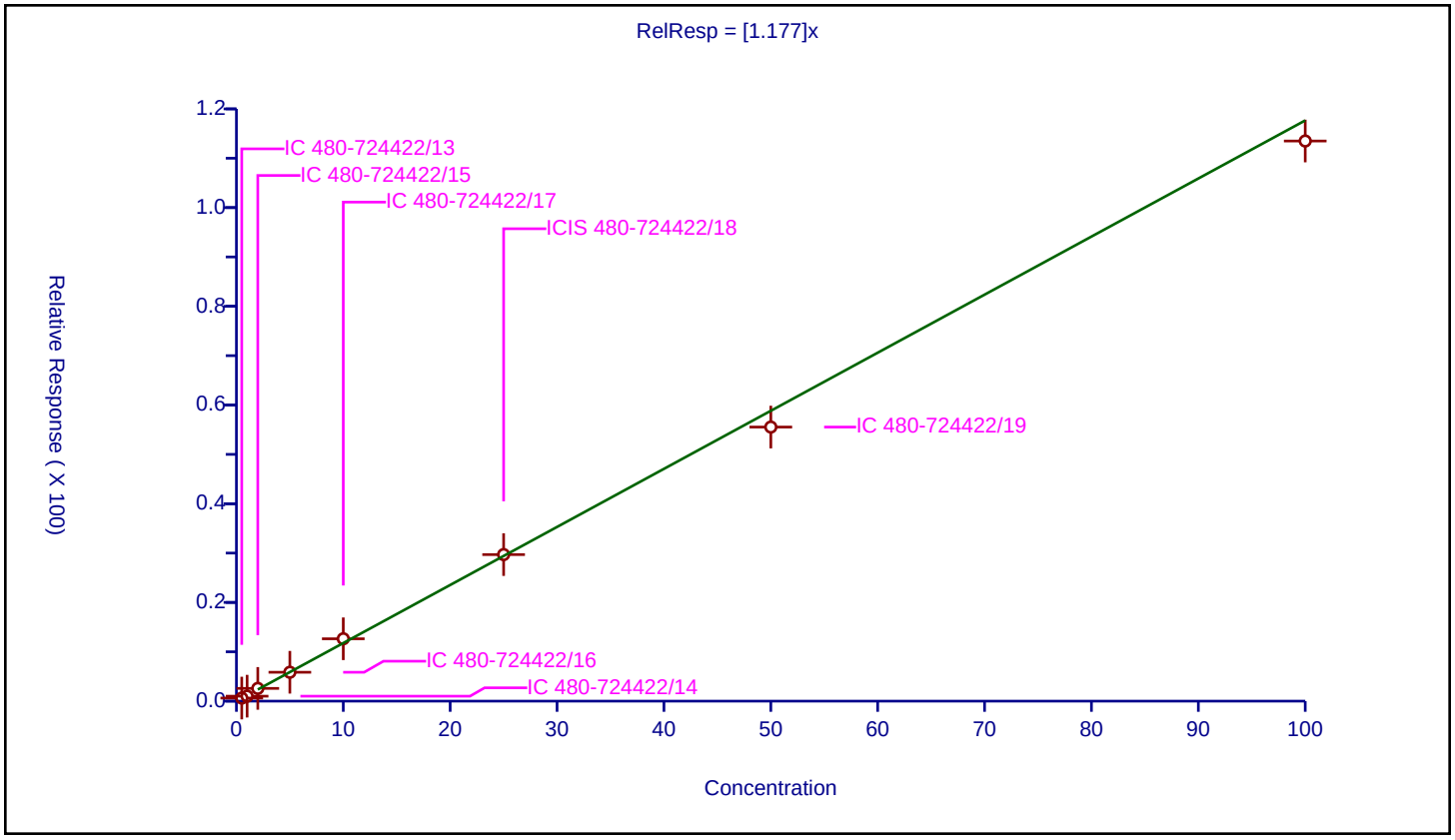
Curve Coefficients

Intercept:	0
Slope:	1.177

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.622725	25.0	342326.0	1.24545	Y
2	IC 480-724422/14	1.0	1.008144	25.0	313373.0	1.008144	Y
3	IC 480-724422/15	2.0	2.581685	25.0	309391.0	1.290842	Y
4	IC 480-724422/16	5.0	5.855038	25.0	342248.0	1.171008	Y
5	IC 480-724422/17	10.0	12.637833	25.0	304081.0	1.263783	Y
6	ICIS 480-724422/18	25.0	29.696034	25.0	352260.0	1.187841	Y
7	IC 480-724422/19	50.0	55.534778	25.0	333821.0	1.110696	Y
8	IC 480-724422/20	100.0	113.492366	25.0	363374.0	1.134924	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

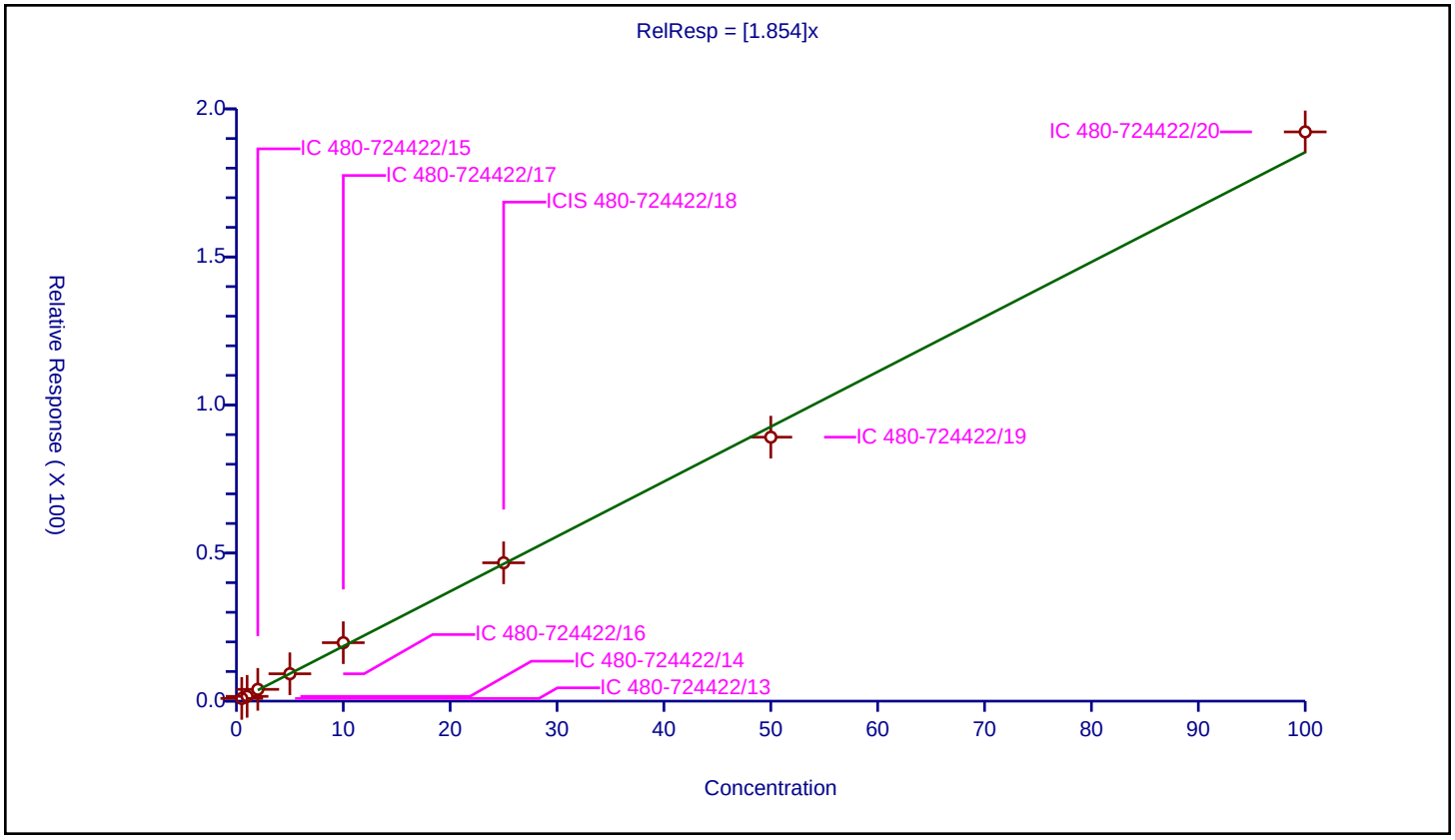
Curve Coefficients

Intercept:	0
Slope:	1.854

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.915356	25.0	342326.0	1.830711	Y
2	IC 480-724422/14	1.0	1.611259	25.0	313373.0	1.611259	Y
3	IC 480-724422/15	2.0	3.982259	25.0	309391.0	1.991129	Y
4	IC 480-724422/16	5.0	9.24264	25.0	342248.0	1.848528	Y
5	IC 480-724422/17	10.0	19.736189	25.0	304081.0	1.973619	Y
6	ICIS 480-724422/18	25.0	46.72252	25.0	352260.0	1.868901	Y
7	IC 480-724422/19	50.0	89.146653	25.0	333821.0	1.782933	Y
8	IC 480-724422/20	100.0	192.22681	25.0	363374.0	1.922268	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

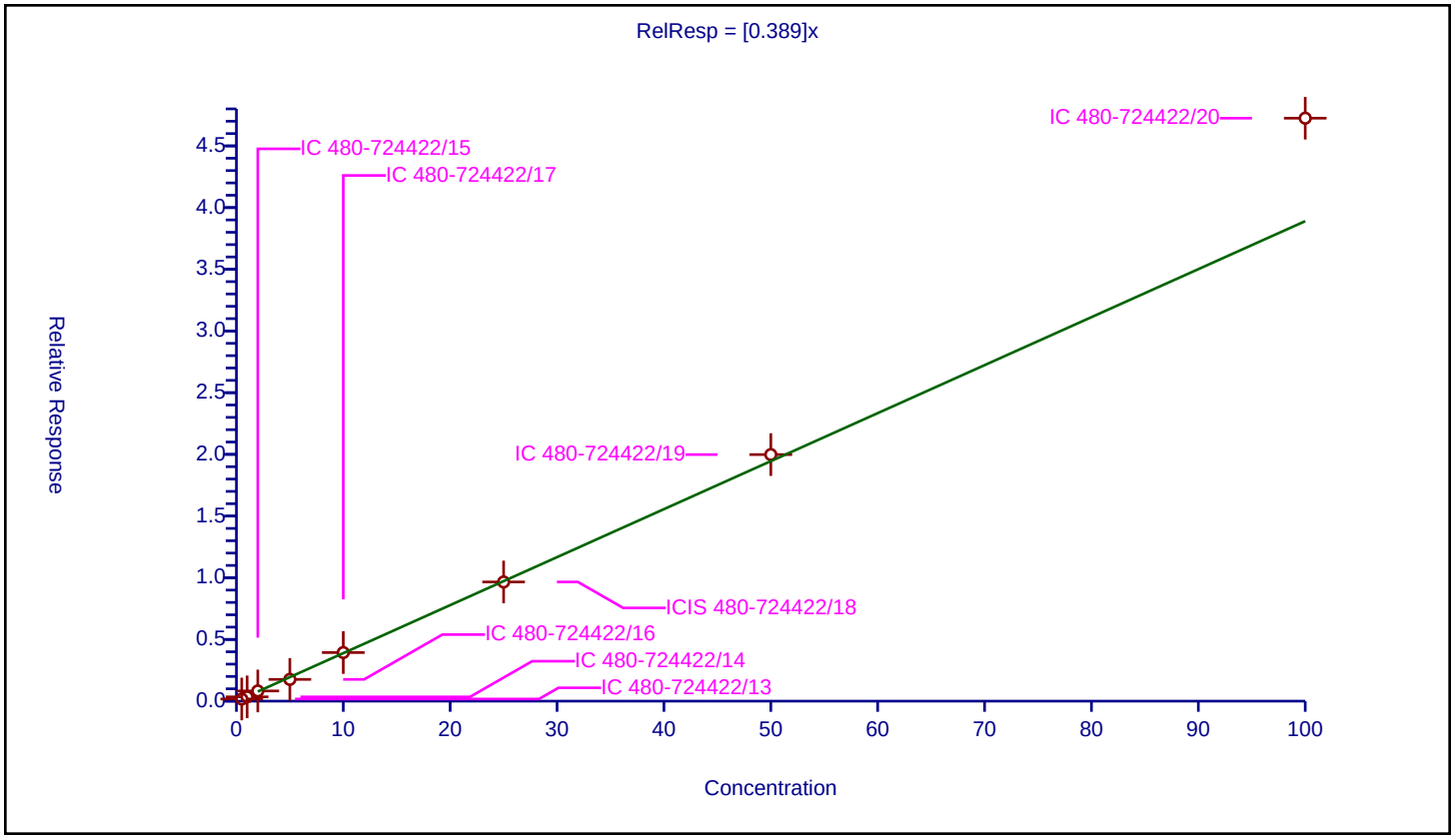
Curve Coefficients

Intercept:	0
Slope:	0.389

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.173519	25.0	342326.0	0.347038	Y
2	IC 480-724422/14	1.0	0.34727	25.0	313373.0	0.34727	Y
3	IC 480-724422/15	2.0	0.826139	25.0	309391.0	0.41307	Y
4	IC 480-724422/16	5.0	1.761588	25.0	342248.0	0.352318	Y
5	IC 480-724422/17	10.0	3.938178	25.0	304081.0	0.393818	Y
6	ICIS 480-724422/18	25.0	9.659272	25.0	352260.0	0.386371	Y
7	IC 480-724422/19	50.0	19.98309	25.0	333821.0	0.399662	Y
8	IC 480-724422/20	100.0	47.24767	25.0	363374.0	0.472477	Y



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Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

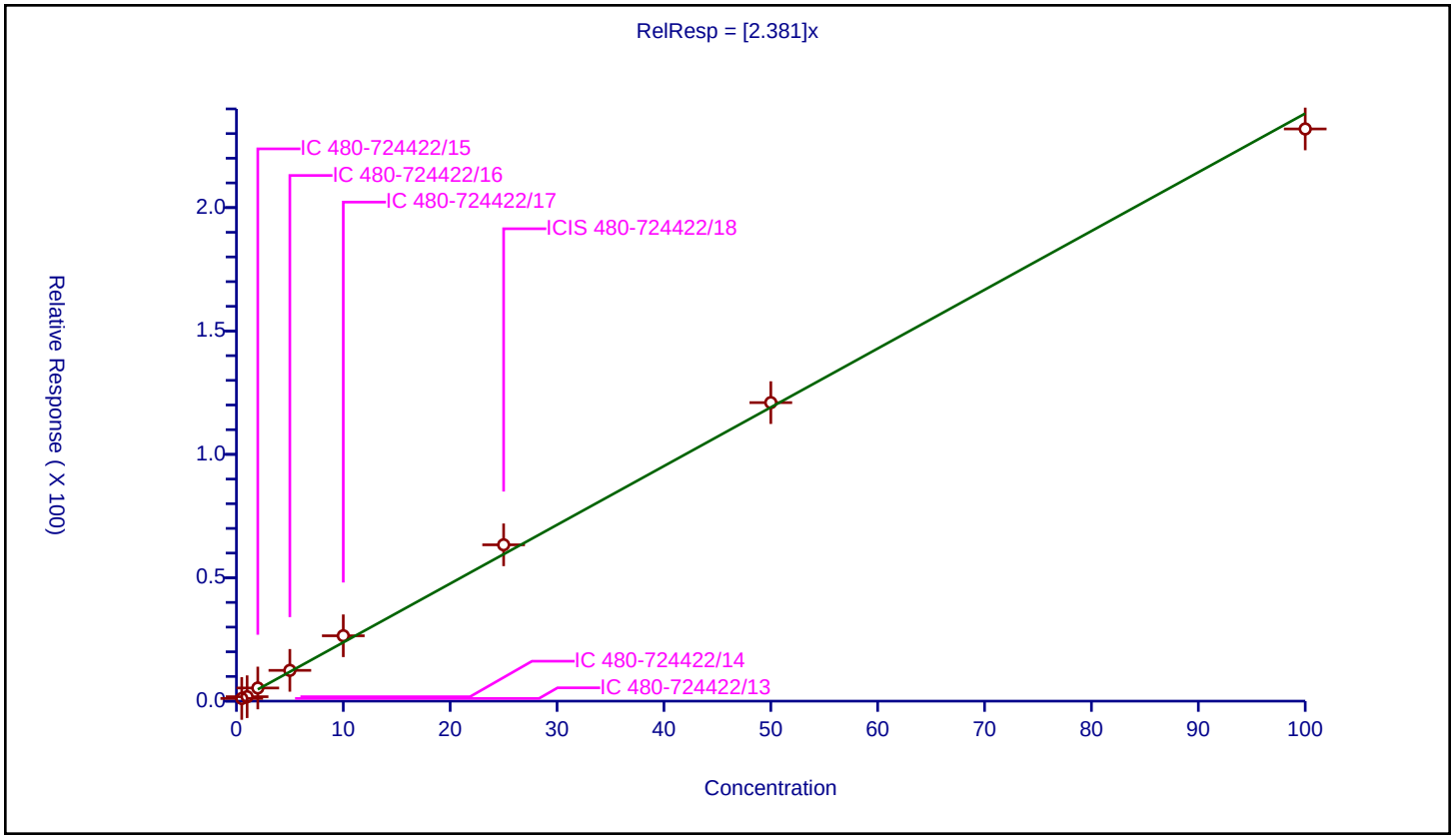
Curve Coefficients

Intercept:	0
Slope:	2.381

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.088126	25.0	368891.0	2.176253	Y
2	IC 480-724422/14	1.0	1.797274	25.0	329193.0	1.797274	Y
3	IC 480-724422/15	2.0	5.326004	25.0	342987.0	2.663002	Y
4	IC 480-724422/16	5.0	12.466612	25.0	378132.0	2.493322	Y
5	IC 480-724422/17	10.0	26.487058	25.0	340017.0	2.648706	Y
6	ICIS 480-724422/18	25.0	63.346006	25.0	380863.0	2.53384	Y
7	IC 480-724422/19	50.0	120.978277	25.0	363992.0	2.419566	Y
8	IC 480-724422/20	100.0	231.876098	25.0	423456.0	2.318761	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

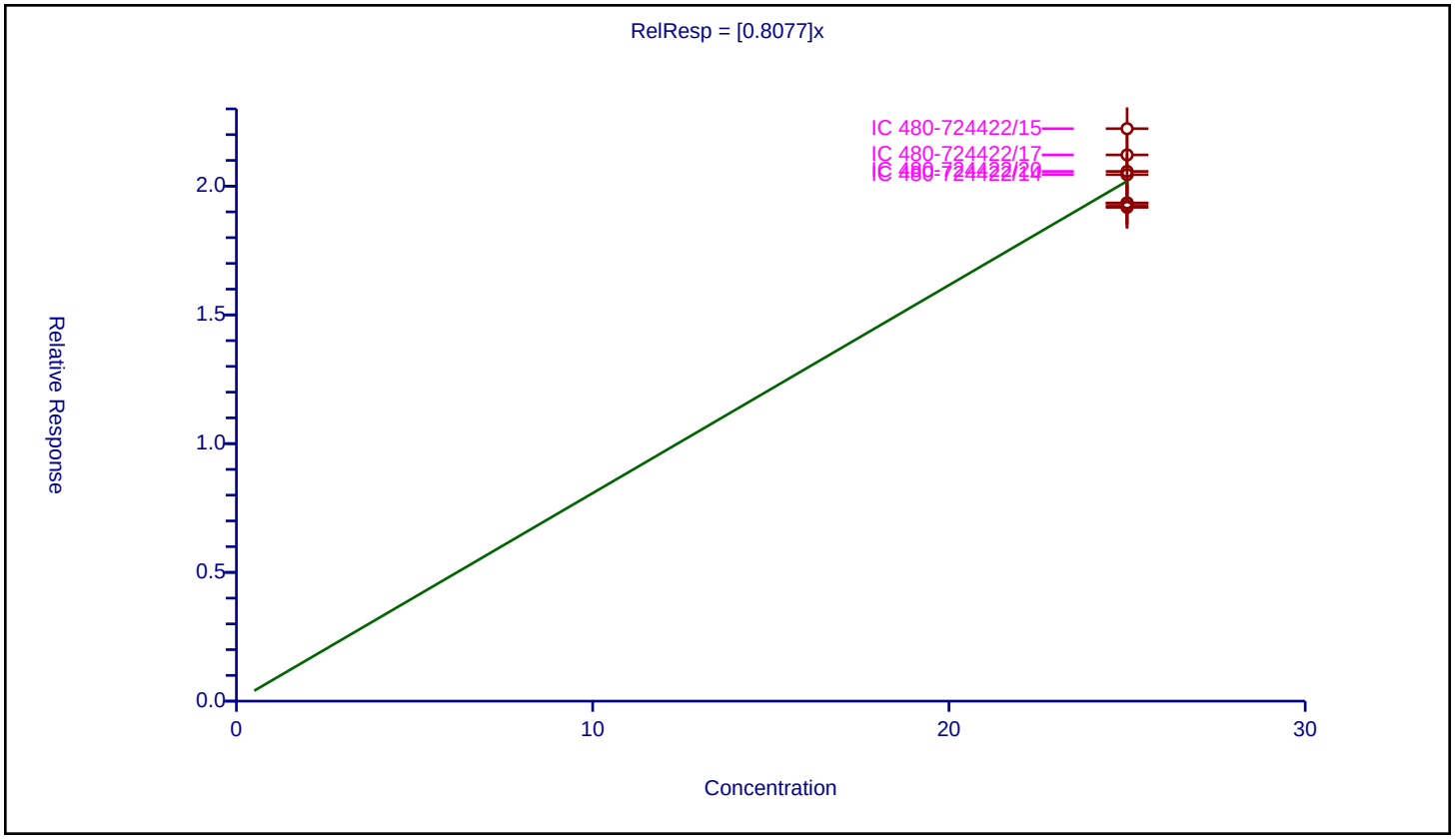
Curve Coefficients

Intercept:	0
Slope:	0.8077

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	25.0	19.175654	25.0	342326.0	0.767026	Y
2	IC 480-724422/14	25.0	20.445204	25.0	313373.0	0.817808	Y
3	IC 480-724422/15	25.0	22.231739	25.0	309391.0	0.88927	Y
4	IC 480-724422/16	25.0	19.338316	25.0	342248.0	0.773533	Y
5	IC 480-724422/17	25.0	21.21244	25.0	304081.0	0.848498	Y
6	ICIS 480-724422/18	25.0	19.349131	25.0	352260.0	0.773965	Y
7	IC 480-724422/19	25.0	19.221754	25.0	333821.0	0.76887	Y
8	IC 480-724422/20	25.0	20.571711	25.0	363374.0	0.822868	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

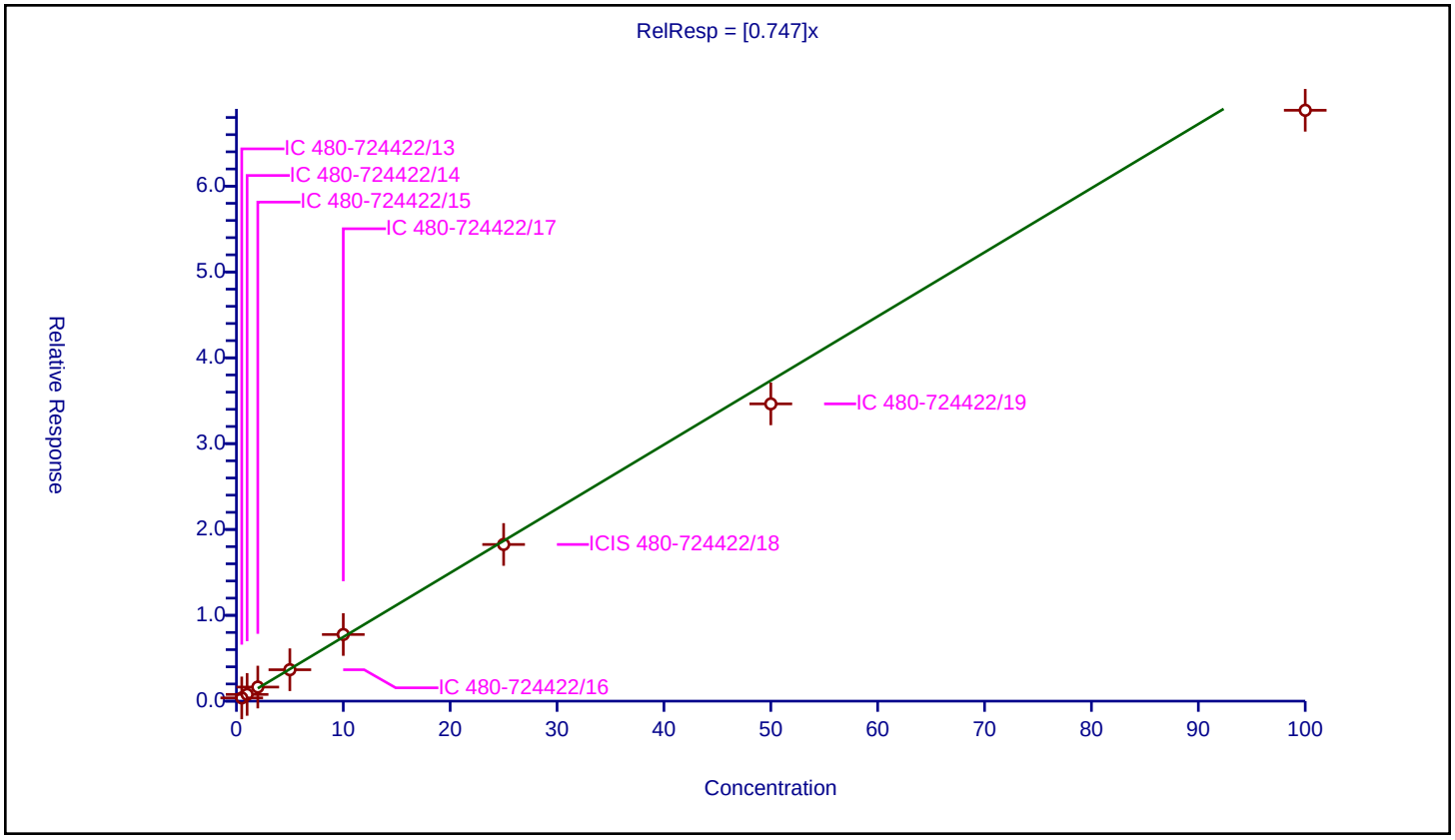
Curve Coefficients

Intercept:	0
Slope:	0.747

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.375721	25.0	368891.0	0.751441	Y
2	IC 480-724422/14	1.0	0.784266	25.0	329193.0	0.784266	Y
3	IC 480-724422/15	2.0	1.640879	25.0	342987.0	0.820439	Y
4	IC 480-724422/16	5.0	3.661288	25.0	378132.0	0.732258	Y
5	IC 480-724422/17	10.0	7.766082	25.0	340017.0	0.776608	Y
6	ICIS 480-724422/18	25.0	18.252429	25.0	380863.0	0.730097	Y
7	IC 480-724422/19	50.0	34.632835	25.0	363992.0	0.692657	Y
8	IC 480-724422/20	100.0	68.837494	25.0	423456.0	0.688375	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

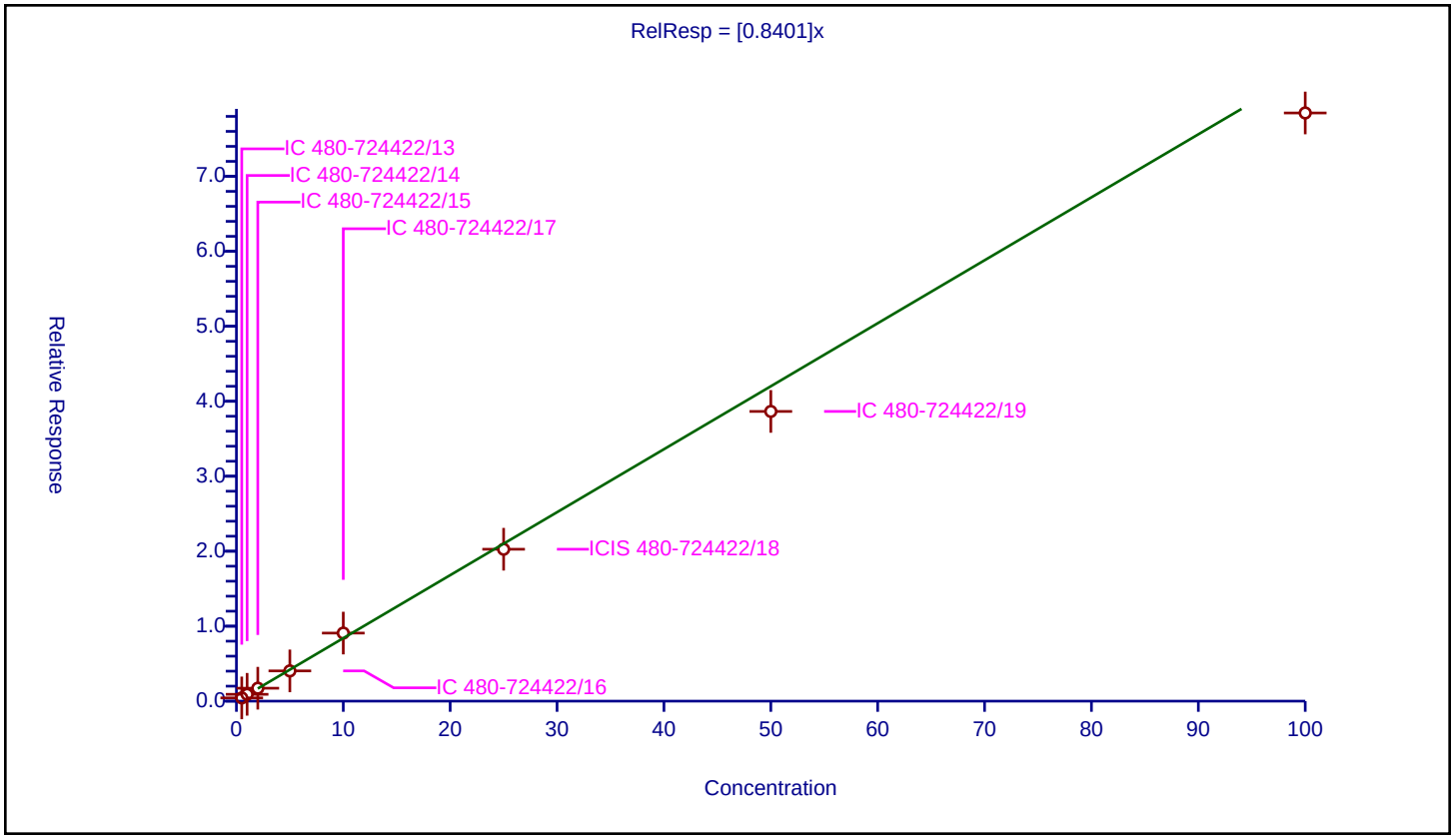
Curve Coefficients

Intercept:	0
Slope:	0.8401

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.432106	25.0	368891.0	0.864212	Y
2	IC 480-724422/14	1.0	0.910712	25.0	329193.0	0.910712	Y
3	IC 480-724422/15	2.0	1.725721	25.0	342987.0	0.862861	Y
4	IC 480-724422/16	5.0	4.033909	25.0	378132.0	0.806782	Y
5	IC 480-724422/17	10.0	9.07962	25.0	340017.0	0.907962	Y
6	ICIS 480-724422/18	25.0	20.262929	25.0	380863.0	0.810517	Y
7	IC 480-724422/19	50.0	38.644737	25.0	363992.0	0.772895	Y
8	IC 480-724422/20	100.0	78.458151	25.0	423456.0	0.784582	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

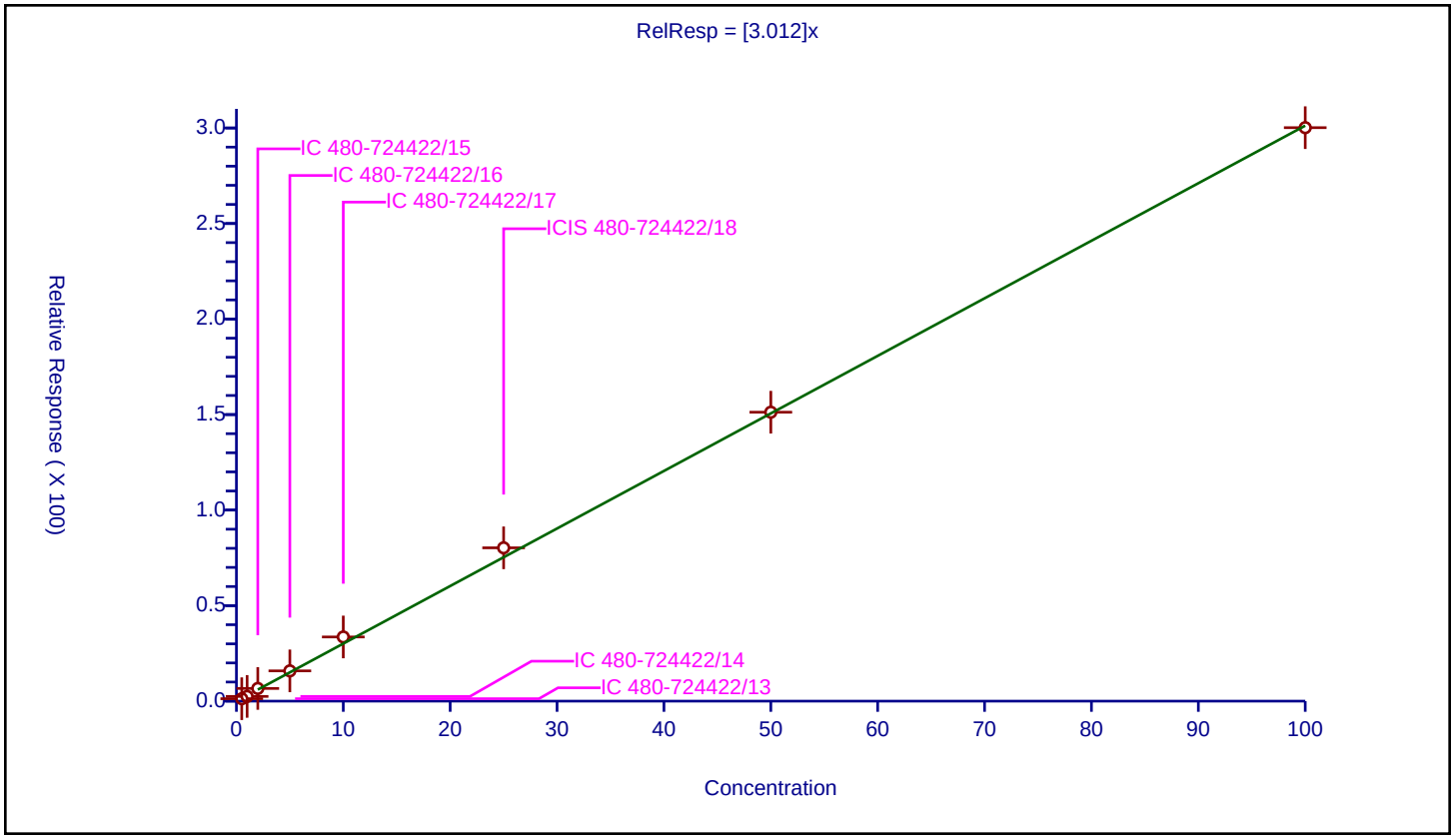
Curve Coefficients

Intercept:	0
Slope:	3.012

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.271514	25.0	368891.0	2.543028	Y
2	IC 480-724422/14	1.0	2.468537	25.0	329193.0	2.468537	Y
3	IC 480-724422/15	2.0	6.641141	25.0	342987.0	3.32057	Y
4	IC 480-724422/16	5.0	15.846649	25.0	378132.0	3.16933	Y
5	IC 480-724422/17	10.0	33.594129	25.0	340017.0	3.359413	Y
6	ICIS 480-724422/18	25.0	80.254777	25.0	380863.0	3.210191	Y
7	IC 480-724422/19	50.0	151.237733	25.0	363992.0	3.024755	Y
8	IC 480-724422/20	100.0	300.169734	25.0	423456.0	3.001697	Y



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Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

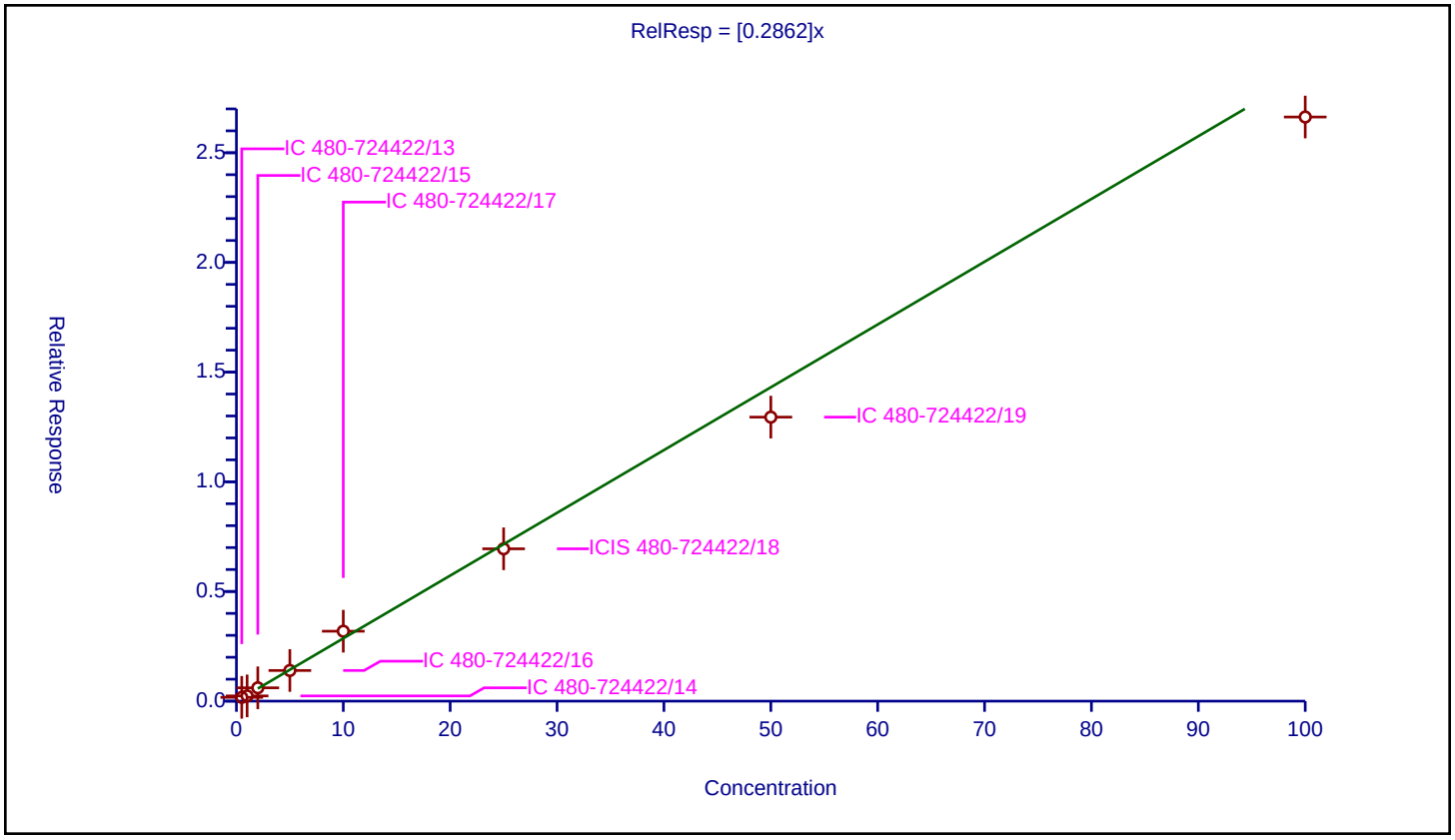
Curve Coefficients

Intercept:	0
Slope:	0.2862

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.17268	25.0	368891.0	0.345359	Y
2	IC 480-724422/14	1.0	0.238918	25.0	329193.0	0.238918	Y
3	IC 480-724422/15	2.0	0.607385	25.0	342987.0	0.303692	Y
4	IC 480-724422/16	5.0	1.397462	25.0	378132.0	0.279492	Y
5	IC 480-724422/17	10.0	3.188076	25.0	340017.0	0.318808	Y
6	ICIS 480-724422/18	25.0	6.944164	25.0	380863.0	0.277767	Y
7	IC 480-724422/19	50.0	12.947537	25.0	363992.0	0.258951	Y
8	IC 480-724422/20	100.0	26.629862	25.0	423456.0	0.266299	Y



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Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

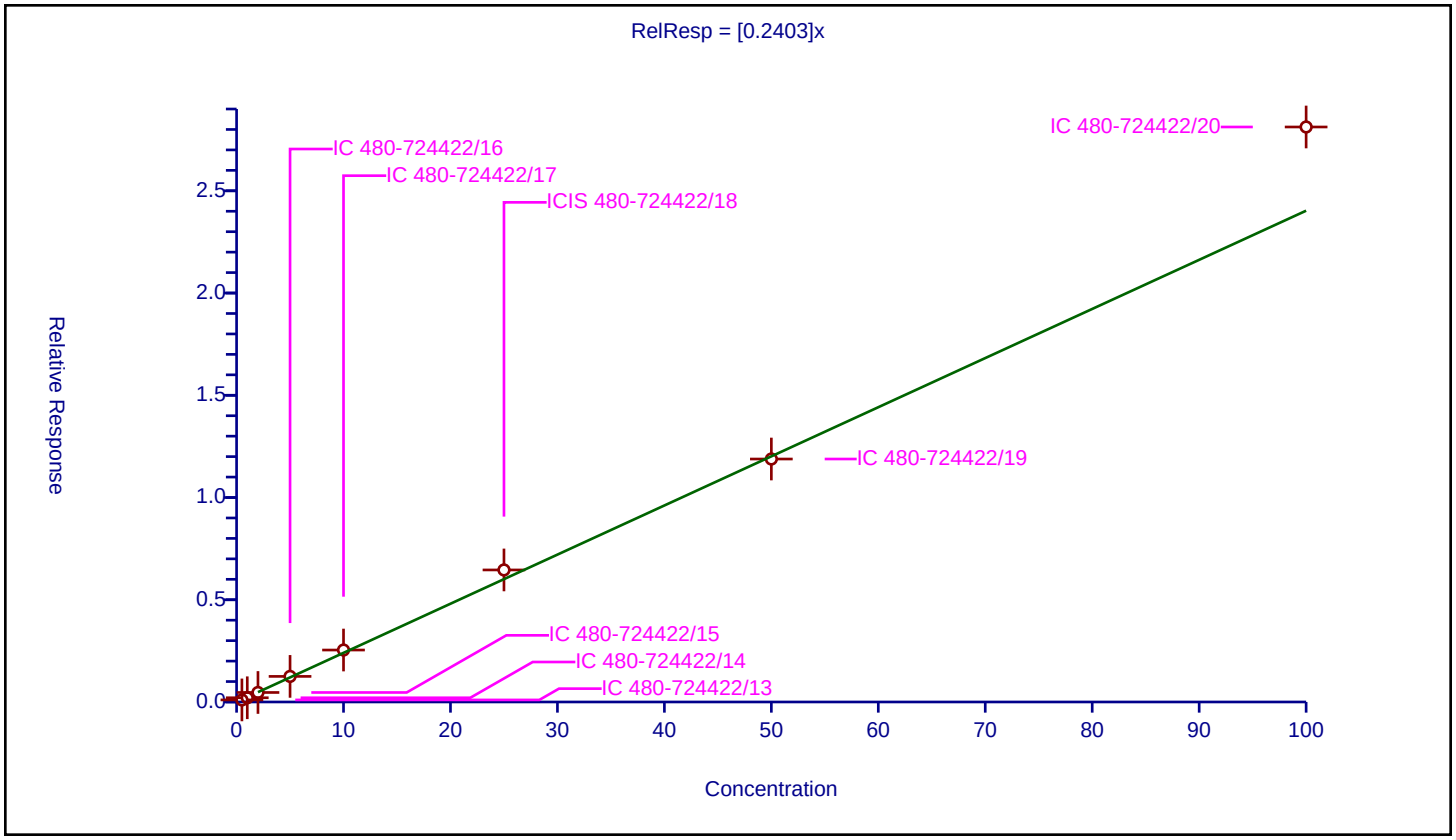
Curve Coefficients

Intercept:	0
Slope:	0.2403

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.100775	25.0	368891.0	0.20155	Y
2	IC 480-724422/14	1.0	0.20687	25.0	329193.0	0.20687	Y
3	IC 480-724422/15	2.0	0.464303	25.0	342987.0	0.232152	Y
4	IC 480-724422/16	5.0	1.251415	25.0	378132.0	0.250283	Y
5	IC 480-724422/17	10.0	2.541123	25.0	340017.0	0.254112	Y
6	ICIS 480-724422/18	25.0	6.458096	25.0	380863.0	0.258324	Y
7	IC 480-724422/19	50.0	11.882541	25.0	363992.0	0.237651	Y
8	IC 480-724422/20	100.0	28.121517	25.0	423456.0	0.281215	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

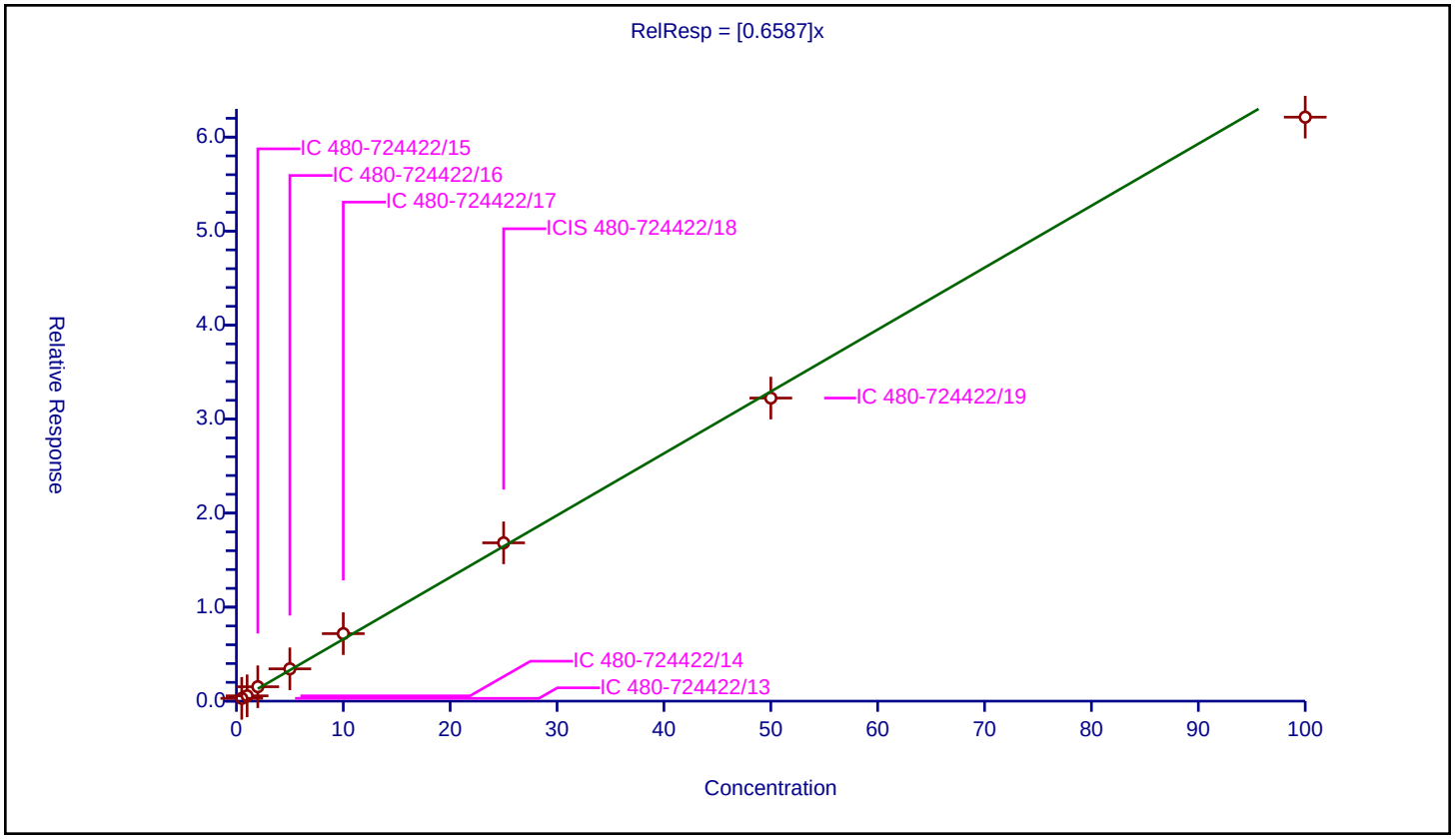
Curve Coefficients

Intercept:	0
Slope:	0.6587

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.29609	25.0	368891.0	0.59218	Y
2	IC 480-724422/14	1.0	0.566233	25.0	329193.0	0.566233	Y
3	IC 480-724422/15	2.0	1.532201	25.0	342987.0	0.7661	Y
4	IC 480-724422/16	5.0	3.437688	25.0	378132.0	0.687538	Y
5	IC 480-724422/17	10.0	7.181332	25.0	340017.0	0.718133	Y
6	ICIS 480-724422/18	25.0	16.839388	25.0	380863.0	0.673576	Y
7	IC 480-724422/19	50.0	32.240544	25.0	363992.0	0.644811	Y
8	IC 480-724422/20	100.0	62.121566	25.0	423456.0	0.621216	Y



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Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

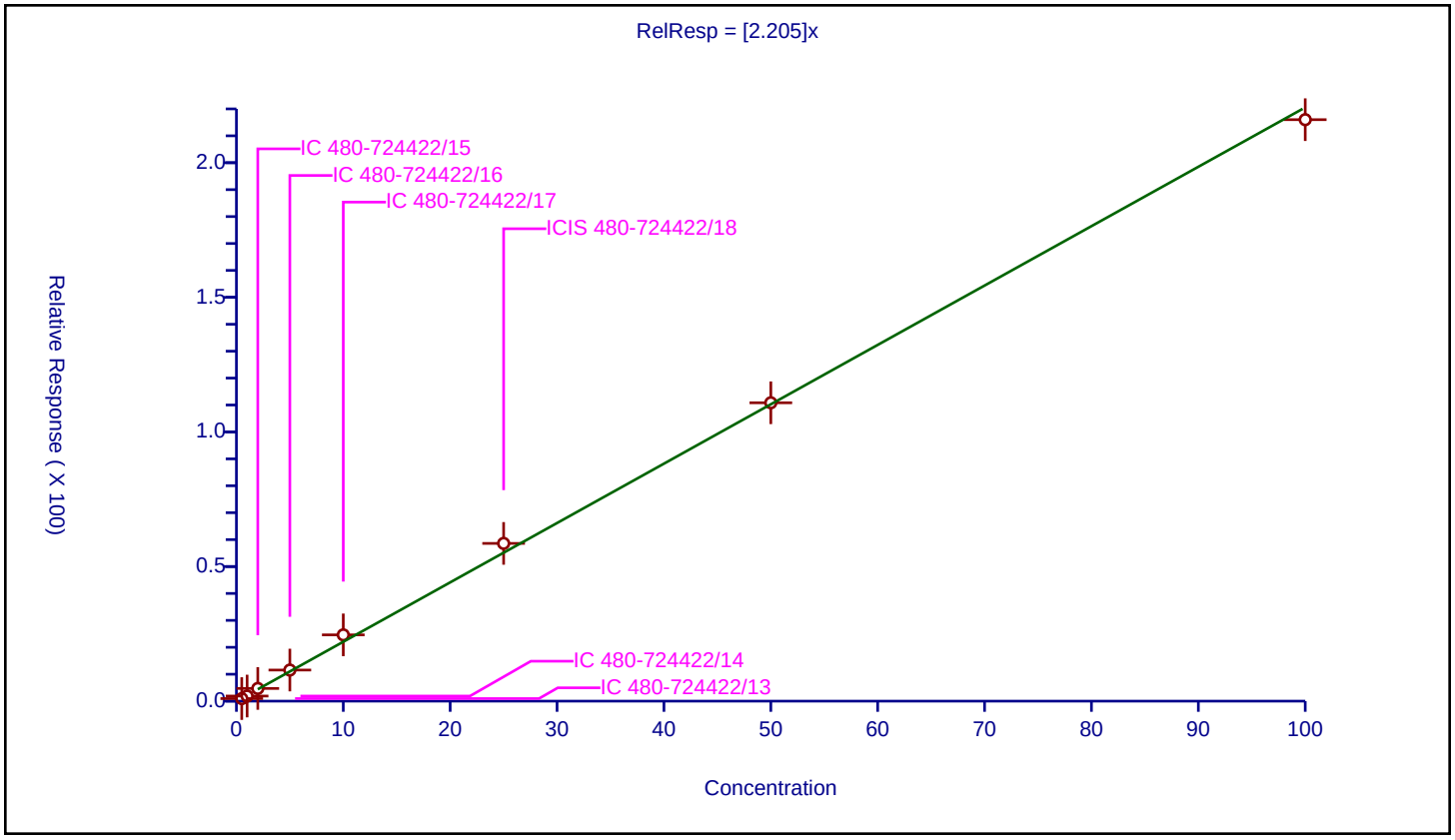
Curve Coefficients

Intercept:	0
Slope:	2.205

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.951297	25.0	368891.0	1.902595	Y
2	IC 480-724422/14	1.0	1.890988	25.0	329193.0	1.890988	Y
3	IC 480-724422/15	2.0	4.715704	25.0	342987.0	2.357852	Y
4	IC 480-724422/16	5.0	11.550398	25.0	378132.0	2.31008	Y
5	IC 480-724422/17	10.0	24.615387	25.0	340017.0	2.461539	Y
6	ICIS 480-724422/18	25.0	58.594166	25.0	380863.0	2.343767	Y
7	IC 480-724422/19	50.0	110.836365	25.0	363992.0	2.216727	Y
8	IC 480-724422/20	100.0	215.988143	25.0	423456.0	2.159881	Y



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Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

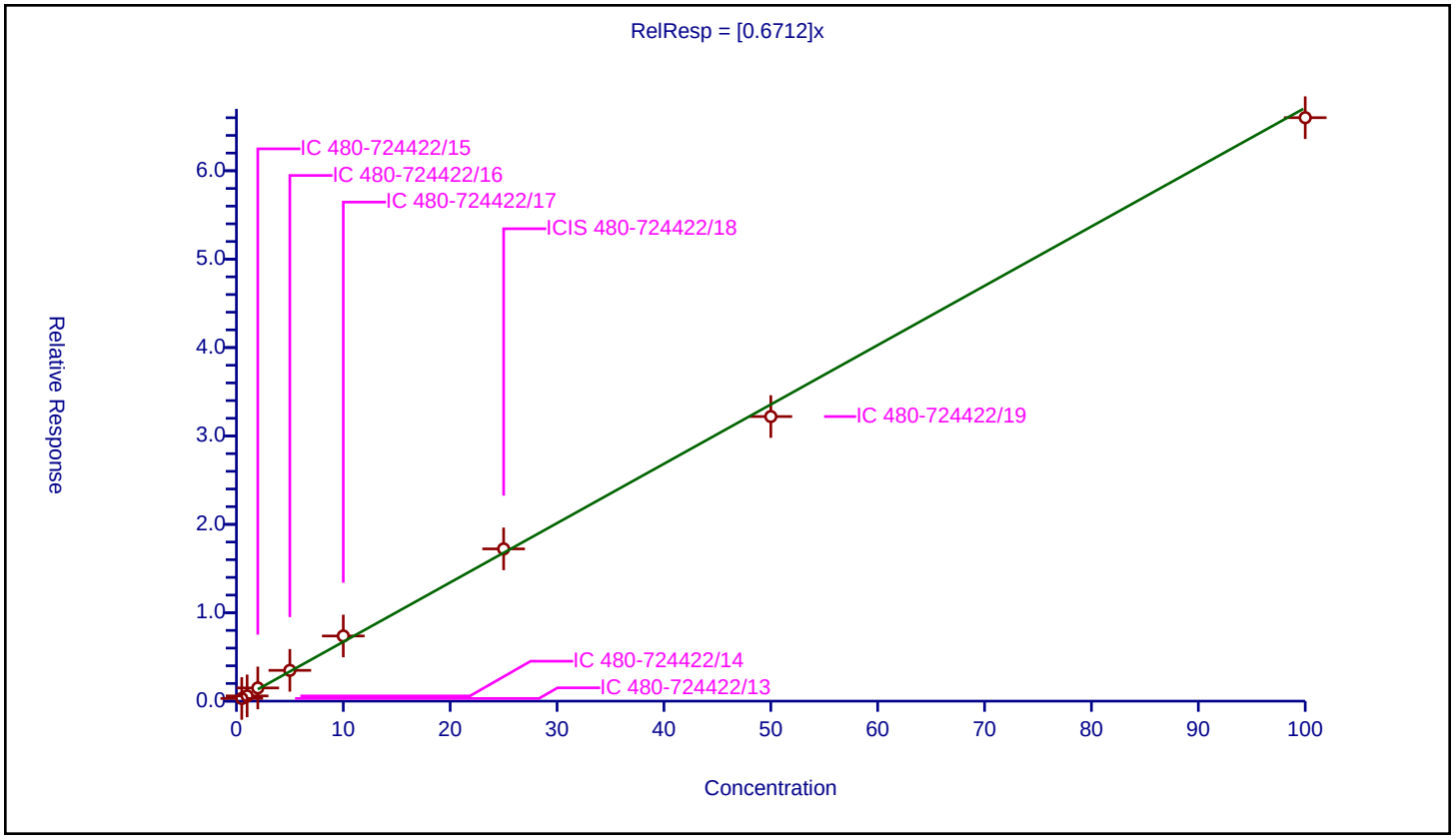
Curve Coefficients

Intercept:	0
Slope:	0.6712

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.303409	25.0	368891.0	0.606819	Y
2	IC 480-724422/14	1.0	0.590915	25.0	329193.0	0.590915	Y
3	IC 480-724422/15	2.0	1.491602	25.0	342987.0	0.745801	Y
4	IC 480-724422/16	5.0	3.480266	25.0	378132.0	0.696053	Y
5	IC 480-724422/17	10.0	7.371396	25.0	340017.0	0.73714	Y
6	ICIS 480-724422/18	25.0	17.224107	25.0	380863.0	0.688964	Y
7	IC 480-724422/19	50.0	32.197548	25.0	363992.0	0.643951	Y
8	IC 480-724422/20	100.0	66.006563	25.0	423456.0	0.660066	Y



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Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

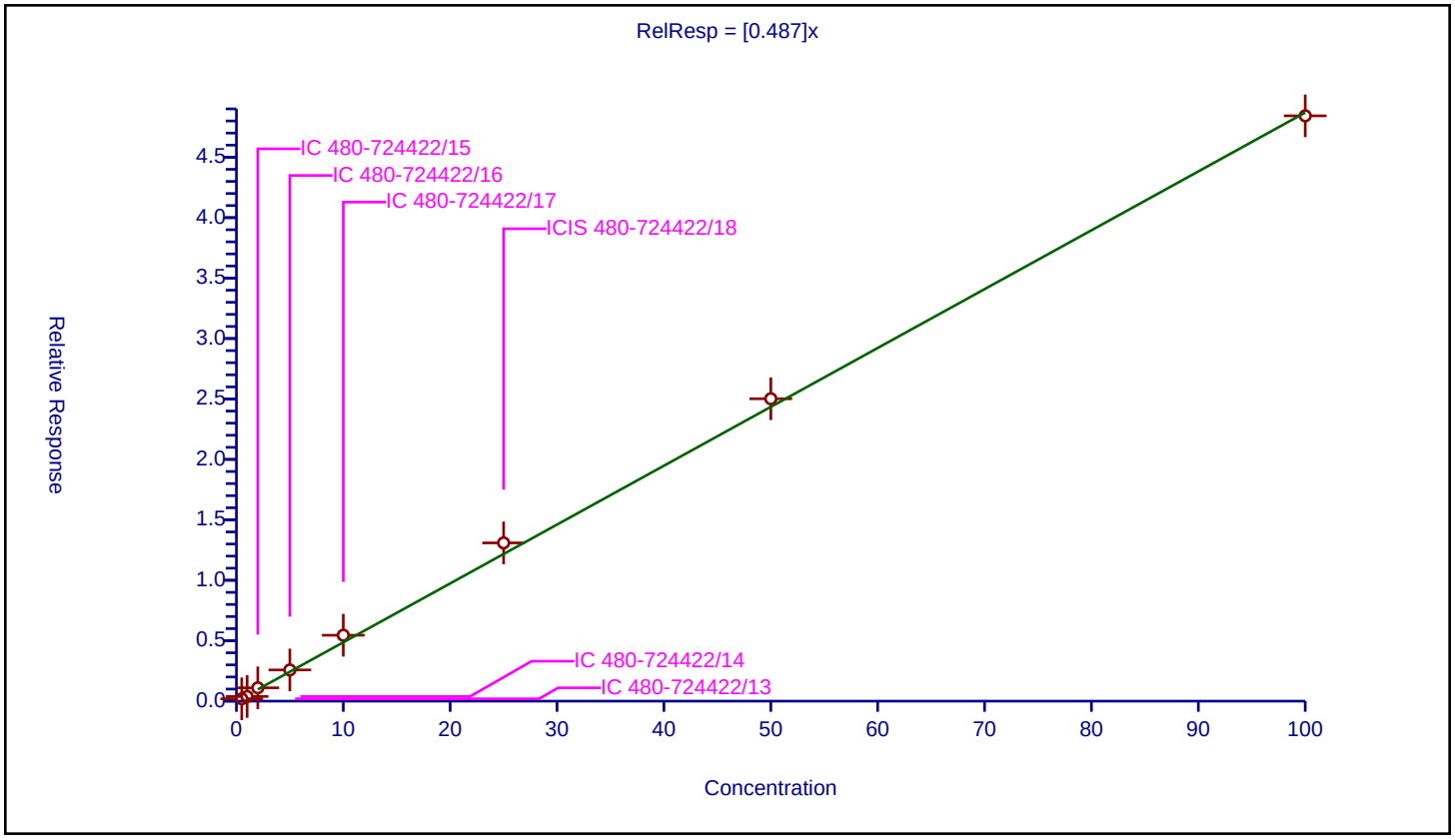
Curve Coefficients

Intercept:	0
Slope:	0.487

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.194841	25.0	368891.0	0.389682	Y
2	IC 480-724422/14	1.0	0.38526	25.0	329193.0	0.38526	Y
3	IC 480-724422/15	2.0	1.10201	25.0	342987.0	0.551005	Y
4	IC 480-724422/16	5.0	2.580911	25.0	378132.0	0.516182	Y
5	IC 480-724422/17	10.0	5.451933	25.0	340017.0	0.545193	Y
6	ICIS 480-724422/18	25.0	13.092634	25.0	380863.0	0.523705	Y
7	IC 480-724422/19	50.0	25.018819	25.0	363992.0	0.500376	Y
8	IC 480-724422/20	100.0	48.425751	25.0	423456.0	0.484258	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

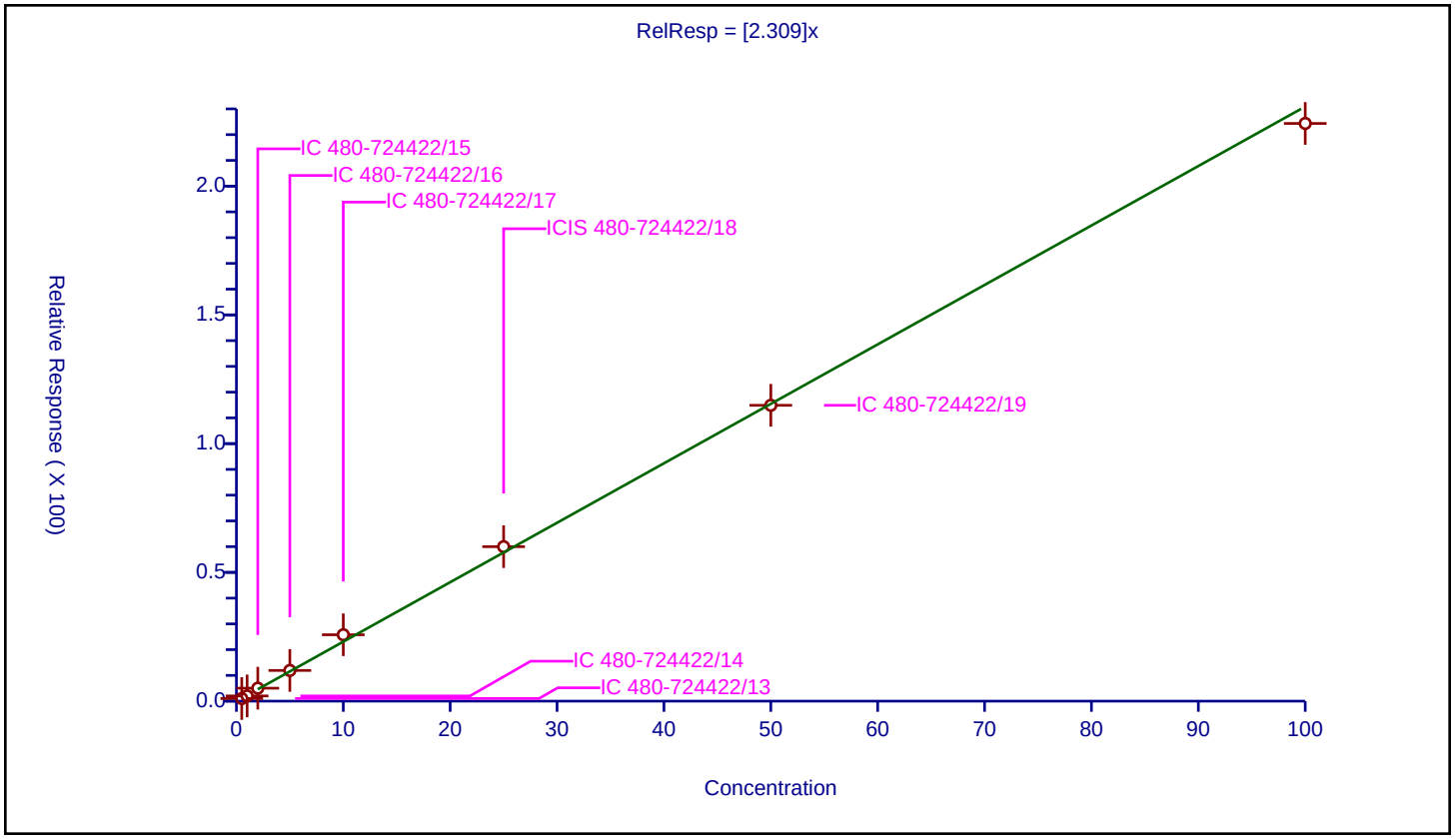
Curve Coefficients

Intercept:	0
Slope:	2.309

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.014121	25.0	368891.0	2.028241	Y
2	IC 480-724422/14	1.0	2.021762	25.0	329193.0	2.021762	Y
3	IC 480-724422/15	2.0	5.034447	25.0	342987.0	2.517224	Y
4	IC 480-724422/16	5.0	11.924407	25.0	378132.0	2.384881	Y
5	IC 480-724422/17	10.0	25.784593	25.0	340017.0	2.578459	Y
6	ICIS 480-724422/18	25.0	59.985283	25.0	380863.0	2.399411	Y
7	IC 480-724422/19	50.0	114.893047	25.0	363992.0	2.297861	Y
8	IC 480-724422/20	100.0	224.343615	25.0	423456.0	2.243436	Y



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Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

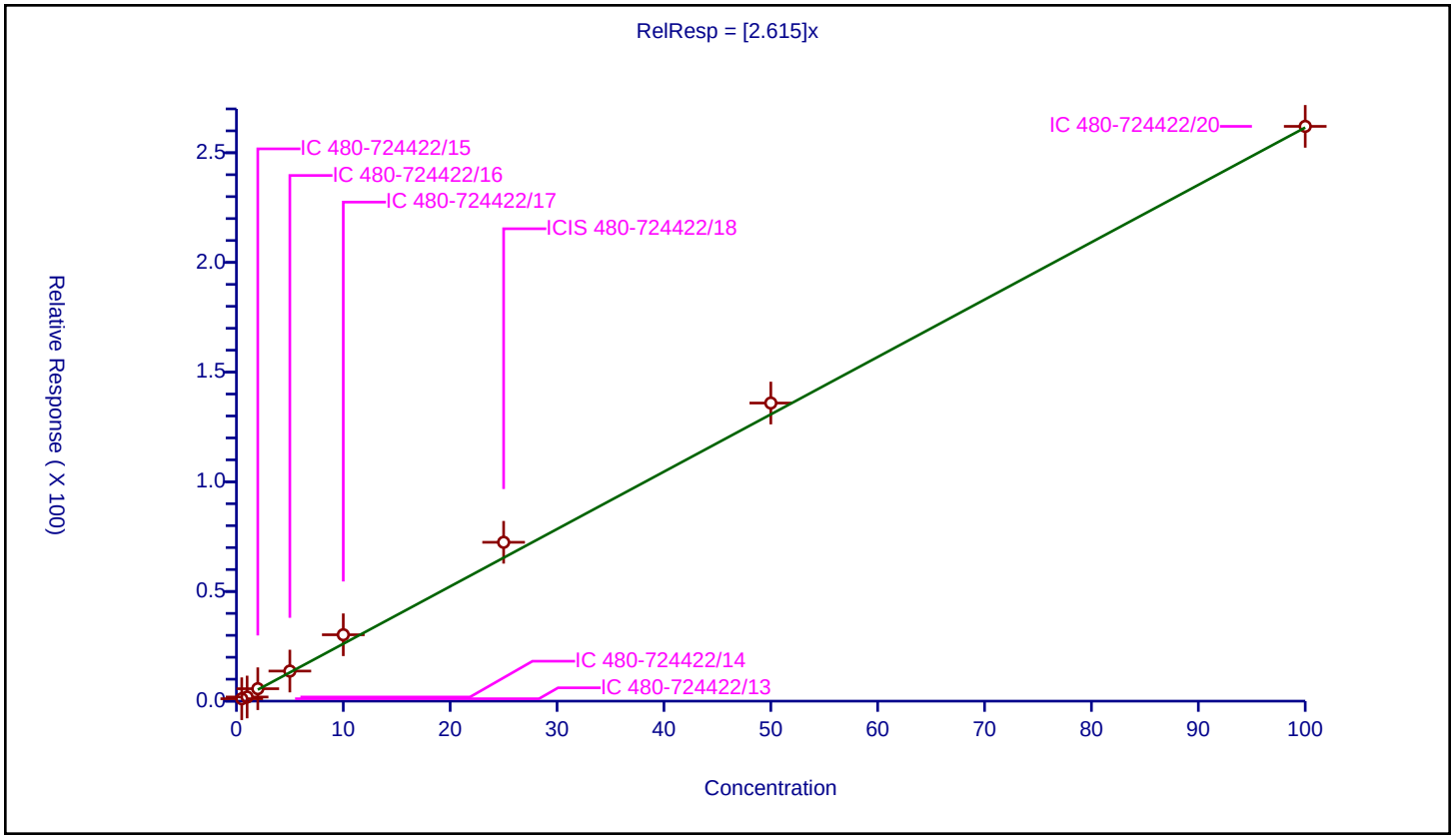
Curve Coefficients

Intercept:	0
Slope:	2.615

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.093955	25.0	368891.0	2.187909	Y
2	IC 480-724422/14	1.0	1.892811	25.0	329193.0	1.892811	Y
3	IC 480-724422/15	2.0	5.670404	25.0	342987.0	2.835202	Y
4	IC 480-724422/16	5.0	13.709168	25.0	378132.0	2.741834	Y
5	IC 480-724422/17	10.0	30.26084	25.0	340017.0	3.026084	Y
6	ICIS 480-724422/18	25.0	72.425846	25.0	380863.0	2.897034	Y
7	IC 480-724422/19	50.0	135.902025	25.0	363992.0	2.718041	Y
8	IC 480-724422/20	100.0	262.039504	25.0	423456.0	2.620395	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

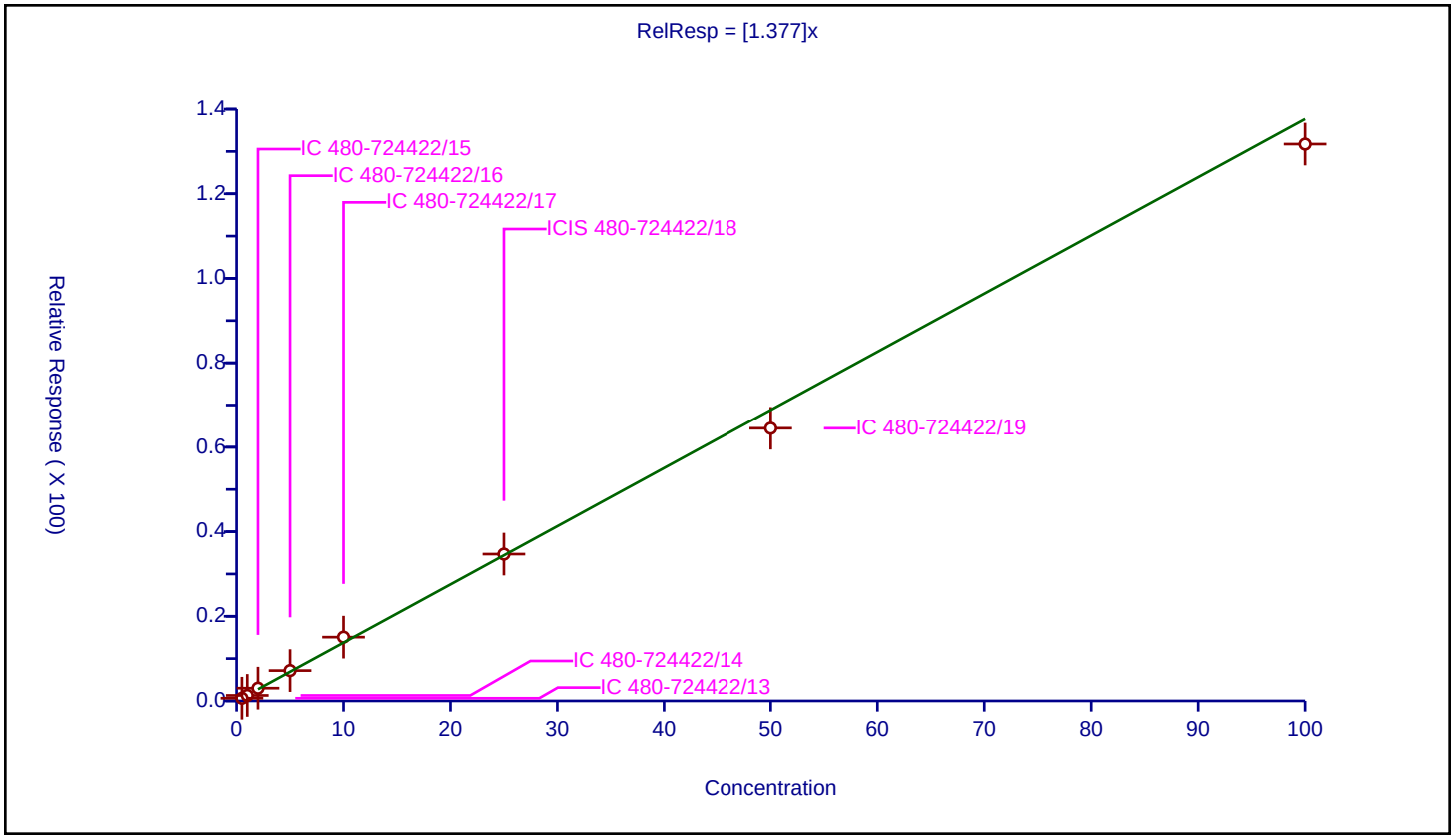
Curve Coefficients

Intercept:	0
Slope:	1.377

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.638061	25.0	368891.0	1.276122	Y
2	IC 480-724422/14	1.0	1.297263	25.0	329193.0	1.297263	Y
3	IC 480-724422/15	2.0	3.010172	25.0	342987.0	1.505086	Y
4	IC 480-724422/16	5.0	7.165024	25.0	378132.0	1.433005	Y
5	IC 480-724422/17	10.0	15.071673	25.0	340017.0	1.507167	Y
6	ICIS 480-724422/18	25.0	34.709331	25.0	380863.0	1.388373	Y
7	IC 480-724422/19	50.0	64.493863	25.0	363992.0	1.289877	Y
8	IC 480-724422/20	100.0	131.743558	25.0	423456.0	1.317436	Y



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Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

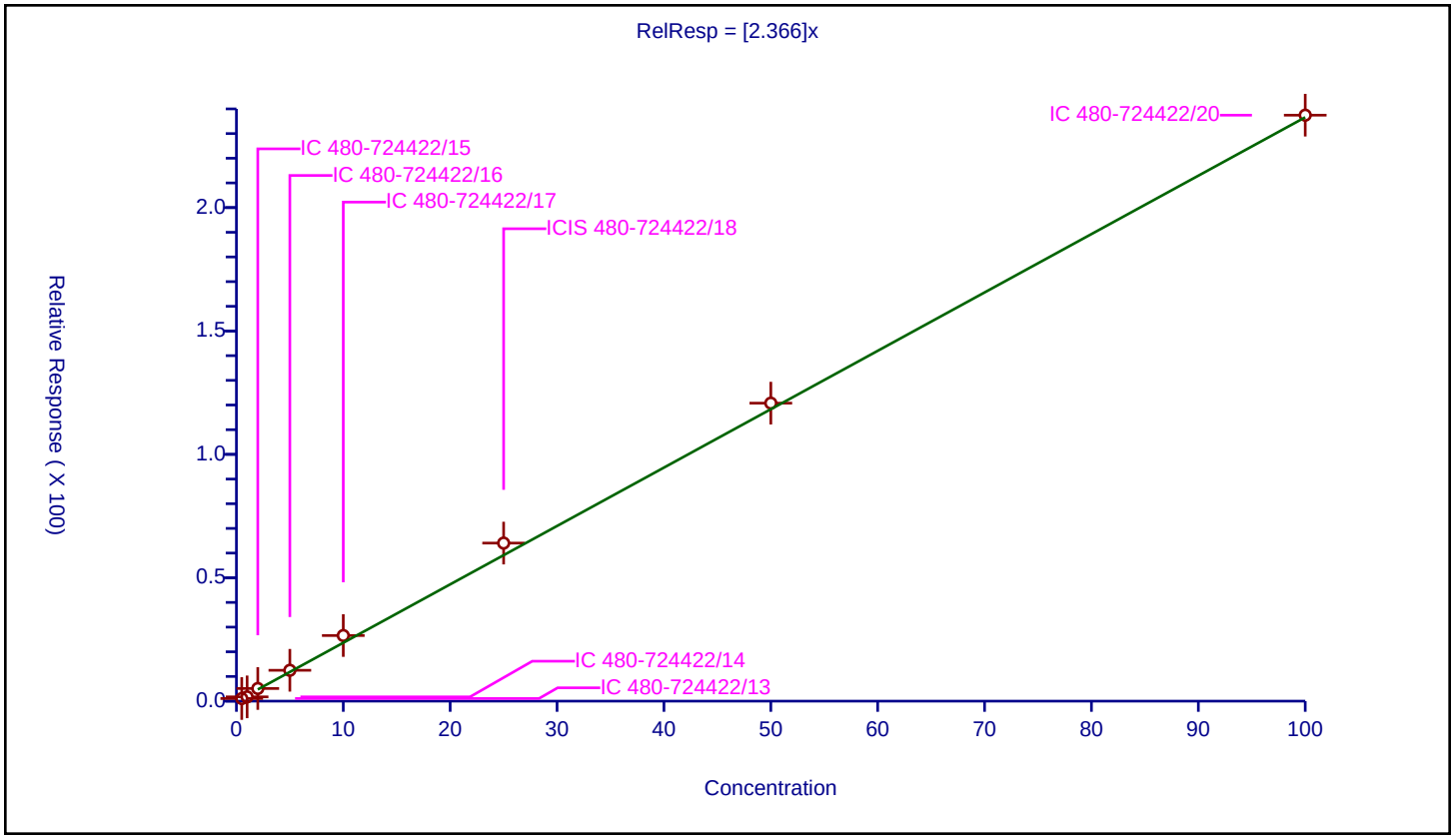
Curve Coefficients

Intercept:	0
Slope:	2.366

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.06339	25.0	368891.0	2.12678	Y
2	IC 480-724422/14	1.0	1.727178	25.0	329193.0	1.727178	Y
3	IC 480-724422/15	2.0	5.125996	25.0	342987.0	2.562998	Y
4	IC 480-724422/16	5.0	12.500661	25.0	378132.0	2.500132	Y
5	IC 480-724422/17	10.0	26.586171	25.0	340017.0	2.658617	Y
6	ICIS 480-724422/18	25.0	64.046389	25.0	380863.0	2.561856	Y
7	IC 480-724422/19	50.0	120.754577	25.0	363992.0	2.415092	Y
8	IC 480-724422/20	100.0	237.451412	25.0	423456.0	2.374514	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

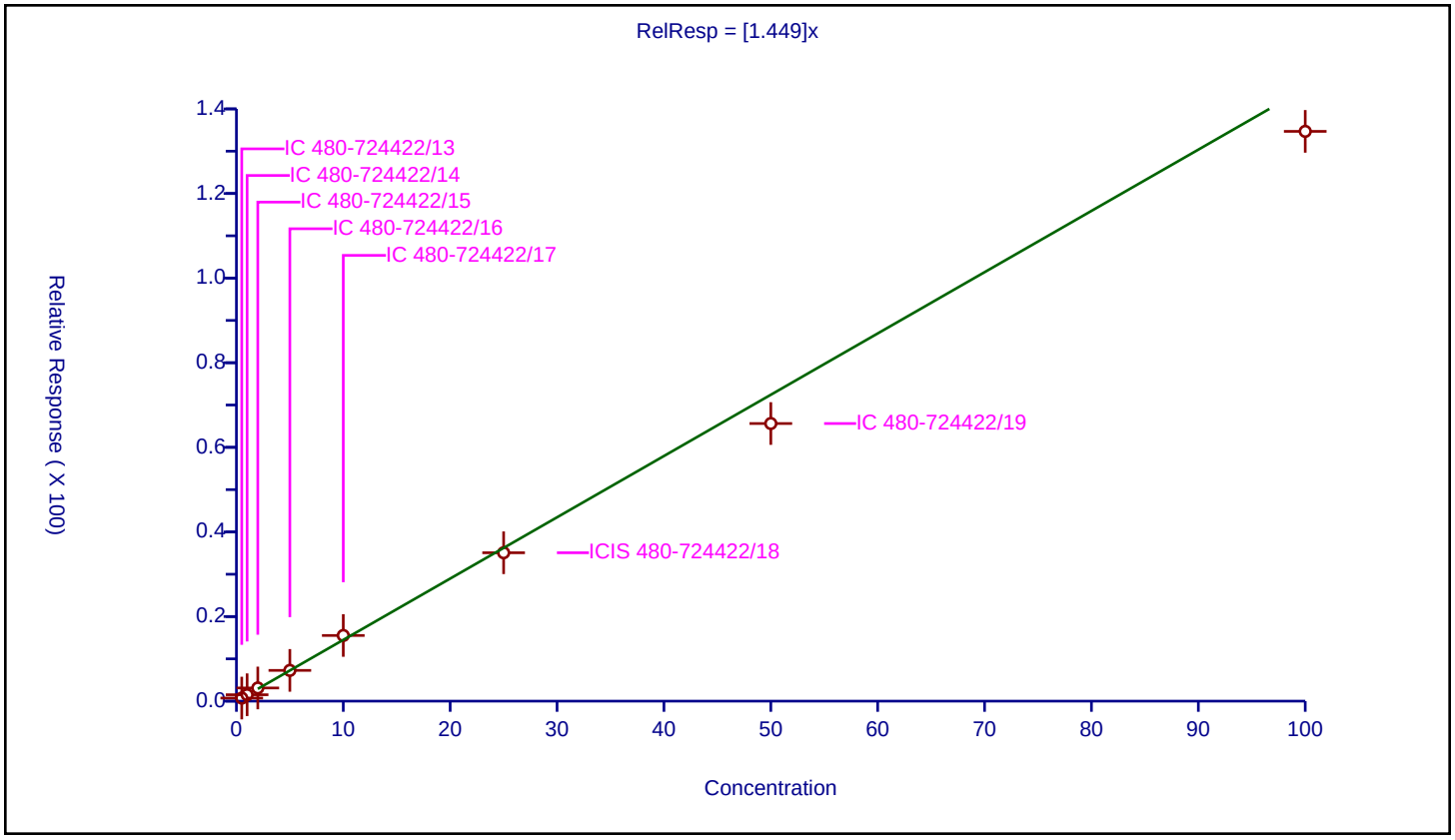
Curve Coefficients

Intercept:	0
Slope:	1.449

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.725892	25.0	368891.0	1.451784	Y
2	IC 480-724422/14	1.0	1.511955	25.0	329193.0	1.511955	Y
3	IC 480-724422/15	2.0	3.113894	25.0	342987.0	1.556947	Y
4	IC 480-724422/16	5.0	7.265981	25.0	378132.0	1.453196	Y
5	IC 480-724422/17	10.0	15.52018	25.0	340017.0	1.552018	Y
6	ICIS 480-724422/18	25.0	35.077836	25.0	380863.0	1.403113	Y
7	IC 480-724422/19	50.0	65.626305	25.0	363992.0	1.312526	Y
8	IC 480-724422/20	100.0	134.688138	25.0	423456.0	1.346881	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

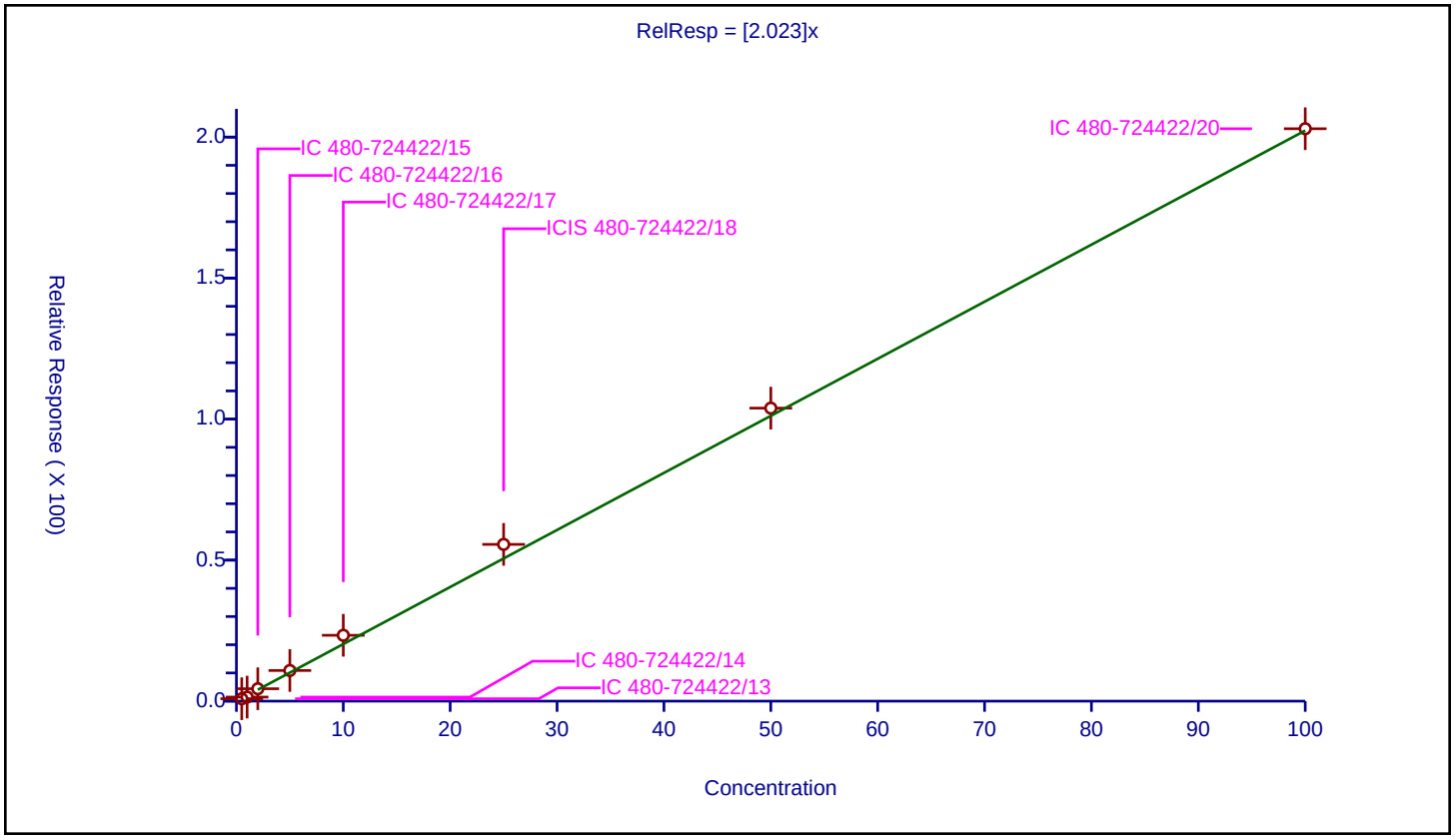
Curve Coefficients

Intercept:	0
Slope:	2.023

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.853572	25.0	368891.0	1.707144	Y
2	IC 480-724422/14	1.0	1.442467	25.0	329193.0	1.442467	Y
3	IC 480-724422/15	2.0	4.396231	25.0	342987.0	2.198115	Y
4	IC 480-724422/16	5.0	10.862609	25.0	378132.0	2.172522	Y
5	IC 480-724422/17	10.0	23.346112	25.0	340017.0	2.334611	Y
6	ICIS 480-724422/18	25.0	55.577924	25.0	380863.0	2.223117	Y
7	IC 480-724422/19	50.0	103.899674	25.0	363992.0	2.077993	Y
8	IC 480-724422/20	100.0	202.964476	25.0	423456.0	2.029645	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

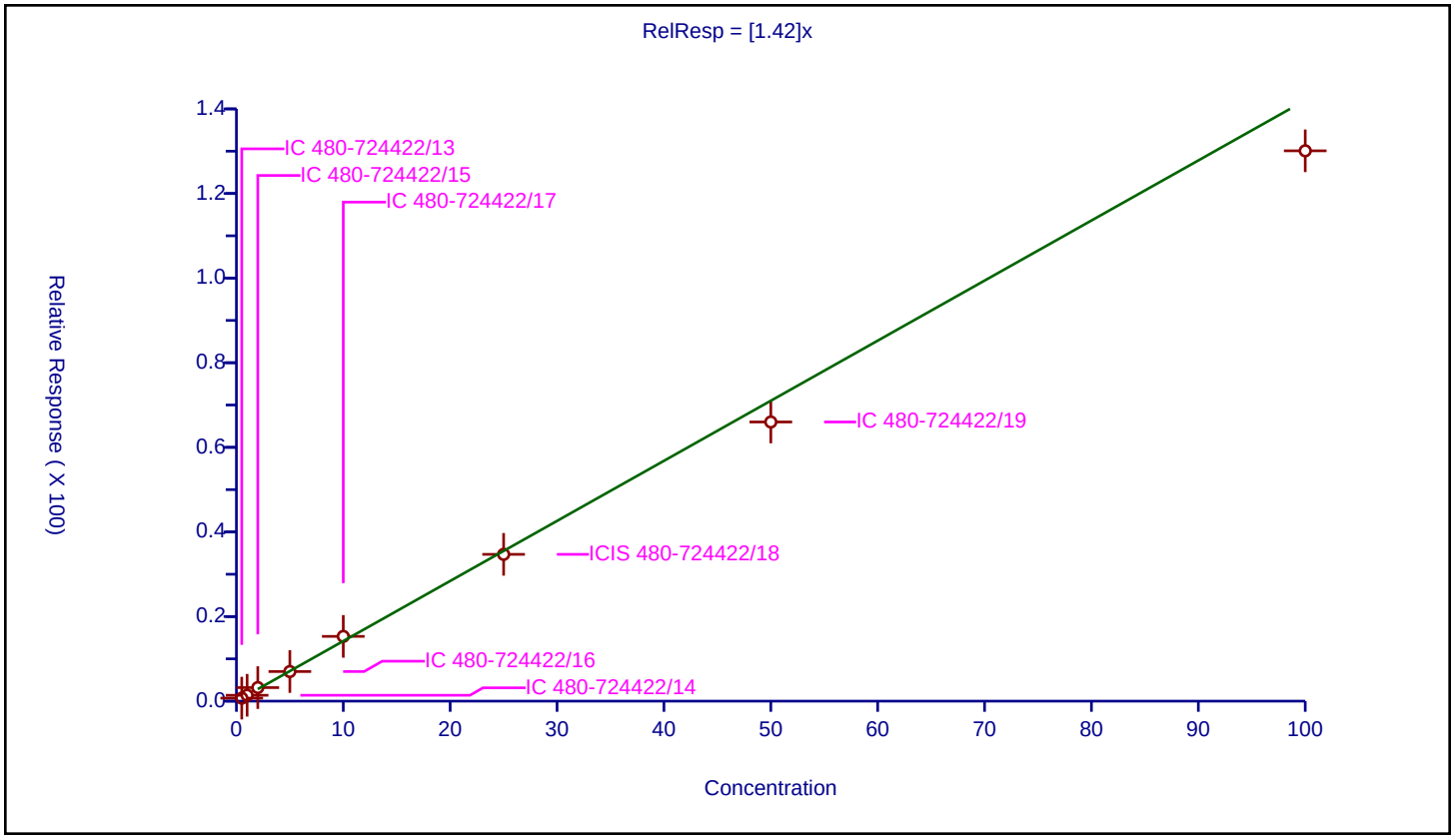
Curve Coefficients

Intercept:	0
Slope:	1.42

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.714303	25.0	368891.0	1.428606	Y
2	IC 480-724422/14	1.0	1.391281	25.0	329193.0	1.391281	Y
3	IC 480-724422/15	2.0	3.203547	25.0	342987.0	1.601774	Y
4	IC 480-724422/16	5.0	7.000003	25.0	378132.0	1.400001	Y
5	IC 480-724422/17	10.0	15.309161	25.0	340017.0	1.530916	Y
6	ICIS 480-724422/18	25.0	34.698238	25.0	380863.0	1.38793	Y
7	IC 480-724422/19	50.0	65.988607	25.0	363992.0	1.319772	Y
8	IC 480-724422/20	100.0	130.092206	25.0	423456.0	1.300922	Y



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Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

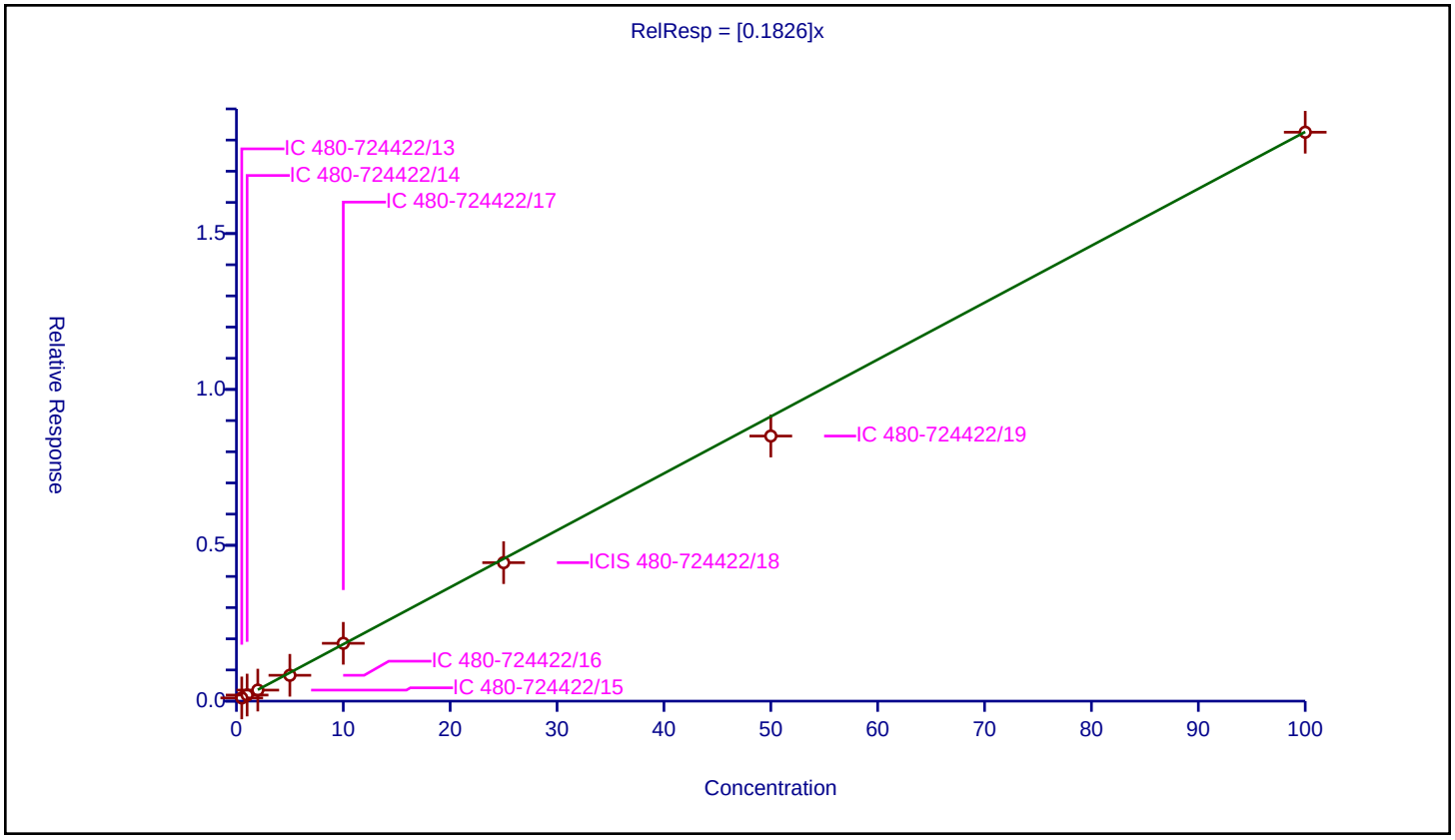
Curve Coefficients

Intercept:	0
Slope:	0.1826

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.10335	25.0	368891.0	0.206701	Y
2	IC 480-724422/14	1.0	0.195478	25.0	329193.0	0.195478	Y
3	IC 480-724422/15	2.0	0.354387	25.0	342987.0	0.177193	Y
4	IC 480-724422/16	5.0	0.829076	25.0	378132.0	0.165815	Y
5	IC 480-724422/17	10.0	1.855348	25.0	340017.0	0.185535	Y
6	ICIS 480-724422/18	25.0	4.442542	25.0	380863.0	0.177702	Y
7	IC 480-724422/19	50.0	8.504857	25.0	363992.0	0.170097	Y
8	IC 480-724422/20	100.0	18.251778	25.0	423456.0	0.182518	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

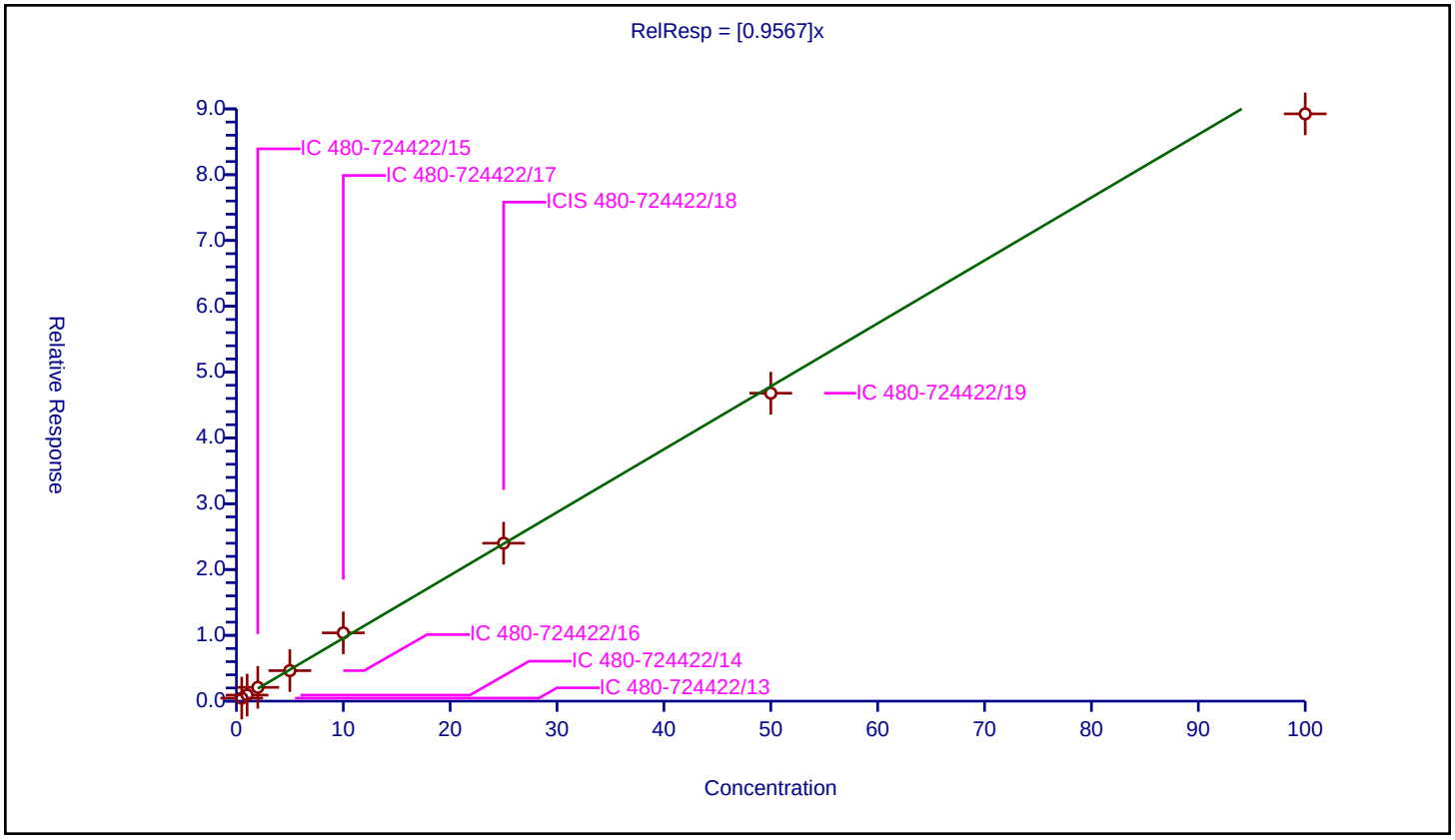
Curve Coefficients

Intercept:	0
Slope:	0.9567

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.465178	25.0	368891.0	0.930356	Y
2	IC 480-724422/14	1.0	0.923698	25.0	329193.0	0.923698	Y
3	IC 480-724422/15	2.0	2.093155	25.0	342987.0	1.046578	Y
4	IC 480-724422/16	5.0	4.63727	25.0	378132.0	0.927454	Y
5	IC 480-724422/17	10.0	10.373746	25.0	340017.0	1.037375	Y
6	ICIS 480-724422/18	25.0	24.001544	25.0	380863.0	0.960062	Y
7	IC 480-724422/19	50.0	46.796702	25.0	363992.0	0.935934	Y
8	IC 480-724422/20	100.0	89.246699	25.0	423456.0	0.892467	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

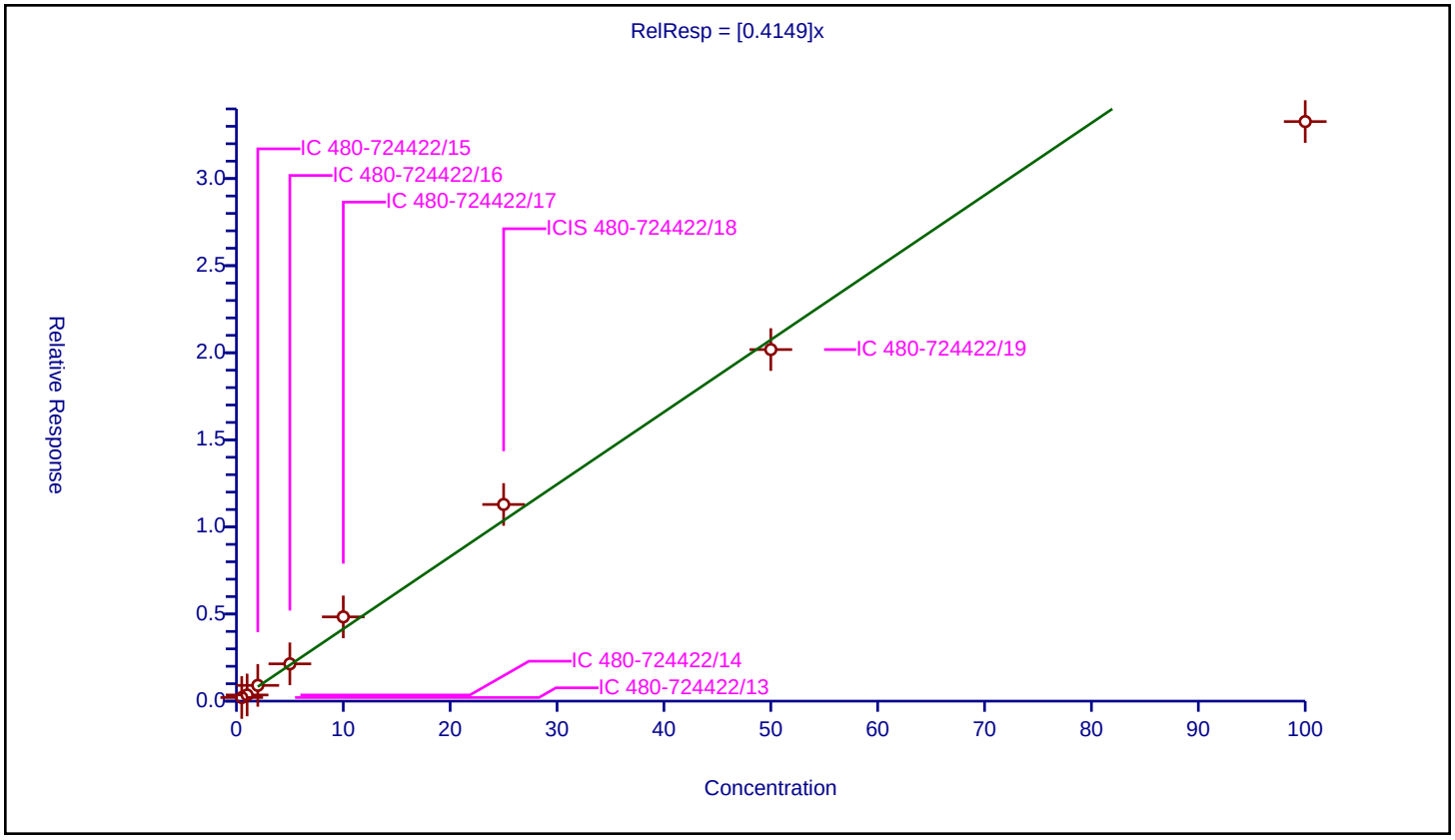
Curve Coefficients

Intercept:	0
Slope:	0.4149

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.206701	25.0	368891.0	0.413401	Y
2	IC 480-724422/14	1.0	0.353592	25.0	329193.0	0.353592	Y
3	IC 480-724422/15	2.0	0.903897	25.0	342987.0	0.451949	Y
4	IC 480-724422/16	5.0	2.141646	25.0	378132.0	0.428329	Y
5	IC 480-724422/17	10.0	4.836817	25.0	340017.0	0.483682	Y
6	ICIS 480-724422/18	25.0	11.291593	25.0	380863.0	0.451664	Y
7	IC 480-724422/19	50.0	20.183823	25.0	363992.0	0.403676	Y
8	IC 480-724422/20	100.0	33.272642	25.0	423456.0	0.332726	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

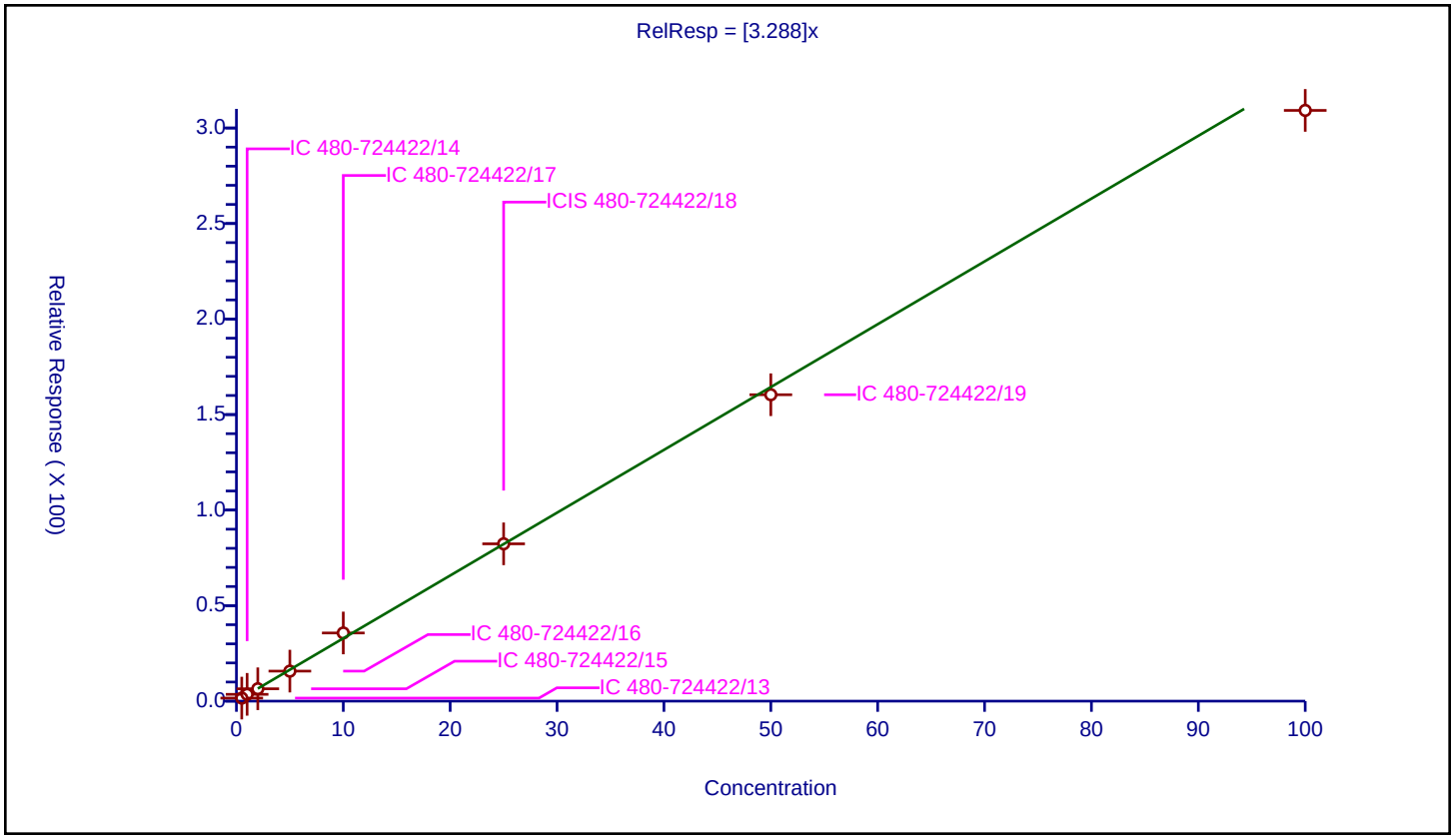
Curve Coefficients

Intercept:	0
Slope:	3.288

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	1.598169	25.0	368891.0	3.196337	Y
2	IC 480-724422/14	1.0	3.568423	25.0	329193.0	3.568423	Y
3	IC 480-724422/15	2.0	6.468904	25.0	342987.0	3.234452	Y
4	IC 480-724422/16	5.0	15.711511	25.0	378132.0	3.142302	Y
5	IC 480-724422/17	10.0	35.675275	25.0	340017.0	3.567528	Y
6	ICIS 480-724422/18	25.0	82.34562	25.0	380863.0	3.293825	Y
7	IC 480-724422/19	50.0	160.386767	25.0	363992.0	3.207735	Y
8	IC 480-724422/20	100.0	309.208218	25.0	423456.0	3.092082	Y



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Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

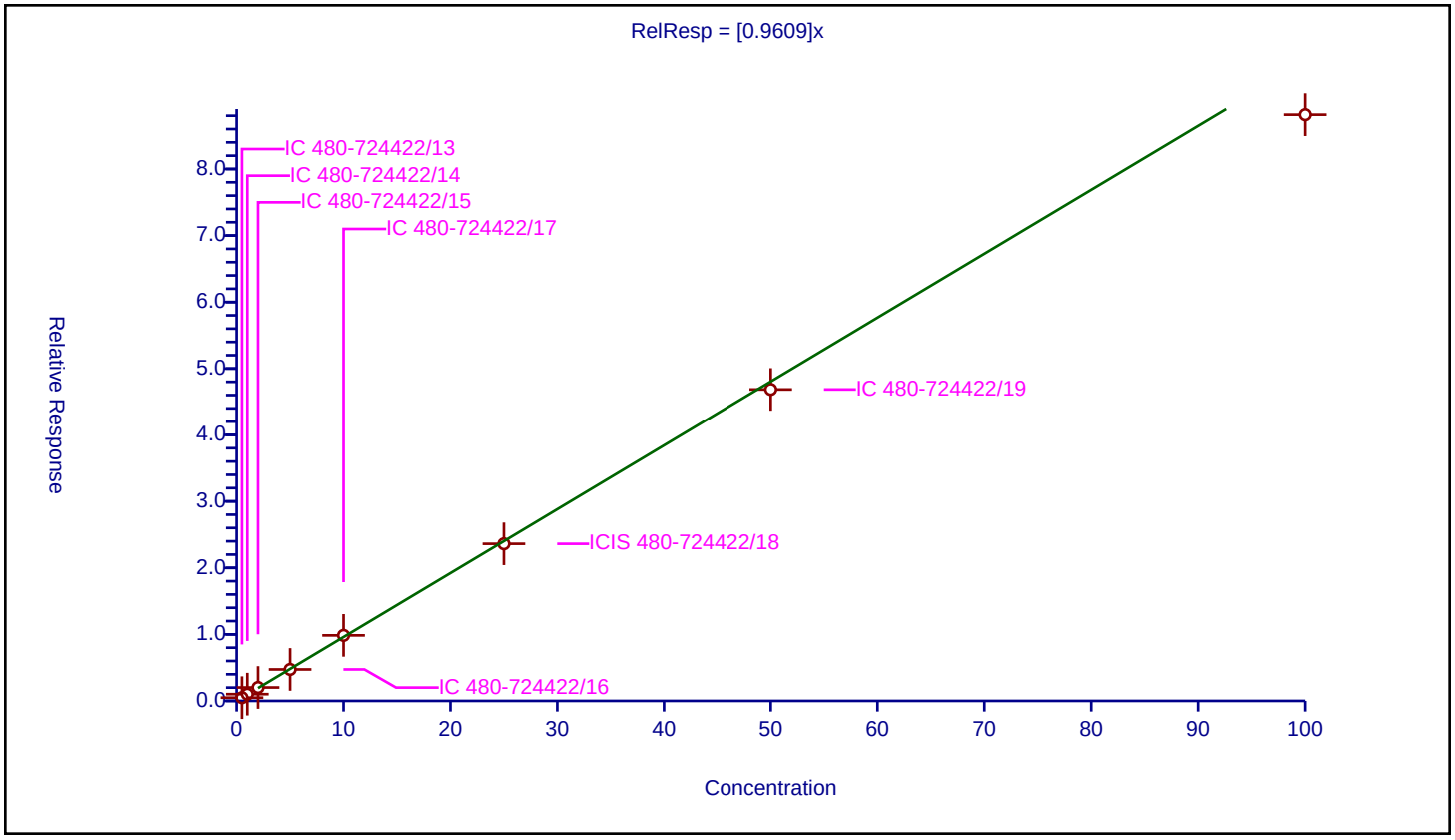
Curve Coefficients

Intercept:	0
Slope:	0.9609

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-724422/13	0.5	0.484357	25.0	368891.0	0.968714	Y
2	IC 480-724422/14	1.0	1.016349	25.0	329193.0	1.016349	Y
3	IC 480-724422/15	2.0	2.015018	25.0	342987.0	1.007509	Y
4	IC 480-724422/16	5.0	4.727251	25.0	378132.0	0.94545	Y
5	IC 480-724422/17	10.0	9.853698	25.0	340017.0	0.98537	Y
6	ICIS 480-724422/18	25.0	23.62142	25.0	380863.0	0.944857	Y
7	IC 480-724422/19	50.0	46.851442	25.0	363992.0	0.937029	Y
8	IC 480-724422/20	100.0	88.154791	25.0	423456.0	0.881548	Y



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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 Calibration End Date: 09/20/2024 01:02 Calibration ID: 47313

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-725605/47	D6858.d
Level 2	IC 480-725605/48	D6859.d
Level 3	IC 480-725605/49	D6860.d
Level 4	IC 480-725605/16	D6837.d
Level 5	IC 480-725605/17	D6838.d
Level 6	ICIS 480-725605/18	D6839.d
Level 7	IC 480-725605/19	D6840.d
Level 8	IC 480-725605/20	D6841.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 2.0434	2.1228 2.0777	1.9224 2.1580	1.6879	2.0678	Ave		2.0114			0.1000	8.0		20.0			
Chloromethane	2.8540 2.1702	2.2514 2.1337	2.0598 2.1953	1.9915	2.2191	Ave		2.2344			0.1000	11.8		20.0			
Vinyl chloride	1.5956 1.3600	1.4597 1.3758	1.2841 1.4033	1.1692	1.3573	Ave		1.3756			0.1000	9.0		20.0			
Butadiene	+++++ 1.3299	1.5687 1.3469	1.4227 1.3832	1.1585	1.3527	Ave		1.3661				8.9		20.0			
Bromomethane	+++++ 1.0212	1.2379 0.9971	0.9465 1.0280	1.0021	1.0533	Ave		1.0409			0.1000	8.9		20.0			
Chloroethane	0.7824 0.6799	0.7638 0.6590	0.6553 0.6824	0.6163	0.6950	Ave		0.6918			0.1000	8.1		20.0			
Dichlorofluoromethane	2.5503 2.2444	2.3443 2.1576	2.1032 2.1911	2.0653	2.2908	Ave		2.2434				6.9		20.0			
Trichlorofluoromethane	2.0703 1.7829	1.8972 1.7946	1.7453 1.8068	1.5064	1.8137	Ave		1.8021			0.1000	8.7		20.0			
Ethyl ether	0.8951 0.8867	0.9888 0.8791	0.8443 0.8691	0.8275	0.9013	Ave		0.8865				5.5		20.0			
Acrolein	0.1323 0.1461	0.1330 0.1465	0.1319 0.1512	0.1451	0.1544	Ave		0.1426				6.3		20.0			
1,1-Dichloroethene	0.9230 1.0390	1.0663 1.0807	1.1126 1.0941	0.9001	1.0278	Ave		1.0304			0.1000	7.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1172 1.1522	1.2036 1.1892	1.2396 1.2063	0.9736	1.1273	Ave		1.1511			0.1000	7.2		20.0			
Acetone	0.5863 0.5209	0.4843 0.4972	0.5210 0.5167	0.5454	0.5608	Ave		0.5291			0.1000	6.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 Calibration End Date: 09/20/2024 01:02 Calibration ID: 47313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	2.4750 2.5099	2.4773 2.5037	2.5868 2.5314	2.3448	2.5430	Ave		2.4965				2.9		20.0			
Carbon disulfide	3.8248 3.7281	3.7746 3.8748	3.9644 3.9643	3.2125	3.7012	Ave		3.7556			0.1000	6.4		20.0			
Allyl chloride	2.2771 2.2977	2.2118 2.3269	2.2959 2.3732	2.0869	2.3122	Ave		2.2727				3.9		20.0			
Methyl acetate	1.2945 1.3457	1.3371 1.2930	1.2984 1.3583	1.3929	1.4087	Ave		1.3411			0.1000	3.3		20.0			
Methylene Chloride	3.9467 1.2717	2.2720 1.2452	1.8082 1.2496	1.3553	1.3694	Lin1	1.0653	1.2329			0.1000	4.0			1.0000		0.9900
2-Methyl-2-propanol	0.1626 0.1716	0.1119 0.1709	0.1558 0.1848	0.1694	0.1839	Ave		0.1639				14.1		20.0			
Methyl tert-butyl ether	3.2531 3.3027	3.1920 3.2947	3.2342 3.2774	3.2071	3.3926	Ave		3.2692			0.1000	1.9		20.0			
trans-1,2-Dichloroethene	1.1687 1.1671	1.1684 1.1908	1.2459 1.1777	1.0804	1.2080	Ave		1.1759			0.1000	4.0		20.0			
Acrylonitrile	0.5958 0.6000	0.5859 0.5803	0.5671 0.5878	0.6163	0.6434	Ave		0.5971				4.0		20.0			
Hexane	1.9511 1.6686	1.9652 1.8055	1.8498 1.8213	1.4519	1.6887	Ave		1.7753				9.5		20.0			
1,1-Dichloroethane	2.5140 2.3517	2.3776 2.3545	2.4325 2.3485	2.2860	2.4290	Ave		2.3867			0.2000	2.9		20.0			
Vinyl acetate	2.5774 3.3995	2.5509 3.4358	2.7178 3.4920	3.2203	3.4516	Ave		3.1057				13.4		20.0			
2,2-Dichloropropane	1.2424 1.2774	1.3854 1.2932	1.3474 1.2452	1.2044	1.3042	Ave		1.2875				4.6		20.0			
cis-1,2-Dichloroethene	1.3754 1.3271	1.3238 1.3164	1.3483 1.3144	1.2276	1.3509	Ave		1.3230			0.1000	3.3		20.0			
2-Butanone (MEK)	0.7493 0.8392	0.7230 0.8331	0.7713 0.8565	0.7950	0.8889	Ave		0.8070			0.1000	7.1		20.0			
Chlorobromomethane	0.7654 0.7784	0.7407 0.7736	0.7780 0.7582	0.7512	0.8119	Ave		0.7697				2.8		20.0			
Tetrahydrofuran	0.6604 0.5599	0.5694 0.5491	0.5778 0.5546	0.5724	0.6057	Ave		0.5811				6.3		20.0			
Chloroform	+++++ 2.2679	2.7298 2.2516	2.5733 2.2283	2.2831	2.4071	Ave		2.3916			0.2000	8.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 Calibration End Date: 09/20/2024 01:02 Calibration ID: 47313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	1.7496 1.8320	1.8718 1.8719	1.9403 1.8753	1.6458	1.8967	Ave		1.8354			0.1000	5.1		20.0			
Cyclohexane	2.2332 2.0963	2.2727 2.2227	2.2976 2.2380	1.7988	2.0828	Ave		2.1552			0.1000	7.6		20.0			
Carbon tetrachloride	1.7057 1.7026	1.7783 1.7700	1.7428 1.8312	1.5570	1.7673	Ave		1.7319			0.1000	4.7		20.0			
1,1-Dichloropropene	1.6035 1.5312	1.6618 1.6055	1.7020 1.6168	1.3773	1.5631	Ave		1.5826				6.2		20.0			
Benzene	4.8166 4.2801	4.5016 4.3860	4.6102 4.3296	4.2052	4.5603	Ave		4.4612			0.5000	4.5		20.0			
Isobutyl alcohol	0.0811 0.0809	0.0593 0.0825	0.0734 0.0882	0.0821	0.0878	Ave		0.0794				11.7		20.0			
1,2-Dichloroethane	2.0150 1.8665	1.9490 1.8936	1.8938 1.8296	1.9326	2.0700	Ave		1.9313			0.1000	4.1		20.0			
n-Heptane	2.6244 2.0159	2.5507 2.1995	2.1349 2.1650	1.7708	2.0288	Ave		2.1862				12.9		20.0			
Trichloroethene	1.3617 1.2312	1.2668 1.2825	1.3239 1.2941	1.1639	1.2954	Ave		1.2774			0.2000	4.7		20.0			
Methylcyclohexane	1.7555 1.6917	1.7705 1.8000	1.8400 1.8332	1.3918	1.6625	Ave		1.7182			0.1000	8.5		20.0			
1,2-Dichloropropane	1.2529 1.2882	1.2253 1.3140	1.3256 1.3302	1.2228	1.3552	Ave		1.2893			0.1000	3.9		20.0			
Dibromomethane	0.8201 0.9433	0.8882 0.9413	0.8790 0.9605	0.9377	1.0073	Ave		0.9222			0.1000	6.2		20.0			
1,4-Dioxane	+++++ 0.0055	+++++ 0.0057	0.0034 0.0059	0.0049	0.0062	Lin1	-0.090	0.0059				7.0			0.9990		0.9900
Bromodichloromethane	1.4973 1.6561	1.5613 1.6745	1.6126 1.7138	1.5567	1.7003	Ave		1.6216			0.2000	4.8		20.0			
2-Chloroethyl vinyl ether	+++++ 0.8692	0.5916 0.9332	0.7229 0.9721	0.7587	0.8538	Ave		0.8145				16.2		20.0			
cis-1,3-Dichloropropene	1.4849 1.8994	1.6485 1.9828	1.7505 2.0413	1.7410	1.9616	Ave		1.8137			0.2000	10.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.7798 0.9068	0.7985 0.8810	0.8442 0.8586	0.9287	0.9999	Ave		0.8747			0.1000	8.2		20.0			
Toluene	1.5149 1.3023	1.4080 1.3495	1.4579 1.3205	1.2800	1.3832	Ave		1.3770			0.4000	5.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 Calibration End Date: 09/20/2024 01:02 Calibration ID: 47313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.6795 0.8714	0.7061 0.9061	0.7383 0.9042	0.8050	0.8693	Ave		0.8100			0.1000	11.3		20.0			
Ethyl methacrylate	+++++ 0.7601	0.5813 0.7799	0.6571 0.7698	0.7200	0.7777	Ave		0.7209				10.5		20.0			
1,1,2-Trichloroethane	0.4317 0.4780	0.4874 0.4805	0.4830 0.4727	0.4956	0.5183	Ave		0.4809			0.1000	5.1		20.0			
Tetrachloroethene	0.6872 0.6481	0.6642 0.6795	0.6923 0.6596	0.6057	0.6869	Ave		0.6654			0.2000	4.3		20.0			
1,3-Dichloropropane	0.7943 0.8653	0.8644 0.8532	0.8564 0.8503	0.8600	0.9079	Ave		0.8565				3.6		20.0			
2-Hexanone	0.5453 0.6488	0.5767 0.6189	0.5777 0.6001	0.6818	0.7083	Ave		0.6197			0.1000	9.1		20.0			
Dibromochloromethane	0.6298 0.7526	0.6561 0.7687	0.6775 0.7687	0.7174	0.7670	Ave		0.7172			0.1000	7.8		20.0			
1,2-Dibromoethane	0.5984 0.6455	0.5860 0.6600	0.5913 0.6595	0.6451	0.6859	Ave		0.6340				5.9		20.0			
Chlorobenzene	1.7156 1.5556	1.6384 1.6090	1.6587 1.5901	1.5398	1.6528	Ave		1.6200			0.5000	3.6		20.0			
Ethylbenzene	2.6284 2.4070	2.5398 2.5094	2.5288 2.4944	2.2659	2.5164	Ave		2.4863			0.1000	4.3		20.0			
1,1,1,2-Tetrachloroethane	0.6285 0.6371	0.6015 0.6458	0.6083 0.6435	0.6097	0.6727	Ave		0.6309				3.8		20.0			
m,p-Xylene	0.9687 0.9426	0.9604 0.9739	0.9951 0.9710	0.9152	0.9907	Ave		0.9647			0.1000	2.7		20.0			
o-Xylene	0.9170 0.9672	0.9114 0.9803	0.9579 0.9608	0.8757	0.9887	Ave		0.9449			0.3000	4.2		20.0			
Styrene	1.4680 1.5966	1.5198 1.6239	1.5989 1.5696	1.5168	1.6747	Ave		1.5710			0.3000	4.2		20.0			
Bromoform	0.4454 0.5163	0.4322 0.5414	0.4547 0.5472	0.4853	0.5203	Ave		0.4928			0.1000	9.1		20.0			
Isopropylbenzene	1.8614 2.0983	1.9408 2.2016	1.9521 2.2182	1.7460	2.0681	Ave		2.0108			0.1000	8.2		20.0			
Bromobenzene	0.6749 0.6902	0.6394 0.7084	0.6623 0.7144	0.6458	0.6903	Ave		0.6782				4.1		20.0			
1,1,2,2-Tetrachloroethane	0.7995 0.7842	0.7627 0.7810	0.7572 0.7797	0.7538	0.8136	Ave		0.7790			0.3000	2.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 Calibration End Date: 09/20/2024 01:02 Calibration ID: 47313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	2.5702 2.6804	2.5976 2.8085	2.6255 2.7637	2.3799	2.6866	Ave		2.6390				5.0		20.0			
1,2,3-Trichloropropane	0.1951 0.2053	0.1804 0.2032	0.1959 0.1993	0.1888	0.2118	Ave		0.1975				5.0		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2242	0.1286 0.2382	0.1490 0.2427	0.1838	0.2166	Lin1	-0.161	0.2405				10.7			0.9990		0.9900
2-Chlorotoluene	0.5878 0.5987	0.5611 0.6178	0.5601 0.6092	0.5394	0.5964	Ave		0.5838				4.7		20.0			
1,3,5-Trimethylbenzene	1.7260 1.9594	1.8419 2.0034	1.8652 1.9931	1.7428	1.9416	Ave		1.8842				5.8		20.0			
4-Chlorotoluene	0.5599 0.6145	0.5930 0.6252	0.6163 0.6210	0.5699	0.6335	Ave		0.6042				4.5		20.0			
tert-Butylbenzene	0.3053 0.3813	0.3433 0.4052	0.3505 0.4011	0.3272	0.3719	Ave		0.3607				9.8		20.0			
1,2,4-Trimethylbenzene	1.8667 2.0065	1.8977 2.0621	1.9153 2.0385	1.8150	2.0394	Ave		1.9552				4.8		20.0			
sec-Butylbenzene	2.3580 2.4897	2.4188 2.6207	2.4609 2.6199	2.1554	2.5107	Ave		2.4543				6.2		20.0			
4-Isopropyltoluene	1.9202 2.2097	2.0222 2.2818	2.0785 2.2792	1.8886	2.2014	Ave		2.1102				7.4		20.0			
1,3-Dichlorobenzene	1.3467 1.2672	1.2959 1.2725	1.3175 1.2527	1.2228	1.3105	Ave		1.2857			0.6000	3.1		20.0			
1,4-Dichlorobenzene	1.5098 1.2903	1.3471 1.2999	1.3854 1.3018	1.2888	1.3467	Ave		1.3462			0.5000	5.5		20.0			
n-Butylbenzene	1.8014 1.9880	1.8217 2.0653	1.9306 2.0585	1.6759	2.0093	Ave		1.9188				7.3		20.0			
1,2-Dichlorobenzene	1.3258 1.2634	1.2712 1.2740	1.2856 1.2485	1.2140	1.3386	Ave		1.2777			0.4000	3.1		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1482	0.1026 0.1482	0.1206 0.1544	0.1429	0.1526	Ave		0.1385			0.0500	14.0		20.0			
1,2,4-Trichlorobenzene	0.8292 0.9848	0.8282 0.9831	0.8641 0.9881	0.8466	0.9559	Ave		0.9100			0.2000	8.2		20.0			
Hexachlorobutadiene	0.4939 0.4821	0.4609 0.4834	0.4790 0.4678	0.4179	0.4801	Ave		0.4706				5.0		20.0			
Naphthalene	1.9279 2.3572	1.9361 2.3565	1.9598 2.3847	2.0292	2.3721	Ave		2.1655				10.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 Calibration End Date: 09/20/2024 01:02 Calibration ID: 47313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.8897 0.9324	0.8848 0.9156	0.8591 0.8996	0.8471	0.9539	Ave		0.8978				4.0		20.0			
Dibromofluoromethane (Surr)	1.6148 1.6103	1.6039 1.5596	1.6339 1.5540	1.6380	1.6445	Ave		1.6074				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.9121 0.9181	0.9125 0.8938	0.9154 0.8813	0.9286	0.9306	Ave		0.9116				1.8		20.0			
Toluene-d8 (Surr)	2.3853 2.4057	2.3917 2.4114	2.4465 2.3491	2.4438	2.4671	Ave		2.4126				1.6		20.0			
4-Bromofluorobenzene (Surr)	0.8320 0.8316	0.8389 0.8168	0.8483 0.8270	0.8644	0.8455	Ave		0.8381				1.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-725605/47	D6858.d
Level 2	IC 480-725605/48	D6859.d
Level 3	IC 480-725605/49	D6860.d
Level 4	IC 480-725605/16	D6837.d
Level 5	IC 480-725605/17	D6838.d
Level 6	ICIS 480-725605/18	D6839.d
Level 7	IC 480-725605/19	D6840.d
Level 8	IC 480-725605/20	D6841.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 350993	16072 713202	28975 1454144	60606	144762	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	8711 372773	17046 732411	31046 1479282	71510	155358	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4870 233609	11052 472258	19354 945629	41983	95024	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 228427	11877 462331	21443 932049	41597	94699	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 175416	9372 342269	14265 692741	35981	73739	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2388 116787	5783 226211	9877 459856	22129	48657	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	7784 385522	17749 740630	31700 1476445	74158	160377	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	6319 306239	14364 616004	26306 1217510	54089	126971	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2732 152307	7486 301743	12726 585647	29715	63096	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	2019 125442	5036 251493	9942 509339	26045	54050	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	2817 178467	8073 370961	16769 737282	32320	71955	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3410 197913	9113 408208	18683 812858	34959	78922	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	8948 447408	18332 853271	39260 1740804	97911	196307	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7554 431129	18756 859409	38989 1705808	84194	178033	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	11674	28578	59752	115352	259115	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			640370	1330050	2671362			25.0	50.0	100		
Allyl chloride	FB	Ave	6950 394663	16746 798730	34604 1599175	74934	161870	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	7902 462310	20247 887691	39139 1830528	100030	197241	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	12046 218441	17202 427440	27254 842072	48665	95866	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	4962 294797	8469 586795	23488 1245172	60814	128717	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	9929 567294	24167 1130953	48746 2208500	115157	237511	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3567 200473	8846 408742	18778 793629	38793	84569	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	18185 1030682	44363 1991973	85471 3961104	221302	450428	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5955 286620	14879 619768	27881 1227265	52133	118223	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	7673 403941	18001 808191	36663 1582541	82083	170048	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	15733 1167859	38626 2358764	81926 4706238	231266	483277	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3792 219417	10489 443897	20308 839111	43248	91303	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4198 227960	10023 451863	20322 885703	44079	94575	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	11435 720775	27368 1429835	58127 2885769	142739	311152	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2336 133707	5608 265531	11726 510929	26973	56836	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	4031 192339	8622 376960	17416 747465	41108	84802	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 389557	20668 772870	38785 1501538	81981	168515	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	5340 314671	14172 642542	29244 1263667	59097	132787	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	6816 360074	17207 762949	34629 1508096	64590	145810	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5206 292448	13464 607574	26268 1233968	55906	123724	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4894 263005	12582 551099	25653 1089465	49455	109430	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	14701 735178	34082 1505532	69485 2917502	150998	319257	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6192 347470	11231 707779	27667 1485964	73730	153588	10.0 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	6150 320597	14756 650009	28544 1232886	69394	144917	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	8010 346259	19312 755016	32177 1458905	63583	142035	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4156 211479	9591 440232	19954 872044	41794	90688	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	5358 290581	13405 617884	27732 1235309	49977	116391	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3824 221275	9277 451042	19979 896338	43909	94877	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2503 162024	6725 323113	13249 647245	33670	70517	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Lin1	+++++ 36793	+++++ 78079	1974 163953	6835	16729	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	4570 284469	11821 574774	24305 1154843	55897	119034	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 149298	4479 320344	10895 655067	27241	59772	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4532 326258	12481 680617	26383 1375529	62515	137325	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	23444 1525600	59304 3010140	123823 5945409	322845	678256	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	9109 438162	20914 922139	42767 1828927	88991	187658	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	4086 293210	10488 619195	21658 1252248	55969	117942	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	+++++ 255759	8635 532897	19276 1066221	50059	105516	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	2596 160823	7240 328341	14168 654661	34456	70315	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	4132	9865	20310	42112	93196	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			218050	464310	913604			25.0	50.0	100		
1,3-Dichloropropane	CBNZd5	Ave	4776 291150	12840 583049	25123 1177720	59790	123180	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	16394 1091547	42828 2114408	84735 4155993	236999	480471	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	3787 253217	9746 525285	19873 1064669	49877	104053	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	3598 217201	8704 451009	17345 913453	44849	93059	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	10316 523420	24336 1099514	48659 2202286	107050	224239	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	15805 809878	37725 1714734	74183 3454711	157534	341400	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	3779 214365	8934 441328	17844 891213	42389	91261	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	5825 317166	14265 665514	29192 1344840	63629	134411	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	5514 325417	13537 669886	28101 1330633	60880	134134	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	8827 537210	22575 1109629	46903 2173852	105451	227198	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	2678 173726	6420 369947	13340 757842	33738	70584	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd4	Ave	12908 763259	32830 1611478	67383 3220304	142001	318795	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	4680 251064	10816 518526	22860 1037110	52522	106414	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	5544 285258	12901 571651	26137 1131939	61311	125415	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd4	Ave	17823 975019	43940 2055725	90627 4012314	193561	414135	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd4	Ave	1353	3052	6763	15356	32652	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			74683	148729	289294			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd4	Lin1	+++++ 81540	2175 174392	5144 352308	14946	33386	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	4076 217797	9492 452204	19333 884452	43873	91939	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	11969 712744	31158 1466440	64382 2893593	141742	299293	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	3883 223535	10031 457634	21273 901616	46350	97653	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	2117 138715	5808 296614	12097 582362	26615	57326	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	12945 729865	32102 1509412	66111 2959545	147615	314368	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	16352 905633	40916 1918306	84944 3803538	175297	387026	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	13316 803805	34208 1670204	71746 3308921	153603	339343	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	9339 460942	21921 931436	45476 1818705	99449	202006	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	10470 469365	22788 951499	47822 1889961	104816	207586	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	12492 723155	30815 1511752	66641 2988565	136299	309738	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	9194 459591	21503 932554	44377 1812619	98738	206344	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	+++++ 53920	1735 108445	4162 224136	11625	23520	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	5750 358225	14009 719619	29826 1434572	68854	147357	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Ave	3425 175353	7797 353838	16535 679087	33987	74010	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd4	Ave	13369 857443	32751 1724911	67649 3462123	165039	365663	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	6170 339160	14968 670209	29653 1305966	68894	147046	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	308036 276603	303581 267682	307821 261785	294079	287813	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	173988 157704	172722 153401	172470 148466	166718	162870	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	896455	888120	897108	849491	836781	25.0	25.0	25.0	25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D GC Column: ZB-624 (20 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 Calibration End Date: 09/20/2024 01:02 Calibration ID: 47313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			809442	823906	813362			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	312695	311504	311046	300485	286772	25.0	25.0	25.0	25.0	25.0
			279805	279065	286332			25.0	25.0	25.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-725605/47	D6858.d
Level 2	IC 480-725605/48	D6859.d
Level 3	IC 480-725605/49	D6860.d
Level 4	IC 480-725605/16	D6837.d
Level 5	IC 480-725605/17	D6838.d
Level 6	ICIS 480-725605/18	D6839.d
Level 7	IC 480-725605/19	D6840.d
Level 8	IC 480-725605/20	D6841.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	+++++	5.5						30				
Chloromethane	27.7						30					
Vinyl chloride	16.0						30					
Butadiene	+++++	14.8						30				
Bromomethane	+++++	18.9						30				
Chloroethane	13.1						30					
Dichlorofluoromethane	13.7						30					
Trichlorofluoromethane	14.9						30					
Ethyl ether	1.0						30					
Acrolein	-7.2						30					
1,1-Dichloroethene	-10.4						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	-2.9						30					
Acetone	10.8						30					
Iodomethane	-0.9						30					
Carbon disulfide	1.8						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	0.2						30					
Methyl acetate	-3.5						30					
Methylene Chloride	4.1						30					
2-Methyl-2-propanol	-0.8						30					
Methyl tert-butyl ether	-0.5						30					
trans-1,2-Dichloroethene	-0.6						30					
Acrylonitrile	-0.2						30					
Hexane	9.9						30					
1,1-Dichloroethane	5.3						30					
Vinyl acetate	-17.0						30					
2,2-Dichloropropane	-3.5						30					
cis-1,2-Dichloroethene	4.0						30					
2-Butanone (MEK)	-7.2						30					
Chlorobromomethane	-0.6						30					
Tetrahydrofuran	13.6						30					
Chloroform	+++++	14.1						30				
1,1,1-Trichloroethane	-4.7						30					
Cyclohexane	3.6						30					
Carbon tetrachloride	-1.5						30					
1,1-Dichloropropene	1.3						30					
Benzene	8.0						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	2.2						30					
1,2-Dichloroethane	4.3						30					
n-Heptane	20.0						30					
Trichloroethene	6.6						30					
Methylcyclohexane	2.2						30					
1,2-Dichloropropane	-2.8						30					
Dibromomethane	-11.1						30					
1,4-Dioxane	+++++	+++++	-5.1						30			
Bromodichloromethane	-7.7						30					
2-Chloroethyl vinyl ether	+++++	-27.4						30				
cis-1,3-Dichloropropene	-18.1						30					
4-Methyl-2-pentanone (MIBK)	-10.9						30					
Toluene	10.0						30					
trans-1,3-Dichloropropene	-16.1						30					
Ethyl methacrylate	+++++	-19.4						30				
1,1,2-Trichloroethane	-10.2						30					
Tetrachloroethene	3.3						30					
1,3-Dichloropropane	-7.3						30					
2-Hexanone	-12.0						30					
Dibromochloromethane	-12.2						30					
1,2-Dibromoethane	-5.6						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 | Calibration End Date: 09/20/2024 01:02 | Calibration ID: 47313

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	5.9						30					
Ethylbenzene	5.7						30					
1,1,1,2-Tetrachloroethane	-0.4						30					
m,p-Xylene	0.4						30					
o-Xylene	-2.9						30					
Styrene	-6.6						30					
Bromoform	-9.6						30					
Isopropylbenzene	-7.4						30					
Bromobenzene	-0.5						30					
1,1,2,2-Tetrachloroethane	2.6						30					
N-Propylbenzene	-2.6						30					
1,2,3-Trichloropropane	-1.2						30					
trans-1,4-Dichloro-2-butene	+++++	20.3						30				
2-Chlorotoluene	0.7						30					
1,3,5-Trimethylbenzene	-8.4						30					
4-Chlorotoluene	-7.3						30					
tert-Butylbenzene	-15.4						30					
1,2,4-Trimethylbenzene	-4.5						30					
sec-Butylbenzene	-3.9						30					
4-Isopropyltoluene	-9.0						30					
1,3-Dichlorobenzene	4.7						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725605

SDG No.: 480-223647-1

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2024 16:33 Calibration End Date: 09/20/2024 01:02 Calibration ID: 47313

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	12.2						30					
n-Butylbenzene	-6.1						30					
1,2-Dichlorobenzene	3.8						30					
1,2-Dibromo-3-Chloropropane	+++++	-25.9						30				
1,2,4-Trichlorobenzene	-8.9						30					
Hexachlorobutadiene	4.9						30					
Naphthalene	-11.0						30					
1,2,3-Trichlorobenzene	-0.9						30					
Dibromofluoromethane (Surr)	0.5						30					
1,2-Dichloroethane-d4 (Surr)	0.1						30					
Toluene-d8 (Surr)	-1.1						30					
4-Bromofluorobenzene (Surr)	-0.7						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6837.d
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Sep-2024 16:33:30 ALS Bottle#: 25 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0120124-016
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 11:49:01 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: G0BW Date: 19-Sep-2024 18:38:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	179536	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.101	0.000	87	347617	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.003	9.003	0.000	97	406653	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	294079	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	100	166718	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	849491	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.052	8.052	0.000	94	300485	25.0	25.8	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	60606	5.00	4.20	
12 Chloromethane	50	1.279	1.279	0.000	99	71510	5.00	4.46	
13 Vinyl chloride	62	1.359	1.359	0.000	97	41983	5.00	4.25	
144 Butadiene	54	1.377	1.377	0.000	96	41597	5.00	4.24	
14 Bromomethane	94	1.645	1.645	0.000	93	35981	5.00	4.81	
15 Chloroethane	64	1.694	1.694	0.000	95	22129	5.00	4.45	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	96	74158	5.00	4.60	
17 Trichlorofluoromethane	101	1.913	1.913	0.000	93	54089	5.00	4.18	
18 Ethyl ether	59	2.151	2.151	0.000	96	29715	5.00	4.67	
20 Acrolein	56	2.316	2.316	0.000	99	26045	25.0	25.4	
22 1,1-Dichloroethene	96	2.352	2.352	0.000	95	32320	5.00	4.37	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.358	2.358	0.000	87	34959	5.00	4.23	
23 Acetone	43	2.462	2.462	0.000	97	97911	25.0	25.8	
25 Iodomethane	142	2.511	2.511	0.000	99	84194	5.00	4.70	
26 Carbon disulfide	76	2.541	2.541	0.000	100	115352	5.00	4.28	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	74934	5.00	4.59	
27 Methyl acetate	43	2.736	2.736	0.000	100	100030	10.0	10.4	
30 Methylene Chloride	84	2.822	2.822	0.000	95	48665	5.00	4.63	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	94	60814	50.0	51.7	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	115157	5.00	4.90	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	94	38793	5.00	4.59	
33 Acrylonitrile	53	3.072	3.072	0.000	96	221302	50.0	51.6	
35 Hexane	57	3.206	3.206	0.000	95	52133	5.00	4.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	97	82083	5.00	4.79	
37 Vinyl acetate	43	3.450	3.450	0.000	97	231266	10.0	10.4	
44 2,2-Dichloropropane	77	3.840	3.840	0.000	91	43248	5.00	4.68	
45 cis-1,2-Dichloroethene	96	3.876	3.876	0.000	85	44079	5.00	4.64	
43 2-Butanone (MEK)	43	3.907	3.907	0.000	97	142739	25.0	24.6	
48 Chlorobromomethane	128	4.071	4.071	0.000	96	26973	5.00	4.88	
49 Tetrahydrofuran	42	4.090	4.090	0.000	93	41108	10.0	9.85	
50 Chloroform	83	4.139	4.139	0.000	95	81981	5.00	4.77	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	99	59097	5.00	4.48	
52 Cyclohexane	56	4.242	4.242	0.000	96	64590	5.00	4.17	
55 Carbon tetrachloride	117	4.352	4.352	0.000	97	55906	5.00	4.50	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	92	49455	5.00	4.35	
57 Benzene	78	4.529	4.529	0.000	96	150998	5.00	4.71	
53 Isobutyl alcohol	43	4.541	4.541	0.000	91	73730	125.0	129.3	
58 1,2-Dichloroethane	62	4.584	4.584	0.000	96	69394	5.00	5.00	
59 n-Heptane	43	4.675	4.675	0.000	96	63583	5.00	4.05	
62 Trichloroethene	95	5.029	5.029	0.000	97	41794	5.00	4.56	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	49977	5.00	4.05	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	93	43909	5.00	4.74	
67 Dibromomethane	93	5.327	5.327	0.000	96	33670	5.00	5.08	
66 1,4-Dioxane	88	5.333	5.333	0.000	37	6835	100.0	98.4	
68 Dichlorobromomethane	83	5.449	5.449	0.000	97	55897	5.00	4.80	
69 2-Chloroethyl vinyl ether	63	5.669	5.669	0.000	92	27241	5.00	4.66	
72 cis-1,3-Dichloropropene	75	5.778	5.778	0.000	91	62515	5.00	4.80	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	322845	25.0	26.5	
74 Toluene	92	6.004	6.004	0.000	97	88991	5.00	4.65	
77 trans-1,3-Dichloropropene	75	6.217	6.217	0.000	96	55969	5.00	4.97	
75 Ethyl methacrylate	69	6.248	6.248	0.000	96	50059	5.00	4.99	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	93	34456	5.00	5.15	
81 Tetrachloroethene	166	6.419	6.419	0.000	96	42112	5.00	4.55	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	98	59790	5.00	5.02	
80 2-Hexanone	43	6.534	6.534	0.000	99	236999	25.0	27.5	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	49877	5.00	5.00	
84 Ethylene Dibromide	107	6.760	6.760	0.000	98	44849	5.00	5.09	
87 Chlorobenzene	112	7.126	7.126	0.000	97	107050	5.00	4.75	
88 Ethylbenzene	91	7.187	7.187	0.000	99	157534	5.00	4.56	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	96	42389	5.00	4.83	
90 m-Xylene & p-Xylene	106	7.284	7.284	0.000	99	63629	5.00	4.74	
91 o-Xylene	106	7.607	7.607	0.000	98	60880	5.00	4.63	
92 Styrene	104	7.632	7.632	0.000	94	105451	5.00	4.83	
95 Bromoform	173	7.821	7.821	0.000	95	33738	5.00	4.92	
94 Isopropylbenzene	105	7.894	7.894	0.000	97	142001	5.00	4.34	
101 Bromobenzene	156	8.180	8.180	0.000	91	52522	5.00	4.76	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	96	61311	5.00	4.84	
99 N-Propylbenzene	91	8.235	8.235	0.000	99	193561	5.00	4.51	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	84	15356	5.00	4.78	
98 trans-1,4-Dichloro-2-butene	53	8.247	8.247	0.000	86	14946	5.00	4.49	
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	43873	5.00	4.62	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	141742	5.00	4.62	
105 4-Chlorotoluene	126	8.418	8.418	0.000	97	46350	5.00	4.72	
106 tert-Butylbenzene	134	8.644	8.644	0.000	95	26615	5.00	4.54	
107 1,2,4-Trimethylbenzene	105	8.693	8.693	0.000	97	147615	5.00	4.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	175297	5.00	4.39	
110 4-Isopropyltoluene	119	8.942	8.942	0.000	97	153603	5.00	4.47	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	98	99449	5.00	4.76	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	97	104816	5.00	4.79	
115 n-Butylbenzene	91	9.290	9.290	0.000	99	136299	5.00	4.37	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	99	98738	5.00	4.75	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	84	11625	5.00	5.16	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	95	68854	5.00	4.65	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	33987	5.00	4.44	
121 Naphthalene	128	10.899	10.899	0.000	97	165039	5.00	4.69	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	95	68894	5.00	4.72	
S 125 1,2-Dichloroethene, Total	1				0			9.23	
S 126 1,3-Dichloropropene, Total	1				0			9.77	
S 124 Xylenes, Total	1				0			9.38	
S 123 Total BTEX	1				0			23.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added:	5.00	Units: uL	
GAS CORP mix_00641	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00092	Amount Added:	1.00	Units: uL	Run Reagent

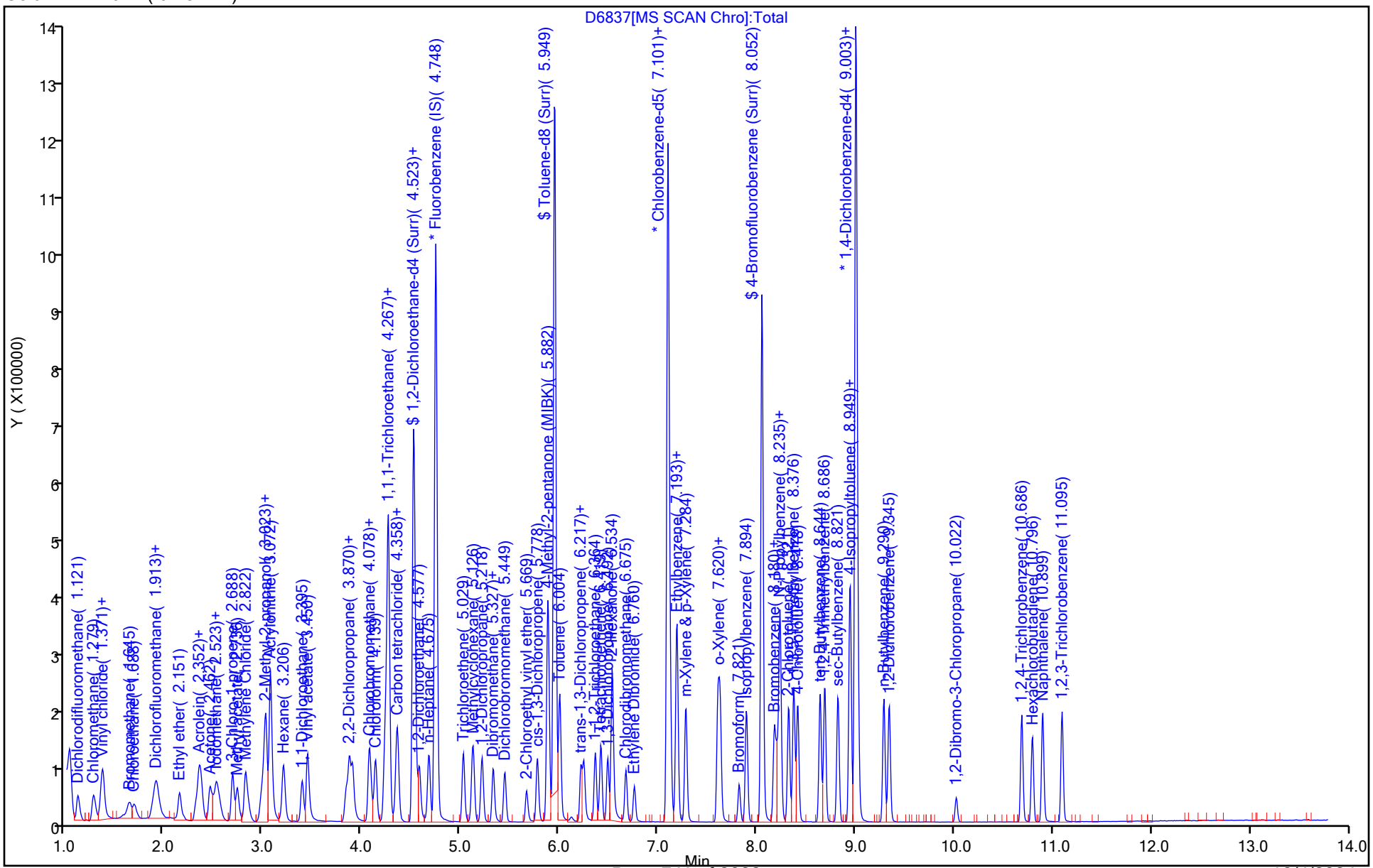
Report Date: 20-Sep-2024 11:49:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6837.d

Injection Date:	19-Sep-2024 16:33:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6838.d
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Sep-2024 16:55:30 ALS Bottle#: 26 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0120124-017
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 11:49:13 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: G0BW Date: 19-Sep-2024 18:38:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	175020	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	339171	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.003	0.001	95	385372	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	287813	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	162870	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	836781	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.052	0.001	95	286772	25.0	25.2	
10 Dichlorodifluoromethane	85	1.127	1.121	0.006	99	144762	10.0	10.3	
12 Chloromethane	50	1.286	1.279	0.007	99	155358	10.0	9.93	
13 Vinyl chloride	62	1.359	1.359	0.000	98	95024	10.0	9.87	
144 Butadiene	54	1.377	1.377	0.000	99	94699	10.0	9.90	
14 Bromomethane	94	1.645	1.645	0.000	92	73739	10.0	10.1	
15 Chloroethane	64	1.700	1.694	0.006	95	48657	10.0	10.0	
16 Dichlorofluoromethane	67	1.914	1.907	0.007	97	160377	10.0	10.2	
17 Trichlorofluoromethane	101	1.920	1.913	0.007	98	126971	10.0	10.1	
18 Ethyl ether	59	2.151	2.151	0.000	96	63096	10.0	10.2	
20 Acrolein	56	2.316	2.316	0.000	97	54050	50.0	54.2	
22 1,1-Dichloroethene	96	2.359	2.352	0.007	94	71955	10.0	9.97	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.358	0.007	90	78922	10.0	9.79	
23 Acetone	43	2.462	2.462	0.000	97	196307	50.0	53.0	
25 Iodomethane	142	2.517	2.511	0.006	100	178033	10.0	10.2	
26 Carbon disulfide	76	2.548	2.541	0.007	100	259115	10.0	9.86	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	161870	10.0	10.2	
27 Methyl acetate	43	2.737	2.736	0.001	100	197241	20.0	21.0	
30 Methylene Chloride	84	2.822	2.822	0.000	96	95866	10.0	10.2	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	95	128717	100.0	112.2	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	237511	10.0	10.4	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	96	84569	10.0	10.3	
33 Acrylonitrile	53	3.072	3.072	0.000	96	450428	100.0	107.8	
35 Hexane	57	3.206	3.206	0.000	95	118223	10.0	9.51	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	97	170048	10.0	10.2	
37 Vinyl acetate	43	3.450	3.450	0.000	97	483277	20.0	22.2	
44 2,2-Dichloropropane	77	3.846	3.840	0.006	92	91303	10.0	10.1	
45 cis-1,2-Dichloroethene	96	3.877	3.876	0.001	85	94575	10.0	10.2	
43 2-Butanone (MEK)	43	3.907	3.907	0.000	97	311152	50.0	55.1	
48 Chlorobromomethane	128	4.072	4.071	0.001	95	56836	10.0	10.5	
49 Tetrahydrofuran	42	4.090	4.090	0.000	92	84802	20.0	20.8	
50 Chloroform	83	4.139	4.139	0.000	95	168515	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	98	132787	10.0	10.3	
52 Cyclohexane	56	4.242	4.242	0.000	97	145810	10.0	9.66	
55 Carbon tetrachloride	117	4.352	4.352	0.000	96	123724	10.0	10.2	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	91	109430	10.0	9.88	
57 Benzene	78	4.529	4.529	0.000	96	319257	10.0	10.2	
53 Isobutyl alcohol	43	4.541	4.541	0.000	93	153588	250.0	276.2	
58 1,2-Dichloroethane	62	4.584	4.584	0.000	96	144917	10.0	10.7	
59 n-Heptane	43	4.681	4.675	0.006	96	142035	10.0	9.28	
62 Trichloroethene	95	5.029	5.029	0.000	97	90688	10.0	10.1	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	116391	10.0	9.68	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	94	94877	10.0	10.5	
67 Dibromomethane	93	5.328	5.327	0.001	96	70517	10.0	10.9	
66 1,4-Dioxane	88	5.334	5.333	0.001	38	16729	200.0	223.9	
68 Dichlorobromomethane	83	5.449	5.449	0.000	97	119034	10.0	10.5	
69 2-Chloroethyl vinyl ether	63	5.669	5.669	0.000	92	59772	10.0	10.5	
72 cis-1,3-Dichloropropene	75	5.779	5.778	0.001	92	137325	10.0	10.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	678256	50.0	57.2	
74 Toluene	92	6.004	6.004	0.000	98	187658	10.0	10.0	
77 trans-1,3-Dichloropropene	75	6.218	6.217	0.001	98	117942	10.0	10.7	
75 Ethyl methacrylate	69	6.248	6.248	0.000	96	105516	10.0	10.8	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	92	70315	10.0	10.8	
81 Tetrachloroethene	166	6.419	6.419	0.000	96	93196	10.0	10.3	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	123180	10.0	10.6	
80 2-Hexanone	43	6.535	6.534	0.001	99	480471	50.0	57.1	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	104053	10.0	10.7	
84 Ethylene Dibromide	107	6.760	6.760	0.000	99	93059	10.0	10.8	
87 Chlorobenzene	112	7.126	7.126	0.000	96	224239	10.0	10.2	
88 Ethylbenzene	91	7.187	7.187	0.000	99	341400	10.0	10.1	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	96	91261	10.0	10.7	
90 m-Xylene & p-Xylene	106	7.284	7.284	0.000	99	134411	10.0	10.3	
91 o-Xylene	106	7.608	7.607	0.001	97	134134	10.0	10.5	
92 Styrene	104	7.626	7.632	-0.006	94	227198	10.0	10.7	
95 Bromoform	173	7.821	7.821	0.000	96	70584	10.0	10.6	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	318795	10.0	10.3	
101 Bromobenzene	156	8.181	8.180	0.001	91	106414	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	125415	10.0	10.4	
99 N-Propylbenzene	91	8.236	8.235	0.001	99	414135	10.0	10.2	
100 1,2,3-Trichloropropane	110	8.236	8.235	0.001	86	32652	10.0	10.7	
98 trans-1,4-Dichloro-2-butene	53	8.242	8.247	-0.005	84	33386	10.0	9.67	
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	91939	10.0	10.2	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	299293	10.0	10.3	
105 4-Chlorotoluene	126	8.412	8.418	-0.006	96	97653	10.0	10.5	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	57326	10.0	10.3	
107 1,2,4-Trimethylbenzene	105	8.687	8.693	-0.006	97	314368	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	387026	10.0	10.2	
110 4-Isopropyltoluene	119	8.943	8.942	0.001	97	339343	10.0	10.4	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	98	202006	10.0	10.2	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	97	207586	10.0	10.0	
115 n-Butylbenzene	91	9.290	9.290	0.000	98	309738	10.0	10.5	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	99	206344	10.0	10.5	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	85	23520	10.0	11.0	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	95	147357	10.0	10.5	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	74010	10.0	10.2	
121 Naphthalene	128	10.900	10.899	0.001	97	365663	10.0	11.0	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.001	96	147046	10.0	10.6	
S 125 1,2-Dichloroethene, Total	1				0			20.5	
S 126 1,3-Dichloropropene, Total	1				0			21.5	
S 124 Xylenes, Total	1				0			20.7	
S 123 Total BTEX	1				0			51.1	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added:	5.00	Units: uL	
GAS CORP mix_00641	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00092	Amount Added:	1.00	Units: uL	Run Reagent

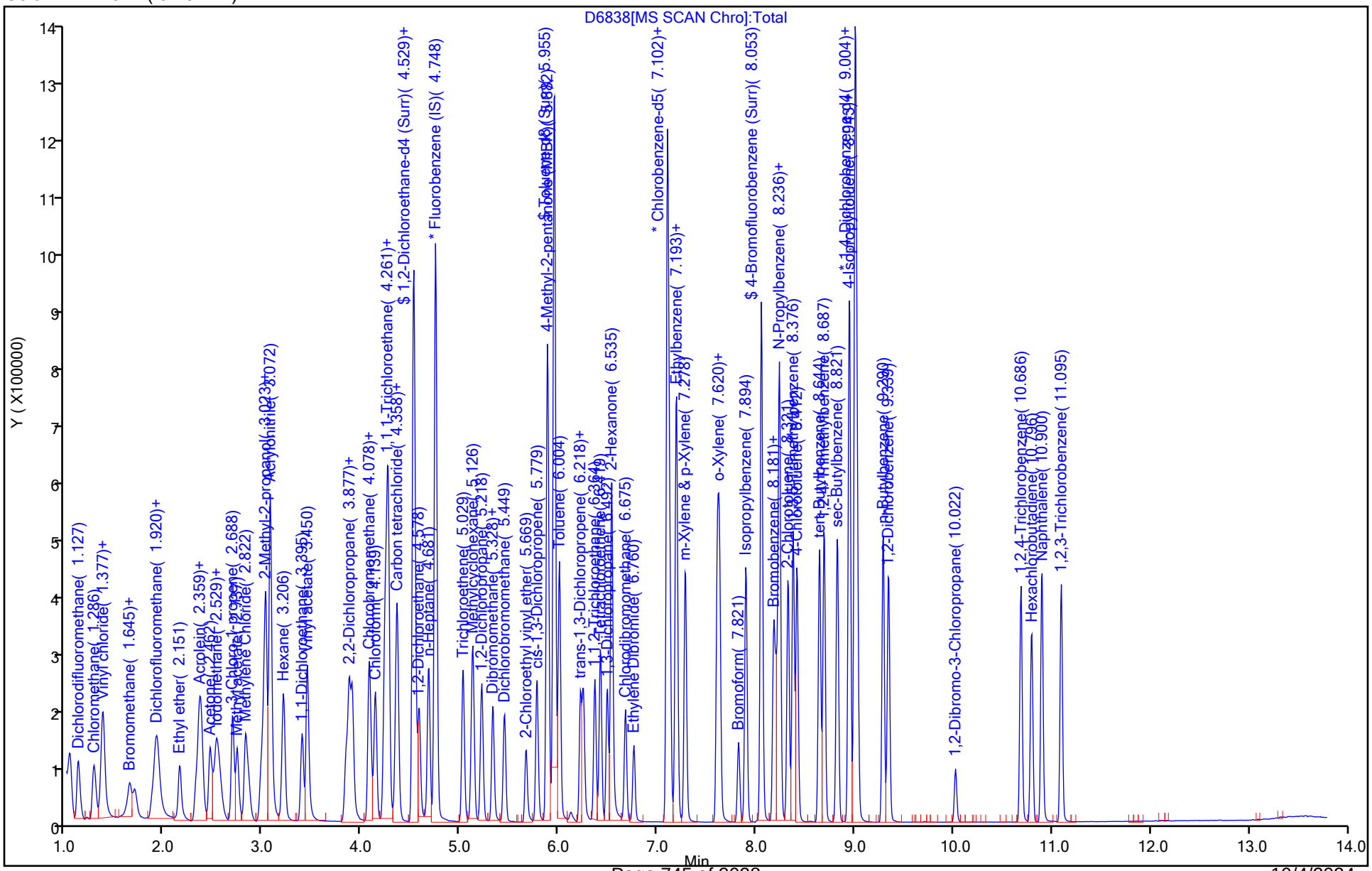
Report Date: 20-Sep-2024 11:49:13 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6838.d

Injection Date:	19-Sep-2024 16:55:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6839.d
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 19-Sep-2024 17:18:30 ALS Bottle#: 27 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0120124-018
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 11:49:24 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: G0BW Date: 19-Sep-2024 18:28:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	171768	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.102	0.000	87	336464	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	363759	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	276603	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	157704	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	809442	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.000	95	279805	25.0	24.8	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	350993	25.0	25.4	
12 Chloromethane	50	1.280	1.280	0.000	99	372773	25.0	24.3	
13 Vinyl chloride	62	1.359	1.359	0.000	98	233609	25.0	24.7	
144 Butadiene	54	1.377	1.377	0.000	98	228427	25.0	24.3	
14 Bromomethane	94	1.645	1.645	0.000	92	175416	25.0	24.5	
15 Chloroethane	64	1.700	1.700	0.000	96	116787	25.0	24.6	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	98	385522	25.0	25.0	
17 Trichlorofluoromethane	101	1.914	1.914	0.000	98	306239	25.0	24.7	
18 Ethyl ether	59	2.151	2.151	0.000	96	152307	25.0	25.0	
20 Acrolein	56	2.316	2.316	0.000	97	125442	125.0	128.1	
22 1,1-Dichloroethene	96	2.359	2.359	0.000	94	178467	25.0	25.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.359	0.000	93	197913	25.0	25.0	
23 Acetone	43	2.462	2.462	0.000	97	447408	125.0	123.1	
25 Iodomethane	142	2.517	2.517	0.000	100	431129	25.0	25.1	
26 Carbon disulfide	76	2.548	2.548	0.000	100	640370	25.0	24.8	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	394663	25.0	25.3	
27 Methyl acetate	43	2.737	2.737	0.000	100	462310	50.0	50.2	
30 Methylene Chloride	84	2.822	2.822	0.000	96	218441	25.0	24.9	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	97	294797	250.0	261.9	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	567294	25.0	25.3	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	94	200473	25.0	24.8	
33 Acrylonitrile	53	3.072	3.072	0.000	96	1030682	250.0	251.2	
35 Hexane	57	3.206	3.206	0.000	95	286620	25.0	23.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	97	403941	25.0	24.6	
37 Vinyl acetate	43	3.444	3.444	0.000	96	1167859	50.0	54.7	
44 2,2-Dichloropropane	77	3.846	3.846	0.000	92	219417	25.0	24.8	
45 cis-1,2-Dichloroethene	96	3.877	3.877	0.000	83	227960	25.0	25.1	
43 2-Butanone (MEK)	43	3.901	3.901	0.000	97	720775	125.0	130.0	
48 Chlorobromomethane	128	4.072	4.072	0.000	96	133707	25.0	25.3	
49 Tetrahydrofuran	42	4.084	4.084	0.000	93	192339	50.0	48.2	
50 Chloroform	83	4.139	4.139	0.000	95	389557	25.0	23.7	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	99	314671	25.0	25.0	
52 Cyclohexane	56	4.242	4.242	0.000	97	360074	25.0	24.3	
55 Carbon tetrachloride	117	4.352	4.352	0.000	98	292448	25.0	24.6	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	93	263005	25.0	24.2	
57 Benzene	78	4.529	4.529	0.000	97	735178	25.0	24.0	
53 Isobutyl alcohol	43	4.535	4.535	0.000	93	347470	625.0	636.7	
58 1,2-Dichloroethane	62	4.584	4.584	0.000	97	320597	25.0	24.2	
59 n-Heptane	43	4.675	4.675	0.000	97	346259	25.0	23.1	
62 Trichloroethene	95	5.029	5.029	0.000	97	211479	25.0	24.1	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	290581	25.0	24.6	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	94	221275	25.0	25.0	
67 Dibromomethane	93	5.328	5.328	0.000	97	162024	25.0	25.6	
66 1,4-Dioxane	88	5.328	5.328	0.000	97	36793	500.0	478.0	
68 Dichlorobromomethane	83	5.449	5.449	0.000	97	284469	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	149298	25.0	26.7	
72 cis-1,3-Dichloropropene	75	5.779	5.779	0.000	92	326258	25.0	26.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	1525600	125.0	129.6	
74 Toluene	92	6.004	6.004	0.000	98	438162	25.0	23.6	
77 trans-1,3-Dichloropropene	75	6.218	6.218	0.000	93	293210	25.0	26.9	
75 Ethyl methacrylate	69	6.248	6.248	0.000	96	255759	25.0	26.4	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	93	160823	25.0	24.8	
81 Tetrachloroethene	166	6.419	6.419	0.000	96	218050	25.0	24.3	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	291150	25.0	25.3	
80 2-Hexanone	43	6.535	6.535	0.000	99	1091547	125.0	130.9	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	253217	25.0	26.2	
84 Ethylene Dibromide	107	6.760	6.760	0.000	100	217201	25.0	25.5	
87 Chlorobenzene	112	7.126	7.126	0.000	97	523420	25.0	24.0	
88 Ethylbenzene	91	7.187	7.187	0.000	99	809878	25.0	24.2	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	97	214365	25.0	25.2	
90 m-Xylene & p-Xylene	106	7.278	7.278	0.000	99	317166	25.0	24.4	
91 o-Xylene	106	7.608	7.608	0.000	96	325417	25.0	25.6	
92 Styrene	104	7.626	7.626	0.000	93	537210	25.0	25.4	
95 Bromoform	173	7.821	7.821	0.000	96	173726	25.0	26.2	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	763259	25.0	26.1	
101 Bromobenzene	156	8.181	8.181	0.000	91	251064	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	285258	25.0	25.2	
99 N-Propylbenzene	91	8.235	8.235	0.000	99	975019	25.0	25.4	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	86	74683	25.0	26.0	
98 trans-1,4-Dichloro-2-butene	53	8.242	8.242	0.000	85	81540	25.0	24.0	
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	217797	25.0	25.6	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	93	712744	25.0	26.0	
105 4-Chlorotoluene	126	8.412	8.412	0.000	96	223535	25.0	25.4	
106 tert-Butylbenzene	134	8.644	8.644	0.000	95	138715	25.0	26.4	
107 1,2,4-Trimethylbenzene	105	8.687	8.687	0.000	95	729865	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	905633	25.0	25.4	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	97	803805	25.0	26.2	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	98	460942	25.0	24.6	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	97	469365	25.0	24.0	
115 n-Butylbenzene	91	9.290	9.290	0.000	98	723155	25.0	25.9	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	99	459591	25.0	24.7	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	85	53920	25.0	26.8	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	358225	25.0	27.1	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	175353	25.0	25.6	
121 Naphthalene	128	10.900	10.900	0.000	97	857443	25.0	27.2	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	339160	25.0	26.0	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added: 12.50	Units: uL	
GAS CORP mix_00641	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00092	Amount Added: 1.00	Units: uL	Run Reagent

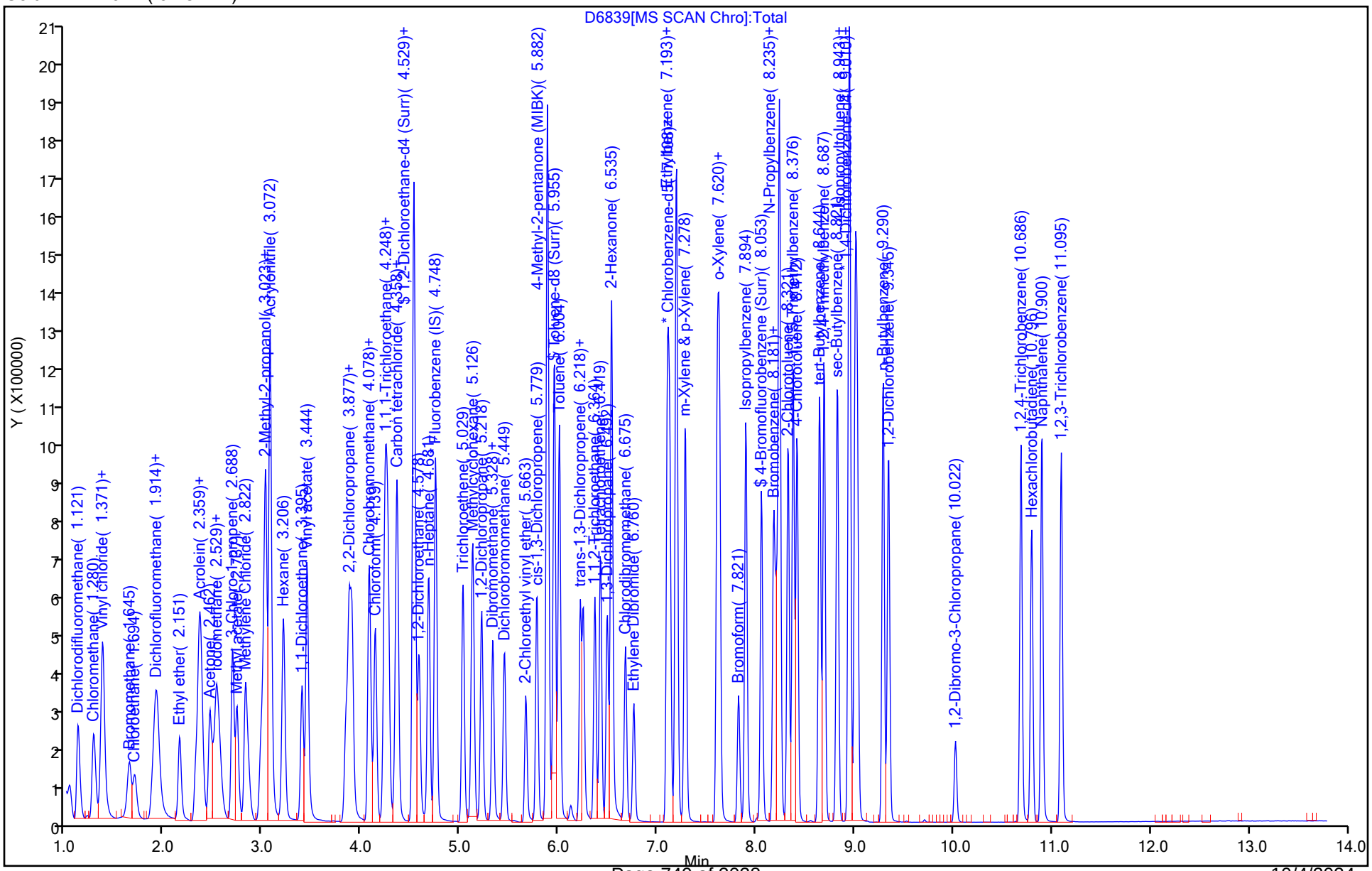
Report Date: 20-Sep-2024 11:49:25 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6839.d

Injection Date:	19-Sep-2024 17:18:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6840.d
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Sep-2024 17:40:30 ALS Bottle#: 28 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0120124-019
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 11:49:33 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: G0BW Date: 19-Sep-2024 18:39:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	171630	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.102	0.000	87	341666	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	96	365986	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	267682	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	98	153401	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	823906	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.000	94	279065	25.0	24.4	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	713202	50.0	51.6	
12 Chloromethane	50	1.280	1.280	0.000	99	732411	50.0	47.7	
13 Vinyl chloride	62	1.359	1.359	0.000	98	472258	50.0	50.0	
144 Butadiene	54	1.377	1.377	0.000	98	462331	50.0	49.3	
14 Bromomethane	94	1.639	1.645	-0.006	92	342269	50.0	47.9	
15 Chloroethane	64	1.700	1.700	0.000	96	226211	50.0	47.6	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	98	740630	50.0	48.1	
17 Trichlorofluoromethane	101	1.914	1.914	0.000	99	616004	50.0	49.8	
18 Ethyl ether	59	2.151	2.151	0.000	97	301743	50.0	49.6	
20 Acrolein	56	2.316	2.316	0.000	99	251493	250.0	257.0	
22 1,1-Dichloroethene	96	2.359	2.359	0.000	94	370961	50.0	52.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.359	0.000	67	408208	50.0	51.7	
23 Acetone	43	2.456	2.462	-0.006	97	853271	250.0	234.9	
25 Iodomethane	142	2.517	2.517	0.000	99	859409	50.0	50.1	
26 Carbon disulfide	76	2.548	2.548	0.000	100	1330050	50.0	51.6	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	798730	50.0	51.2	
27 Methyl acetate	43	2.737	2.737	0.000	100	887691	100.0	96.4	
30 Methylene Chloride	84	2.822	2.822	0.000	96	427440	50.0	49.6	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	98	586795	500.0	521.6	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	1130953	50.0	50.4	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	95	408742	50.0	50.6	
33 Acrylonitrile	53	3.072	3.072	0.000	96	1991973	500.0	485.9	
35 Hexane	57	3.206	3.206	0.000	96	619768	50.0	50.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	97	808191	50.0	49.3	
37 Vinyl acetate	43	3.444	3.444	0.000	97	2358764	100.0	110.6	
44 2,2-Dichloropropane	77	3.840	3.846	-0.006	95	443897	50.0	50.2	
45 cis-1,2-Dichloroethene	96	3.871	3.877	-0.006	85	451863	50.0	49.8	
43 2-Butanone (MEK)	43	3.901	3.901	0.000	97	1429835	250.0	258.1	
48 Chlorobromomethane	128	4.072	4.072	0.000	95	265531	50.0	50.3	
49 Tetrahydrofuran	42	4.084	4.084	0.000	93	376960	100.0	94.5	
50 Chloroform	83	4.139	4.139	0.000	95	772870	50.0	47.1	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	99	642542	50.0	51.0	
52 Cyclohexane	56	4.242	4.242	0.000	96	762949	50.0	51.6	
55 Carbon tetrachloride	117	4.352	4.352	0.000	96	607574	50.0	51.1	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	94	551099	50.0	50.7	
57 Benzene	78	4.529	4.529	0.000	97	1505532	50.0	49.2	
53 Isobutyl alcohol	43	4.535	4.535	0.000	93	707779	1250.0	1298.0	
58 1,2-Dichloroethane	62	4.578	4.584	-0.006	96	650009	50.0	49.0	
59 n-Heptane	43	4.675	4.675	0.000	97	755016	50.0	50.3	
62 Trichloroethene	95	5.029	5.029	0.000	96	440232	50.0	50.2	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	617884	50.0	52.4	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	94	451042	50.0	51.0	
67 Dibromomethane	93	5.328	5.328	0.000	97	323113	50.0	51.0	
66 1,4-Dioxane	88	5.328	5.328	0.000	84	78079	1000.0	982.4	
68 Dichlorobromomethane	83	5.443	5.449	-0.006	97	574774	50.0	51.6	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	320344	50.0	57.3	
72 cis-1,3-Dichloropropene	75	5.773	5.779	-0.006	92	680617	50.0	54.7	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	3010140	250.0	251.8	
74 Toluene	92	6.004	6.004	0.000	98	922139	50.0	49.0	
77 trans-1,3-Dichloropropene	75	6.218	6.218	0.000	96	619195	50.0	55.9	
75 Ethyl methacrylate	69	6.248	6.248	0.000	96	532897	50.0	54.1	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	93	328341	50.0	50.0	
81 Tetrachloroethene	166	6.419	6.419	0.000	97	464310	50.0	51.1	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	583049	50.0	49.8	
80 2-Hexanone	43	6.535	6.535	0.000	99	2114408	250.0	249.7	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	525285	50.0	53.6	
84 Ethylene Dibromide	107	6.760	6.760	0.000	100	451009	50.0	52.1	
87 Chlorobenzene	112	7.126	7.126	0.000	98	1099514	50.0	49.7	
88 Ethylbenzene	91	7.187	7.187	0.000	99	1714734	50.0	50.5	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	96	441328	50.0	51.2	
90 m-Xylene & p-Xylene	106	7.278	7.278	0.000	99	665514	50.0	50.5	
91 o-Xylene	106	7.608	7.608	0.000	97	669886	50.0	51.9	
92 Styrene	104	7.626	7.626	0.000	95	1109629	50.0	51.7	
95 Bromoform	173	7.821	7.821	0.000	96	369947	50.0	54.9	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	1611478	50.0	54.7	
101 Bromobenzene	156	8.181	8.181	0.000	91	518526	50.0	52.2	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	571651	50.0	50.1	
99 N-Propylbenzene	91	8.236	8.235	0.001	99	2055725	50.0	53.2	
100 1,2,3-Trichloropropane	110	8.236	8.235	0.001	85	148729	50.0	51.4	
98 trans-1,4-Dichloro-2-butene	53	8.242	8.242	0.000	85	174392	50.0	50.2	
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	452204	50.0	52.9	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	1466440	50.0	53.2	
105 4-Chlorotoluene	126	8.412	8.412	0.000	97	457634	50.0	51.7	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	296614	50.0	56.2	
107 1,2,4-Trimethylbenzene	105	8.687	8.687	0.000	98	1509412	50.0	52.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	1918306	50.0	53.4	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	97	1670204	50.0	54.1	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	98	931436	50.0	49.5	
113 1,4-Dichlorobenzene	146	9.022	9.028	-0.006	97	951499	50.0	48.3	
115 n-Butylbenzene	91	9.290	9.290	0.000	98	1511752	50.0	53.8	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	99	932554	50.0	49.9	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	87	108445	50.0	53.5	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	719619	50.0	54.0	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	353838	50.0	51.4	
121 Naphthalene	128	10.894	10.900	-0.006	97	1724911	50.0	54.4	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	670209	50.0	51.0	
S 125 1,2-Dichloroethene, Total	1				0			100.4	
S 126 1,3-Dichloropropene, Total	1				0			110.6	
S 124 Xylenes, Total	1				0			102.4	
S 123 Total BTEX	1				0			251.0	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added: 25.00	Units: uL	
GAS CORP mix_00641	Amount Added: 25.00	Units: uL	
D 8260 IS/SUR_00092	Amount Added: 1.00	Units: uL	Run Reagent

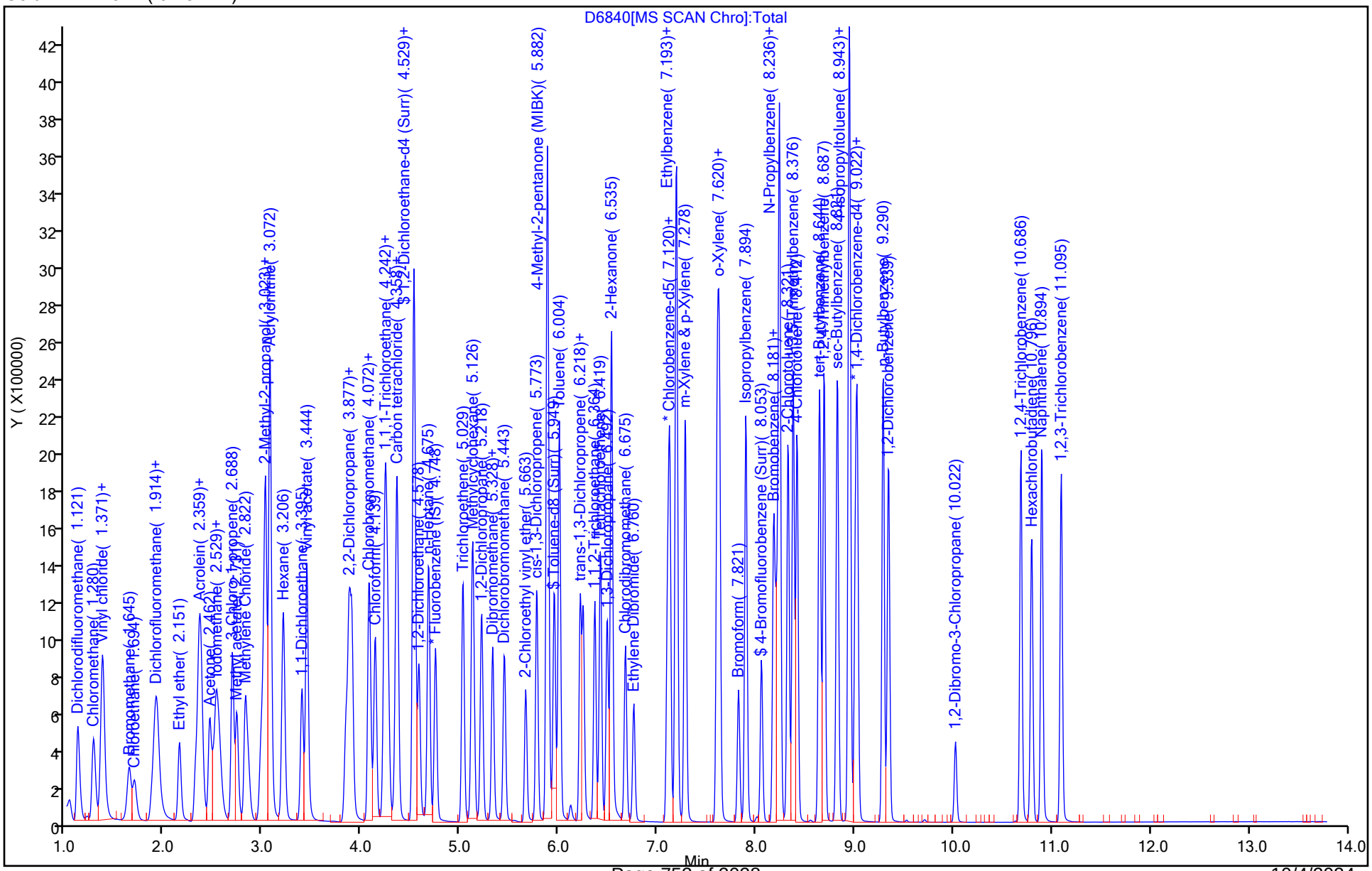
Report Date: 20-Sep-2024 11:49:34 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6840.d

Injection Date:	19-Sep-2024 17:40:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	19
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
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Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6841.d
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 19-Sep-2024 18:02:30 ALS Bottle#: 29 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0120124-020
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 11:49:44 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: G0BW Date: 19-Sep-2024 18:40:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	168463	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.102	-0.001	87	346247	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	94	362948	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	261785	25.0	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	98	148466	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	813362	25.0	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.052	8.053	-0.001	95	286332	25.0	24.7	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	1454144	100.0	107.3	
12 Chloromethane	50	1.279	1.280	-0.001	99	1479282	100.0	98.2	
13 Vinyl chloride	62	1.359	1.359	0.000	98	945629	100.0	102.0	
144 Butadiene	54	1.377	1.377	0.000	98	932049	100.0	101.3	
14 Bromomethane	94	1.645	1.645	0.000	92	692741	100.0	98.8	
15 Chloroethane	64	1.700	1.700	0.000	95	459856	100.0	98.6	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	98	1476445	100.0	97.7	
17 Trichlorofluoromethane	101	1.913	1.914	-0.001	98	1217510	100.0	100.3	
18 Ethyl ether	59	2.151	2.151	0.000	97	585647	100.0	98.0	
20 Acrolein	56	2.316	2.316	0.000	99	509339	500.0	530.2	
22 1,1-Dichloroethene	96	2.358	2.359	-0.001	94	737282	100.0	106.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.358	2.359	-0.001	94	812858	100.0	104.8	
23 Acetone	43	2.456	2.462	-0.006	98	1740804	500.0	488.3	
25 Iodomethane	142	2.517	2.517	0.000	99	1705808	100.0	101.4	
26 Carbon disulfide	76	2.547	2.548	-0.001	100	2671362	100.0	105.6	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	1599175	100.0	104.4	
27 Methyl acetate	43	2.730	2.737	-0.007	100	1830528	200.0	202.6	
30 Methylene Chloride	84	2.822	2.822	0.000	96	842072	100.0	100.5	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	96	1245172	1000.0	1127.7	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	98	2208500	100.0	100.3	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	95	793629	100.0	100.2	
33 Acrylonitrile	53	3.072	3.072	0.000	96	3961104	1000.0	984.5	
35 Hexane	57	3.206	3.206	0.000	95	1227265	100.0	102.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	96	1582541	100.0	98.4	
37 Vinyl acetate	43	3.444	3.444	0.000	96	4706238	200.0	224.9	
44 2,2-Dichloropropane	77	3.840	3.846	-0.006	95	839111	100.0	96.7	
45 cis-1,2-Dichloroethene	96	3.870	3.877	-0.007	84	885703	100.0	99.3	
43 2-Butanone (MEK)	43	3.901	3.901	0.000	97	2885769	500.0	530.6	
48 Chlorobromomethane	128	4.072	4.072	0.000	96	510929	100.0	98.5	
49 Tetrahydrofuran	42	4.084	4.084	0.000	93	747465	200.0	190.9	
50 Chloroform	83	4.139	4.139	0.000	95	1501538	100.0	93.2	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	99	1263667	100.0	102.2	
52 Cyclohexane	56	4.242	4.242	0.000	97	1508096	100.0	103.8	
55 Carbon tetrachloride	117	4.352	4.352	0.000	97	1233968	100.0	105.7	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	93	1089465	100.0	102.2	
57 Benzene	78	4.529	4.529	0.000	98	2917502	100.0	97.1	
53 Isobutyl alcohol	43	4.535	4.535	0.000	93	1485964	2500.0	2776.4	
58 1,2-Dichloroethane	62	4.578	4.584	-0.006	96	1232886	100.0	94.7	
59 n-Heptane	43	4.675	4.675	0.000	97	1458905	100.0	99.0	
62 Trichloroethene	95	5.023	5.029	-0.006	97	872044	100.0	101.3	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	1235309	100.0	106.7	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	94	896338	100.0	103.2	
67 Dibromomethane	93	5.327	5.328	-0.001	97	647245	100.0	104.2	
66 1,4-Dioxane	88	5.327	5.328	-0.001	94	163953	2000.0	2019.4	
68 Dichlorobromomethane	83	5.443	5.449	-0.006	97	1154843	100.0	105.7	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	655067	100.0	119.4	
72 cis-1,3-Dichloropropene	75	5.772	5.779	-0.007	93	1375529	100.0	112.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	5945409	500.0	490.8	
74 Toluene	92	6.004	6.004	0.000	98	1828927	100.0	95.9	
77 trans-1,3-Dichloropropene	75	6.217	6.218	-0.001	96	1252248	100.0	111.6	
75 Ethyl methacrylate	69	6.248	6.248	0.000	96	1066221	100.0	106.8	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	92	654661	100.0	98.3	
81 Tetrachloroethene	166	6.419	6.419	0.000	97	913604	100.0	99.1	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	1177720	100.0	99.3	
80 2-Hexanone	43	6.535	6.535	-0.001	100	4155993	500.0	484.2	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	1064669	100.0	107.2	
84 Ethylene Dibromide	107	6.760	6.760	0.000	99	913453	100.0	104.0	
87 Chlorobenzene	112	7.126	7.126	0.000	94	2202286	100.0	98.2	
88 Ethylbenzene	91	7.187	7.187	0.000	99	3454711	100.0	100.3	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	97	891213	100.0	102.0	
90 m-Xylene & p-Xylene	106	7.278	7.278	0.000	99	1344840	100.0	100.7	
91 o-Xylene	106	7.607	7.608	-0.001	97	1330633	100.0	101.7	
92 Styrene	104	7.626	7.626	0.000	93	2173852	100.0	99.9	
95 Bromoform	173	7.821	7.821	0.000	97	757842	100.0	111.0	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	3220304	100.0	110.3	
101 Bromobenzene	156	8.181	8.181	0.000	90	1037110	100.0	105.3	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	1131939	100.0	100.1	
99 N-Propylbenzene	91	8.235	8.235	0.000	99	4012314	100.0	104.7	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	84	289294	100.0	100.9	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.242	-0.001	85	352308	100.0	101.6	
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	884452	100.0	104.3	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	2893593	100.0	105.8	
105 4-Chlorotoluene	126	8.418	8.412	0.006	97	901616	100.0	102.8	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	582362	100.0	111.2	
107 1,2,4-Trimethylbenzene	105	8.693	8.687	0.006	98	2959545	100.0	104.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.827	8.821	0.006	95	3803538	100.0	106.7	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	97	3308921	100.0	108.0	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	99	1818705	100.0	97.4	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	96	1889961	100.0	96.7	
115 n-Butylbenzene	91	9.290	9.290	0.000	98	2988565	100.0	107.3	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	99	1812619	100.0	97.7	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	88	224136	100.0	111.5	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	95	1434572	100.0	108.6	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	679087	100.0	99.4	
121 Naphthalene	128	10.900	10.900	0.000	97	3462123	100.0	110.1	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	1305966	100.0	100.2	
S 125 1,2-Dichloroethene, Total	1				0			199.5	
S 126 1,3-Dichloropropene, Total	1				0			224.2	
S 124 Xylenes, Total	1				0			202.3	
S 123 Total BTEX	1				0			495.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added: 50.00	Units: uL	
GAS CORP mix_00641	Amount Added: 50.00	Units: uL	
D 8260 IS/SUR_00092	Amount Added: 1.00	Units: uL	Run Reagent

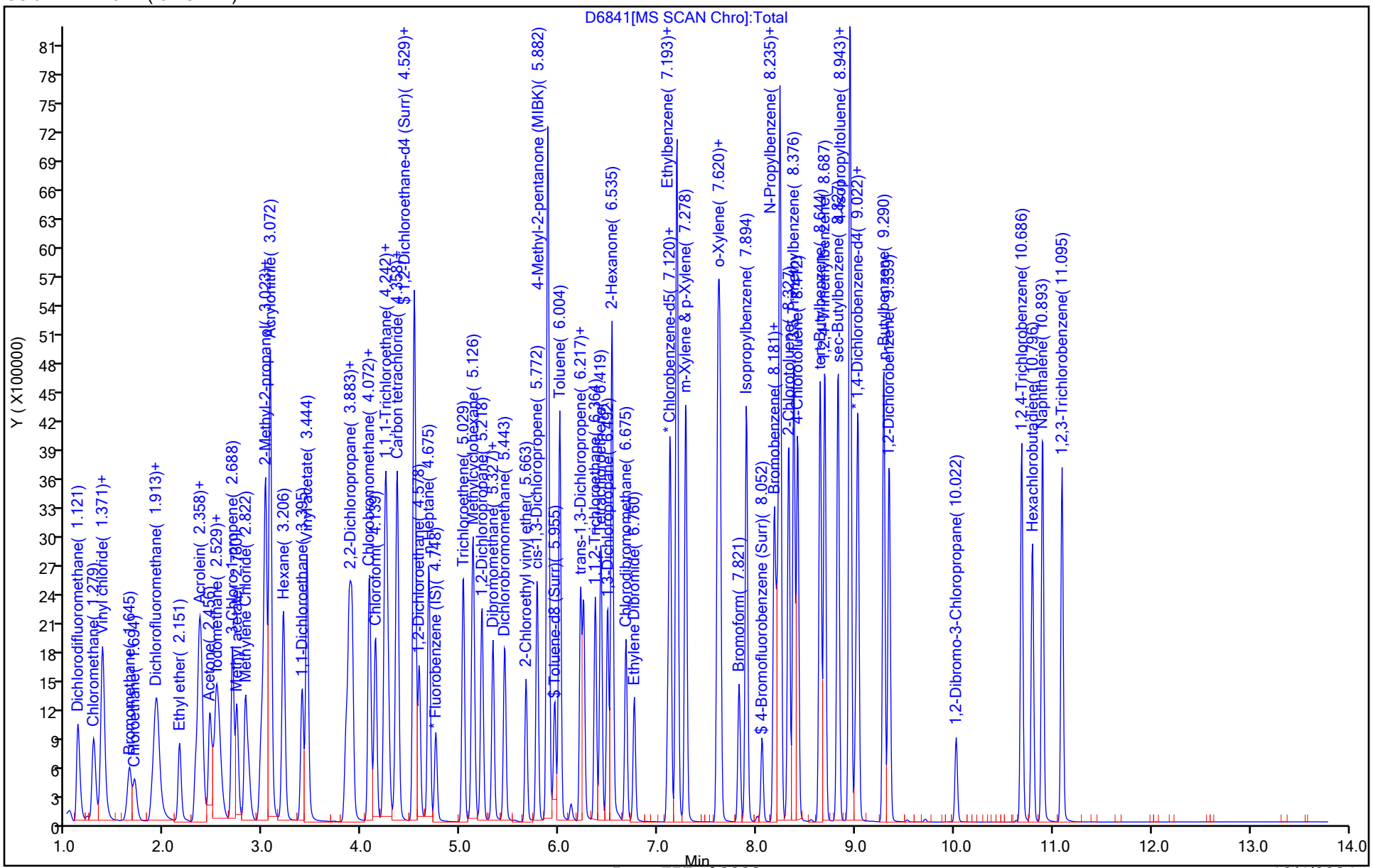
Report Date: 20-Sep-2024 11:49:45 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6841.d

Injection Date:	19-Sep-2024 18:02:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Sep-2024 00:18:30 ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0120124-047
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 11:50:39 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: WLL8 Date: 20-Sep-2024 10:39:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	190760	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.102	0.000	87	375819	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	433411	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	308036	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	173988	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	5.949	5.955	-0.006	94	896455	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.000	94	312695	25.0	24.8	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	96	7836	0.4000	0.5106	
12 Chloromethane	50	1.280	1.280	0.000	97	8711	0.4000	0.5109	
13 Vinyl chloride	62	1.359	1.359	0.000	94	4870	0.4000	0.4640	
144 Butadiene	54	1.371	1.377	-0.006	96	5479	0.4000	0.5256	
14 Bromomethane	94	1.645	1.645	0.000	70	4646	0.4000	0.5850	M
15 Chloroethane	64	1.694	1.700	-0.006	84	2388	0.4000	0.4524	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	92	7784	0.4000	0.4547	
17 Trichlorofluoromethane	101	1.926	1.914	0.012	70	6319	0.4000	0.4595	
18 Ethyl ether	59	2.151	2.151	0.000	96	2732	0.4000	0.4039	
20 Acrolein	56	2.316	2.316	0.000	0	2019	2.00	1.86	M
22 1,1-Dichloroethene	96	2.353	2.359	-0.006	95	2817	0.4000	0.3583	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.359	0.000	68	3410	0.4000	0.3882	
23 Acetone	43	2.456	2.462	-0.006	97	8948	2.00	2.22	
25 Iodomethane	142	2.499	2.517	-0.018	95	7554	0.4000	0.3966	
26 Carbon disulfide	76	2.535	2.548	-0.013	98	11674	0.4000	0.4074	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	88	6950	0.4000	0.4008	
27 Methyl acetate	43	2.743	2.737	0.006	97	7902	0.8000	0.7722	
30 Methylene Chloride	84	2.822	2.822	0.000	97	12046	0.4000	0.4164	
31 2-Methyl-2-propanol	59	2.974	2.980	-0.006	93	4962	4.00	3.97	
32 Methyl tert-butyl ether	73	3.011	3.017	-0.006	97	9929	0.4000	0.3980	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	96	3567	0.4000	0.3976	
33 Acrylonitrile	53	3.078	3.072	0.006	0	18185	4.00	3.99	M
35 Hexane	57	3.206	3.206	0.000	91	5955	0.4000	0.4396	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	92	7673	0.4000	0.4213	
37 Vinyl acetate	43	3.456	3.444	0.012	0	15733	0.8000	0.6639	M
44 2,2-Dichloropropane	77	3.846	3.846	0.000	86	3792	0.4000	0.3860	
45 cis-1,2-Dichloroethene	96	3.877	3.877	0.000	81	4198	0.4000	0.4158	
43 2-Butanone (MEK)	43	3.919	3.901	0.018	0	11435	2.00	1.86	M
48 Chlorobromomethane	128	4.072	4.072	0.000	93	2336	0.4000	0.3978	
49 Tetrahydrofuran	42	4.096	4.084	0.012	88	4031	0.8000	0.9090	
50 Chloroform	83	4.139	4.139	0.000	95	10254	0.4000	0.5619	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	0	5340	0.4000	0.3813	M
52 Cyclohexane	56	4.242	4.242	0.000	93	6816	0.4000	0.4145	
55 Carbon tetrachloride	117	4.346	4.352	-0.006	94	5206	0.4000	0.3940	
54 1,1-Dichloropropene	75	4.364	4.358	0.006	89	4894	0.4000	0.4053	
57 Benzene	78	4.529	4.529	0.000	92	14701	0.4000	0.4319	
53 Isobutyl alcohol	43	4.547	4.535	0.012	0	6192	10.0	10.2	M
58 1,2-Dichloroethane	62	4.584	4.584	0.000	92	6150	0.4000	0.4173	
59 n-Heptane	43	4.681	4.675	0.006	97	8010	0.4000	0.4802	
62 Trichloroethene	95	5.029	5.029	0.000	91	4156	0.4000	0.4264	
64 Methylcyclohexane	83	5.126	5.126	0.000	95	5358	0.4000	0.4087	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	88	3824	0.4000	0.3887	
67 Dibromomethane	93	5.334	5.328	0.006	96	2503	0.4000	0.3557	
66 1,4-Dioxane	88		5.328				ND	ND	
68 Dichlorobromomethane	83	5.449	5.449	0.000	0	4570	0.4000	0.3693	M
69 2-Chloroethyl vinyl ether	63	5.675	5.663	0.012	0	1690	0.4000	0.2719	M
72 cis-1,3-Dichloropropene	75	5.779	5.779	0.000	88	4532	0.4000	0.3275	
73 4-Methyl-2-pentanone (MIBK)	43	5.888	5.882	0.006	98	23444	2.00	1.78	
74 Toluene	92	6.004	6.004	0.000	96	9109	0.4000	0.4400	
77 trans-1,3-Dichloropropene	75	6.224	6.218	0.006	89	4086	0.4000	0.3356	
75 Ethyl methacrylate	69	6.254	6.248	0.006	87	2614	0.4000	0.2412	
79 1,1,2-Trichloroethane	83	6.370	6.364	0.006	85	2596	0.4000	0.3591	
81 Tetrachloroethene	166	6.419	6.419	0.000	92	4132	0.4000	0.4131	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	93	4776	0.4000	0.3709	
80 2-Hexanone	43	6.547	6.535	0.012	98	16394	2.00	1.76	
83 Chlorodibromomethane	129	6.675	6.675	0.000	86	3787	0.4000	0.3512	
84 Ethylene Dibromide	107	6.760	6.760	0.000	97	3598	0.4000	0.3775	
87 Chlorobenzene	112	7.126	7.126	0.000	96	10316	0.4000	0.4236	
88 Ethylbenzene	91	7.193	7.187	0.006	97	15805	0.4000	0.4229	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	71	3779	0.4000	0.3985	
90 m-Xylene & p-Xylene	106	7.284	7.278	0.006	97	5825	0.4000	0.4017	
91 o-Xylene	106	7.608	7.608	0.000	96	5514	0.4000	0.3882	
92 Styrene	104	7.632	7.626	0.006	92	8827	0.4000	0.3738	
95 Bromoform	173	7.821	7.821	0.000	88	2678	0.4000	0.3615	
94 Isopropylbenzene	105	7.900	7.894	0.006	96	12908	0.4000	0.3703	
101 Bromobenzene	156	8.181	8.181	0.000	87	4680	0.4000	0.3980	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	88	5544	0.4000	0.4105	
99 N-Propylbenzene	91	8.236	8.235	0.001	98	17823	0.4000	0.3896	
100 1,2,3-Trichloropropane	110	8.242	8.235	0.007	82	1353	0.4000	0.3952	
98 trans-1,4-Dichloro-2-butene	53	8.254	8.242	0.012	0	299	0.4000	0.7400	M
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	4076	0.4000	0.4027	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	93	11969	0.4000	0.3664	
105 4-Chlorotoluene	126	8.418	8.412	0.006	95	3883	0.4000	0.3707	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	2117	0.4000	0.3385	
107 1,2,4-Trimethylbenzene	105	8.693	8.687	0.006	96	12945	0.4000	0.3819	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	16352	0.4000	0.3843	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	96	13316	0.4000	0.3640	
111 1,3-Dichlorobenzene	146	8.955	8.949	0.006	95	9339	0.4000	0.4190	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	0	10470	0.4000	0.4486	M
115 n-Butylbenzene	91	9.290	9.290	0.000	97	12492	0.4000	0.3755	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	96	9194	0.4000	0.4151	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	80	683	0.4000	0.2845	
119 1,2,4-Trichlorobenzene	180	10.692	10.686	0.006	92	5750	0.4000	0.3645	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	90	3425	0.4000	0.4198	
121 Naphthalene	128	10.900	10.900	0.000	95	13369	0.4000	0.3561	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	0	6170	0.4000	0.3964	M
S 125 1,2-Dichloroethene, Total	1				0			0.8134	
S 126 1,3-Dichloropropene, Total	1				0			0.6630	
S 124 Xylenes, Total	1				0			0.7899	
S 123 Total BTEX	1				0			2.08	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00259	Amount Added:	0.40	Units: uL	
GAS CORP mix_00641	Amount Added:	0.40	Units: uL	
D 8260 IS/SUR_00092	Amount Added:	1.00	Units: uL	Run Reagent

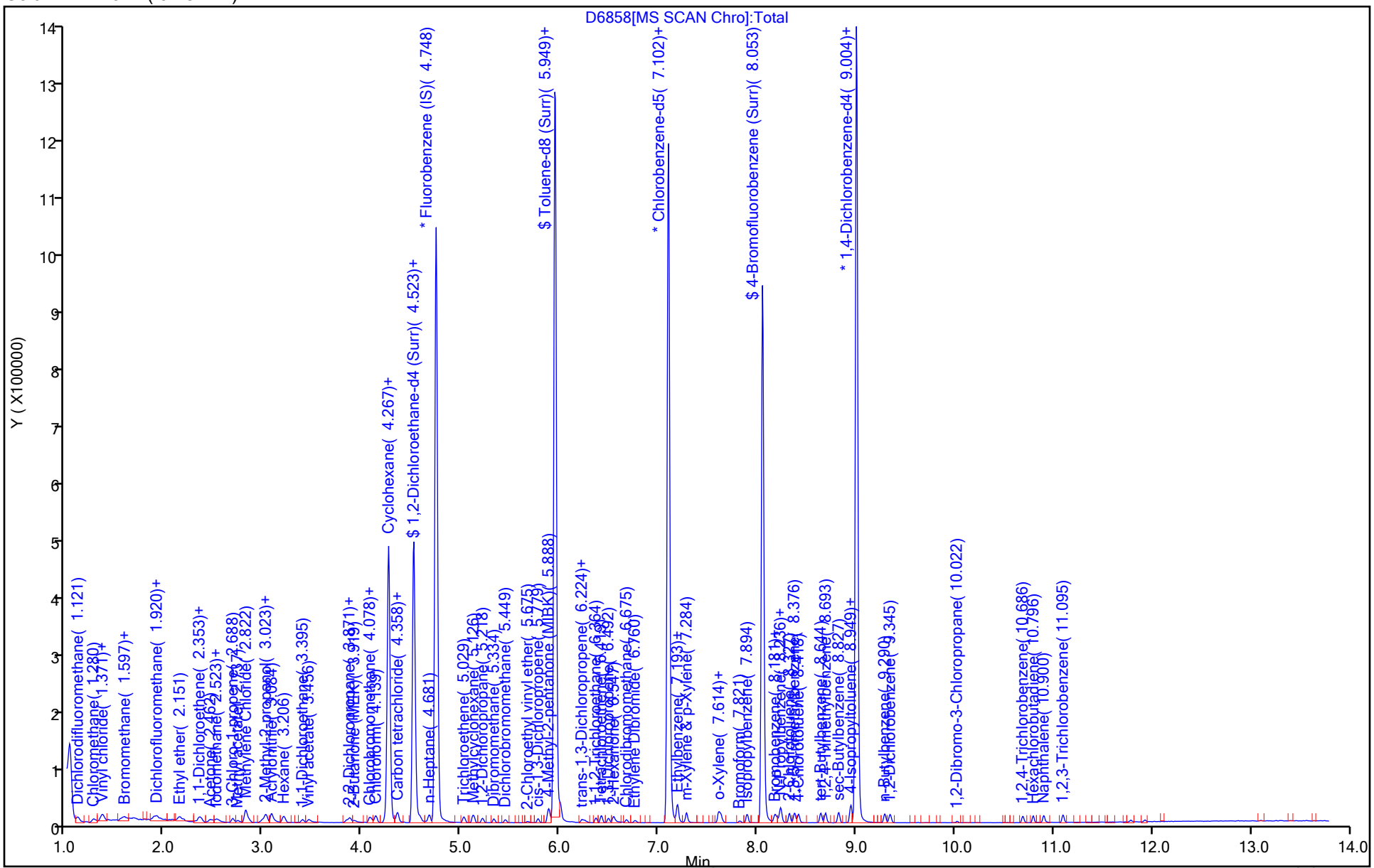
Report Date: 20-Sep-2024 11:50:40 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d

Injection Date:	20-Sep-2024 00:18:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 0.4			Worklist Smp#:	47
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	46
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

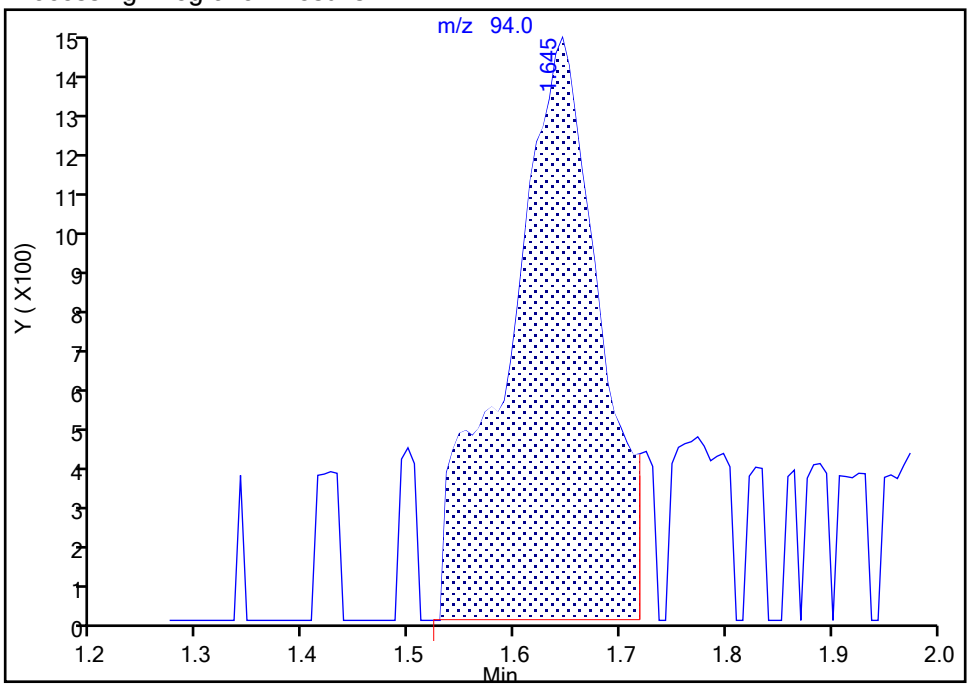
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

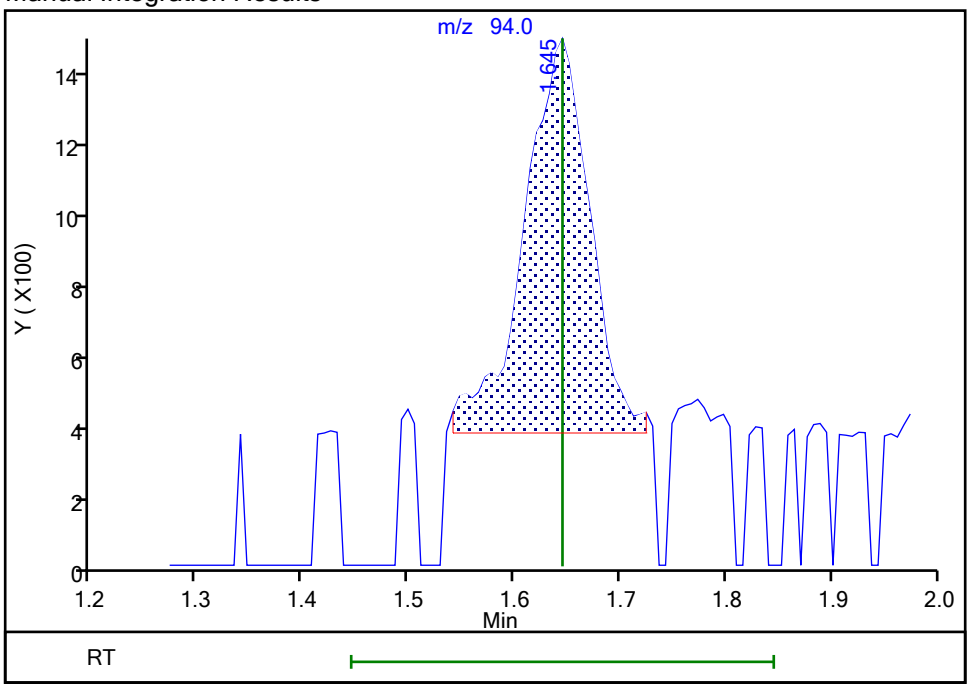
Processing Integration Results

RT: 1.65
Area: 8732
Amount: 0.400000
Amount Units: ug/L



Manual Integration Results

RT: 1.65
Area: 4646
Amount: 0.584977
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:47:12 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

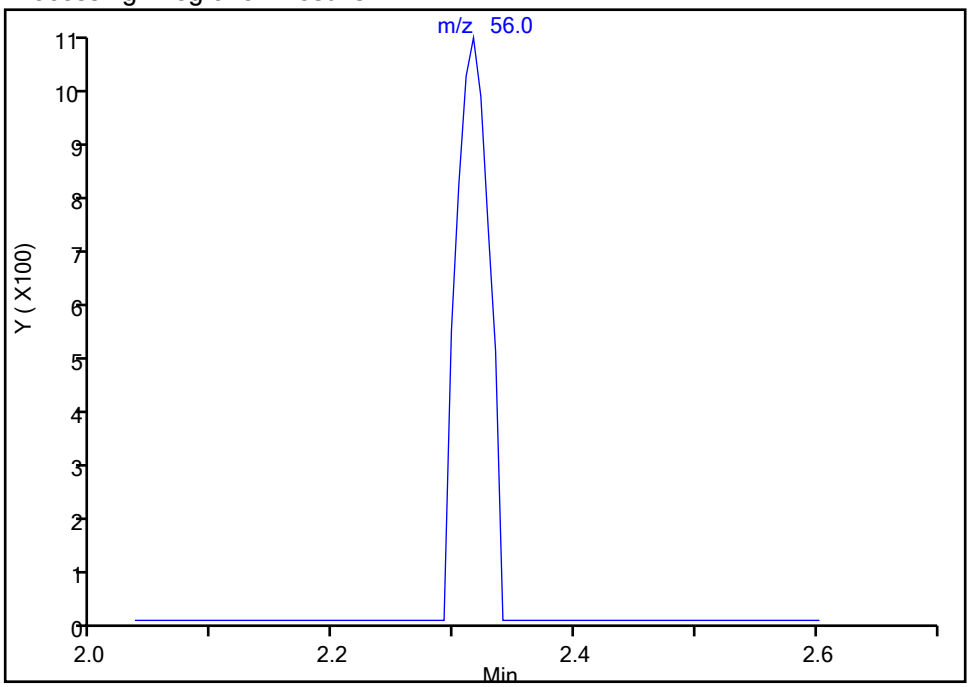
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

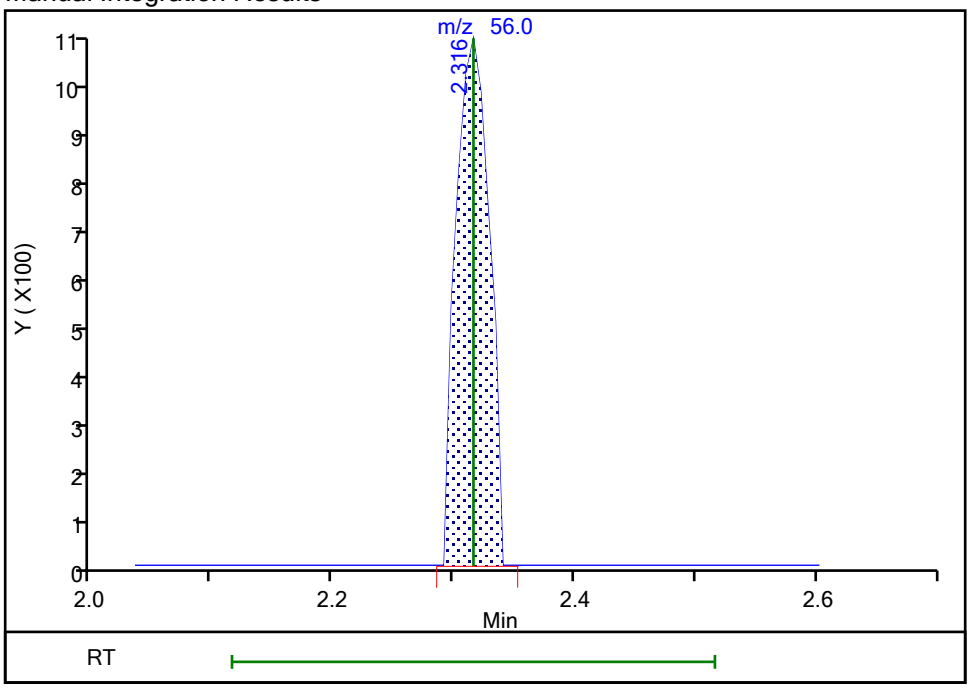
Not Detected
Expected RT: 2.32

Processing Integration Results



Manual Integration Results

RT: 2.32
Area: 2019
Amount: 1.856024
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:47:20 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

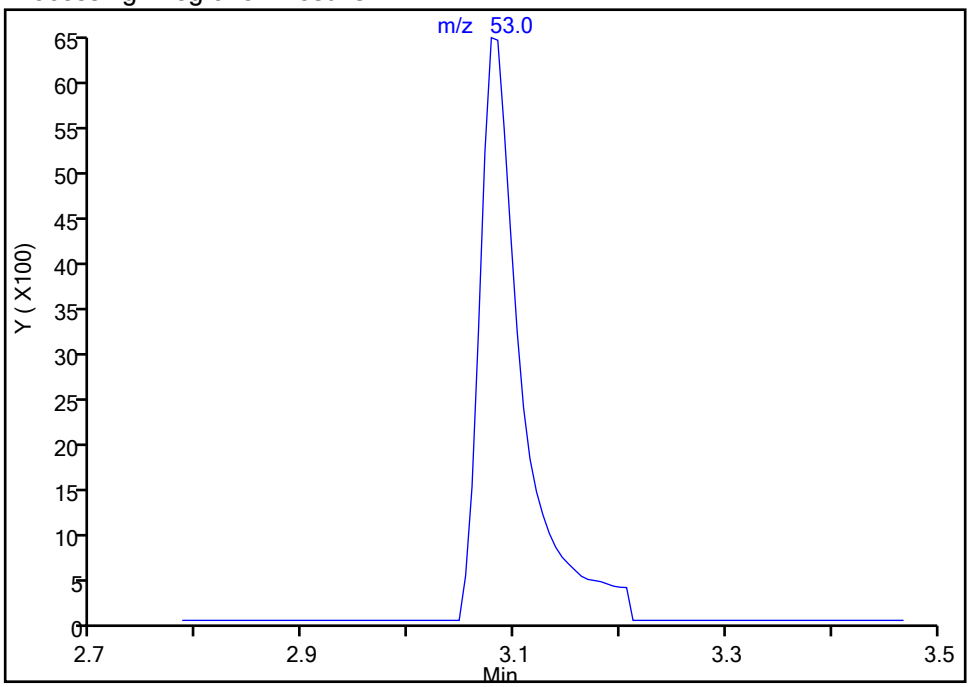
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

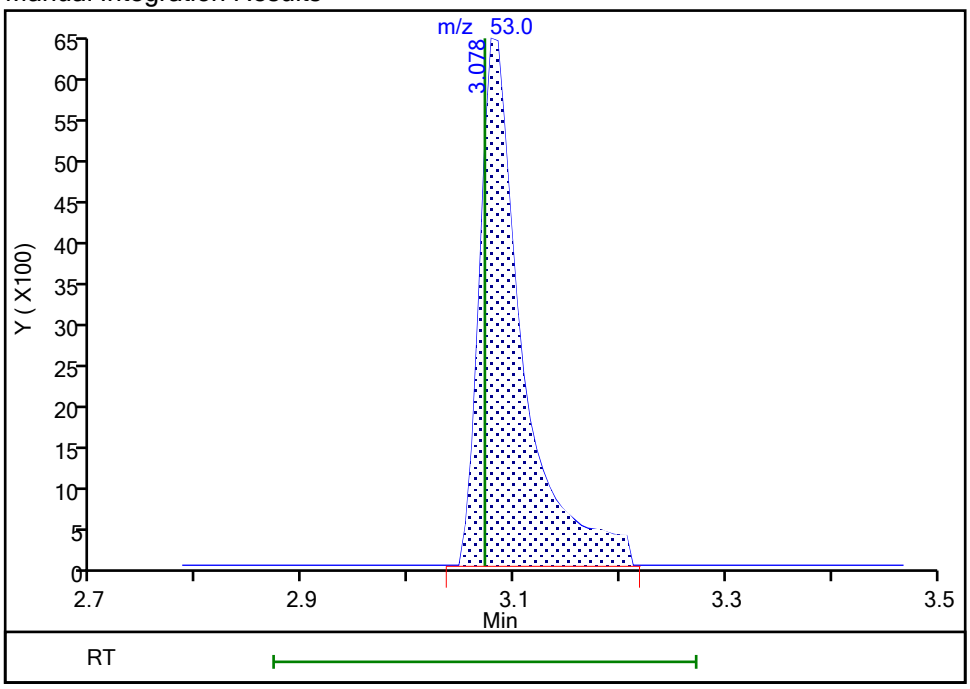
Not Detected
Expected RT: 3.07

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 18185
Amount: 3.991399
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:47:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

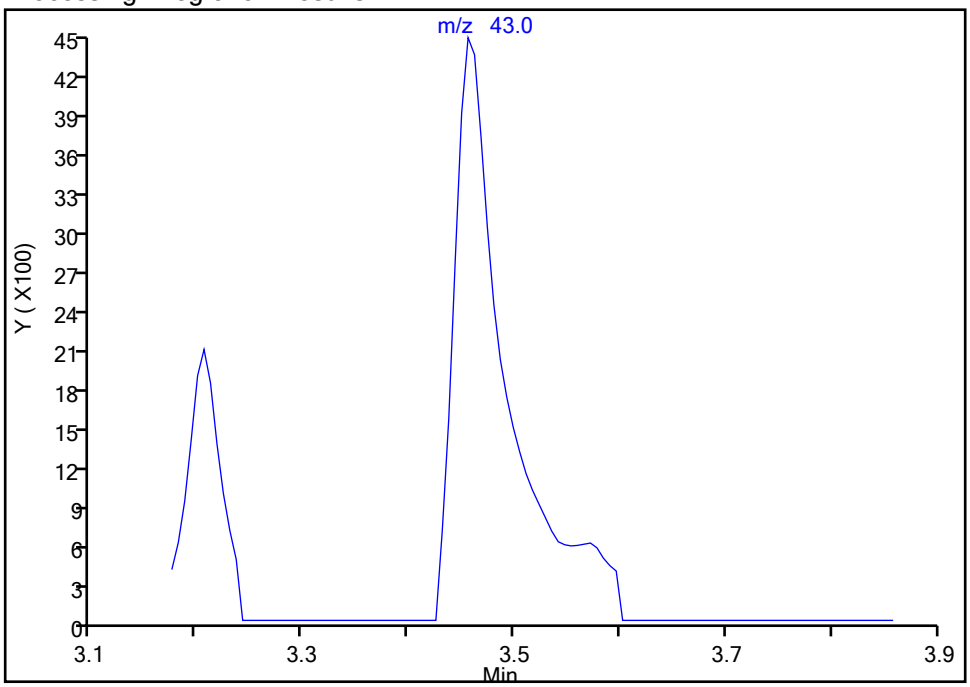
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

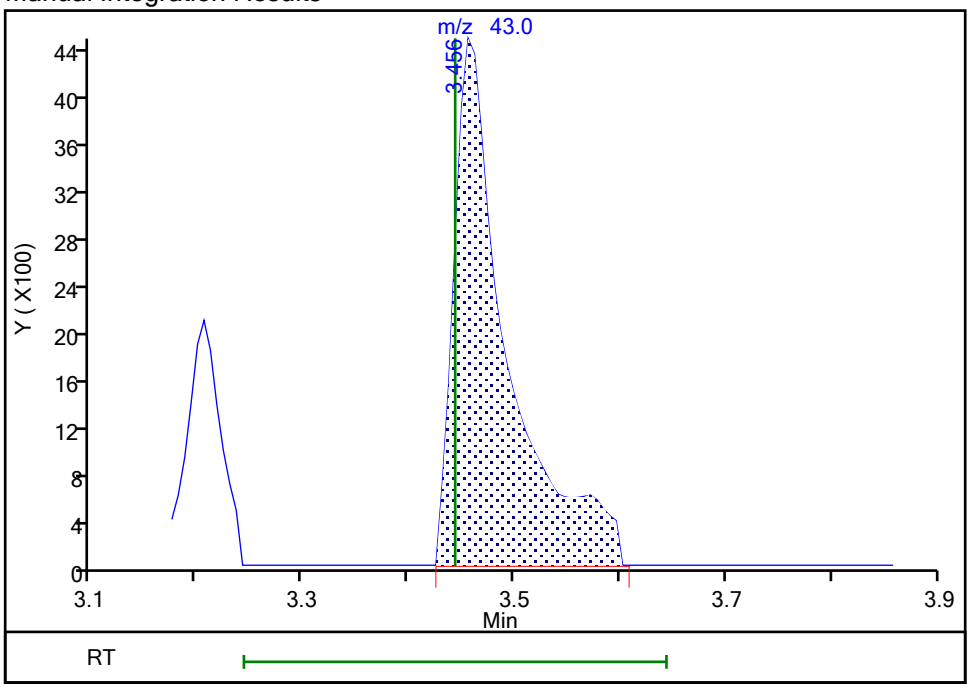
Not Detected
Expected RT: 3.44

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 15733
Amount: 0.663910
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:47:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

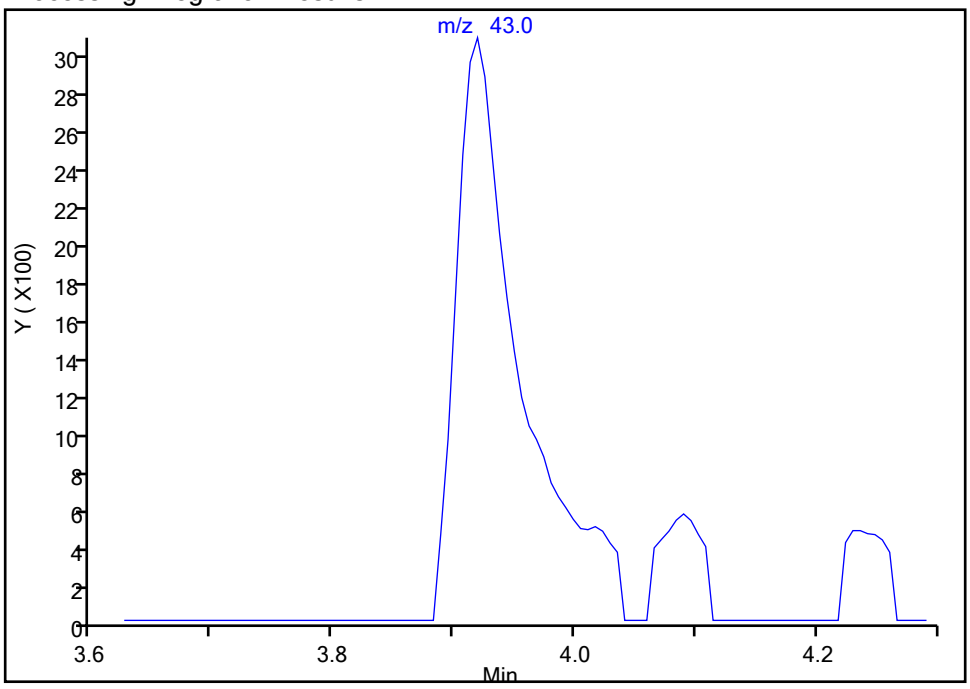
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

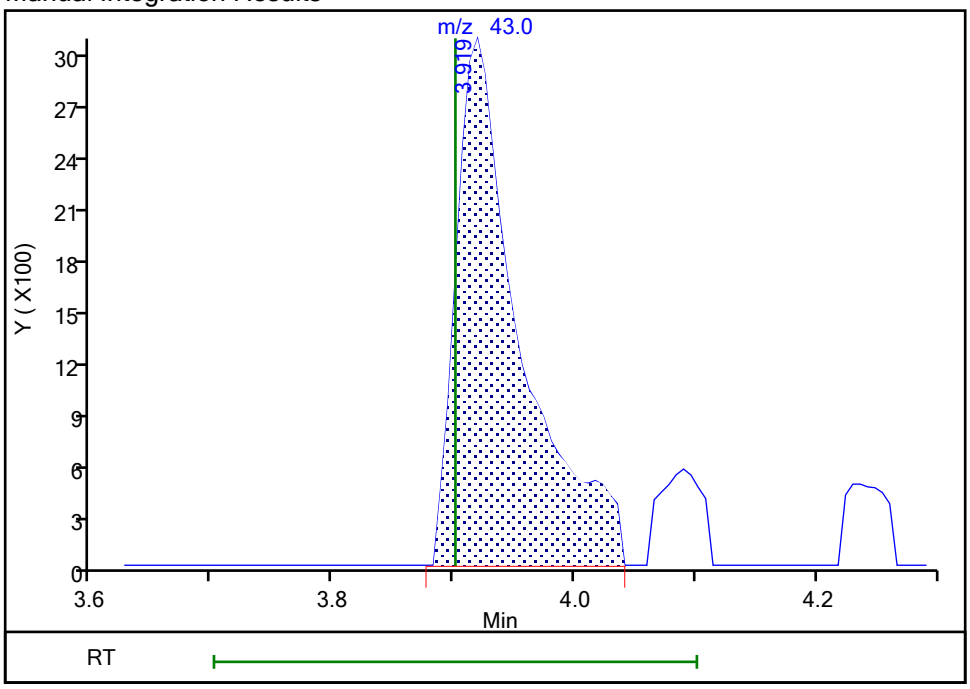
Not Detected
Expected RT: 3.90

Processing Integration Results



Manual Integration Results

RT: 3.92
Area: 11435
Amount: 1.856911
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:47:44 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

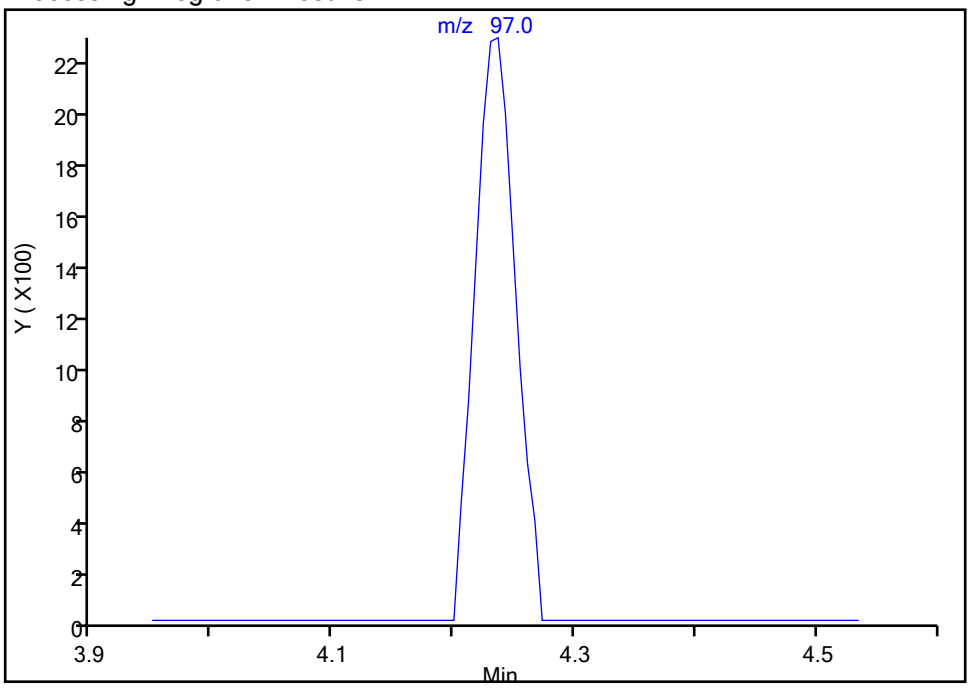
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

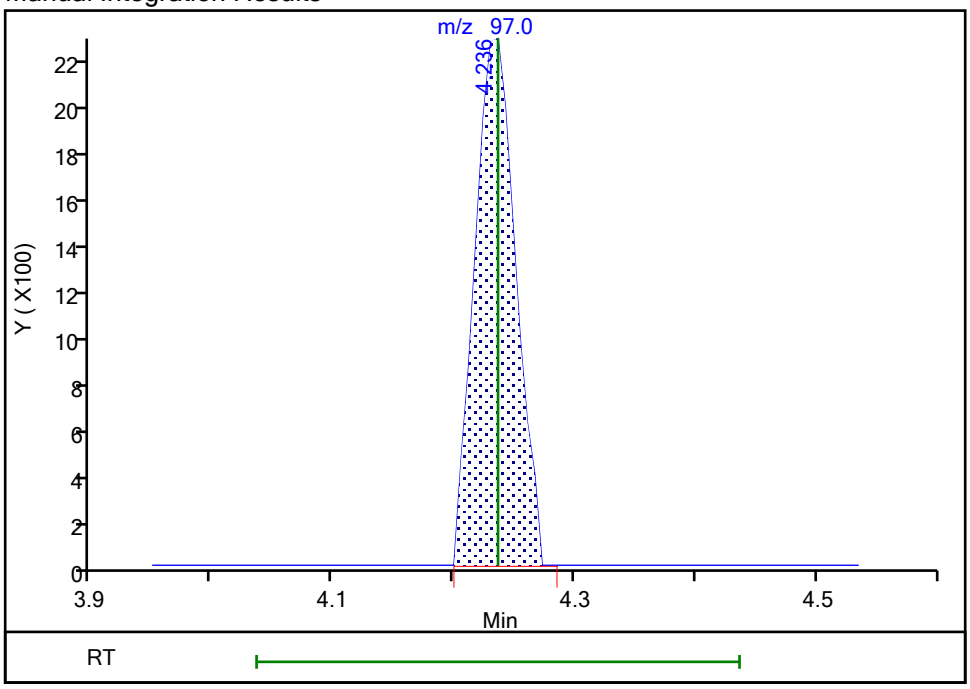
Not Detected
Expected RT: 4.24

Processing Integration Results



Manual Integration Results

RT: 4.24
Area: 5340
Amount: 0.381292
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:47:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

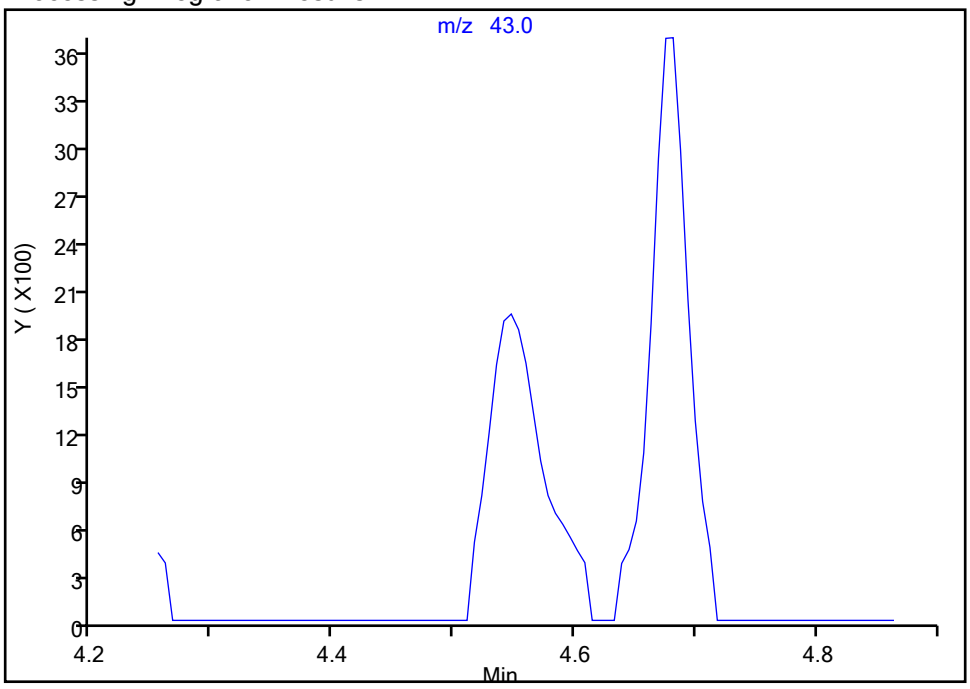
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

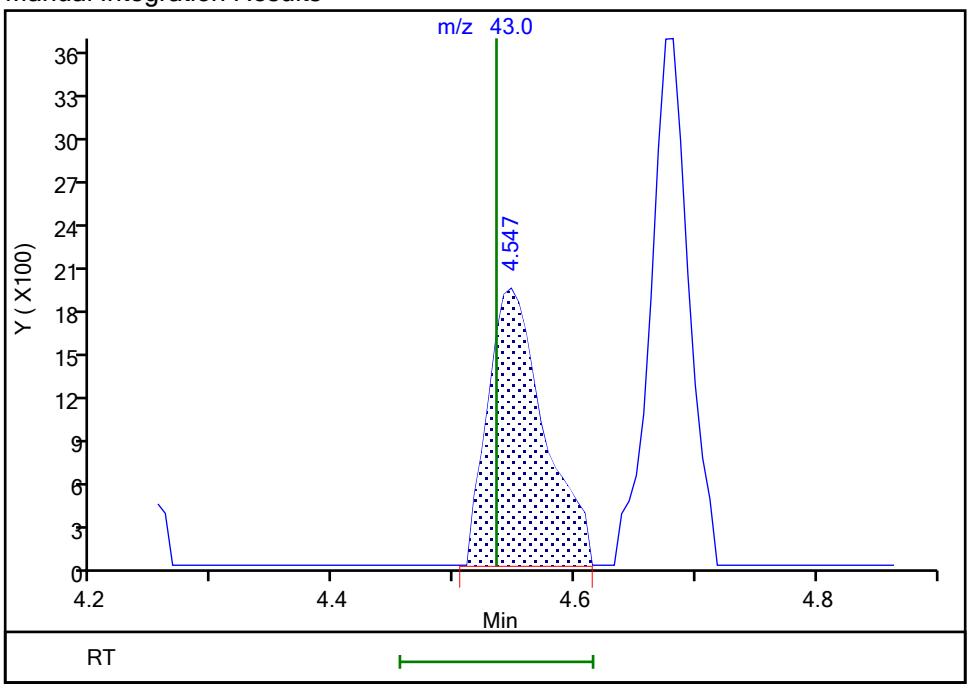
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.55
Area: 6192
Amount: 10.217077
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:47:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

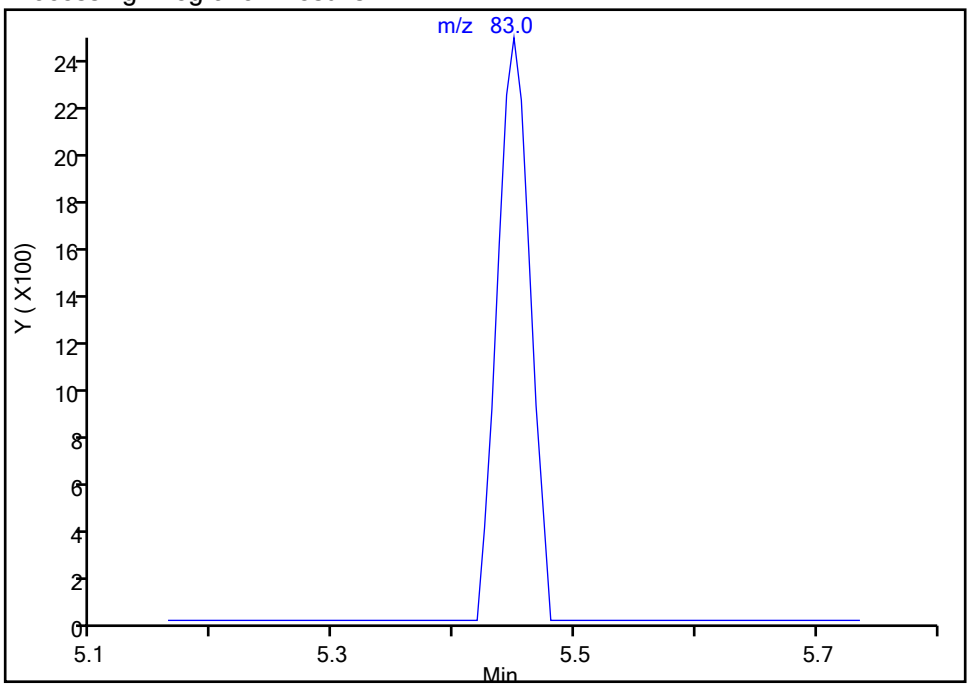
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

68 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

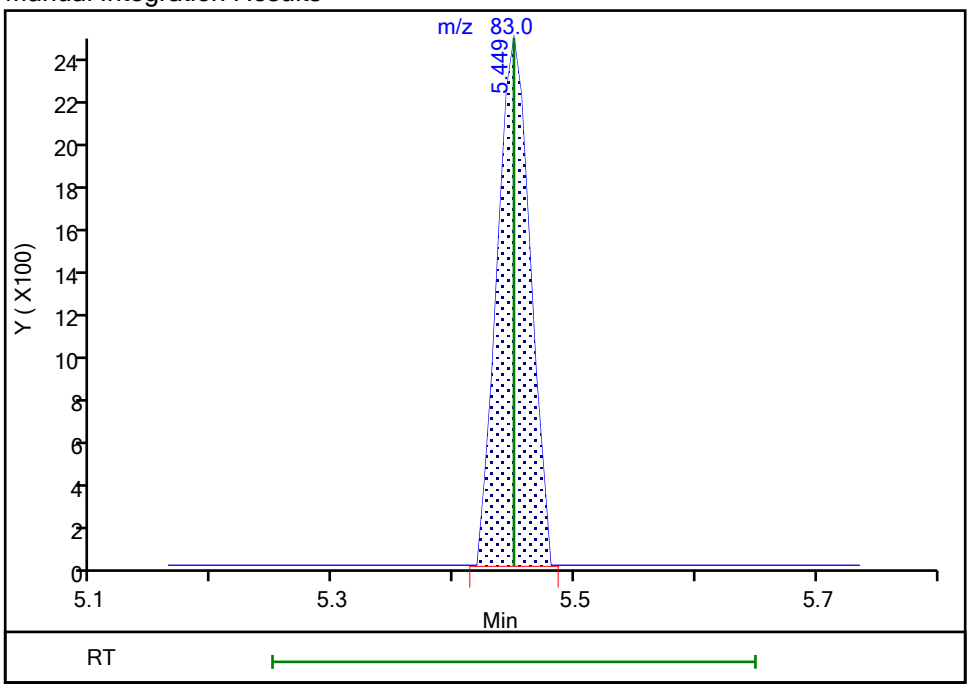
Not Detected
Expected RT: 5.45

Processing Integration Results



Manual Integration Results

RT: 5.45
Area: 4570
Amount: 0.369345
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:48:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

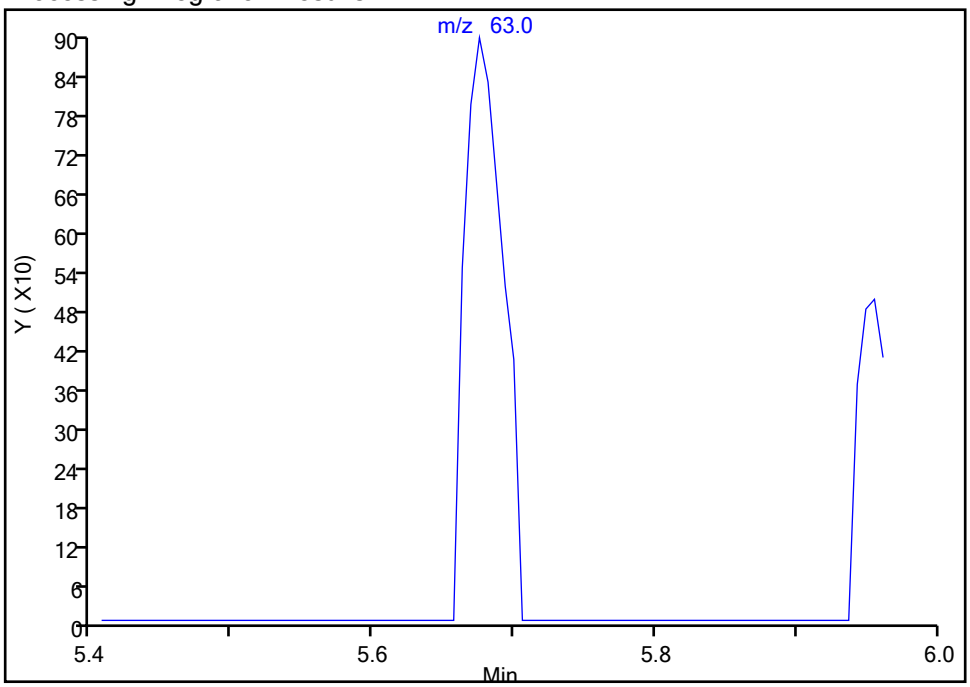
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

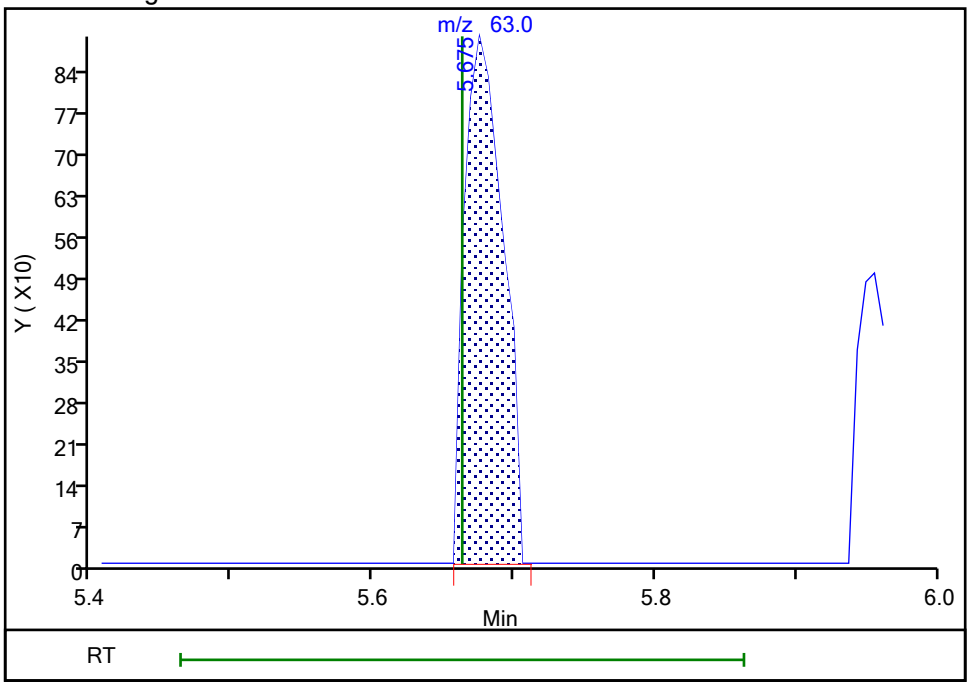
Not Detected
Expected RT: 5.66

Processing Integration Results



Manual Integration Results

RT: 5.68
Area: 1690
Amount: 0.271928
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:48:11 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

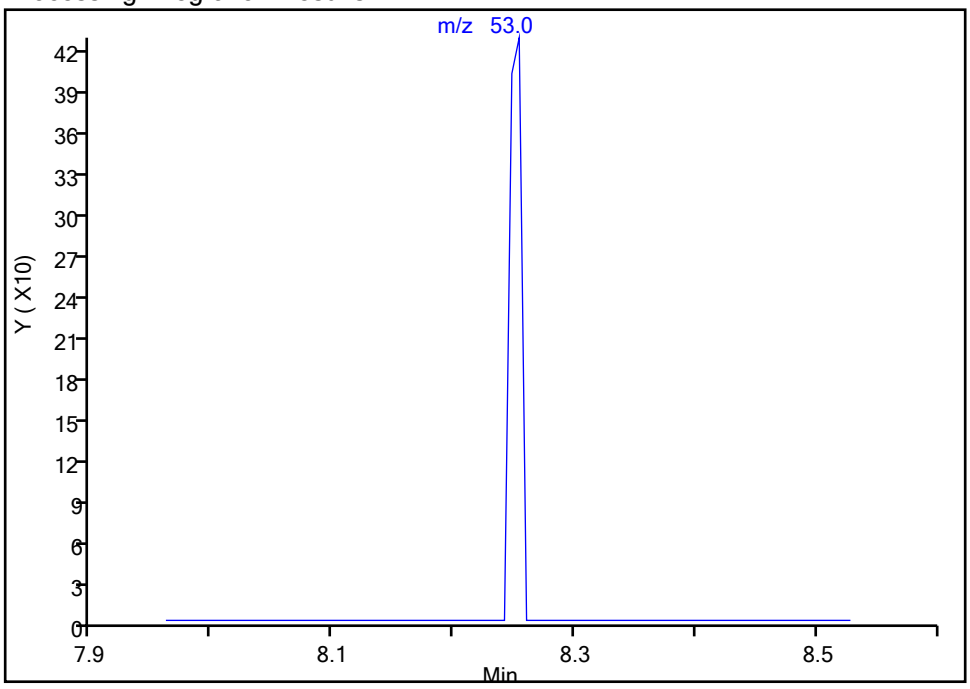
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

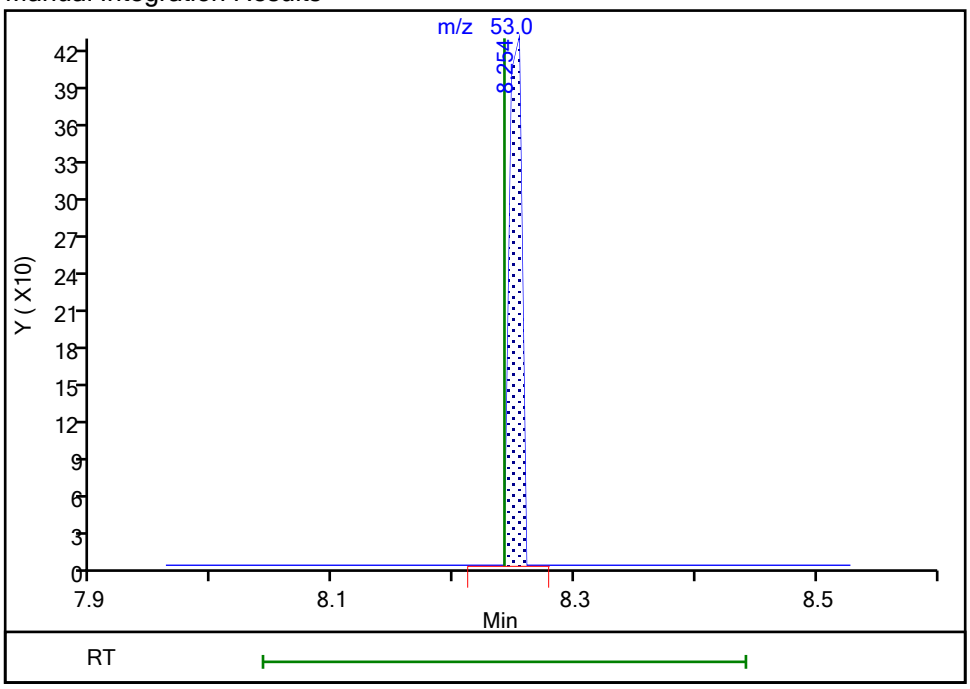
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.25
Area: 299
Amount: 0.740039
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:48:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

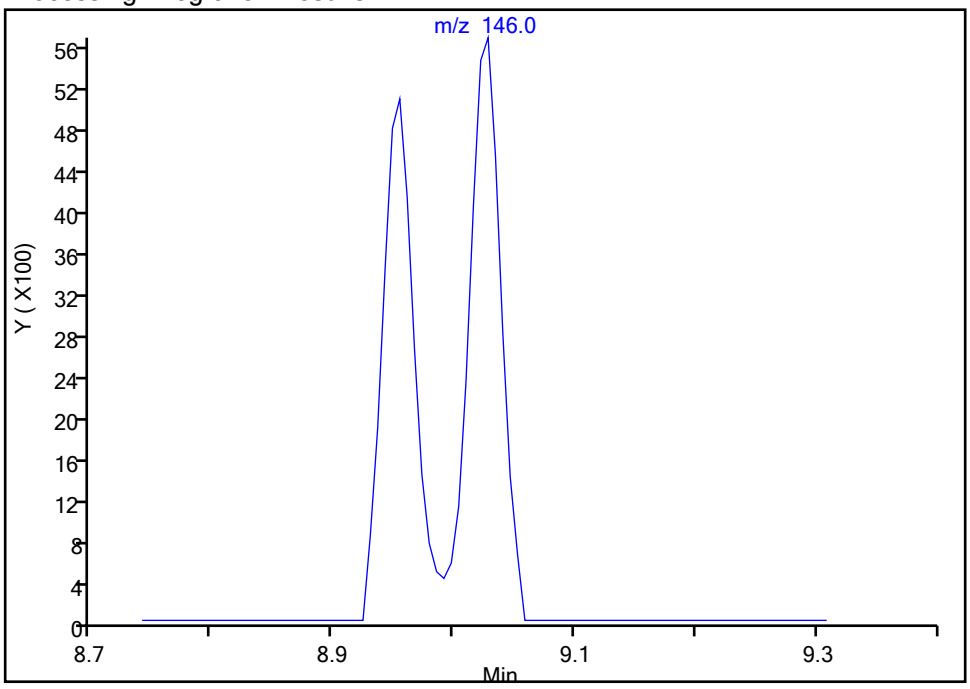
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

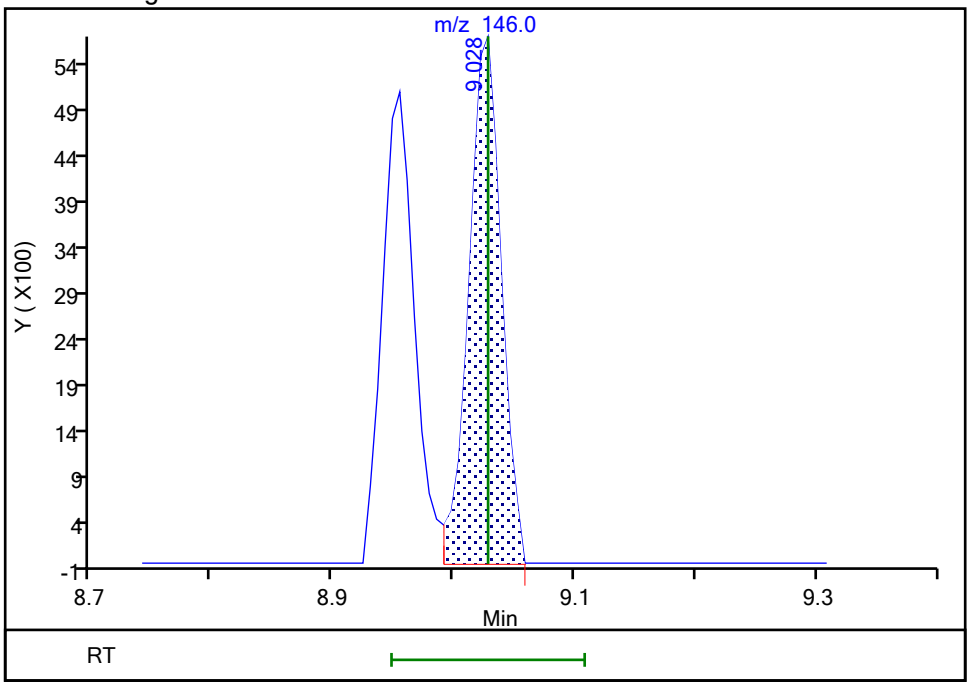
Not Detected
Expected RT: 9.03

Processing Integration Results



Manual Integration Results

RT: 9.03
Area: 10470
Amount: 0.448607
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:48:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

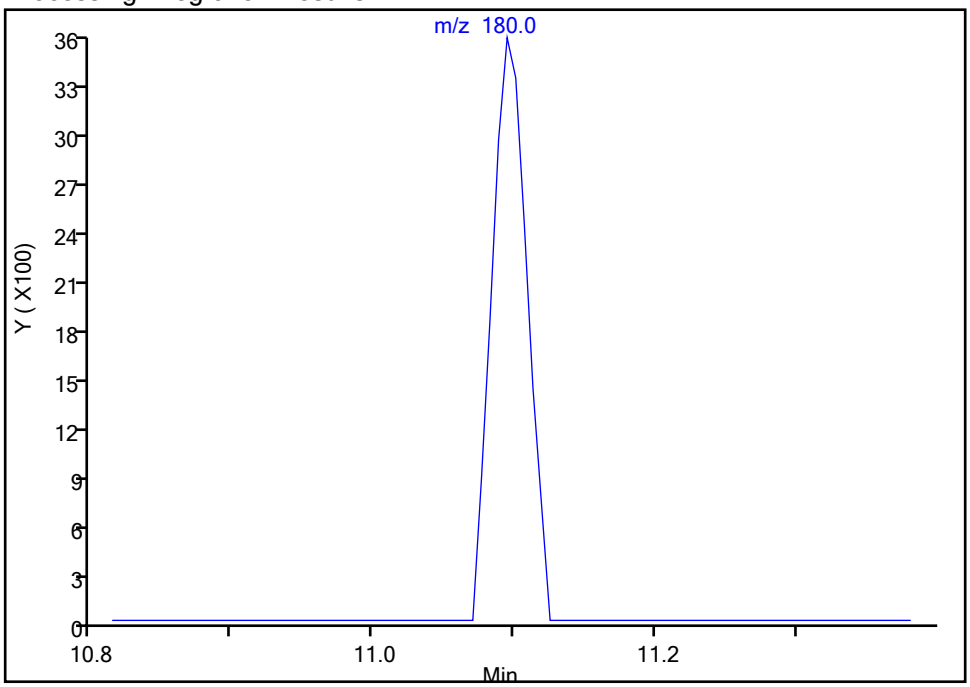
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6858.d
Injection Date: 20-Sep-2024 00:18:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 47
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

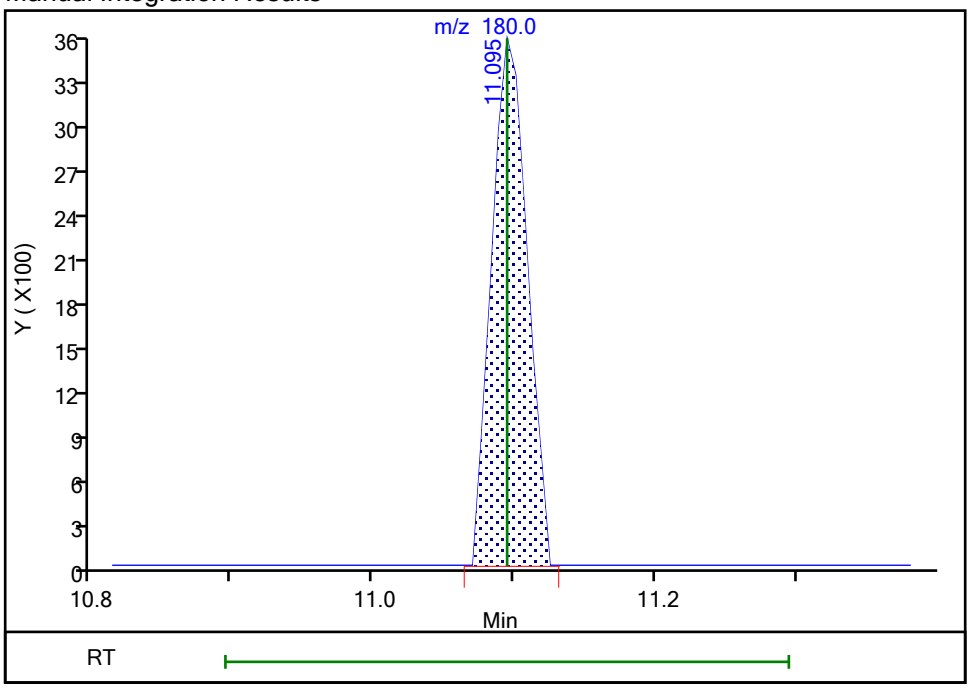
Not Detected
Expected RT: 11.09

Processing Integration Results



Manual Integration Results

RT: 11.09
Area: 6170
Amount: 0.396421
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:48:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6859.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Sep-2024 00:40:30 ALS Bottle#: 47 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0120124-048
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 11:50:58 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: WLL8 Date: 20-Sep-2024 10:50:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	189279	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.102	-0.001	87	371339	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	422897	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	93	303581	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	172722	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	888120	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.000	94	311504	25.0	25.0	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	98	16072	1.00	1.06	
12 Chloromethane	50	1.279	1.280	-0.001	98	17046	1.00	1.01	
13 Vinyl chloride	62	1.359	1.359	0.000	96	11052	1.00	1.06	
144 Butadiene	54	1.371	1.377	-0.006	97	11877	1.00	1.15	
14 Bromomethane	94	1.633	1.645	-0.012	92	9372	1.00	1.19	M
15 Chloroethane	64	1.694	1.700	-0.006	90	5783	1.00	1.10	
16 Dichlorofluoromethane	67	1.901	1.907	-0.006	94	17749	1.00	1.04	
17 Trichlorofluoromethane	101	1.889	1.914	-0.025	78	14364	1.00	1.05	
18 Ethyl ether	59	2.151	2.151	0.000	93	7486	1.00	1.12	
20 Acrolein	56	2.316	2.316	0.000	0	5036	5.00	4.67	M
22 1,1-Dichloroethene	96	2.352	2.359	-0.007	95	8073	1.00	1.03	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.359	-0.001	80	9113	1.00	1.05	
23 Acetone	43	2.456	2.462	-0.006	98	18332	5.00	4.58	
25 Iodomethane	142	2.499	2.517	-0.018	98	18756	1.00	0.99	
26 Carbon disulfide	76	2.529	2.548	-0.019	100	28578	1.00	1.01	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	16746	1.00	0.9732	
27 Methyl acetate	43	2.736	2.737	-0.001	100	20247	2.00	1.99	
30 Methylene Chloride	84	2.822	2.822	0.000	95	17202	1.00	0.9788	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	95	8469	10.0	6.83	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	24167	1.00	0.9764	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	94	8846	1.00	0.99	
33 Acrylonitrile	53	3.078	3.072	0.006	96	44363	10.0	9.81	
35 Hexane	57	3.206	3.206	0.000	93	14879	1.00	1.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	94	18001	1.00	1.00	
37 Vinyl acetate	43	3.456	3.444	0.012	96	38626	2.00	1.64	
44 2,2-Dichloropropane	77	3.840	3.846	-0.006	91	10489	1.00	1.08	
45 cis-1,2-Dichloroethene	96	3.877	3.877	-0.001	83	10023	1.00	1.00	
43 2-Butanone (MEK)	43	3.913	3.901	0.012	98	27368	5.00	4.48	
48 Chlorobromomethane	128	4.072	4.072	0.000	95	5608	1.00	0.9624	
49 Tetrahydrofuran	42	4.096	4.084	0.012	90	8622	2.00	1.96	
50 Chloroform	83	4.139	4.139	0.000	95	20668	1.00	1.14	
51 1,1,1-Trichloroethane	97	4.230	4.236	-0.006	98	14172	1.00	1.02	
52 Cyclohexane	56	4.242	4.242	0.000	97	17207	1.00	1.05	
55 Carbon tetrachloride	117	4.346	4.352	-0.006	96	13464	1.00	1.03	
54 1,1-Dichloropropene	75	4.364	4.358	0.006	93	12582	1.00	1.05	
57 Benzene	78	4.529	4.529	0.000	95	34082	1.00	1.01	
53 Isobutyl alcohol	43	4.547	4.535	0.012	90	11231	25.0	18.7	
58 1,2-Dichloroethane	62	4.584	4.584	0.000	96	14756	1.00	1.01	
59 n-Heptane	43	4.681	4.675	0.006	96	19312	1.00	1.17	
62 Trichloroethene	95	5.029	5.029	0.000	96	9591	1.00	0.99	
64 Methylcyclohexane	83	5.126	5.126	0.000	97	13405	1.00	1.03	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	88	9277	1.00	0.9504	
67 Dibromomethane	93	5.334	5.328	0.006	95	6725	1.00	0.9632	
66 1,4-Dioxane	88		5.328				ND	ND	
68 Dichlorobromomethane	83	5.449	5.449	0.000	96	11821	1.00	0.9628	
69 2-Chloroethyl vinyl ether	63	5.675	5.663	0.012	88	4479	1.00	0.7263	
72 cis-1,3-Dichloropropene	75	5.779	5.779	0.000	91	12481	1.00	0.9089	
73 4-Methyl-2-pentanone (MIBK)	43	5.888	5.882	0.006	98	59304	5.00	4.56	
74 Toluene	92	6.004	6.004	0.000	98	20914	1.00	1.02	
77 trans-1,3-Dichloropropene	75	6.224	6.218	0.006	90	10488	1.00	0.8717	
75 Ethyl methacrylate	69	6.254	6.248	0.006	93	8635	1.00	0.8065	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	91	7240	1.00	1.01	
81 Tetrachloroethene	166	6.425	6.419	0.006	94	9865	1.00	1.00	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	92	12840	1.00	1.01	
80 2-Hexanone	43	6.541	6.535	0.006	98	42828	5.00	4.65	
83 Chlorodibromomethane	129	6.675	6.675	0.000	88	9746	1.00	0.9148	
84 Ethylene Dibromide	107	6.760	6.760	0.000	98	8704	1.00	0.9243	
87 Chlorobenzene	112	7.126	7.126	0.000	97	24336	1.00	1.01	
88 Ethylbenzene	91	7.193	7.187	0.006	98	37725	1.00	1.02	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	91	8934	1.00	0.9534	
90 m-Xylene & p-Xylene	106	7.284	7.278	0.006	99	14265	1.00	1.00	
91 o-Xylene	106	7.607	7.608	-0.001	97	13537	1.00	0.9645	
92 Styrene	104	7.632	7.626	0.006	95	22575	1.00	0.9674	
95 Bromoform	173	7.827	7.821	0.006	93	6420	1.00	0.8770	
94 Isopropylbenzene	105	7.894	7.894	0.000	97	32830	1.00	0.9652	
101 Bromobenzene	156	8.181	8.181	0.000	91	10816	1.00	0.9428	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	91	12901	1.00	0.9791	
99 N-Propylbenzene	91	8.235	8.235	0.000	99	43940	1.00	0.9843	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	85	3052	1.00	0.9136	
98 trans-1,4-Dichloro-2-butene	53	8.248	8.242	0.006	70	2175	1.00	1.20	
103 2-Chlorotoluene	126	8.327	8.327	0.000	96	9492	1.00	0.9611	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	31158	1.00	0.9776	
105 4-Chlorotoluene	126	8.418	8.412	0.006	96	10031	1.00	0.9815	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	5808	1.00	0.9518	
107 1,2,4-Trimethylbenzene	105	8.693	8.687	0.006	97	32102	1.00	0.9706	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.827	8.821	0.006	95	40916	1.00	0.9855	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	98	34208	1.00	0.9583	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	97	21921	1.00	1.01	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	96	22788	1.00	1.00	
115 n-Butylbenzene	91	9.290	9.290	0.000	98	30815	1.00	0.9494	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	98	21503	1.00	0.99	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	79	1735	1.00	0.7406	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	14009	1.00	0.9101	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	96	7797	1.00	0.9794	
121 Naphthalene	128	10.900	10.900	0.000	97	32751	1.00	0.8941	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	14968	1.00	0.9856	
S 125 1,2-Dichloroethene, Total	1				0			1.99	
S 126 1,3-Dichloropropene, Total	1				0			1.78	
S 124 Xylenes, Total	1				0			1.96	
S 123 Total BTEX	1				0			5.01	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00259	Amount Added:	1.00	Units: uL	
GAS CORP mix_00641	Amount Added:	1.00	Units: uL	
D 8260 IS/SUR_00092	Amount Added:	1.00	Units: uL	Run Reagent

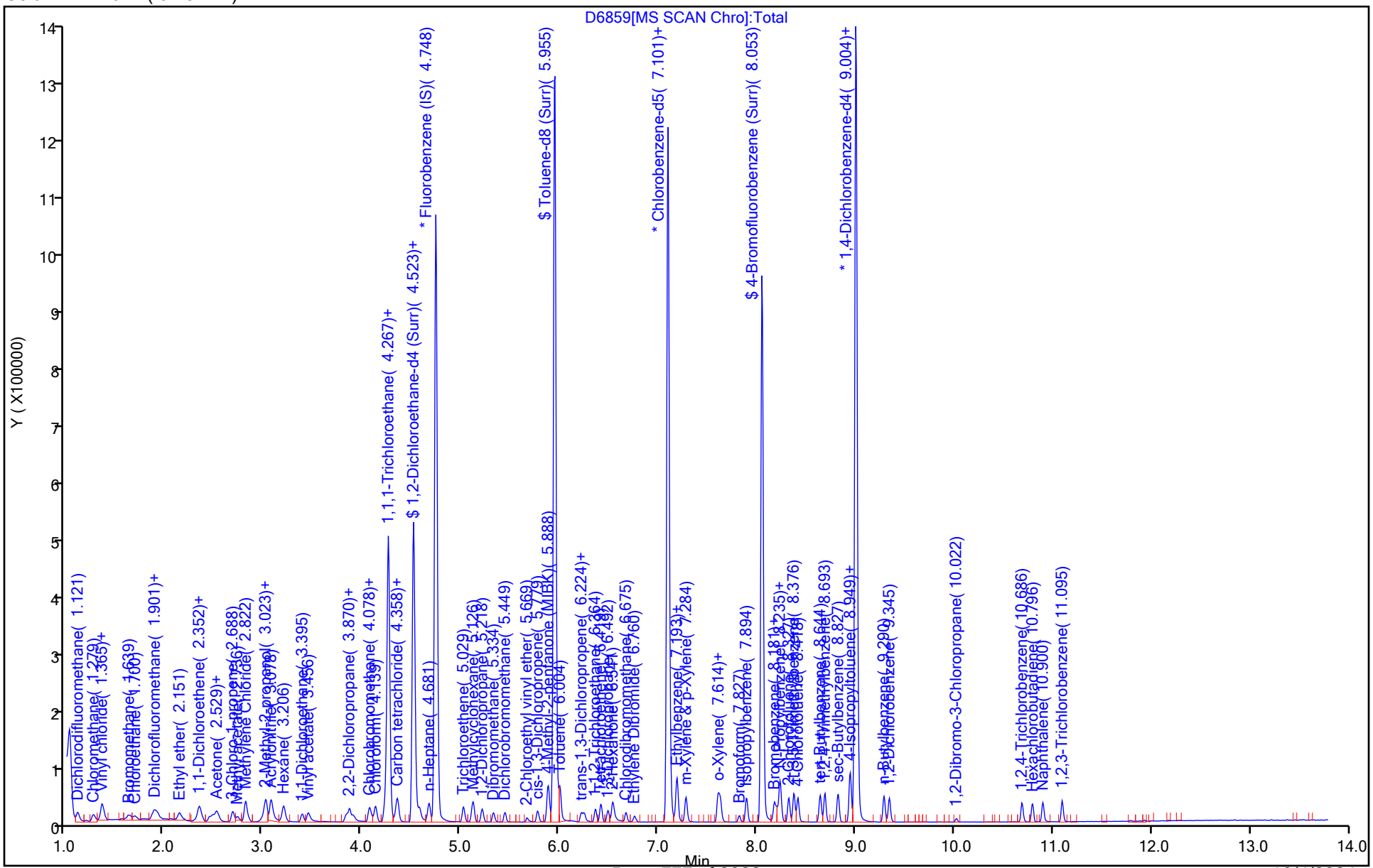
Report Date: 20-Sep-2024 11:50:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6859.d

Injection Date:	20-Sep-2024 00:40:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	48
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	47
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

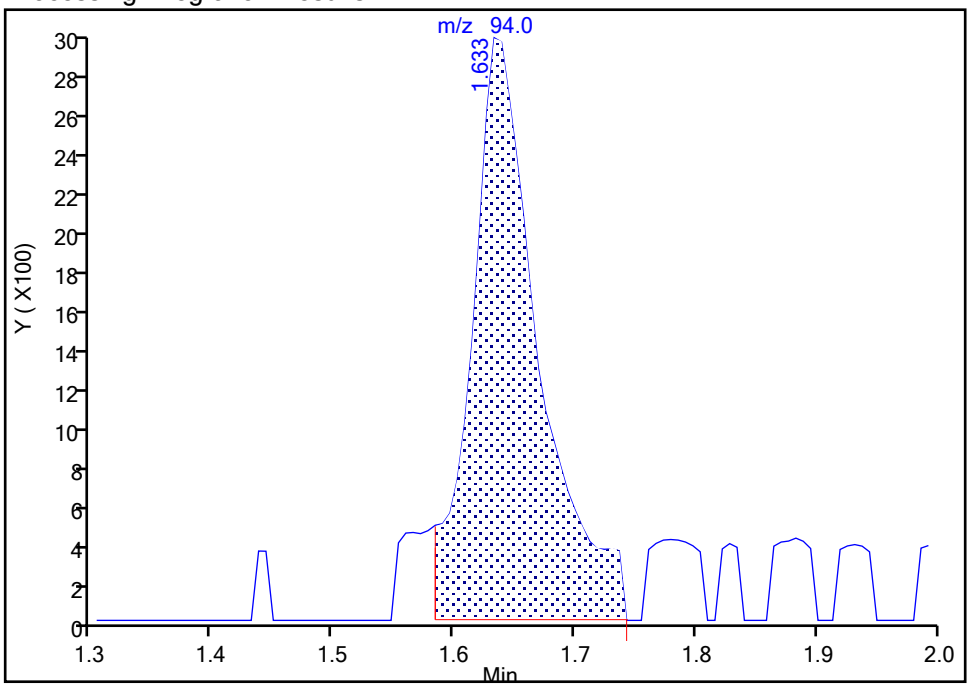
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6859.d
Injection Date: 20-Sep-2024 00:40:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 47 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

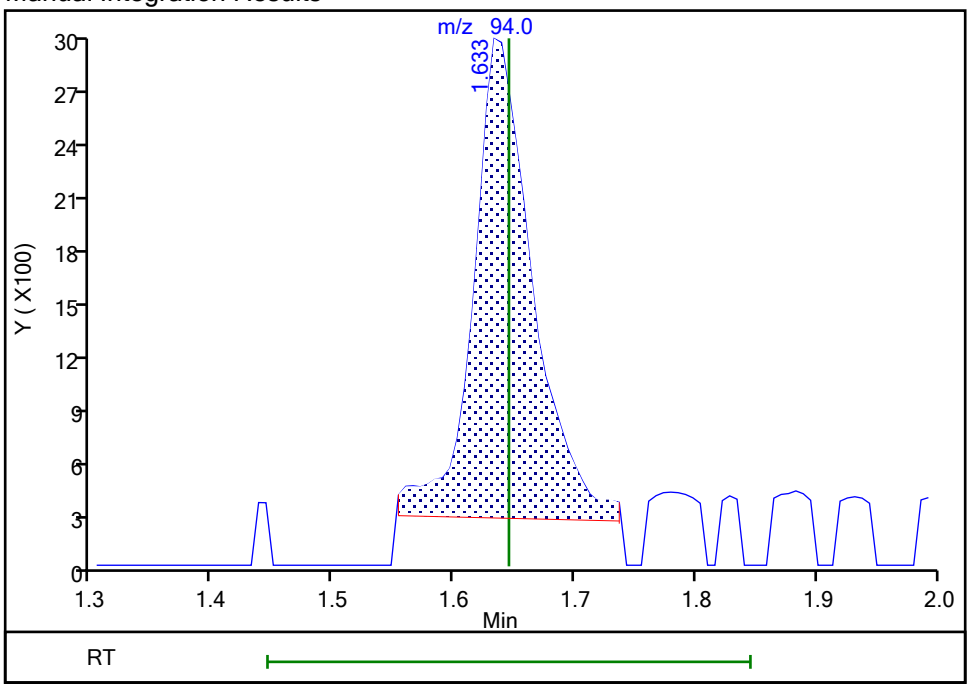
Processing Integration Results

RT: 1.63
Area: 11590
Amount: 1.002820
Amount Units: ug/L



Manual Integration Results

RT: 1.63
Area: 9372
Amount: 1.189259
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:49:21 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

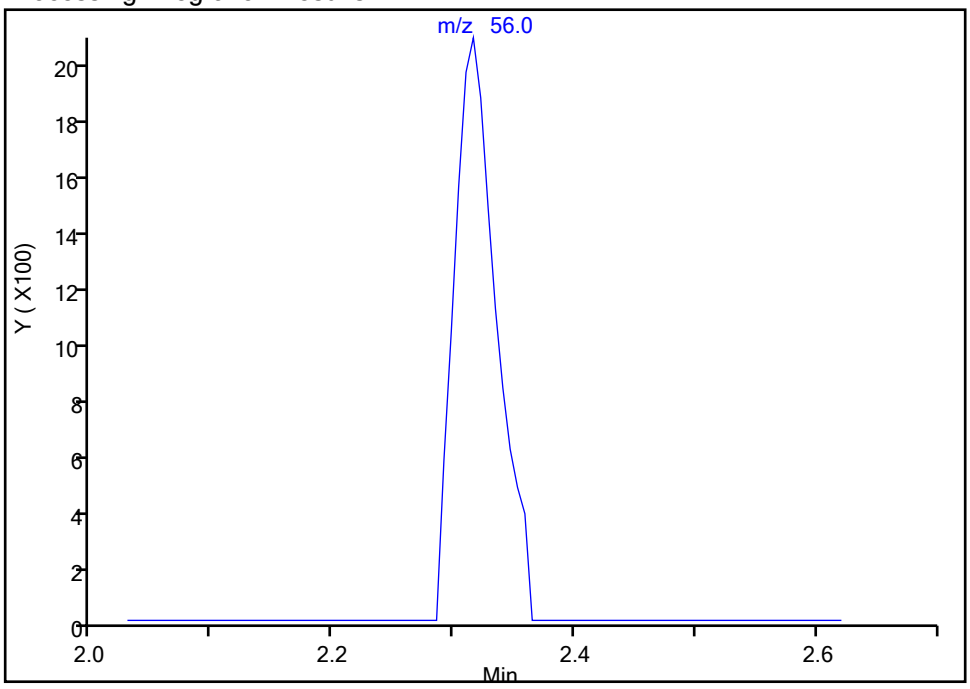
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6859.d
Injection Date: 20-Sep-2024 00:40:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 47 Worklist Smp#: 48
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

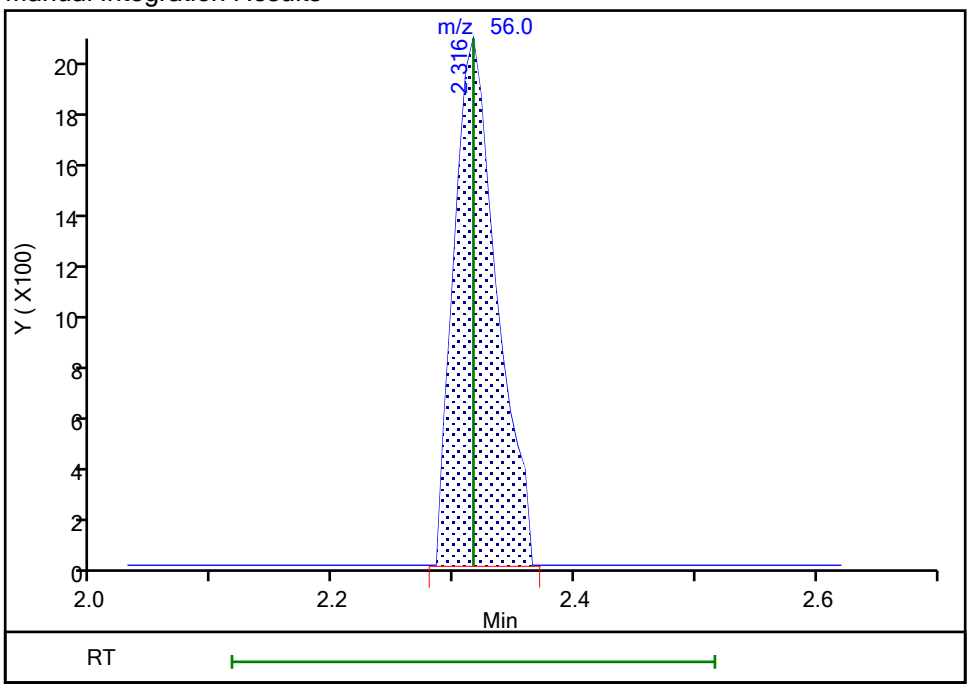
Not Detected
Expected RT: 2.32

Processing Integration Results



Manual Integration Results

RT: 2.32
Area: 5036
Amount: 4.665711
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:49:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Sep-2024 01:02:30 ALS Bottle#: 48 Worklist Smp#: 49
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0120124-049
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 11:51:15 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: WLL8 Date: 20-Sep-2024 10:51:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	188401	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.102	0.000	87	366687	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	431468	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	307821	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	172470	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	897108	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.000	94	311046	25.0	25.3	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	28975	2.00	1.91	
12 Chloromethane	50	1.279	1.280	-0.001	99	31046	2.00	1.84	
13 Vinyl chloride	62	1.359	1.359	0.000	98	19354	2.00	1.87	
144 Butadiene	54	1.371	1.377	-0.006	99	21443	2.00	2.08	
14 Bromomethane	94	1.645	1.645	0.000	90	14265	2.00	1.82	
15 Chloroethane	64	1.700	1.700	0.000	94	9877	2.00	1.89	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	96	31700	2.00	1.88	
17 Trichlorofluoromethane	101	1.901	1.914	-0.013	89	26306	2.00	1.94	
18 Ethyl ether	59	2.151	2.151	0.000	96	12726	2.00	1.90	
20 Acrolein	56	2.316	2.316	0.000	0	9942	10.0	9.25	M
22 1,1-Dichloroethene	96	2.352	2.359	-0.007	95	16769	2.00	2.16	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.359	0.006	94	18683	2.00	2.15	
23 Acetone	43	2.462	2.462	0.000	97	39260	10.0	9.85	
25 Iodomethane	142	2.499	2.517	-0.018	99	38989	2.00	2.07	
26 Carbon disulfide	76	2.535	2.548	-0.013	100	59752	2.00	2.11	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	34604	2.00	2.02	
27 Methyl acetate	43	2.737	2.737	-0.001	100	39139	4.00	3.87	
30 Methylene Chloride	84	2.822	2.822	0.000	96	27254	2.00	2.07	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	98	23488	20.0	19.0	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	98	48746	2.00	1.98	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	95	18778	2.00	2.12	
33 Acrylonitrile	53	3.078	3.072	0.006	97	85471	20.0	19.0	
35 Hexane	57	3.206	3.206	0.000	95	27881	2.00	2.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	96	36663	2.00	2.04	
37 Vinyl acetate	43	3.450	3.444	0.006	97	81926	4.00	3.50	
44 2,2-Dichloropropane	77	3.840	3.846	-0.006	91	20308	2.00	2.09	
45 cis-1,2-Dichloroethene	96	3.877	3.877	0.000	85	20322	2.00	2.04	
43 2-Butanone (MEK)	43	3.907	3.901	0.006	97	58127	10.0	9.56	
48 Chlorobromomethane	128	4.072	4.072	0.000	97	11726	2.00	2.02	
49 Tetrahydrofuran	42	4.090	4.084	0.006	92	17416	4.00	3.98	
50 Chloroform	83	4.139	4.139	0.000	94	38785	2.00	2.15	
51 1,1,1-Trichloroethane	97	4.230	4.236	-0.006	98	29244	2.00	2.11	
52 Cyclohexane	56	4.242	4.242	0.000	97	34629	2.00	2.13	
55 Carbon tetrachloride	117	4.352	4.352	0.000	98	26268	2.00	2.01	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	95	25653	2.00	2.15	
57 Benzene	78	4.529	4.529	0.000	95	69485	2.00	2.07	
53 Isobutyl alcohol	43	4.541	4.535	0.006	93	27667	50.0	46.2	
58 1,2-Dichloroethane	62	4.584	4.584	0.000	96	28544	2.00	1.96	
59 n-Heptane	43	4.681	4.675	0.006	96	32177	2.00	1.95	
62 Trichloroethene	95	5.029	5.029	0.000	95	19954	2.00	2.07	
64 Methylcyclohexane	83	5.126	5.126	0.000	97	27732	2.00	2.14	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	94	19979	2.00	2.06	
67 Dibromomethane	93	5.327	5.328	-0.001	96	13249	2.00	1.91	
66 1,4-Dioxane	88	5.334	5.328	0.006	36	1974	40.0	37.9	
68 Dichlorobromomethane	83	5.449	5.449	0.000	97	24305	2.00	1.99	
69 2-Chloroethyl vinyl ether	63	5.675	5.663	0.012	92	10895	2.00	1.77	
72 cis-1,3-Dichloropropene	75	5.779	5.779	0.000	92	26383	2.00	1.93	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	123823	10.0	9.65	
74 Toluene	92	6.004	6.004	0.000	98	42767	2.00	2.12	
77 trans-1,3-Dichloropropene	75	6.218	6.218	0.000	96	21658	2.00	1.82	
75 Ethyl methacrylate	69	6.248	6.248	0.000	95	19276	2.00	1.82	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	91	14168	2.00	2.01	
81 Tetrachloroethene	166	6.419	6.419	0.000	96	20310	2.00	2.08	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	95	25123	2.00	2.00	
80 2-Hexanone	43	6.541	6.535	0.006	99	84735	10.0	9.32	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	19873	2.00	1.89	
84 Ethylene Dibromide	107	6.760	6.760	0.000	98	17345	2.00	1.87	
87 Chlorobenzene	112	7.126	7.126	0.000	95	48659	2.00	2.05	
88 Ethylbenzene	91	7.193	7.187	0.006	99	74183	2.00	2.03	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	93	17844	2.00	1.93	
90 m-Xylene & p-Xylene	106	7.284	7.278	0.006	98	29192	2.00	2.06	
91 o-Xylene	106	7.608	7.608	0.000	97	28101	2.00	2.03	
92 Styrene	104	7.632	7.626	0.006	95	46903	2.00	2.04	
95 Bromoform	173	7.821	7.821	0.000	94	13340	2.00	1.85	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	67383	2.00	1.94	
101 Bromobenzene	156	8.181	8.181	0.000	90	22860	2.00	1.95	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	26137	2.00	1.94	
99 N-Propylbenzene	91	8.235	8.235	0.000	100	90627	2.00	1.99	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	87	6763	2.00	1.98	
98 trans-1,4-Dichloro-2-butene	53	8.248	8.242	0.006	81	5144	2.00	1.91	
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	19333	2.00	1.92	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	64382	2.00	1.98	
105 4-Chlorotoluene	126	8.418	8.412	0.006	96	21273	2.00	2.04	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	12097	2.00	1.94	
107 1,2,4-Trimethylbenzene	105	8.693	8.687	0.006	97	66111	2.00	1.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.827	8.821	0.006	95	84944	2.00	2.01	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	98	71746	2.00	1.97	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	99	45476	2.00	2.05	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	97	47822	2.00	2.06	
115 n-Butylbenzene	91	9.290	9.290	0.000	98	66641	2.00	2.01	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	98	44377	2.00	2.01	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	83	4162	2.00	1.74	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	29826	2.00	1.90	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	16535	2.00	2.04	
121 Naphthalene	128	10.900	10.900	0.000	97	67649	2.00	1.81	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	29653	2.00	1.91	
S 125 1,2-Dichloroethene, Total	1				0			4.16	
S 126 1,3-Dichloropropene, Total	1				0			3.75	
S 124 Xylenes, Total	1				0			4.09	
S 123 Total BTEX	1				0			10.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00259	Amount Added:	2.00	Units: uL	
GAS CORP mix_00641	Amount Added:	2.00	Units: uL	
D 8260 IS/SUR_00092	Amount Added:	1.00	Units: uL	Run Reagent

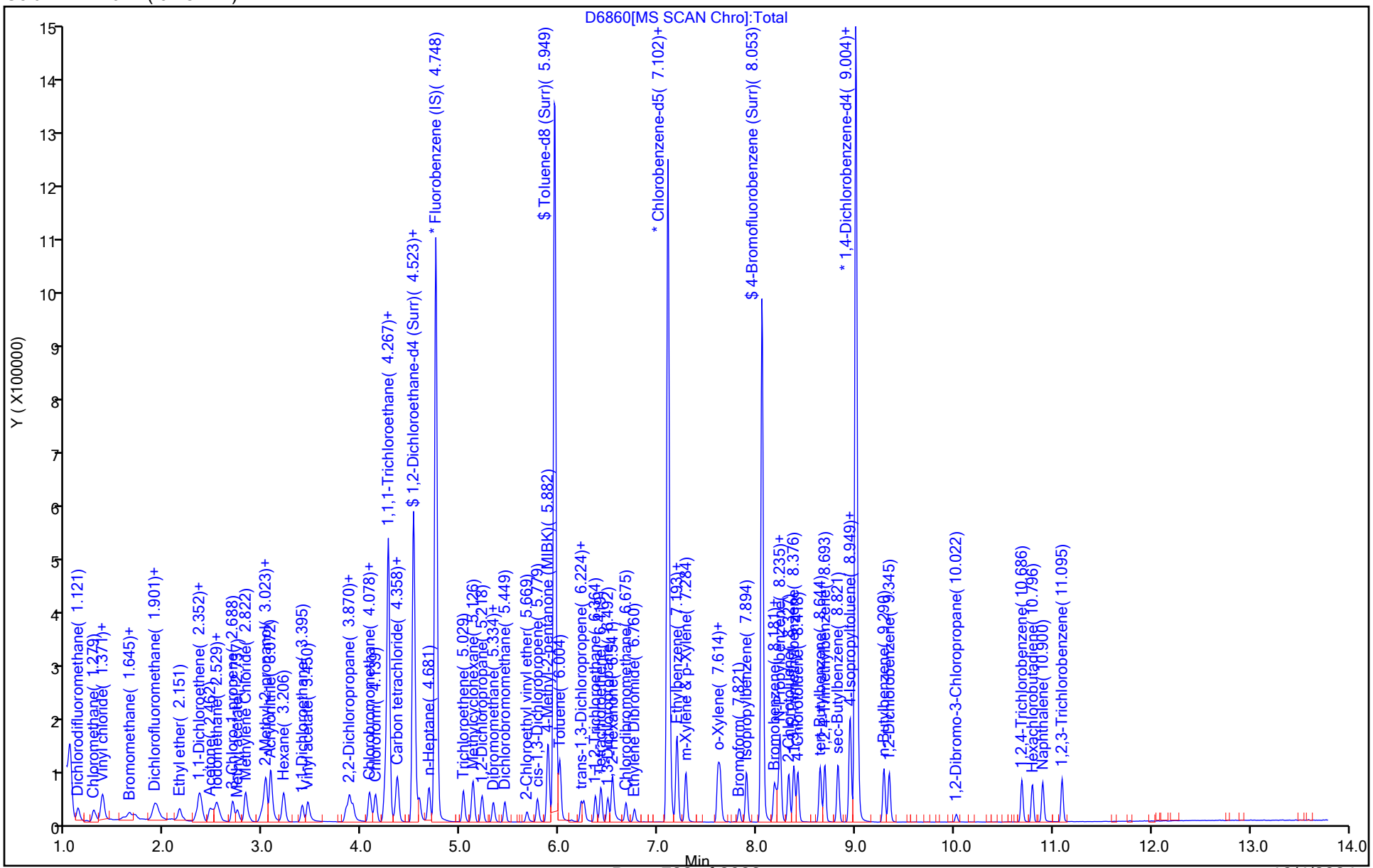
Report Date: 20-Sep-2024 11:51:16 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Injection Date:	20-Sep-2024 01:02:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	49
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	48
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Manual Integration/User Assign Peak Report

Eurofins Buffalo

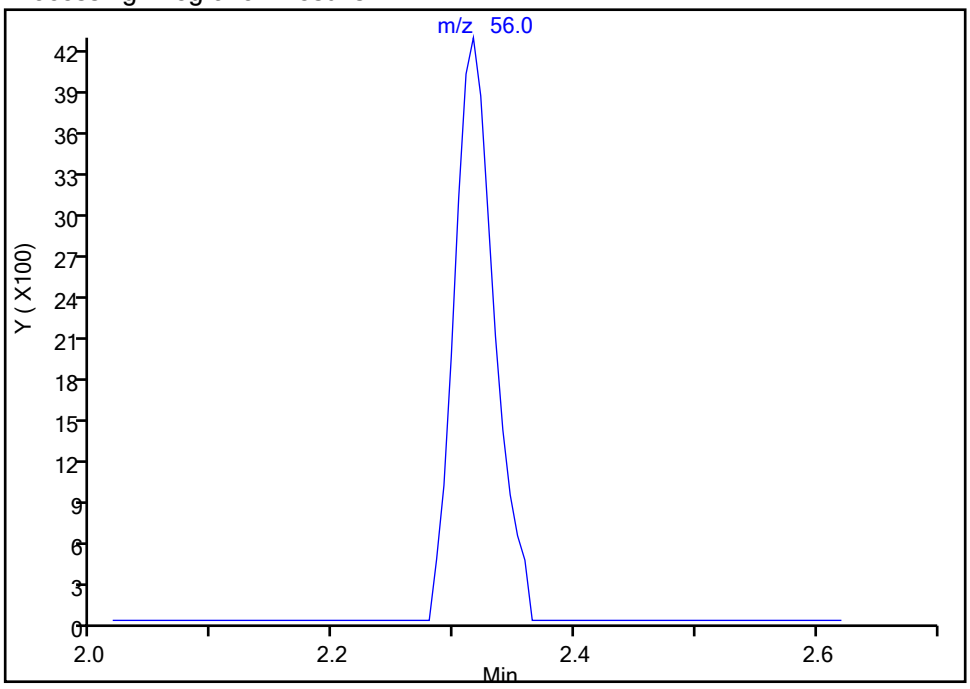
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d
Injection Date: 20-Sep-2024 01:02:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 48 Worklist Smp#: 49
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

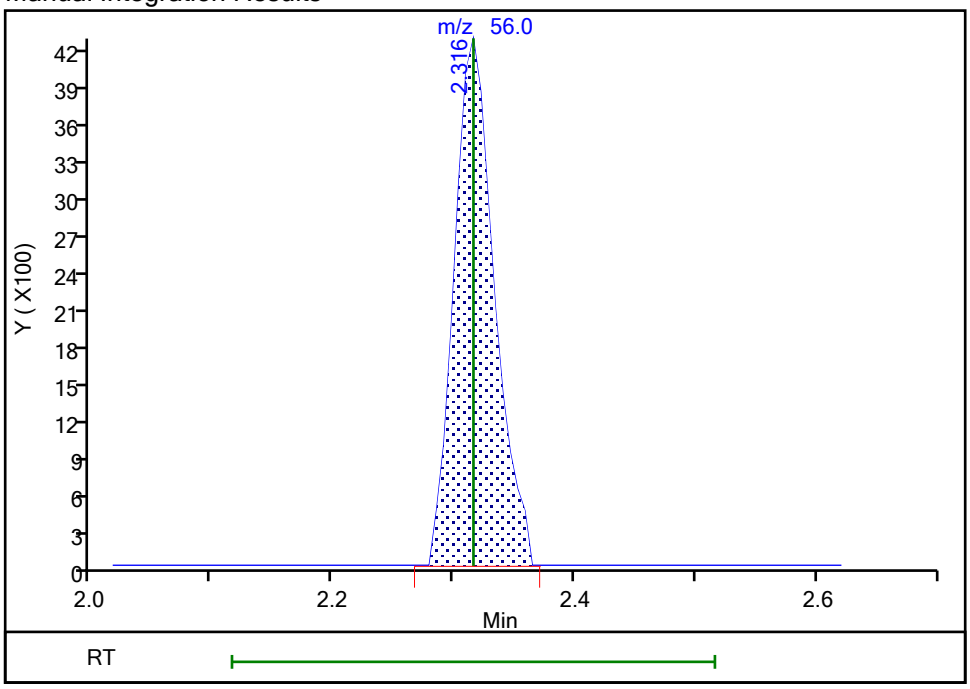
Not Detected
Expected RT: 2.32

Processing Integration Results



Manual Integration Results

RT: 2.32
Area: 9942
Amount: 9.253906
Amount Units: ug/L



Reviewer: WLL8, 20-Sep-2024 10:50:22 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

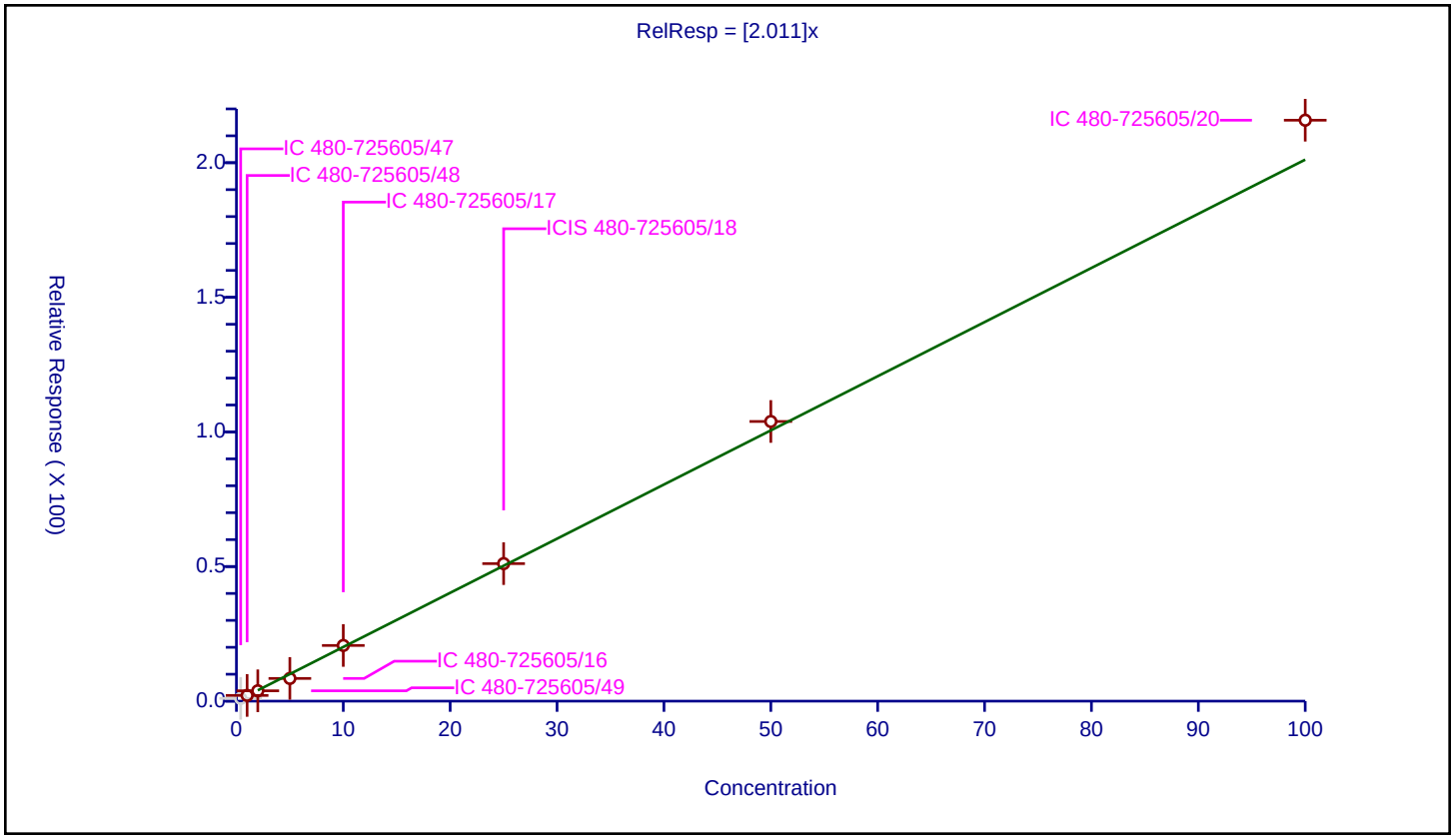
Curve Coefficients

Intercept:	0
Slope:	2.011

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.026945	25.0	190760.0	2.567362	N
2	IC 480-725605/48	1.0	2.122792	25.0	189279.0	2.122792	Y
3	IC 480-725605/49	2.0	3.844858	25.0	188401.0	1.922429	Y
4	IC 480-725605/16	5.0	8.439255	25.0	179536.0	1.687851	Y
5	IC 480-725605/17	10.0	20.677923	25.0	175020.0	2.067792	Y
6	ICIS 480-725605/18	25.0	51.08533	25.0	171768.0	2.043413	Y
7	IC 480-725605/19	50.0	103.886558	25.0	171630.0	2.077731	Y
8	IC 480-725605/20	100.0	215.795753	25.0	168463.0	2.157958	Y



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Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

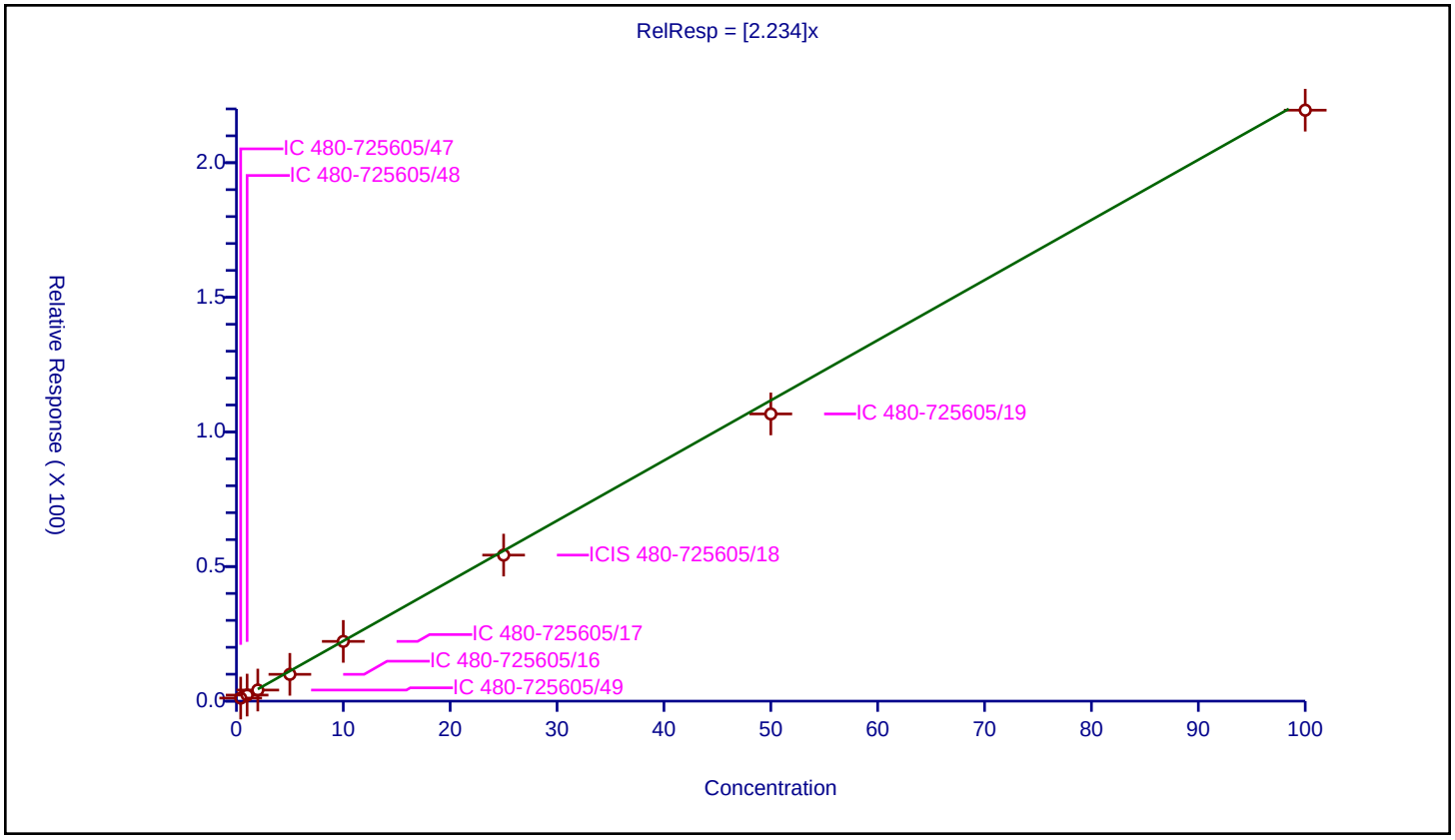
Curve Coefficients

Intercept:	0
Slope:	2.234

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.141618	25.0	190760.0	2.854044	Y
2	IC 480-725605/48	1.0	2.251438	25.0	189279.0	2.251438	Y
3	IC 480-725605/49	2.0	4.11967	25.0	188401.0	2.059835	Y
4	IC 480-725605/16	5.0	9.957613	25.0	179536.0	1.991523	Y
5	IC 480-725605/17	10.0	22.191464	25.0	175020.0	2.219146	Y
6	ICIS 480-725605/18	25.0	54.255304	25.0	171768.0	2.170212	Y
7	IC 480-725605/19	50.0	106.684583	25.0	171630.0	2.133692	Y
8	IC 480-725605/20	100.0	219.526246	25.0	168463.0	2.195262	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

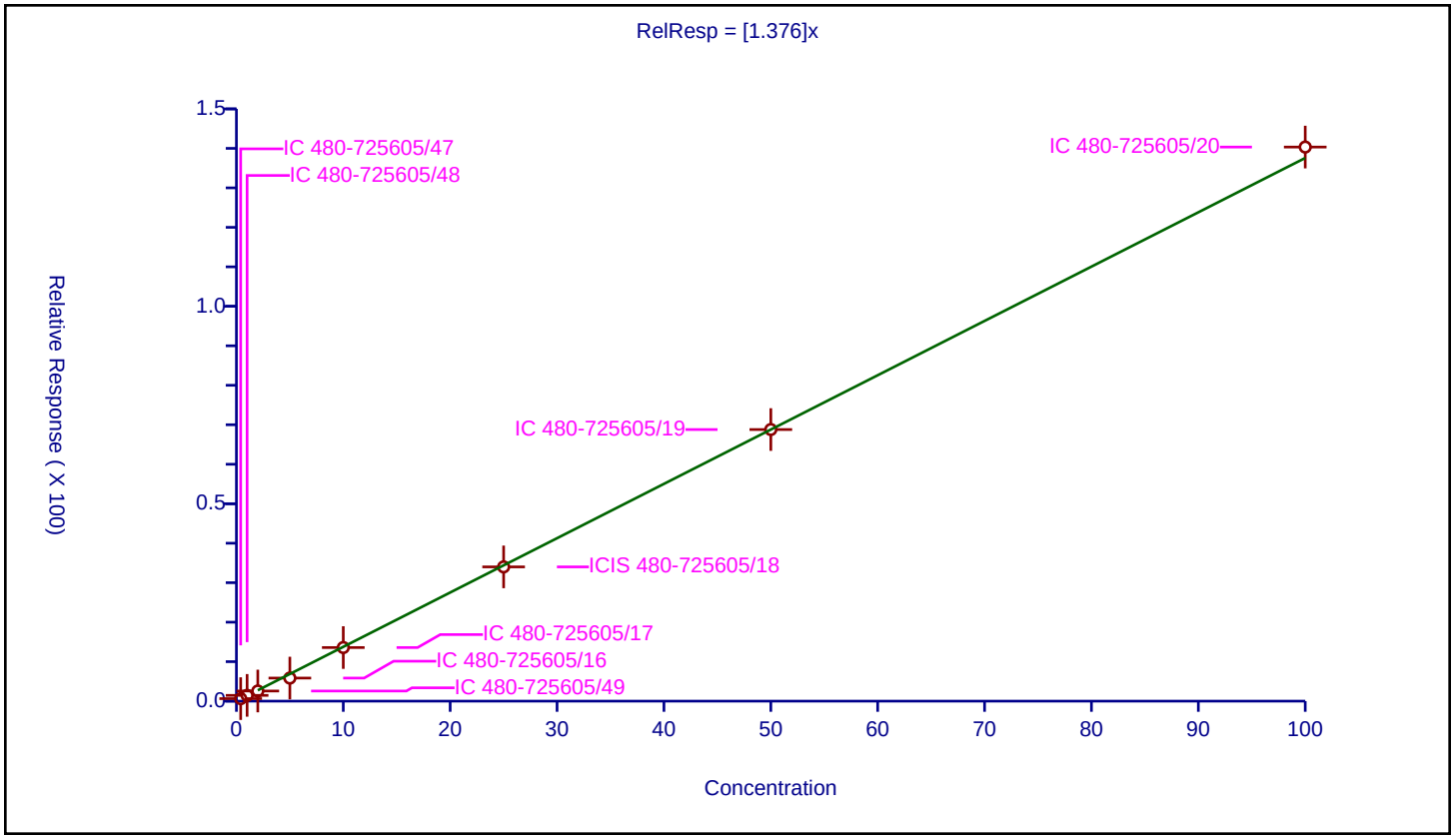
Curve Coefficients

Intercept:	0
Slope:	1.376

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.638237	25.0	190760.0	1.595591	Y
2	IC 480-725605/48	1.0	1.45975	25.0	189279.0	1.45975	Y
3	IC 480-725605/49	2.0	2.568192	25.0	188401.0	1.284096	Y
4	IC 480-725605/16	5.0	5.846042	25.0	179536.0	1.169208	Y
5	IC 480-725605/17	10.0	13.573306	25.0	175020.0	1.357331	Y
6	ICIS 480-725605/18	25.0	34.000658	25.0	171768.0	1.360026	Y
7	IC 480-725605/19	50.0	68.79013	25.0	171630.0	1.375803	Y
8	IC 480-725605/20	100.0	140.331853	25.0	168463.0	1.403319	Y



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Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

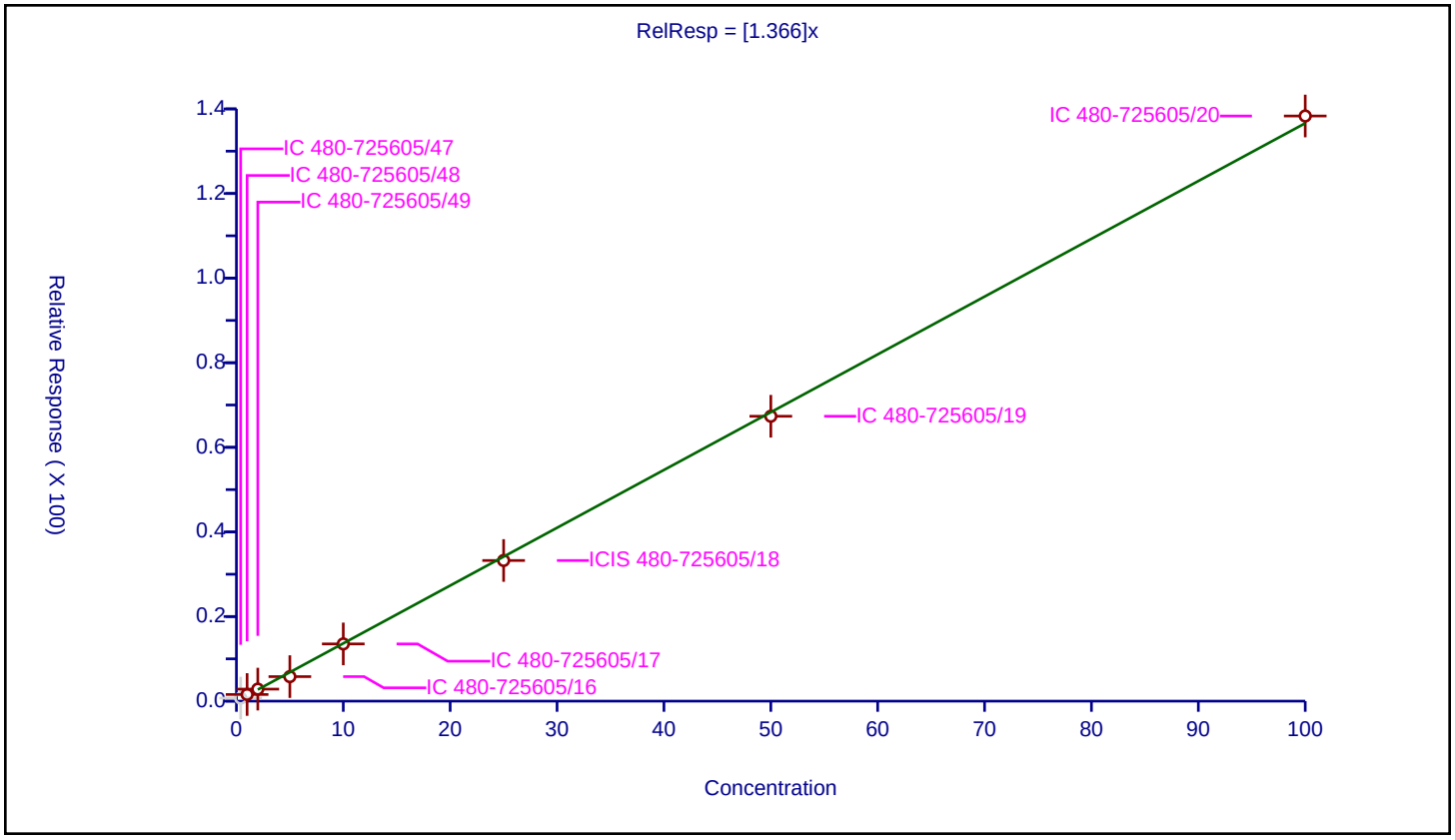
Curve Coefficients

Intercept:	0
Slope:	1.366

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.718049	25.0	190760.0	1.795122	N
2	IC 480-725605/48	1.0	1.568716	25.0	189279.0	1.568716	Y
3	IC 480-725605/49	2.0	2.845394	25.0	188401.0	1.422697	Y
4	IC 480-725605/16	5.0	5.792292	25.0	179536.0	1.158458	Y
5	IC 480-725605/17	10.0	13.526883	25.0	175020.0	1.352688	Y
6	ICIS 480-725605/18	25.0	33.246443	25.0	171768.0	1.329858	Y
7	IC 480-725605/19	50.0	67.344141	25.0	171630.0	1.346883	Y
8	IC 480-725605/20	100.0	138.316574	25.0	168463.0	1.383166	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

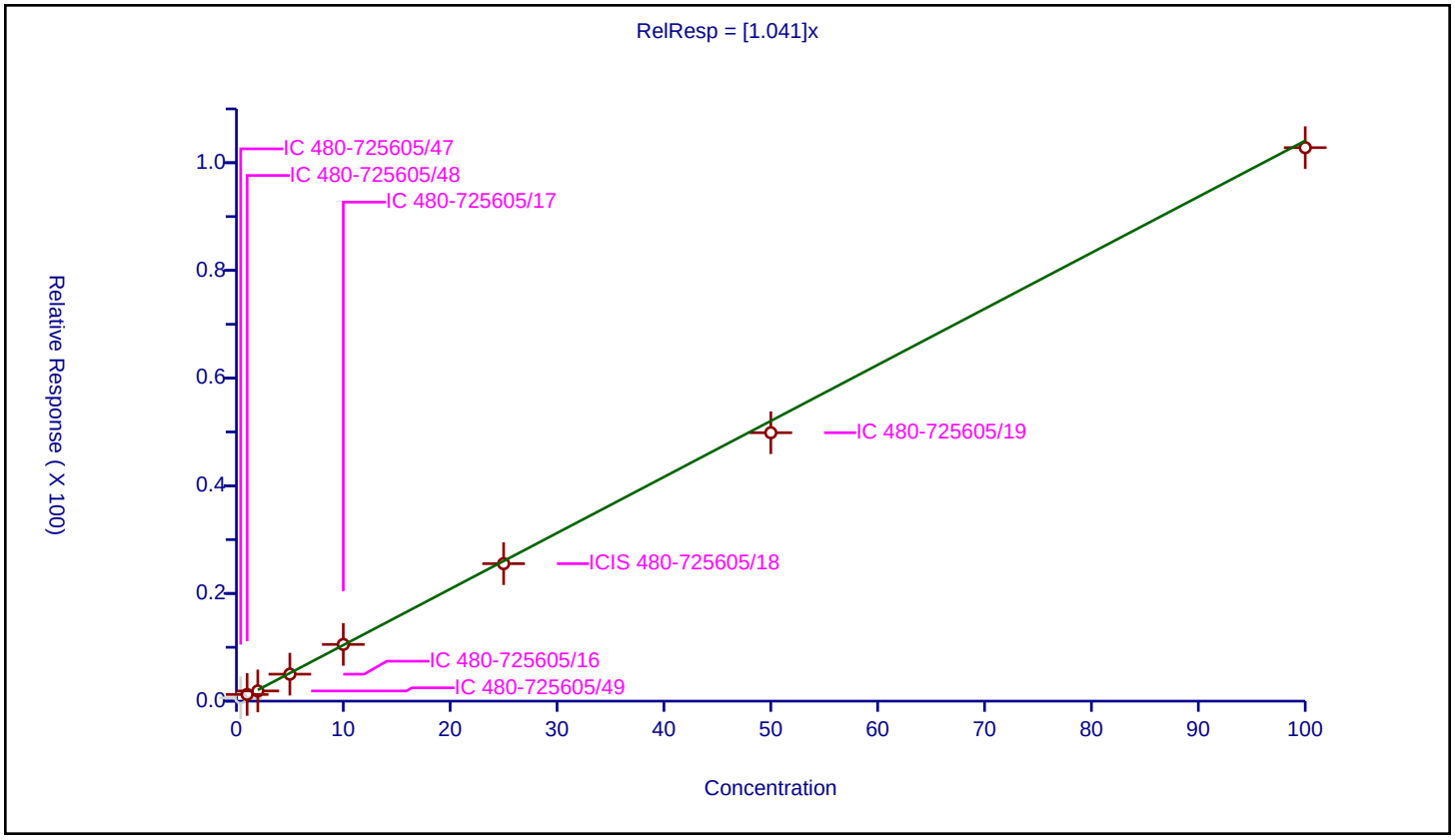
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.60888	25.0	190760.0	1.522201	N
2	IC 480-725605/48	1.0	1.237855	25.0	189279.0	1.237855	Y
3	IC 480-725605/49	2.0	1.892904	25.0	188401.0	0.946452	Y
4	IC 480-725605/16	5.0	5.010276	25.0	179536.0	1.002055	Y
5	IC 480-725605/17	10.0	10.532939	25.0	175020.0	1.053294	Y
6	ICIS 480-725605/18	25.0	25.530949	25.0	171768.0	1.021238	Y
7	IC 480-725605/19	50.0	49.855649	25.0	171630.0	0.997113	Y
8	IC 480-725605/20	100.0	102.803138	25.0	168463.0	1.028031	Y



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Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

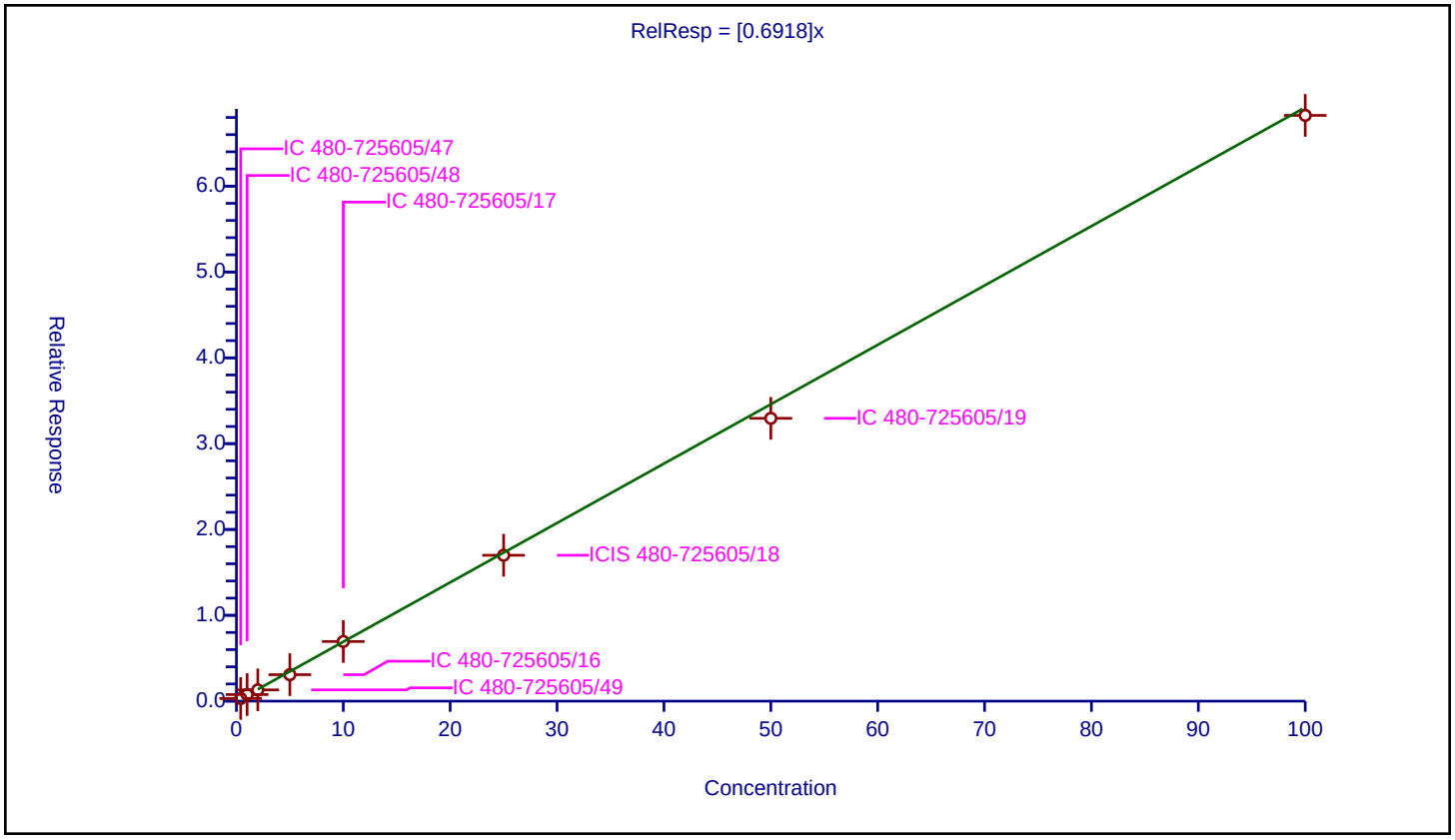
Curve Coefficients

Intercept:	0
Slope:	0.6918

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.312959	25.0	190760.0	0.782397	Y
2	IC 480-725605/48	1.0	0.76382	25.0	189279.0	0.76382	Y
3	IC 480-725605/49	2.0	1.310635	25.0	188401.0	0.655318	Y
4	IC 480-725605/16	5.0	3.081415	25.0	179536.0	0.616283	Y
5	IC 480-725605/17	10.0	6.950206	25.0	175020.0	0.695021	Y
6	ICIS 480-725605/18	25.0	16.997782	25.0	171768.0	0.679911	Y
7	IC 480-725605/19	50.0	32.950387	25.0	171630.0	0.659008	Y
8	IC 480-725605/20	100.0	68.242878	25.0	168463.0	0.682429	Y



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Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

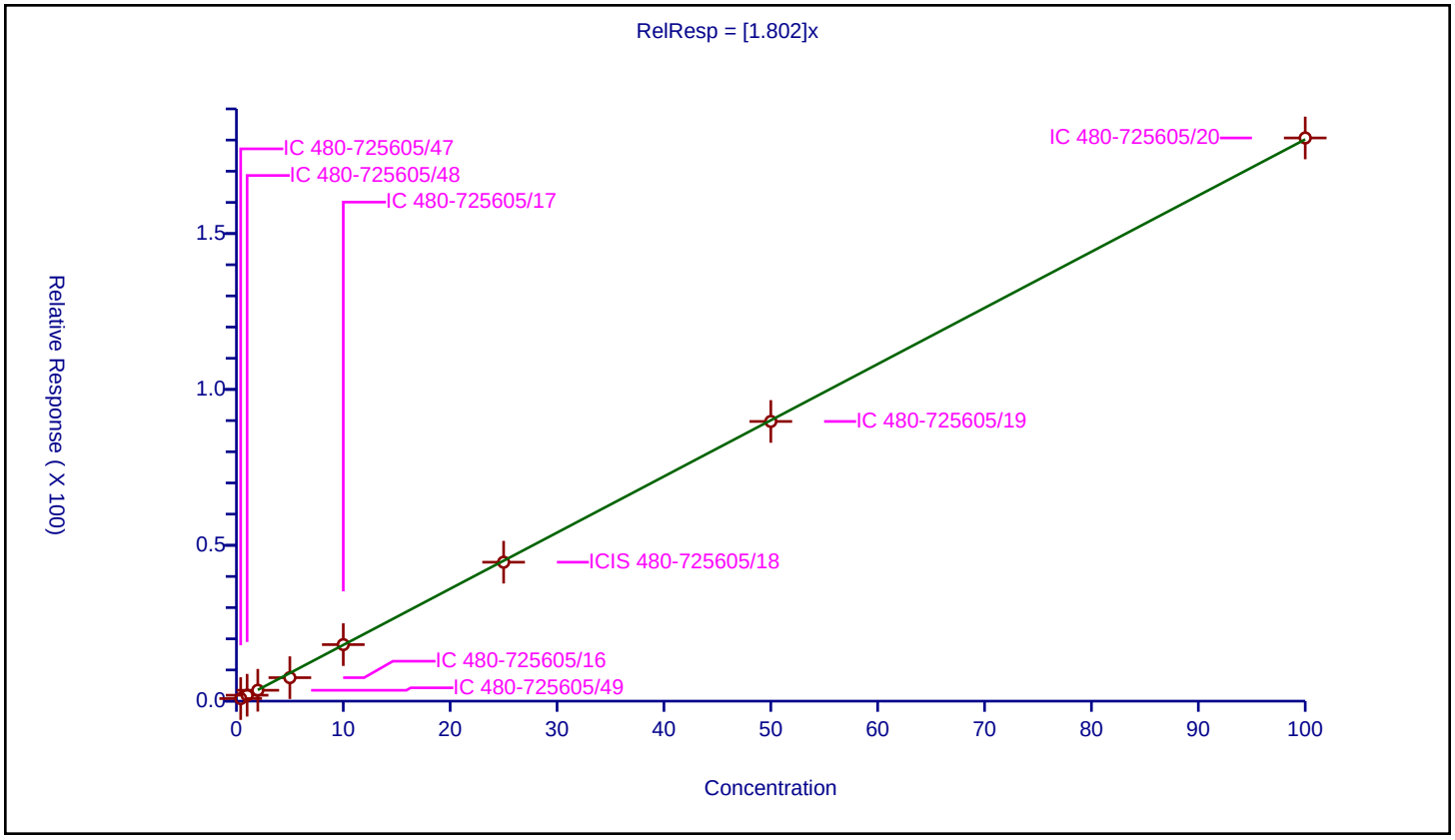
Curve Coefficients

Intercept:	0
Slope:	1.802

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.828135	25.0	190760.0	2.070337	Y
2	IC 480-725605/48	1.0	1.897199	25.0	189279.0	1.897199	Y
3	IC 480-725605/49	2.0	3.490693	25.0	188401.0	1.745346	Y
4	IC 480-725605/16	5.0	7.531776	25.0	179536.0	1.506355	Y
5	IC 480-725605/17	10.0	18.136642	25.0	175020.0	1.813664	Y
6	ICIS 480-725605/18	25.0	44.571602	25.0	171768.0	1.782864	Y
7	IC 480-725605/19	50.0	89.728486	25.0	171630.0	1.79457	Y
8	IC 480-725605/20	100.0	180.67914	25.0	168463.0	1.806791	Y



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Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

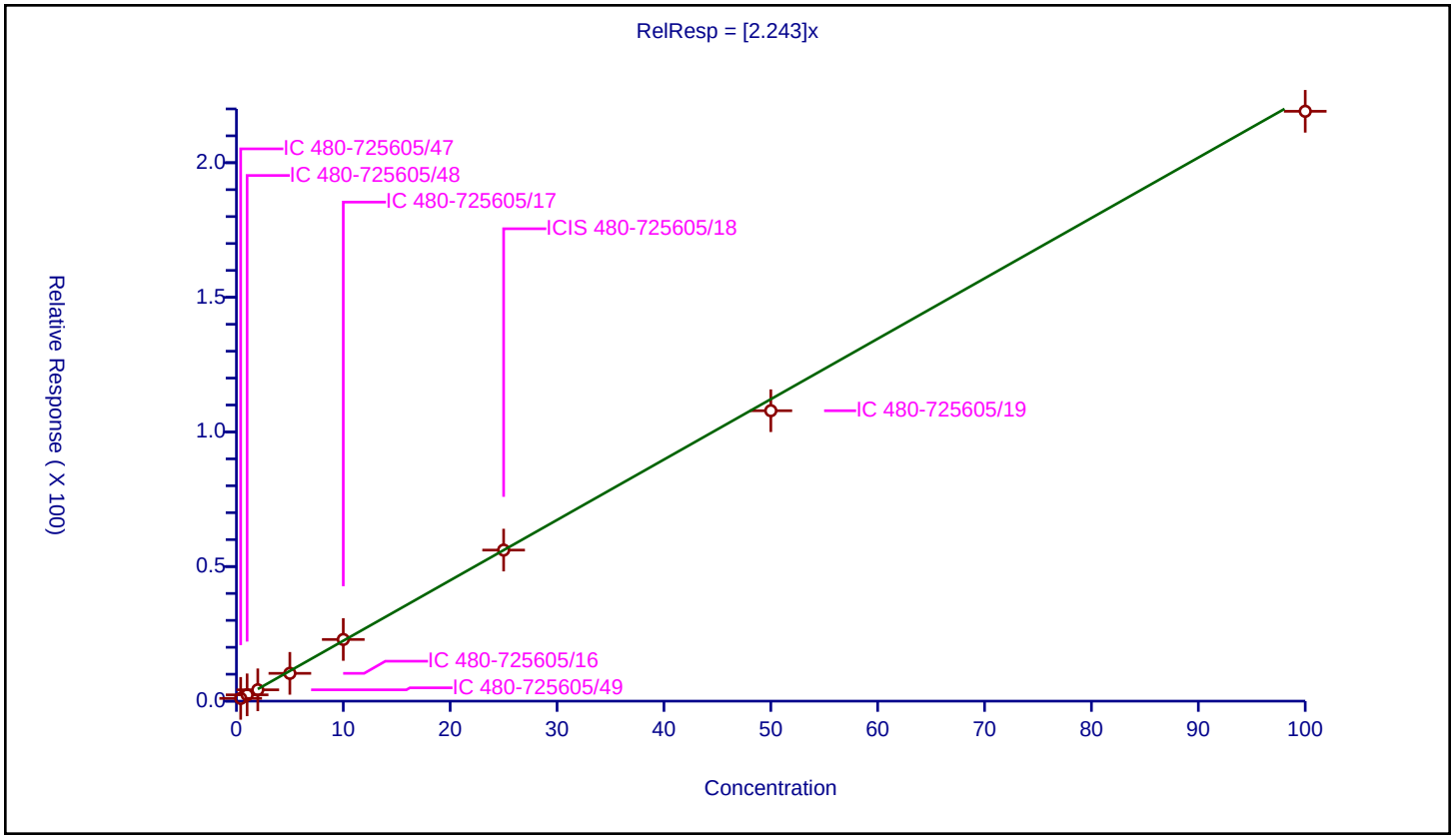
Curve Coefficients

Intercept:	0
Slope:	2.243

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.02013	25.0	190760.0	2.550325	Y
2	IC 480-725605/48	1.0	2.344291	25.0	189279.0	2.344291	Y
3	IC 480-725605/49	2.0	4.206453	25.0	188401.0	2.103227	Y
4	IC 480-725605/16	5.0	10.326341	25.0	179536.0	2.065268	Y
5	IC 480-725605/17	10.0	22.908382	25.0	175020.0	2.290838	Y
6	ICIS 480-725605/18	25.0	56.110859	25.0	171768.0	2.244434	Y
7	IC 480-725605/19	50.0	107.881781	25.0	171630.0	2.157636	Y
8	IC 480-725605/20	100.0	219.105234	25.0	168463.0	2.191052	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

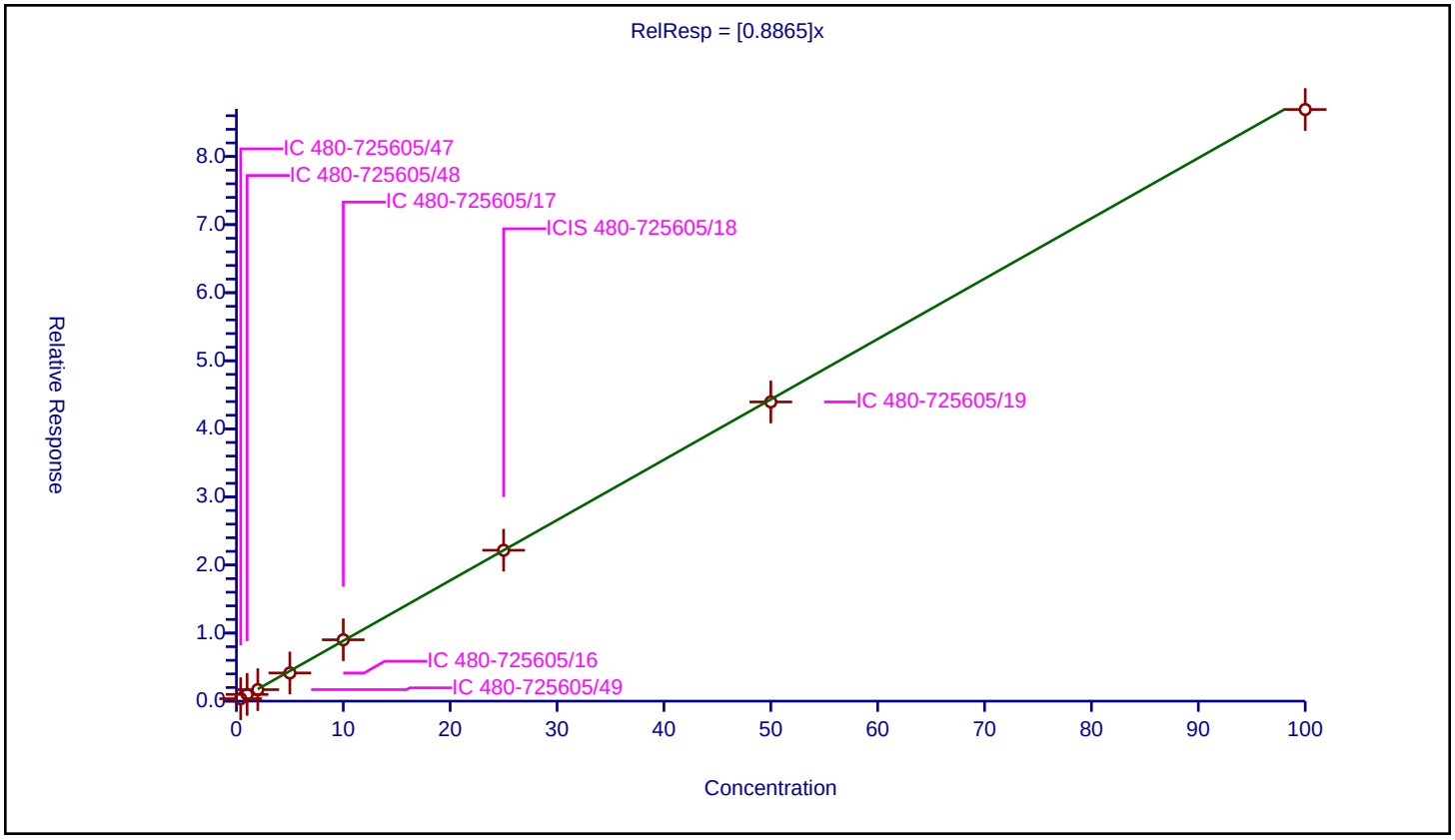
Curve Coefficients

Intercept:	0
Slope:	0.8865

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.358042	25.0	190760.0	0.895104	Y
2	IC 480-725605/48	1.0	0.988752	25.0	189279.0	0.988752	Y
3	IC 480-725605/49	2.0	1.688685	25.0	188401.0	0.844343	Y
4	IC 480-725605/16	5.0	4.13775	25.0	179536.0	0.82755	Y
5	IC 480-725605/17	10.0	9.012684	25.0	175020.0	0.901268	Y
6	ICIS 480-725605/18	25.0	22.167546	25.0	171768.0	0.886702	Y
7	IC 480-725605/19	50.0	43.952543	25.0	171630.0	0.879051	Y
8	IC 480-725605/20	100.0	86.91033	25.0	168463.0	0.869103	Y



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Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

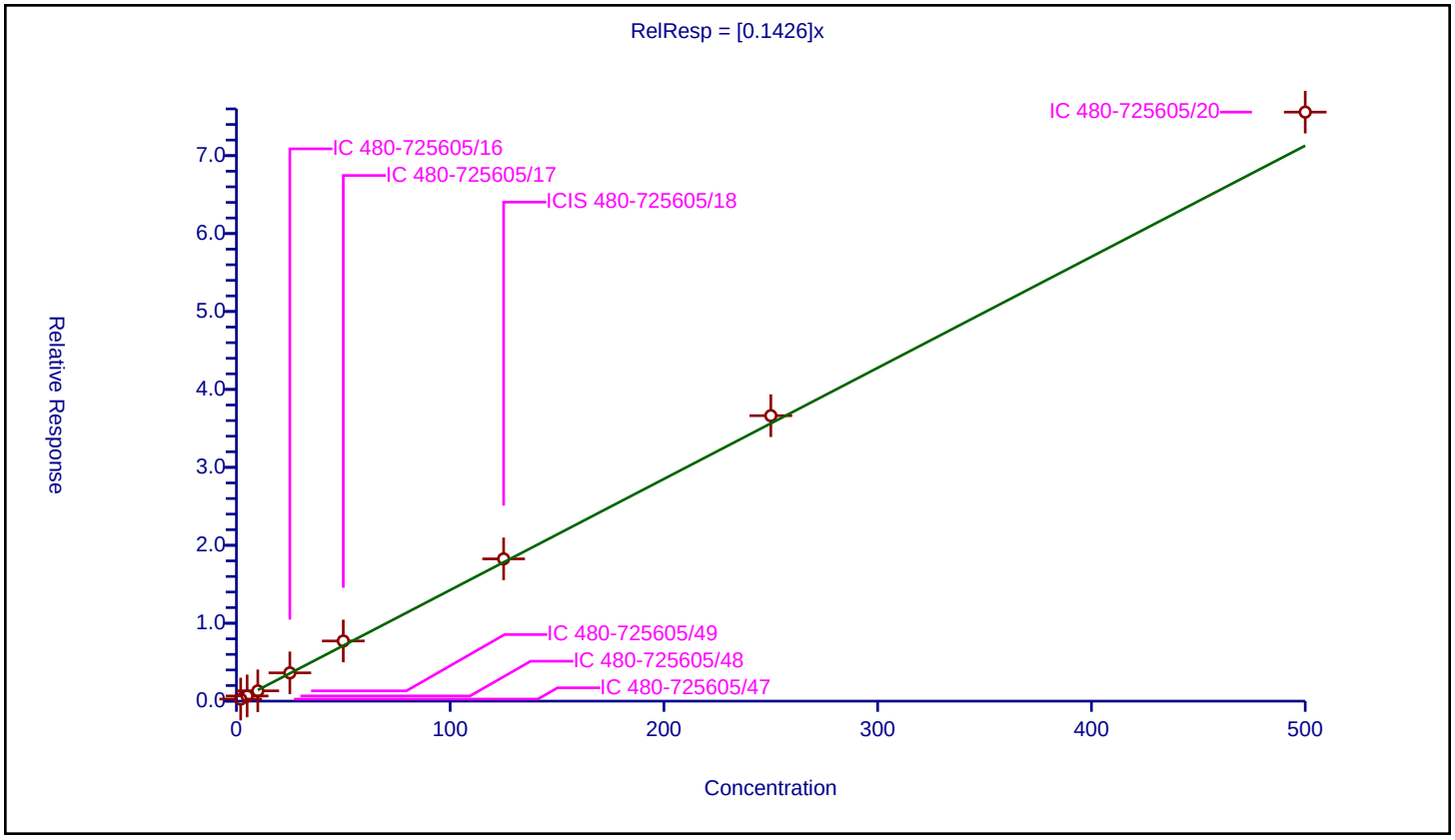
Curve Coefficients

Intercept:	0
Slope:	0.1426

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	2.0	0.264599	25.0	190760.0	0.1323	Y
2	IC 480-725605/48	5.0	0.665156	25.0	189279.0	0.133031	Y
3	IC 480-725605/49	10.0	1.319261	25.0	188401.0	0.131926	Y
4	IC 480-725605/16	25.0	3.62671	25.0	179536.0	0.145068	Y
5	IC 480-725605/17	50.0	7.720546	25.0	175020.0	0.154411	Y
6	ICIS 480-725605/18	125.0	18.257475	25.0	171768.0	0.14606	Y
7	IC 480-725605/19	250.0	36.633019	25.0	171630.0	0.146532	Y
8	IC 480-725605/20	500.0	75.586182	25.0	168463.0	0.151172	Y



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Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

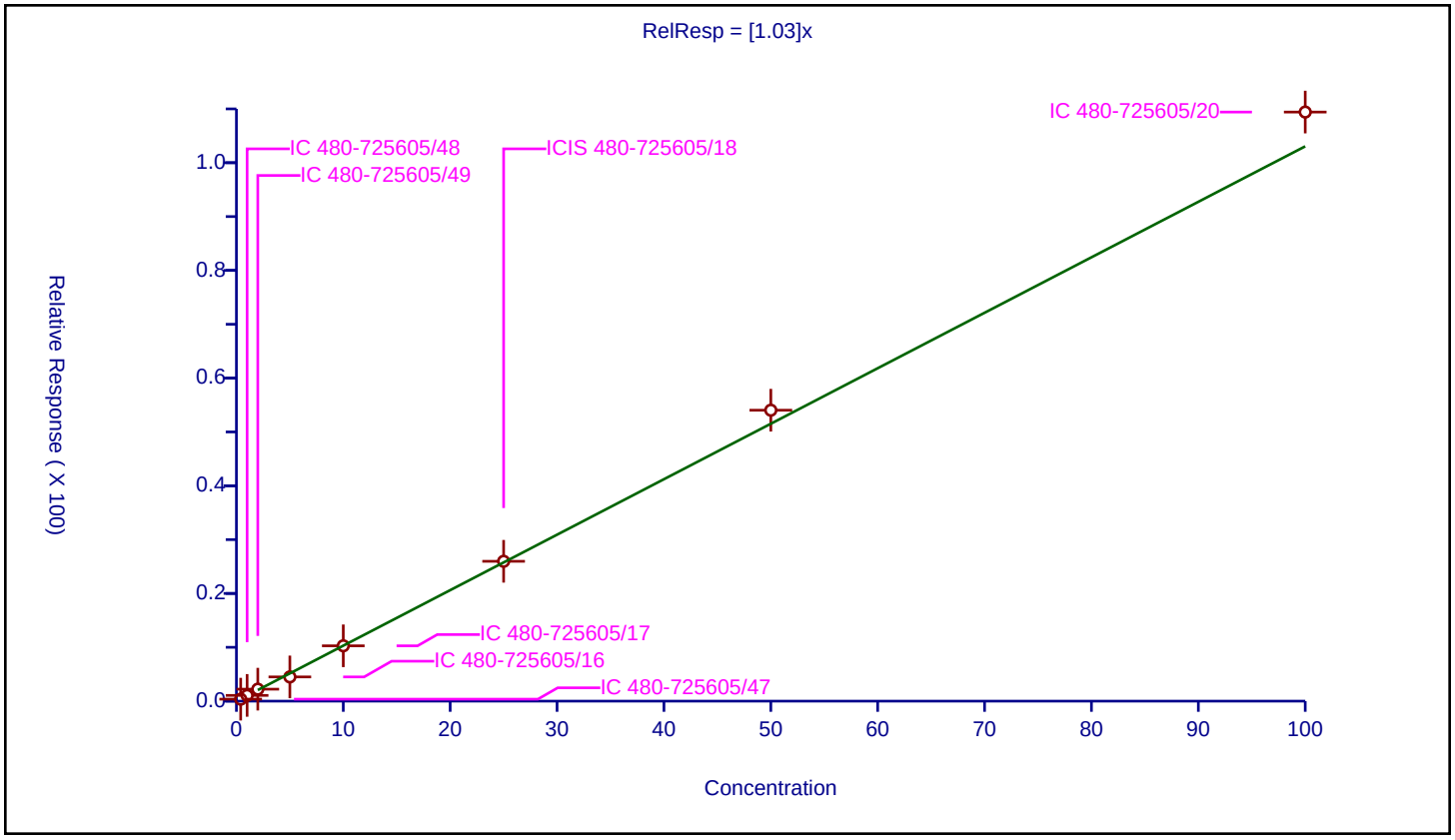
Curve Coefficients

Intercept:	0
Slope:	1.03

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.369181	25.0	190760.0	0.922953	Y
2	IC 480-725605/48	1.0	1.066283	25.0	189279.0	1.066283	Y
3	IC 480-725605/49	2.0	2.225174	25.0	188401.0	1.112587	Y
4	IC 480-725605/16	5.0	4.50049	25.0	179536.0	0.900098	Y
5	IC 480-725605/17	10.0	10.278111	25.0	175020.0	1.027811	Y
6	ICIS 480-725605/18	25.0	25.975007	25.0	171768.0	1.039	Y
7	IC 480-725605/19	50.0	54.034988	25.0	171630.0	1.0807	Y
8	IC 480-725605/20	100.0	109.413046	25.0	168463.0	1.09413	Y



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Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

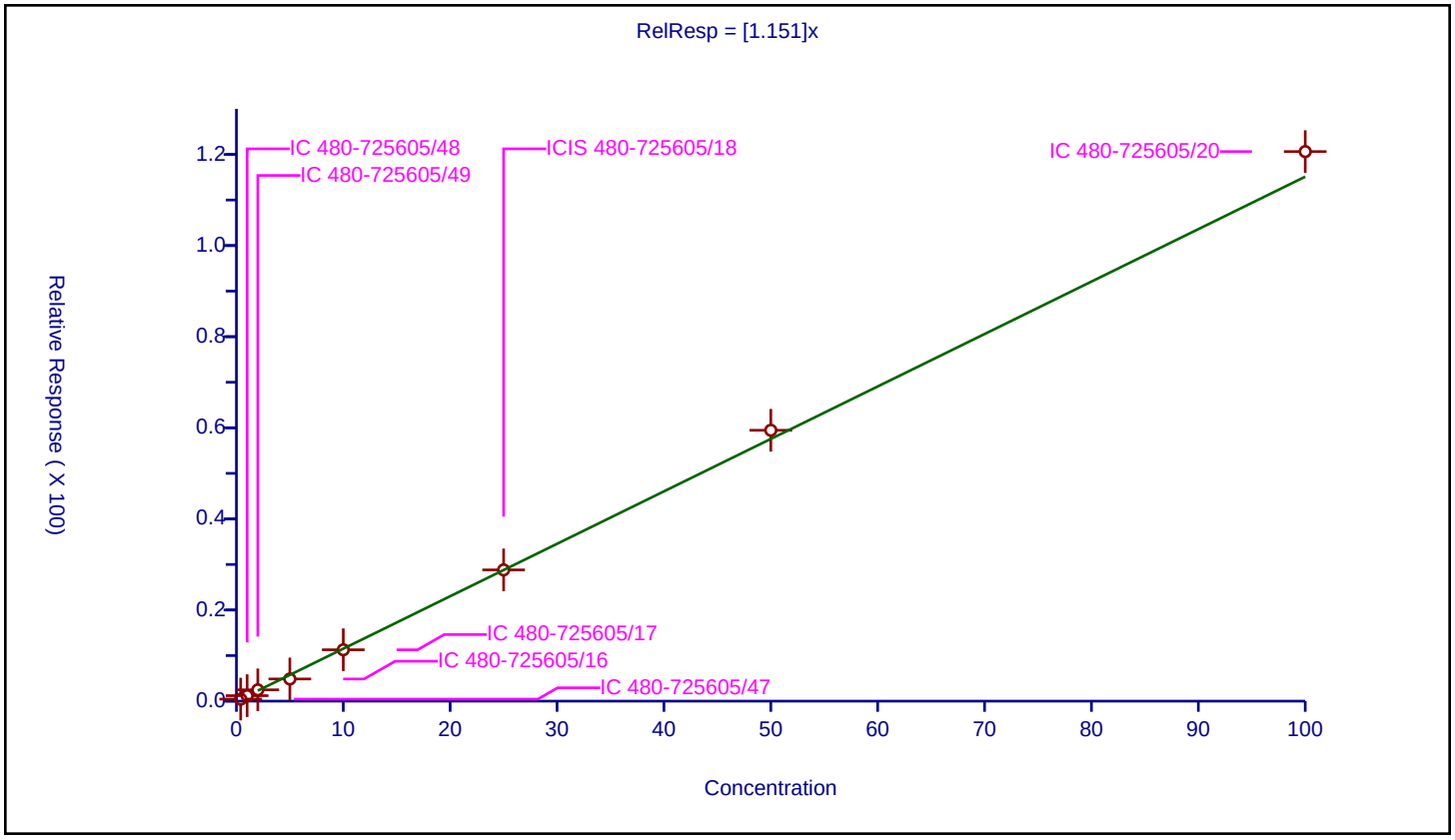
Curve Coefficients

Intercept:	0
Slope:	1.151

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.446897	25.0	190760.0	1.117242	Y
2	IC 480-725605/48	1.0	1.203646	25.0	189279.0	1.203646	Y
3	IC 480-725605/49	2.0	2.479154	25.0	188401.0	1.239577	Y
4	IC 480-725605/16	5.0	4.867965	25.0	179536.0	0.973593	Y
5	IC 480-725605/17	10.0	11.273283	25.0	175020.0	1.127328	Y
6	ICIS 480-725605/18	25.0	28.805278	25.0	171768.0	1.152211	Y
7	IC 480-725605/19	50.0	59.460467	25.0	171630.0	1.189209	Y
8	IC 480-725605/20	100.0	120.628565	25.0	168463.0	1.206286	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

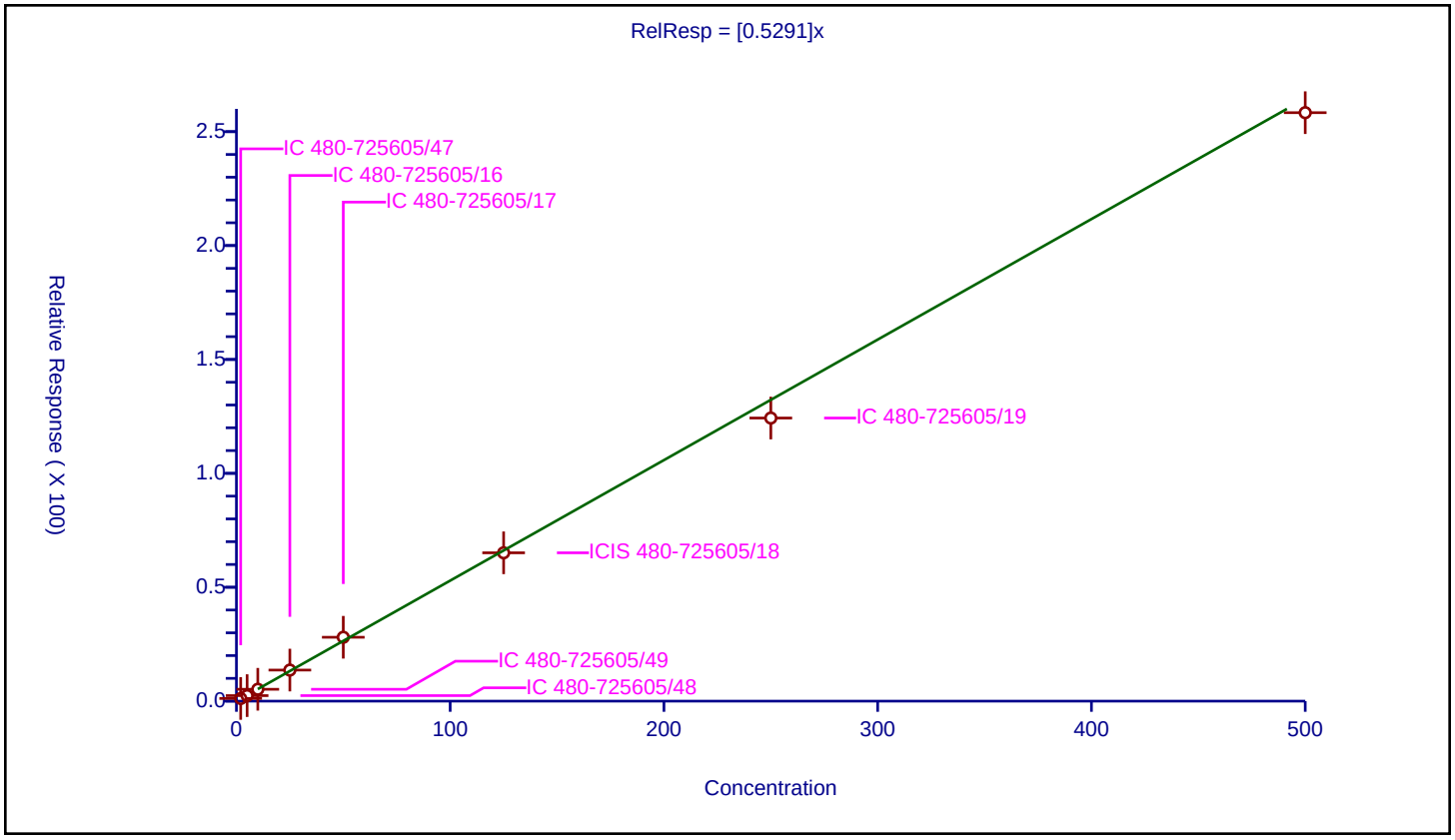
Curve Coefficients

Intercept:	0
Slope:	0.5291

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	2.0	1.172678	25.0	190760.0	0.586339	Y
2	IC 480-725605/48	5.0	2.421293	25.0	189279.0	0.484259	Y
3	IC 480-725605/49	10.0	5.209633	25.0	188401.0	0.520963	Y
4	IC 480-725605/16	25.0	13.633895	25.0	179536.0	0.545356	Y
5	IC 480-725605/17	50.0	28.040652	25.0	175020.0	0.560813	Y
6	ICIS 480-725605/18	125.0	65.118066	25.0	171768.0	0.520945	Y
7	IC 480-725605/19	250.0	124.289314	25.0	171630.0	0.497157	Y
8	IC 480-725605/20	500.0	258.336252	25.0	168463.0	0.516673	Y



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Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

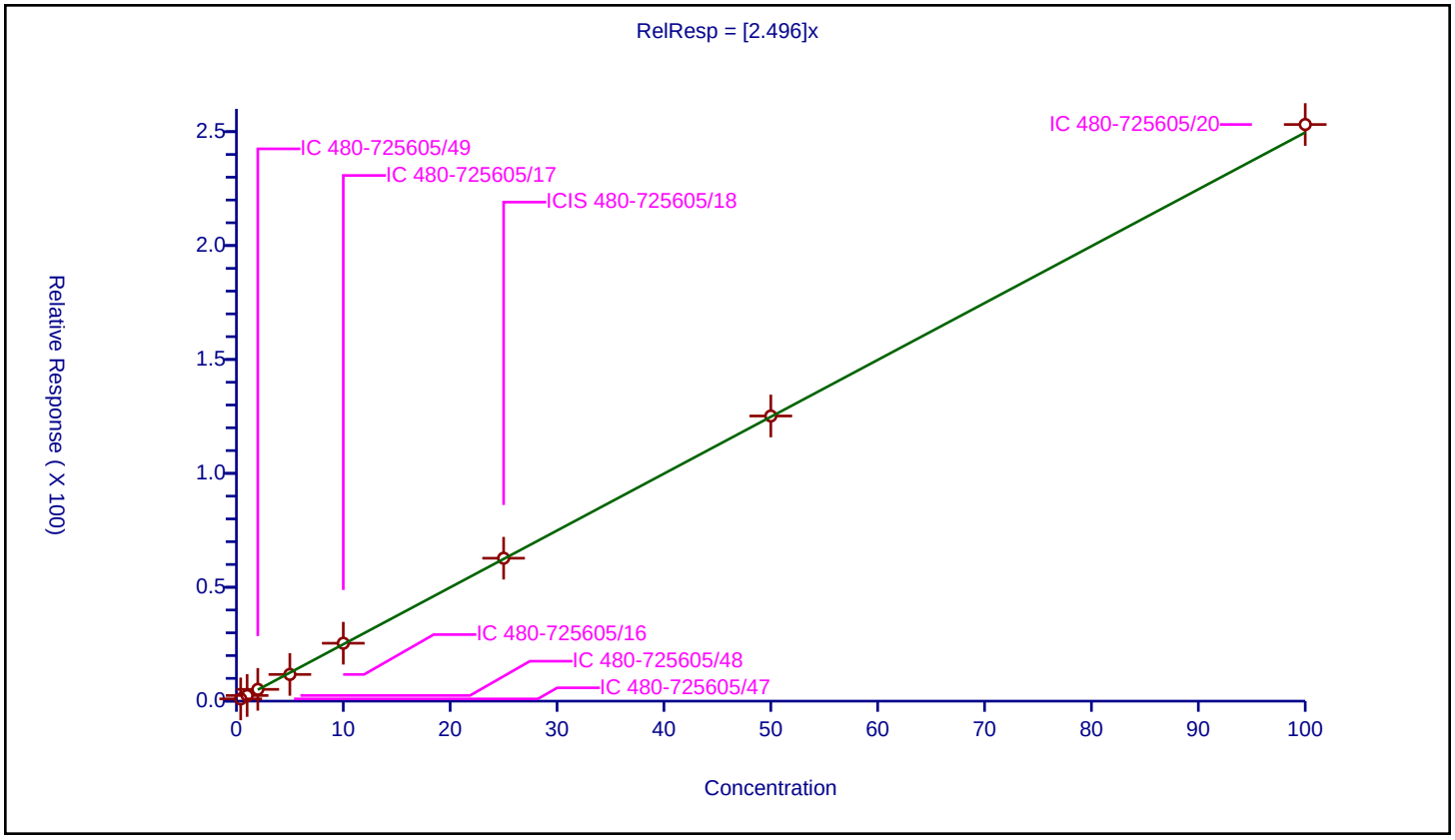
Curve Coefficients

Intercept:	0
Slope:	2.496

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.989987	25.0	190760.0	2.474969	Y
2	IC 480-725605/48	1.0	2.477295	25.0	189279.0	2.477295	Y
3	IC 480-725605/49	2.0	5.173672	25.0	188401.0	2.586836	Y
4	IC 480-725605/16	5.0	11.723833	25.0	179536.0	2.344767	Y
5	IC 480-725605/17	10.0	25.430379	25.0	175020.0	2.543038	Y
6	ICIS 480-725605/18	25.0	62.748737	25.0	171768.0	2.509949	Y
7	IC 480-725605/19	50.0	125.183389	25.0	171630.0	2.503668	Y
8	IC 480-725605/20	100.0	253.142827	25.0	168463.0	2.531428	Y



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Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

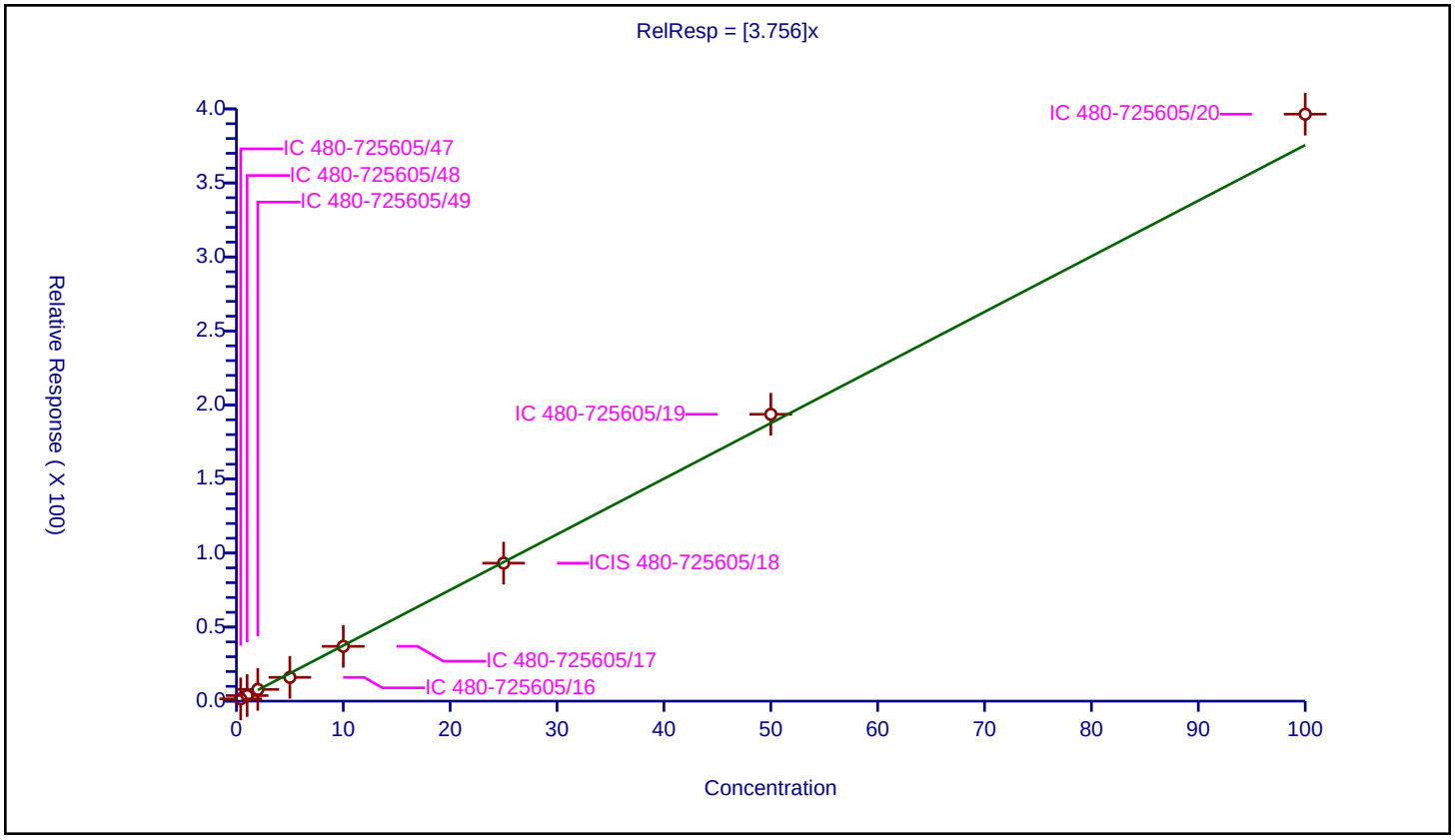
Curve Coefficients

Intercept:	0
Slope:	3.756

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.529933	25.0	190760.0	3.824832	Y
2	IC 480-725605/48	1.0	3.774587	25.0	189279.0	3.774587	Y
3	IC 480-725605/49	2.0	7.928833	25.0	188401.0	3.964416	Y
4	IC 480-725605/16	5.0	16.062517	25.0	179536.0	3.212503	Y
5	IC 480-725605/17	10.0	37.012199	25.0	175020.0	3.70122	Y
6	ICIS 480-725605/18	25.0	93.20275	25.0	171768.0	3.72811	Y
7	IC 480-725605/19	50.0	193.737983	25.0	171630.0	3.87476	Y
8	IC 480-725605/20	100.0	396.431561	25.0	168463.0	3.964316	Y



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Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

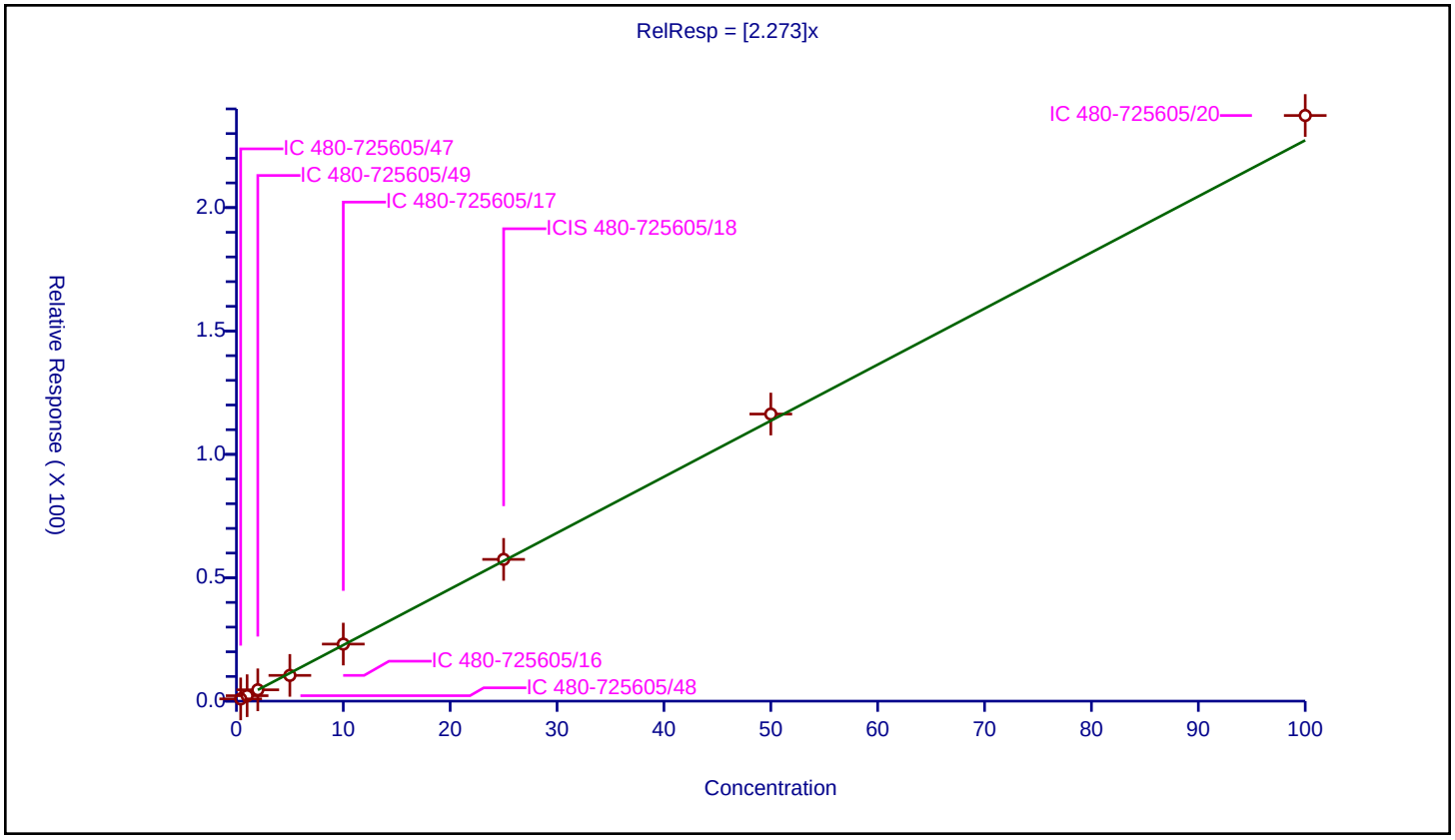
Curve Coefficients

Intercept:	0
Slope:	2.273

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.91083	25.0	190760.0	2.277076	Y
2	IC 480-725605/48	1.0	2.211814	25.0	189279.0	2.211814	Y
3	IC 480-725605/49	2.0	4.591802	25.0	188401.0	2.295901	Y
4	IC 480-725605/16	5.0	10.434398	25.0	179536.0	2.08688	Y
5	IC 480-725605/17	10.0	23.121643	25.0	175020.0	2.312164	Y
6	ICIS 480-725605/18	25.0	57.441287	25.0	171768.0	2.297651	Y
7	IC 480-725605/19	50.0	116.344753	25.0	171630.0	2.326895	Y
8	IC 480-725605/20	100.0	237.318432	25.0	168463.0	2.373184	Y



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Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

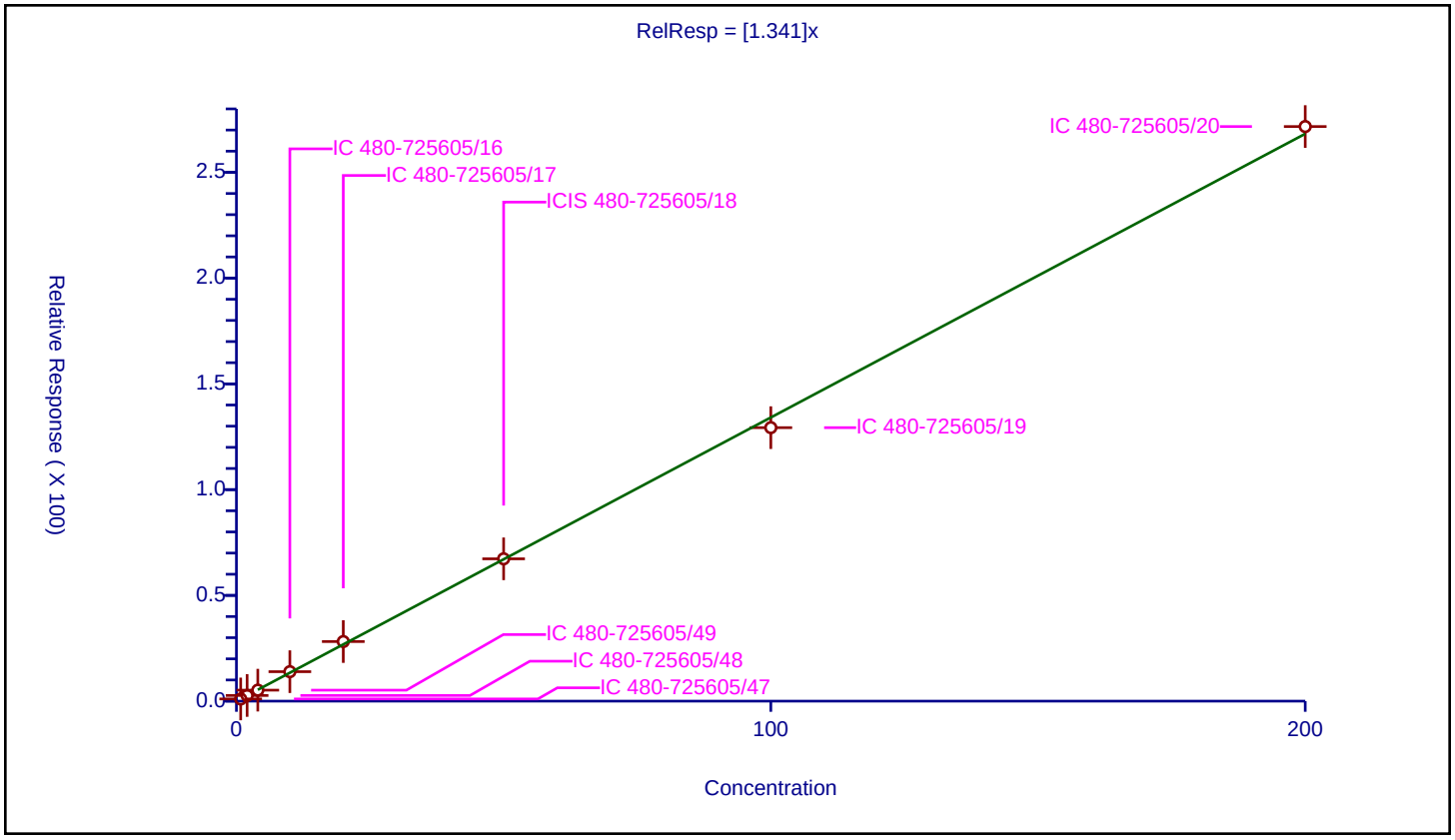
Curve Coefficients

Intercept:	0
Slope:	1.341

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.8	1.035594	25.0	190760.0	1.294493	Y
2	IC 480-725605/48	2.0	2.674227	25.0	189279.0	1.337113	Y
3	IC 480-725605/49	4.0	5.193576	25.0	188401.0	1.298394	Y
4	IC 480-725605/16	10.0	13.928961	25.0	179536.0	1.392896	Y
5	IC 480-725605/17	20.0	28.174066	25.0	175020.0	1.408703	Y
6	ICIS 480-725605/18	50.0	67.28698	25.0	171768.0	1.34574	Y
7	IC 480-725605/19	100.0	129.303006	25.0	171630.0	1.29303	Y
8	IC 480-725605/20	200.0	271.651342	25.0	168463.0	1.358257	Y



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Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

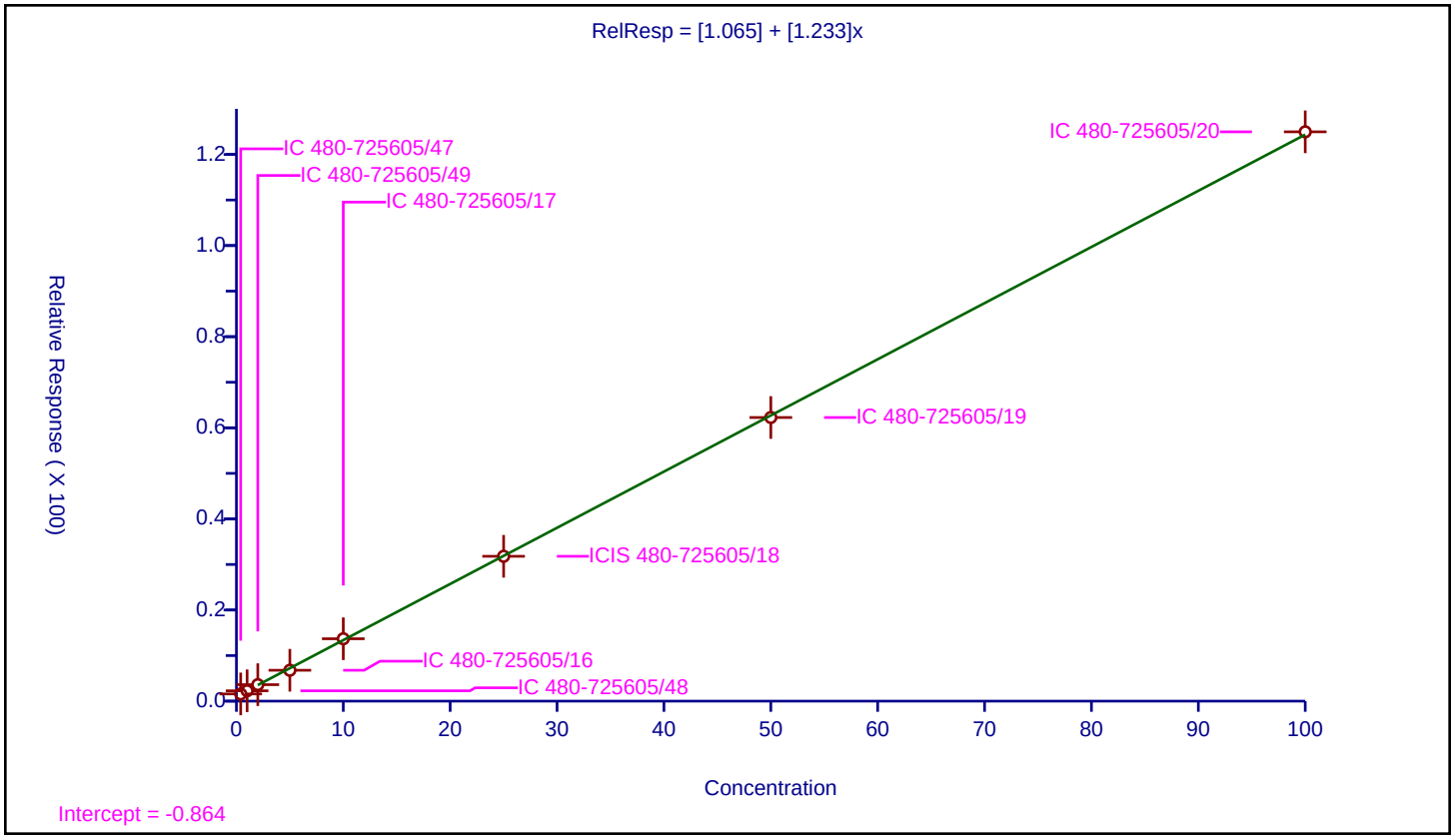
Curve Coefficients

Intercept:	1.065
Slope:	1.233

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.578685	25.0	190760.0	3.946713	Y
2	IC 480-725605/48	1.0	2.272043	25.0	189279.0	2.272043	Y
3	IC 480-725605/49	2.0	3.616488	25.0	188401.0	1.808244	Y
4	IC 480-725605/16	5.0	6.776496	25.0	179536.0	1.355299	Y
5	IC 480-725605/17	10.0	13.693578	25.0	175020.0	1.369358	Y
6	ICIS 480-725605/18	25.0	31.793029	25.0	171768.0	1.271721	Y
7	IC 480-725605/19	50.0	62.261842	25.0	171630.0	1.245237	Y
8	IC 480-725605/20	100.0	124.963939	25.0	168463.0	1.249639	Y



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Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

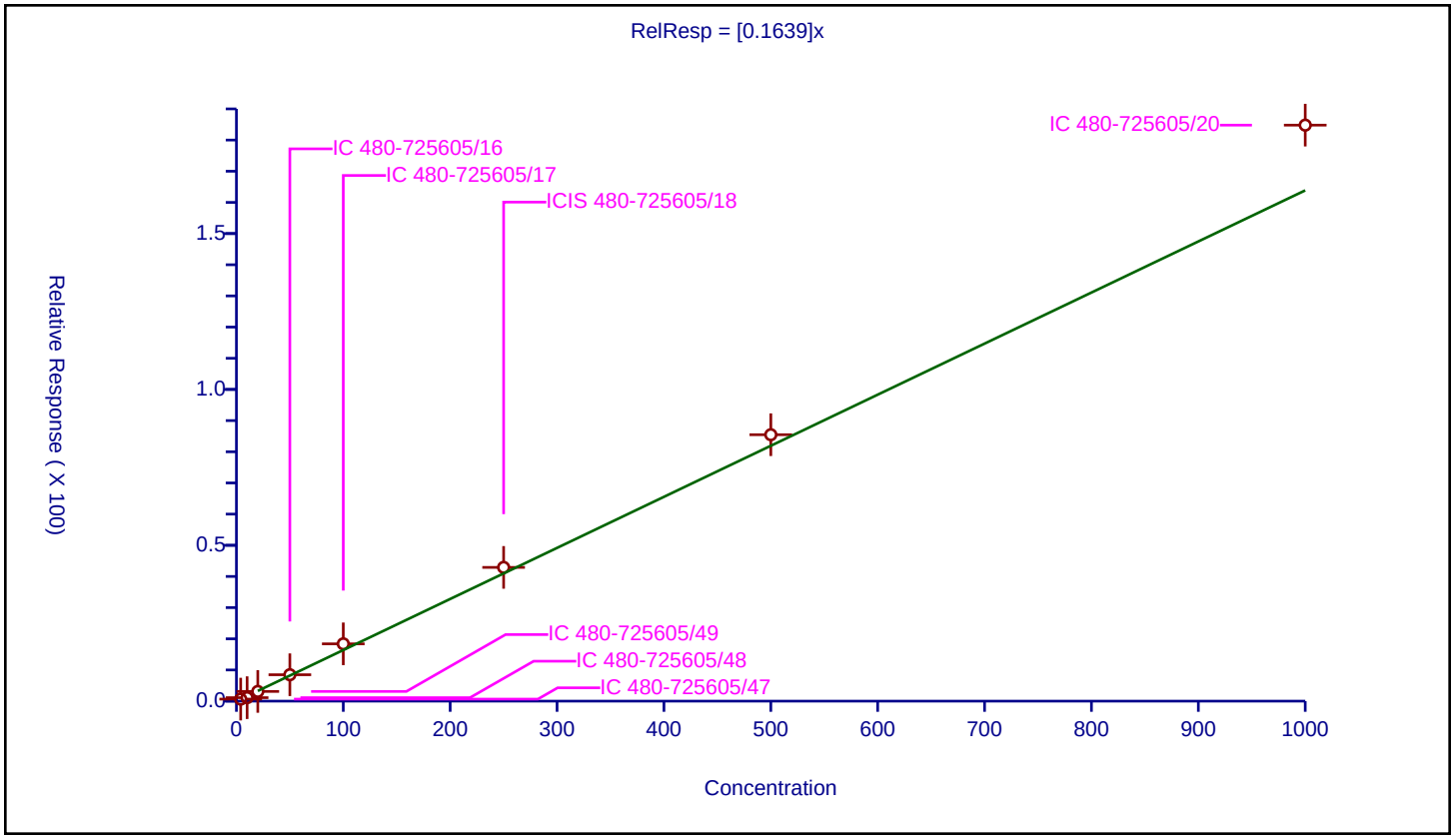
Curve Coefficients

Intercept:	0
Slope:	0.1639

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	4.0	0.650294	25.0	190760.0	0.162573	Y
2	IC 480-725605/48	10.0	1.118587	25.0	189279.0	0.111859	Y
3	IC 480-725605/49	20.0	3.116756	25.0	188401.0	0.155838	Y
4	IC 480-725605/16	50.0	8.468218	25.0	179536.0	0.169364	Y
5	IC 480-725605/17	100.0	18.386042	25.0	175020.0	0.18386	Y
6	ICIS 480-725605/18	250.0	42.906275	25.0	171768.0	0.171625	Y
7	IC 480-725605/19	500.0	85.473839	25.0	171630.0	0.170948	Y
8	IC 480-725605/20	1000.0	184.784196	25.0	168463.0	0.184784	Y



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Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

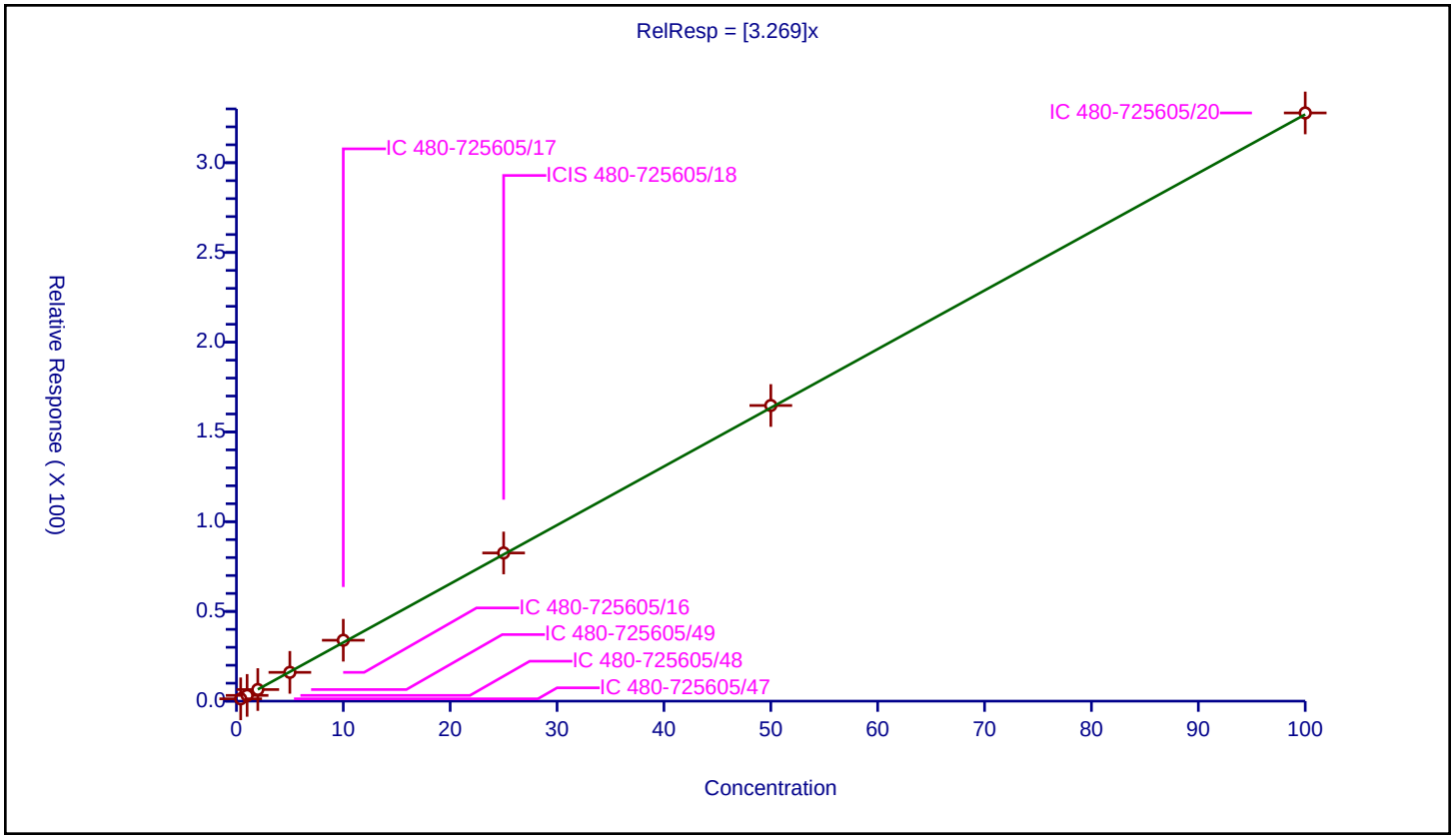
Curve Coefficients

Intercept:	0
Slope:	3.269

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.301242	25.0	190760.0	3.253106	Y
2	IC 480-725605/48	1.0	3.191981	25.0	189279.0	3.191981	Y
3	IC 480-725605/49	2.0	6.468384	25.0	188401.0	3.234192	Y
4	IC 480-725605/16	5.0	16.035363	25.0	179536.0	3.207073	Y
5	IC 480-725605/17	10.0	33.926266	25.0	175020.0	3.392627	Y
6	ICIS 480-725605/18	25.0	82.566893	25.0	171768.0	3.302676	Y
7	IC 480-725605/19	50.0	164.73708	25.0	171630.0	3.294742	Y
8	IC 480-725605/20	100.0	327.74259	25.0	168463.0	3.277426	Y



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Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

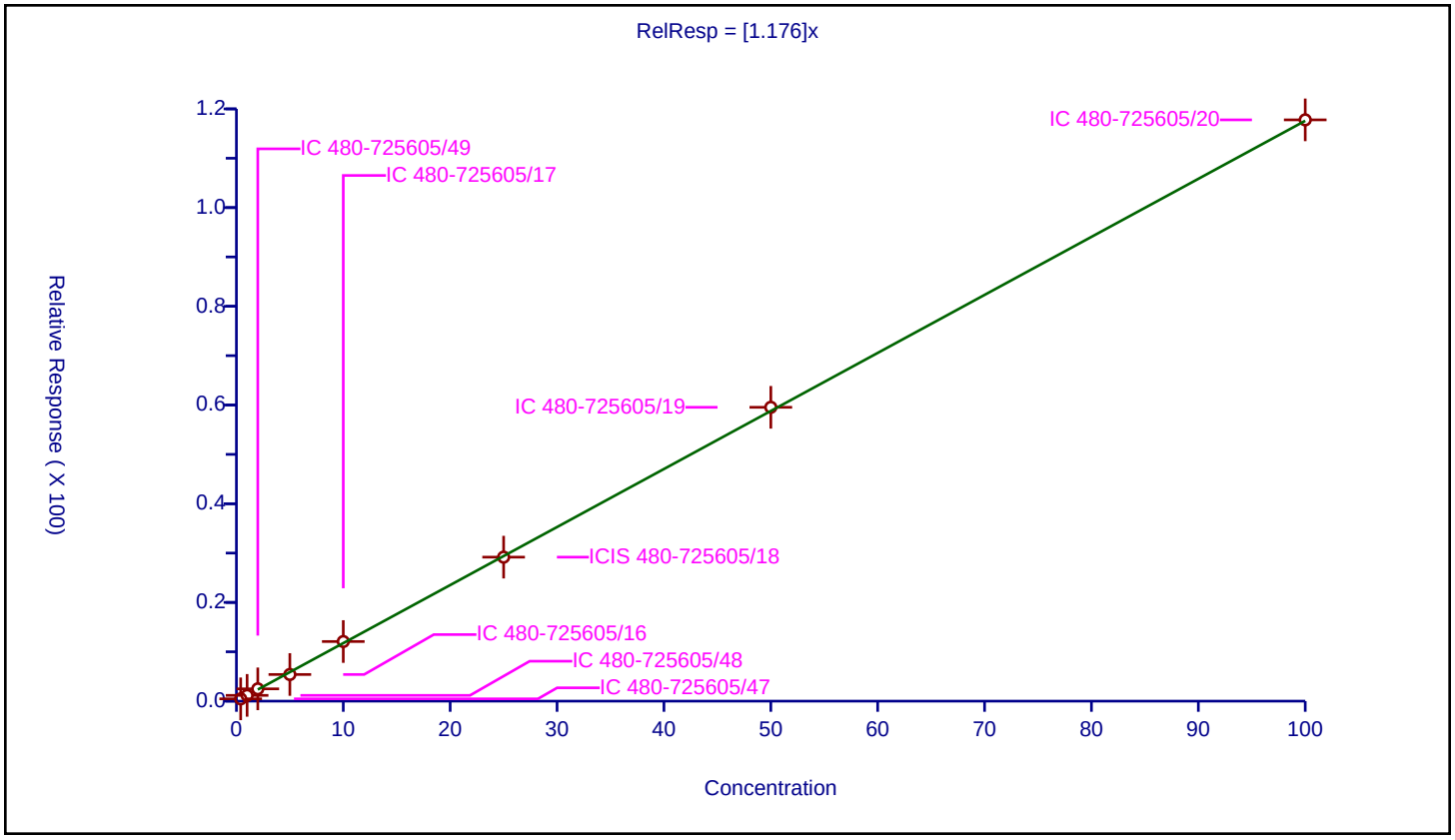
Curve Coefficients

Intercept:	0
Slope:	1.176

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.467472	25.0	190760.0	1.168681	Y
2	IC 480-725605/48	1.0	1.168381	25.0	189279.0	1.168381	Y
3	IC 480-725605/49	2.0	2.49176	25.0	188401.0	1.24588	Y
4	IC 480-725605/16	5.0	5.401841	25.0	179536.0	1.080368	Y
5	IC 480-725605/17	10.0	12.079905	25.0	175020.0	1.207991	Y
6	ICIS 480-725605/18	25.0	29.177874	25.0	171768.0	1.167115	Y
7	IC 480-725605/19	50.0	59.538251	25.0	171630.0	1.190765	Y
8	IC 480-725605/20	100.0	117.774971	25.0	168463.0	1.17775	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

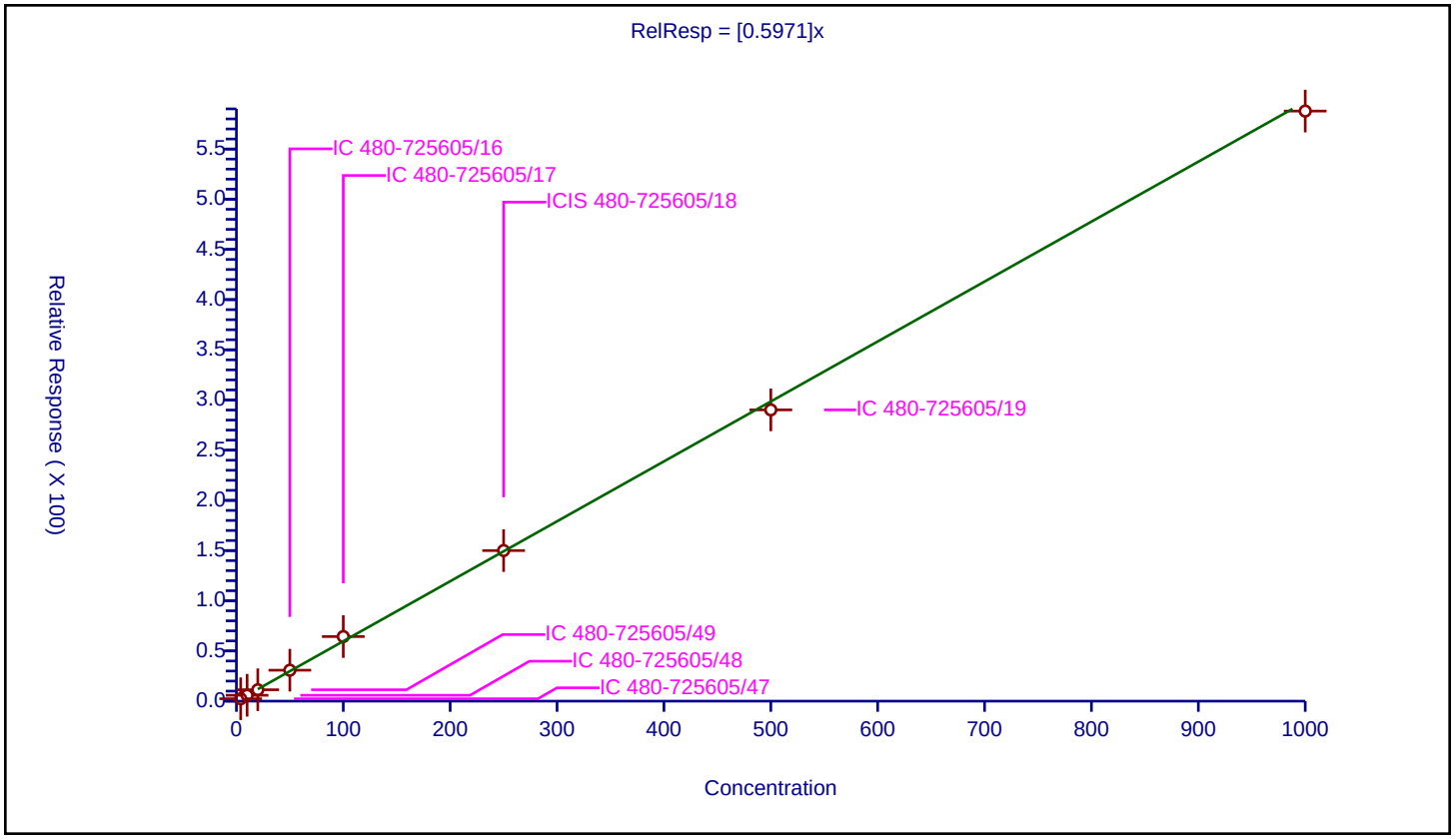
Curve Coefficients

Intercept:	0
Slope:	0.5971

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	4.0	2.38323	25.0	190760.0	0.595808	Y
2	IC 480-725605/48	10.0	5.859472	25.0	189279.0	0.585947	Y
3	IC 480-725605/49	20.0	11.341633	25.0	188401.0	0.567082	Y
4	IC 480-725605/16	50.0	30.815825	25.0	179536.0	0.616317	Y
5	IC 480-725605/17	100.0	64.339504	25.0	175020.0	0.643395	Y
6	ICIS 480-725605/18	250.0	150.01077	25.0	171768.0	0.600043	Y
7	IC 480-725605/19	500.0	290.15513	25.0	171630.0	0.58031	Y
8	IC 480-725605/20	1000.0	587.829969	25.0	168463.0	0.58783	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

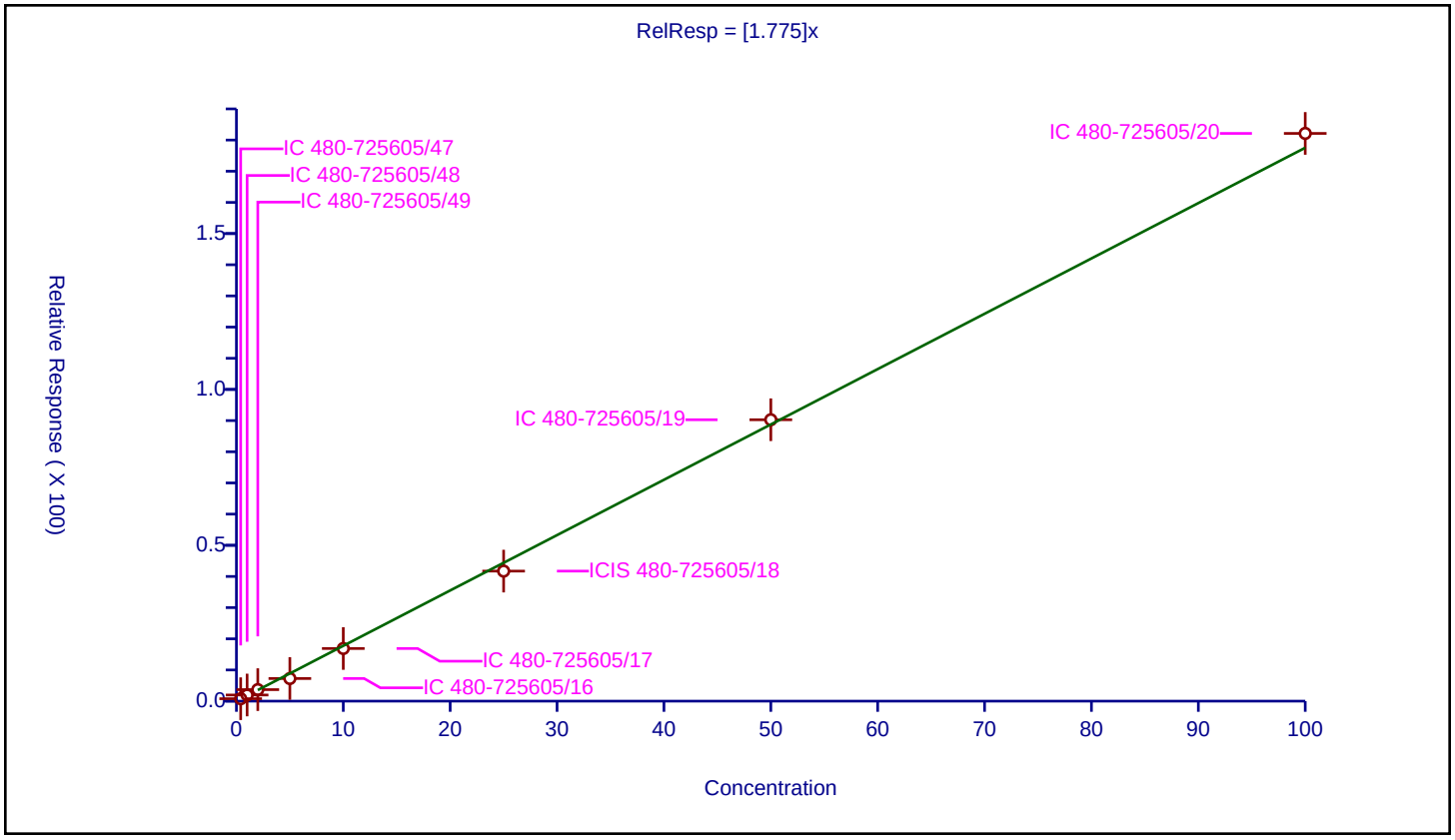
Curve Coefficients

Intercept:	0
Slope:	1.775

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.780431	25.0	190760.0	1.951077	Y
2	IC 480-725605/48	1.0	1.965221	25.0	189279.0	1.965221	Y
3	IC 480-725605/49	2.0	3.699688	25.0	188401.0	1.849844	Y
4	IC 480-725605/16	5.0	7.259408	25.0	179536.0	1.451882	Y
5	IC 480-725605/17	10.0	16.88707	25.0	175020.0	1.688707	Y
6	ICIS 480-725605/18	25.0	41.716152	25.0	171768.0	1.668646	Y
7	IC 480-725605/19	50.0	90.276758	25.0	171630.0	1.805535	Y
8	IC 480-725605/20	100.0	182.126787	25.0	168463.0	1.821268	Y



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Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

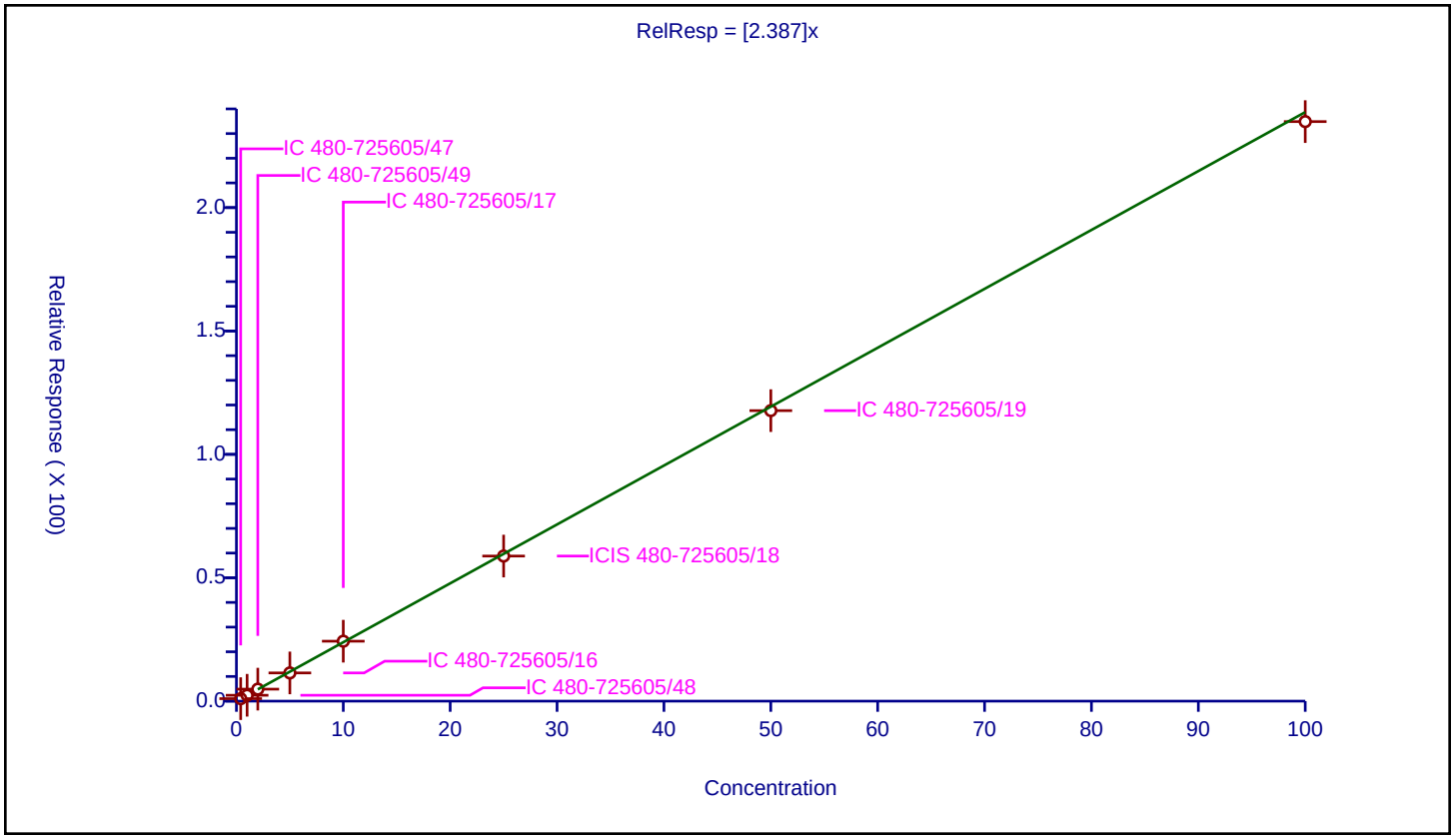
Curve Coefficients

Intercept:	0
Slope:	2.387

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.005583	25.0	190760.0	2.513957	Y
2	IC 480-725605/48	1.0	2.377575	25.0	189279.0	2.377575	Y
3	IC 480-725605/49	2.0	4.865022	25.0	188401.0	2.432511	Y
4	IC 480-725605/16	5.0	11.42988	25.0	179536.0	2.285976	Y
5	IC 480-725605/17	10.0	24.289795	25.0	175020.0	2.42898	Y
6	ICIS 480-725605/18	25.0	58.791655	25.0	171768.0	2.351666	Y
7	IC 480-725605/19	50.0	117.722863	25.0	171630.0	2.354457	Y
8	IC 480-725605/20	100.0	234.849937	25.0	168463.0	2.348499	Y



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Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

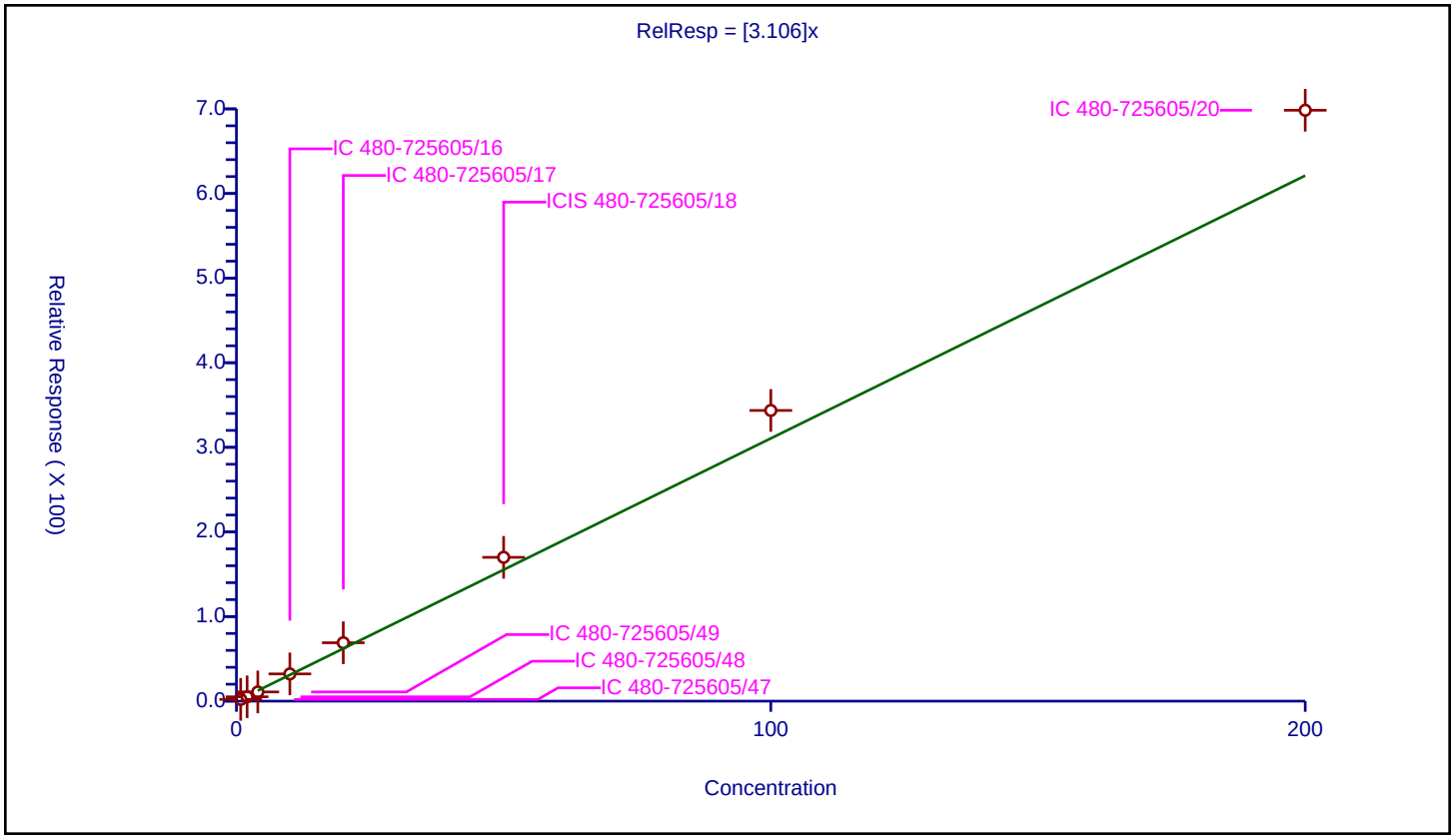
Curve Coefficients

Intercept:	0
Slope:	3.106

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.8	2.061884	25.0	190760.0	2.577355	Y
2	IC 480-725605/48	2.0	5.101728	25.0	189279.0	2.550864	Y
3	IC 480-725605/49	4.0	10.871227	25.0	188401.0	2.717807	Y
4	IC 480-725605/16	10.0	32.203291	25.0	179536.0	3.220329	Y
5	IC 480-725605/17	20.0	69.031682	25.0	175020.0	3.451584	Y
6	ICIS 480-725605/18	50.0	169.976218	25.0	171768.0	3.399524	Y
7	IC 480-725605/19	100.0	343.582707	25.0	171630.0	3.435827	Y
8	IC 480-725605/20	200.0	698.408256	25.0	168463.0	3.492041	Y



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Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

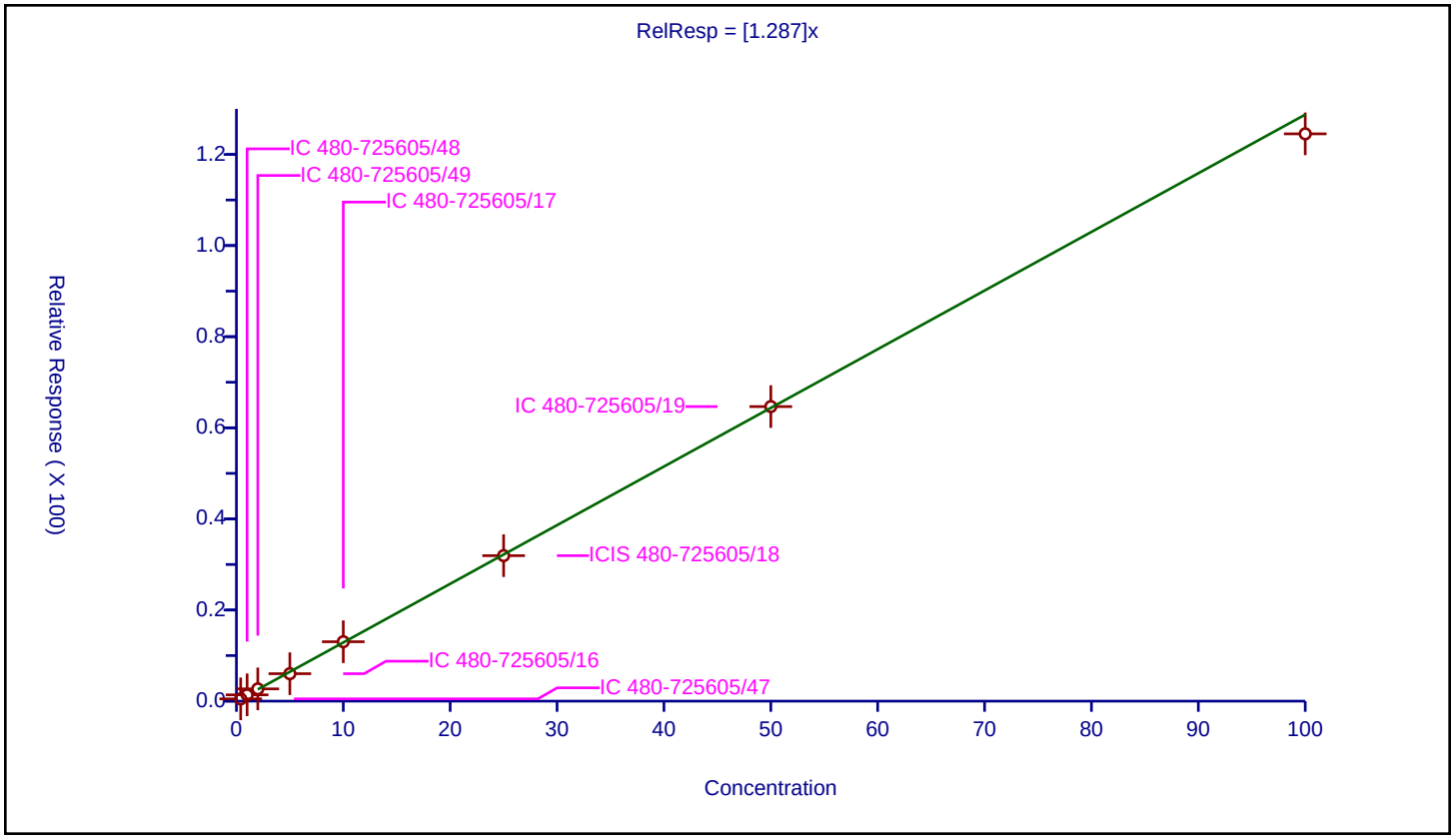
Curve Coefficients

Intercept:	0
Slope:	1.287

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.49696	25.0	190760.0	1.242399	Y
2	IC 480-725605/48	1.0	1.385389	25.0	189279.0	1.385389	Y
3	IC 480-725605/49	2.0	2.694784	25.0	188401.0	1.347392	Y
4	IC 480-725605/16	5.0	6.022191	25.0	179536.0	1.204438	Y
5	IC 480-725605/17	10.0	13.041795	25.0	175020.0	1.30418	Y
6	ICIS 480-725605/18	25.0	31.935081	25.0	171768.0	1.277403	Y
7	IC 480-725605/19	50.0	64.659005	25.0	171630.0	1.29318	Y
8	IC 480-725605/20	100.0	124.524525	25.0	168463.0	1.245245	Y



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Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

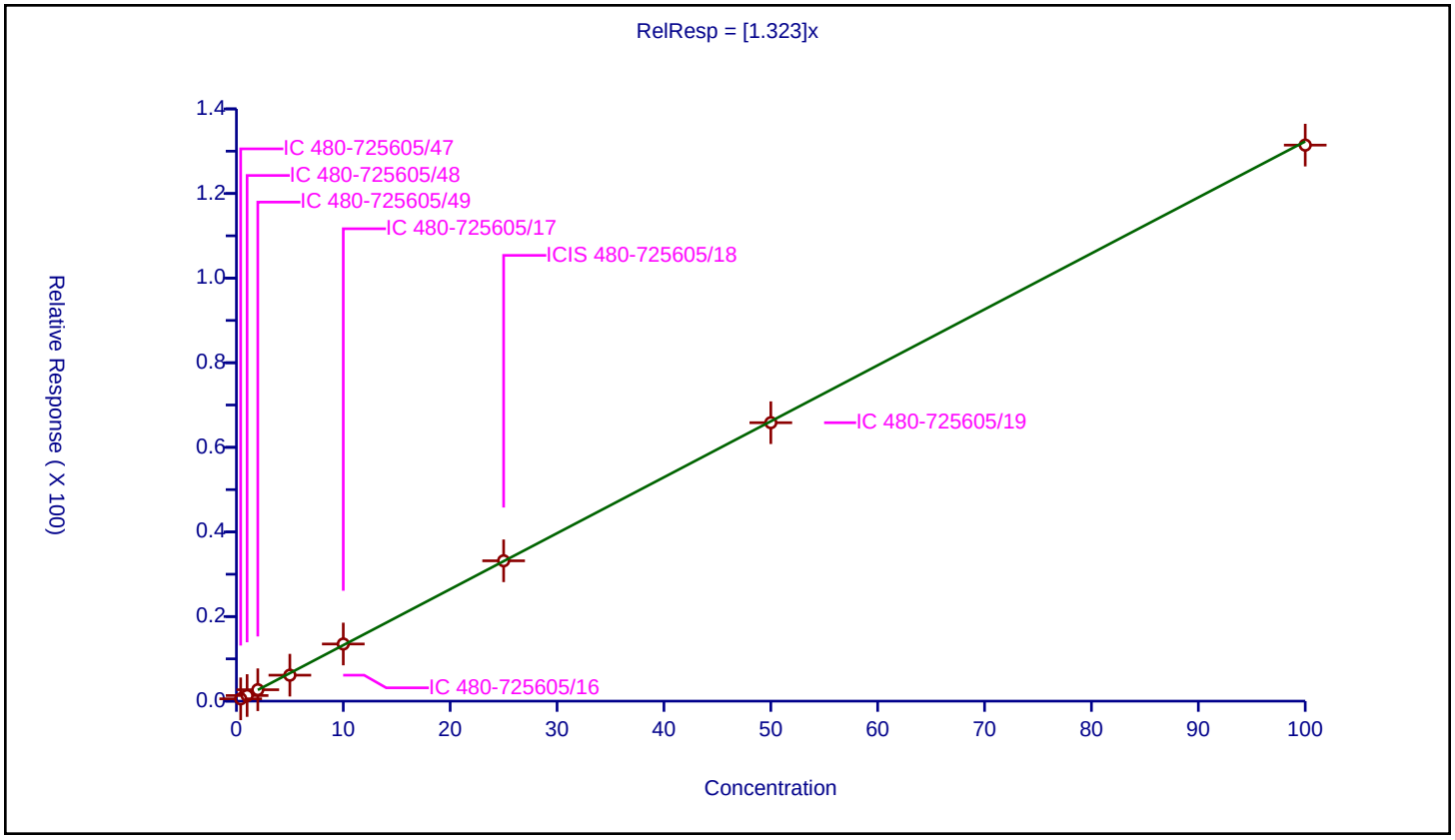
Curve Coefficients

Intercept:	0
Slope:	1.323

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.550168	25.0	190760.0	1.375419	Y
2	IC 480-725605/48	1.0	1.323839	25.0	189279.0	1.323839	Y
3	IC 480-725605/49	2.0	2.696642	25.0	188401.0	1.348321	Y
4	IC 480-725605/16	5.0	6.137905	25.0	179536.0	1.227581	Y
5	IC 480-725605/17	10.0	13.50917	25.0	175020.0	1.350917	Y
6	ICIS 480-725605/18	25.0	33.178473	25.0	171768.0	1.327139	Y
7	IC 480-725605/19	50.0	65.81935	25.0	171630.0	1.316387	Y
8	IC 480-725605/20	100.0	131.438803	25.0	168463.0	1.314388	Y



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Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

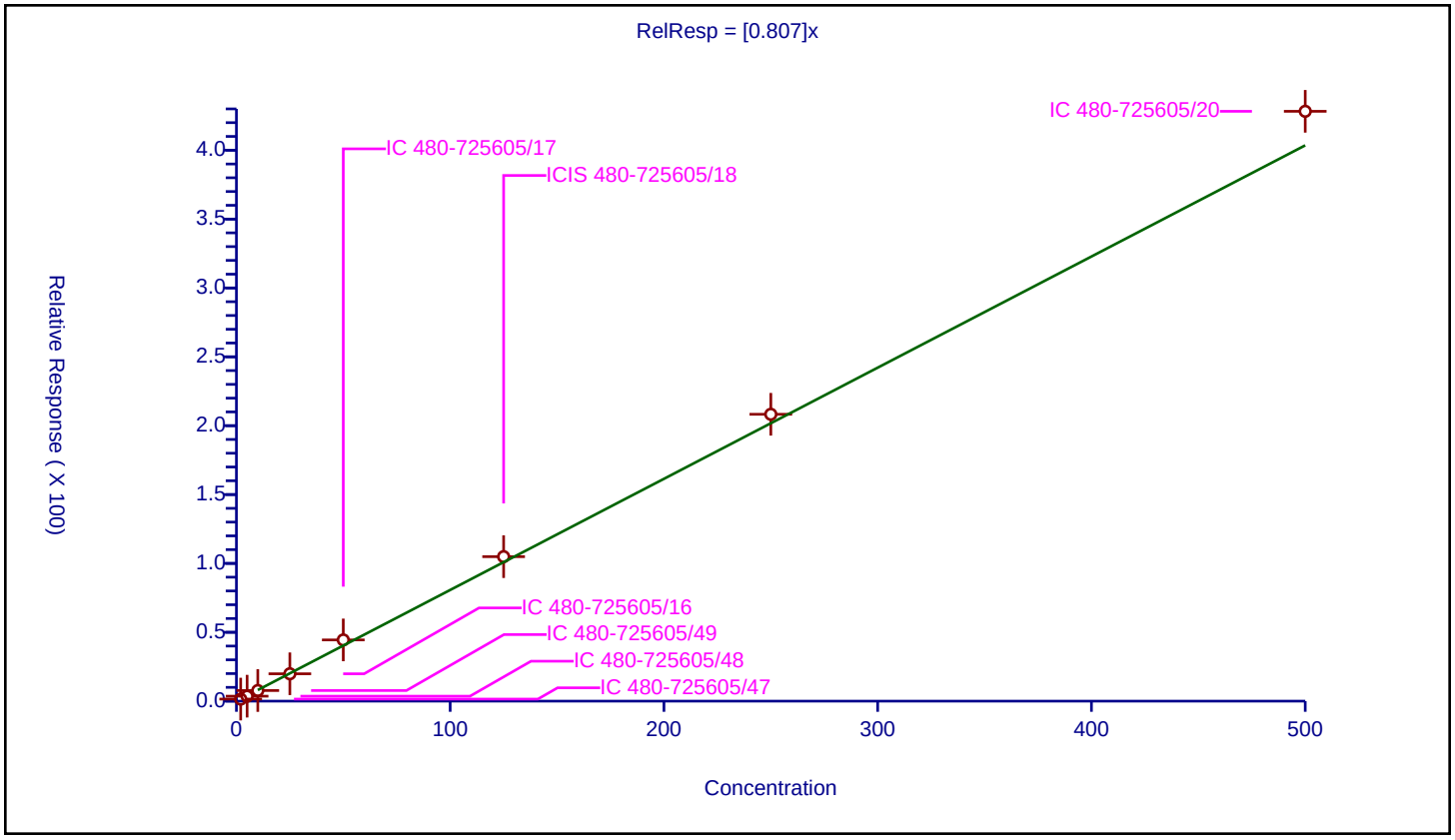
Curve Coefficients

Intercept:	0
Slope:	0.807

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	2.0	1.498611	25.0	190760.0	0.749305	Y
2	IC 480-725605/48	5.0	3.61477	25.0	189279.0	0.722954	Y
3	IC 480-725605/49	10.0	7.713202	25.0	188401.0	0.77132	Y
4	IC 480-725605/16	25.0	19.876097	25.0	179536.0	0.795044	Y
5	IC 480-725605/17	50.0	44.445206	25.0	175020.0	0.888904	Y
6	ICIS 480-725605/18	125.0	104.905308	25.0	171768.0	0.839242	Y
7	IC 480-725605/19	250.0	208.272884	25.0	171630.0	0.833092	Y
8	IC 480-725605/20	500.0	428.249675	25.0	168463.0	0.856499	Y



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Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

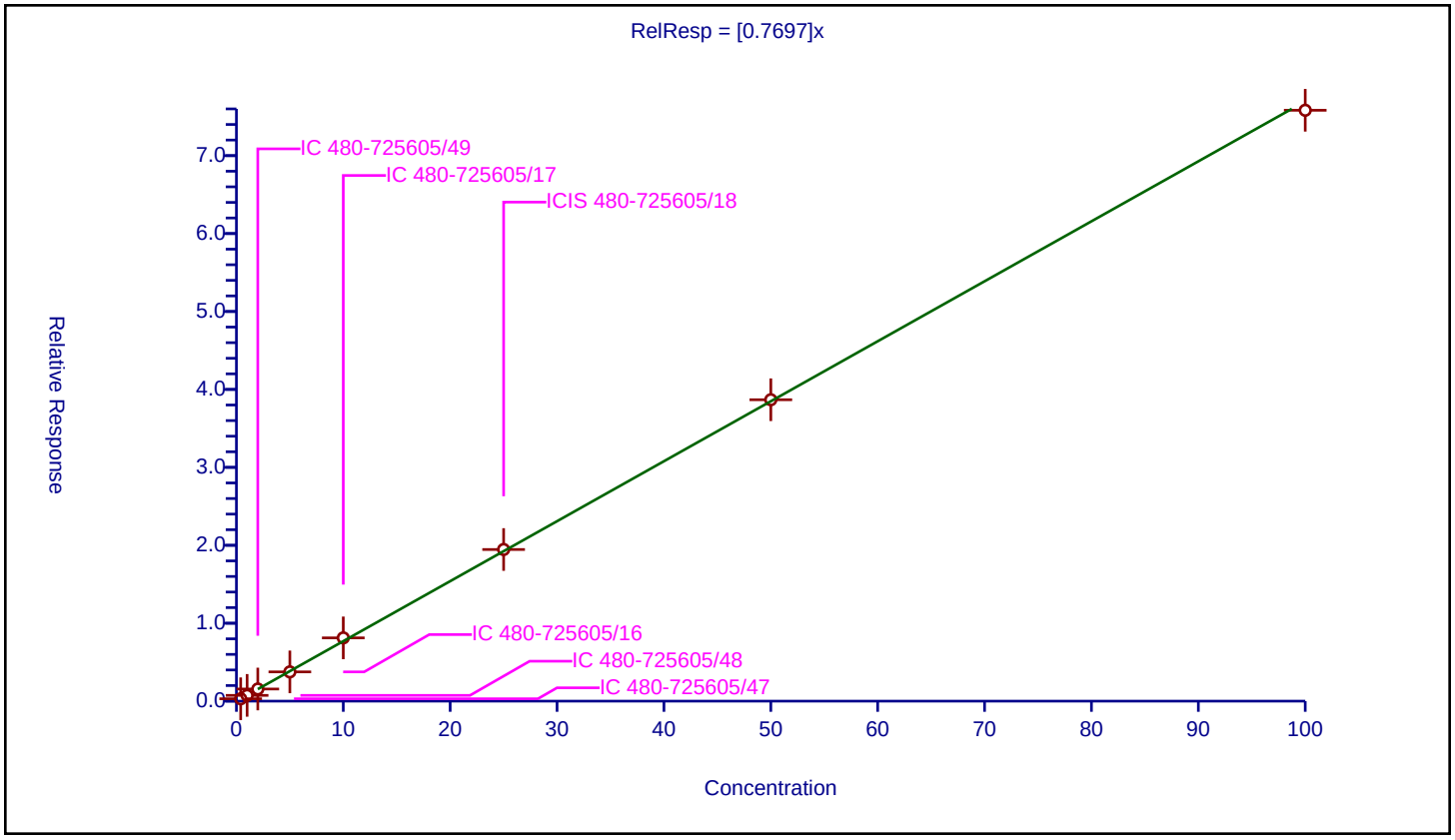
Curve Coefficients

Intercept:	0
Slope:	0.7697

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.306144	25.0	190760.0	0.76536	Y
2	IC 480-725605/48	1.0	0.740706	25.0	189279.0	0.740706	Y
3	IC 480-725605/49	2.0	1.55599	25.0	188401.0	0.777995	Y
4	IC 480-725605/16	5.0	3.755932	25.0	179536.0	0.751186	Y
5	IC 480-725605/17	10.0	8.118501	25.0	175020.0	0.81185	Y
6	ICIS 480-725605/18	25.0	19.460406	25.0	171768.0	0.778416	Y
7	IC 480-725605/19	50.0	38.677824	25.0	171630.0	0.773556	Y
8	IC 480-725605/20	100.0	75.822139	25.0	168463.0	0.758221	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

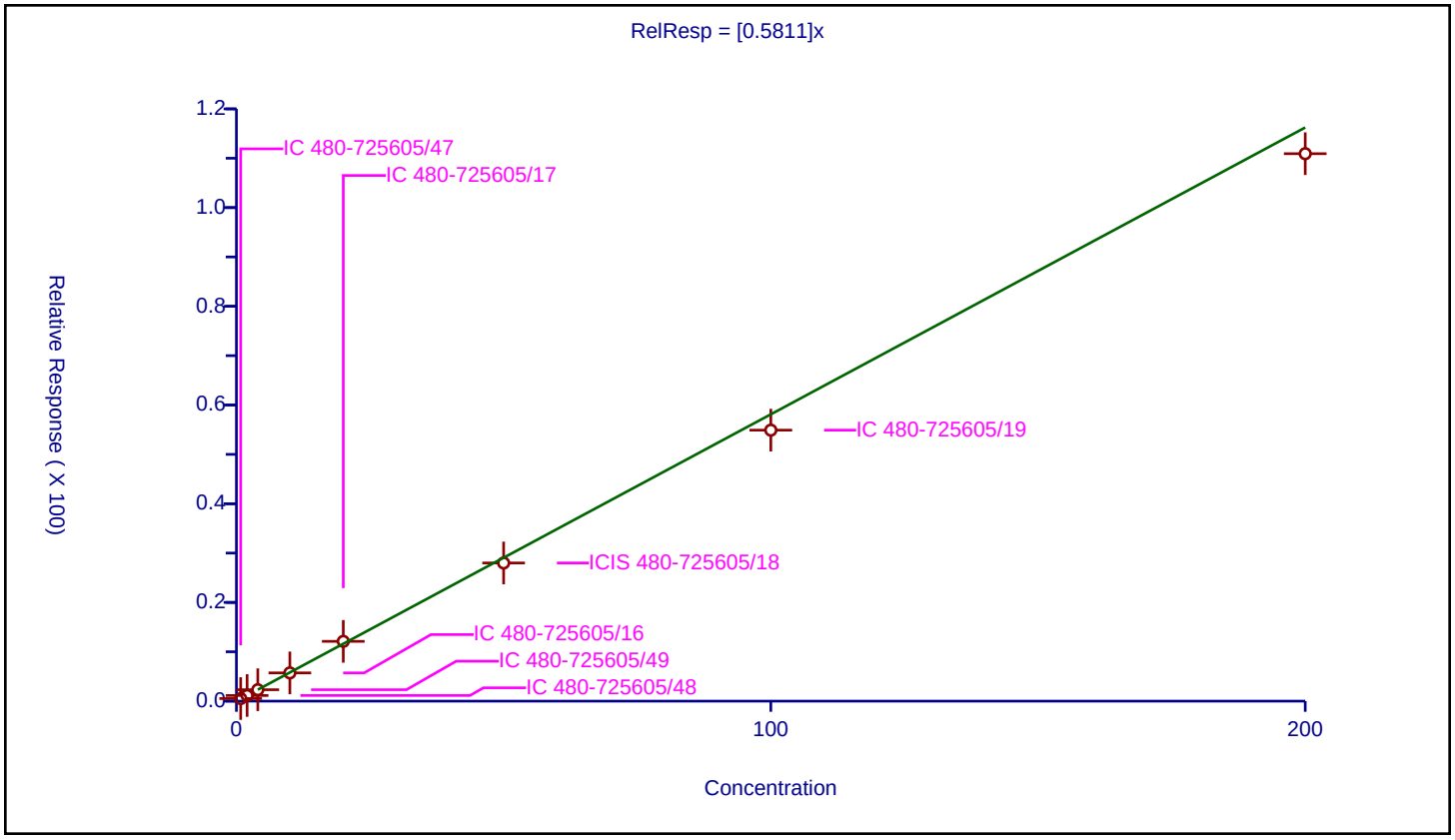
Curve Coefficients

Intercept:	0
Slope:	0.5811

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.8	0.528282	25.0	190760.0	0.660352	Y
2	IC 480-725605/48	2.0	1.138795	25.0	189279.0	0.569398	Y
3	IC 480-725605/49	4.0	2.311028	25.0	188401.0	0.577757	Y
4	IC 480-725605/16	10.0	5.7242	25.0	179536.0	0.57242	Y
5	IC 480-725605/17	20.0	12.113187	25.0	175020.0	0.605659	Y
6	ICIS 480-725605/18	50.0	27.994009	25.0	171768.0	0.55988	Y
7	IC 480-725605/19	100.0	54.908815	25.0	171630.0	0.549088	Y
8	IC 480-725605/20	200.0	110.924209	25.0	168463.0	0.554621	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

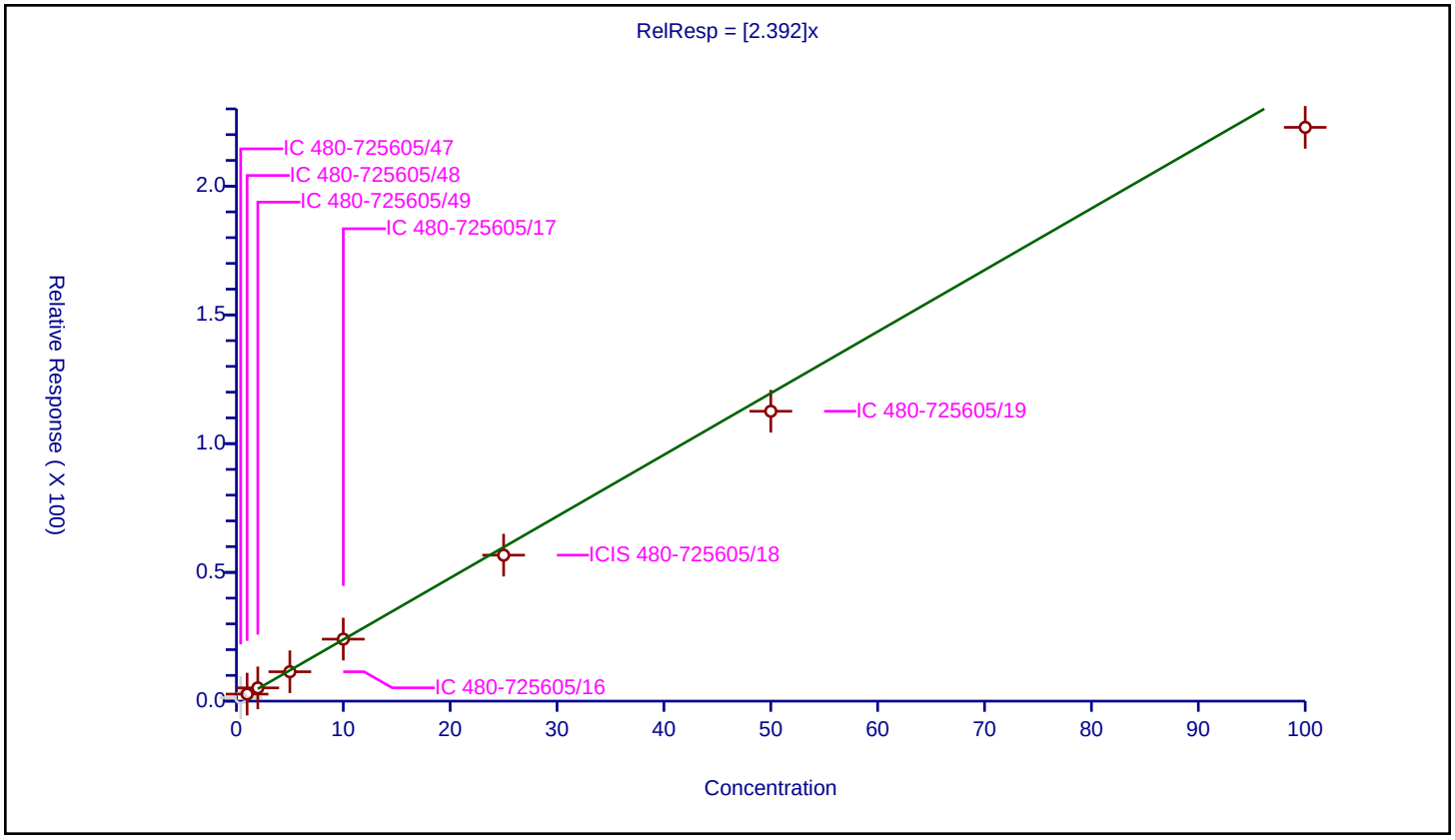
Curve Coefficients

Intercept:	0
Slope:	2.392

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.343835	25.0	190760.0	3.359588	N
2	IC 480-725605/48	1.0	2.729833	25.0	189279.0	2.729833	Y
3	IC 480-725605/49	2.0	5.146602	25.0	188401.0	2.573301	Y
4	IC 480-725605/16	5.0	11.415677	25.0	179536.0	2.283135	Y
5	IC 480-725605/17	10.0	24.07082	25.0	175020.0	2.407082	Y
6	ICIS 480-725605/18	25.0	56.698134	25.0	171768.0	2.267925	Y
7	IC 480-725605/19	50.0	112.577929	25.0	171630.0	2.251559	Y
8	IC 480-725605/20	100.0	222.829049	25.0	168463.0	2.22829	Y



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Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

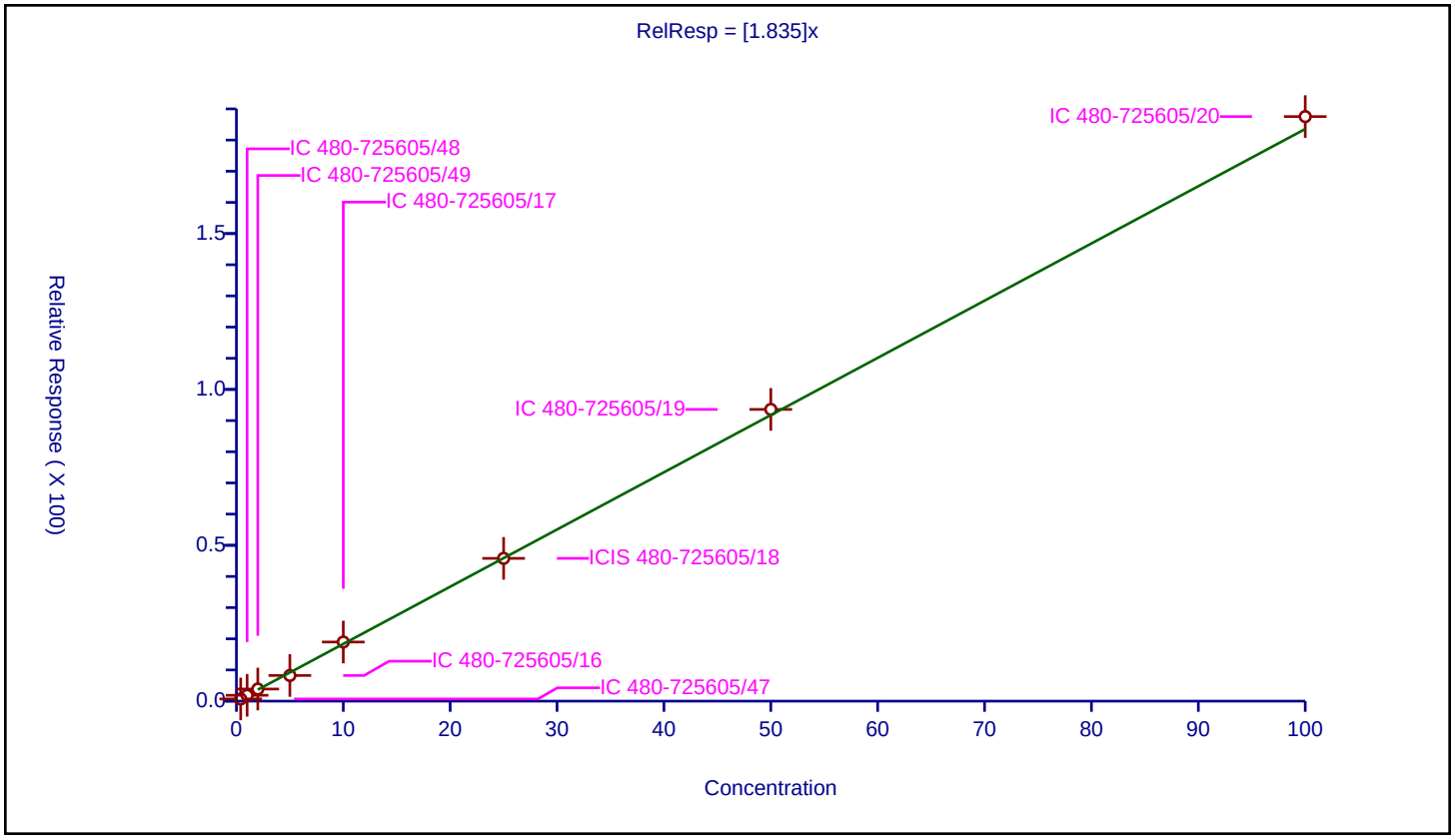
Curve Coefficients

Intercept:	0
Slope:	1.835

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.699832	25.0	190760.0	1.749581	Y
2	IC 480-725605/48	1.0	1.87184	25.0	189279.0	1.87184	Y
3	IC 480-725605/49	2.0	3.880553	25.0	188401.0	1.940276	Y
4	IC 480-725605/16	5.0	8.22913	25.0	179536.0	1.645826	Y
5	IC 480-725605/17	10.0	18.967404	25.0	175020.0	1.89674	Y
6	ICIS 480-725605/18	25.0	45.798839	25.0	171768.0	1.831954	Y
7	IC 480-725605/19	50.0	93.594069	25.0	171630.0	1.871881	Y
8	IC 480-725605/20	100.0	187.528864	25.0	168463.0	1.875289	Y



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Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

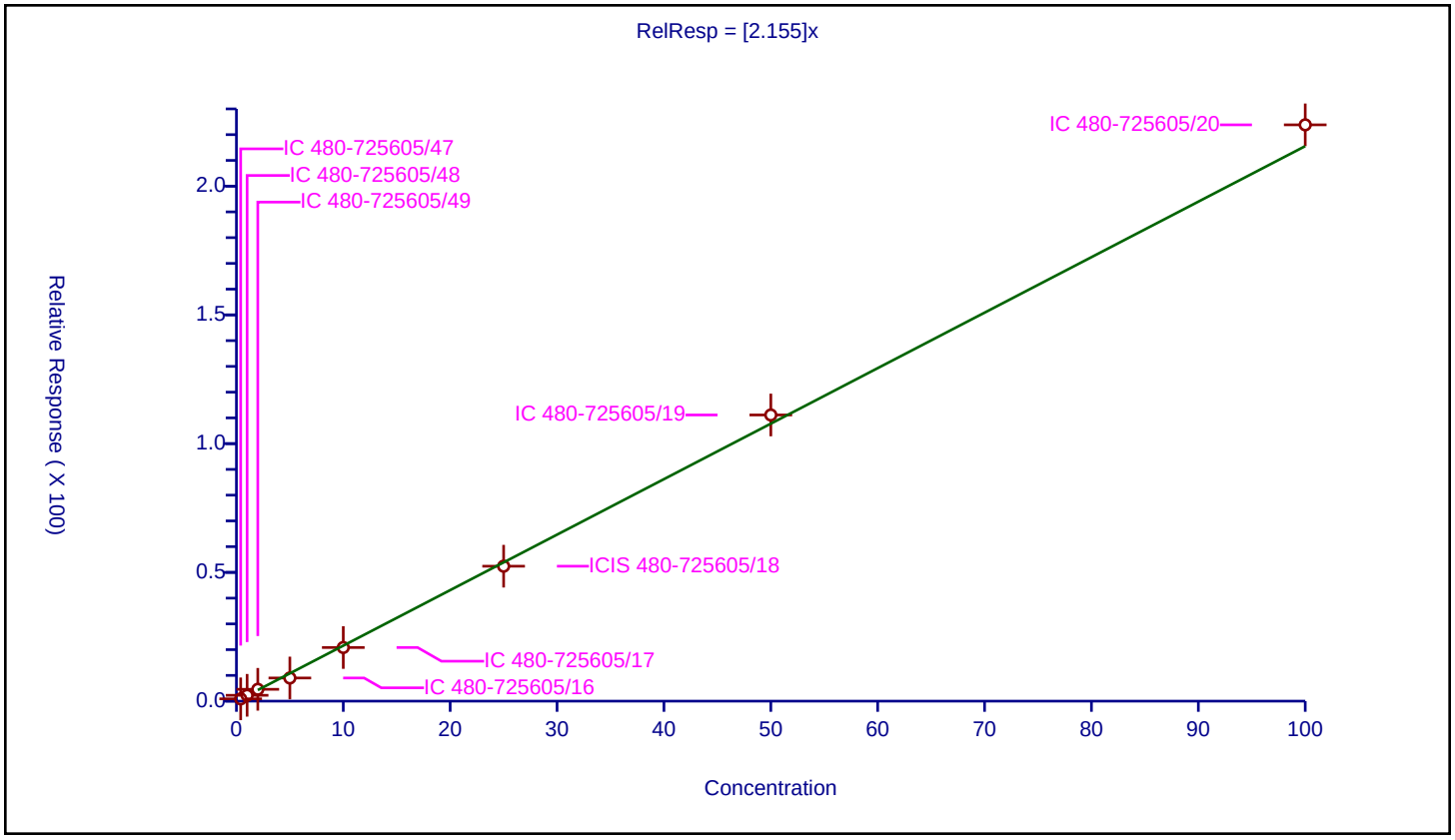
Curve Coefficients

Intercept:	0
Slope:	2.155

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.893269	25.0	190760.0	2.233173	Y
2	IC 480-725605/48	1.0	2.272703	25.0	189279.0	2.272703	Y
3	IC 480-725605/49	2.0	4.595119	25.0	188401.0	2.297559	Y
4	IC 480-725605/16	5.0	8.994018	25.0	179536.0	1.798804	Y
5	IC 480-725605/17	10.0	20.82762	25.0	175020.0	2.082762	Y
6	ICIS 480-725605/18	25.0	52.407026	25.0	171768.0	2.096281	Y
7	IC 480-725605/19	50.0	111.132815	25.0	171630.0	2.222656	Y
8	IC 480-725605/20	100.0	223.802259	25.0	168463.0	2.238023	Y



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Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

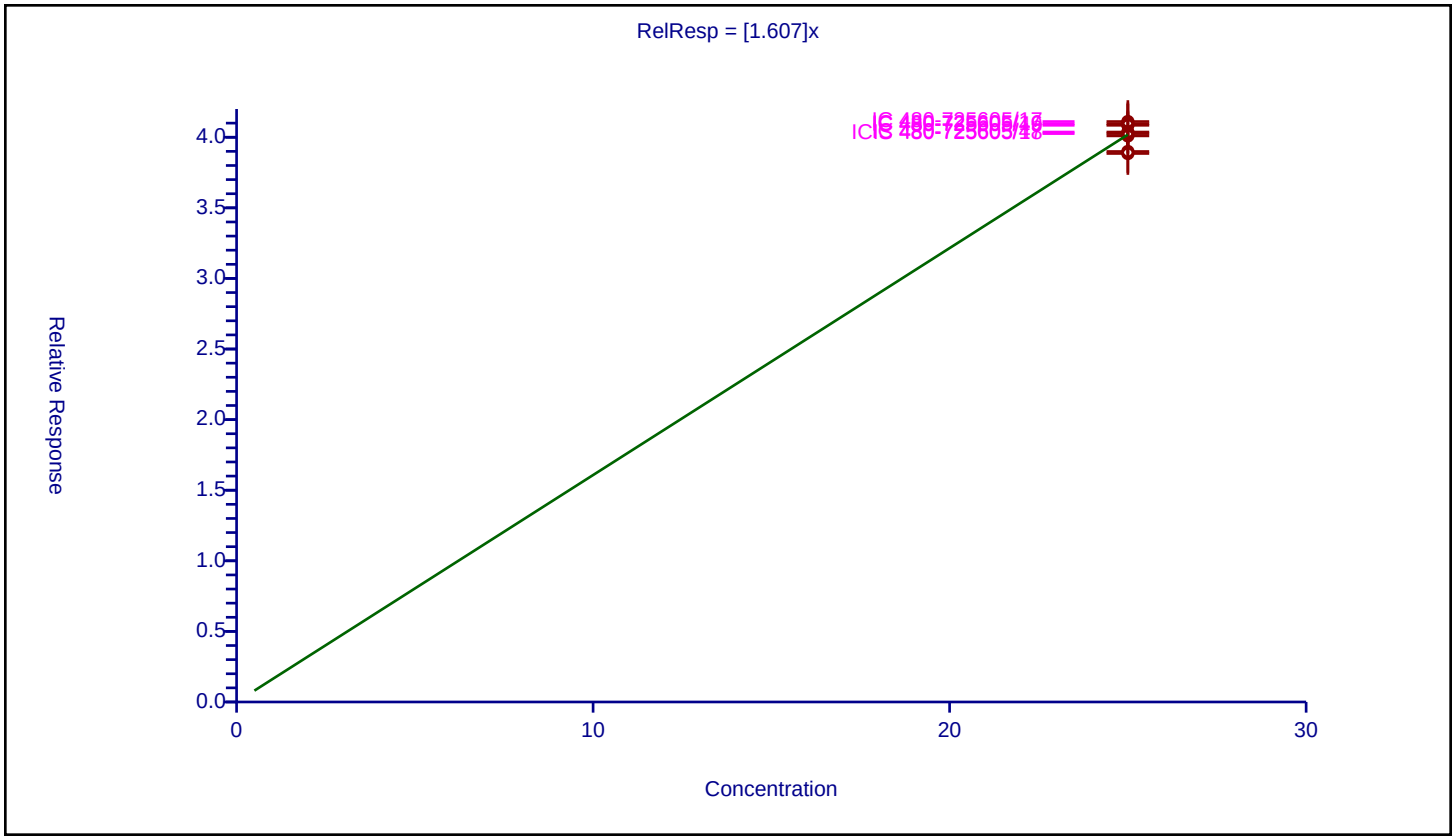
Curve Coefficients

Intercept:	0
Slope:	1.607

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/16	25.0	40.949865	25.0	179536.0	1.637995	Y
2	IC 480-725605/17	25.0	41.111444	25.0	175020.0	1.644458	Y
3	ICIS 480-725605/18	25.0	40.258226	25.0	171768.0	1.610329	Y
4	IC 480-725605/19	25.0	38.991144	25.0	171630.0	1.559646	Y
5	IC 480-725605/20	25.0	38.849035	25.0	168463.0	1.553961	Y
6	IC 480-725605/47	25.0	40.369574	25.0	190760.0	1.614783	Y
7	IC 480-725605/48	25.0	40.097026	25.0	189279.0	1.603881	Y
8	IC 480-725605/49	25.0	40.846519	25.0	188401.0	1.633861	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

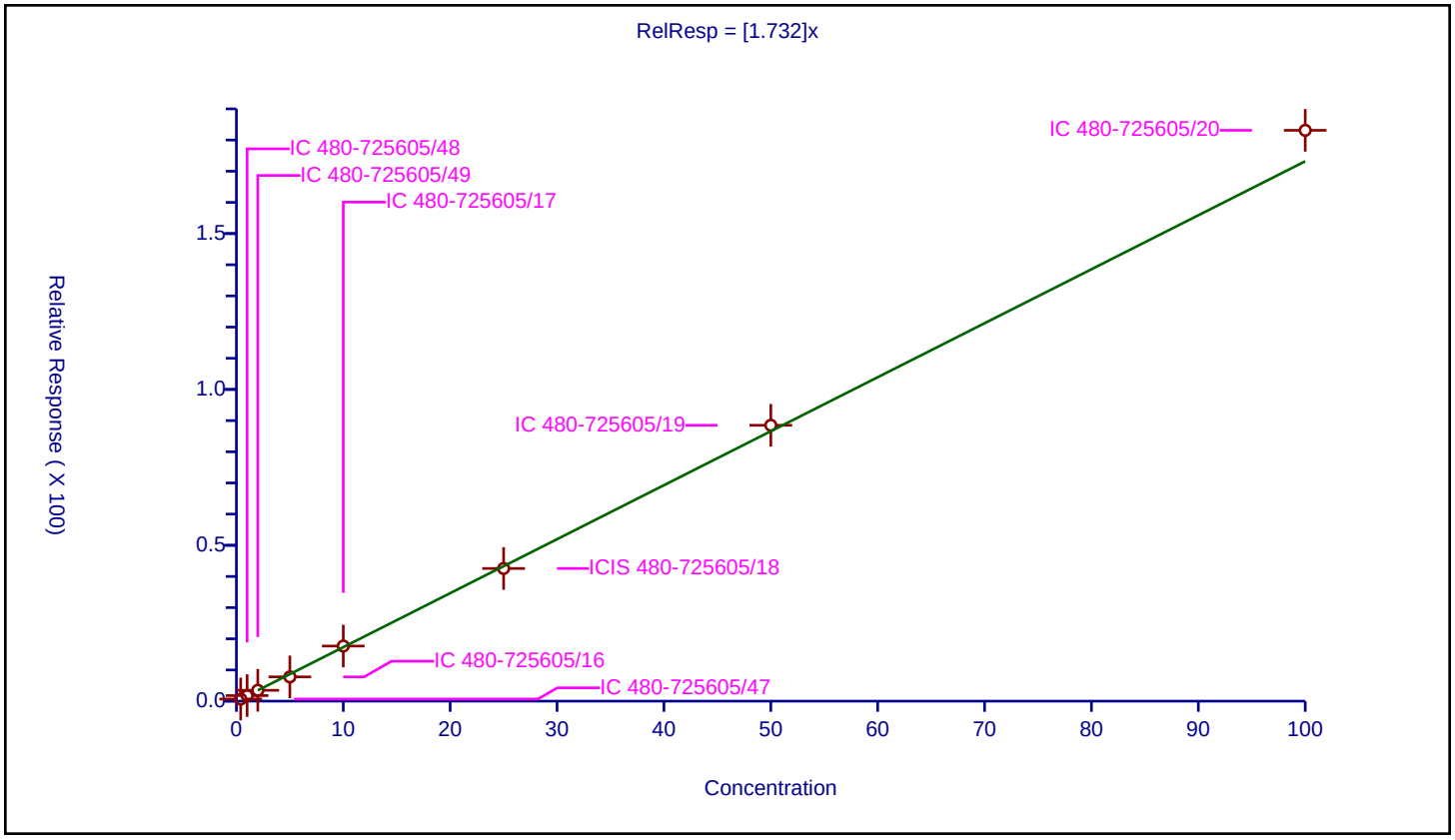
Curve Coefficients

Intercept:	0
Slope:	1.732

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.682271	25.0	190760.0	1.705677	Y
2	IC 480-725605/48	1.0	1.778327	25.0	189279.0	1.778327	Y
3	IC 480-725605/49	2.0	3.48565	25.0	188401.0	1.742825	Y
4	IC 480-725605/16	5.0	7.78479	25.0	179536.0	1.556958	Y
5	IC 480-725605/17	10.0	17.672837	25.0	175020.0	1.767284	Y
6	ICIS 480-725605/18	25.0	42.564389	25.0	171768.0	1.702576	Y
7	IC 480-725605/19	50.0	88.500554	25.0	171630.0	1.770011	Y
8	IC 480-725605/20	100.0	183.121516	25.0	168463.0	1.831215	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

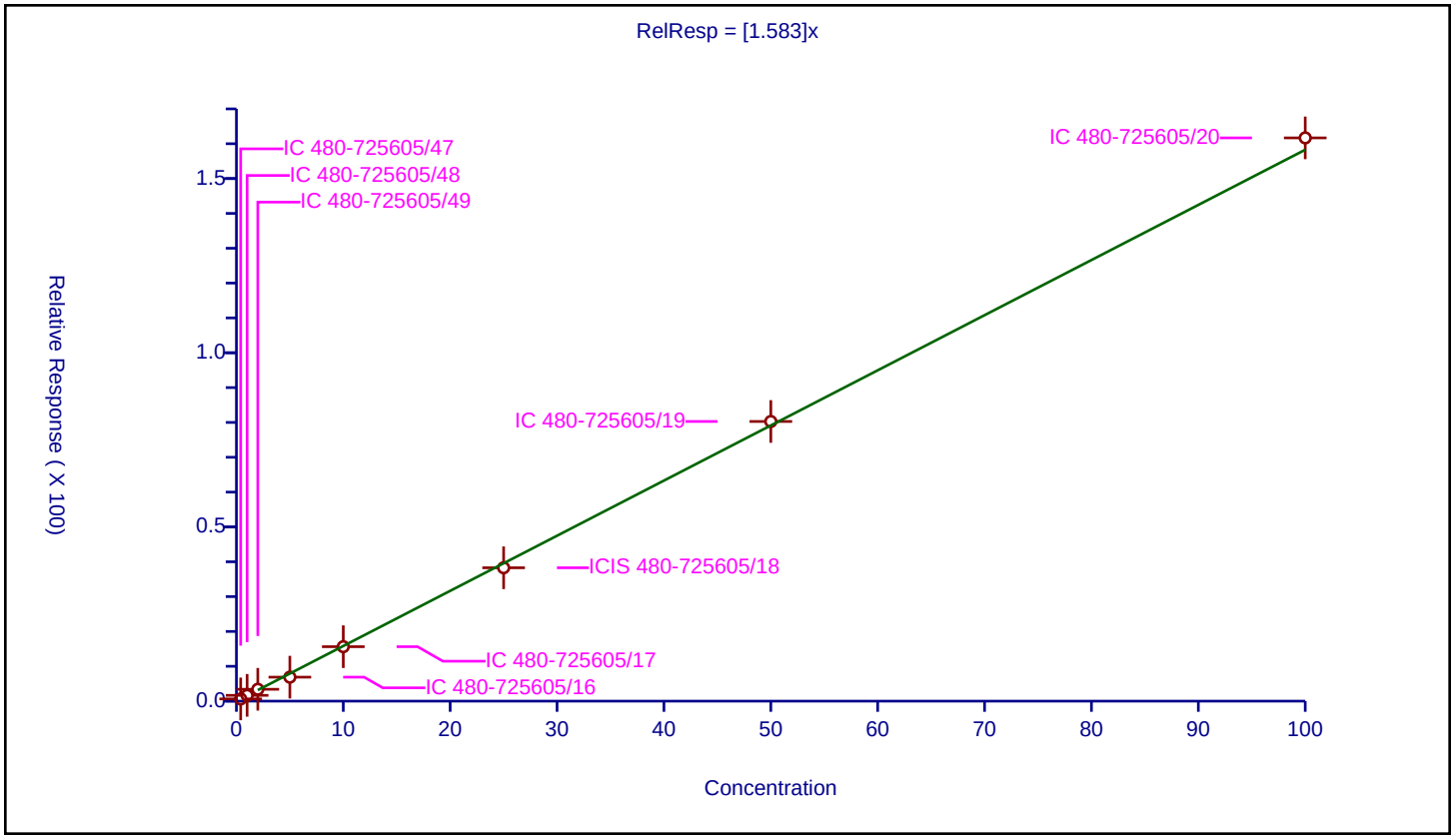
Curve Coefficients

Intercept:	0
Slope:	1.583

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.641382	25.0	190760.0	1.603455	Y
2	IC 480-725605/48	1.0	1.661833	25.0	189279.0	1.661833	Y
3	IC 480-725605/49	2.0	3.404042	25.0	188401.0	1.702021	Y
4	IC 480-725605/16	5.0	6.886502	25.0	179536.0	1.3773	Y
5	IC 480-725605/17	10.0	15.631071	25.0	175020.0	1.563107	Y
6	ICIS 480-725605/18	25.0	38.279103	25.0	171768.0	1.531164	Y
7	IC 480-725605/19	50.0	80.274282	25.0	171630.0	1.605486	Y
8	IC 480-725605/20	100.0	161.677193	25.0	168463.0	1.616772	Y



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Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

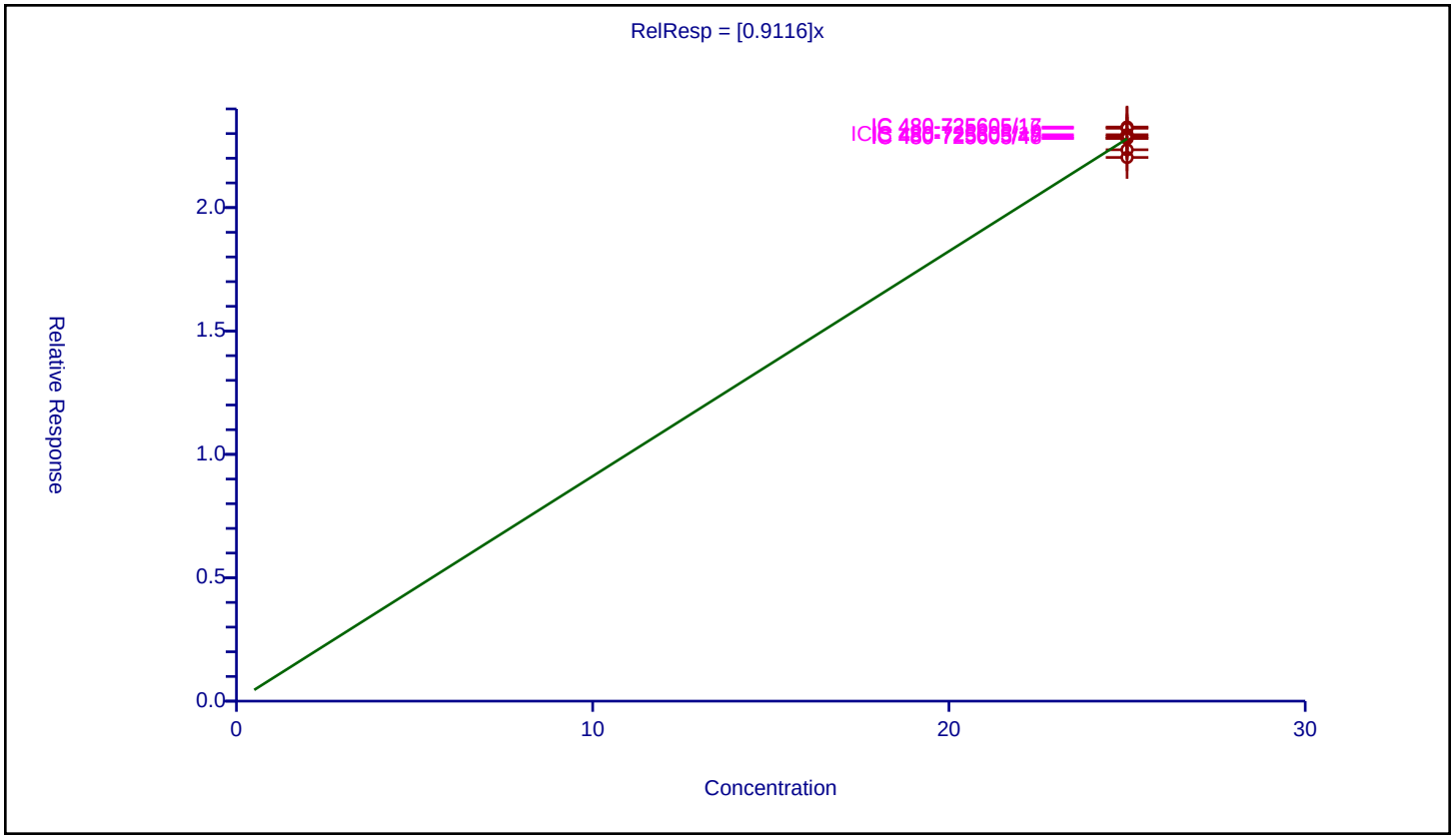
Curve Coefficients

Intercept:	0
Slope:	0.9116

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/16	25.0	23.215121	25.0	179536.0	0.928605	Y
2	IC 480-725605/17	25.0	23.264484	25.0	175020.0	0.930579	Y
3	ICIS 480-725605/18	25.0	22.953053	25.0	171768.0	0.918122	Y
4	IC 480-725605/19	25.0	22.344724	25.0	171630.0	0.893789	Y
5	IC 480-725605/20	25.0	22.032434	25.0	168463.0	0.881297	Y
6	IC 480-725605/47	25.0	22.80195	25.0	190760.0	0.912078	Y
7	IC 480-725605/48	25.0	22.813149	25.0	189279.0	0.912526	Y
8	IC 480-725605/49	25.0	22.886025	25.0	188401.0	0.915441	Y



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Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

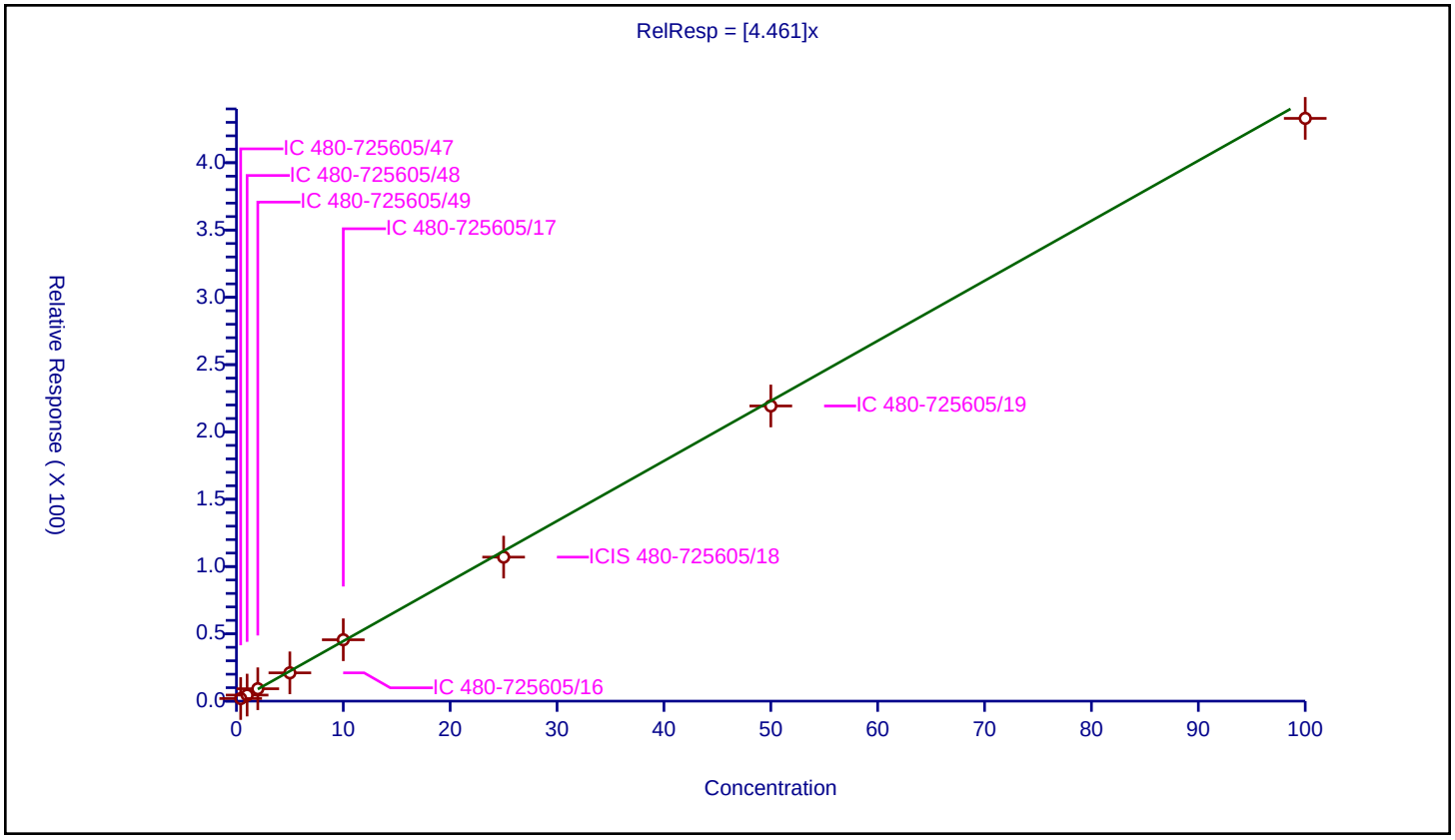
Curve Coefficients

Intercept:	0
Slope:	4.461

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.926636	25.0	190760.0	4.816589	Y
2	IC 480-725605/48	1.0	4.501556	25.0	189279.0	4.501556	Y
3	IC 480-725605/49	2.0	9.22036	25.0	188401.0	4.61018	Y
4	IC 480-725605/16	5.0	21.026145	25.0	179536.0	4.205229	Y
5	IC 480-725605/17	10.0	45.602931	25.0	175020.0	4.560293	Y
6	ICIS 480-725605/18	25.0	107.001595	25.0	171768.0	4.280064	Y
7	IC 480-725605/19	50.0	219.299074	25.0	171630.0	4.385981	Y
8	IC 480-725605/20	100.0	432.958869	25.0	168463.0	4.329589	Y



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Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

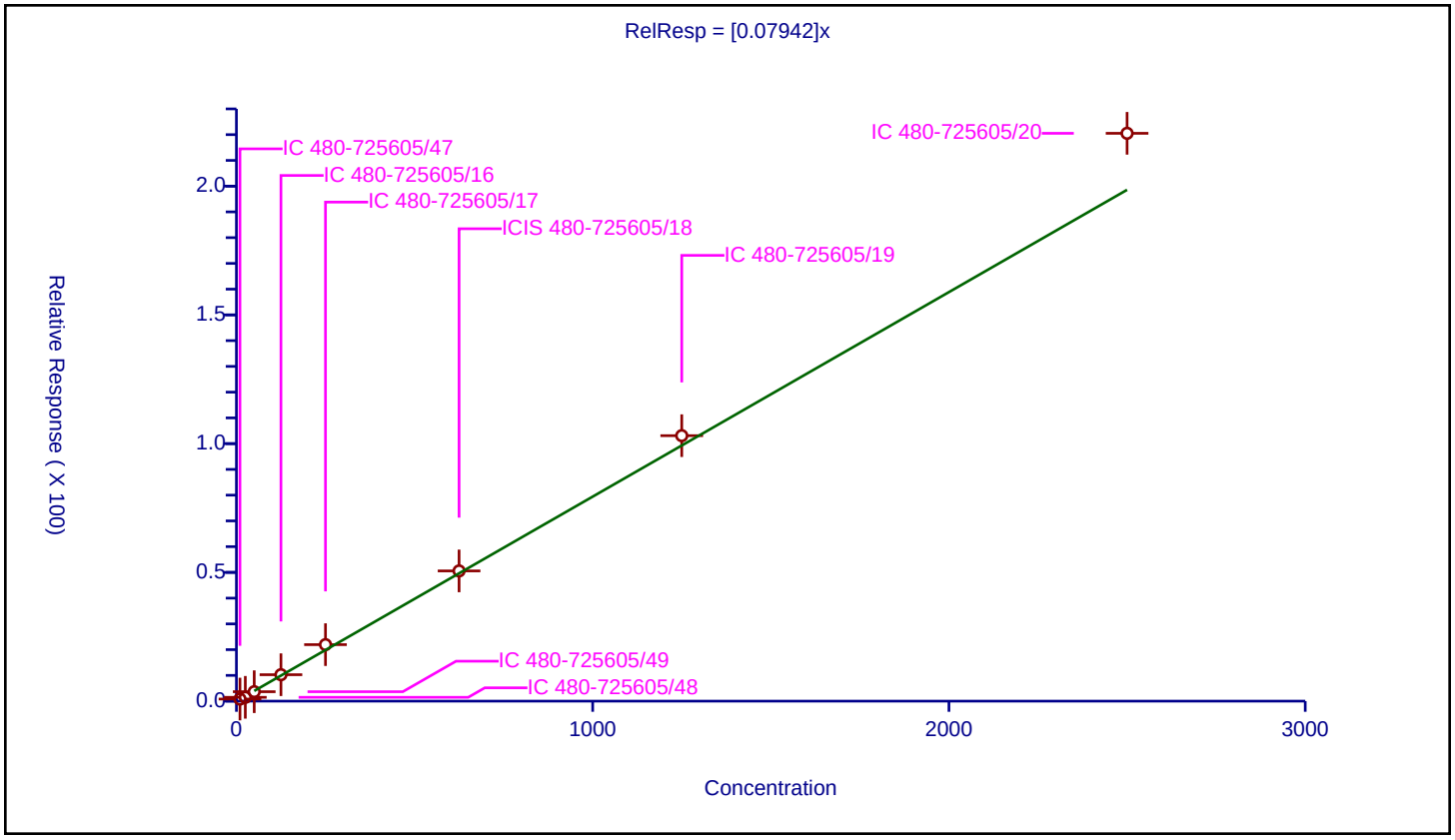
Curve Coefficients

Intercept:	0
Slope:	0.07942

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	10.0	0.811491	25.0	190760.0	0.081149	Y
2	IC 480-725605/48	25.0	1.483392	25.0	189279.0	0.059336	Y
3	IC 480-725605/49	50.0	3.671292	25.0	188401.0	0.073426	Y
4	IC 480-725605/16	125.0	10.266743	25.0	179536.0	0.082134	Y
5	IC 480-725605/17	250.0	21.938636	25.0	175020.0	0.087755	Y
6	ICIS 480-725605/18	625.0	50.572575	25.0	171768.0	0.080916	Y
7	IC 480-725605/19	1250.0	103.096632	25.0	171630.0	0.082477	Y
8	IC 480-725605/20	2500.0	220.517859	25.0	168463.0	0.088207	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

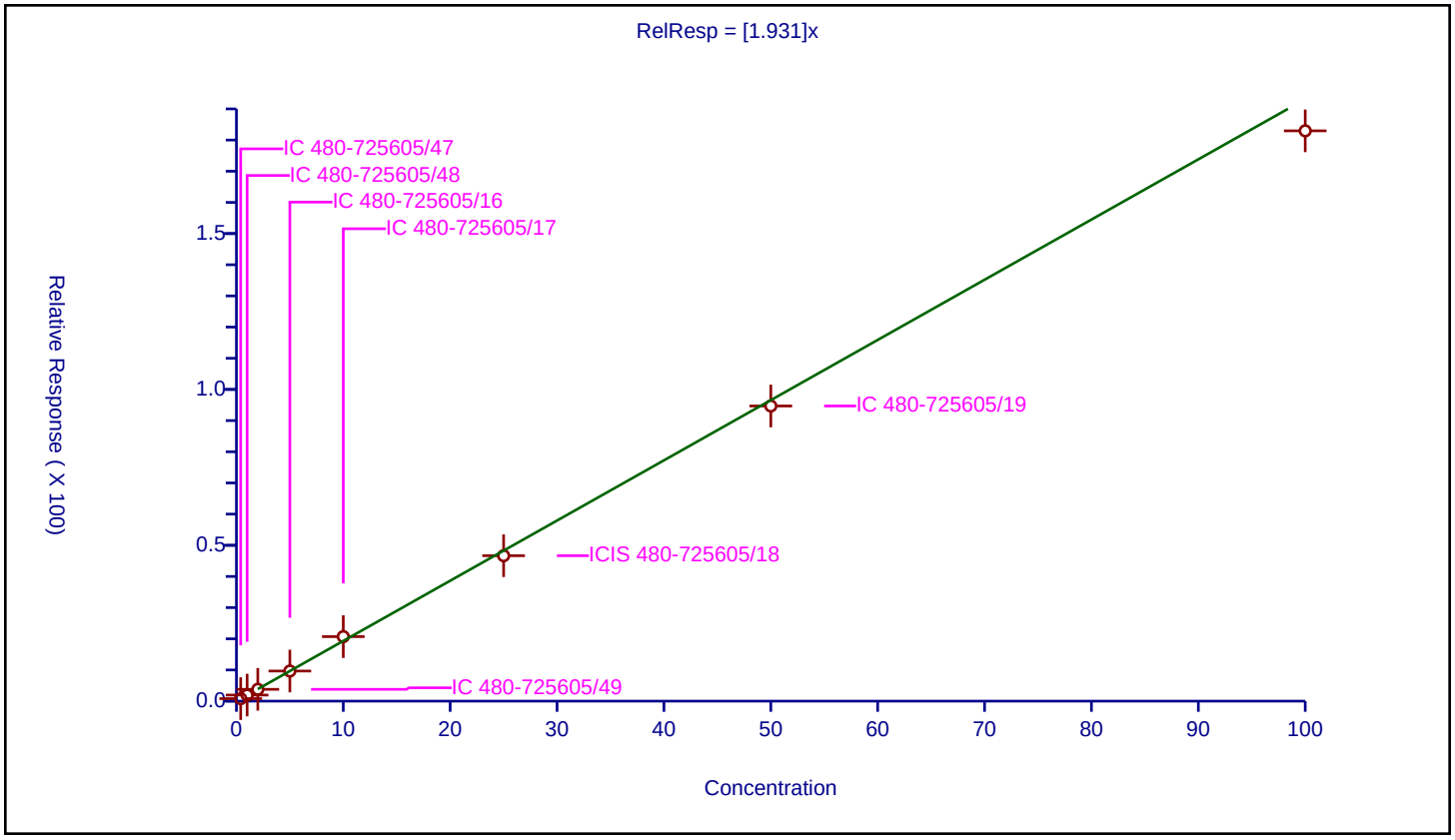
Curve Coefficients

Intercept:	0
Slope:	1.931

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.805987	25.0	190760.0	2.014966	Y
2	IC 480-725605/48	1.0	1.948975	25.0	189279.0	1.948975	Y
3	IC 480-725605/49	2.0	3.787666	25.0	188401.0	1.893833	Y
4	IC 480-725605/16	5.0	9.662965	25.0	179536.0	1.932593	Y
5	IC 480-725605/17	10.0	20.700063	25.0	175020.0	2.070006	Y
6	ICIS 480-725605/18	25.0	46.66134	25.0	171768.0	1.866454	Y
7	IC 480-725605/19	50.0	94.681728	25.0	171630.0	1.893635	Y
8	IC 480-725605/20	100.0	182.960947	25.0	168463.0	1.829609	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

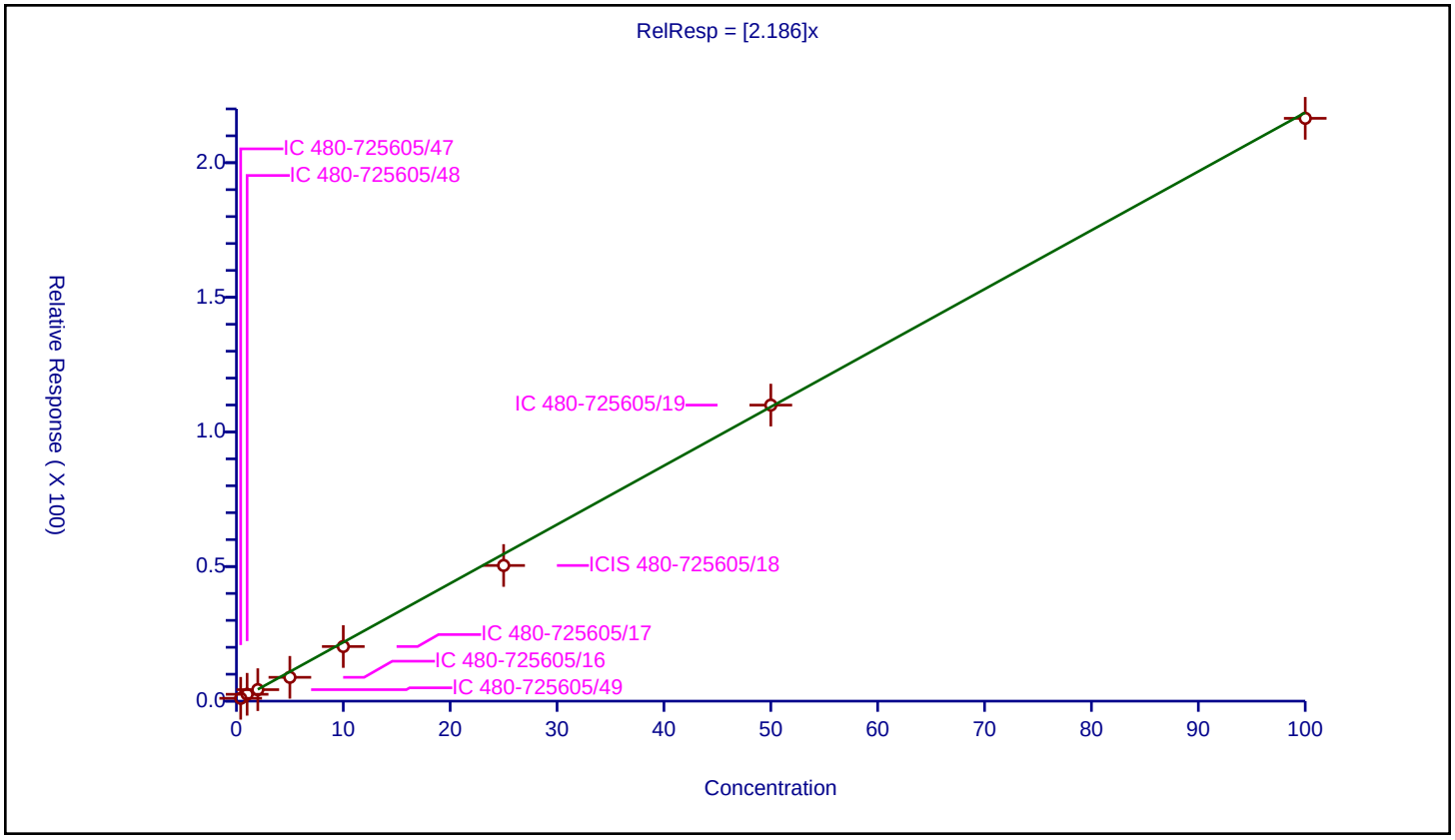
Curve Coefficients

Intercept:	0
Slope:	2.186

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.049748	25.0	190760.0	2.624371	Y
2	IC 480-725605/48	1.0	2.550732	25.0	189279.0	2.550732	Y
3	IC 480-725605/49	2.0	4.269749	25.0	188401.0	2.134875	Y
4	IC 480-725605/16	5.0	8.853795	25.0	179536.0	1.770759	Y
5	IC 480-725605/17	10.0	20.288396	25.0	175020.0	2.02884	Y
6	ICIS 480-725605/18	25.0	50.396319	25.0	171768.0	2.015853	Y
7	IC 480-725605/19	50.0	109.977277	25.0	171630.0	2.199546	Y
8	IC 480-725605/20	100.0	216.502288	25.0	168463.0	2.165023	Y



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Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

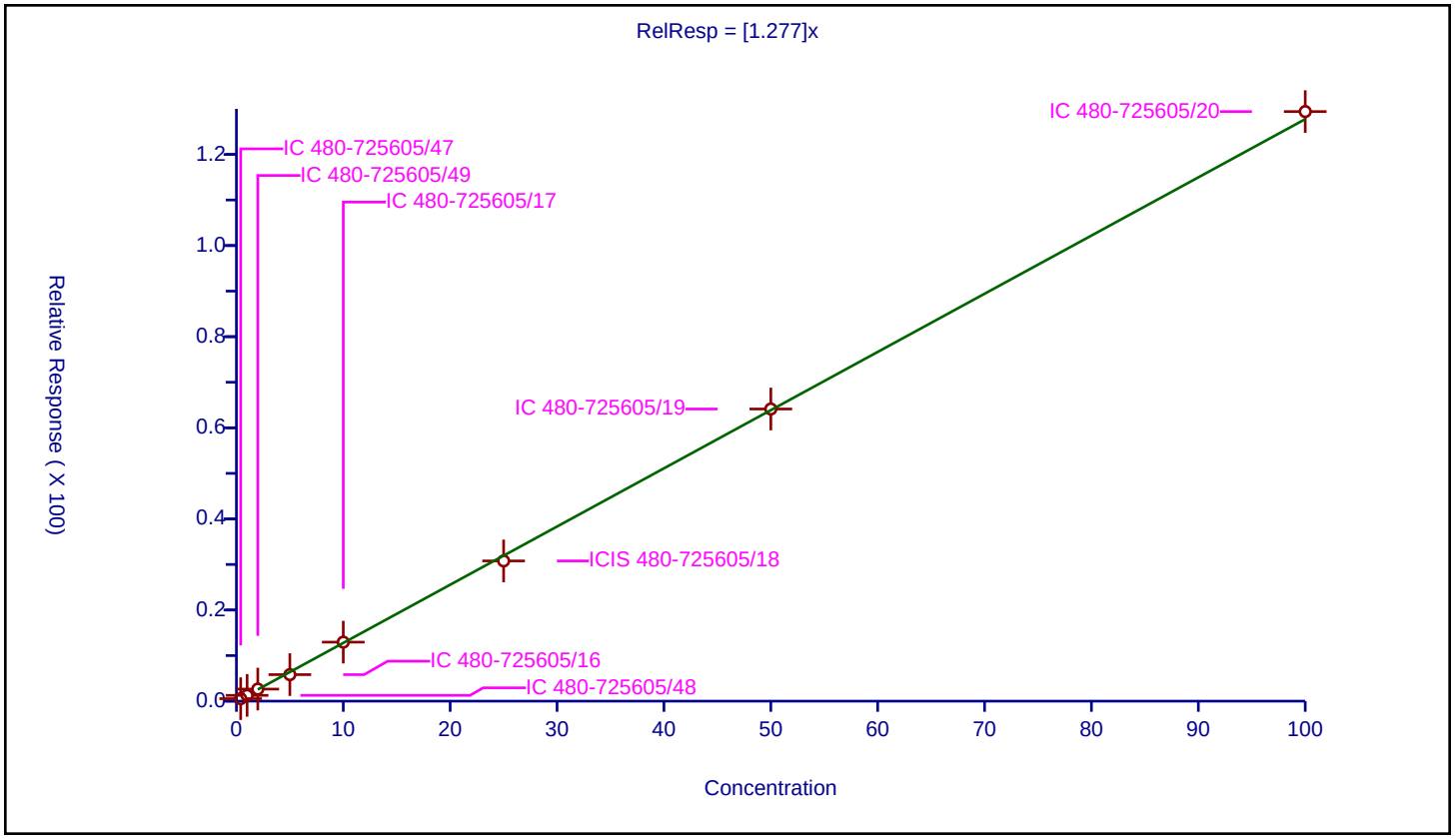
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.544663	25.0	190760.0	1.361659	Y
2	IC 480-725605/48	1.0	1.266781	25.0	189279.0	1.266781	Y
3	IC 480-725605/49	2.0	2.64781	25.0	188401.0	1.323905	Y
4	IC 480-725605/16	5.0	5.819724	25.0	179536.0	1.163945	Y
5	IC 480-725605/17	10.0	12.953948	25.0	175020.0	1.295395	Y
6	ICIS 480-725605/18	25.0	30.779744	25.0	171768.0	1.23119	Y
7	IC 480-725605/19	50.0	64.125153	25.0	171630.0	1.282503	Y
8	IC 480-725605/20	100.0	129.4118	25.0	168463.0	1.294118	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

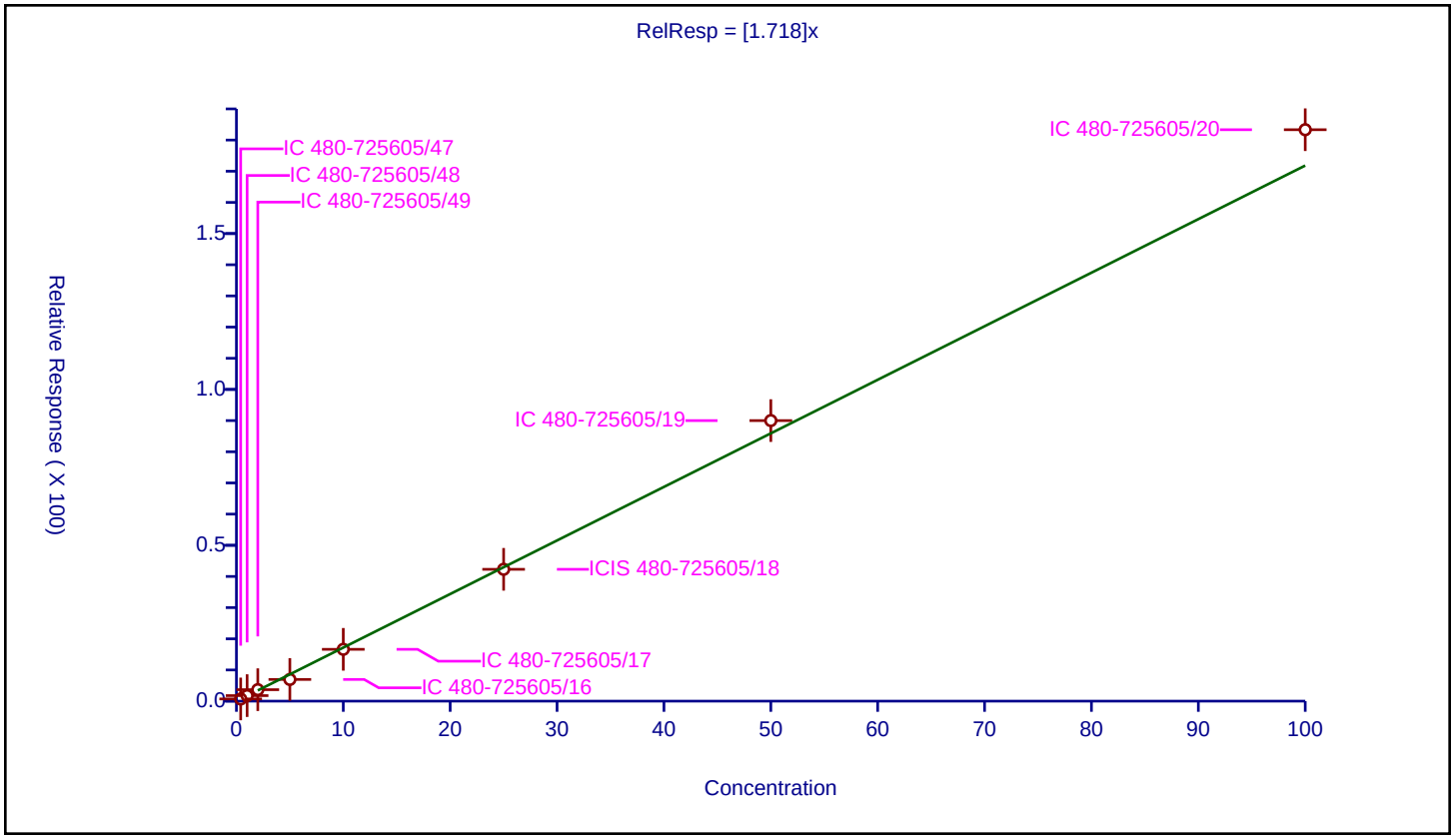
Curve Coefficients

Intercept:	0
Slope:	1.718

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.702191	25.0	190760.0	1.755478	Y
2	IC 480-725605/48	1.0	1.770535	25.0	189279.0	1.770535	Y
3	IC 480-725605/49	2.0	3.679917	25.0	188401.0	1.839958	Y
4	IC 480-725605/16	5.0	6.959189	25.0	179536.0	1.391838	Y
5	IC 480-725605/17	10.0	16.625386	25.0	175020.0	1.662539	Y
6	ICIS 480-725605/18	25.0	42.292656	25.0	171768.0	1.691706	Y
7	IC 480-725605/19	50.0	90.002331	25.0	171630.0	1.800047	Y
8	IC 480-725605/20	100.0	183.320521	25.0	168463.0	1.833205	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

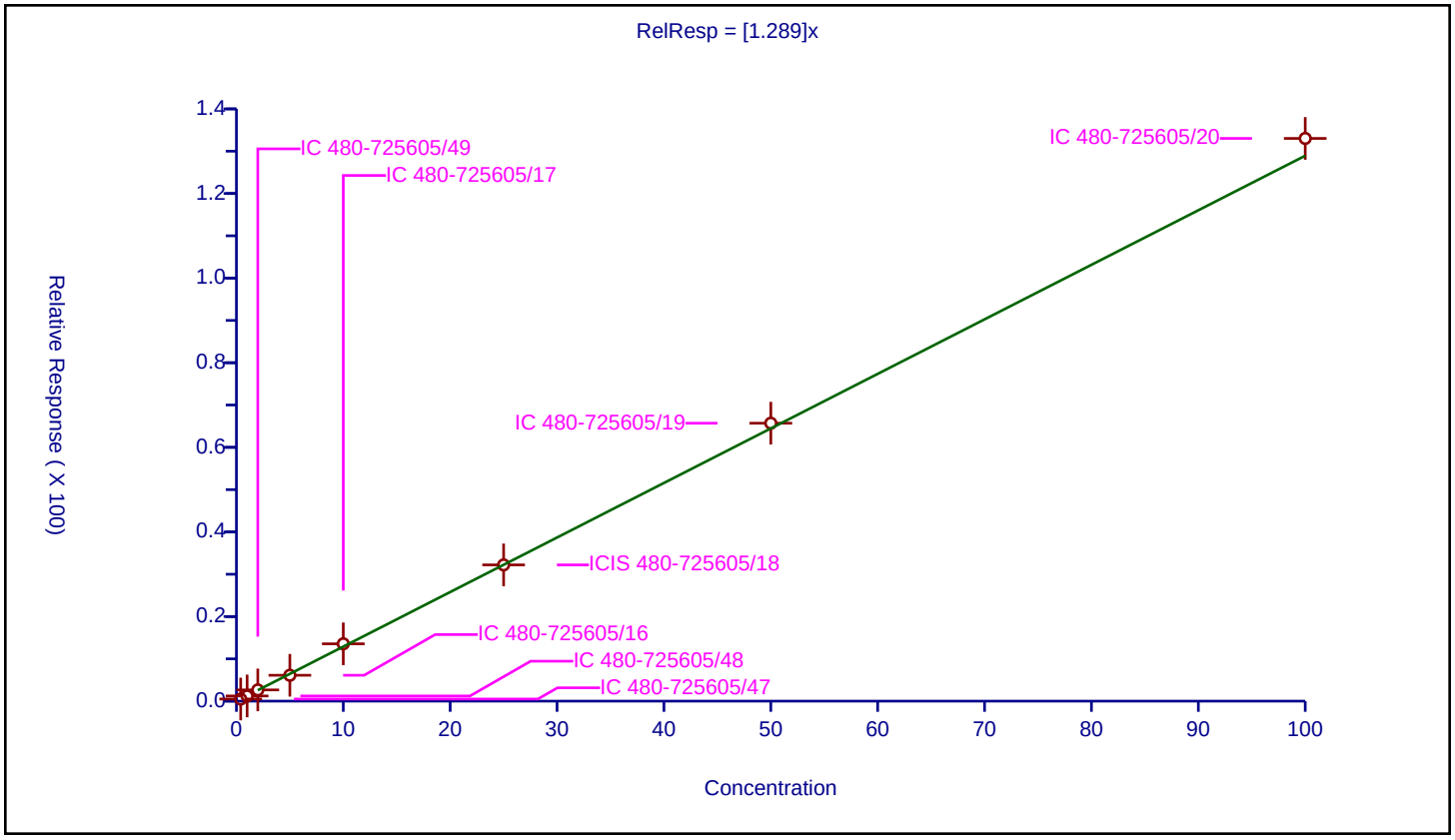
Curve Coefficients

Intercept:	0
Slope:	1.289

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.501153	25.0	190760.0	1.252883	Y
2	IC 480-725605/48	1.0	1.225308	25.0	189279.0	1.225308	Y
3	IC 480-725605/49	2.0	2.651127	25.0	188401.0	1.325564	Y
4	IC 480-725605/16	5.0	6.114233	25.0	179536.0	1.222847	Y
5	IC 480-725605/17	10.0	13.552308	25.0	175020.0	1.355231	Y
6	ICIS 480-725605/18	25.0	32.205504	25.0	171768.0	1.28822	Y
7	IC 480-725605/19	50.0	65.699761	25.0	171630.0	1.313995	Y
8	IC 480-725605/20	100.0	133.017042	25.0	168463.0	1.33017	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

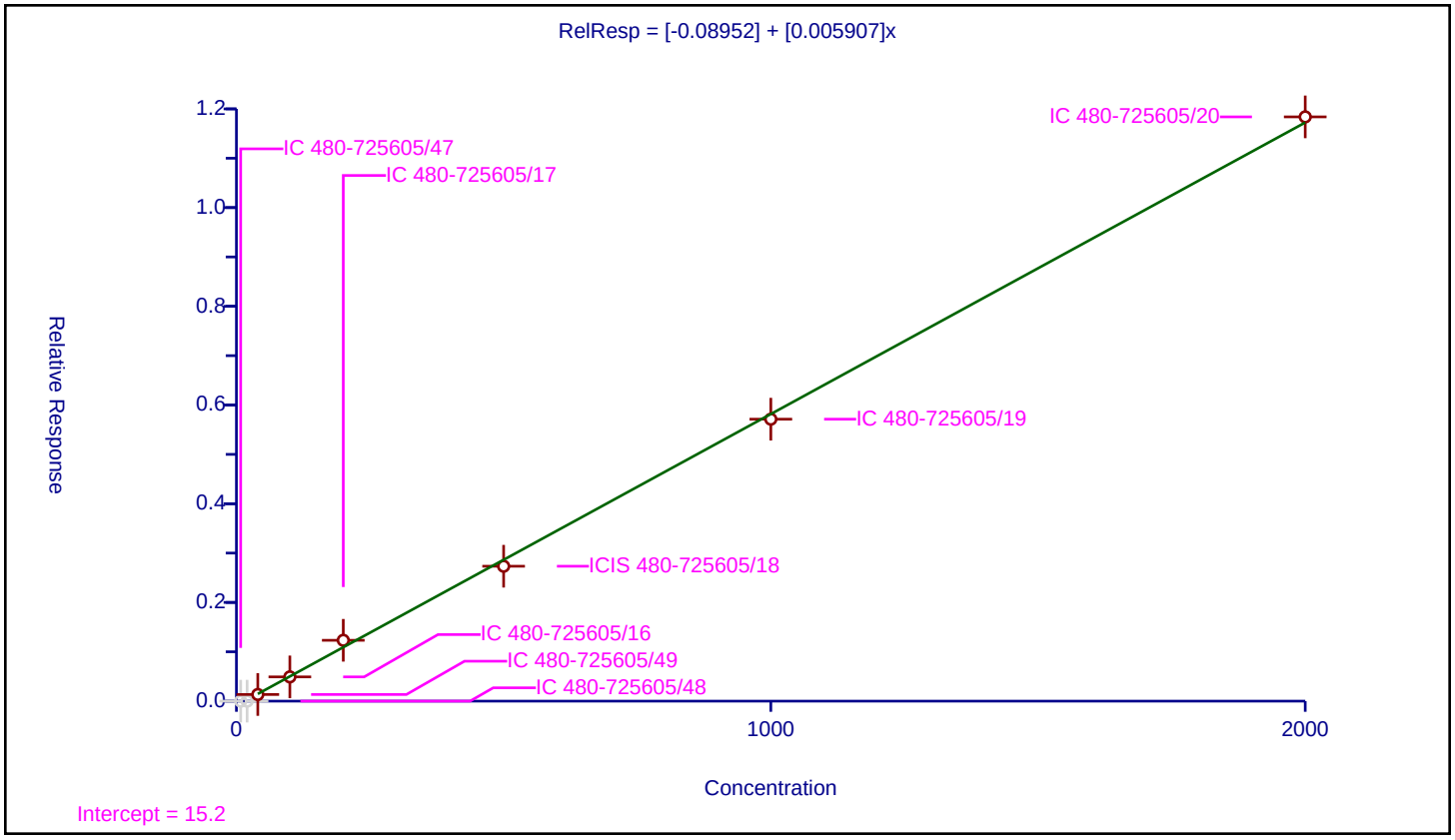
Curve Coefficients

Intercept:	-0.08952
Slope:	0.005907

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	8.0	0.0	25.0	375819.0	0.0	N
2	IC 480-725605/48	20.0	0.0	25.0	371339.0	0.0	N
3	IC 480-725605/49	40.0	0.134583	25.0	366687.0	0.003365	Y
4	IC 480-725605/16	100.0	0.491561	25.0	347617.0	0.004916	Y
5	IC 480-725605/17	200.0	1.23308	25.0	339171.0	0.006165	Y
6	ICIS 480-725605/18	500.0	2.733799	25.0	336464.0	0.005468	Y
7	IC 480-725605/19	1000.0	5.713109	25.0	341666.0	0.005713	Y
8	IC 480-725605/20	2000.0	11.837864	25.0	346247.0	0.005919	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

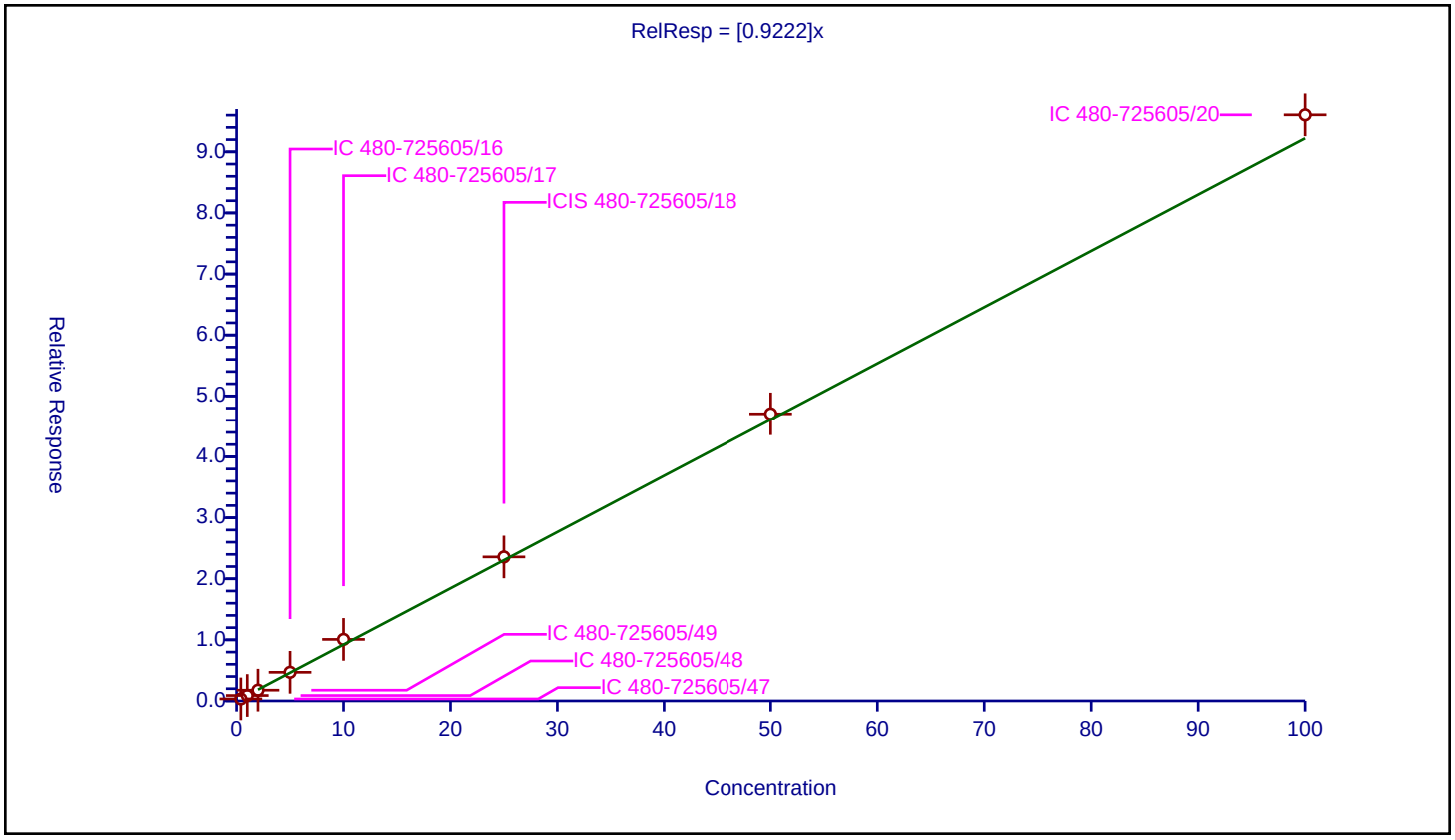
Curve Coefficients

Intercept:	0
Slope:	0.9222

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.32803	25.0	190760.0	0.820075	Y
2	IC 480-725605/48	1.0	0.888239	25.0	189279.0	0.888239	Y
3	IC 480-725605/49	2.0	1.758085	25.0	188401.0	0.879043	Y
4	IC 480-725605/16	5.0	4.688475	25.0	179536.0	0.937695	Y
5	IC 480-725605/17	10.0	10.072706	25.0	175020.0	1.007271	Y
6	ICIS 480-725605/18	25.0	23.581808	25.0	171768.0	0.943272	Y
7	IC 480-725605/19	50.0	47.065344	25.0	171630.0	0.941307	Y
8	IC 480-725605/20	100.0	96.051507	25.0	168463.0	0.960515	Y



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Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

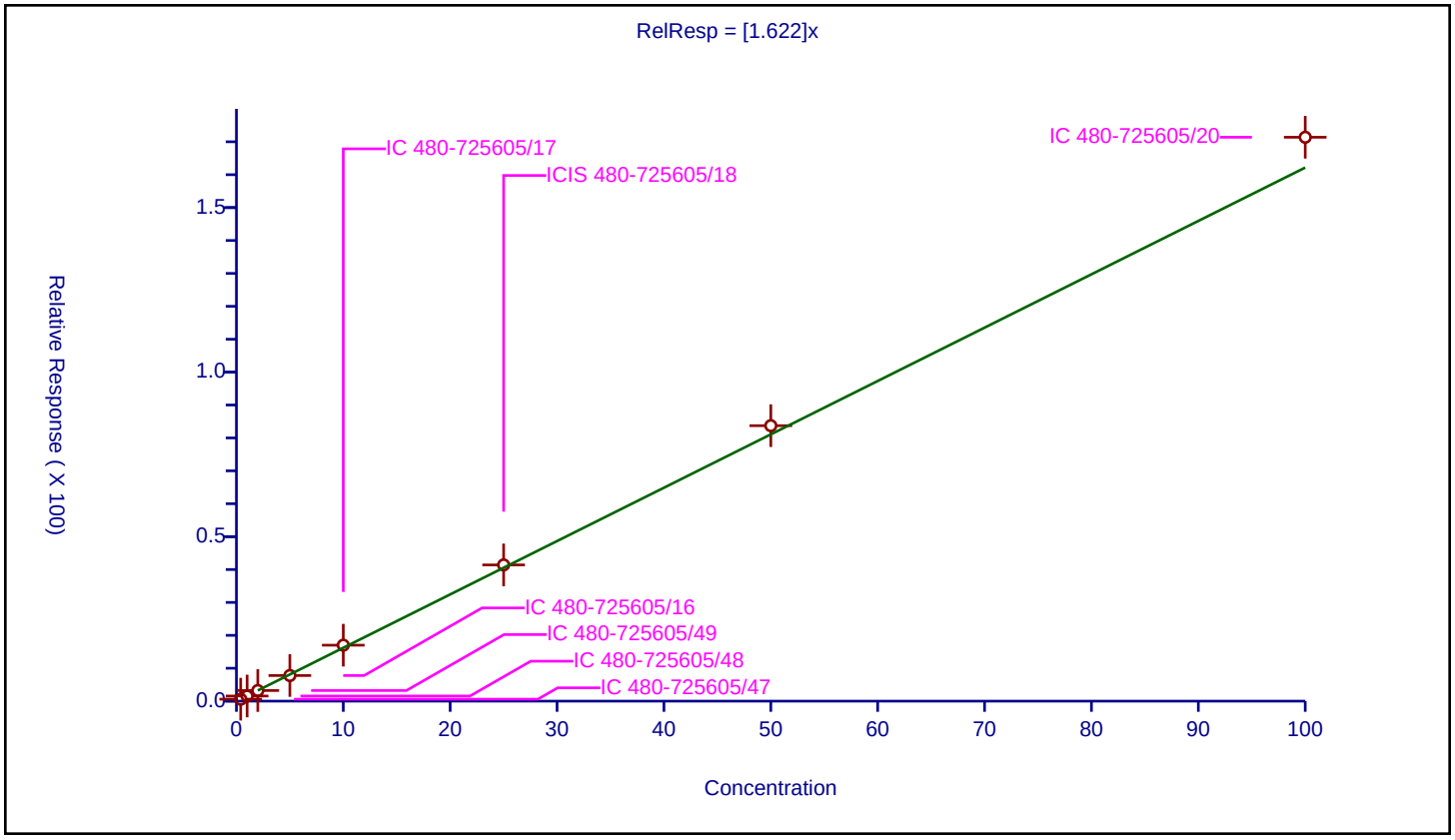
Curve Coefficients

Intercept:	0
Slope:	1.622

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.59892	25.0	190760.0	1.4973	Y
2	IC 480-725605/48	1.0	1.56132	25.0	189279.0	1.56132	Y
3	IC 480-725605/49	2.0	3.225169	25.0	188401.0	1.612584	Y
4	IC 480-725605/16	5.0	7.783536	25.0	179536.0	1.556707	Y
5	IC 480-725605/17	10.0	17.002914	25.0	175020.0	1.700291	Y
6	ICIS 480-725605/18	25.0	41.403084	25.0	171768.0	1.656123	Y
7	IC 480-725605/19	50.0	83.722834	25.0	171630.0	1.674457	Y
8	IC 480-725605/20	100.0	171.379324	25.0	168463.0	1.713793	Y



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Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

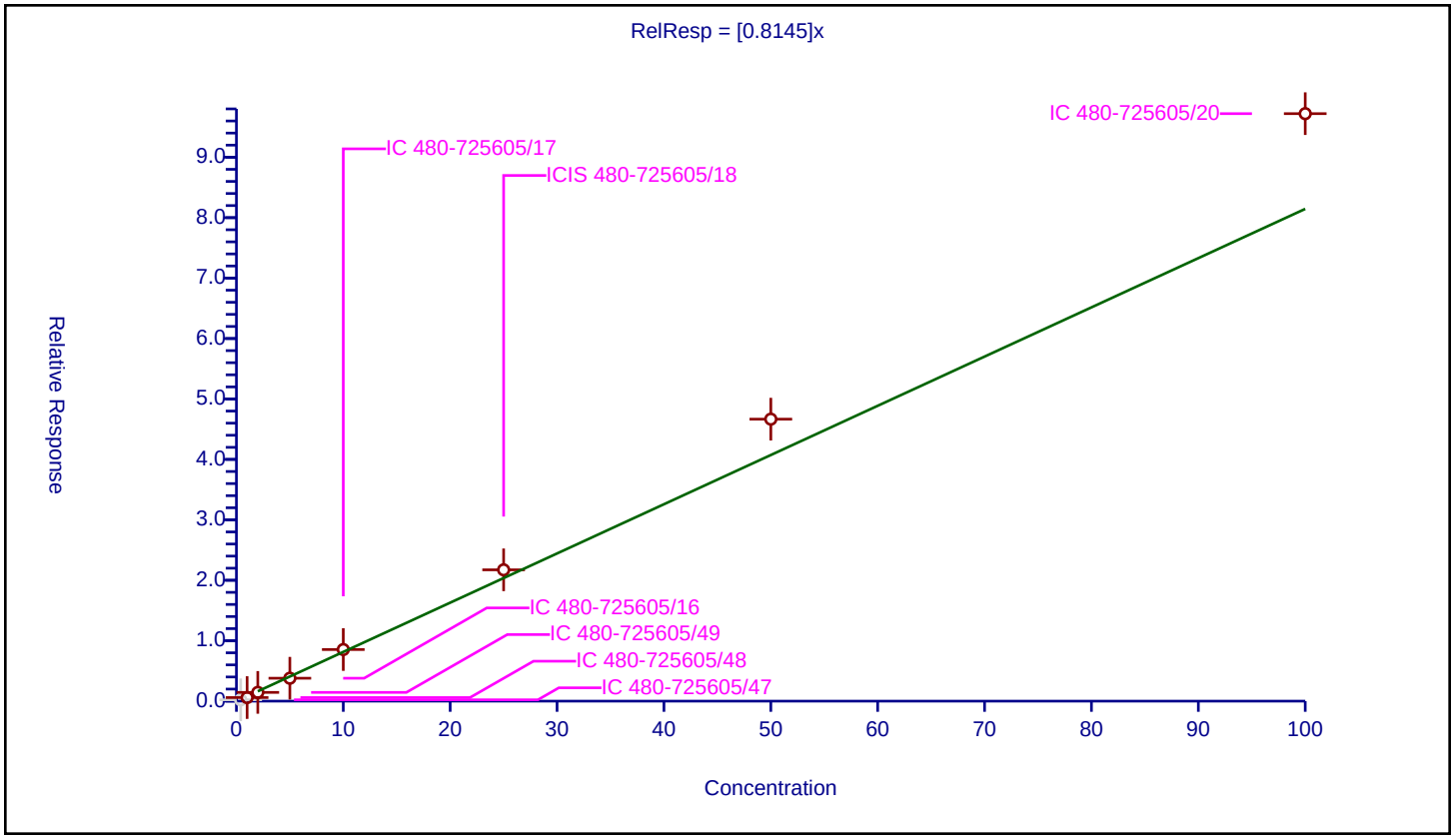
Curve Coefficients

Intercept:	0
Slope:	0.8145

Error Coefficients

Relative Standard Deviation:	16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.221482	25.0	190760.0	0.553706	N
2	IC 480-725605/48	1.0	0.591587	25.0	189279.0	0.591587	Y
3	IC 480-725605/49	2.0	1.44572	25.0	188401.0	0.72286	Y
4	IC 480-725605/16	5.0	3.79325	25.0	179536.0	0.75865	Y
5	IC 480-725605/17	10.0	8.537881	25.0	175020.0	0.853788	Y
6	ICIS 480-725605/18	25.0	21.7296	25.0	171768.0	0.869184	Y
7	IC 480-725605/19	50.0	46.662005	25.0	171630.0	0.93324	Y
8	IC 480-725605/20	100.0	97.212296	25.0	168463.0	0.972123	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

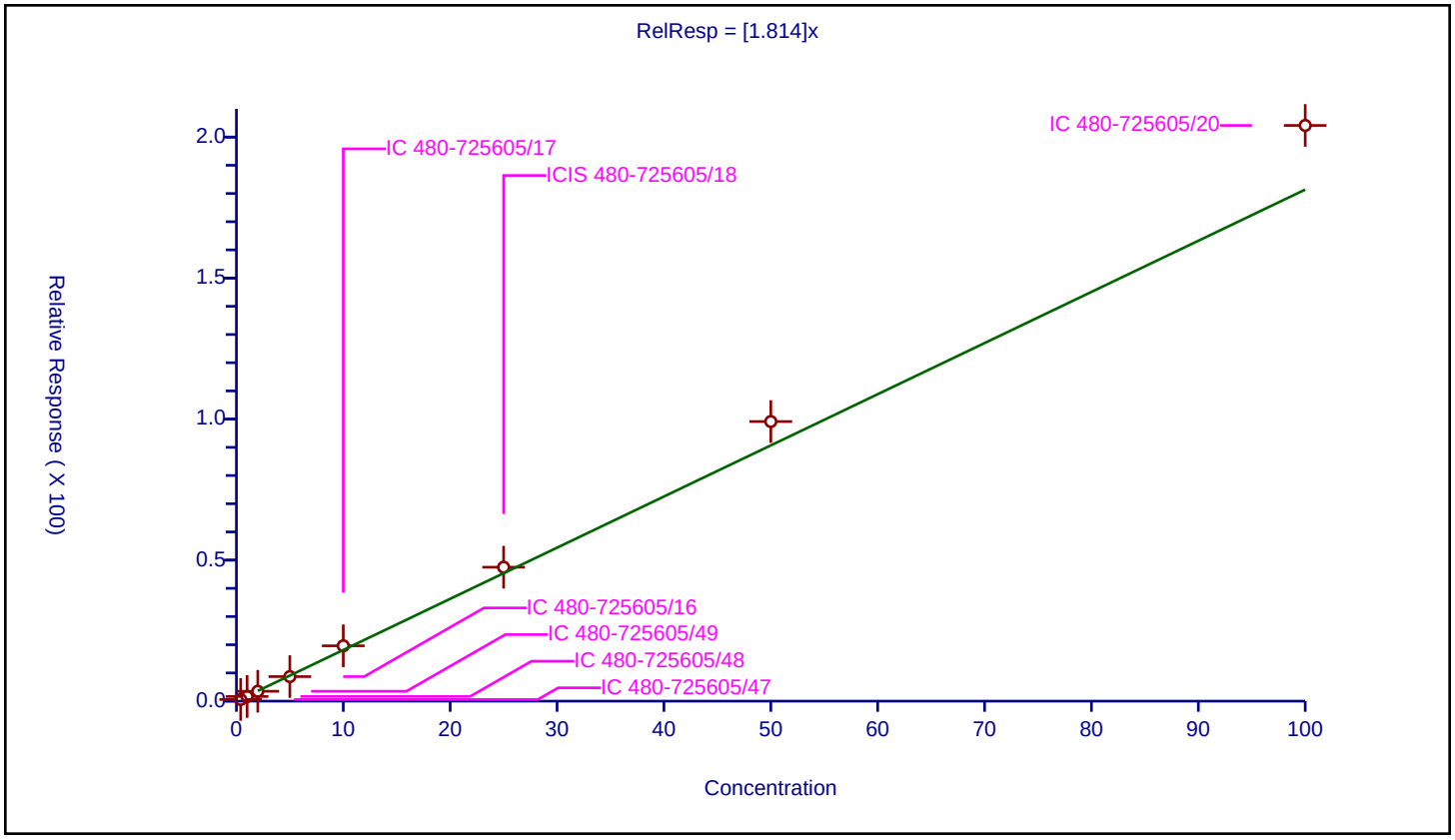
Curve Coefficients

Intercept:	0
Slope:	1.814

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.59394	25.0	190760.0	1.48485	Y
2	IC 480-725605/48	1.0	1.648492	25.0	189279.0	1.648492	Y
3	IC 480-725605/49	2.0	3.50091	25.0	188401.0	1.750455	Y
4	IC 480-725605/16	5.0	8.705079	25.0	179536.0	1.741016	Y
5	IC 480-725605/17	10.0	19.615615	25.0	175020.0	1.961562	Y
6	ICIS 480-725605/18	25.0	47.485271	25.0	171768.0	1.899411	Y
7	IC 480-725605/19	50.0	99.140156	25.0	171630.0	1.982803	Y
8	IC 480-725605/20	100.0	204.129245	25.0	168463.0	2.041292	Y



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Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

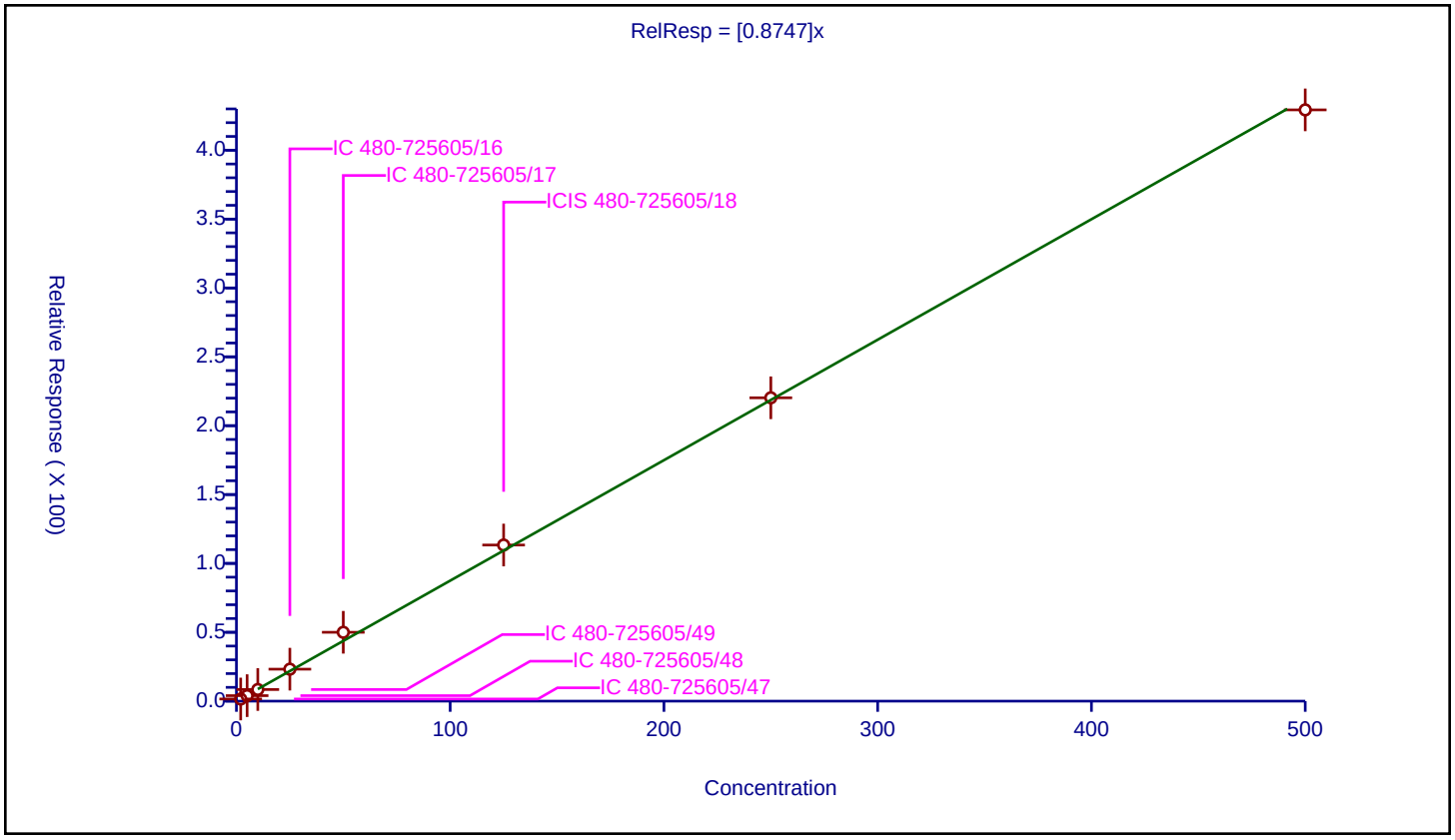
Curve Coefficients

Intercept:	0
Slope:	0.8747

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	2.0	1.559527	25.0	375819.0	0.779764	Y
2	IC 480-725605/48	5.0	3.992578	25.0	371339.0	0.798516	Y
3	IC 480-725605/49	10.0	8.442009	25.0	366687.0	0.844201	Y
4	IC 480-725605/16	25.0	23.218442	25.0	347617.0	0.928738	Y
5	IC 480-725605/17	50.0	49.993661	25.0	339171.0	0.999873	Y
6	ICIS 480-725605/18	125.0	113.355366	25.0	336464.0	0.906843	Y
7	IC 480-725605/19	250.0	220.254576	25.0	341666.0	0.881018	Y
8	IC 480-725605/20	500.0	429.275127	25.0	346247.0	0.85855	Y



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Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

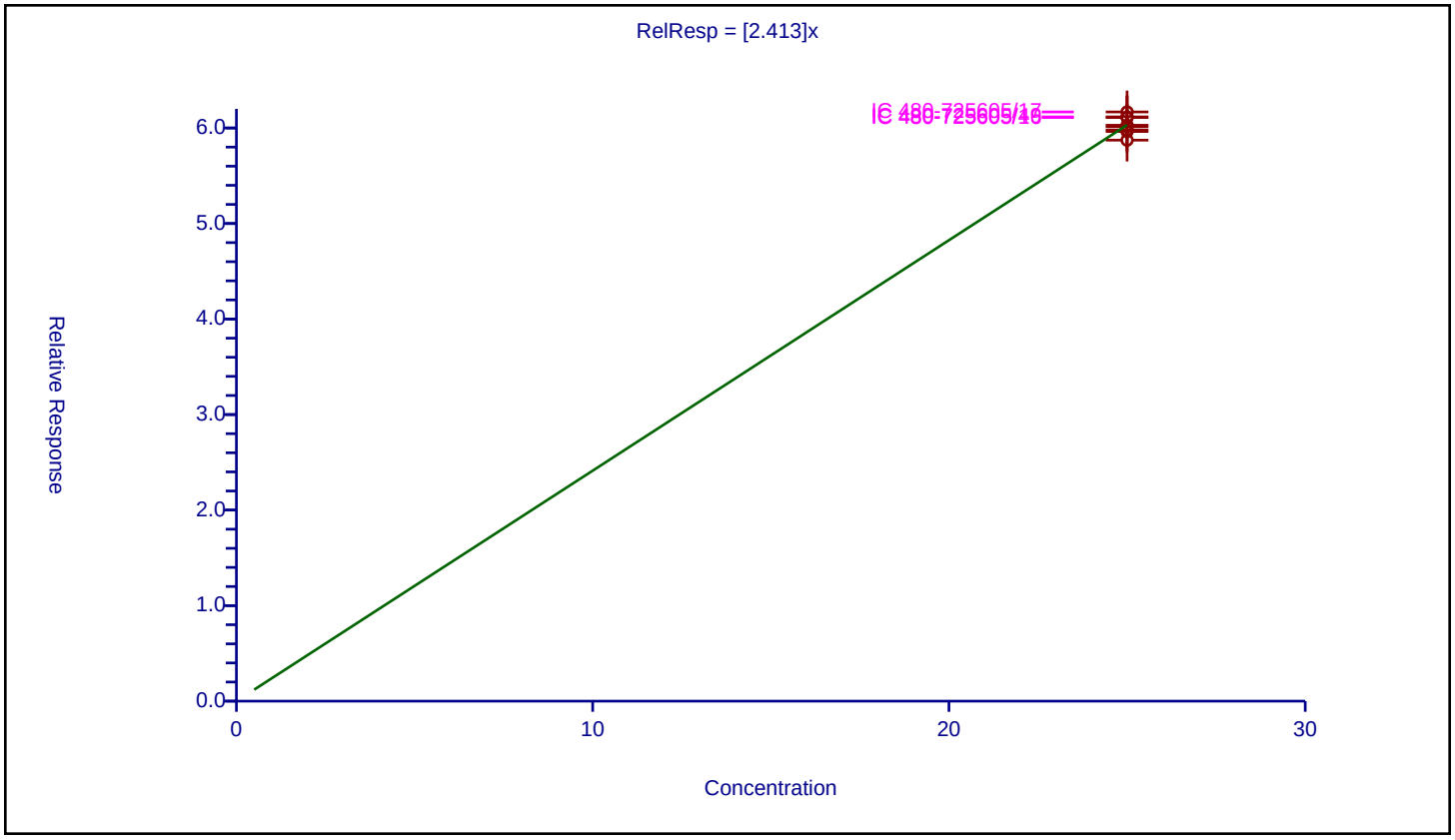
Curve Coefficients

Intercept:	0
Slope:	2.413

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/16	25.0	61.093891	25.0	347617.0	2.443756	Y
2	IC 480-725605/17	25.0	61.678401	25.0	339171.0	2.467136	Y
3	ICIS 480-725605/18	25.0	60.143284	25.0	336464.0	2.405731	Y
4	IC 480-725605/19	25.0	60.285923	25.0	341666.0	2.411437	Y
5	IC 480-725605/20	25.0	58.727007	25.0	346247.0	2.34908	Y
6	IC 480-725605/47	25.0	59.633427	25.0	375819.0	2.385337	Y
7	IC 480-725605/48	25.0	59.791727	25.0	371339.0	2.391669	Y
8	IC 480-725605/49	25.0	61.163063	25.0	366687.0	2.446523	Y



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Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

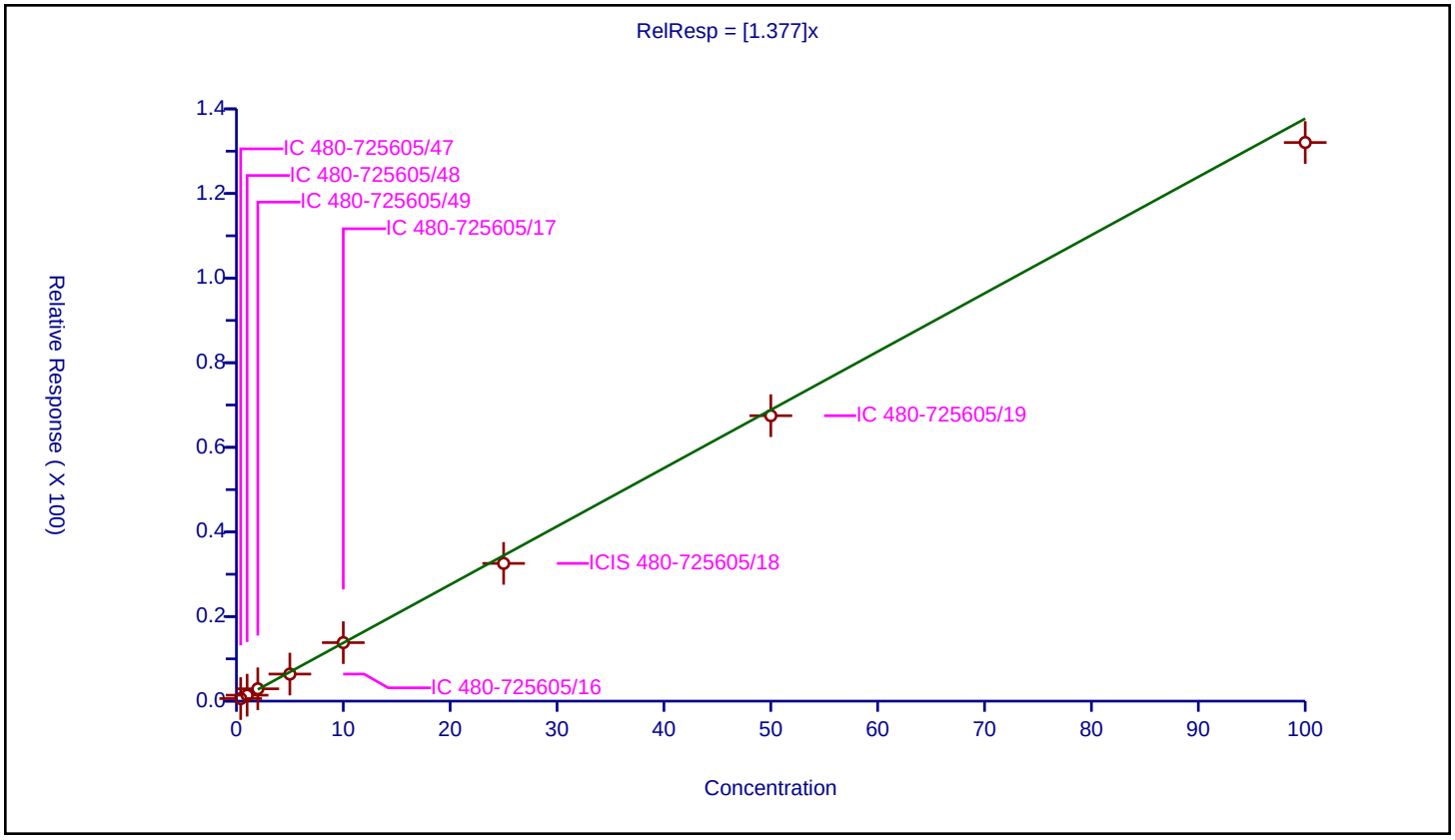
Curve Coefficients

Intercept:	0
Slope:	1.377

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.605943	25.0	375819.0	1.514858	Y
2	IC 480-725605/48	1.0	1.408013	25.0	371339.0	1.408013	Y
3	IC 480-725605/49	2.0	2.91577	25.0	366687.0	1.457885	Y
4	IC 480-725605/16	5.0	6.400075	25.0	347617.0	1.280015	Y
5	IC 480-725605/17	10.0	13.832108	25.0	339171.0	1.383211	Y
6	ICIS 480-725605/18	25.0	32.55638	25.0	336464.0	1.302255	Y
7	IC 480-725605/19	50.0	67.473717	25.0	341666.0	1.349474	Y
8	IC 480-725605/20	100.0	132.053635	25.0	346247.0	1.320536	Y



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Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

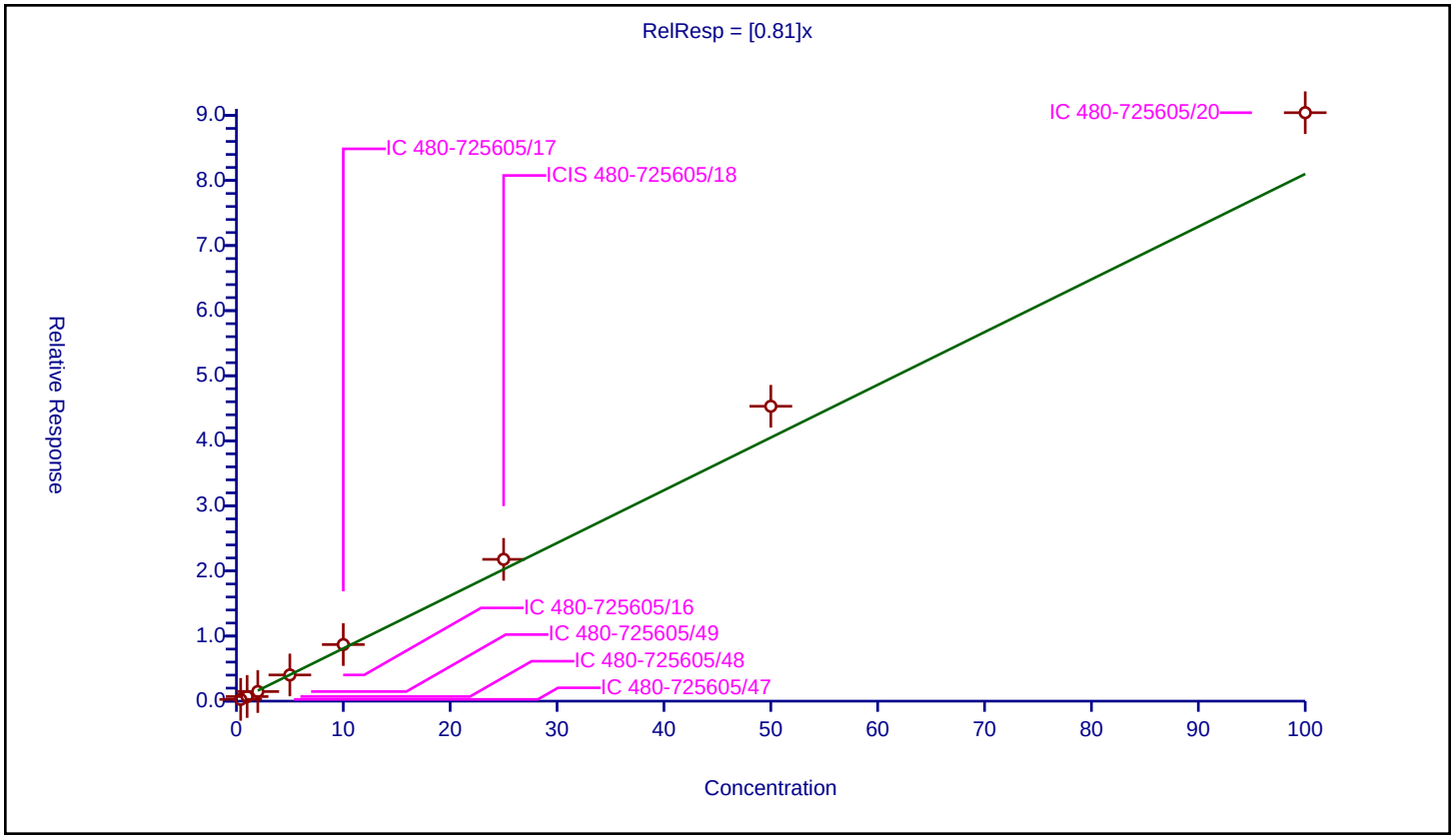
Curve Coefficients

Intercept:	0
Slope:	0.81

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.271806	25.0	375819.0	0.679516	Y
2	IC 480-725605/48	1.0	0.706093	25.0	371339.0	0.706093	Y
3	IC 480-725605/49	2.0	1.4766	25.0	366687.0	0.7383	Y
4	IC 480-725605/16	5.0	4.025192	25.0	347617.0	0.805038	Y
5	IC 480-725605/17	10.0	8.693402	25.0	339171.0	0.86934	Y
6	ICIS 480-725605/18	25.0	21.786135	25.0	336464.0	0.871445	Y
7	IC 480-725605/19	50.0	45.30704	25.0	341666.0	0.906141	Y
8	IC 480-725605/20	100.0	90.415801	25.0	346247.0	0.904158	Y



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Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

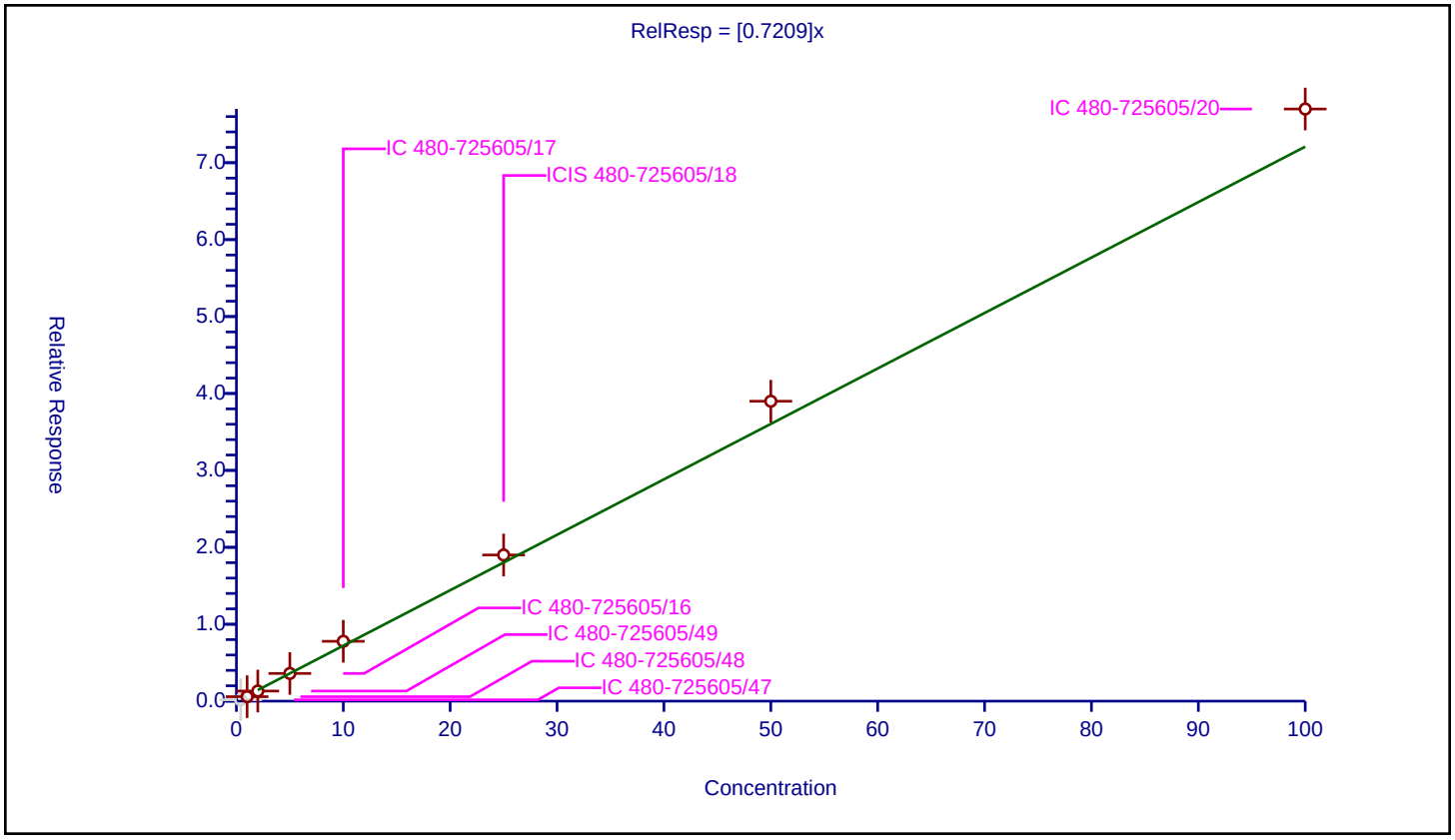
Curve Coefficients

Intercept:	0
Slope:	0.7209

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.173887	25.0	375819.0	0.434717	N
2	IC 480-725605/48	1.0	0.581342	25.0	371339.0	0.581342	Y
3	IC 480-725605/49	2.0	1.3142	25.0	366687.0	0.6571	Y
4	IC 480-725605/16	5.0	3.600155	25.0	347617.0	0.720031	Y
5	IC 480-725605/17	10.0	7.777493	25.0	339171.0	0.777749	Y
6	ICIS 480-725605/18	25.0	19.003445	25.0	336464.0	0.760138	Y
7	IC 480-725605/19	50.0	38.992539	25.0	341666.0	0.779851	Y
8	IC 480-725605/20	100.0	76.984133	25.0	346247.0	0.769841	Y



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Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

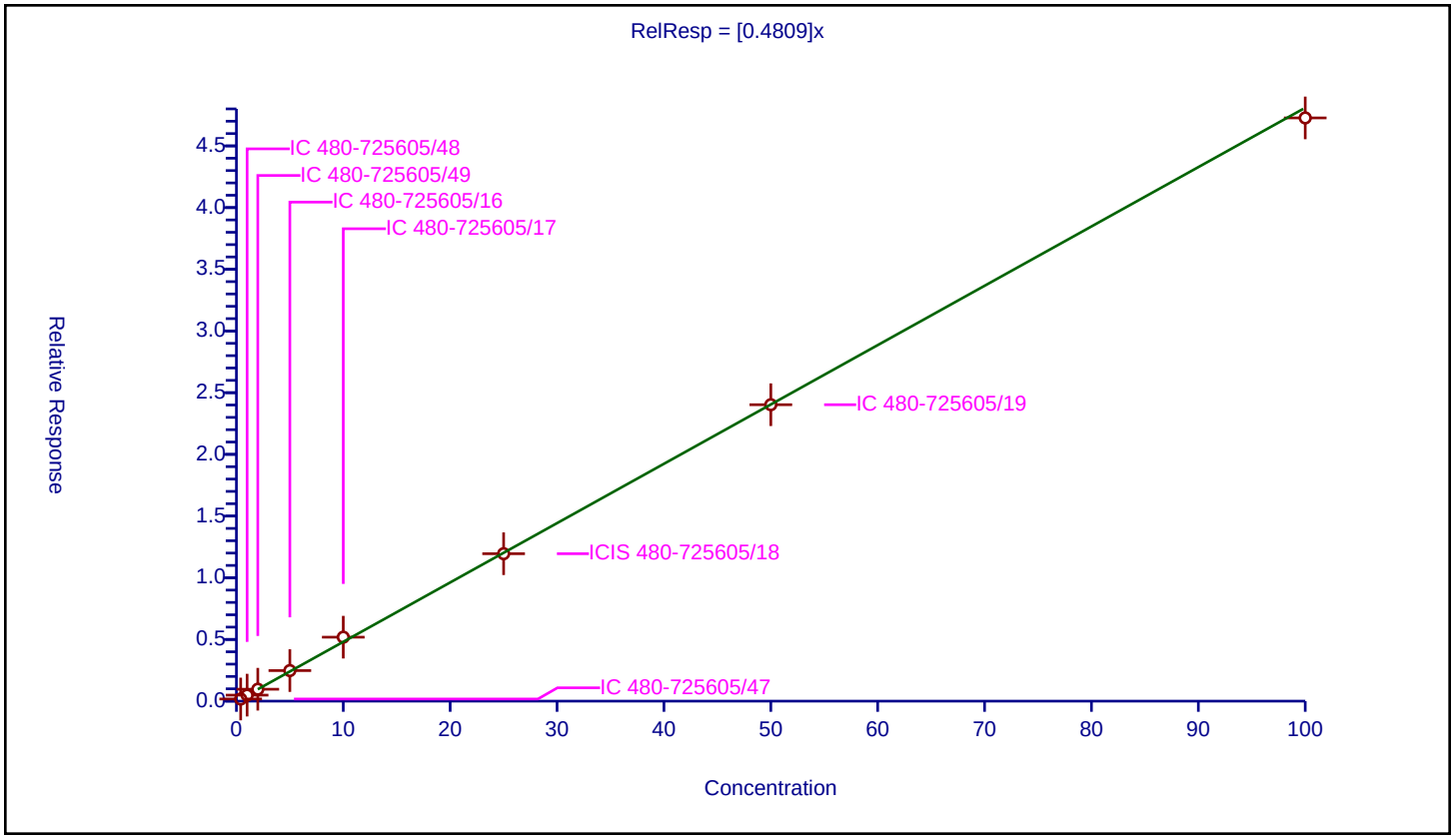
Curve Coefficients

Intercept:	0
Slope:	0.4809

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.17269	25.0	375819.0	0.431724	Y
2	IC 480-725605/48	1.0	0.487425	25.0	371339.0	0.487425	Y
3	IC 480-725605/49	2.0	0.965946	25.0	366687.0	0.482973	Y
4	IC 480-725605/16	5.0	2.478015	25.0	347617.0	0.495603	Y
5	IC 480-725605/17	10.0	5.182858	25.0	339171.0	0.518286	Y
6	ICIS 480-725605/18	25.0	11.949495	25.0	336464.0	0.47798	Y
7	IC 480-725605/19	50.0	24.024998	25.0	341666.0	0.4805	Y
8	IC 480-725605/20	100.0	47.268352	25.0	346247.0	0.472684	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

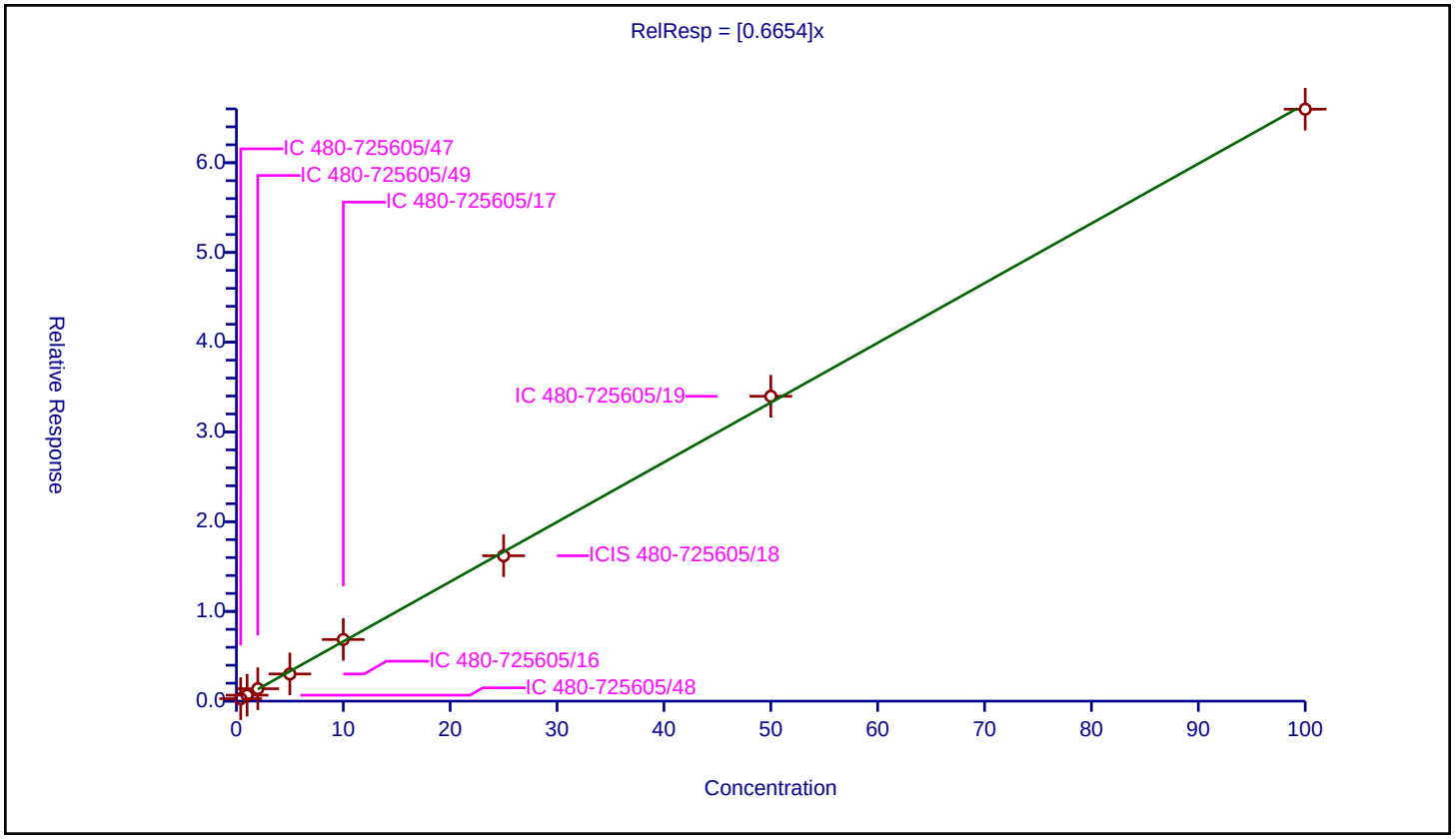
Curve Coefficients

Intercept:	0
Slope:	0.6654

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.274866	25.0	375819.0	0.687166	Y
2	IC 480-725605/48	1.0	0.664151	25.0	371339.0	0.664151	Y
3	IC 480-725605/49	2.0	1.384696	25.0	366687.0	0.692348	Y
4	IC 480-725605/16	5.0	3.028621	25.0	347617.0	0.605724	Y
5	IC 480-725605/17	10.0	6.869396	25.0	339171.0	0.68694	Y
6	ICIS 480-725605/18	25.0	16.201585	25.0	336464.0	0.648063	Y
7	IC 480-725605/19	50.0	33.973969	25.0	341666.0	0.679479	Y
8	IC 480-725605/20	100.0	65.964759	25.0	346247.0	0.659648	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

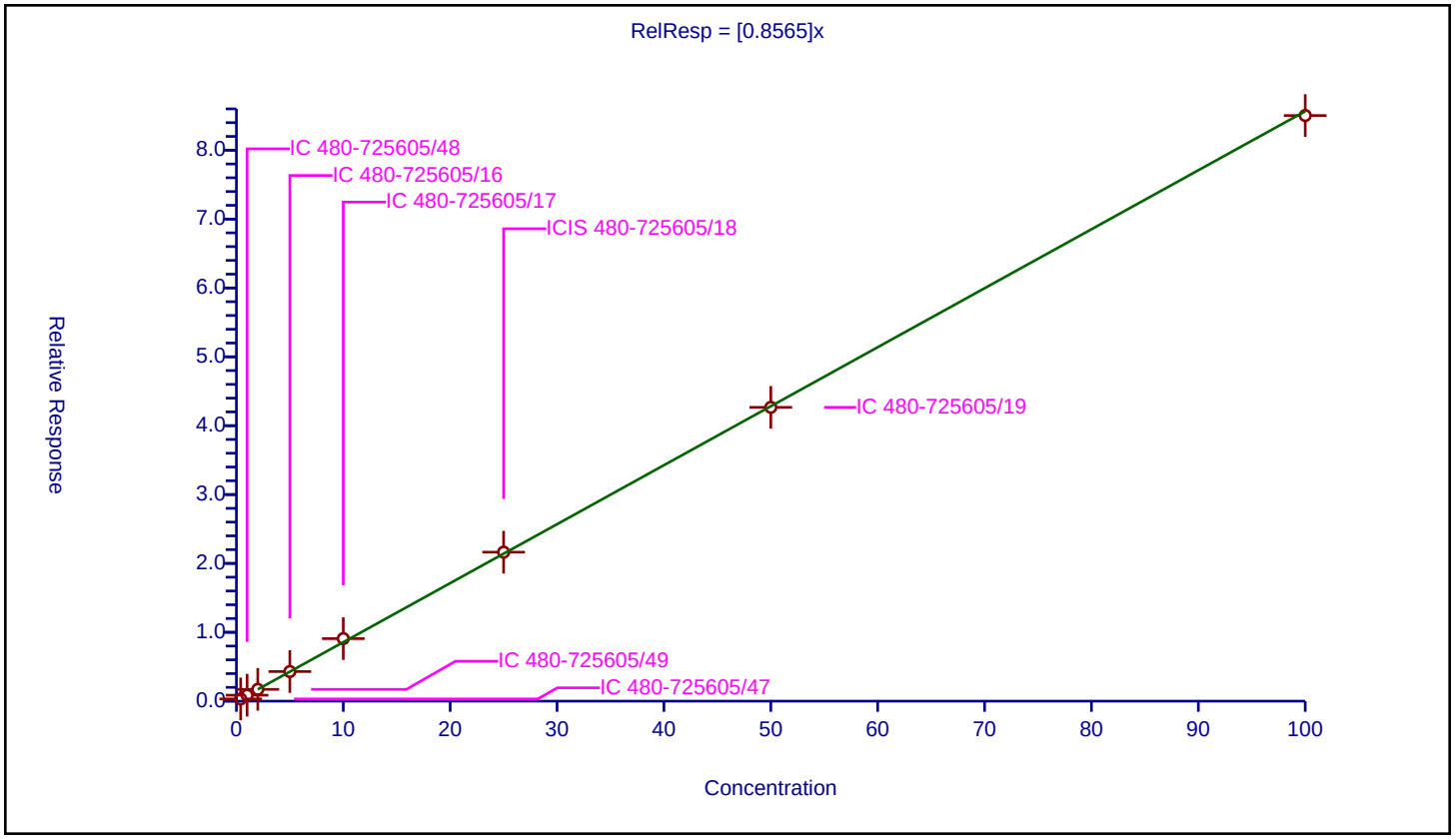
Curve Coefficients

Intercept:	0
Slope:	0.8565

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.317706	25.0	375819.0	0.794265	Y
2	IC 480-725605/48	1.0	0.864439	25.0	371339.0	0.864439	Y
3	IC 480-725605/49	2.0	1.712837	25.0	366687.0	0.856418	Y
4	IC 480-725605/16	5.0	4.299991	25.0	347617.0	0.859998	Y
5	IC 480-725605/17	10.0	9.079491	25.0	339171.0	0.907949	Y
6	ICIS 480-725605/18	25.0	21.633072	25.0	336464.0	0.865323	Y
7	IC 480-725605/19	50.0	42.662205	25.0	341666.0	0.853244	Y
8	IC 480-725605/20	100.0	85.034672	25.0	346247.0	0.850347	Y



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Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

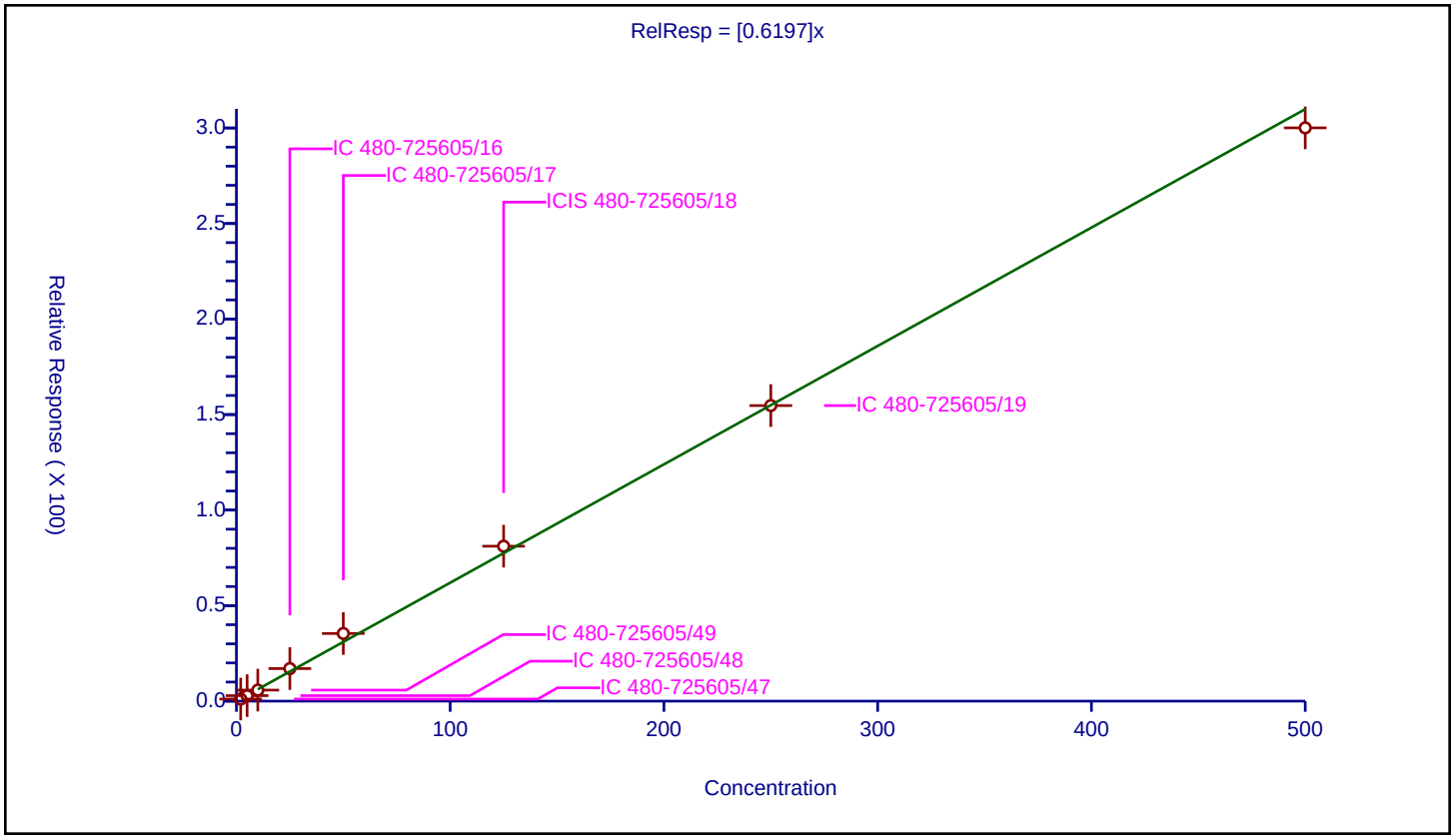
Curve Coefficients

Intercept:	0
Slope:	0.6197

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	2.0	1.090552	25.0	375819.0	0.545276	Y
2	IC 480-725605/48	5.0	2.883349	25.0	371339.0	0.57667	Y
3	IC 480-725605/49	10.0	5.777066	25.0	366687.0	0.577707	Y
4	IC 480-725605/16	25.0	17.044549	25.0	347617.0	0.681782	Y
5	IC 480-725605/17	50.0	35.4151	25.0	339171.0	0.708302	Y
6	ICIS 480-725605/18	125.0	81.104293	25.0	336464.0	0.648834	Y
7	IC 480-725605/19	250.0	154.713082	25.0	341666.0	0.618852	Y
8	IC 480-725605/20	500.0	300.074297	25.0	346247.0	0.600149	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

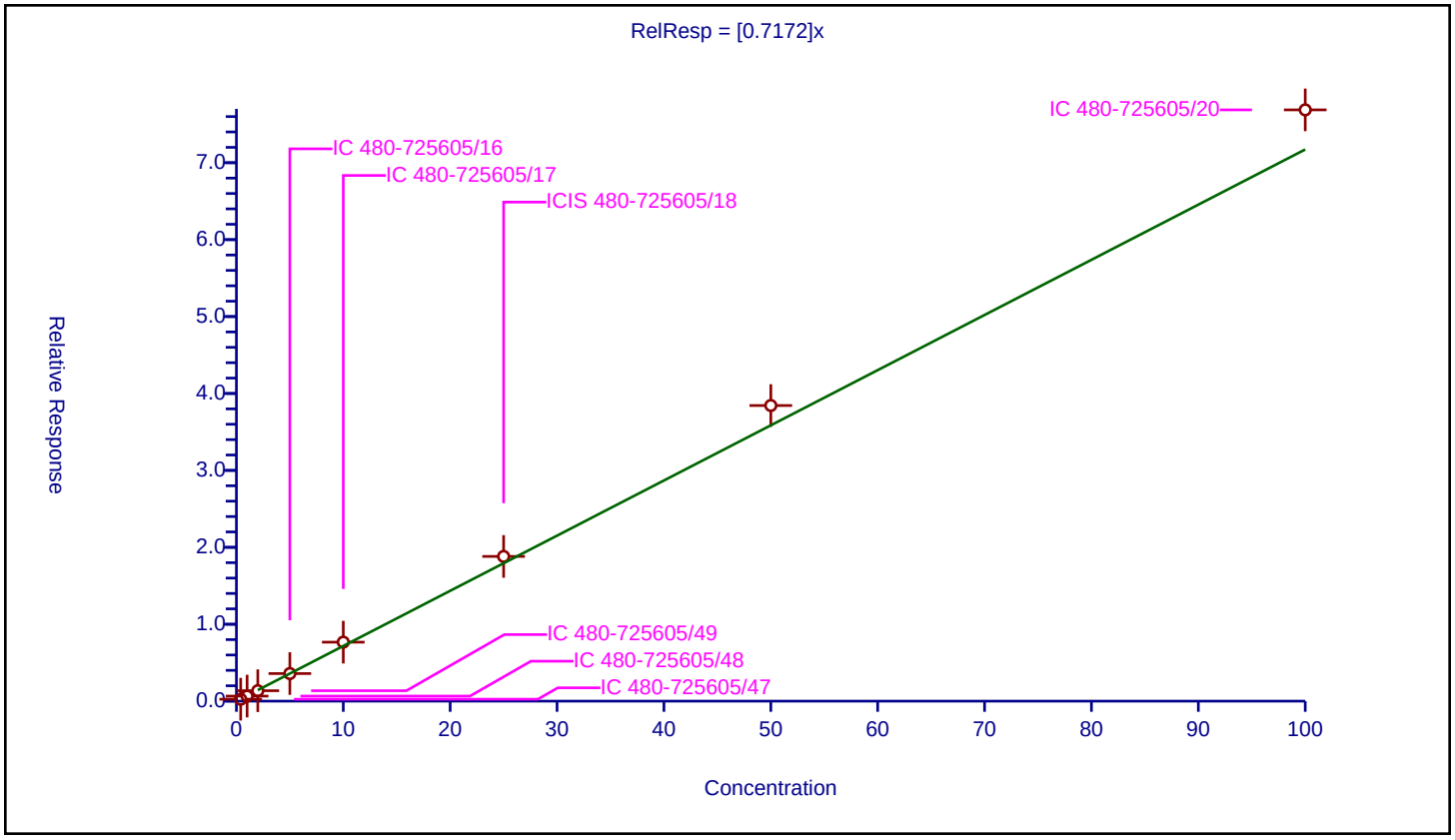
Curve Coefficients

Intercept:	0
Slope:	0.7172

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.251916	25.0	375819.0	0.629791	Y
2	IC 480-725605/48	1.0	0.656139	25.0	371339.0	0.656139	Y
3	IC 480-725605/49	2.0	1.354902	25.0	366687.0	0.677451	Y
4	IC 480-725605/16	5.0	3.587066	25.0	347617.0	0.717413	Y
5	IC 480-725605/17	10.0	7.669656	25.0	339171.0	0.766966	Y
6	ICIS 480-725605/18	25.0	18.814569	25.0	336464.0	0.752583	Y
7	IC 480-725605/19	50.0	38.435563	25.0	341666.0	0.768711	Y
8	IC 480-725605/20	100.0	76.872074	25.0	346247.0	0.768721	Y



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Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

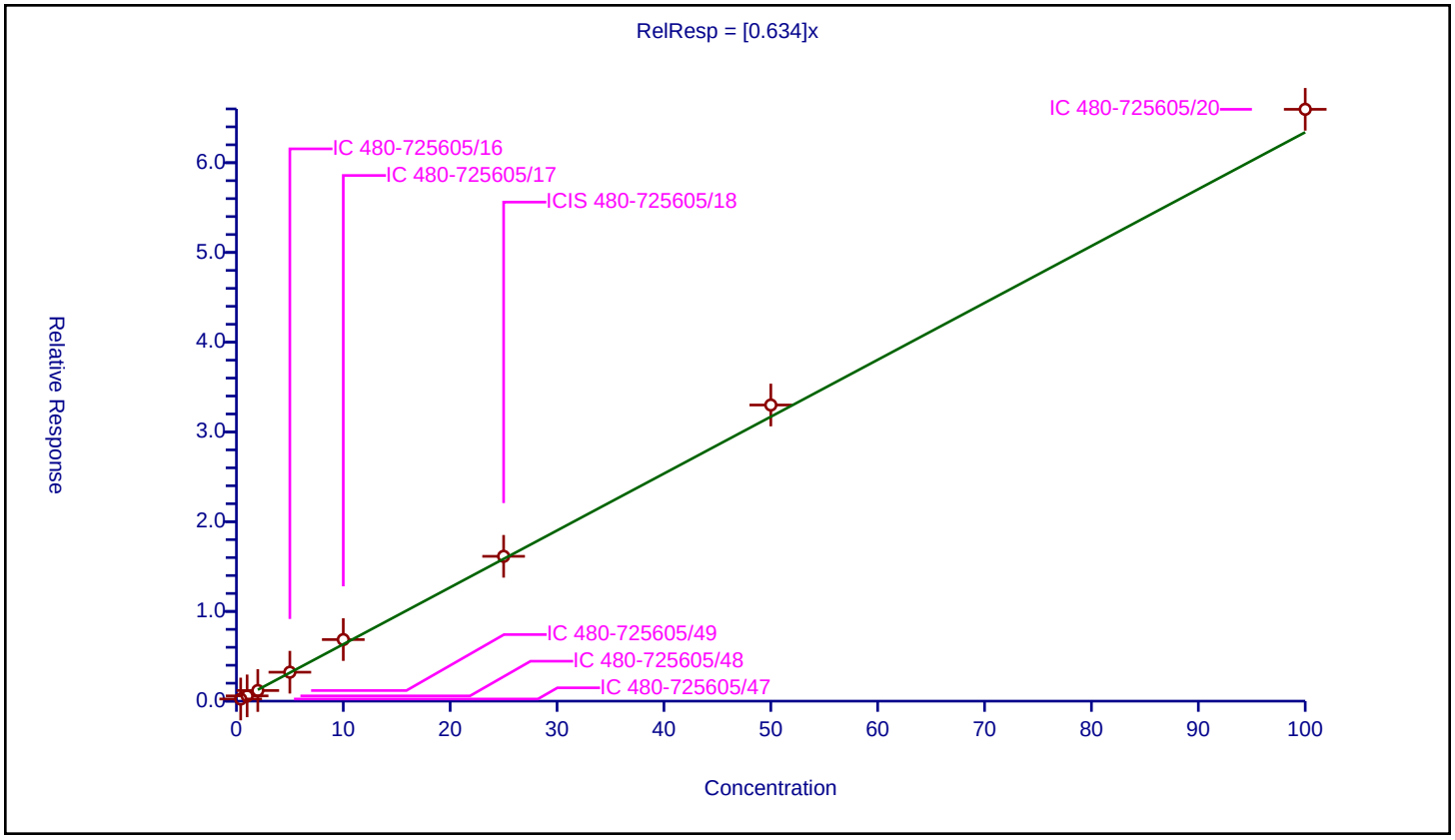
Curve Coefficients

Intercept:	0
Slope:	0.634

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.239344	25.0	375819.0	0.59836	Y
2	IC 480-725605/48	1.0	0.585987	25.0	371339.0	0.585987	Y
3	IC 480-725605/49	2.0	1.182548	25.0	366687.0	0.591274	Y
4	IC 480-725605/16	5.0	3.225461	25.0	347617.0	0.645092	Y
5	IC 480-725605/17	10.0	6.859298	25.0	339171.0	0.68593	Y
6	ICIS 480-725605/18	25.0	16.138502	25.0	336464.0	0.64554	Y
7	IC 480-725605/19	50.0	33.000723	25.0	341666.0	0.660014	Y
8	IC 480-725605/20	100.0	65.953857	25.0	346247.0	0.659539	Y



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Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

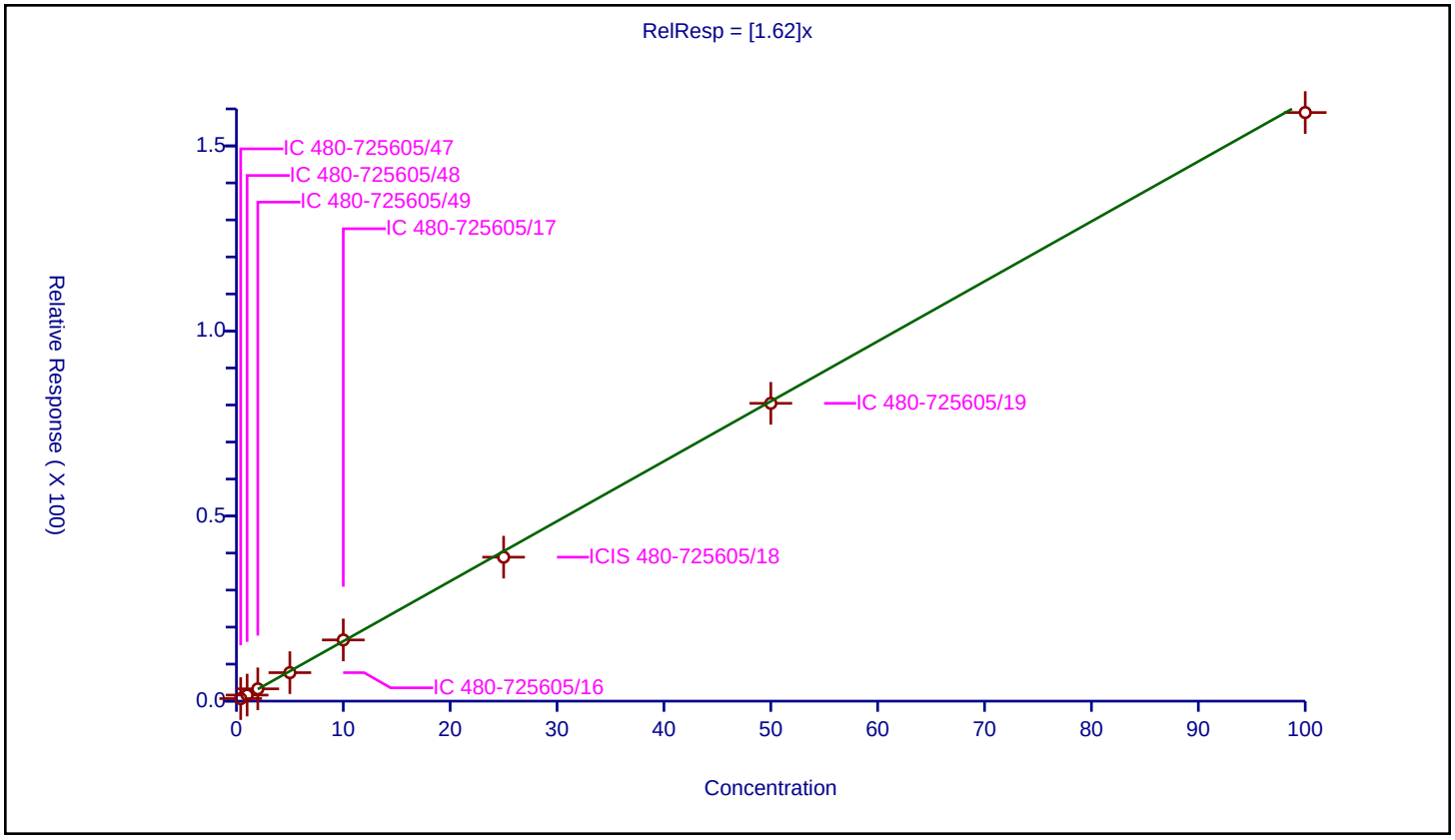
Curve Coefficients

Intercept:	0
Slope:	1.62

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.686235	25.0	375819.0	1.715586	Y
2	IC 480-725605/48	1.0	1.638395	25.0	371339.0	1.638395	Y
3	IC 480-725605/49	2.0	3.317475	25.0	366687.0	1.658738	Y
4	IC 480-725605/16	5.0	7.698847	25.0	347617.0	1.539769	Y
5	IC 480-725605/17	10.0	16.528462	25.0	339171.0	1.652846	Y
6	ICIS 480-725605/18	25.0	38.891234	25.0	336464.0	1.555649	Y
7	IC 480-725605/19	50.0	80.452401	25.0	341666.0	1.609048	Y
8	IC 480-725605/20	100.0	159.011197	25.0	346247.0	1.590112	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

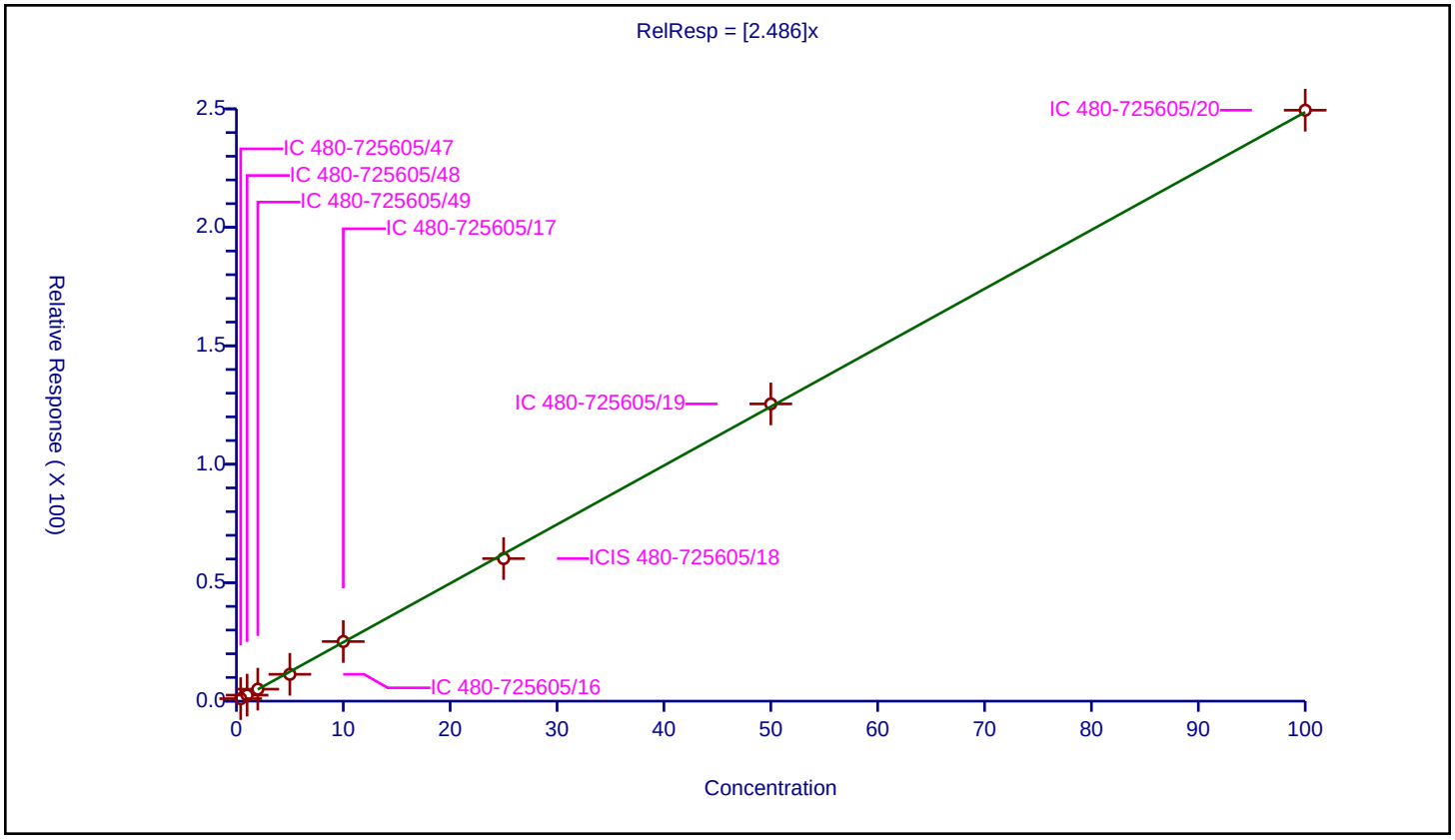
Curve Coefficients

Intercept:	0
Slope:	2.486

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.05137	25.0	375819.0	2.628426	Y
2	IC 480-725605/48	1.0	2.539795	25.0	371339.0	2.539795	Y
3	IC 480-725605/49	2.0	5.057651	25.0	366687.0	2.528826	Y
4	IC 480-725605/16	5.0	11.329567	25.0	347617.0	2.265913	Y
5	IC 480-725605/17	10.0	25.164298	25.0	339171.0	2.51643	Y
6	ICIS 480-725605/18	25.0	60.17568	25.0	336464.0	2.407027	Y
7	IC 480-725605/19	50.0	125.468586	25.0	341666.0	2.509372	Y
8	IC 480-725605/20	100.0	249.439779	25.0	346247.0	2.494398	Y



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Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

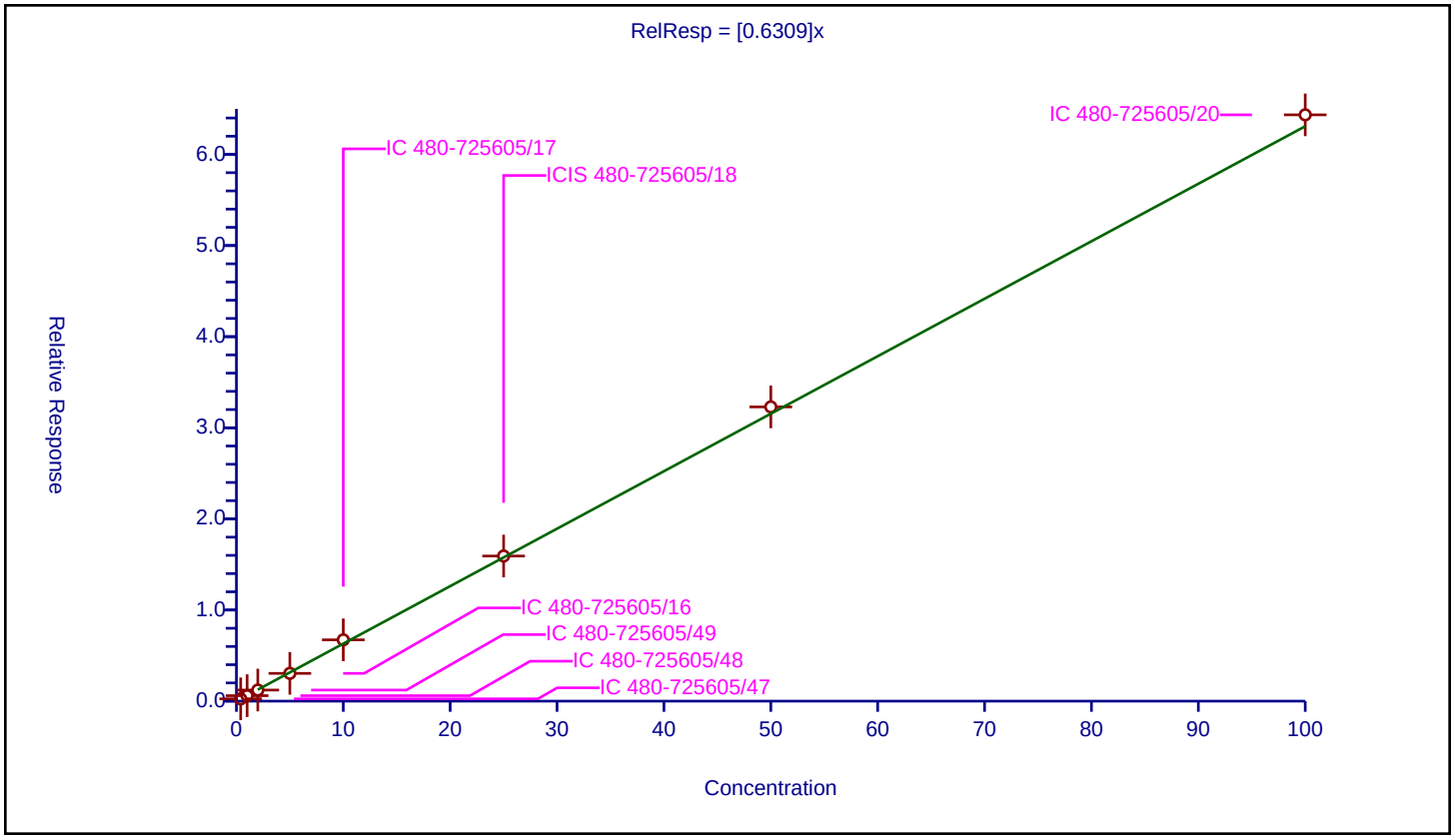
Curve Coefficients

Intercept:	0
Slope:	0.6309

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.251384	25.0	375819.0	0.628461	Y
2	IC 480-725605/48	1.0	0.601472	25.0	371339.0	0.601472	Y
3	IC 480-725605/49	2.0	1.216569	25.0	366687.0	0.608284	Y
4	IC 480-725605/16	5.0	3.048542	25.0	347617.0	0.609708	Y
5	IC 480-725605/17	10.0	6.726769	25.0	339171.0	0.672677	Y
6	ICIS 480-725605/18	25.0	15.927781	25.0	336464.0	0.637111	Y
7	IC 480-725605/19	50.0	32.292356	25.0	341666.0	0.645847	Y
8	IC 480-725605/20	100.0	64.348067	25.0	346247.0	0.643481	Y



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Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

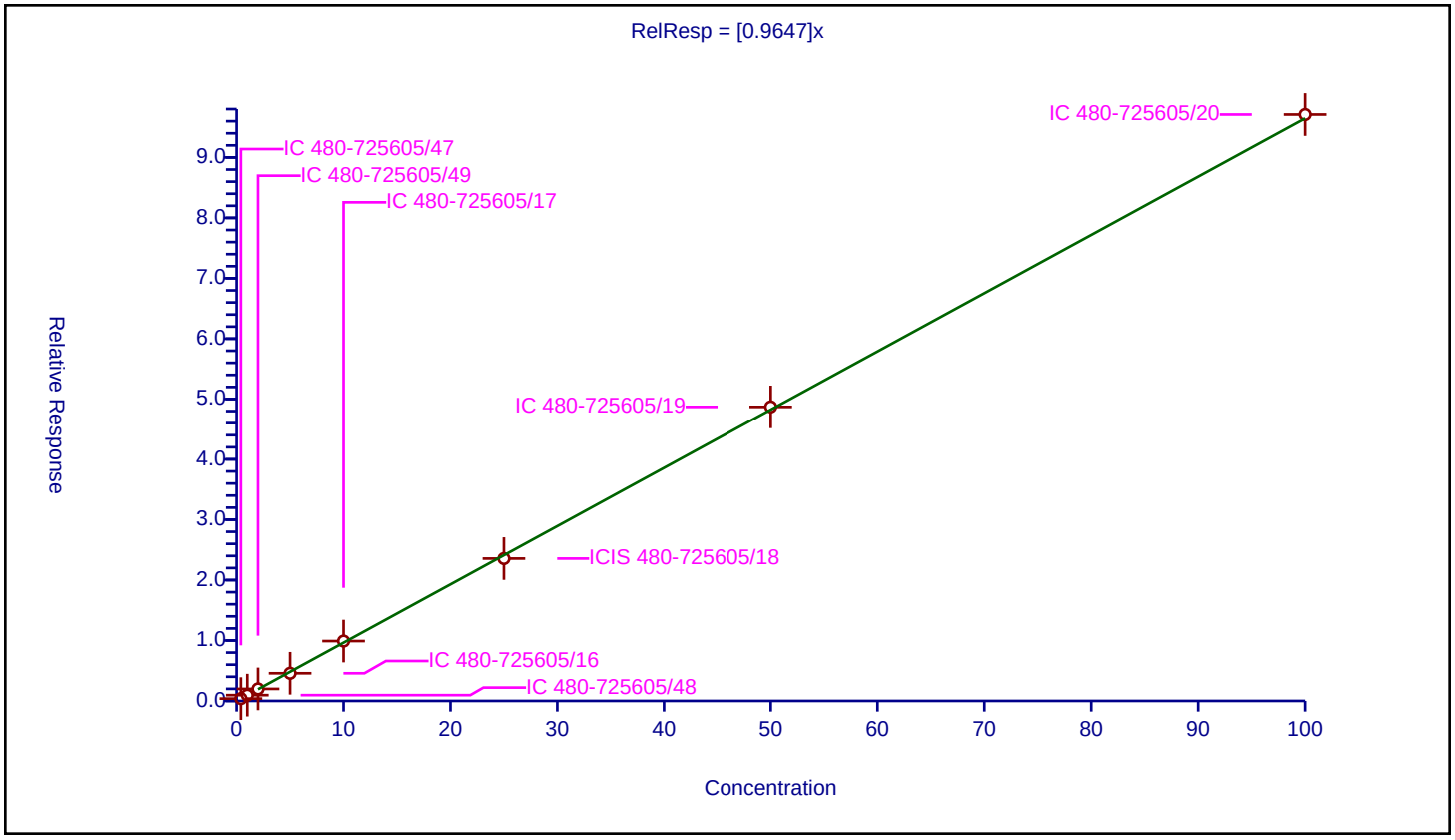
Curve Coefficients

Intercept:	0
Slope:	0.9647

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.387487	25.0	375819.0	0.968718	Y
2	IC 480-725605/48	1.0	0.960376	25.0	371339.0	0.960376	Y
3	IC 480-725605/49	2.0	1.990253	25.0	366687.0	0.995127	Y
4	IC 480-725605/16	5.0	4.576085	25.0	347617.0	0.915217	Y
5	IC 480-725605/17	10.0	9.907318	25.0	339171.0	0.990732	Y
6	ICIS 480-725605/18	25.0	23.566117	25.0	336464.0	0.942645	Y
7	IC 480-725605/19	50.0	48.696241	25.0	341666.0	0.973925	Y
8	IC 480-725605/20	100.0	97.101202	25.0	346247.0	0.971012	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

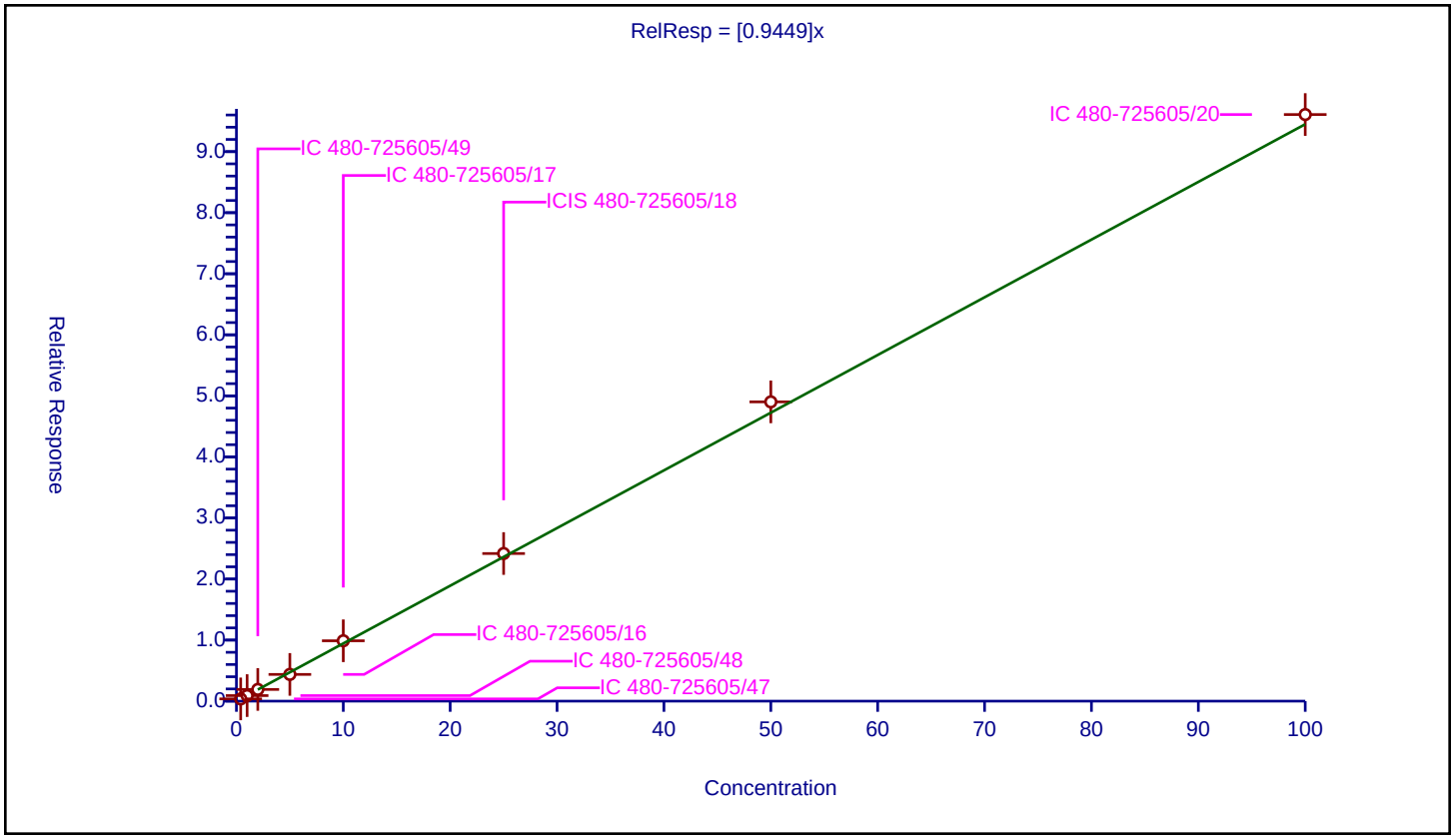
Curve Coefficients

Intercept:	0
Slope:	0.9449

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.366799	25.0	375819.0	0.916997	Y
2	IC 480-725605/48	1.0	0.911364	25.0	371339.0	0.911364	Y
3	IC 480-725605/49	2.0	1.915871	25.0	366687.0	0.957936	Y
4	IC 480-725605/16	5.0	4.378382	25.0	347617.0	0.875676	Y
5	IC 480-725605/17	10.0	9.886901	25.0	339171.0	0.98869	Y
6	ICIS 480-725605/18	25.0	24.179184	25.0	336464.0	0.967167	Y
7	IC 480-725605/19	50.0	49.016144	25.0	341666.0	0.980323	Y
8	IC 480-725605/20	100.0	96.075417	25.0	346247.0	0.960754	Y



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Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

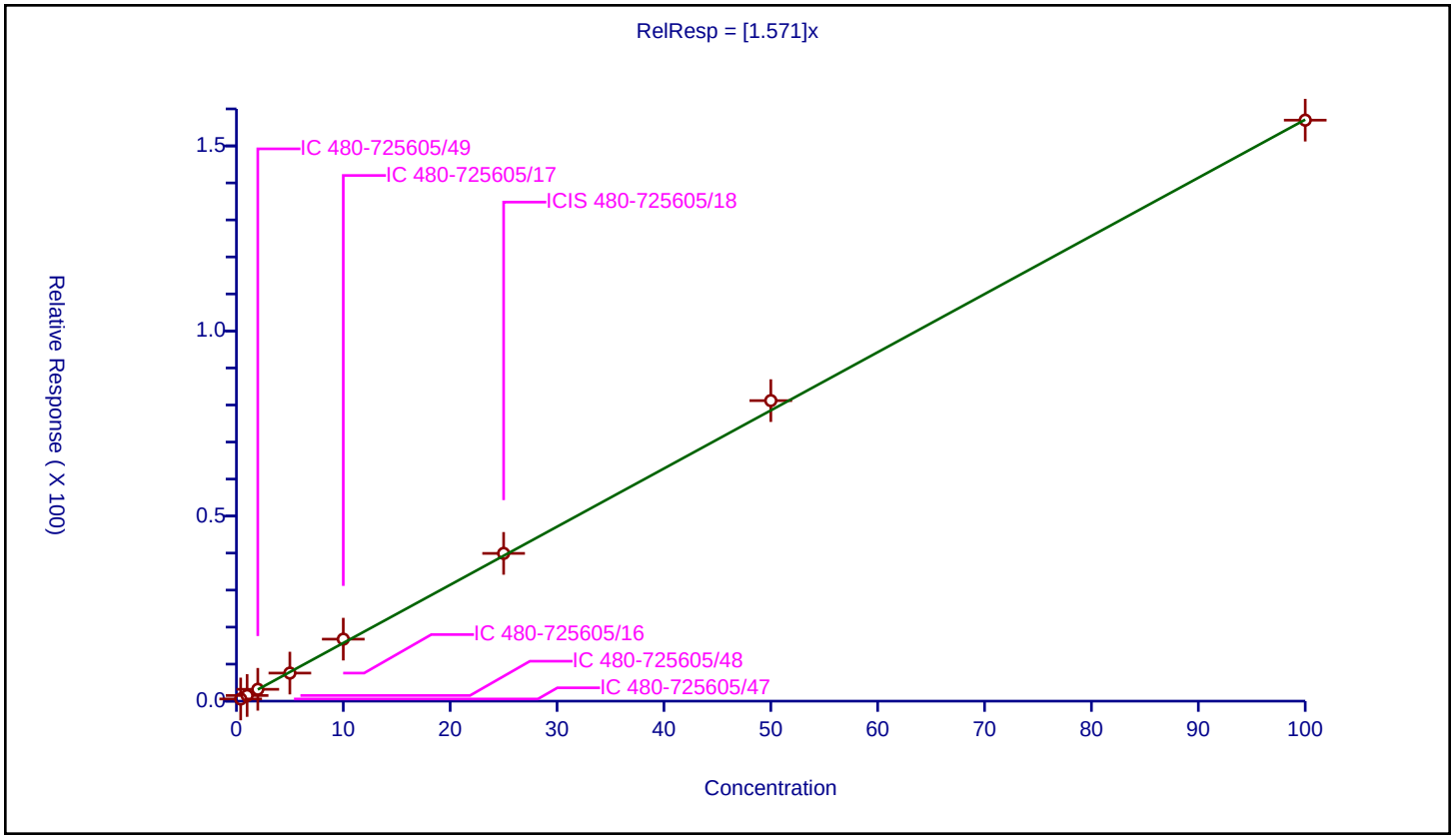
Curve Coefficients

Intercept:	0
Slope:	1.571

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.587184	25.0	375819.0	1.467961	Y
2	IC 480-725605/48	1.0	1.519838	25.0	371339.0	1.519838	Y
3	IC 480-725605/49	2.0	3.197754	25.0	366687.0	1.598877	Y
4	IC 480-725605/16	5.0	7.583849	25.0	347617.0	1.51677	Y
5	IC 480-725605/17	10.0	16.746567	25.0	339171.0	1.674657	Y
6	ICIS 480-725605/18	25.0	39.91586	25.0	336464.0	1.596634	Y
7	IC 480-725605/19	50.0	81.192524	25.0	341666.0	1.62385	Y
8	IC 480-725605/20	100.0	156.958183	25.0	346247.0	1.569582	Y



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Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

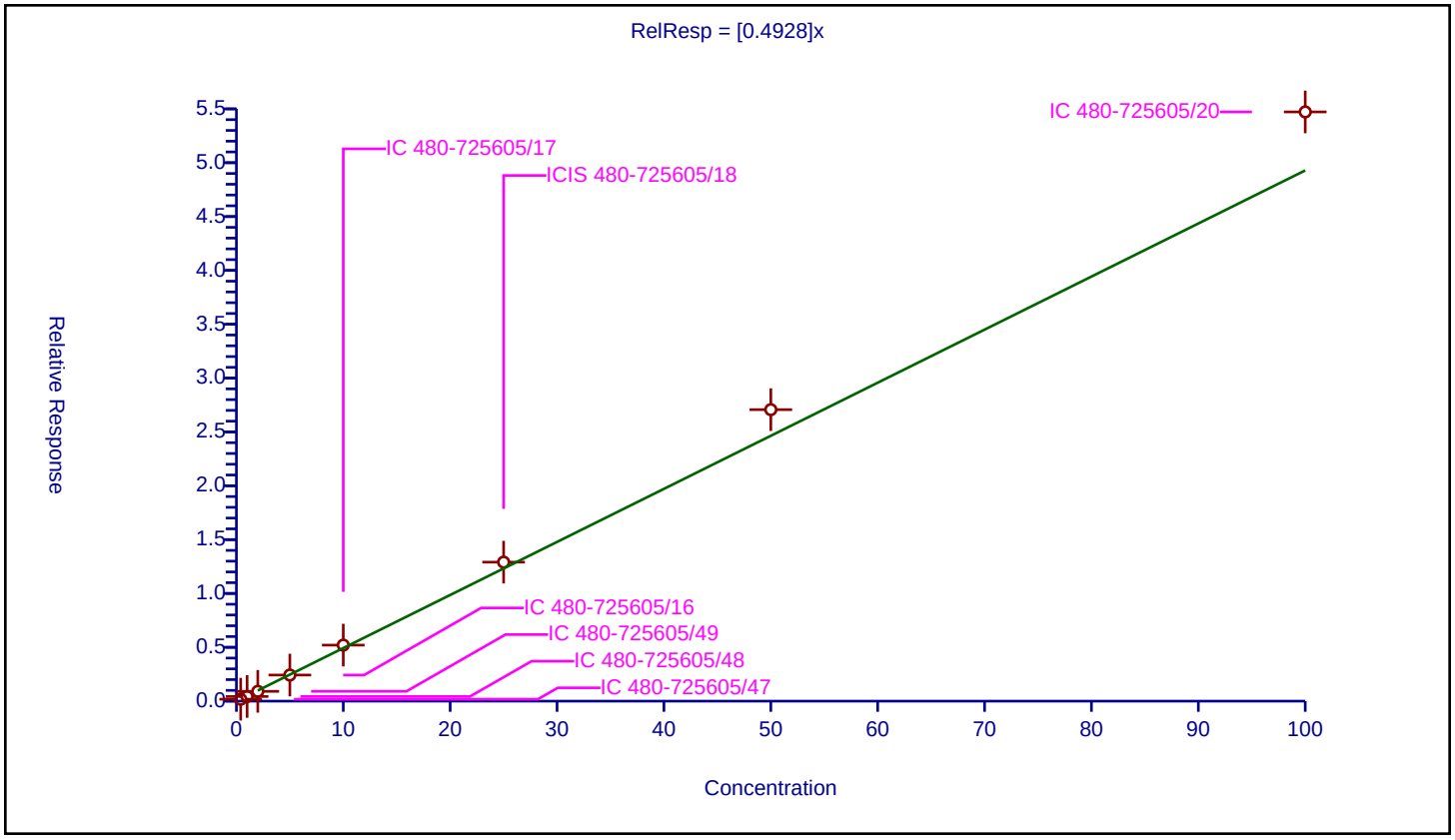
Curve Coefficients

Intercept:	0
Slope:	0.4928

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.178144	25.0	375819.0	0.445361	Y
2	IC 480-725605/48	1.0	0.43222	25.0	371339.0	0.43222	Y
3	IC 480-725605/49	2.0	0.909495	25.0	366687.0	0.454748	Y
4	IC 480-725605/16	5.0	2.426377	25.0	347617.0	0.485275	Y
5	IC 480-725605/17	10.0	5.202685	25.0	339171.0	0.520269	Y
6	ICIS 480-725605/18	25.0	12.908216	25.0	336464.0	0.516329	Y
7	IC 480-725605/19	50.0	27.069346	25.0	341666.0	0.541387	Y
8	IC 480-725605/20	100.0	54.718308	25.0	346247.0	0.547183	Y



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Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

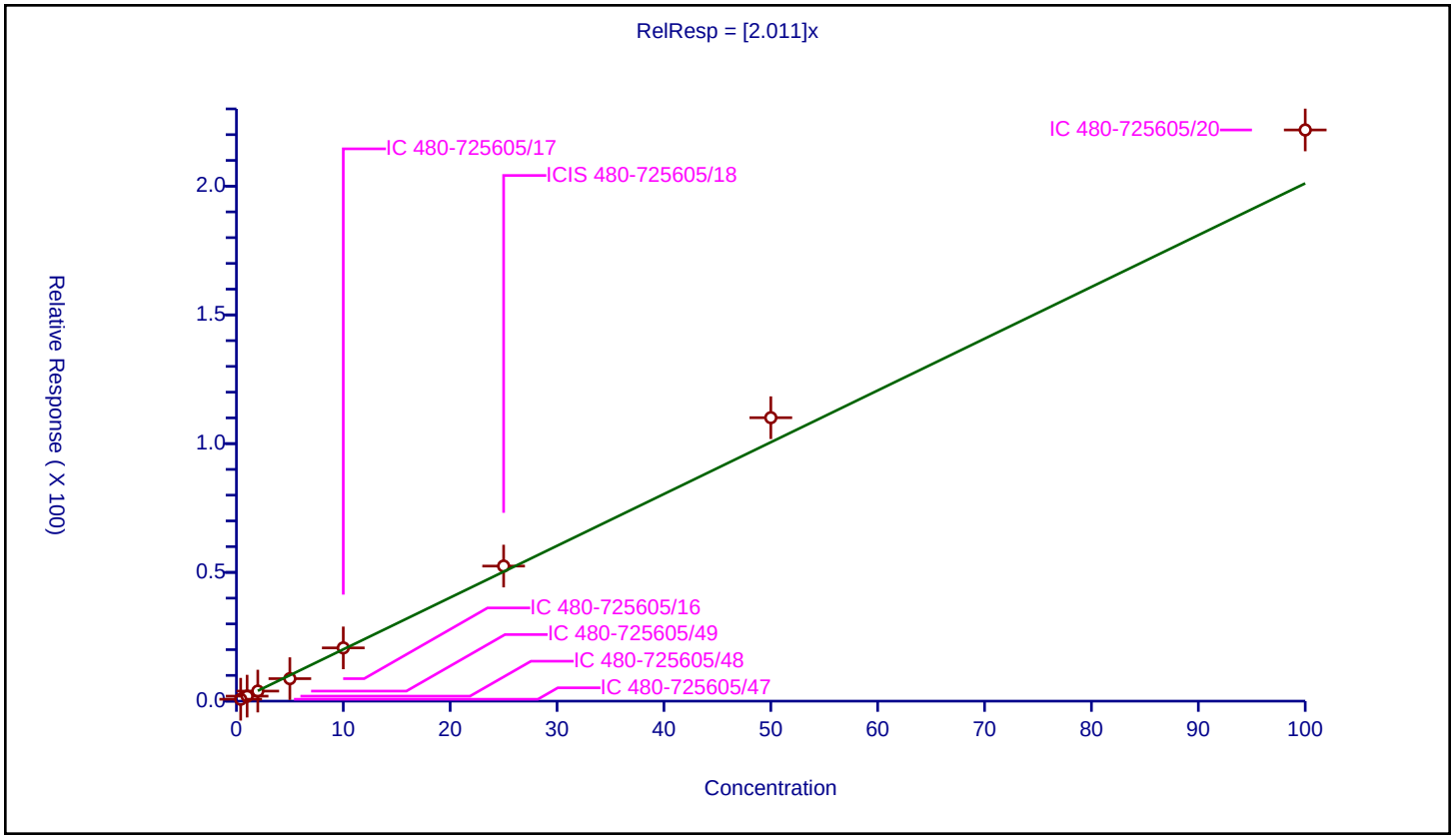
Curve Coefficients

Intercept:	0
Slope:	2.011

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.744559	25.0	433411.0	1.861397	Y
2	IC 480-725605/48	1.0	1.94078	25.0	422897.0	1.94078	Y
3	IC 480-725605/49	2.0	3.904287	25.0	431468.0	1.952144	Y
4	IC 480-725605/16	5.0	8.729863	25.0	406653.0	1.745973	Y
5	IC 480-725605/17	10.0	20.680991	25.0	385372.0	2.068099	Y
6	ICIS 480-725605/18	25.0	52.456365	25.0	363759.0	2.098255	Y
7	IC 480-725605/19	50.0	110.077845	25.0	365986.0	2.201557	Y
8	IC 480-725605/20	100.0	221.815797	25.0	362948.0	2.218158	Y



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Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

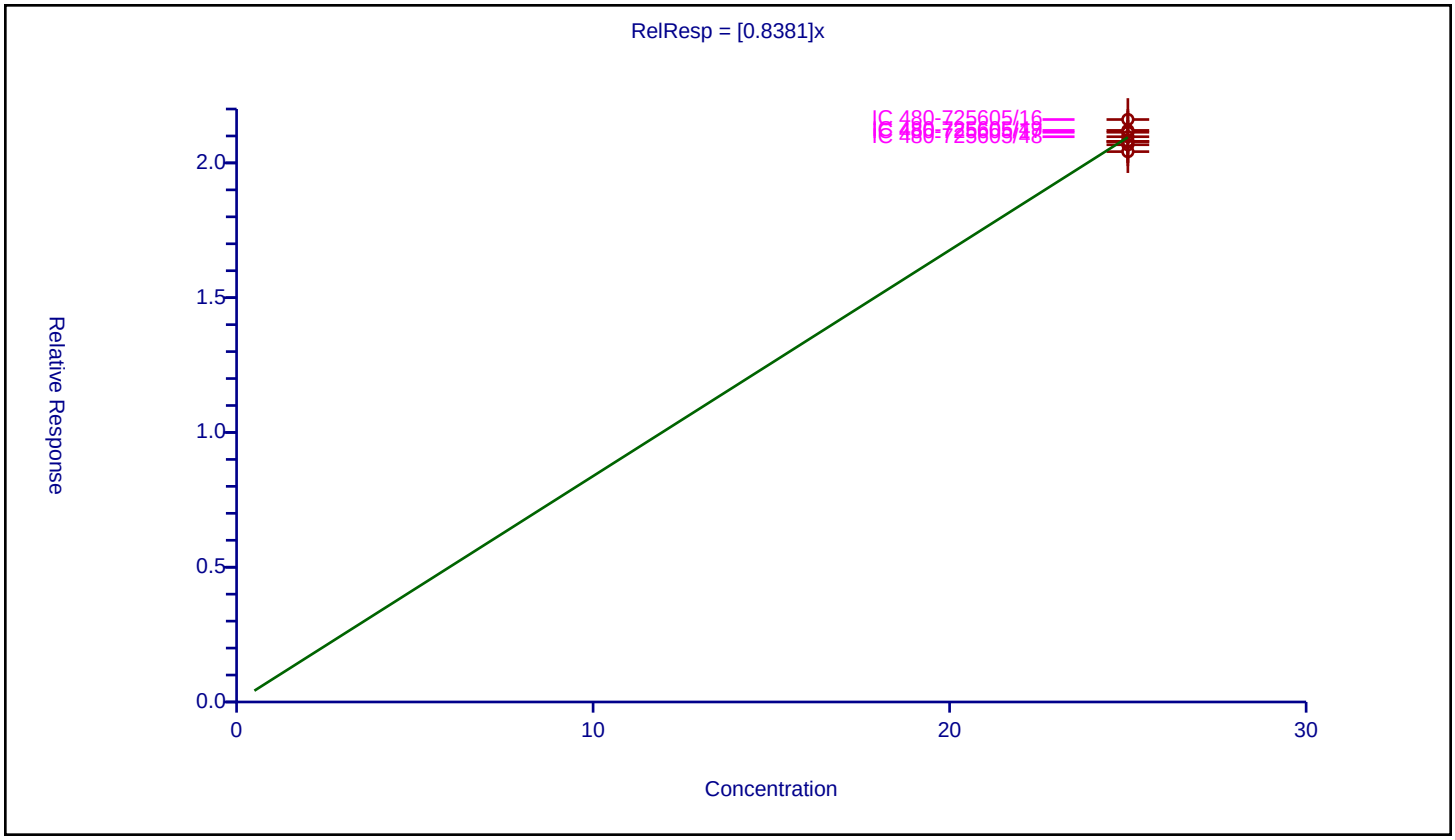
Curve Coefficients

Intercept:	0
Slope:	0.8381

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/16	25.0	21.61035	25.0	347617.0	0.864414	Y
2	IC 480-725605/17	25.0	21.137715	25.0	339171.0	0.845509	Y
3	ICIS 480-725605/18	25.0	20.790114	25.0	336464.0	0.831605	Y
4	IC 480-725605/19	25.0	20.41943	25.0	341666.0	0.816777	Y
5	IC 480-725605/20	25.0	20.67397	25.0	346247.0	0.826959	Y
6	IC 480-725605/47	25.0	20.800904	25.0	375819.0	0.832036	Y
7	IC 480-725605/48	25.0	20.971673	25.0	371339.0	0.838867	Y
8	IC 480-725605/49	25.0	21.206506	25.0	366687.0	0.84826	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

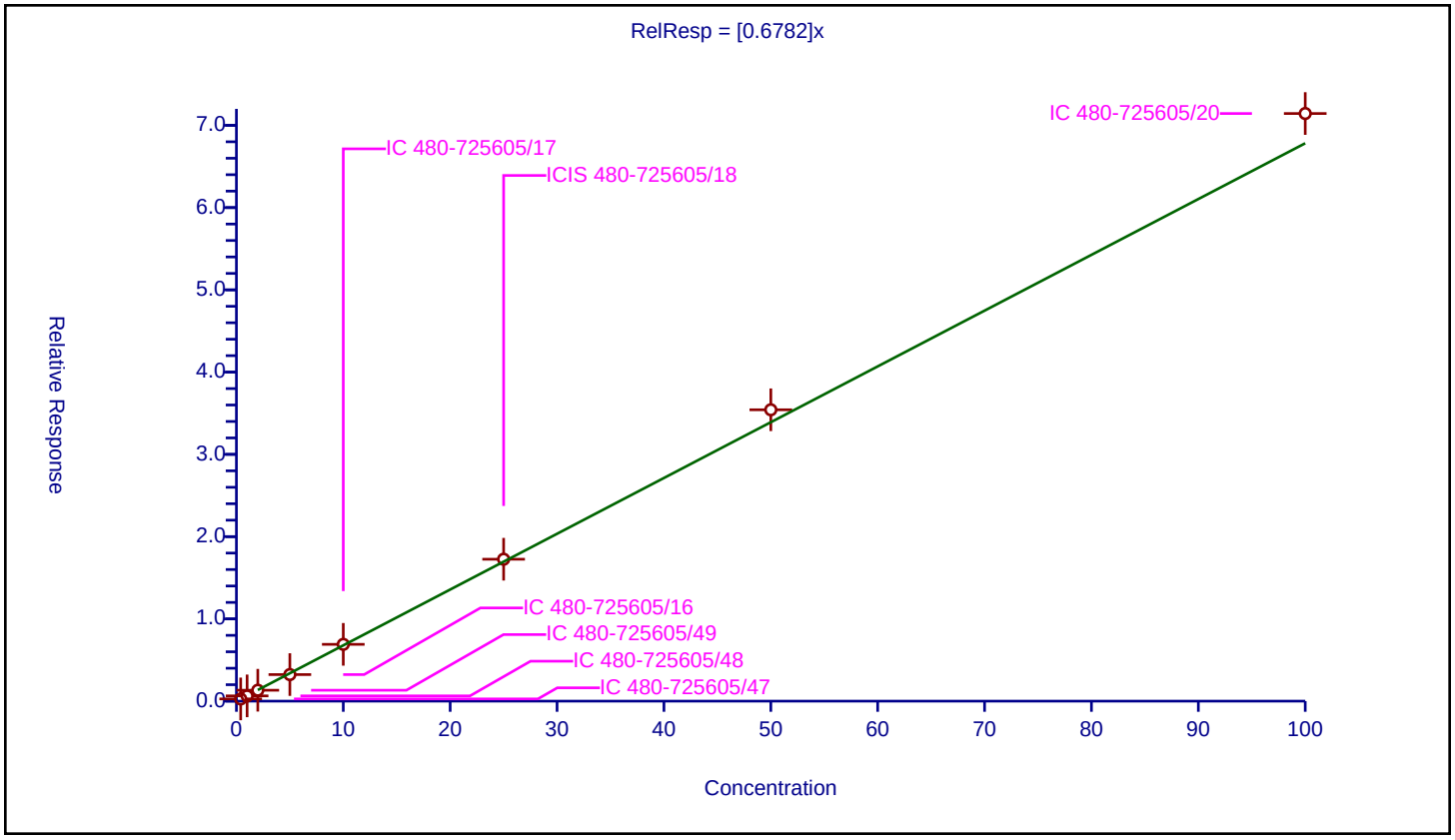
Curve Coefficients

Intercept:	0
Slope:	0.6782

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.269952	25.0	433411.0	0.674879	Y
2	IC 480-725605/48	1.0	0.639399	25.0	422897.0	0.639399	Y
3	IC 480-725605/49	2.0	1.324548	25.0	431468.0	0.662274	Y
4	IC 480-725605/16	5.0	3.22892	25.0	406653.0	0.645784	Y
5	IC 480-725605/17	10.0	6.90333	25.0	385372.0	0.690333	Y
6	ICIS 480-725605/18	25.0	17.254831	25.0	363759.0	0.690193	Y
7	IC 480-725605/19	50.0	35.419797	25.0	365986.0	0.708396	Y
8	IC 480-725605/20	100.0	71.436542	25.0	362948.0	0.714365	Y



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Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

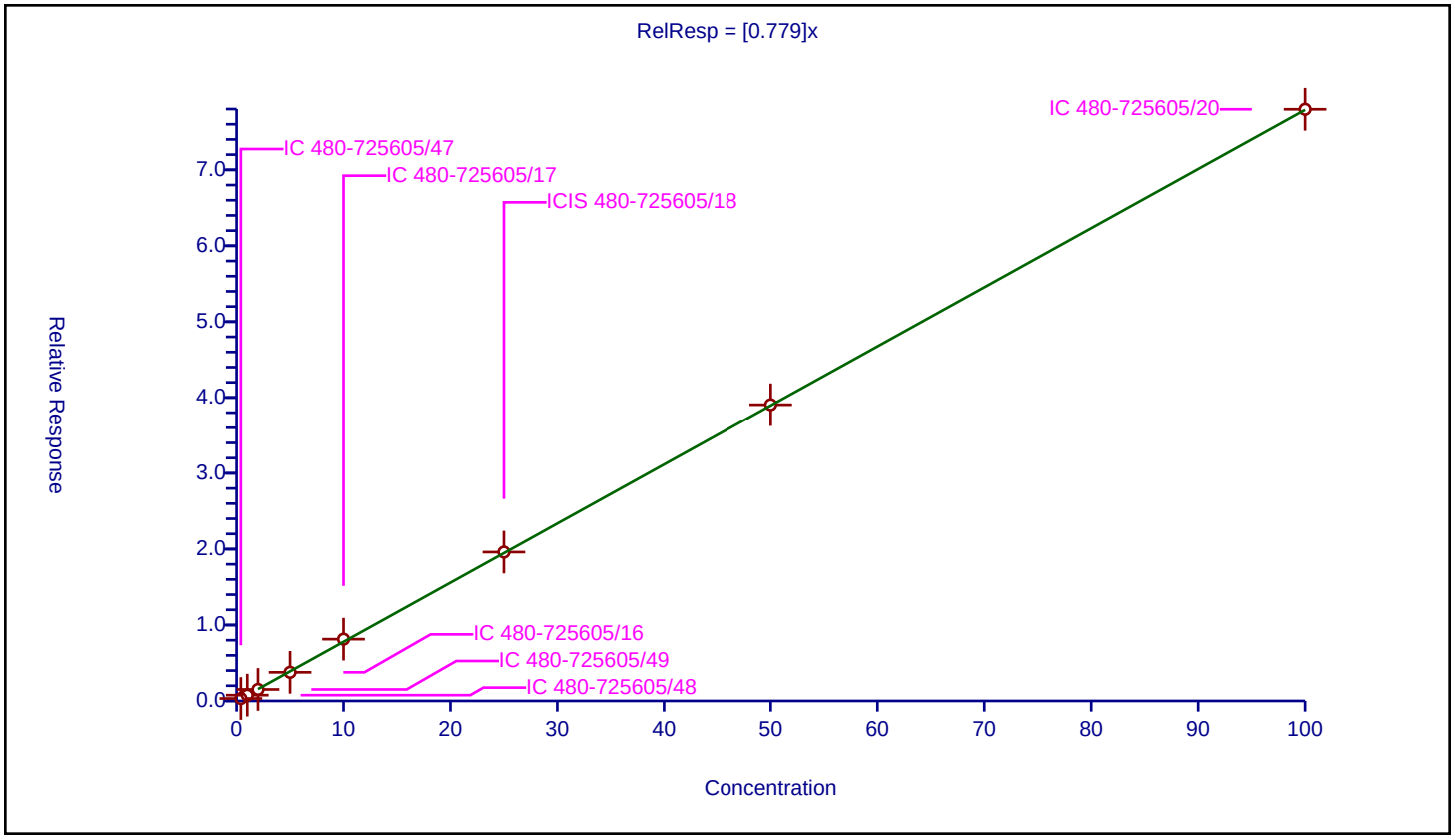
Curve Coefficients

Intercept:	0
Slope:	0.779

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.319789	25.0	433411.0	0.799472	Y
2	IC 480-725605/48	1.0	0.762656	25.0	422897.0	0.762656	Y
3	IC 480-725605/49	2.0	1.514423	25.0	431468.0	0.757211	Y
4	IC 480-725605/16	5.0	3.769246	25.0	406653.0	0.753849	Y
5	IC 480-725605/17	10.0	8.13597	25.0	385372.0	0.813597	Y
6	ICIS 480-725605/18	25.0	19.604876	25.0	363759.0	0.784195	Y
7	IC 480-725605/19	50.0	39.048693	25.0	365986.0	0.780974	Y
8	IC 480-725605/20	100.0	77.9684	25.0	362948.0	0.779684	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

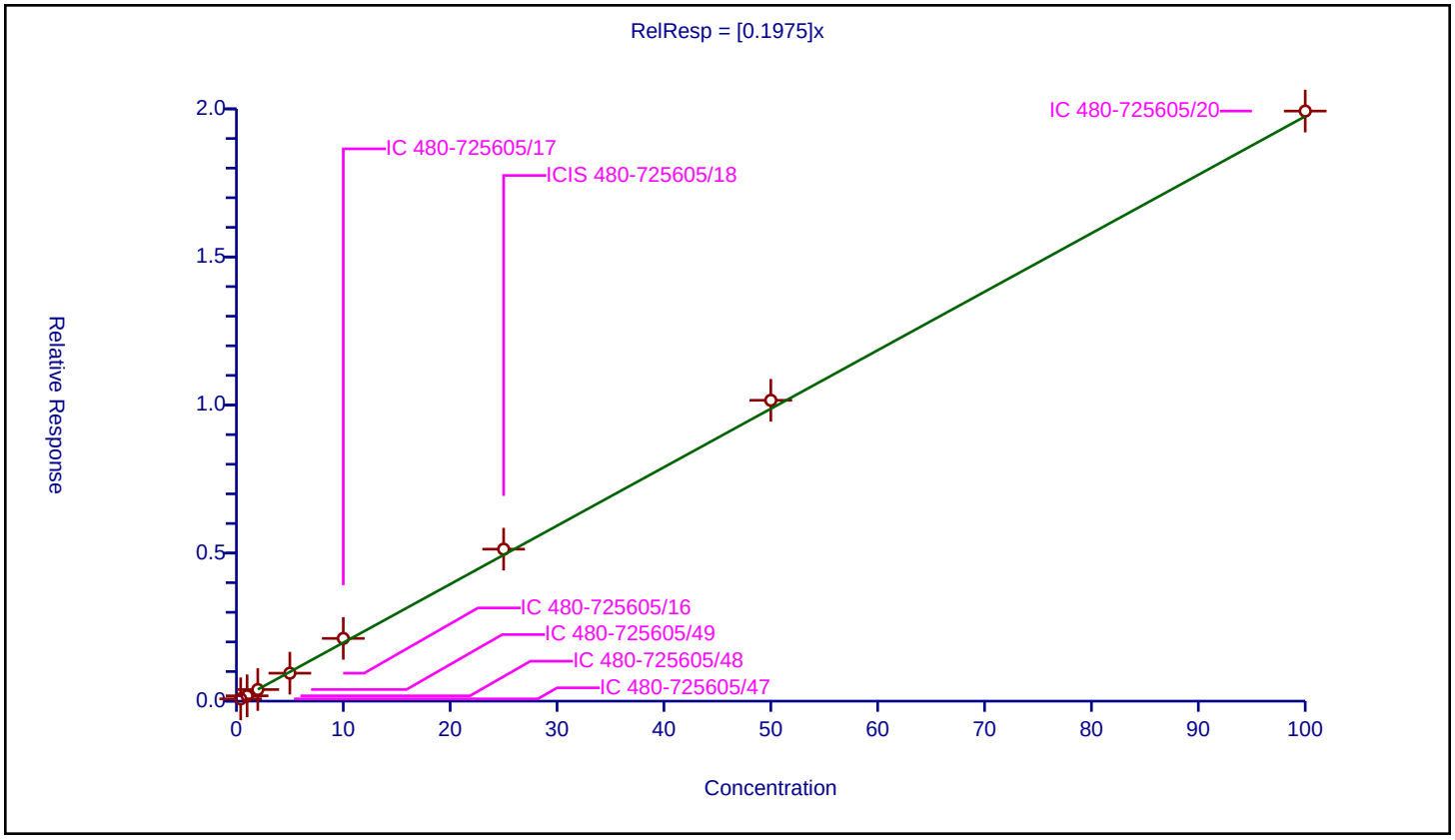
Curve Coefficients

Intercept:	0
Slope:	0.1975

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.078044	25.0	433411.0	0.195109	Y
2	IC 480-725605/48	1.0	0.180422	25.0	422897.0	0.180422	Y
3	IC 480-725605/49	2.0	0.39186	25.0	431468.0	0.19593	Y
4	IC 480-725605/16	5.0	0.944048	25.0	406653.0	0.18881	Y
5	IC 480-725605/17	10.0	2.118213	25.0	385372.0	0.211821	Y
6	ICIS 480-725605/18	25.0	5.132725	25.0	363759.0	0.205309	Y
7	IC 480-725605/19	50.0	10.159473	25.0	365986.0	0.203189	Y
8	IC 480-725605/20	100.0	19.926684	25.0	362948.0	0.199267	Y



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Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

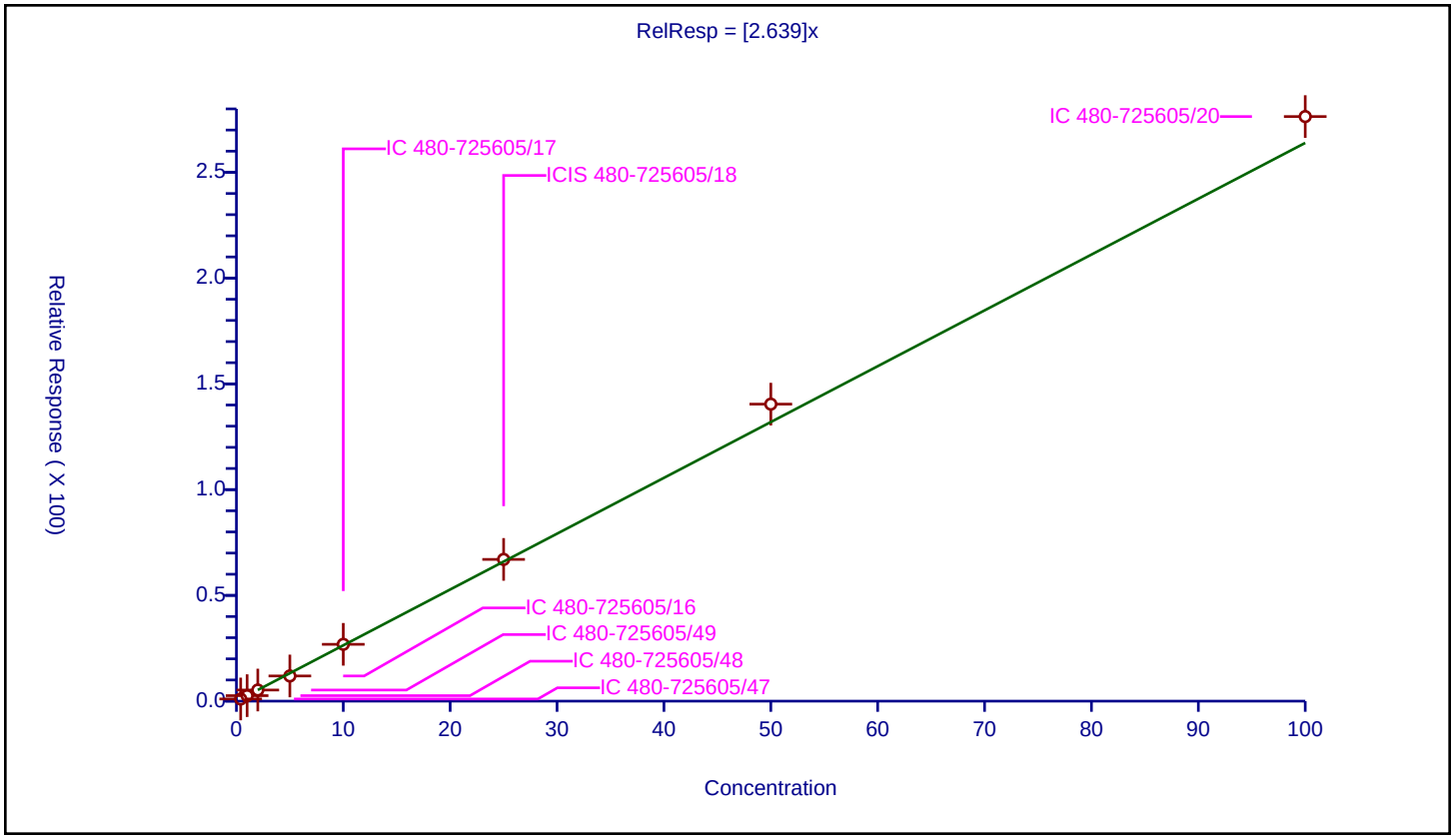
Curve Coefficients

Intercept:	0
Slope:	2.639

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	1.028066	25.0	433411.0	2.570164	Y
2	IC 480-725605/48	1.0	2.597559	25.0	422897.0	2.597559	Y
3	IC 480-725605/49	2.0	5.251085	25.0	431468.0	2.625542	Y
4	IC 480-725605/16	5.0	11.899642	25.0	406653.0	2.379928	Y
5	IC 480-725605/17	10.0	26.865924	25.0	385372.0	2.686592	Y
6	ICIS 480-725605/18	25.0	67.009957	25.0	363759.0	2.680398	Y
7	IC 480-725605/19	50.0	140.423746	25.0	365986.0	2.808475	Y
8	IC 480-725605/20	100.0	276.369755	25.0	362948.0	2.763698	Y



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Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

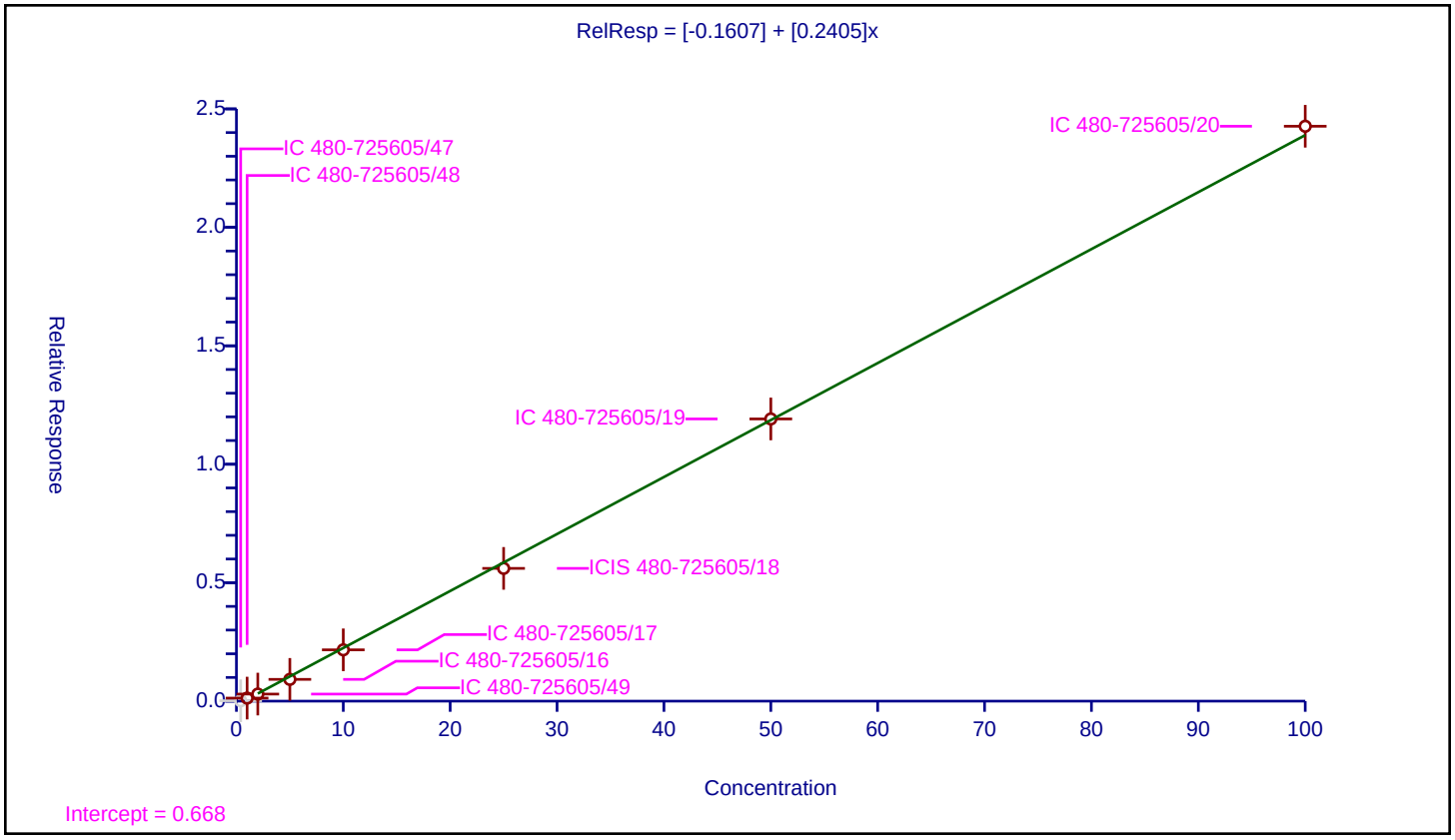
Curve Coefficients

Intercept:	-0.1607
Slope:	0.2405

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.017247	25.0	433411.0	0.043117	N
2	IC 480-725605/48	1.0	0.128577	25.0	422897.0	0.128577	Y
3	IC 480-725605/49	2.0	0.298052	25.0	431468.0	0.149026	Y
4	IC 480-725605/16	5.0	0.918842	25.0	406653.0	0.183768	Y
5	IC 480-725605/17	10.0	2.165829	25.0	385372.0	0.216583	Y
6	ICIS 480-725605/18	25.0	5.603985	25.0	363759.0	0.224159	Y
7	IC 480-725605/19	50.0	11.912478	25.0	365986.0	0.23825	Y
8	IC 480-725605/20	100.0	24.267113	25.0	362948.0	0.242671	Y



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Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

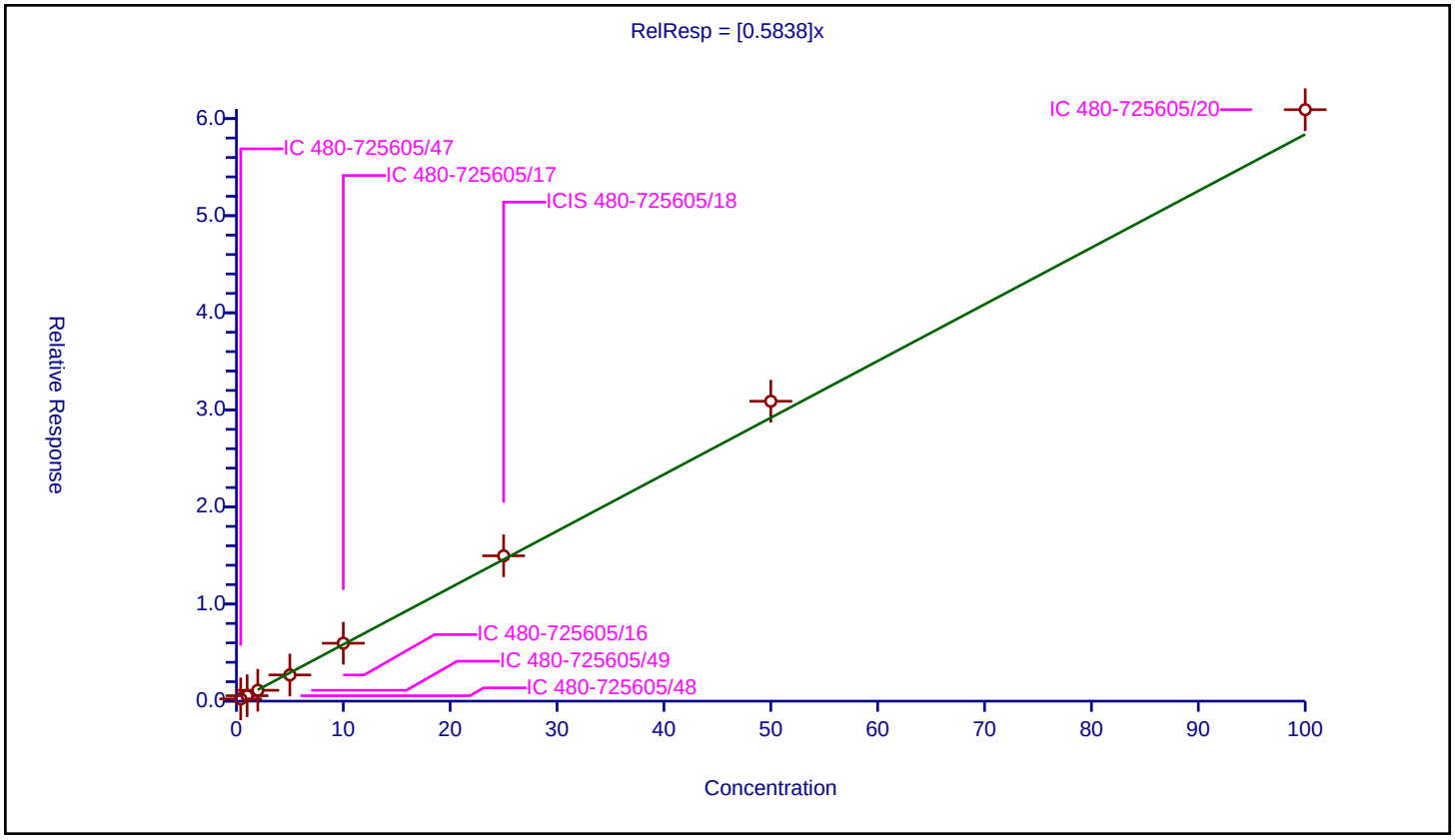
Curve Coefficients

Intercept:	0
Slope:	0.5838

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.235112	25.0	433411.0	0.587779	Y
2	IC 480-725605/48	1.0	0.56113	25.0	422897.0	0.56113	Y
3	IC 480-725605/49	2.0	1.120187	25.0	431468.0	0.560094	Y
4	IC 480-725605/16	5.0	2.697201	25.0	406653.0	0.53944	Y
5	IC 480-725605/17	10.0	5.964302	25.0	385372.0	0.59643	Y
6	ICIS 480-725605/18	25.0	14.968496	25.0	363759.0	0.59874	Y
7	IC 480-725605/19	50.0	30.889433	25.0	365986.0	0.617789	Y
8	IC 480-725605/20	100.0	60.921399	25.0	362948.0	0.609214	Y



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Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

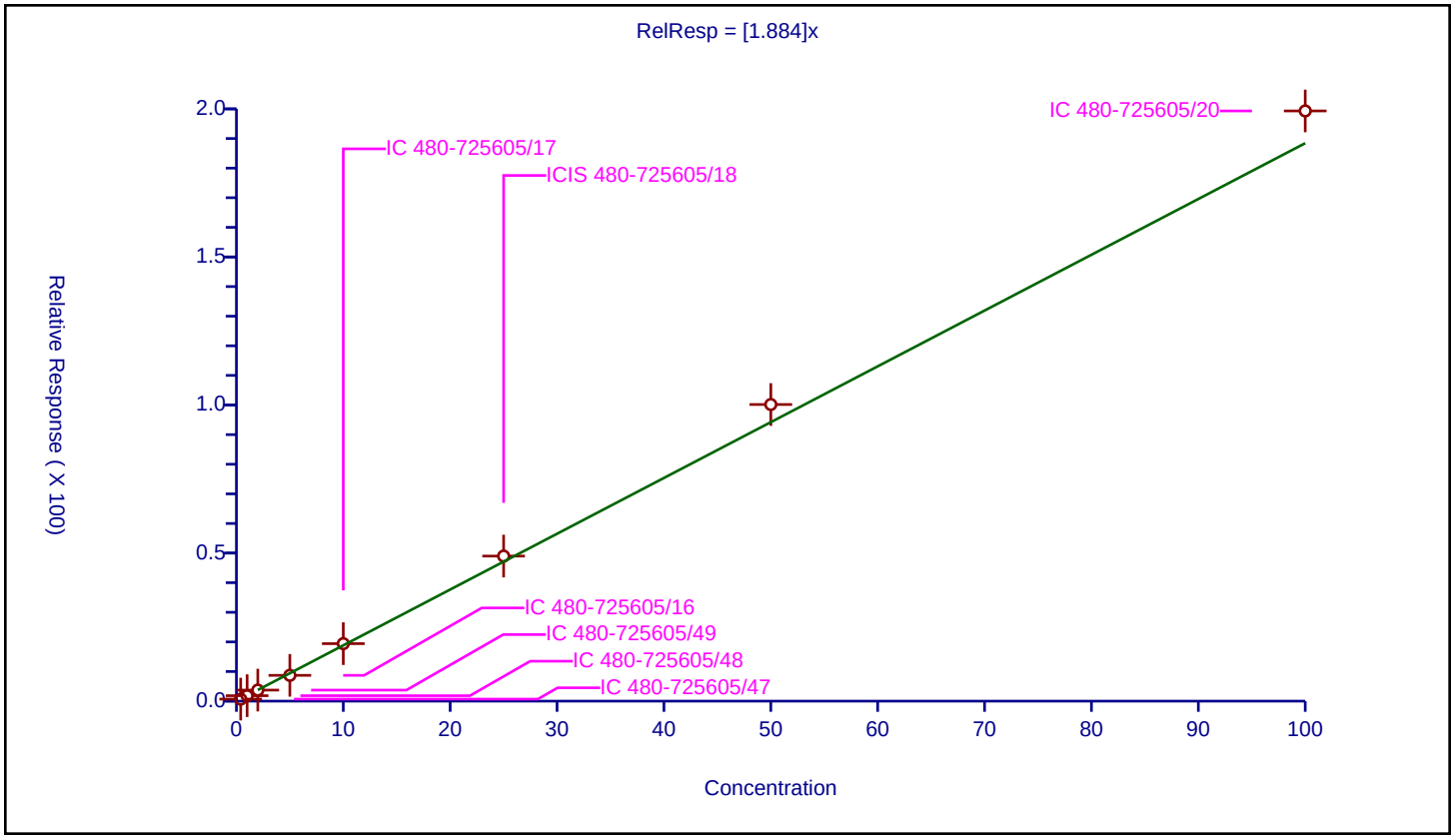
Curve Coefficients

Intercept:	0
Slope:	1.884

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.690395	25.0	433411.0	1.725989	Y
2	IC 480-725605/48	1.0	1.841938	25.0	422897.0	1.841938	Y
3	IC 480-725605/49	2.0	3.730404	25.0	431468.0	1.865202	Y
4	IC 480-725605/16	5.0	8.71394	25.0	406653.0	1.742788	Y
5	IC 480-725605/17	10.0	19.41585	25.0	385372.0	1.941585	Y
6	ICIS 480-725605/18	25.0	48.98463	25.0	363759.0	1.959385	Y
7	IC 480-725605/19	50.0	100.170498	25.0	365986.0	2.00341	Y
8	IC 480-725605/20	100.0	199.311816	25.0	362948.0	1.993118	Y



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Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

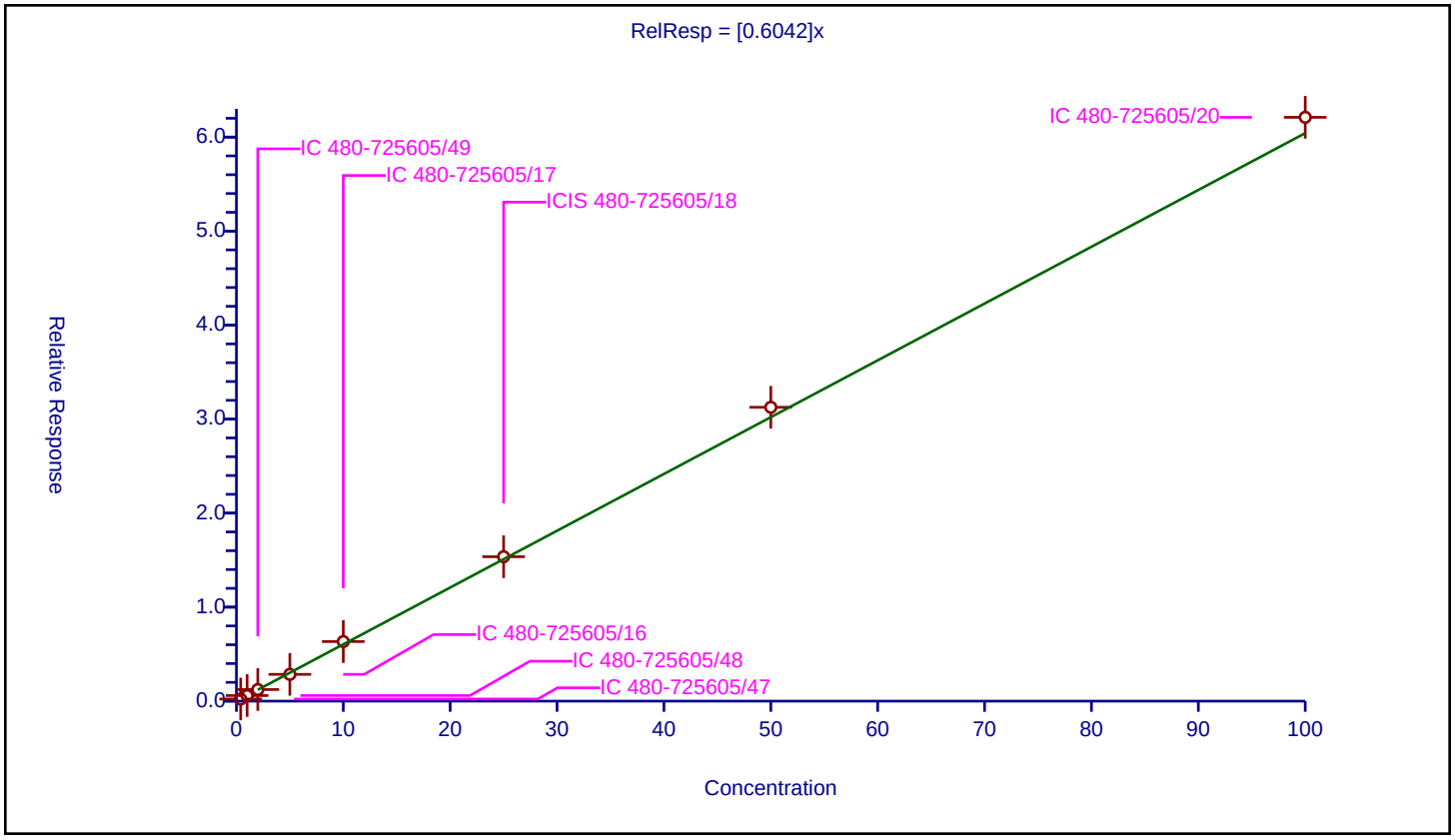
Curve Coefficients

Intercept:	0
Slope:	0.6042

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.223979	25.0	433411.0	0.559948	Y
2	IC 480-725605/48	1.0	0.592993	25.0	422897.0	0.592993	Y
3	IC 480-725605/49	2.0	1.232594	25.0	431468.0	0.616297	Y
4	IC 480-725605/16	5.0	2.849481	25.0	406653.0	0.569896	Y
5	IC 480-725605/17	10.0	6.334983	25.0	385372.0	0.633498	Y
6	ICIS 480-725605/18	25.0	15.36285	25.0	363759.0	0.614514	Y
7	IC 480-725605/19	50.0	31.260349	25.0	365986.0	0.625207	Y
8	IC 480-725605/20	100.0	62.103662	25.0	362948.0	0.621037	Y



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Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

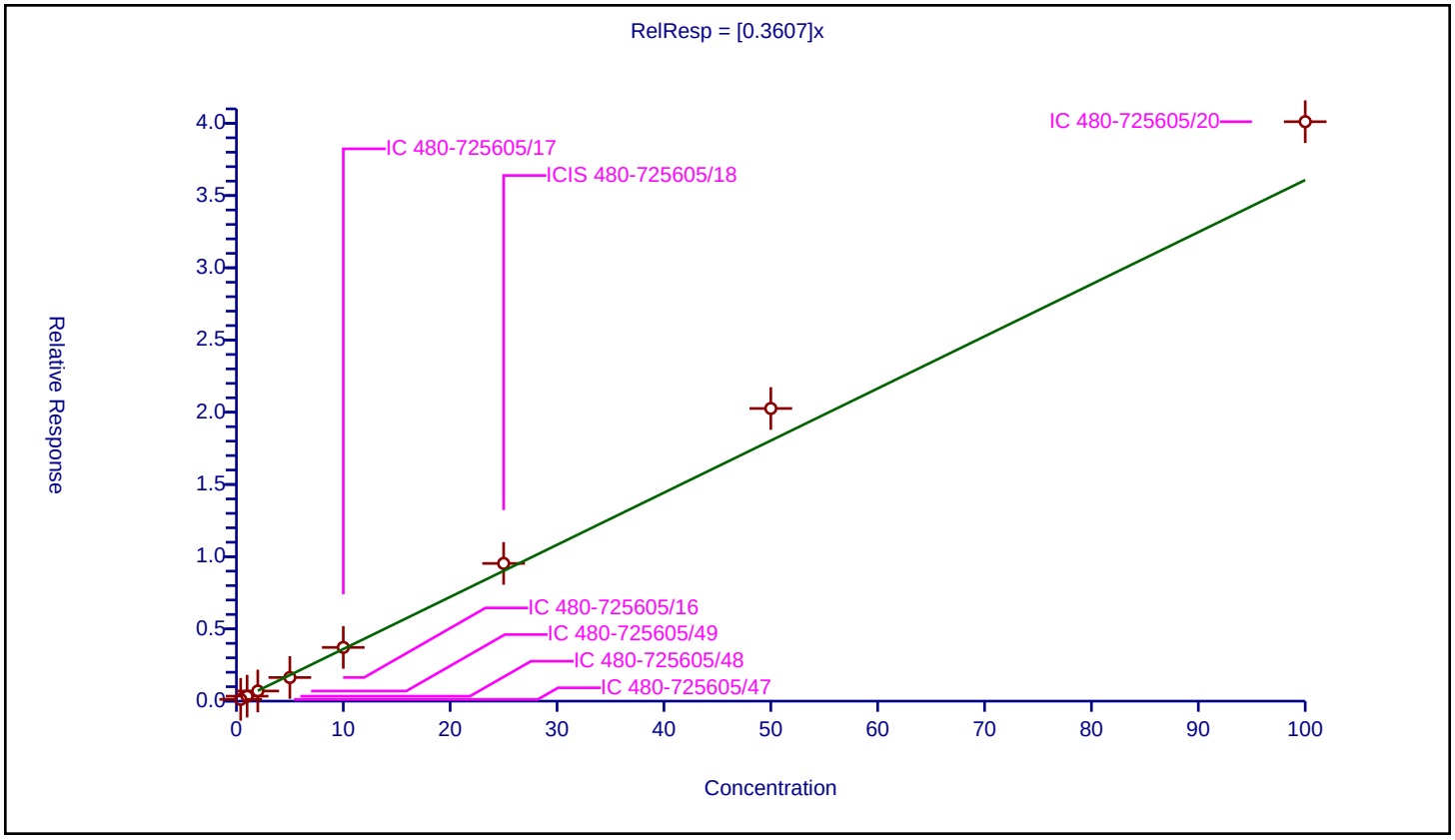
Curve Coefficients

Intercept:	0
Slope:	0.3607

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.122113	25.0	433411.0	0.305282	Y
2	IC 480-725605/48	1.0	0.343346	25.0	422897.0	0.343346	Y
3	IC 480-725605/49	2.0	0.700921	25.0	431468.0	0.350461	Y
4	IC 480-725605/16	5.0	1.636223	25.0	406653.0	0.327245	Y
5	IC 480-725605/17	10.0	3.718874	25.0	385372.0	0.371887	Y
6	ICIS 480-725605/18	25.0	9.533441	25.0	363759.0	0.381338	Y
7	IC 480-725605/19	50.0	20.261294	25.0	365986.0	0.405226	Y
8	IC 480-725605/20	100.0	40.113322	25.0	362948.0	0.401133	Y



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Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

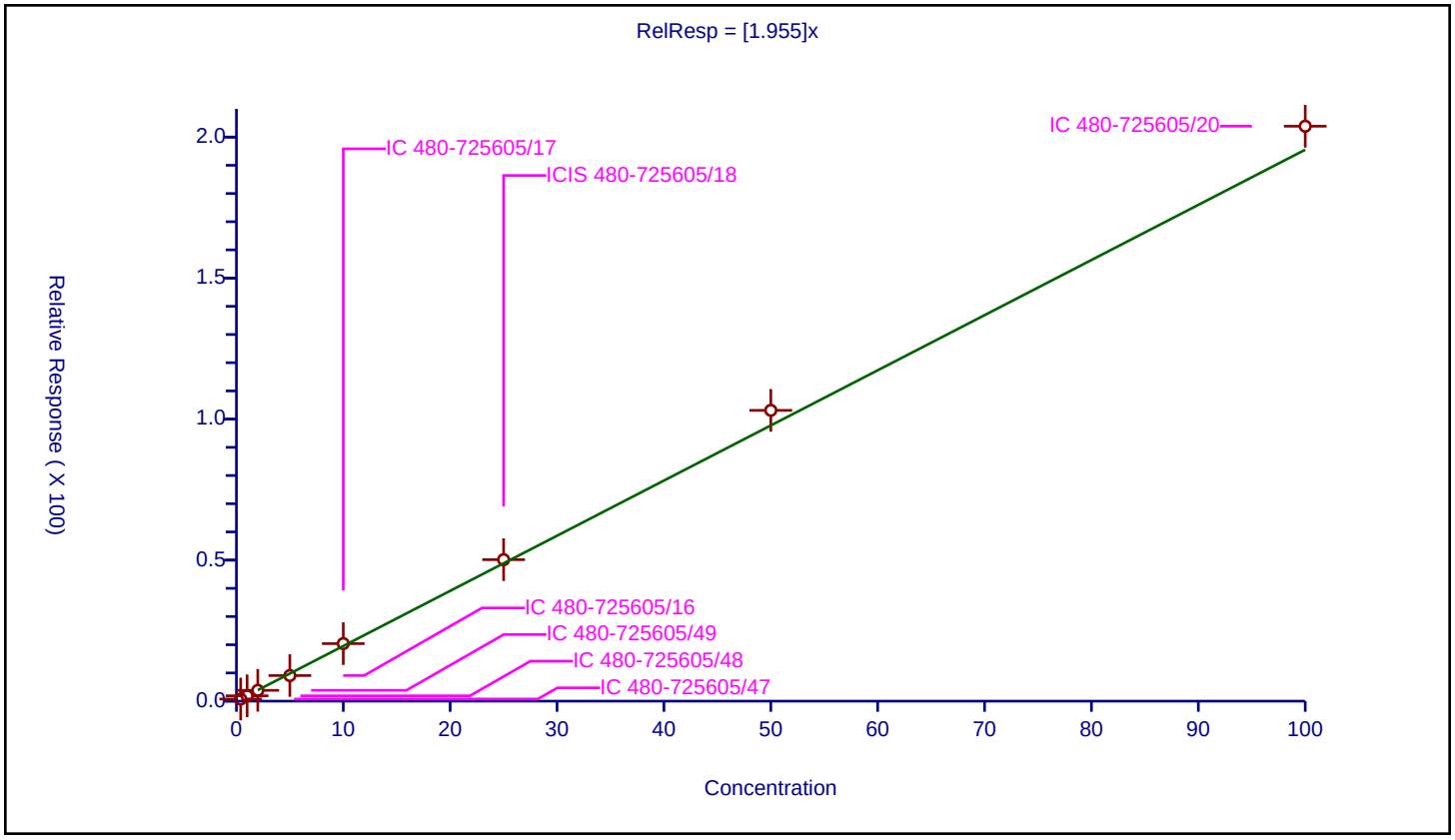
Curve Coefficients

Intercept:	0
Slope:	1.955

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.746693	25.0	433411.0	1.866733	Y
2	IC 480-725605/48	1.0	1.897743	25.0	422897.0	1.897743	Y
3	IC 480-725605/49	2.0	3.830585	25.0	431468.0	1.915293	Y
4	IC 480-725605/16	5.0	9.074998	25.0	406653.0	1.815	Y
5	IC 480-725605/17	10.0	20.393801	25.0	385372.0	2.03938	Y
6	ICIS 480-725605/18	25.0	50.161302	25.0	363759.0	2.006452	Y
7	IC 480-725605/19	50.0	103.105857	25.0	365986.0	2.062117	Y
8	IC 480-725605/20	100.0	203.854616	25.0	362948.0	2.038546	Y



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Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

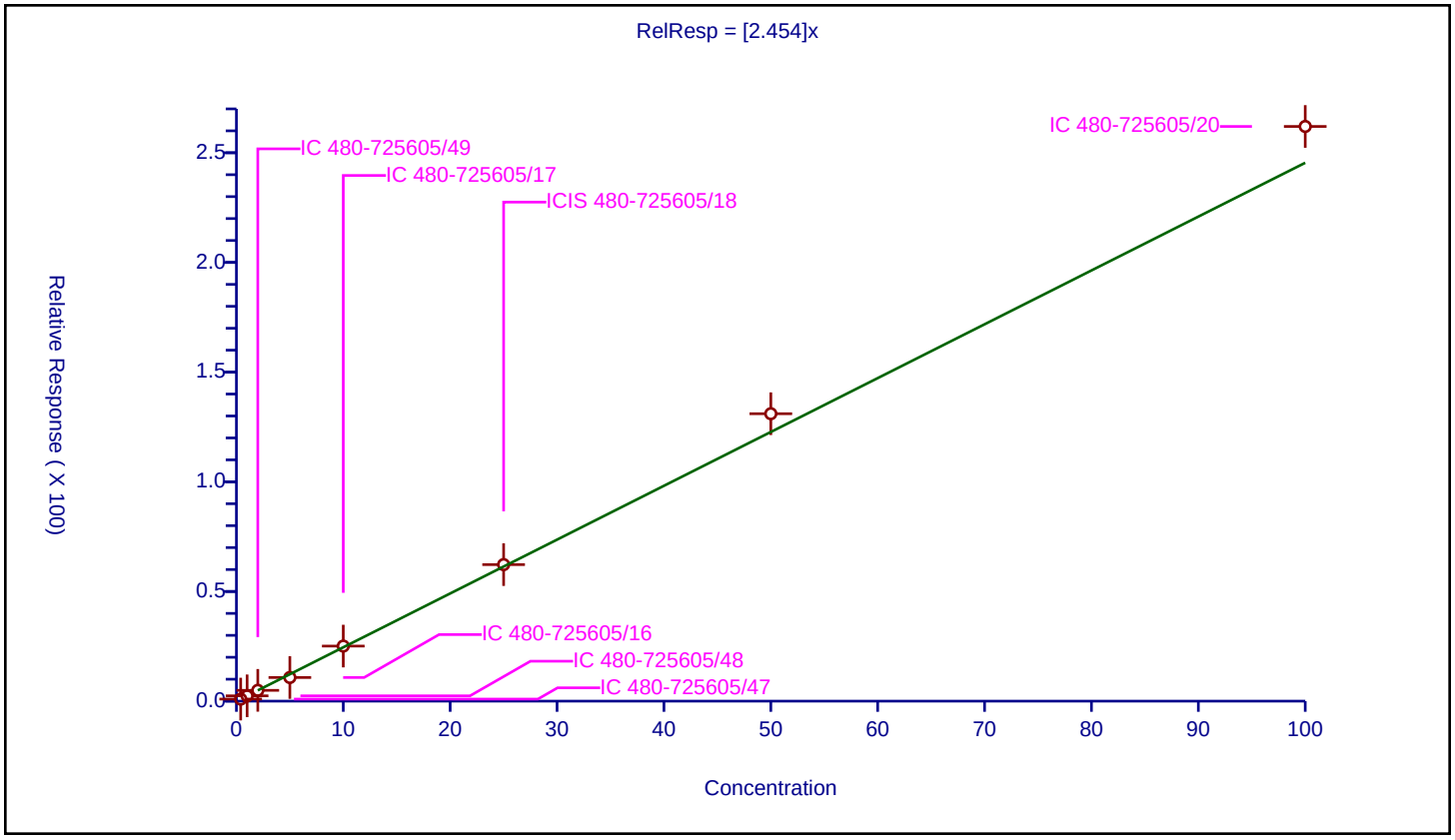
Curve Coefficients

Intercept:	0
Slope:	2.454

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.943216	25.0	433411.0	2.358039	Y
2	IC 480-725605/48	1.0	2.418792	25.0	422897.0	2.418792	Y
3	IC 480-725605/49	2.0	4.921802	25.0	431468.0	2.460901	Y
4	IC 480-725605/16	5.0	10.776817	25.0	406653.0	2.155363	Y
5	IC 480-725605/17	10.0	25.107299	25.0	385372.0	2.51073	Y
6	ICIS 480-725605/18	25.0	62.241278	25.0	363759.0	2.489651	Y
7	IC 480-725605/19	50.0	131.036843	25.0	365986.0	2.620737	Y
8	IC 480-725605/20	100.0	261.989183	25.0	362948.0	2.619892	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

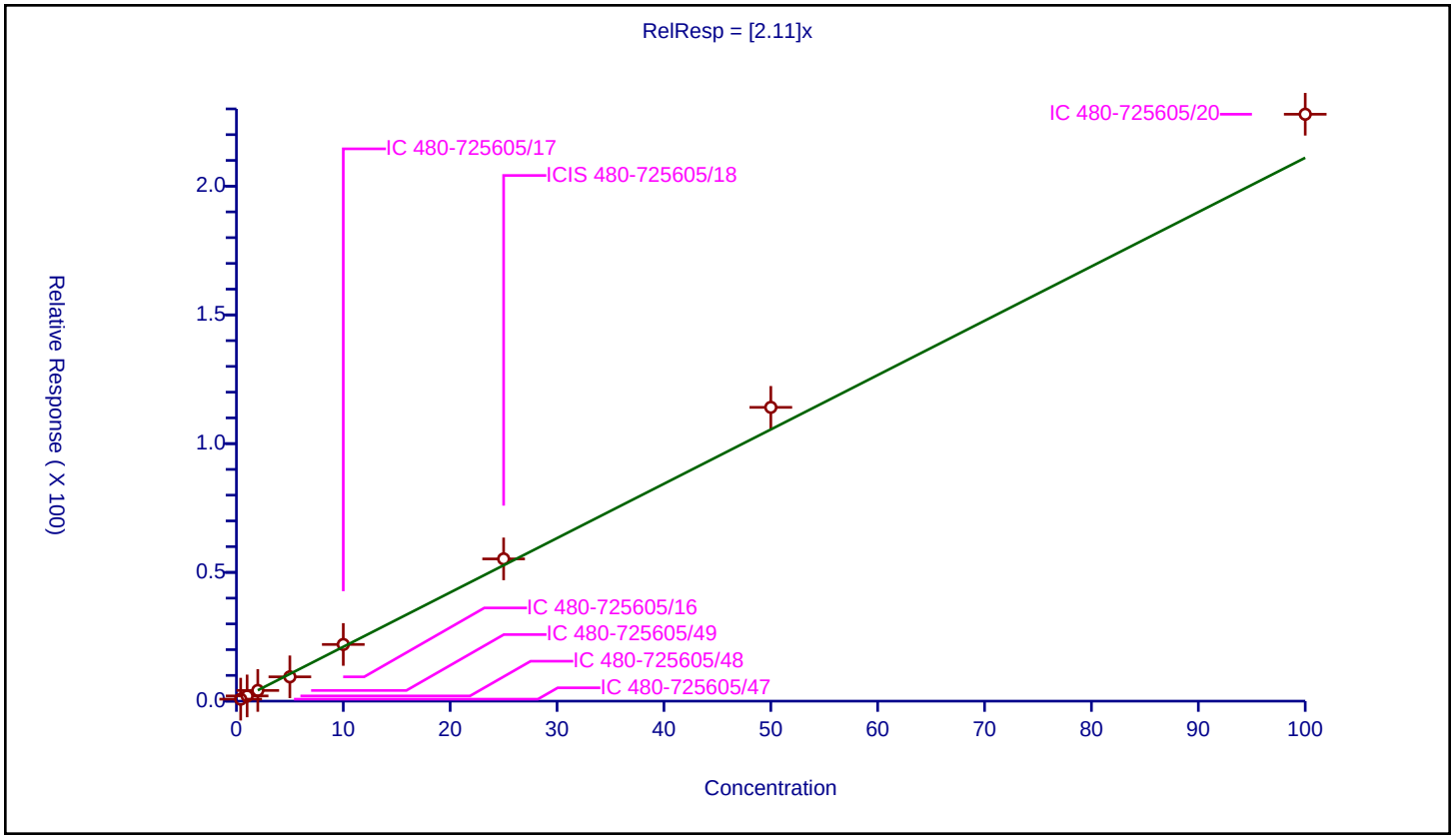
Curve Coefficients

Intercept:	0
Slope:	2.11

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.768093	25.0	433411.0	1.920233	Y
2	IC 480-725605/48	1.0	2.022242	25.0	422897.0	2.022242	Y
3	IC 480-725605/49	2.0	4.157087	25.0	431468.0	2.078543	Y
4	IC 480-725605/16	5.0	9.443125	25.0	406653.0	1.888625	Y
5	IC 480-725605/17	10.0	22.013989	25.0	385372.0	2.201399	Y
6	ICIS 480-725605/18	25.0	55.242963	25.0	363759.0	2.209719	Y
7	IC 480-725605/19	50.0	114.089337	25.0	365986.0	2.281787	Y
8	IC 480-725605/20	100.0	227.919771	25.0	362948.0	2.279198	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

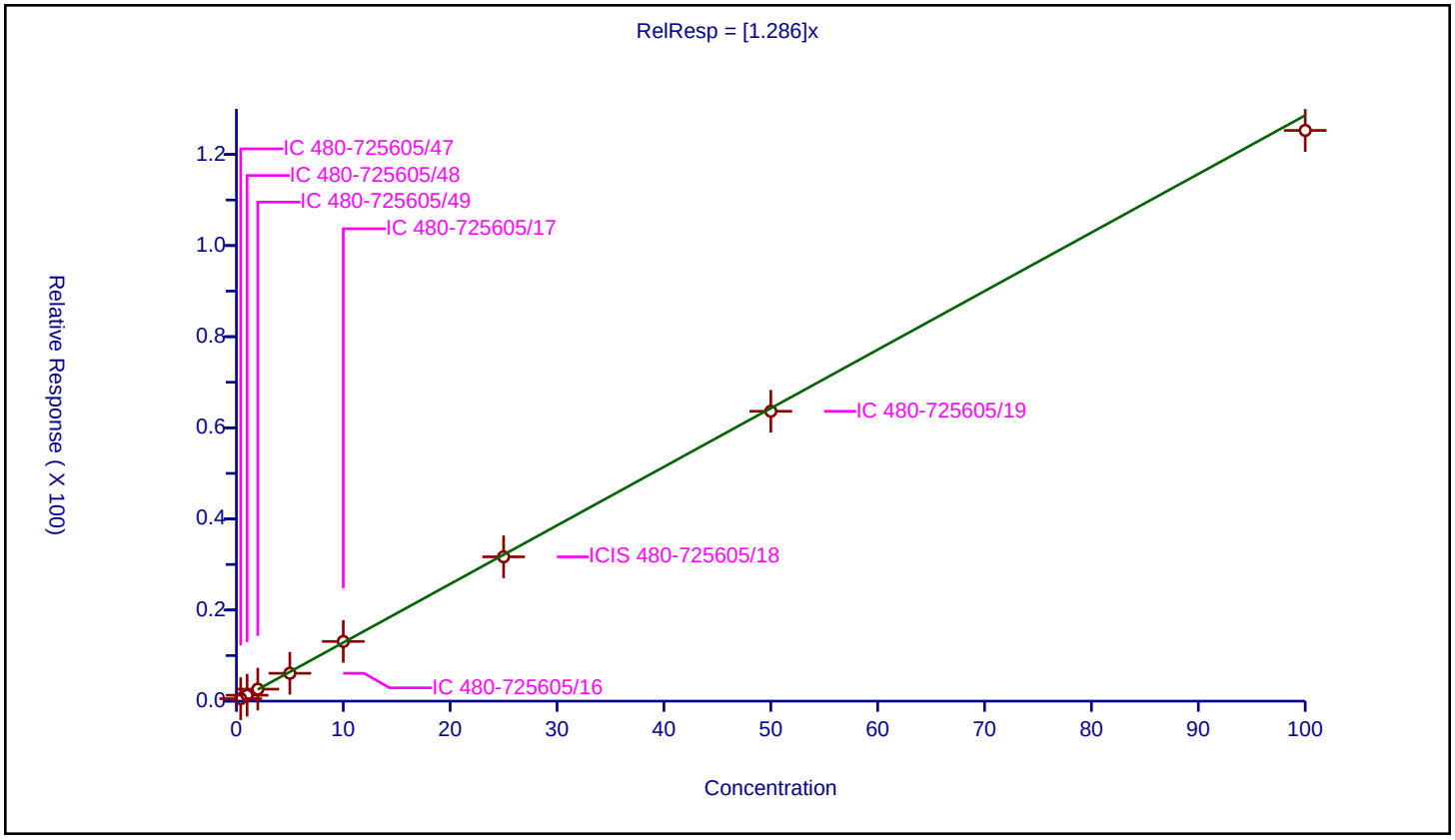
Curve Coefficients

Intercept:	0
Slope:	1.286

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.538692	25.0	433411.0	1.34673	Y
2	IC 480-725605/48	1.0	1.295883	25.0	422897.0	1.295883	Y
3	IC 480-725605/49	2.0	2.634958	25.0	431468.0	1.317479	Y
4	IC 480-725605/16	5.0	6.113873	25.0	406653.0	1.222775	Y
5	IC 480-725605/17	10.0	13.104611	25.0	385372.0	1.310461	Y
6	ICIS 480-725605/18	25.0	31.679079	25.0	363759.0	1.267163	Y
7	IC 480-725605/19	50.0	63.625111	25.0	365986.0	1.272502	Y
8	IC 480-725605/20	100.0	125.273111	25.0	362948.0	1.252731	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

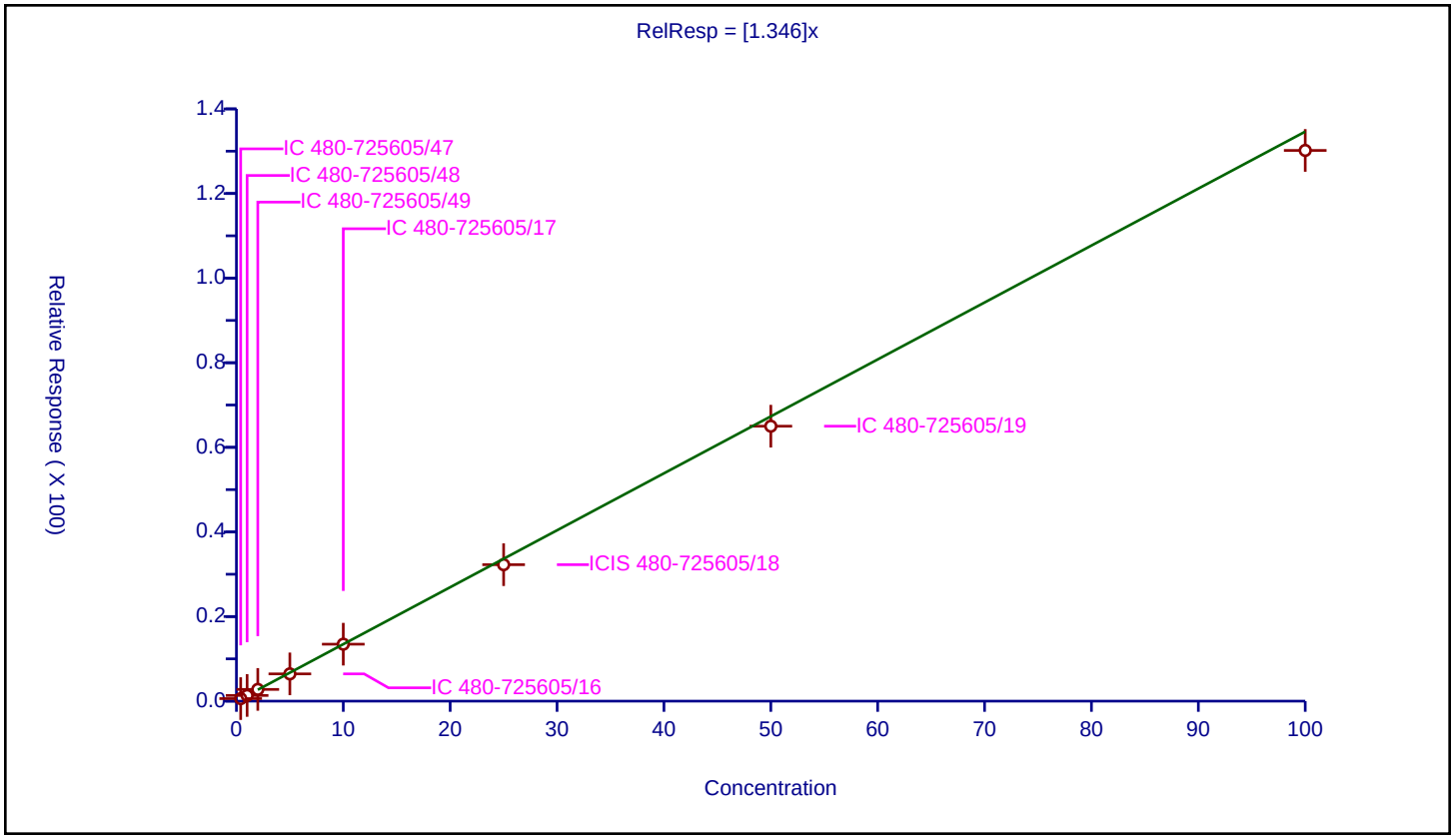
Curve Coefficients

Intercept:	0
Slope:	1.346

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.60393	25.0	433411.0	1.509826	Y
2	IC 480-725605/48	1.0	1.347137	25.0	422897.0	1.347137	Y
3	IC 480-725605/49	2.0	2.770889	25.0	431468.0	1.385445	Y
4	IC 480-725605/16	5.0	6.443823	25.0	406653.0	1.288765	Y
5	IC 480-725605/17	10.0	13.466599	25.0	385372.0	1.34666	Y
6	ICIS 480-725605/18	25.0	32.257965	25.0	363759.0	1.290319	Y
7	IC 480-725605/19	50.0	64.995587	25.0	365986.0	1.299912	Y
8	IC 480-725605/20	100.0	130.181252	25.0	362948.0	1.301813	Y



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Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

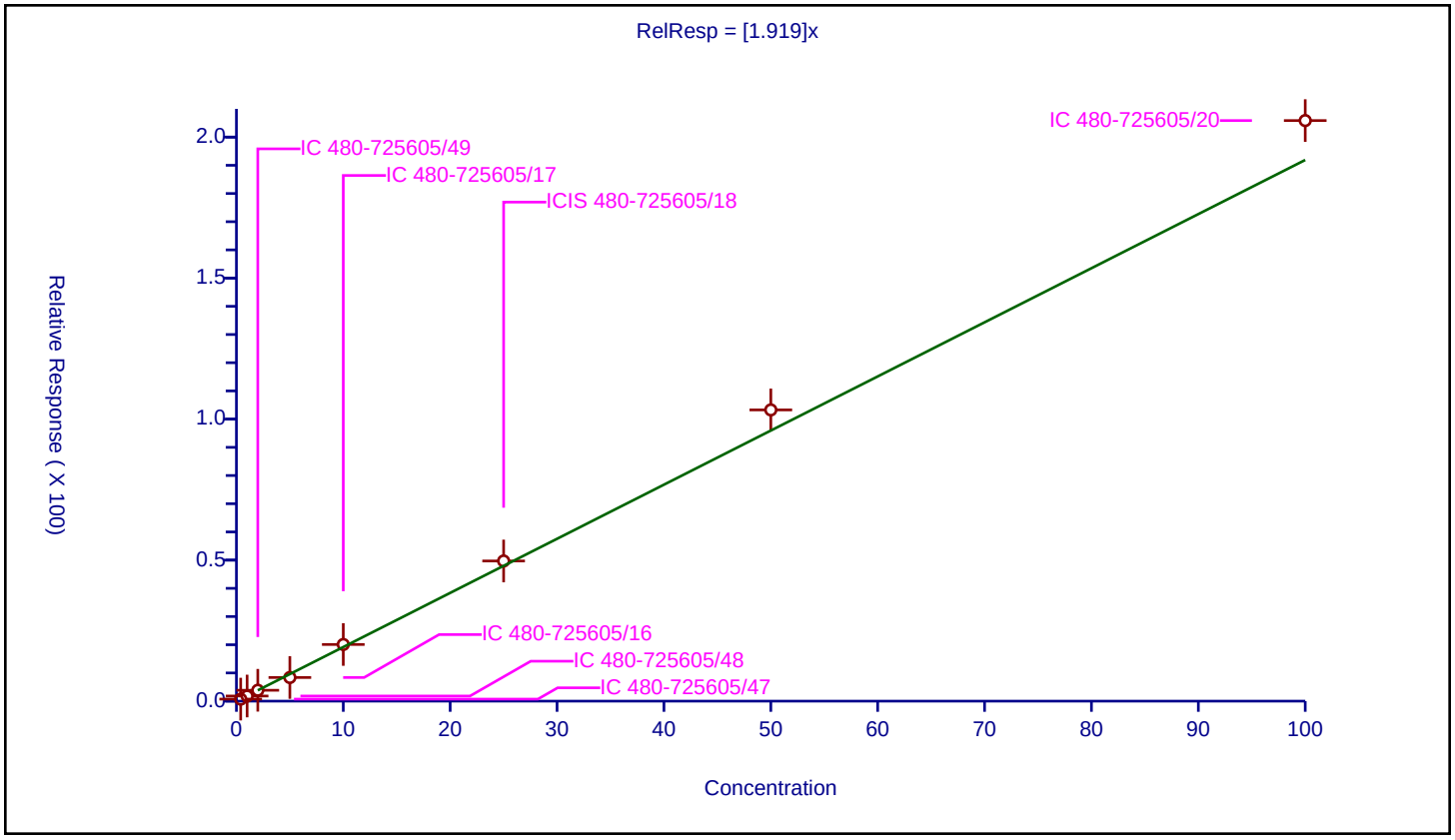
Curve Coefficients

Intercept:	0
Slope:	1.919

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.720563	25.0	433411.0	1.801408	Y
2	IC 480-725605/48	1.0	1.821661	25.0	422897.0	1.821661	Y
3	IC 480-725605/49	2.0	3.861294	25.0	431468.0	1.930647	Y
4	IC 480-725605/16	5.0	8.379318	25.0	406653.0	1.675864	Y
5	IC 480-725605/17	10.0	20.093442	25.0	385372.0	2.009344	Y
6	ICIS 480-725605/18	25.0	49.700145	25.0	363759.0	1.988006	Y
7	IC 480-725605/19	50.0	103.265699	25.0	365986.0	2.065314	Y
8	IC 480-725605/20	100.0	205.853524	25.0	362948.0	2.058535	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

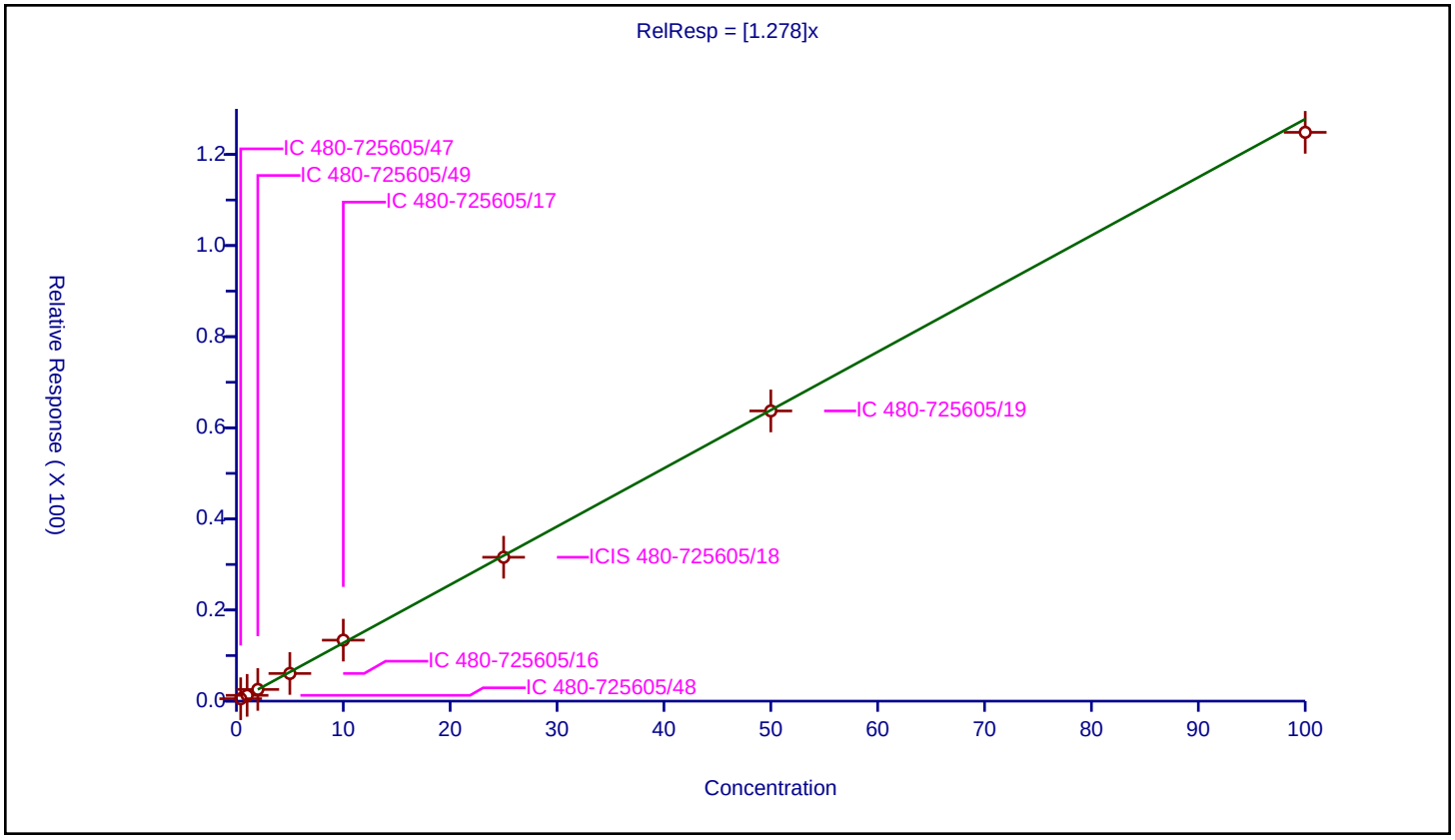
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.530328	25.0	433411.0	1.32582	Y
2	IC 480-725605/48	1.0	1.271172	25.0	422897.0	1.271172	Y
3	IC 480-725605/49	2.0	2.57128	25.0	431468.0	1.28564	Y
4	IC 480-725605/16	5.0	6.070163	25.0	406653.0	1.214033	Y
5	IC 480-725605/17	10.0	13.386027	25.0	385372.0	1.338603	Y
6	ICIS 480-725605/18	25.0	31.586229	25.0	363759.0	1.263449	Y
7	IC 480-725605/19	50.0	63.70148	25.0	365986.0	1.27403	Y
8	IC 480-725605/20	100.0	124.853905	25.0	362948.0	1.248539	Y



10/4/2024
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Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

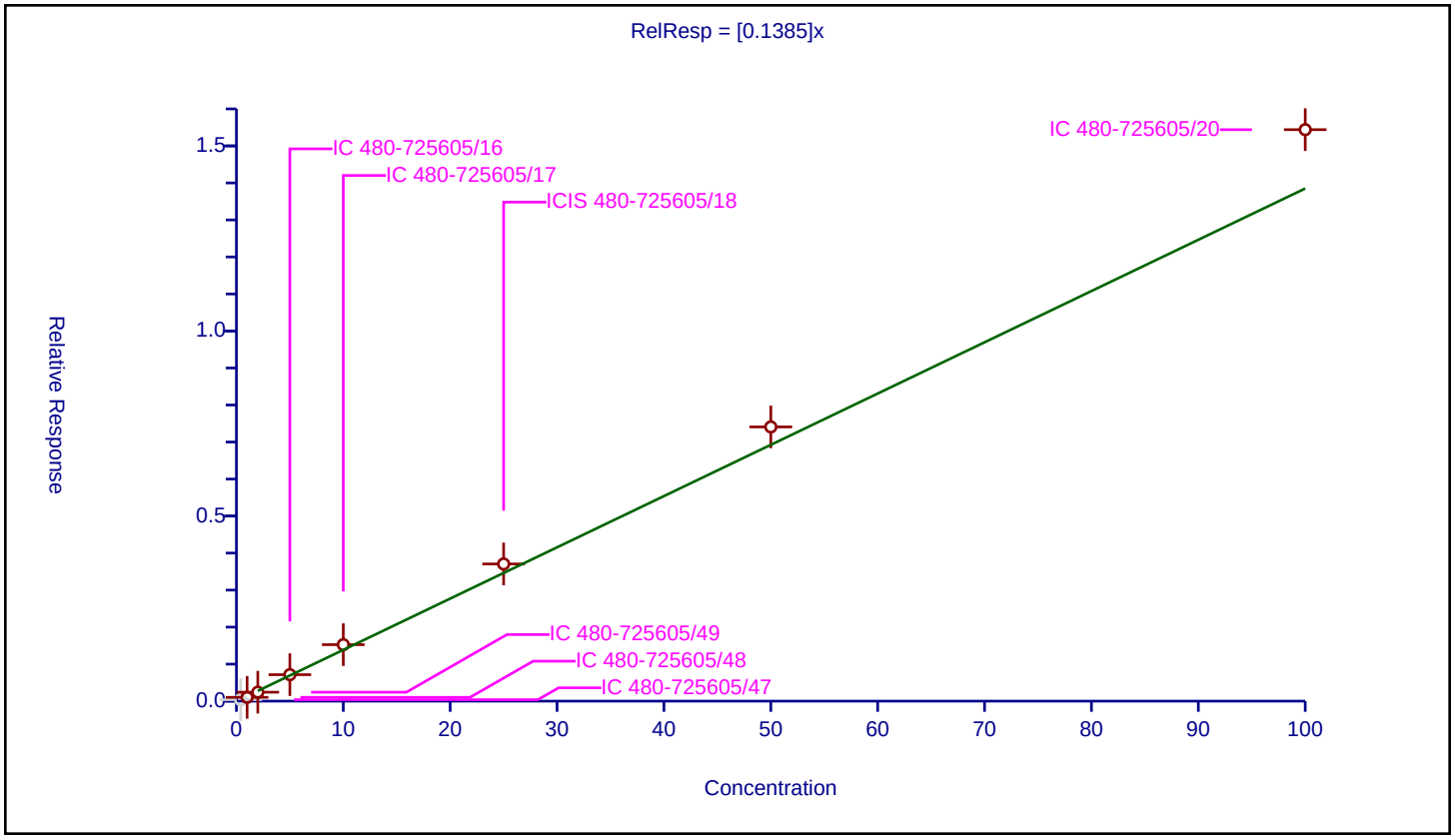
Curve Coefficients

Intercept:	0
Slope:	0.1385

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.039397	25.0	433411.0	0.098492	N
2	IC 480-725605/48	1.0	0.102566	25.0	422897.0	0.102566	Y
3	IC 480-725605/49	2.0	0.241153	25.0	431468.0	0.120577	Y
4	IC 480-725605/16	5.0	0.714676	25.0	406653.0	0.142935	Y
5	IC 480-725605/17	10.0	1.525798	25.0	385372.0	0.15258	Y
6	ICIS 480-725605/18	25.0	3.70575	25.0	363759.0	0.14823	Y
7	IC 480-725605/19	50.0	7.407729	25.0	365986.0	0.148155	Y
8	IC 480-725605/20	100.0	15.438575	25.0	362948.0	0.154386	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

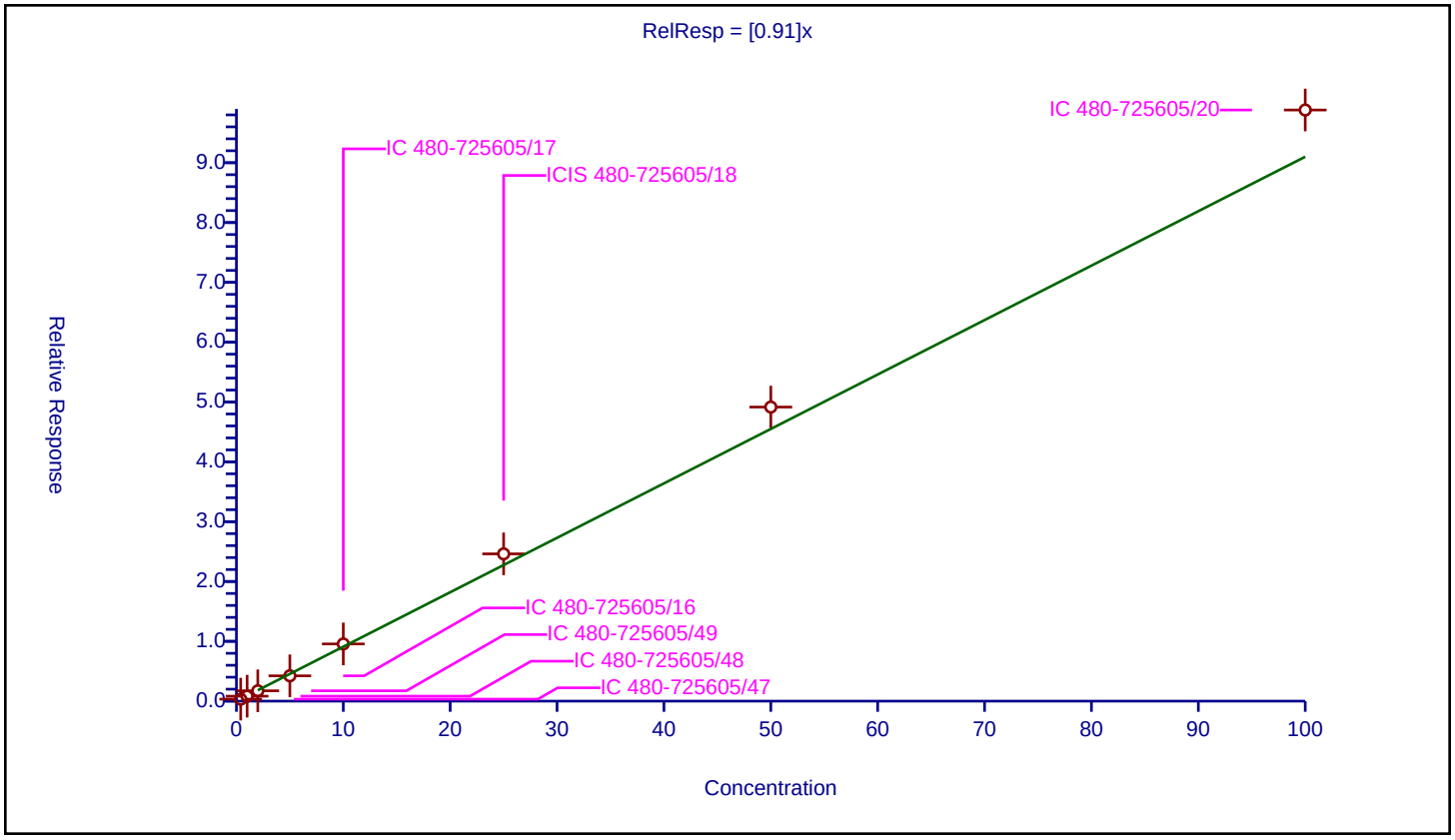
Curve Coefficients

Intercept:	0
Slope:	0.91

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.331671	25.0	433411.0	0.829178	Y
2	IC 480-725605/48	1.0	0.828157	25.0	422897.0	0.828157	Y
3	IC 480-725605/49	2.0	1.72817	25.0	431468.0	0.864085	Y
4	IC 480-725605/16	5.0	4.23297	25.0	406653.0	0.846594	Y
5	IC 480-725605/17	10.0	9.5594	25.0	385372.0	0.95594	Y
6	ICIS 480-725605/18	25.0	24.619666	25.0	363759.0	0.984787	Y
7	IC 480-725605/19	50.0	49.156184	25.0	365986.0	0.983124	Y
8	IC 480-725605/20	100.0	98.81388	25.0	362948.0	0.988139	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

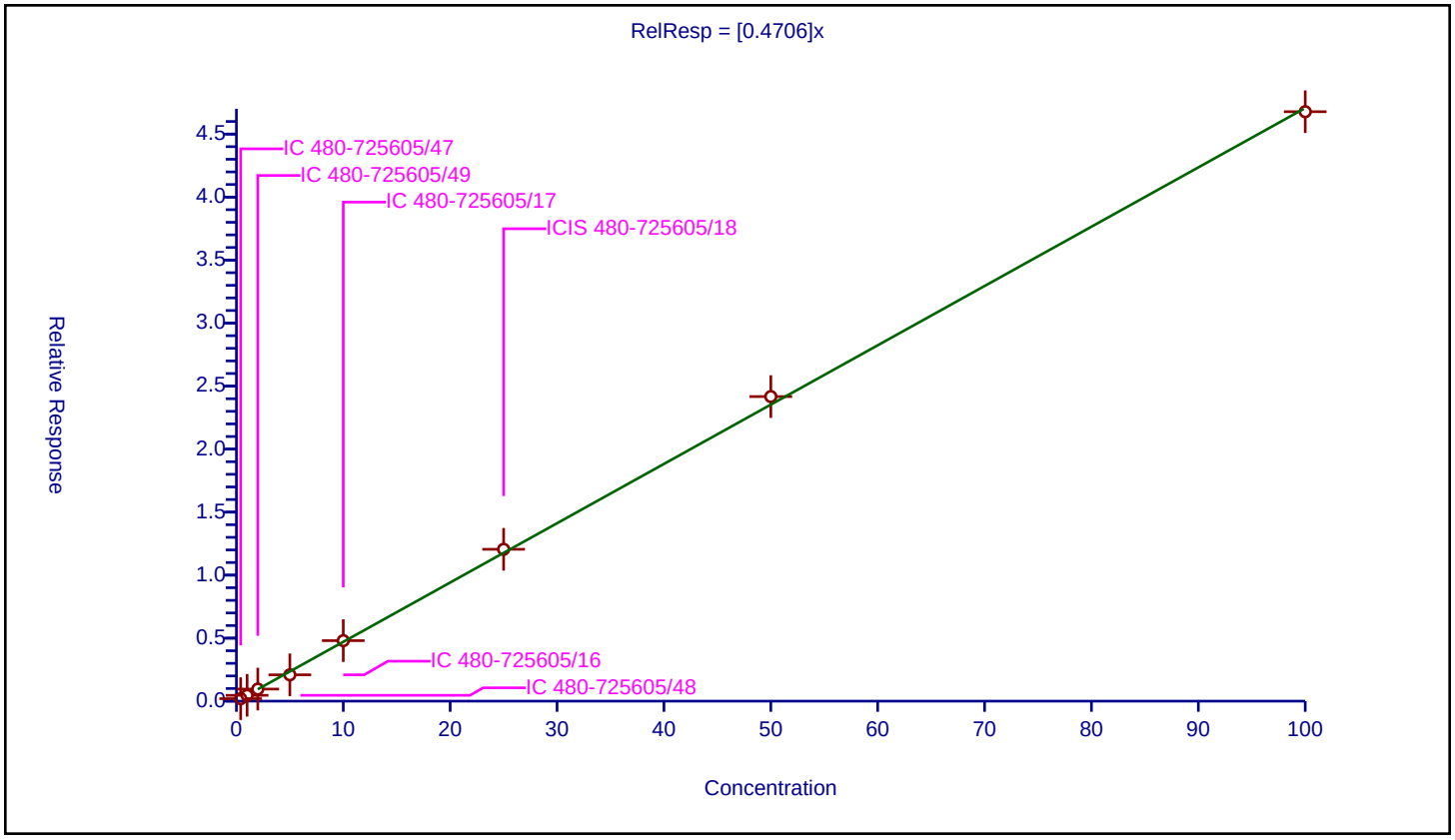
Curve Coefficients

Intercept:	0
Slope:	0.4706

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.197561	25.0	433411.0	0.493902	Y
2	IC 480-725605/48	1.0	0.460928	25.0	422897.0	0.460928	Y
3	IC 480-725605/49	2.0	0.958066	25.0	431468.0	0.479033	Y
4	IC 480-725605/16	5.0	2.089435	25.0	406653.0	0.417887	Y
5	IC 480-725605/17	10.0	4.801205	25.0	385372.0	0.480121	Y
6	ICIS 480-725605/18	25.0	12.051454	25.0	363759.0	0.482058	Y
7	IC 480-725605/19	50.0	24.170187	25.0	365986.0	0.483404	Y
8	IC 480-725605/20	100.0	46.775778	25.0	362948.0	0.467758	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

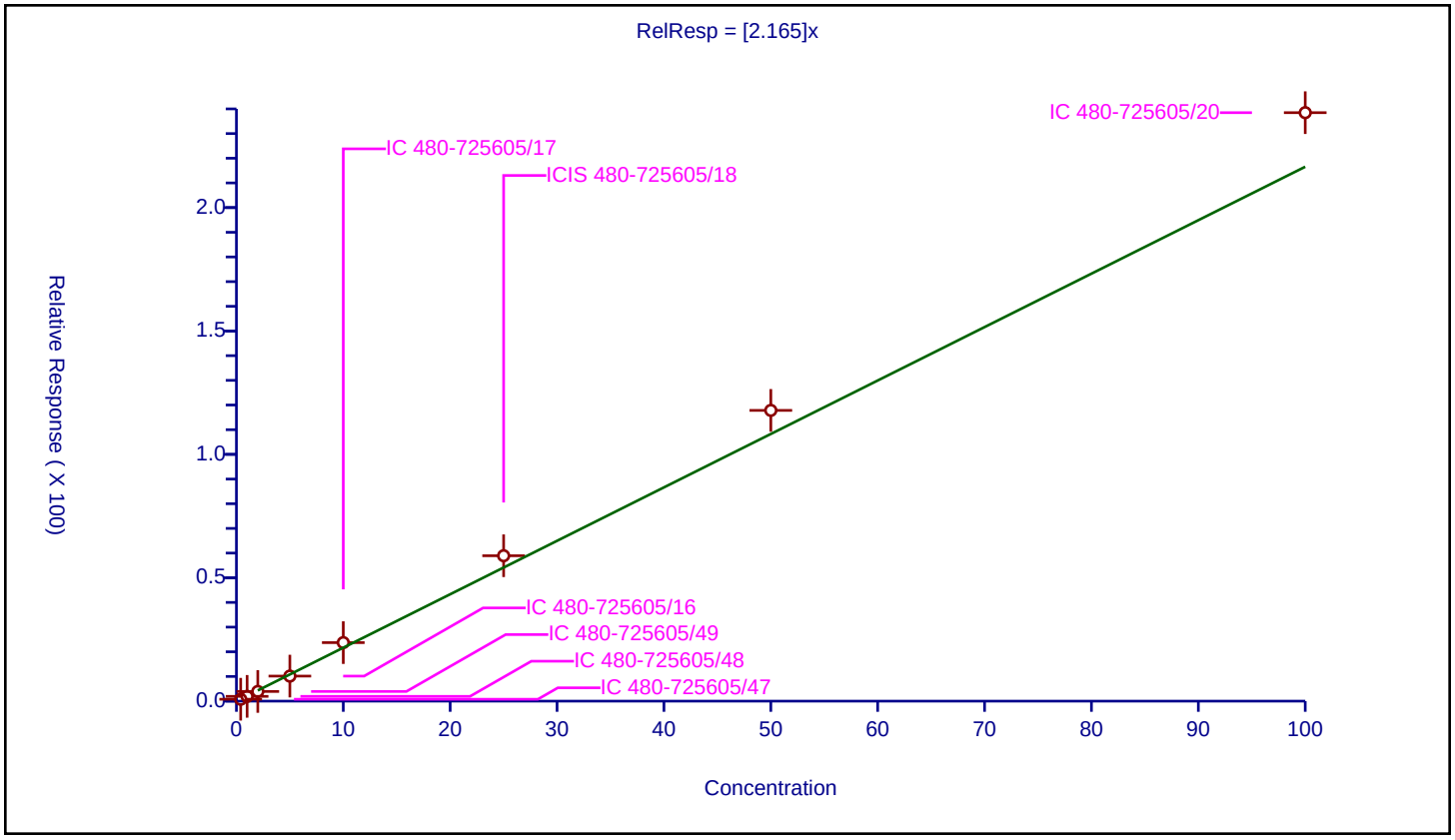
Curve Coefficients

Intercept:	0
Slope:	2.165

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.77115	25.0	433411.0	1.927876	Y
2	IC 480-725605/48	1.0	1.93611	25.0	422897.0	1.93611	Y
3	IC 480-725605/49	2.0	3.9197	25.0	431468.0	1.95985	Y
4	IC 480-725605/16	5.0	10.146181	25.0	406653.0	2.029236	Y
5	IC 480-725605/17	10.0	23.72143	25.0	385372.0	2.372143	Y
6	ICIS 480-725605/18	25.0	58.929332	25.0	363759.0	2.357173	Y
7	IC 480-725605/19	50.0	117.826297	25.0	365986.0	2.356526	Y
8	IC 480-725605/20	100.0	238.472384	25.0	362948.0	2.384724	Y



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Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

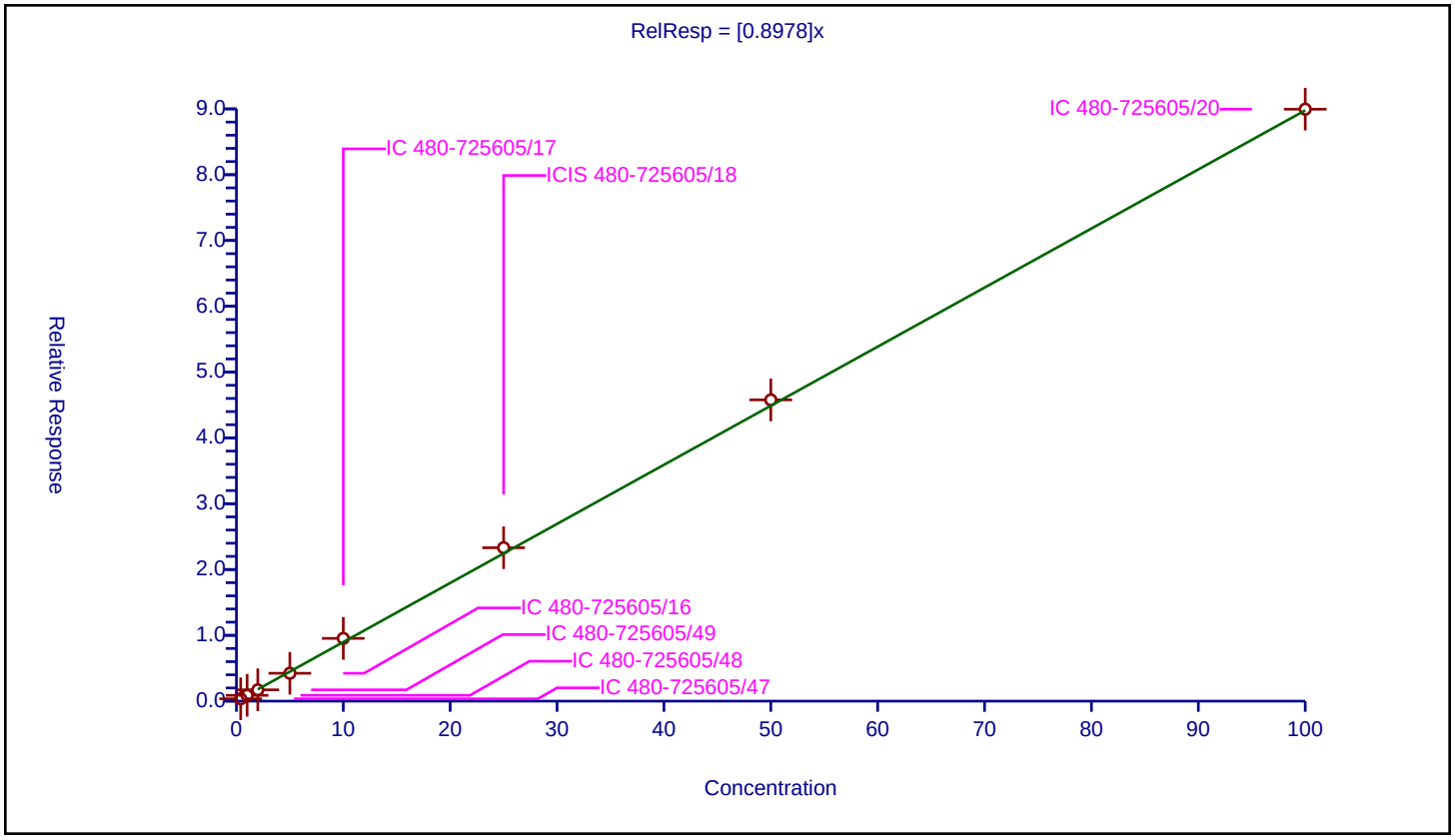
Curve Coefficients

Intercept:	0
Slope:	0.8978

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725605/47	0.4	0.355898	25.0	433411.0	0.889744	Y
2	IC 480-725605/48	1.0	0.884849	25.0	422897.0	0.884849	Y
3	IC 480-725605/49	2.0	1.718146	25.0	431468.0	0.859073	Y
4	IC 480-725605/16	5.0	4.235429	25.0	406653.0	0.847086	Y
5	IC 480-725605/17	10.0	9.539224	25.0	385372.0	0.953922	Y
6	ICIS 480-725605/18	25.0	23.309389	25.0	363759.0	0.932376	Y
7	IC 480-725605/19	50.0	45.781054	25.0	365986.0	0.915621	Y
8	IC 480-725605/20	100.0	89.955448	25.0	362948.0	0.899554	Y



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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 Calibration End Date: 09/17/2024 17:53 Calibration ID: 47299

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-725344/13	K4862.D
Level 2	IC 480-725344/14	K4863.D
Level 3	IC 480-725344/15	K4864.D
Level 4	IC 480-725344/16	K4865.D
Level 5	IC 480-725344/17	K4866.D
Level 6	ICIS 480-725344/18	K4867.D
Level 7	IC 480-725344/19	K4868.D
Level 8	IC 480-725344/20	K4869.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.5183 1.7079	1.5806 1.8942	1.4254 1.9065	1.5682	1.7430	Ave		1.6680			0.1000	10.5		20.0			
Chloromethane	2.1153 1.6920	1.9867 1.8057	1.8659 1.8507	1.7806	1.8198	Ave		1.8646			0.1000	7.0		20.0			
Vinyl chloride	1.3442 1.3727	1.3004 1.4905	1.2650 1.5257	1.3995	1.4780	Ave		1.3970			0.1000	6.7		20.0			
Butadiene	1.4414 1.3965	1.2319 1.4900	1.1088 1.5742	1.2924	1.2919	Ave		1.3534				11.1		20.0			
Bromomethane	1.0761 0.9057	0.9085 0.9025	0.9103 0.9560	0.9755	0.9894	Ave		0.9530			0.1000	6.3		20.0			
Chloroethane	0.9431 0.9368	0.8330 0.9820	0.8293 0.9954	0.9580	0.9131	Ave		0.9238			0.1000	6.8		20.0			
Dichlorofluoromethane	2.5626 2.3370	2.3532 2.3925	2.3533 2.4818	2.3923	2.4405	Ave		2.4141				3.2		20.0			
Trichlorofluoromethane	1.7161 1.9410	1.7304 2.0729	1.6063 2.1601	1.8053	1.9934	Ave		1.8782			0.1000	10.3		20.0			
Ethyl ether	1.3420 1.0350	0.9582 1.0593	0.9993 1.0936	1.0305	0.9711	Ave		1.0611				11.5		20.0			
Acrolein	0.2052 0.1709	0.1780 0.1805	0.1693 0.1935	0.2060	0.1699	Ave		0.1842				8.4		20.0			
1,1-Dichloroethene	+++++ 1.0026	0.6923 1.0483	0.8245 1.1139	0.9182	0.9672	Lin1	-0.548	1.0845			0.1000	7.9			0.9980		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.9464	0.6783 0.9644	0.5671 1.0641	0.8428	0.9082	Lin1	-0.646	1.0255			0.1000	15.1			0.9970		0.9900
Acetone	0.5816 0.5637	0.5601 0.5210	0.5370 0.5745	0.6001	0.5856	Ave		0.5654			0.1000	4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 Calibration End Date: 09/17/2024 17:53 Calibration ID: 47299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.6006 1.7285	1.6416 1.7935	1.4916 1.8784	1.7371	1.7183	Ave		1.6987				7.0		20.0			
Carbon disulfide	2.4297 2.8064	2.2764 2.9522	2.2909 3.0510	2.7365	2.7473	Ave		2.6613			0.1000	11.1		20.0			
Allyl chloride	1.7019 1.6544	1.4834 1.7635	1.3956 1.8569	1.6453	1.6738	Ave		1.6468				8.9		20.0			
Methyl acetate	1.2372 1.2595	1.1594 1.2857	1.2258 1.2619	1.2294	1.1338	Ave		1.2241			0.1000	4.3		20.0			
Methylene Chloride	1.8804 1.0778	1.3277 1.1000	1.1915 1.1414	1.1611	1.1158	Lin1	0.2472	1.1144			0.1000	6.2			0.9990		0.9900
2-Methyl-2-propanol	0.3034 0.2660	0.2493 0.2836	0.2714 0.3063	0.2661	0.2666	Ave		0.2766				7.2		20.0			
Methyl tert-butyl ether	3.3848 3.2997	3.2542 3.4561	3.1777 3.5193	3.6482	3.3031	Ave		3.3804			0.1000	4.6		20.0			
trans-1,2-Dichloroethene	0.9373 1.0894	0.8499 1.1488	0.8760 1.1920	1.0735	1.0712	Ave		1.0297			0.1000	12.3		20.0			
Acrylonitrile	0.7698 0.6673	0.7287 0.6892	0.7127 0.7537	0.7801	0.7404	Ave		0.7302				5.3		20.0			
Hexane	1.3442 1.5932	1.1883 1.8120	1.2005 +++++	1.4839	1.6278	Ave		1.4642				15.9		20.0			
1,1-Dichloroethane	2.0443 2.0890	1.7717 2.1860	1.9161 2.2766	2.1505	2.1423	Ave		2.0721			0.2000	7.8		20.0			
Vinyl acetate	2.5262 2.4673	2.1878 2.6879	2.2916 2.8523	2.5503	2.4787	Ave		2.5053				8.3		20.0			
2,2-Dichloropropane	0.9427 0.9640	0.9067 1.0210	0.8352 1.0461	0.9832	0.9640	Ave		0.9579				6.9		20.0			
cis-1,2-Dichloroethene	1.1504 1.1805	1.0786 1.2278	1.0327 1.2822	1.2092	1.2202	Ave		1.1727			0.1000	7.0		20.0			
2-Butanone (MEK)	1.0914 0.8854	0.9050 0.8963	0.9019 0.9879	0.9909	0.9593	Ave		0.9522			0.1000	7.4		20.0			
Chlorobromomethane	0.7205 0.5888	0.5851 0.6182	0.5774 0.6473	0.6417	0.5975	Ave		0.6221				7.6		20.0			
Tetrahydrofuran	+++++ 0.5436	0.7641 0.5797	0.5858 0.6222	0.6911	0.6349	Ave		0.6316				11.9		20.0			
Chloroform	+++++ 1.9835	2.1340 2.0659	2.0965 2.1515	2.1773	2.0667	Ave		2.0965			0.2000	3.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 Calibration End Date: 09/17/2024 17:53 Calibration ID: 47299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 1.6856	1.3259 1.8524	1.3065 1.9336	1.6542	1.6575	Lin1	-0.946	1.8836			0.1000	10.9			0.9980		0.9900
Cyclohexane	+++++ 2.0557	1.4475 2.2759	1.3994 2.3753	1.8698	1.8837	Lin1	-1.532	2.3102			0.1000	15.1			0.9970		0.9900
Carbon tetrachloride	+++++ 1.3225	0.8207 1.5208	0.9088 +++++	1.2018	1.2714	Lin1	-0.931	1.4629			0.1000	12.0			0.9950		0.9900
1,1-Dichloropropene	1.1529 1.4940	1.1968 1.6258	1.2835 1.6761	1.4317	1.5077	Ave		1.4210				13.6		20.0			
Benzene	3.9399 4.1833	3.6986 4.4570	3.8707 4.5909	4.4021	4.4115	Ave		4.1943			0.5000	7.7		20.0			
Isobutyl alcohol	0.1016 0.0986	0.0893 0.1112	0.0827 0.1213	0.0895	0.0894	Ave		0.0980				13.3		20.0			
1,2-Dichloroethane	1.9110 1.7295	1.7359 1.8204	1.6898 1.9165	1.8625	1.8655	Ave		1.8164			0.1000	4.8		20.0			
n-Heptane	1.1759 1.2884	1.0337 1.4789	0.9693 1.5492	1.1166	1.3414	Ave		1.2442				16.6		20.0			
Trichloroethene	1.0695 1.1259	1.0422 1.2082	1.0191 1.2705	1.1395	1.2107	Ave		1.1357			0.2000	7.9		20.0			
Methylcyclohexane	+++++ 1.8131	1.3195 2.0219	1.2574 2.0907	1.6248	1.8250	Lin1	-1.260	2.0442			0.1000	13.6			0.9980		0.9900
1,2-Dichloropropane	1.0025 1.0950	1.0233 1.2037	1.0696 1.2616	1.2504	1.1667	Ave		1.1341			0.1000	8.9		20.0			
Dibromomethane	0.6950 0.7302	0.8061 0.7761	0.7681 0.8033	0.8164	0.7706	Ave		0.7707			0.1000	5.3		20.0			
1,4-Dioxane	0.0041 0.0051	0.0044 0.0052	0.0046 0.0048	0.0046	0.0046	Ave		0.0047				7.3		20.0			
Bromodichloromethane	1.1853 1.3153	1.1793 1.4510	1.2423 1.5396	1.4217	1.3678	Ave		1.3378			0.2000	9.8		20.0			
2-Chloroethyl vinyl ether	0.9558 0.8580	0.8134 0.9737	0.8540 1.0251	0.9977	0.9625	Ave		0.9300				8.3		20.0			
cis-1,3-Dichloropropene	1.4520 1.5931	1.5138 1.7838	1.5337 1.8792	1.6622	1.6812	Ave		1.6374			0.2000	8.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.5434 0.4873	0.4917 0.5005	0.4863 0.4840	0.5197	0.5052	Ave		0.5023			0.1000	4.1		20.0			
Toluene	0.5708 0.7418	0.6235 0.7617	0.6456 0.7470	0.7445	0.7526	Ave		0.6984			0.4000	10.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 Calibration End Date: 09/17/2024 17:53 Calibration ID: 47299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.3508 0.3900	0.3461 0.4274	0.3519 0.4352	0.4069	0.3840	Ave		0.3865			0.1000	9.1		20.0			
Ethyl methacrylate	0.3928 0.4008	0.3680 0.4453	0.3669 0.4456	0.4042	0.4092	Ave		0.4041				7.4		20.0			
1,1,2-Trichloroethane	0.2112 0.2274	0.2213 0.2306	0.2181 0.2262	0.2436	0.2362	Ave		0.2268			0.1000	4.5		20.0			
Tetrachloroethene	0.2574 0.3273	0.2477 0.3430	0.2813 0.3292	0.3094	0.3287	Ave		0.3030			0.2000	12.0		20.0			
1,3-Dichloropropane	0.4830 0.4604	0.4826 0.4811	0.4848 0.4746	0.5021	0.4827	Ave		0.4814				2.4		20.0			
2-Hexanone	0.3967 0.3608	0.3542 0.3837	0.3617 0.3732	0.3967	0.3911	Ave		0.3773			0.1000	4.5		20.0			
Dibromochloromethane	0.2421 0.2719	0.2331 0.2989	0.2432 0.3129	0.2623	0.2667	Ave		0.2664			0.1000	10.5		20.0			
1,2-Dibromoethane	0.3108 0.2916	0.2933 0.3076	0.2776 0.3064	0.2996	0.2998	Ave		0.2983				3.6		20.0			
Chlorobenzene	0.6802 0.8159	0.7117 0.8521	0.7860 0.8296	0.8402	0.8361	Ave		0.7940			0.5000	8.1		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.2565	0.2024 0.2819	0.2205 0.2931	0.2310	0.2437	Ave		0.2470				13.2		20.0			
Ethylbenzene	1.1698 1.4081	1.1045 1.4768	1.2005 1.4264	1.3920	1.4427	Ave		1.3276			0.1000	10.9		20.0			
m,p-Xylene	0.4445 0.5501	0.4287 0.5705	0.4758 0.5639	0.5230	0.5537	Ave		0.5138			0.1000	11.0		20.0			
o-Xylene	0.4272 0.5388	0.4726 0.5570	0.4500 0.5457	0.5386	0.5394	Ave		0.5086			0.3000	9.9		20.0			
Styrene	0.7488 0.8647	0.6954 0.9244	0.7879 0.9029	0.8573	0.8933	Ave		0.8343			0.3000	9.8		20.0			
Bromoform	+++++ 0.1726	0.1400 0.1975	0.1506 +++++	0.1613	0.1635	Ave		0.1643			0.1000	12.0		20.0			
Isopropylbenzene	1.9383 2.5220	1.9050 2.5775	2.0850 2.5453	2.3837	2.5066	Ave		2.3079			0.1000	12.4		20.0			
Bromobenzene	0.5684 0.6639	0.5730 0.6805	0.5997 0.6747	0.6801	0.6687	Ave		0.6386				7.7		20.0			
1,1,2,2-Tetrachloroethane	0.8448 0.8446	0.8630 0.8442	0.8589 0.8429	0.8984	0.8778	Ave		0.8593			0.3000	2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 Calibration End Date: 09/17/2024 17:53 Calibration ID: 47299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	0.2766 0.2927	0.3028 0.2981	0.3067 0.2954	0.3154	0.2989	Ave		0.2983				3.8		20.0			
trans-1,4-Dichloro-2-butene	0.2945 0.3044	0.3126 0.3338	0.2961 0.3429	0.2876	0.3210	Ave		0.3116				6.3		20.0			
N-Propylbenzene	2.2488 3.2207	2.4696 3.3157	2.5832 3.2026	3.0023	3.2456	Ave		2.9111				14.3		20.0			
2-Chlorotoluene	0.5291 0.6585	0.4983 0.6681	0.5657 0.6605	0.6428	0.6606	Ave		0.6104				11.2		20.0			
1,3,5-Trimethylbenzene	1.8579 2.2840	1.7066 2.3228	1.8846 2.2720	2.1458	2.2352	Ave		2.0886				11.3		20.0			
4-Chlorotoluene	1.9566 2.1872	1.7942 2.2344	1.9452 2.1878	2.1587	2.1980	Ave		2.0828				7.7		20.0			
tert-Butylbenzene	0.3994 0.5073	0.3801 0.5366	0.4140 0.5218	0.4650	0.5134	Ave		0.4672				13.2		20.0			
1,2,4-Trimethylbenzene	1.8539 2.3361	1.8224 2.3731	1.9660 2.3393	2.2113	2.3134	Ave		2.1519				10.8		20.0			
sec-Butylbenzene	+++++ 2.8794	2.0612 2.9756	2.1311 2.8929	2.6489	2.8462	Ave		2.6336				14.5		20.0			
1,3-Dichlorobenzene	0.9659 1.2669	1.0774 1.2937	1.1047 1.2744	1.3032	1.2747	Ave		1.1951			0.6000	10.7		20.0			
4-Isopropyltoluene	+++++ 2.5118	1.8325 2.5936	1.9633 2.5313	2.2798	2.4516	Ave		2.3091				13.0		20.0			
1,4-Dichlorobenzene	1.1205 1.2594	1.1695 1.3099	1.1608 1.2810	1.2999	1.2686	Ave		1.2337			0.5000	5.9		20.0			
n-Butylbenzene	1.5931 2.1480	1.5369 2.2192	1.6542 2.1745	1.9872	2.1018	Ave		1.9269				14.8		20.0			
1,2-Dichlorobenzene	1.1039 1.2369	1.1550 1.2421	1.1248 1.2347	1.2602	1.2474	Ave		1.2006			0.4000	5.2		20.0			
1,2-Dibromo-3-Chloropropane	0.1372 0.1782	0.1509 0.1925	0.1414 0.2078	0.1741	0.1723	Ave		0.1693			0.0500	14.6		20.0			
1,2,4-Trichlorobenzene	0.6438 0.7928	0.6980 0.7919	0.7024 0.7910	0.7972	0.7835	Ave		0.7501			0.2000	7.9		20.0			
Hexachlorobutadiene	0.2076 0.3032	0.2377 0.3121	0.2268 0.3041	0.2813	0.3163	Lin1	-0.062	0.3073				10.2			0.9990		0.9900
Naphthalene	2.8942 2.8900	2.6294 2.8146	2.6526 2.8067	2.9422	2.8688	Ave		2.8123				4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 Calibration End Date: 09/17/2024 17:53 Calibration ID: 47299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.7080 0.8013	0.7042 0.7789	0.7313 0.7662	0.7668	0.7883	Ave		0.7556				4.9		20.0			
Dibromofluoromethane (Surr)	1.3296 1.2661	1.3296 1.2913	1.2553 1.3665	1.3333	1.2686	Ave		1.3050				3.1		20.0			
1,2-Dichloroethane-d4 (Surr)	1.6456 1.5300	1.6329 1.5526	1.6108 1.6299	1.6033	1.4952	Ave		1.5875				3.5		20.0			
Toluene-d8 (Surr)	1.3579 1.3607	1.3351 1.3654	1.3441 1.3394	1.3622	1.3568	Ave		1.3527				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.3779 0.3860	0.3869 0.3890	0.3833 0.3894	0.3844	0.3860	Ave		0.3854				0.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-725344/13	K4862.D
Level 2	IC 480-725344/14	K4863.D
Level 3	IC 480-725344/15	K4864.D
Level 4	IC 480-725344/16	K4865.D
Level 5	IC 480-725344/17	K4866.D
Level 6	ICIS 480-725344/18	K4867.D
Level 7	IC 480-725344/19	K4868.D
Level 8	IC 480-725344/20	K4869.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4168 314778	11300 702203	20653 1356118	54571	130622	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5807 311848	14203 669391	27035 1316430	61961	136380	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3690 253007	9297 552546	18328 1085260	48700	110767	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	3957 257398	8807 552365	16065 1119762	44972	96820	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	2954 166937	6495 334575	13189 679976	33946	74149	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2589 172663	5955 364059	12016 708012	33337	68433	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	7035 430726	16823 886924	34096 1765312	83246	182895	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	4711 357746	12371 768457	23273 1536444	62820	149391	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3684 190767	6850 392708	14479 777907	35860	72777	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	2816 157466	6363 334509	12268 688340	35846	63676	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Lin1	+++++ 184787	4949 388631	11946 792345	31950	72486	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	+++++ 174431	4849 357521	8217 756922	29328	68061	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	7983 519475	20021 965686	38900 2043141	104410	219442	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	4394 318588	11736 664861	21611 1336088	60446	128776	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	6670	16274	33192	95224	205890	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			517250	1094409	2170195			25.0	50.0	100		
Allyl chloride	FB	Ave	4672 304915	10605 653762	20221 1320781	57253	125436	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	6793 464260	16577 953282	35520 1795174	85563	169946	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	5162 198656	9492 407777	17264 811854	40403	83619	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	8329 490220	17822 1051251	39319 2178700	92584	199766	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	9292 608160	23265 1281240	46042 2503273	126950	247541	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	2573 200790	6076 425872	12692 847854	37355	80277	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	21132 1229910	52098 2554793	103267 5361257	271444	554857	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	3690 293641	8495 671720	17394 +++++	51636	121989	0.400 25.0	1.00 50.0	2.00 +++++	5.00	10.0
1,1-Dichloroethane	FB	Ave	5612 385020	12666 810382	27762 1619347	74832	160549	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	13870 909512	31281 1992897	66404 4057661	177489	371517	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	2588 177676	6482 378509	12101 744097	34214	72245	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3158 217581	7711 455145	14963 912061	42079	91442	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	14980 815931	32348 1661310	65338 3513515	172401	359466	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1978 108517	4183 229174	8366 460439	22329	44776	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 200400	10925 429805	16974 885141	48099	95163	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 365577	15256 765849	30376 1530332	75766	154884	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Lin1	+++++ 310667	9479 686710	18929 1375388	57563	124214	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Lin1	+++++ 378887	10348 843721	20276 1689550	65064	141172	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Lin1	+++++ 243757	5867 563798	13168 +++++	41821	95280	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
1,1-Dichloropropene	FB	Ave	3165 275351	8556 602706	18597 1192175	49819	112990	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	10816 771017	26442 1652284	56082 3265538	153186	330610	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6970 454253	15969 1030895	29962 2156199	77903	167457	10.0 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	5246 318768	12410 674841	24483 1363190	64810	139805	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	3228 237474	7390 548254	14044 1101954	38857	100526	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	2936 207509	7451 447886	14766 903732	39653	90736	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Lin1	+++++ 334172	9433 749534	18219 1487123	56541	136769	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	2752 201827	7316 446213	15497 897357	43510	87436	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	1908 134582	5763 287700	11129 571366	28408	57751	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Ave	850 66850	2409 145269	4971 273804	12053	25944	8.00 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	3254 242429	8431 537923	17999 1095107	49473	102509	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2624 158129	5815 360969	12374 729145	34718	72132	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	3986 293621	10822 661279	22221 1336661	57840	125992	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	27927 1597626	66713 3512036	132669 6919743	341160	709649	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	5867 486352	16917 1069084	35226 2135763	97752	211412	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	3606 255688	9392 599878	19200 1244317	53432	107878	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	4037 262769	9984 624962	20022 1273964	53073	114966	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	2171 149109	6005 323717	11902 646737	31978	66347	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	2646	6720	15351	40629	92340	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			214590	481471	941288			25.0	50.0	100		
1,3-Dichloropropane	CBNZd5	Ave	4964 301839	13095 675226	26455 1356891	65925	135594	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	20387 1182802	48059 2692397	98689 5335063	260399	549398	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	2488 178257	6326 419477	13273 894759	34436	74907	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	3194 191181	7958 431709	15145 876061	39335	84208	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	6991 534951	19312 1195897	42888 2372044	110322	234877	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	+++++ 168178	5491 395585	12030 837890	30324	68466	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	12024 923236	29970 2072713	65503 4078153	182764	405292	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	4569 360662	11631 800767	25962 1612210	68669	155536	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	4391 353257	12822 781705	24552 1560102	70719	151538	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	7696 566945	18870 1297468	42991 2581494	112567	250939	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	+++++ 113195	3800 277194	8218 +++++	21177	45943	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Isopropylbenzene	DCBd4	Ave	10056 845483	25998 1897548	58396 3782170	161338	362430	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	2949 222560	7820 500979	16797 1002578	46034	96688	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	4383 283158	11778 621472	24057 1252426	60808	126926	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd4	Ave	1435 98111	4133 219427	8589 438984	21347	43211	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	1528	4266	8294	19465	46412	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			102037	245726	509582			25.0	50.0	100		
N-Propylbenzene	DCBd4	Ave	11667 1079715	33703 2440994	72348 4758882	203208	469277	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	2745 220762	6800 491840	15844 981418	43505	95514	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	9639 765701	23291 1710014	52783 3376024	145237	323187	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	10151 733229	24486 1644936	54480 3251008	146109	317811	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	2072 170051	5188 395067	11594 775413	31474	74231	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	9618 783141	24871 1747043	55062 3476005	149669	334497	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	+++++ 965289	28130 2190627	59688 4298656	179285	411540	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	5011 424713	14704 952388	30940 1893721	88202	184308	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	+++++ 842073	25009 1909387	54986 3761296	154307	354477	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	5813 422199	15961 964328	32512 1903470	87982	183430	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	8265 720088	20974 1633767	46330 3231245	134499	303896	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	5727 414675	15763 914416	31503 1834698	85296	180359	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	712 59733	2060 141713	3959 308810	11782	24913	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	3340 265791	9526 582956	19673 1175309	53955	113292	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Lin1	1077 101648	3244 229747	6353 451879	19039	45727	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd4	Ave	15015 968847	35884 2072070	74292 4170542	199138	414800	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	3673 268638	9611 573433	20482 1138511	51900	113987	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	228128 233348	237630 239344	227355 242993	231973	237689	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	282349 282001	291848 287780	291726 289832	278958	280142	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	872295	905654	916774	894294	952873	25.0	25.0	25.0	25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			892184	958182	957375			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	242779	262477	261431	252386	271101	25.0	25.0	25.0	25.0	25.0
			253090	272968	278334			25.0	25.0	25.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-725344/13	K4862.D
Level 2	IC 480-725344/14	K4863.D
Level 3	IC 480-725344/15	K4864.D
Level 4	IC 480-725344/16	K4865.D
Level 5	IC 480-725344/17	K4866.D
Level 6	ICIS 480-725344/18	K4867.D
Level 7	IC 480-725344/19	K4868.D
Level 8	IC 480-725344/20	K4869.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-9.0						30					
Chloromethane	13.4						30					
Vinyl chloride	-3.8						30					
Butadiene	6.5						30					
Bromomethane	12.9						30					
Chloroethane	2.1						30					
Dichlorofluoromethane	6.2						30					
Trichlorofluoromethane	-8.6						30					
Ethyl ether	26.5						30					
Acrolein	11.4						30					
1,1-Dichloroethene	+++++	14.4						30				
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	29.1						30				
Acetone	2.9						30					
Iodomethane	-5.8						30					
Carbon disulfide	-8.7						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	3.3						30					
Methyl acetate	1.1						30					
Methylene Chloride	13.3						30					
2-Methyl-2-propanol	9.7						30					
Methyl tert-butyl ether	0.1						30					
trans-1,2-Dichloroethene	-9.0						30					
Acrylonitrile	5.4						30					
Hexane	-8.2	+++++					30					
1,1-Dichloroethane	-1.3						30					
Vinyl acetate	0.8						30					
2,2-Dichloropropane	-1.6						30					
cis-1,2-Dichloroethene	-1.9						30					
2-Butanone (MEK)	14.6						30					
Chlorobromomethane	15.8						30					
Tetrahydrofuran	+++++	21.0						30				
Chloroform	+++++	1.8						30				
1,1,1-Trichloroethane	+++++	20.6						30				
Cyclohexane	+++++	29.0						30				
Carbon tetrachloride	+++++	19.7 +++++						30				
1,1-Dichloropropene	-18.9						30					
Benzene	-6.1						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	3.7						30					
1,2-Dichloroethane	5.2						30					
n-Heptane	-5.5						30					
Trichloroethene	-5.8						30					
Methylcyclohexane	+++++	26.2						30				
1,2-Dichloropropane	-11.6						30					
Dibromomethane	-9.8						30					
1,4-Dioxane	-11.5						30					
Bromodichloromethane	-11.4						30					
2-Chloroethyl vinyl ether	2.8						30					
cis-1,3-Dichloropropene	-11.3						30					
4-Methyl-2-pentanone (MIBK)	8.2						30					
Toluene	-18.3						30					
trans-1,3-Dichloropropene	-9.2						30					
Ethyl methacrylate	-2.8						30					
1,1,2-Trichloroethane	-6.9						30					
Tetrachloroethene	-15.0						30					
1,3-Dichloropropane	0.3						30					
2-Hexanone	5.2						30					
Dibromochloromethane	-9.1						30					
1,2-Dibromoethane	4.2						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 | Calibration End Date: 09/17/2024 17:53 | Calibration ID: 47299

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-14.3						30					
1,1,1,2-Tetrachloroethane	+++++	-18.1						30				
Ethylbenzene	-11.9						30					
m,p-Xylene	-13.5						30					
o-Xylene	-16.0						30					
Styrene	-10.3						30					
Bromoform	+++++	-14.7 +++++						30				
Isopropylbenzene	-16.0						30					
Bromobenzene	-11.0						30					
1,1,2,2-Tetrachloroethane	-1.7						30					
1,2,3-Trichloropropane	-7.3						30					
trans-1,4-Dichloro-2-butene	-5.5						30					
N-Propylbenzene	-22.7						30					
2-Chlorotoluene	-13.3						30					
1,3,5-Trimethylbenzene	-11.0						30					
4-Chlorotoluene	-6.1						30					
tert-Butylbenzene	-14.5						30					
1,2,4-Trimethylbenzene	-13.8						30					
sec-Butylbenzene	+++++	-21.7						30				
1,3-Dichlorobenzene	-19.2						30					
4-Isopropyltoluene	+++++	-20.6						30				

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 725344

SDG No.: 480-223647-1

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 15:15 Calibration End Date: 09/17/2024 17:53 Calibration ID: 47299

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-9.2						30					
n-Butylbenzene	-17.3						30					
1,2-Dichlorobenzene	-8.1						30					
1,2-Dibromo-3-Chloropropane	-18.9						30					
1,2,4-Trichlorobenzene	-14.2						30					
Hexachlorobutadiene	17.7						30					
Naphthalene	2.9						30					
1,2,3-Trichlorobenzene	-6.3						30					
Dibromofluoromethane (Surr)	1.9						30					
1,2-Dichloroethane-d4 (Surr)	3.7						30					
Toluene-d8 (Surr)	0.4						30					
4-Bromofluorobenzene (Surr)	-1.9						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Sep-2024 15:15:22 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0120078-013
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:02:37 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 09:55:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	171576	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	92	642394	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	324251	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.735	4.742	-0.007	92	228128	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.047	-0.003	96	282349	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	6.854	6.858	-0.004	94	872295	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	242779	25.0	24.5	
11 Dichlorodifluoromethane	85	1.176	1.182	-0.006	93	4168	0.4000	0.3641	
13 Chloromethane	50	1.346	1.353	-0.007	0	5807	0.4000	0.4538	M
14 Vinyl chloride	62	1.433	1.443	-0.010	79	3690	0.4000	0.3849	
151 Butadiene	54	1.459	1.472	-0.013	89	3957	0.4000	0.4260	
15 Bromomethane	94	1.748	1.748	0.000	87	2954	0.4000	0.4516	M
16 Chloroethane	64	1.835	1.845	-0.010	92	2589	0.4000	0.4083	M
18 Dichlorofluoromethane	67	2.047	2.057	-0.010	92	7035	0.4000	0.4246	
17 Trichlorofluoromethane	101	2.060	2.076	-0.016	93	4711	0.4000	0.3655	
19 Ethyl ether	59	2.343	2.353	-0.010	92	3684	0.4000	0.5059	
21 Acrolein	56	2.494	2.504	-0.010	72	2816	2.00	2.23	
22 1,1-Dichloroethene	96	2.552	2.562	-0.010	91	2074	0.4000	0.7839	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.600	2.594	0.006	0	1467	0.4000	0.8379	M
23 Acetone	43	2.662	2.662	0.000	98	7983	2.00	2.06	M
24 Iodomethane	142	2.700	2.710	-0.010	94	4394	0.4000	0.3769	M
25 Carbon disulfide	76	2.755	2.761	-0.006	95	6670	0.4000	0.3652	
27 3-Chloro-1-propene	41	2.919	2.928	-0.009	89	4672	0.4000	0.4134	
28 Methyl acetate	43	2.977	2.973	0.004	99	6793	0.8000	0.8086	M
30 Methylene Chloride	84	3.057	3.067	-0.010	91	5162	0.4000	0.4531	
31 2-Methyl-2-propanol	59	3.231	3.237	-0.006	94	8329	4.00	4.39	M
33 Methyl tert-butyl ether	73	3.301	3.311	-0.010	0	9292	0.4000	0.4005	M
32 trans-1,2-Dichloroethene	96	3.305	3.314	-0.009	70	2573	0.4000	0.3641	
34 Acrylonitrile	53	3.321	3.324	-0.003	96	21132	4.00	4.22	
35 Hexane	57	3.539	3.546	-0.007	91	3690	0.4000	0.3672	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.716	3.723	-0.007	95	5612	0.4000	0.3946	
39 Vinyl acetate	43	3.777	3.780	-0.003	97	13870	0.8000	0.8067	
42 2,2-Dichloropropane	77	4.243	4.256	-0.013	87	2588	0.4000	0.3937	M
43 cis-1,2-Dichloroethene	96	4.269	4.279	-0.010	0	3158	0.4000	0.3924	M
44 2-Butanone (MEK)	43	4.311	4.305	0.006	99	14980	2.00	2.29	
47 Chlorobromomethane	128	4.504	4.507	-0.003	91	1978	0.4000	0.4633	
48 Tetrahydrofuran	42	4.549	4.546	0.003	87	5109	0.8000	1.18	M
50 Chloroform	83	4.584	4.591	-0.007	96	8623	0.4000	0.5993	
51 1,1,1-Trichloroethane	97	4.716	4.723	-0.007	88	3531	0.4000	0.7755	
52 Cyclohexane	56	4.755	4.755	0.000	82	3837	0.4000	0.9050	
53 Carbon tetrachloride	117	4.864	4.874	-0.010	89	2550	0.4000	0.8903	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	0	3165	0.4000	0.3245	M
56 Isobutyl alcohol	43	5.076	5.073	0.003	75	6970	10.0	10.4	M
55 Benzene	78	5.070	5.073	-0.003	91	10816	0.4000	0.3757	
57 1,2-Dichloroethane	62	5.115	5.118	-0.003	94	5246	0.4000	0.4208	
59 n-Heptane	43	5.292	5.298	-0.006	77	3228	0.4000	0.3780	M
60 Trichloroethene	95	5.690	5.690	0.000	89	2936	0.4000	0.3767	
62 Methylcyclohexane	83	5.825	5.835	-0.010	0	3372	0.4000	0.8569	M
63 1,2-Dichloropropane	63	5.912	5.909	0.003	82	2752	0.4000	0.3536	
65 Dibromomethane	93	6.041	6.041	0.000	91	1908	0.4000	0.3607	
66 1,4-Dioxane	88	6.073	6.057	0.016	69	850	8.00	7.08	
67 Dichlorobromomethane	83	6.198	6.198	0.000	92	3254	0.4000	0.3544	
69 2-Chloroethyl vinyl ether	63	6.481	6.478	0.003	88	2624	0.4000	0.4111	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	88	3986	0.4000	0.3547	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	96	27927	2.00	2.16	
73 Toluene	92	6.915	6.922	-0.007	94	5867	0.4000	0.3269	
75 trans-1,3-Dichloropropene	75	7.176	7.179	-0.003	92	3606	0.4000	0.3630	
77 Ethyl methacrylate	69	7.247	7.247	0.000	88	4037	0.4000	0.3888	
78 1,1,2-Trichloroethane	83	7.356	7.362	-0.006	0	2171	0.4000	0.3725	M
79 Tetrachloroethene	166	7.459	7.465	-0.006	80	2646	0.4000	0.3398	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	86	4964	0.4000	0.4013	
81 2-Hexanone	43	7.600	7.600	0.000	97	20387	2.00	2.10	
82 Chlorodibromomethane	129	7.758	7.761	-0.003	87	2488	0.4000	0.3635	
83 Ethylene Dibromide	107	7.864	7.864	0.000	94	3194	0.4000	0.4167	
86 Chlorobenzene	112	8.353	8.359	-0.006	0	6991	0.4000	0.3427	M
89 1,1,1,2-Tetrachloroethane	131	8.449	8.452	-0.003	43	1831	0.4000	0.2885	
88 Ethylbenzene	91	8.462	8.459	0.003	98	12024	0.4000	0.3525	
90 m-Xylene & p-Xylene	106	8.581	8.584	-0.003	97	4569	0.4000	0.3461	
91 o-Xylene	106	8.999	9.005	-0.006	95	4391	0.4000	0.3360	
92 Styrene	104	9.028	9.028	0.000	90	7696	0.4000	0.3590	
93 Bromoform	173	9.247	9.253	-0.006	81	1196	0.4000	0.2833	
95 Isopropylbenzene	105	9.394	9.394	0.000	96	10056	0.4000	0.3359	
97 Bromobenzene	156	9.726	9.726	0.000	94	2949	0.4000	0.3560	
98 1,1,2,2-Tetrachloroethane	83	9.761	9.764	-0.003	92	4383	0.4000	0.3932	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	85	1435	0.4000	0.3709	
101 trans-1,4-Dichloro-2-butene	53	9.809	9.812	-0.003	64	1528	0.4000	0.3781	
99 N-Propylbenzene	91	9.825	9.825	0.000	97	11667	0.4000	0.3090	
105 2-Chlorotoluene	126	9.919	9.922	-0.003	95	2745	0.4000	0.3467	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	95	9639	0.4000	0.3558	
102 4-Chlorotoluene	91	10.031	10.031	0.000	97	10151	0.4000	0.3758	
106 tert-Butylbenzene	134	10.327	10.324	0.003	92	2072	0.4000	0.3419	
107 1,2,4-Trimethylbenzene	105	10.378	10.375	0.003	95	9618	0.4000	0.3446	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	96	11039	0.4000	0.3232	
110 1,3-Dichlorobenzene	146	10.655	10.658	-0.003	90	5011	0.4000	0.3233	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	95	9139	0.4000	0.3051	
113 1,4-Dichlorobenzene	146	10.745	10.742	0.003	0	5813	0.4000	0.3633	M
115 n-Butylbenzene	91	11.060	11.060	0.000	97	8265	0.4000	0.3307	
116 1,2-Dichlorobenzene	146	11.089	11.092	-0.003	90	5727	0.4000	0.3678	
117 1,2-Dibromo-3-Chloropropane	75	11.816	11.806	0.010	81	712	0.4000	0.3242	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.001	93	3340	0.4000	0.3433	
120 Hexachlorobutadiene	225	12.623	12.626	-0.003	86	1077	0.4000	0.4708	
121 Naphthalene	128	12.706	12.706	0.000	96	15015	0.4000	0.4116	
122 1,2,3-Trichlorobenzene	180	12.912	12.909	0.003	90	3673	0.4000	0.3748	
S 123 1,3-Dichloropropene, Total	1				0			0.7178	
S 126 Xylenes, Total	1				0			0.6821	
S 124 1,2-Dichloroethene, Total	1				0			0.7565	
S 125 Total BTEX	1				0			1.74	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00640	Amount Added:	0.40	Units: uL	
8260 CORP mix_00258	Amount Added:	0.40	Units: uL	
K WATER IS/SS_00014	Amount Added:	5.00	Units: uL	Run Reagent

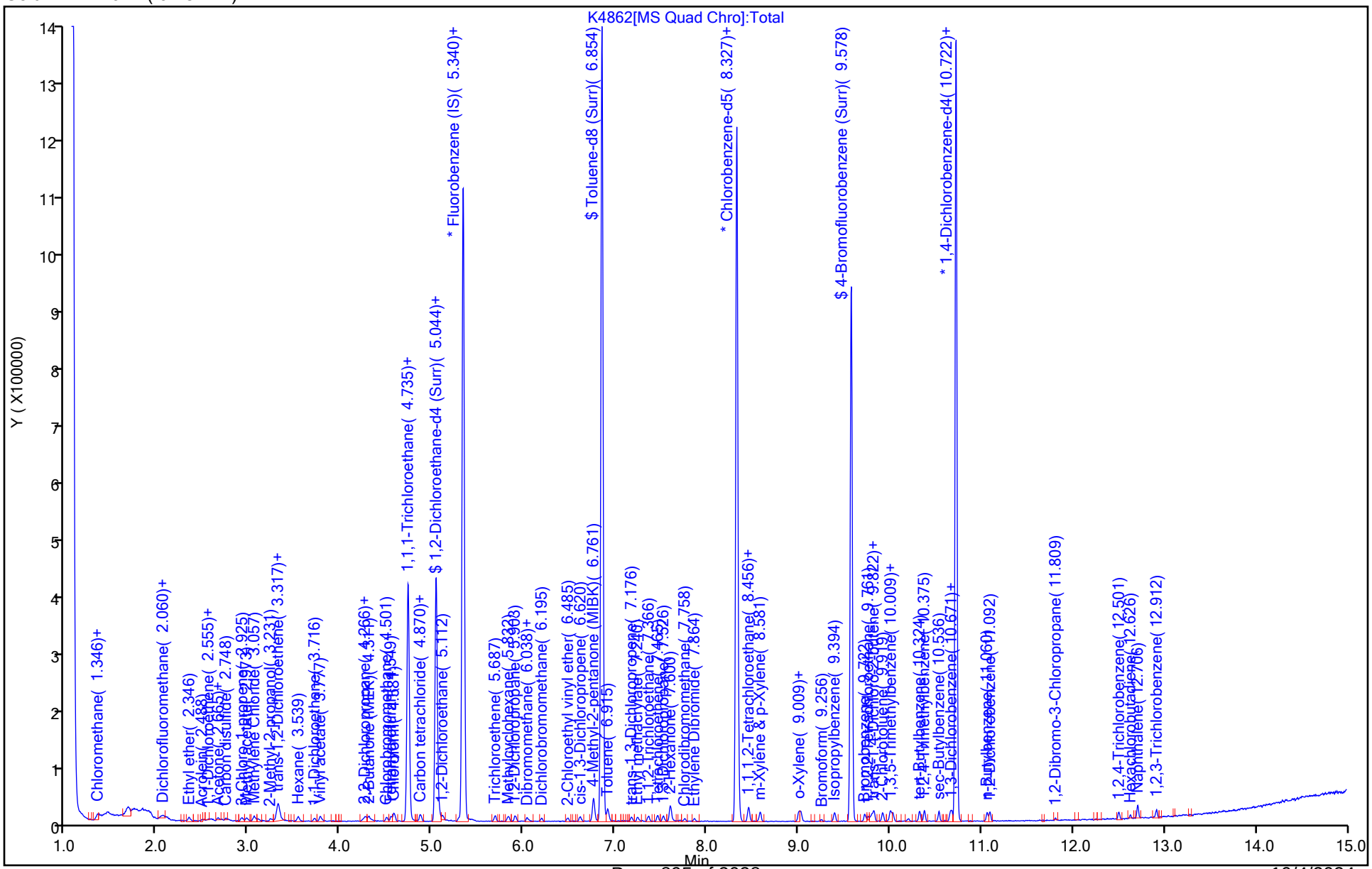
Report Date: 18-Sep-2024 11:02:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D

Injection Date:	17-Sep-2024 15:15:22	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	IC 0.4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

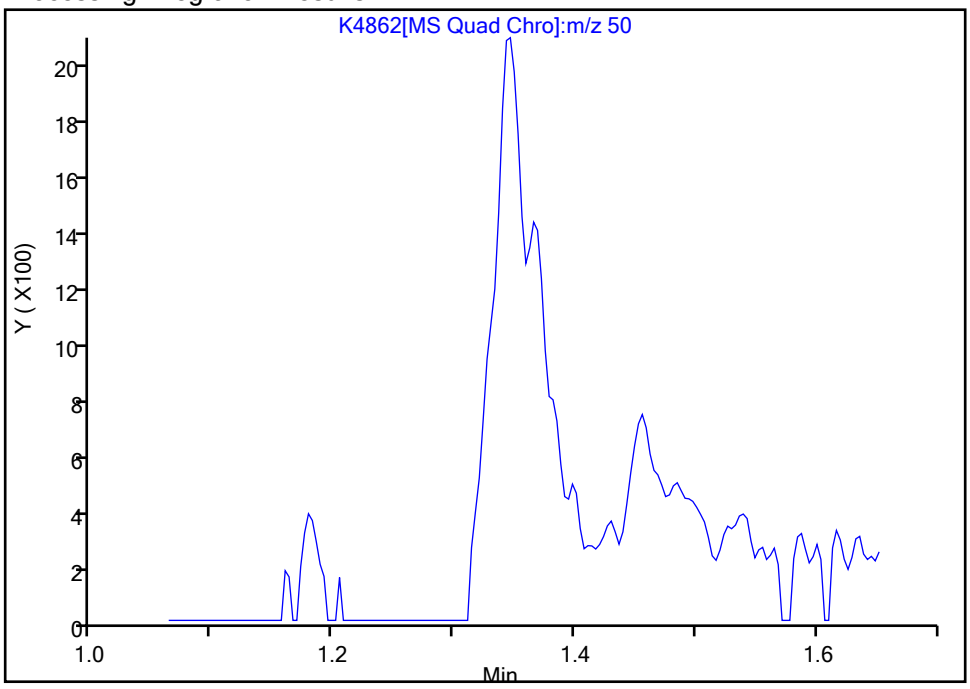
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

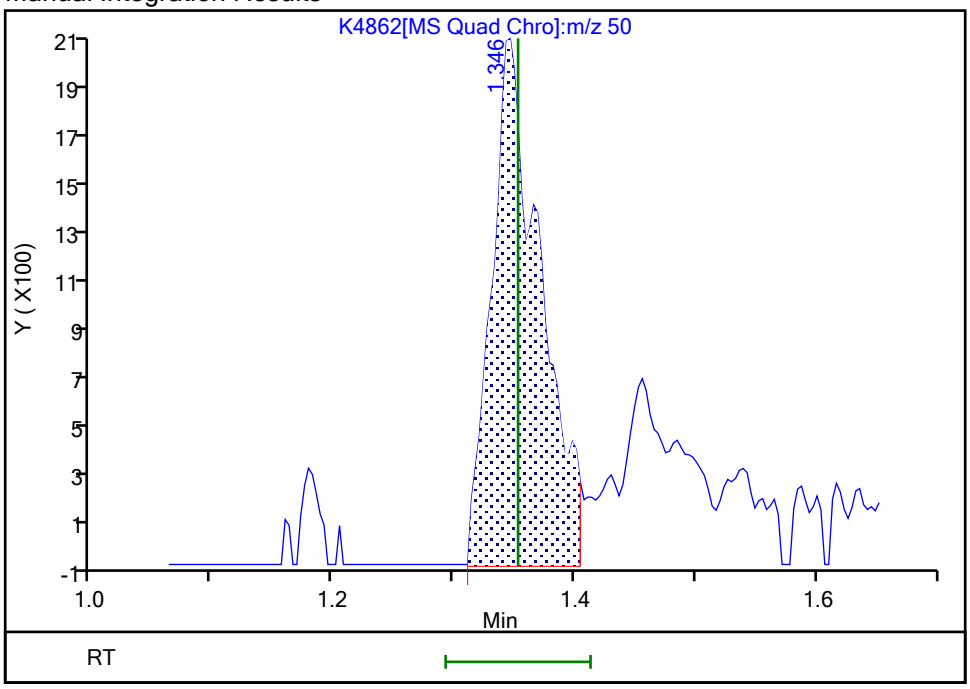
Not Detected
Expected RT: 1.35

Processing Integration Results



Manual Integration Results

RT: 1.35
Area: 5807
Amount: 0.453788
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:51:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

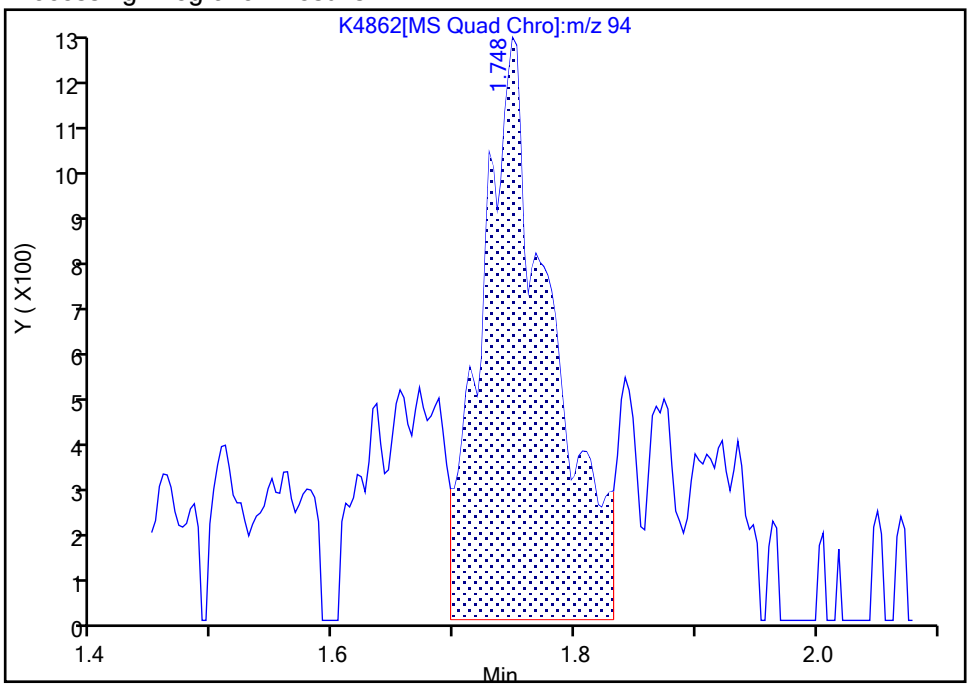
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

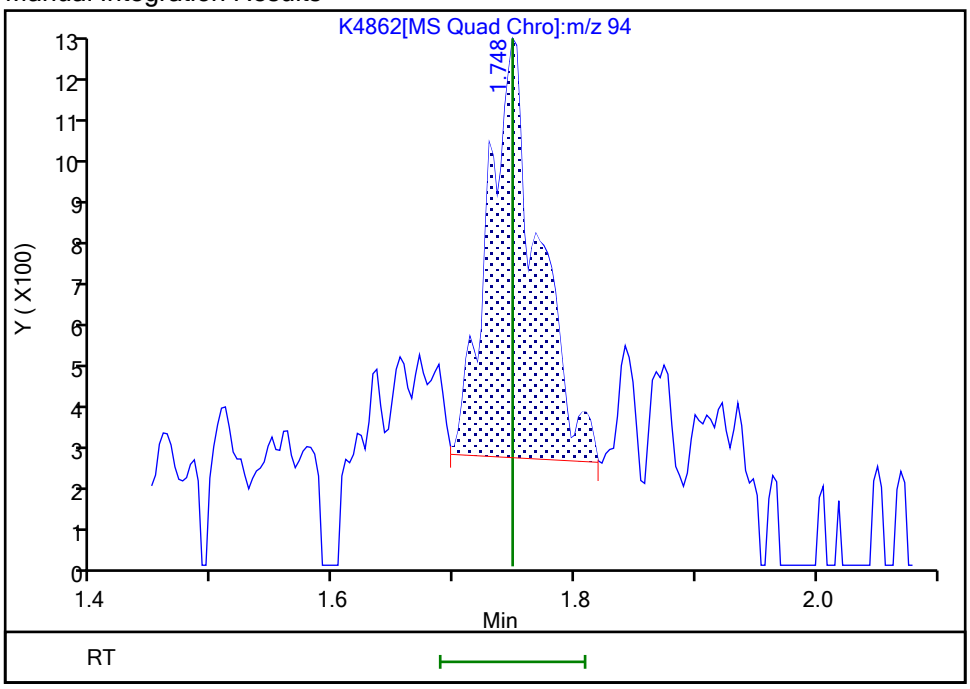
Processing Integration Results

RT: 1.75
Area: 5096
Amount: 0.700583
Amount Units: ug/L



Manual Integration Results

RT: 1.75
Area: 2954
Amount: 0.451650
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:51:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

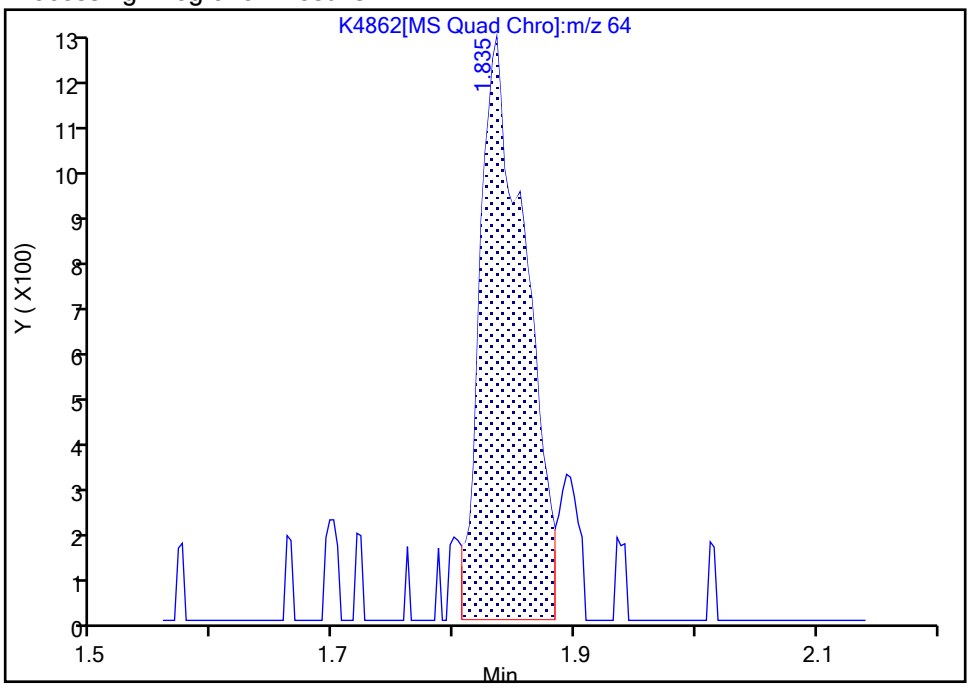
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

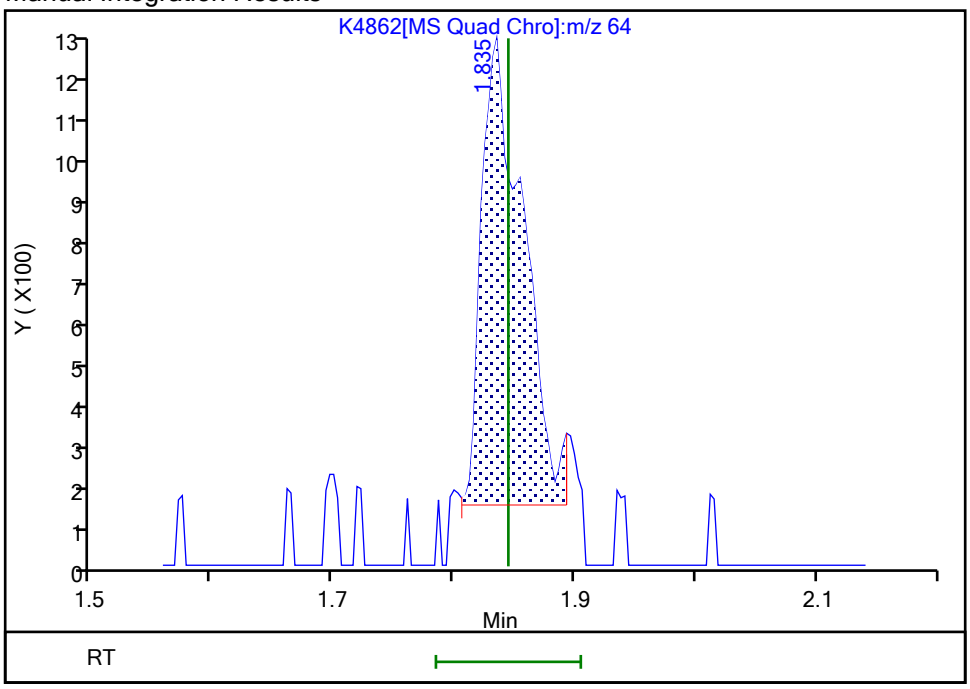
Processing Integration Results

RT: 1.84
Area: 3197
Amount: 0.478467
Amount Units: ug/L



Manual Integration Results

RT: 1.84
Area: 2589
Amount: 0.408334
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:52:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

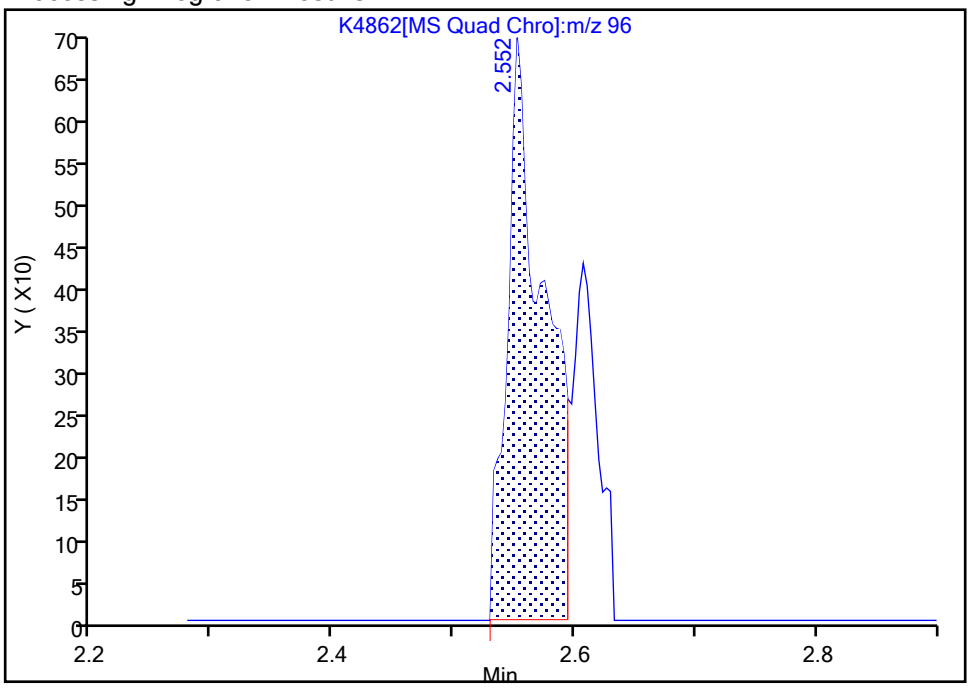
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

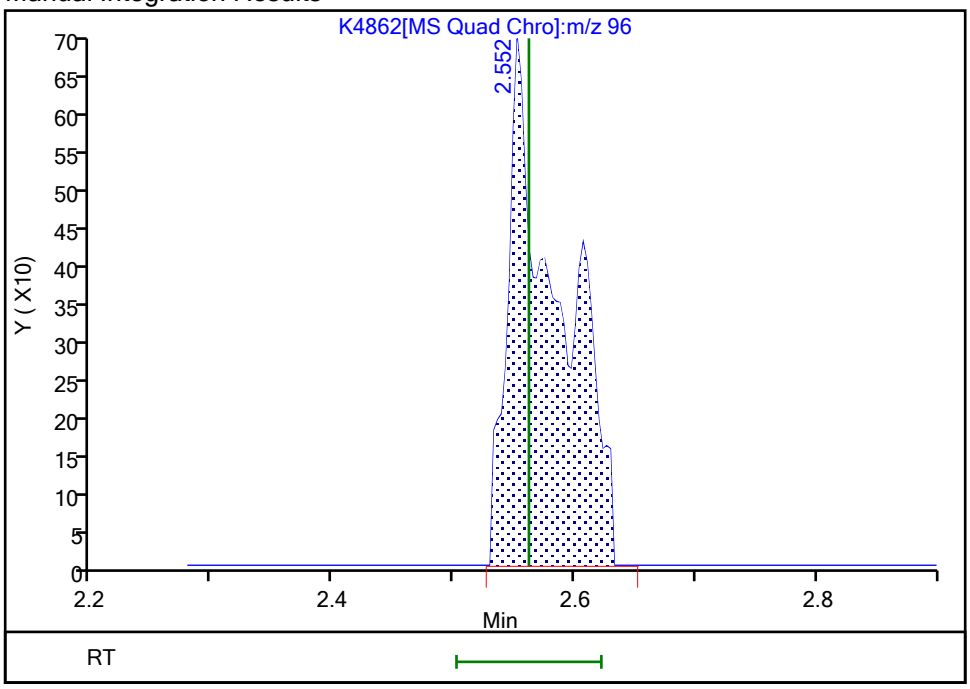
Processing Integration Results

RT: 2.55
Area: 1482
Amount: 0.258043
Amount Units: ug/L



Manual Integration Results

RT: 2.55
Area: 2074
Amount: 0.783932
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:52:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

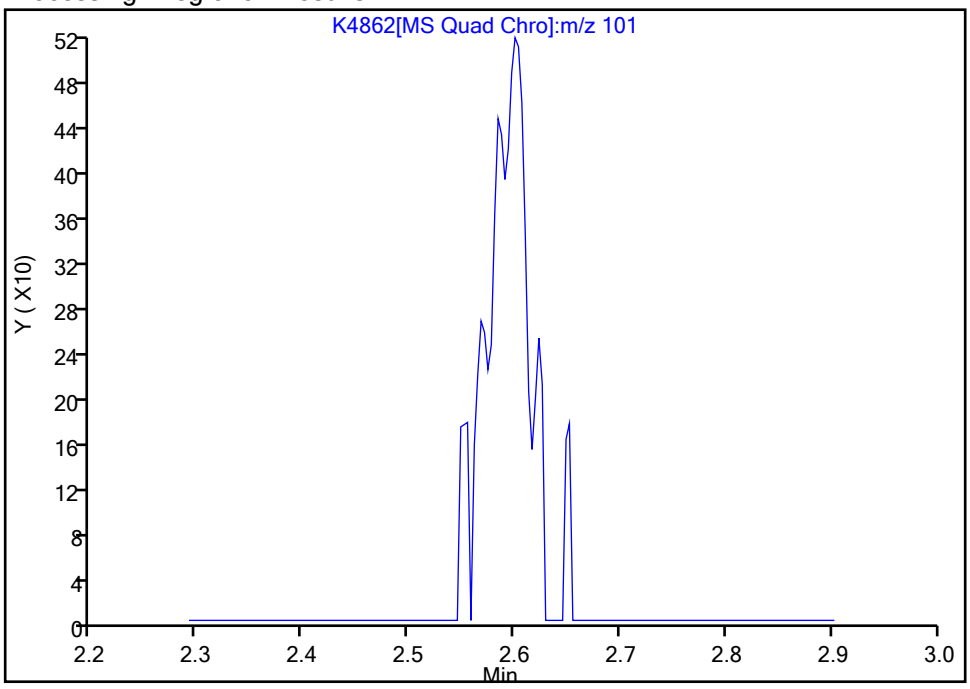
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

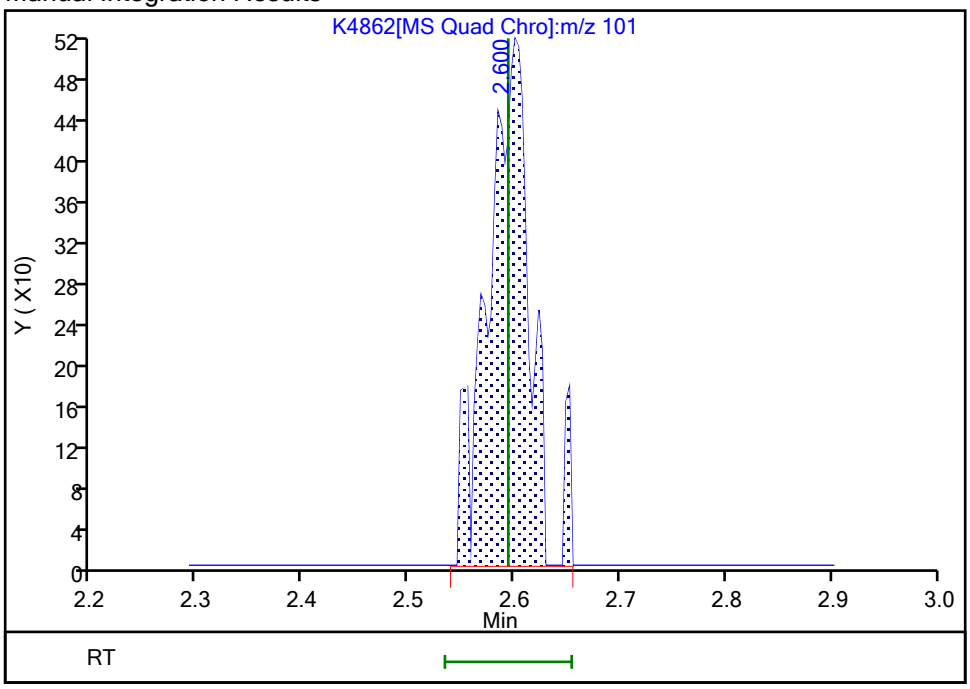
Not Detected
Expected RT: 2.59

Processing Integration Results



Manual Integration Results

RT: 2.60
Area: 1467
Amount: 0.837937
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:52:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

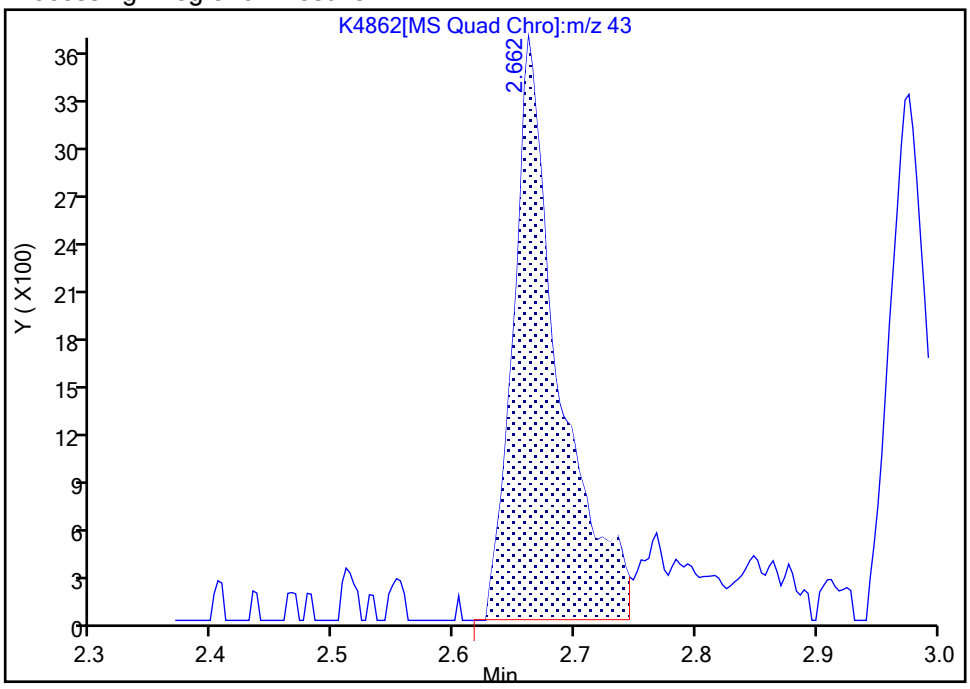
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

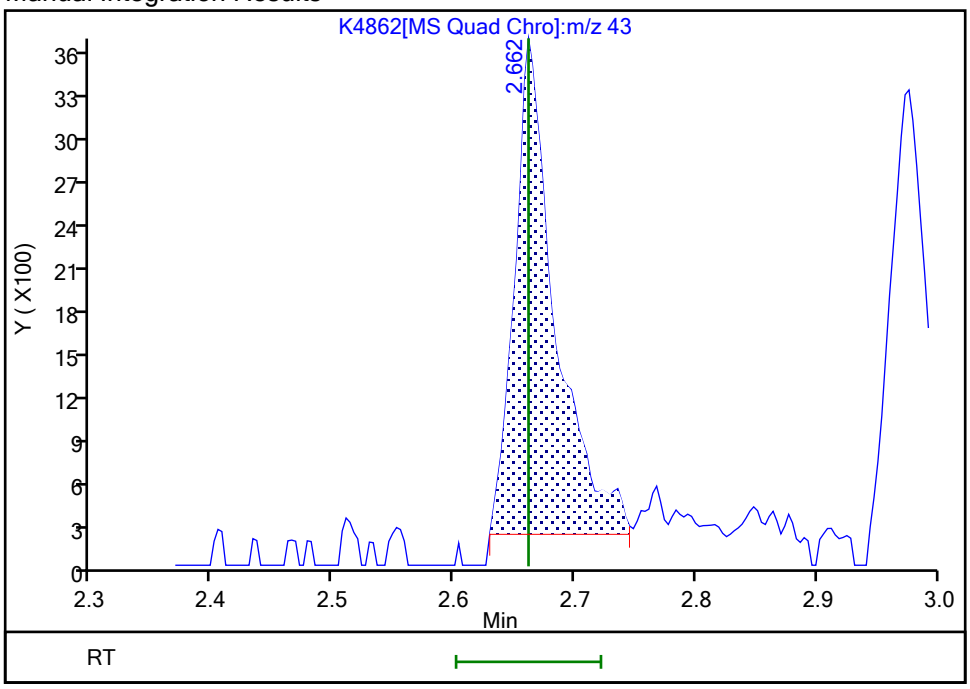
Processing Integration Results

RT: 2.66
Area: 9554
Amount: 2.834632
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 7983
Amount: 2.057128
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:52:33 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

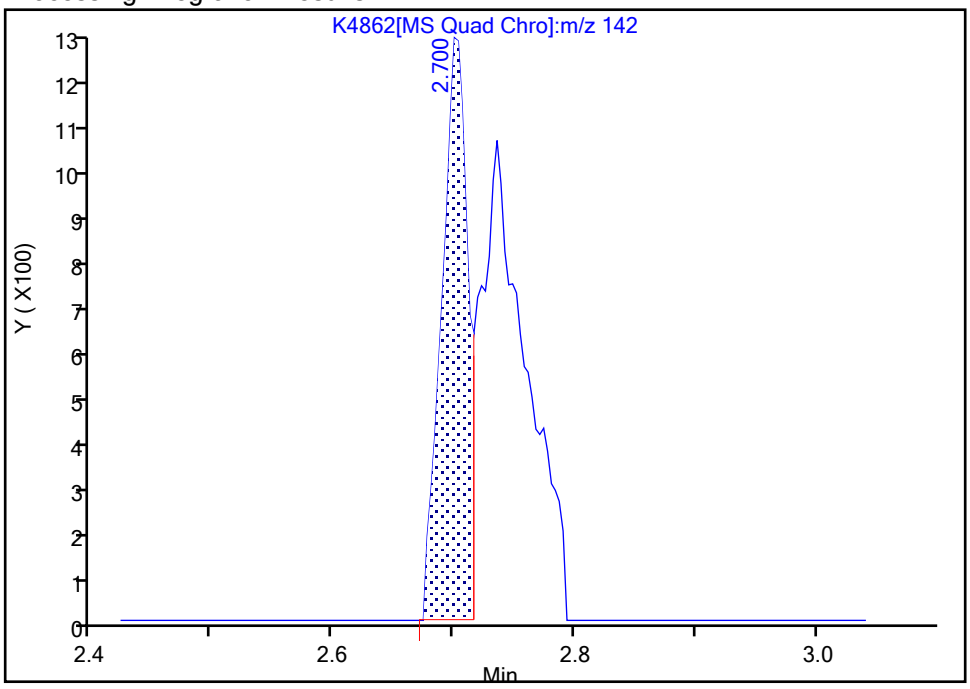
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

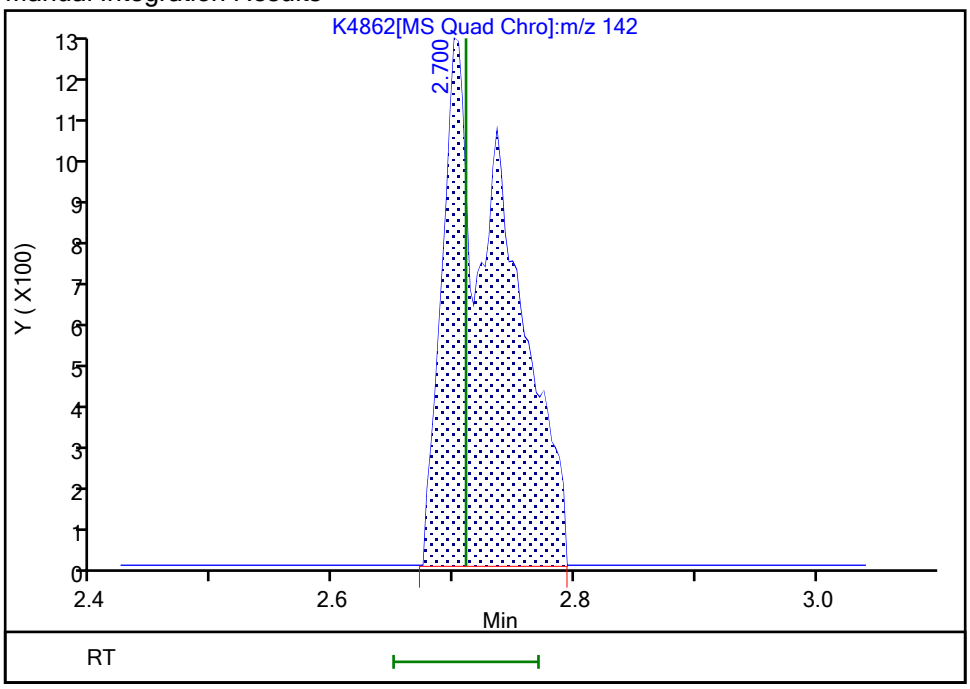
Processing Integration Results

RT: 2.70
Area: 1851
Amount: 0.315556
Amount Units: ug/L



Manual Integration Results

RT: 2.70
Area: 4394
Amount: 0.376903
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:52:39 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

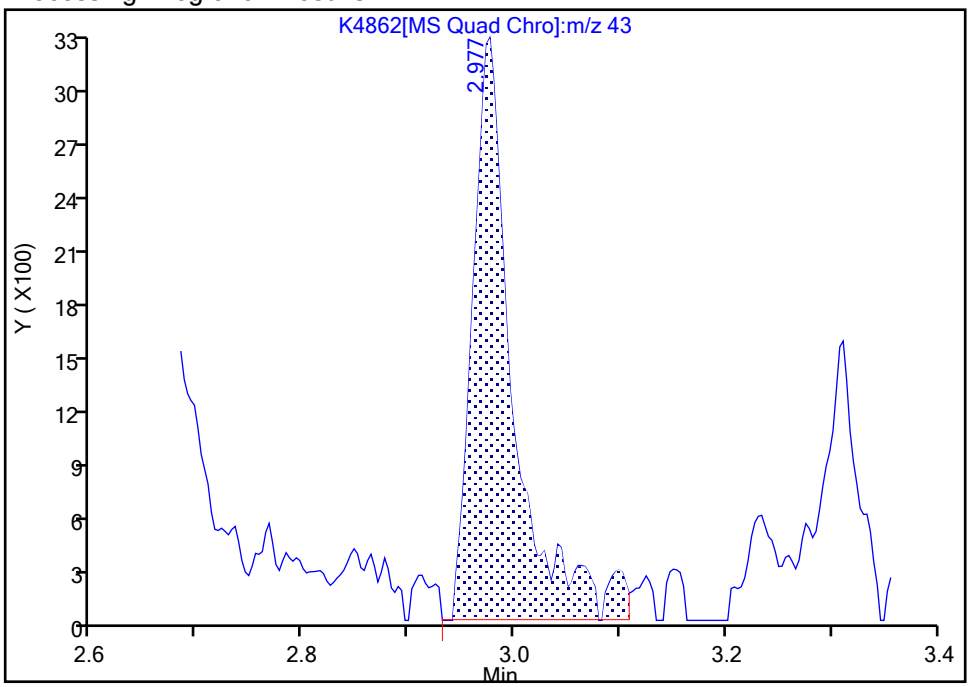
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

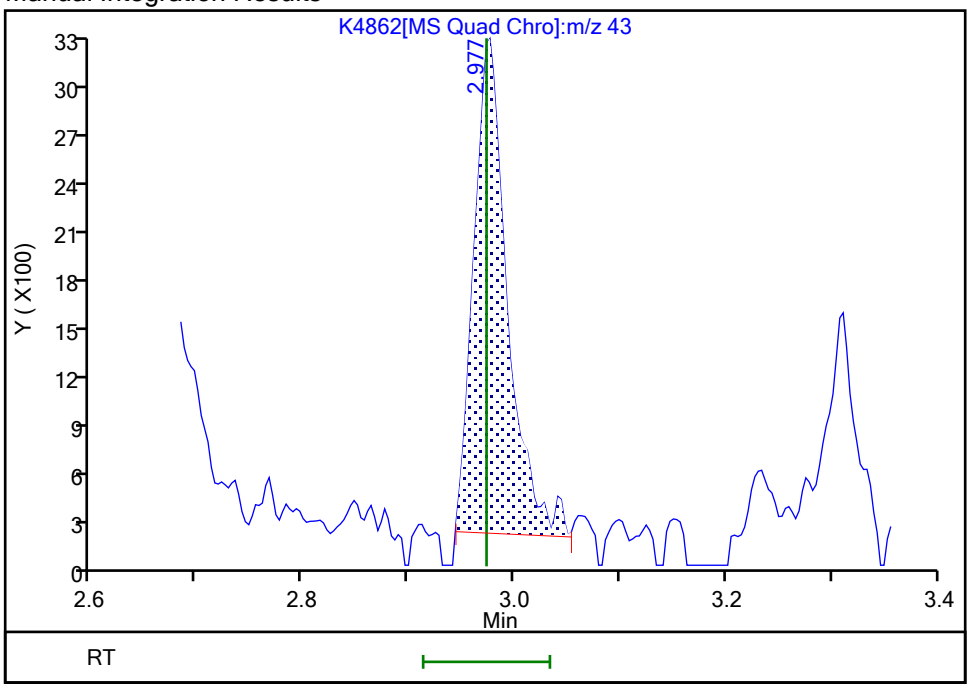
Processing Integration Results

RT: 2.98
Area: 8830
Amount: 1.057123
Amount Units: ug/L



Manual Integration Results

RT: 2.98
Area: 6793
Amount: 0.808595
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:52:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

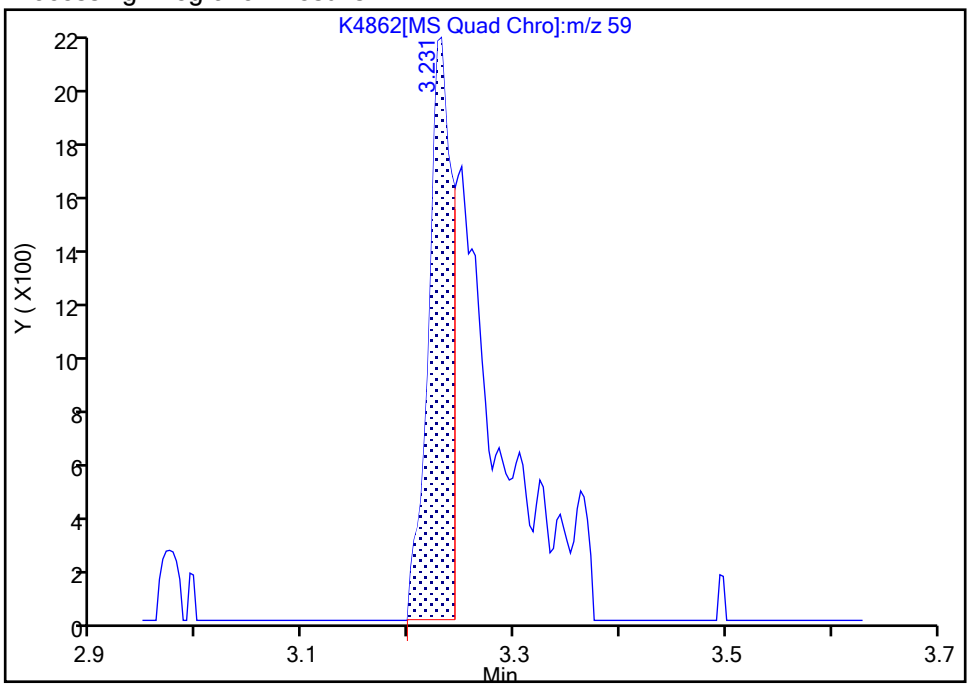
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

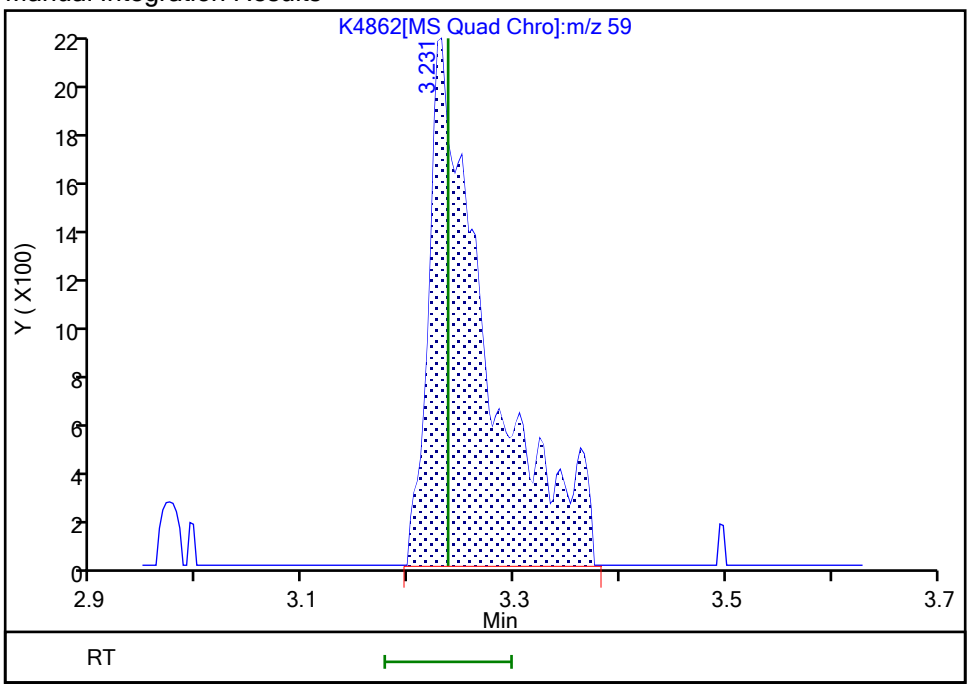
Processing Integration Results

RT: 3.23
Area: 3354
Amount: 3.876909
Amount Units: ug/L



Manual Integration Results

RT: 3.23
Area: 8329
Amount: 4.388100
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:53:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

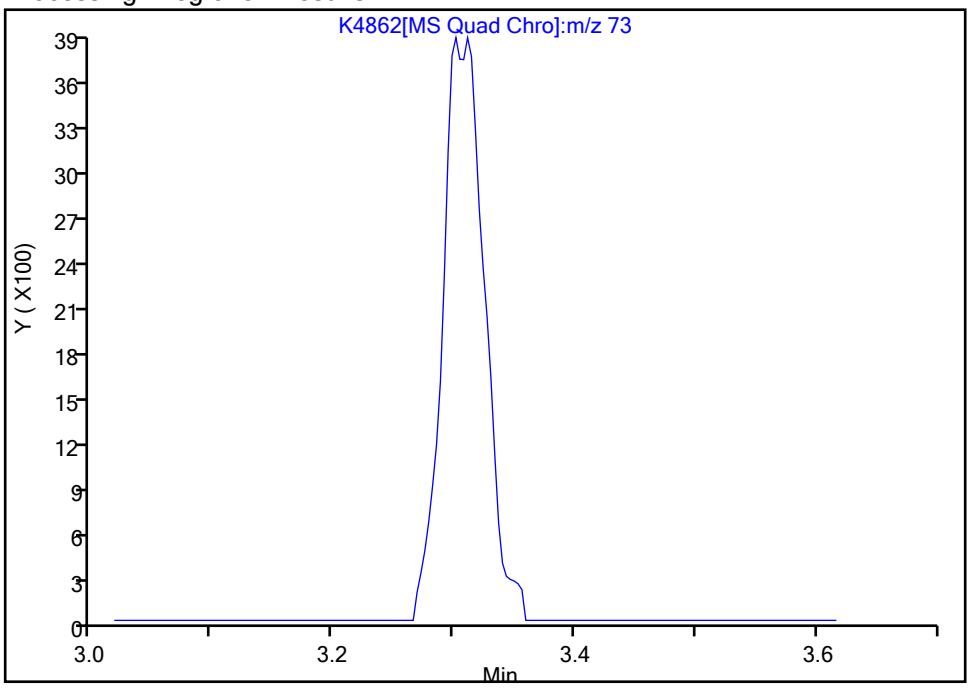
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

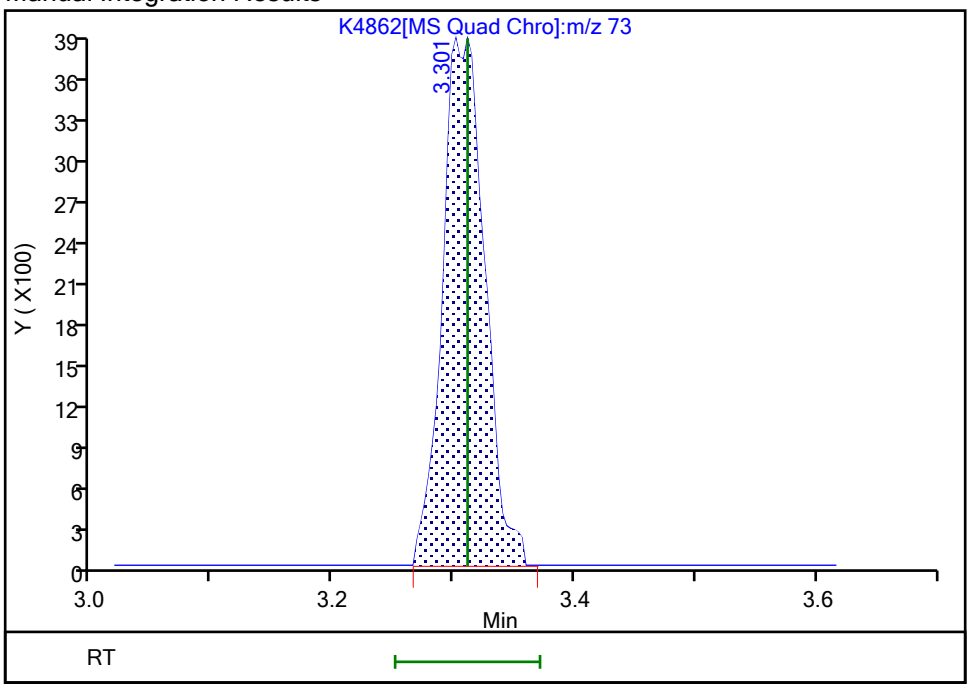
Not Detected
Expected RT: 3.31

Processing Integration Results



Manual Integration Results

RT: 3.30
Area: 9292
Amount: 0.400521
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:53:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

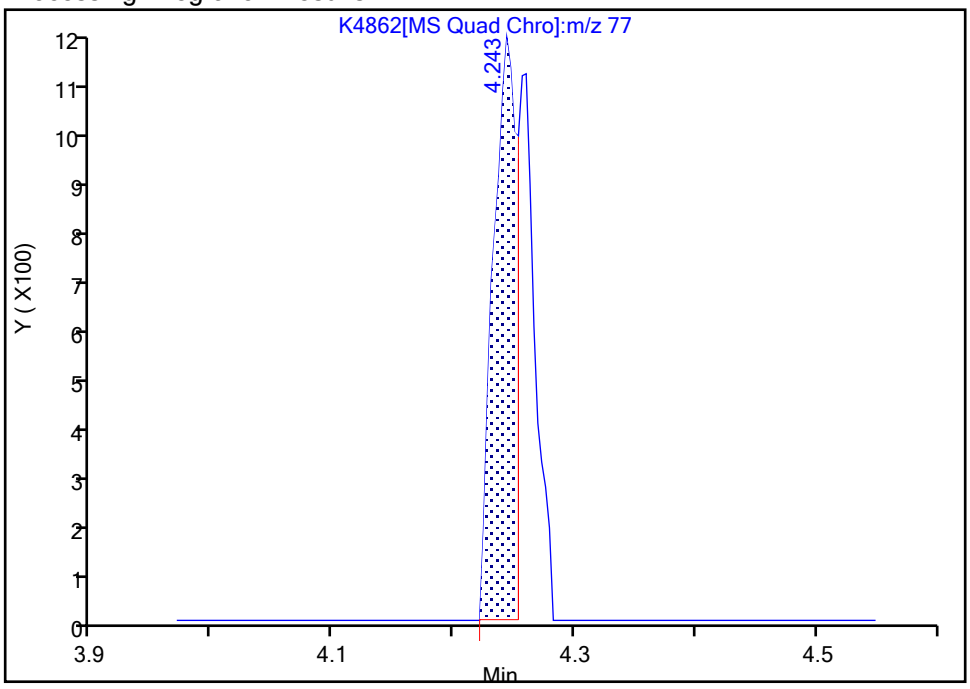
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

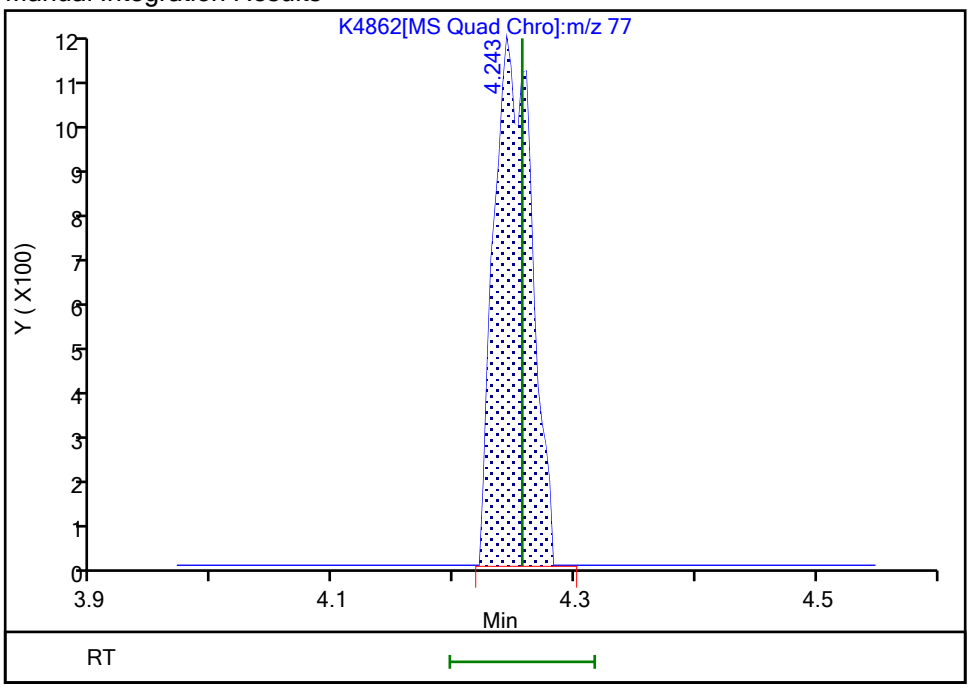
Processing Integration Results

RT: 4.24
Area: 1636
Amount: 0.459563
Amount Units: ug/L



Manual Integration Results

RT: 4.24
Area: 2588
Amount: 0.393677
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:53:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

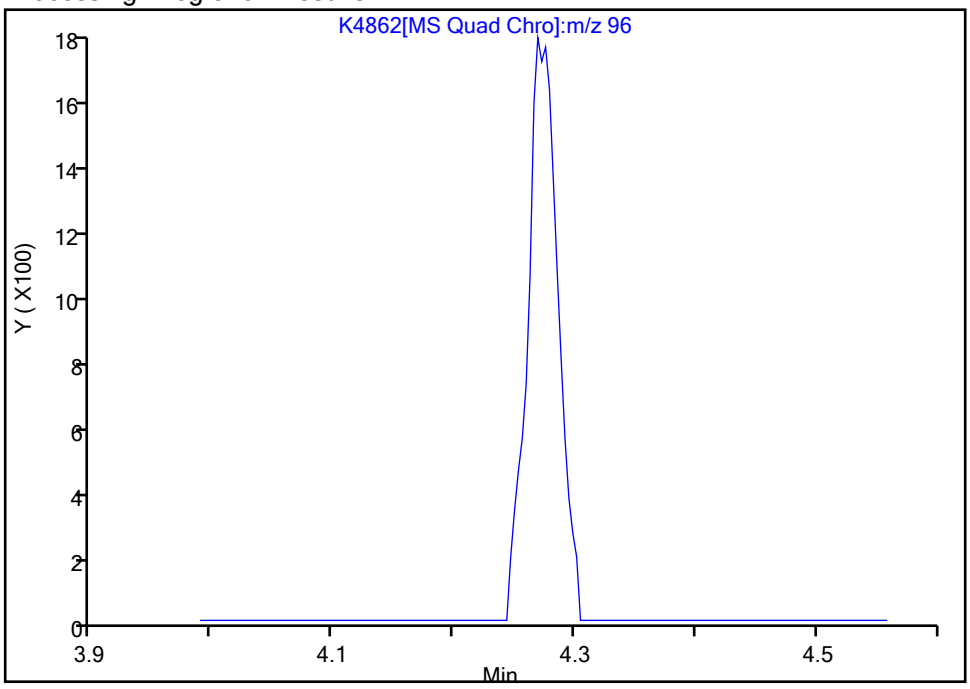
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

43 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

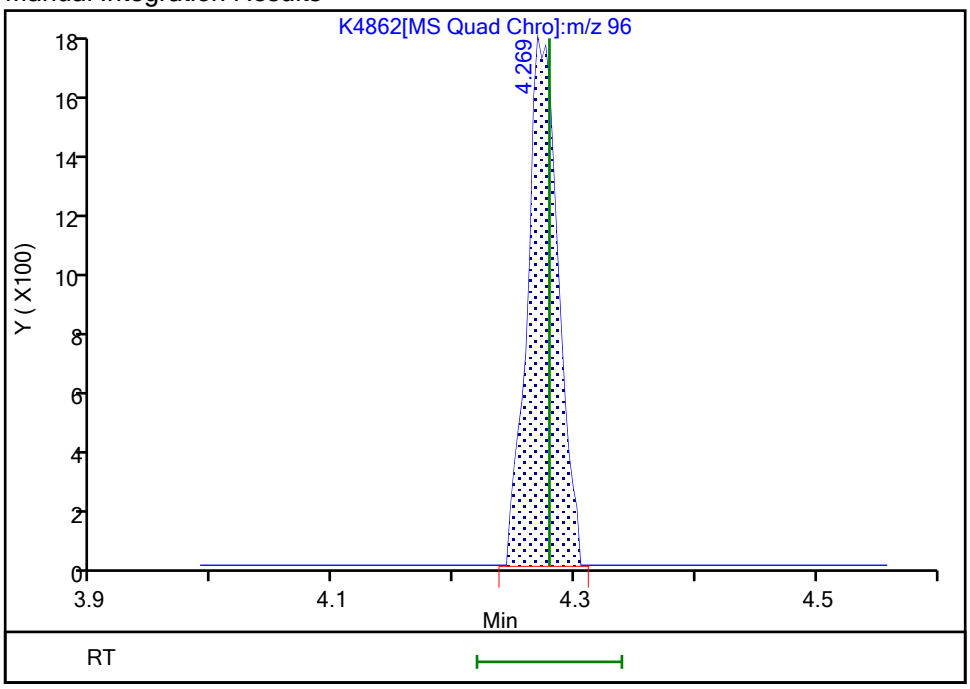
Not Detected
Expected RT: 4.28

Processing Integration Results



Manual Integration Results

RT: 4.27
Area: 3158
Amount: 0.392382
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:53:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

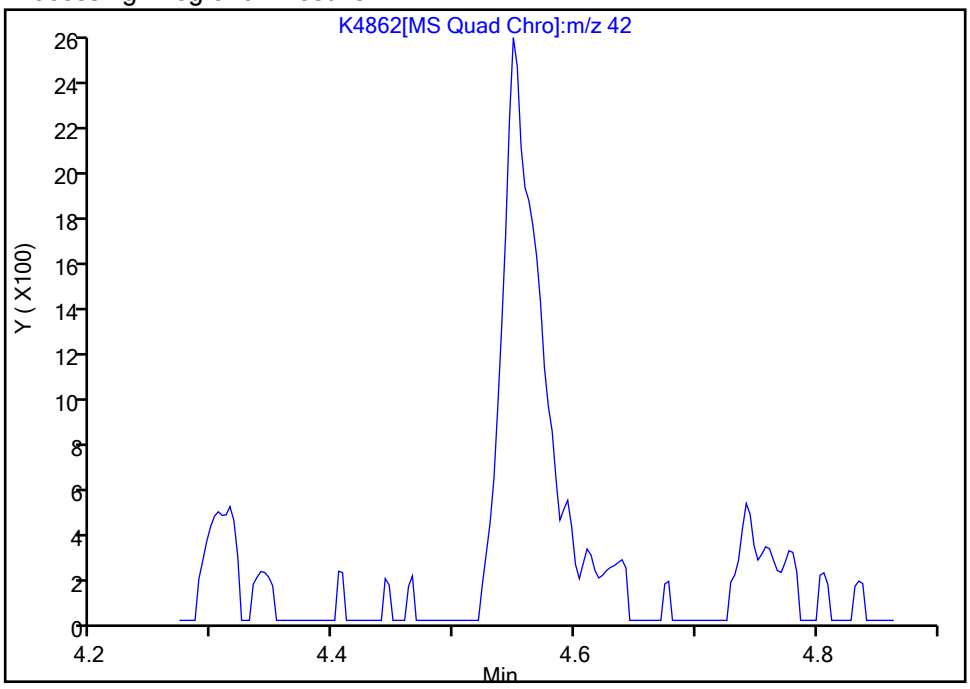
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

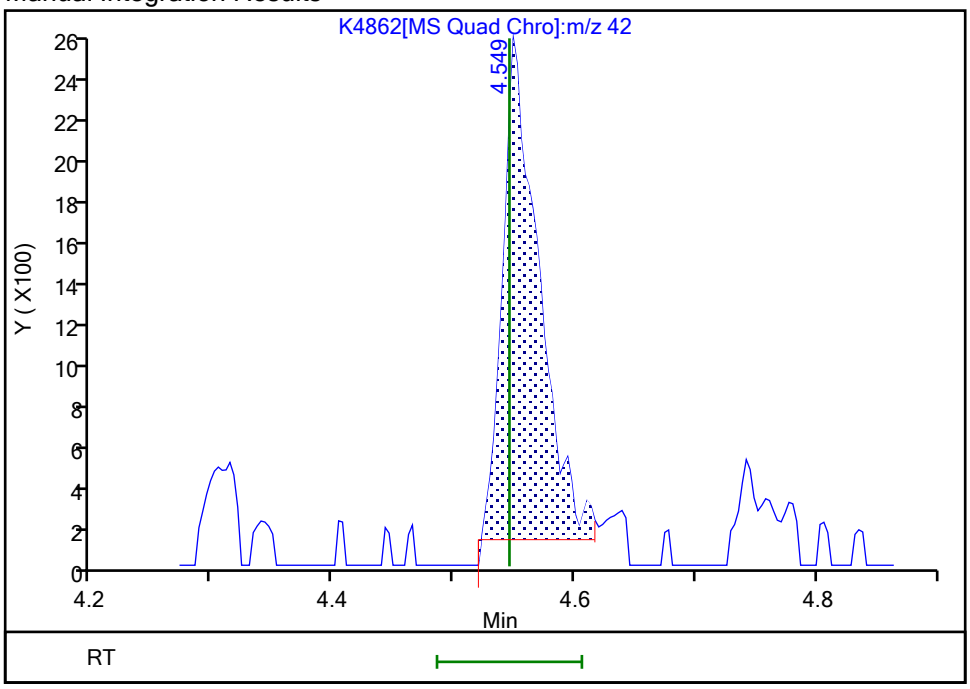
Not Detected
Expected RT: 4.55

Processing Integration Results



Manual Integration Results

RT: 4.55
Area: 5109
Amount: 1.178573
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:53:37 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

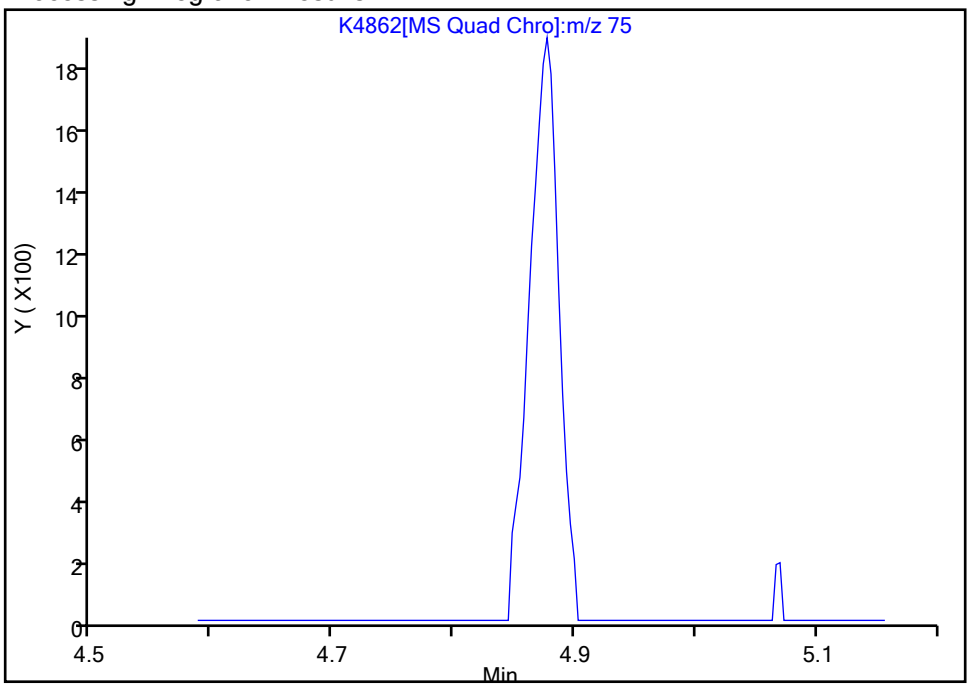
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

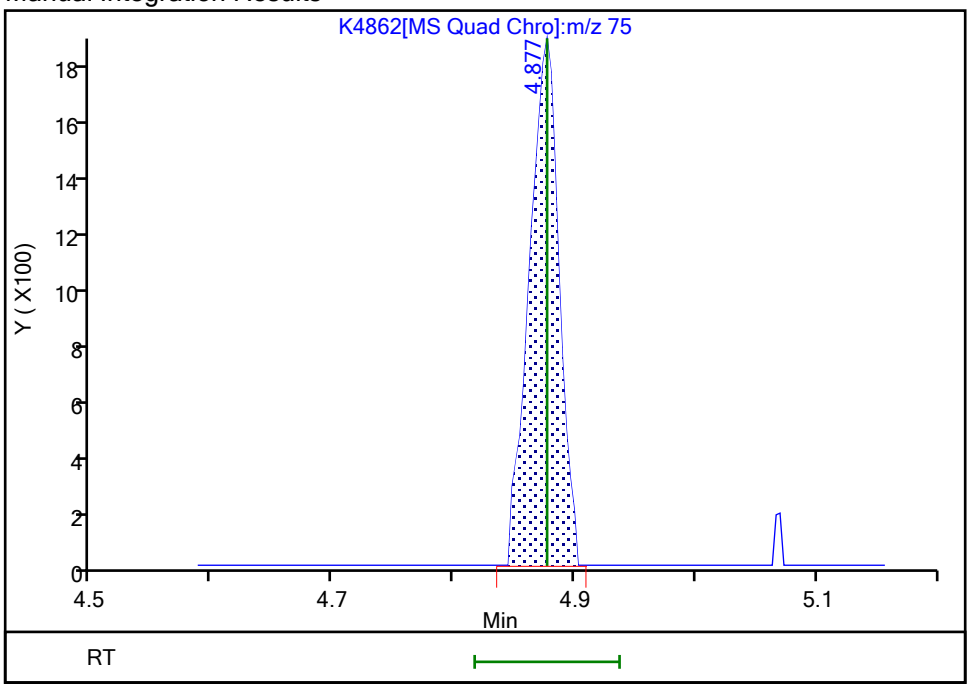
Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.88
Area: 3165
Amount: 0.324525
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:53:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

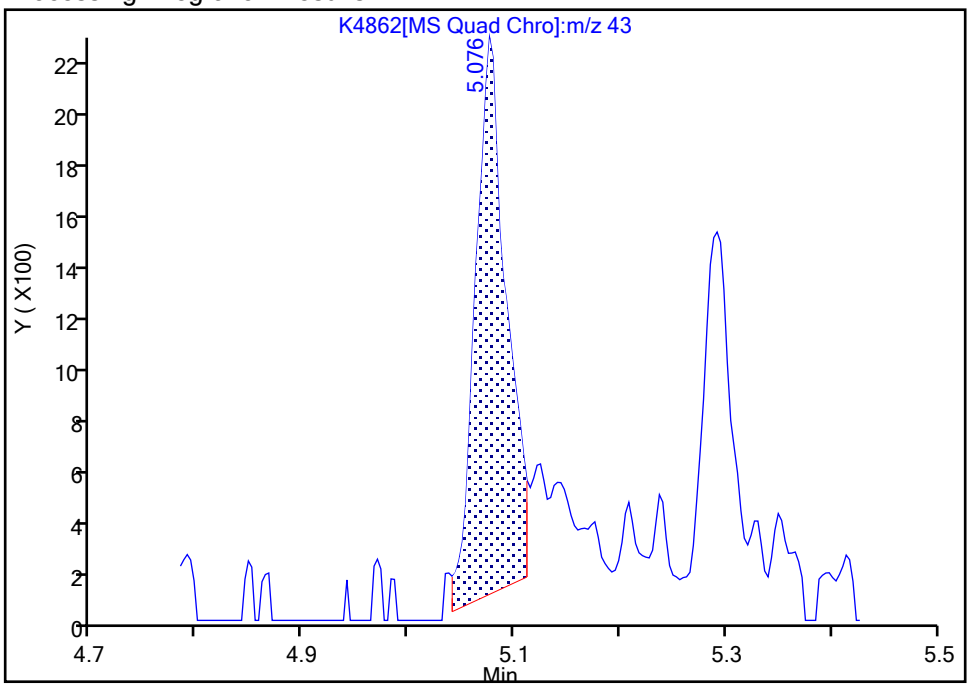
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

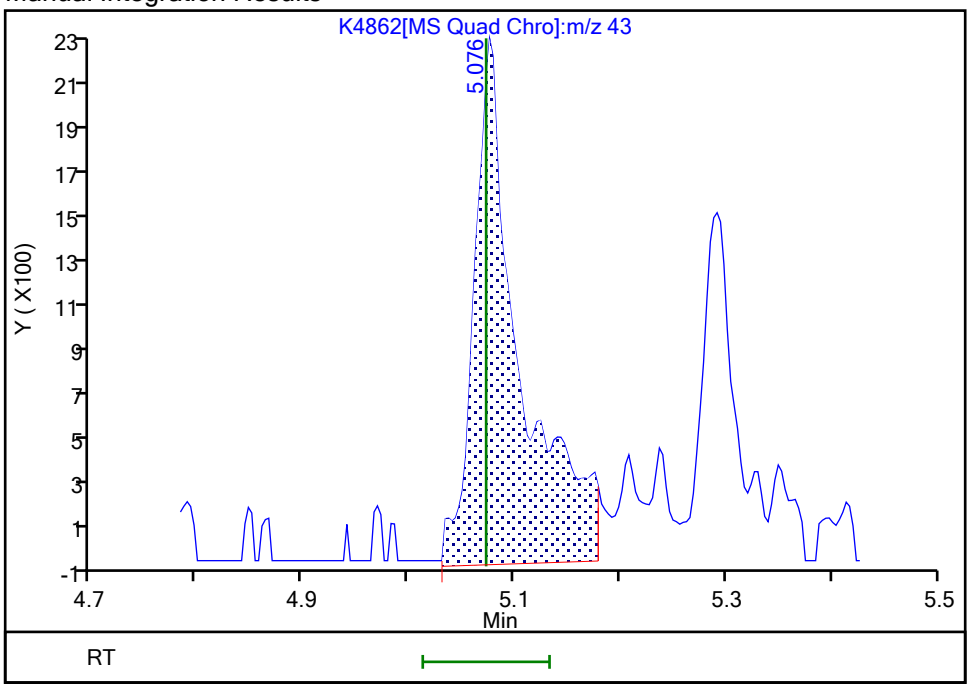
Processing Integration Results

RT: 5.08
Area: 4469
Amount: 7.721262
Amount Units: ug/L



Manual Integration Results

RT: 5.08
Area: 6970
Amount: 10.368089
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:54:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

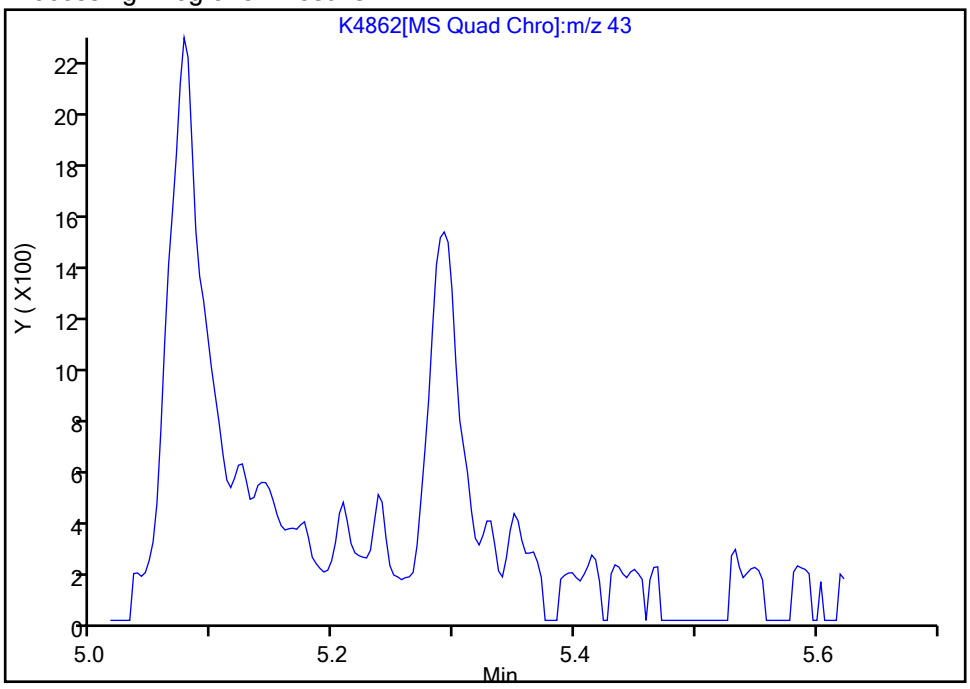
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

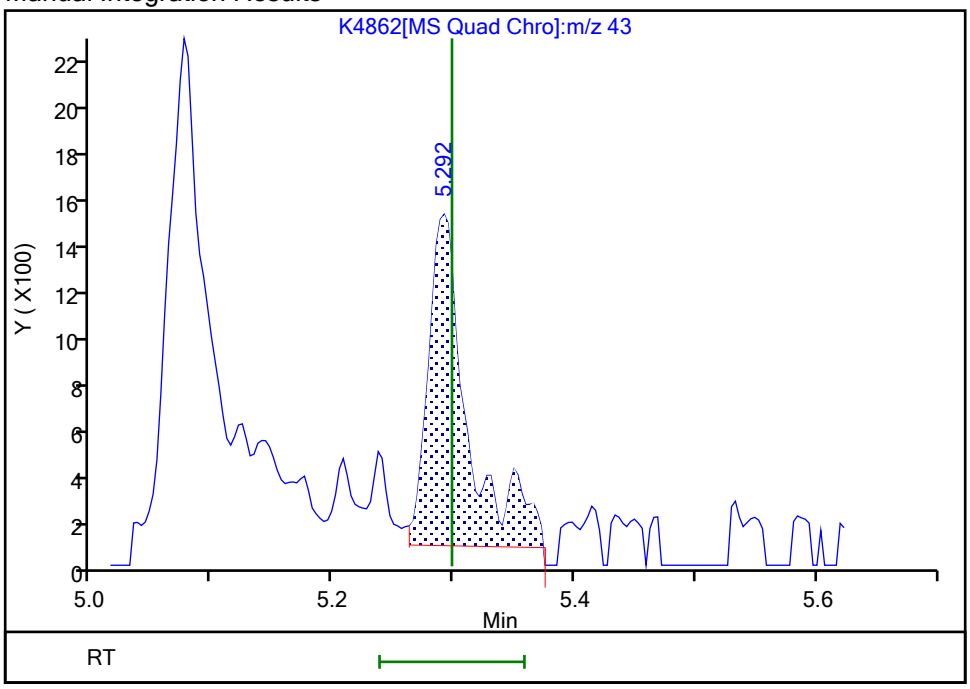
Not Detected
Expected RT: 5.30

Processing Integration Results



Manual Integration Results

RT: 5.29
Area: 3228
Amount: 0.378036
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:54:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

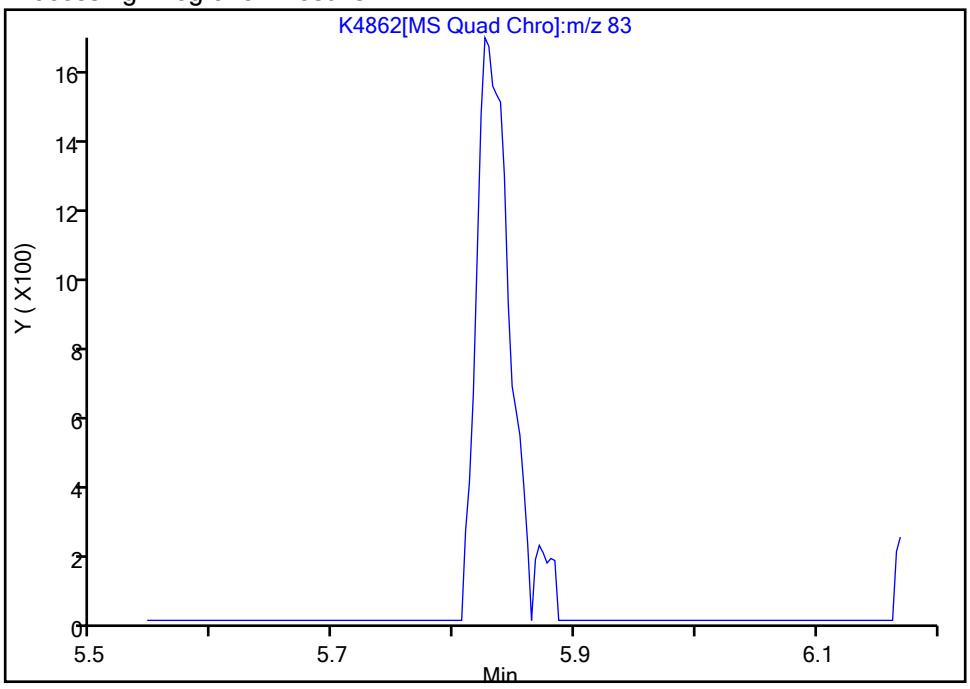
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

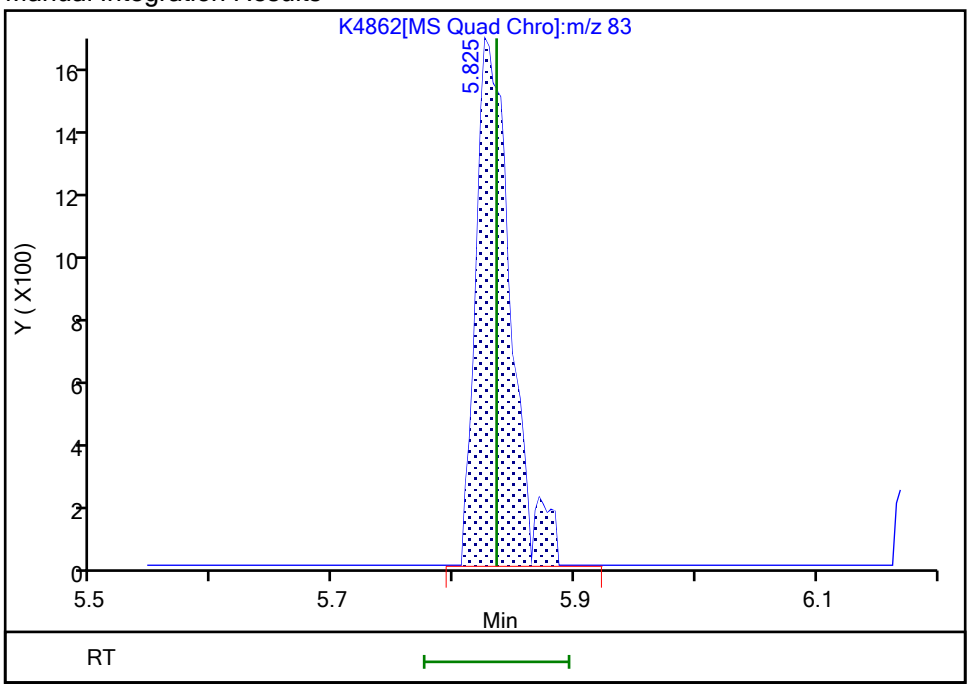
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.83
Area: 3372
Amount: 0.856875
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:54:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

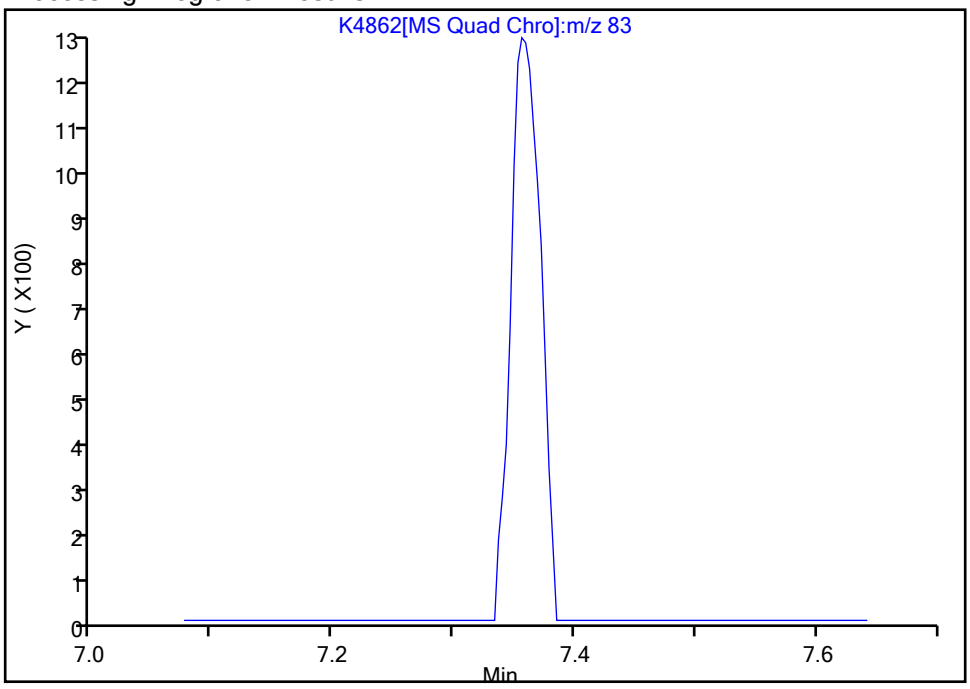
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

78 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

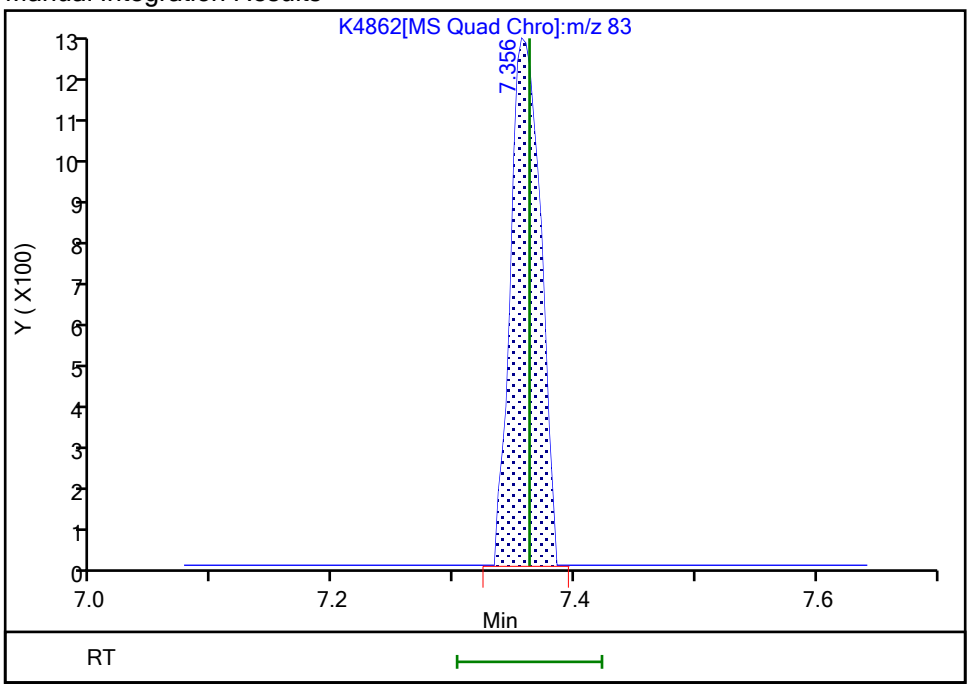
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Area: 2171
Amount: 0.372473
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:55:06 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

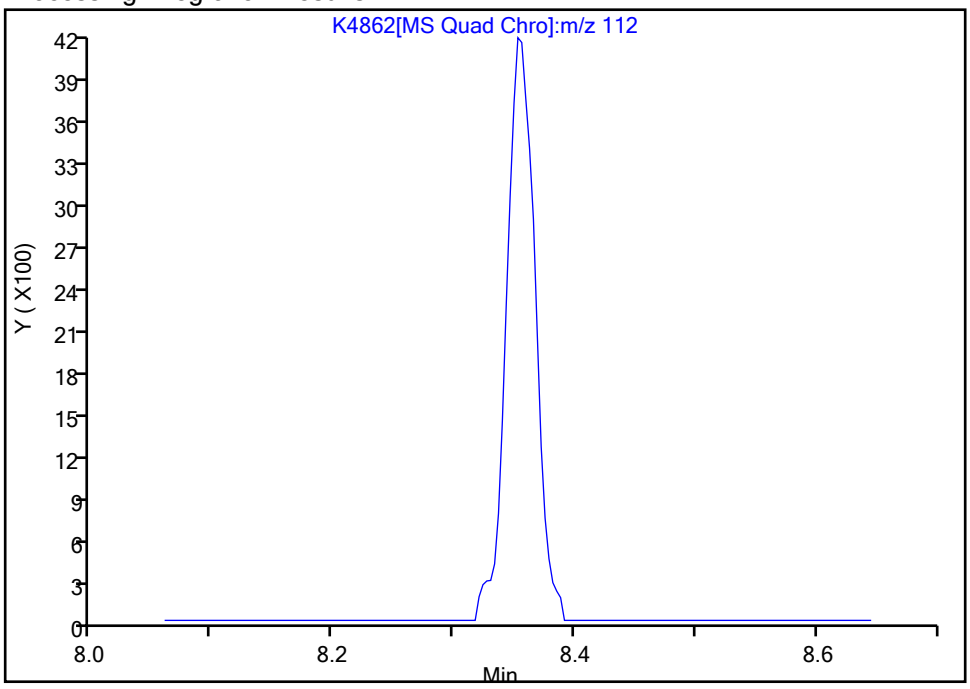
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

86 Chlorobenzene, CAS: 108-90-7

Signal: 1

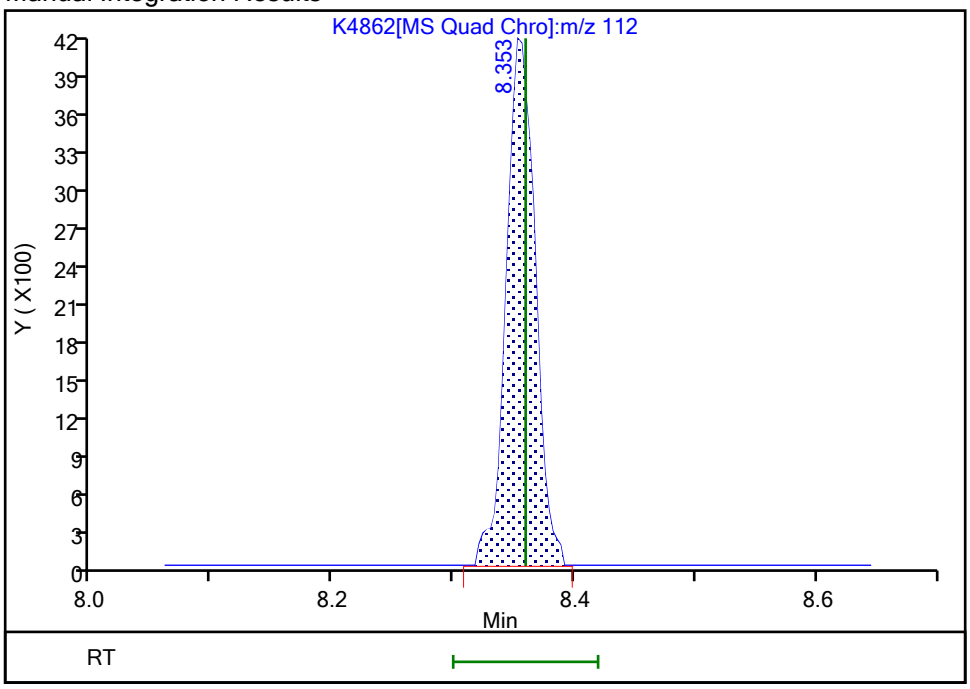
Not Detected
Expected RT: 8.36

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 6991
Amount: 0.342664
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:55:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

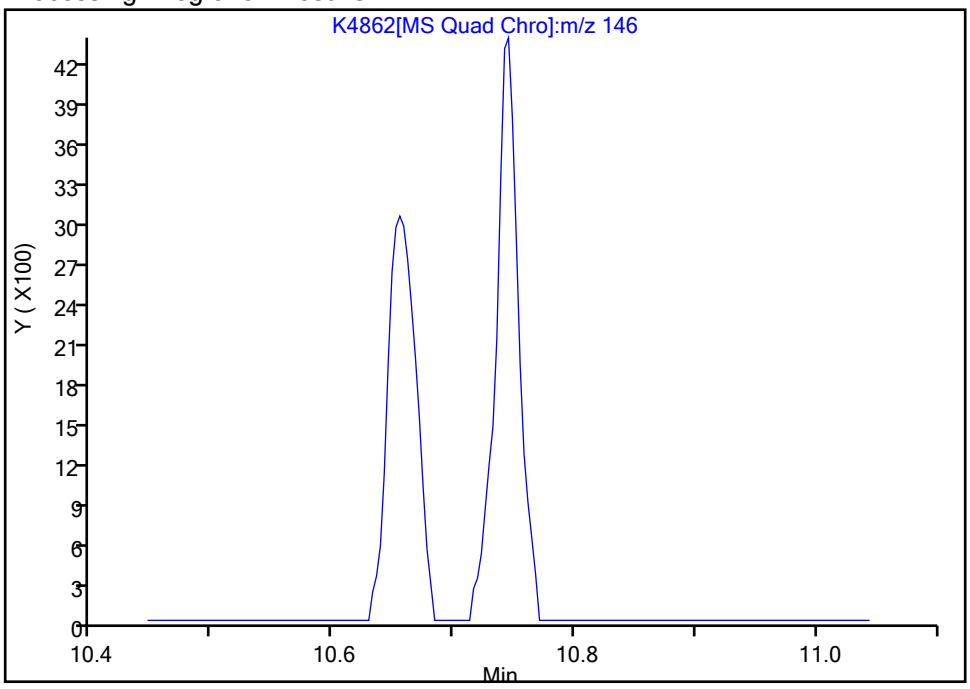
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4862.D
Injection Date: 17-Sep-2024 15:15:22 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

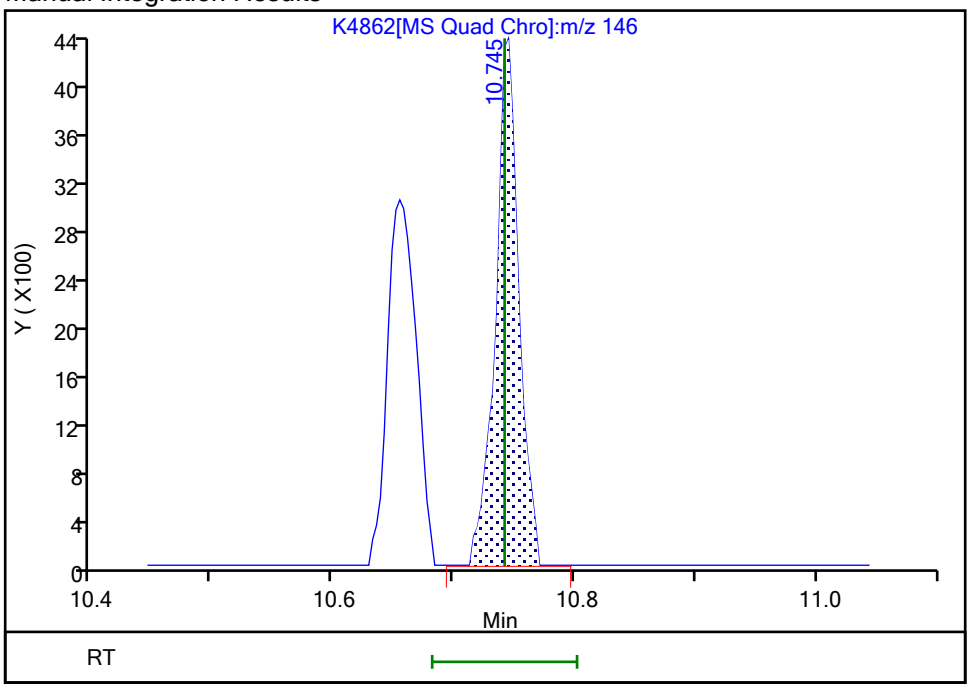
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.74
Area: 5813
Amount: 0.363286
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:55:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Sep-2024 15:37:42 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0120078-014
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:02:52 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 10:00:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	99	178728	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	87	678340	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	341183	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.742	0.000	92	237630	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.047	0.000	95	291848	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	6.858	6.858	0.000	94	905654	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	262477	25.0	25.1	
11 Dichlorodifluoromethane	85	1.179	1.182	-0.003	98	11300	1.00	0.9476	
13 Chloromethane	50	1.350	1.353	-0.003	0	14203	1.00	1.07	M
14 Vinyl chloride	62	1.436	1.443	-0.007	96	9297	1.00	0.9309	
151 Butadiene	54	1.469	1.472	-0.003	92	8807	1.00	0.9102	
15 Bromomethane	94	1.748	1.748	0.000	92	6495	1.00	0.9533	
16 Chloroethane	64	1.842	1.845	-0.003	92	5955	1.00	0.9016	M
18 Dichlorofluoromethane	67	2.060	2.057	0.003	0	16823	1.00	0.9747	M
17 Trichlorofluoromethane	101	2.057	2.076	-0.019	71	12371	1.00	0.9213	
19 Ethyl ether	59	2.356	2.353	0.003	86	6850	1.00	0.9030	
21 Acrolein	56	2.504	2.504	0.000	95	6363	5.00	4.83	M
22 1,1-Dichloroethene	96	2.565	2.562	0.003	94	4949	1.00	1.14	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.591	2.594	-0.003	0	4849	1.00	1.29	M
23 Acetone	43	2.674	2.662	0.012	98	20021	5.00	4.95	M
24 Iodomethane	142	2.710	2.710	0.000	99	11736	1.00	0.9664	M
25 Carbon disulfide	76	2.768	2.761	0.007	100	16274	1.00	0.8554	M
27 3-Chloro-1-propene	41	2.932	2.928	0.004	86	10605	1.00	0.9008	
28 Methyl acetate	43	2.983	2.973	0.010	100	16577	2.00	1.89	Ma
30 Methylene Chloride	84	3.067	3.067	0.000	95	9492	1.00	0.9696	
31 2-Methyl-2-propanol	59	3.247	3.237	0.010	95	17822	10.0	9.01	M
33 Methyl tert-butyl ether	73	3.314	3.311	0.003	98	23265	1.00	0.9627	
32 trans-1,2-Dichloroethene	96	3.311	3.314	-0.003	76	6076	1.00	0.8253	
34 Acrylonitrile	53	3.334	3.324	0.010	95	52098	10.0	9.98	M
35 Hexane	57	3.546	3.546	0.000	91	8495	1.00	0.8115	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.723	3.723	0.000	96	12666	1.00	0.8550	
39 Vinyl acetate	43	3.784	3.780	0.004	98	31281	2.00	1.75	
42 2,2-Dichloropropane	77	4.256	4.256	0.000	0	6482	1.00	0.9466	M
43 cis-1,2-Dichloroethene	96	4.279	4.279	0.000	80	7711	1.00	0.9198	
44 2-Butanone (MEK)	43	4.314	4.305	0.009	99	32348	5.00	4.75	M
47 Chlorobromomethane	128	4.514	4.507	0.007	94	4183	1.00	0.9406	
48 Tetrahydrofuran	42	4.565	4.546	0.019	0	10925	2.00	2.42	M
50 Chloroform	83	4.591	4.591	0.000	96	15256	1.00	1.02	
51 1,1,1-Trichloroethane	97	4.723	4.723	0.000	97	9479	1.00	1.21	
52 Cyclohexane	56	4.755	4.755	0.000	89	10348	1.00	1.29	
53 Carbon tetrachloride	117	4.874	4.874	0.000	0	5867	1.00	1.20	M
54 1,1-Dichloropropene	75	4.883	4.877	0.006	94	8556	1.00	0.8422	
56 Isobutyl alcohol	43	5.083	5.073	0.010	63	15969	25.0	22.8	M
55 Benzene	78	5.073	5.073	0.000	97	26442	1.00	0.8818	
57 1,2-Dichloroethane	62	5.124	5.118	0.006	97	12410	1.00	0.9557	
59 n-Heptane	43	5.295	5.298	-0.003	87	7390	1.00	0.8308	
60 Trichloroethene	95	5.690	5.690	0.000	94	7451	1.00	0.9177	
62 Methylcyclohexane	83	5.835	5.835	0.000	93	9433	1.00	1.26	
63 1,2-Dichloropropane	63	5.912	5.909	0.003	88	7316	1.00	0.9023	
65 Dibromomethane	93	6.041	6.041	0.000	87	5763	1.00	1.05	
66 1,4-Dioxane	88	6.073	6.057	0.016	58	2409	20.0	19.0	
67 Dichlorobromomethane	83	6.198	6.198	0.000	95	8431	1.00	0.8815	
69 2-Chloroethyl vinyl ether	63	6.481	6.478	0.003	93	5815	1.00	0.8746	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	94	10822	1.00	0.9245	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.761	0.003	96	66713	5.00	4.90	
73 Toluene	92	6.922	6.922	0.000	98	16917	1.00	0.8927	
75 trans-1,3-Dichloropropene	75	7.179	7.179	0.000	96	9392	1.00	0.8955	
77 Ethyl methacrylate	69	7.250	7.247	0.003	88	9984	1.00	0.9106	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	93	6005	1.00	0.9757	
79 Tetrachloroethene	166	7.465	7.465	0.000	89	6720	1.00	0.8173	
80 1,3-Dichloropropane	76	7.523	7.526	-0.003	92	13095	1.00	1.00	
81 2-Hexanone	43	7.604	7.600	0.004	95	48059	5.00	4.69	
82 Chlorodibromomethane	129	7.764	7.761	0.003	88	6326	1.00	0.8752	
83 Ethylene Dibromide	107	7.864	7.864	0.000	91	7958	1.00	0.9832	
86 Chlorobenzene	112	8.356	8.359	-0.003	96	19312	1.00	0.8964	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	86	5491	1.00	0.8193	
88 Ethylbenzene	91	8.462	8.459	0.003	98	29970	1.00	0.8320	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	11631	1.00	0.8343	
91 o-Xylene	106	9.005	9.005	0.000	95	12822	1.00	0.9290	
92 Styrene	104	9.028	9.028	0.000	94	18870	1.00	0.8335	
93 Bromoform	173	9.253	9.253	0.000	92	3800	1.00	0.8525	
95 Isopropylbenzene	105	9.398	9.394	0.004	97	25998	1.00	0.8254	
97 Bromobenzene	156	9.726	9.726	0.000	94	7820	1.00	0.8972	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	94	11778	1.00	1.00	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	88	4133	1.00	1.02	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.812	0.000	71	4266	1.00	1.00	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	33703	1.00	0.8483	
105 2-Chlorotoluene	126	9.919	9.922	-0.003	95	6800	1.00	0.8162	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	94	23291	1.00	0.8171	
102 4-Chlorotoluene	91	10.031	10.031	0.000	97	24486	1.00	0.8614	
106 tert-Butylbenzene	134	10.321	10.324	-0.004	93	5188	1.00	0.8137	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	97	24871	1.00	0.8469	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	94	28130	1.00	0.7827	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	14704	1.00	0.9015	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	96	25009	1.00	0.7936	
113 1,4-Dichlorobenzene	146	10.745	10.742	0.003	93	15961	1.00	0.9480	
115 n-Butylbenzene	91	11.060	11.060	0.000	97	20974	1.00	0.7976	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	15763	1.00	0.9620	
117 1,2-Dibromo-3-Chloropropane	75	11.809	11.806	0.003	70	2060	1.00	0.8916	
119 1,2,4-Trichlorobenzene	180	12.497	12.501	-0.003	93	9526	1.00	0.9306	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	93	3244	1.00	0.9741	
121 Naphthalene	128	12.706	12.706	0.000	97	35884	1.00	0.9350	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	93	9611	1.00	0.9320	
S 123 1,3-Dichloropropene, Total	1				0			1.82	
S 126 Xylenes, Total	1				0			1.76	
S 124 1,2-Dichloroethene, Total	1				0			1.75	
S 125 Total BTEX	1				0			4.37	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GAS CORP mix_00640	Amount Added:	1.00	Units: uL	
8260 CORP mix_00258	Amount Added:	1.00	Units: uL	
K WATER IS/SS_00014	Amount Added:	5.00	Units: uL	Run Reagent

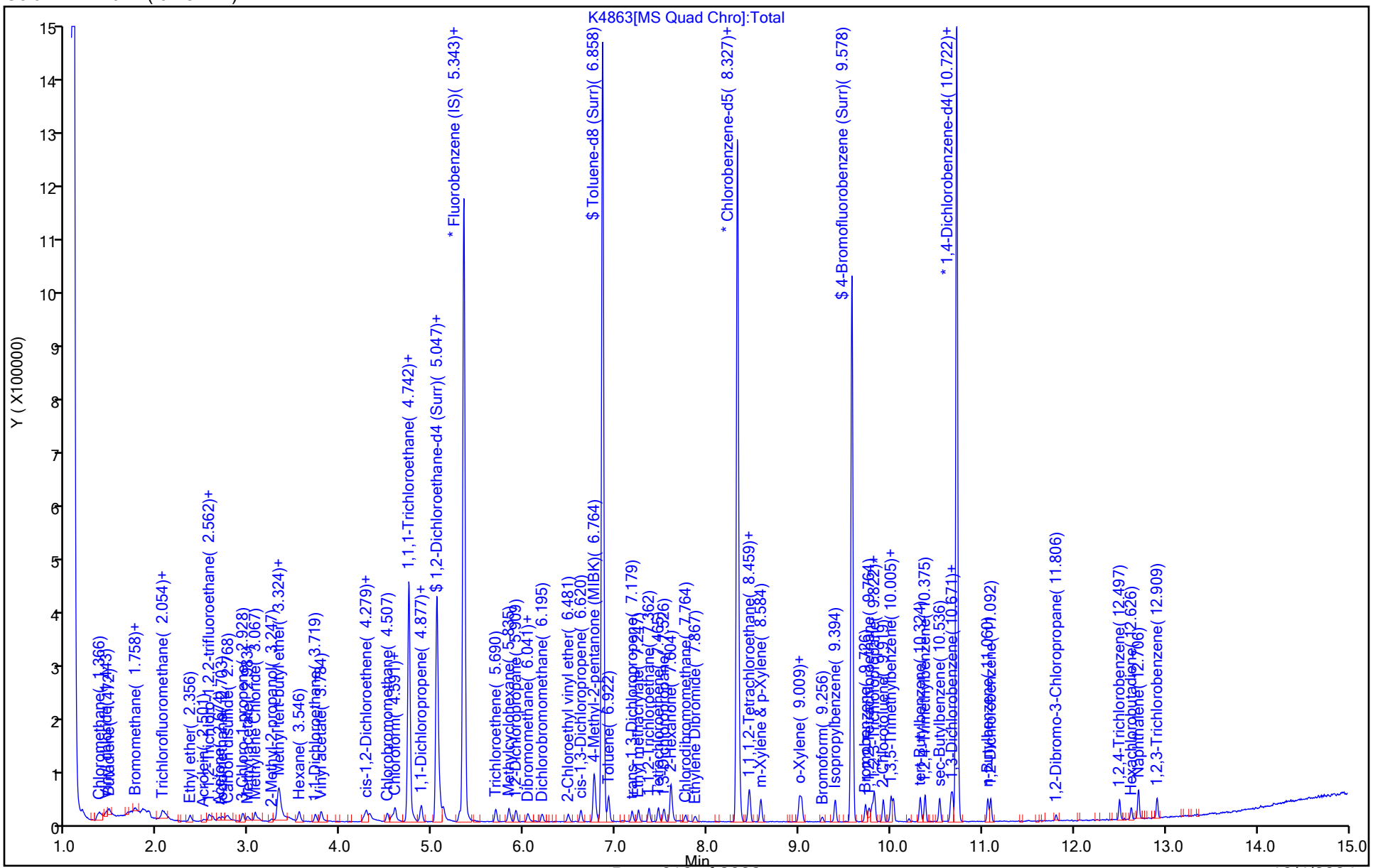
Report Date: 18-Sep-2024 11:02:54 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D

Injection Date:	17-Sep-2024 15:37:42	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

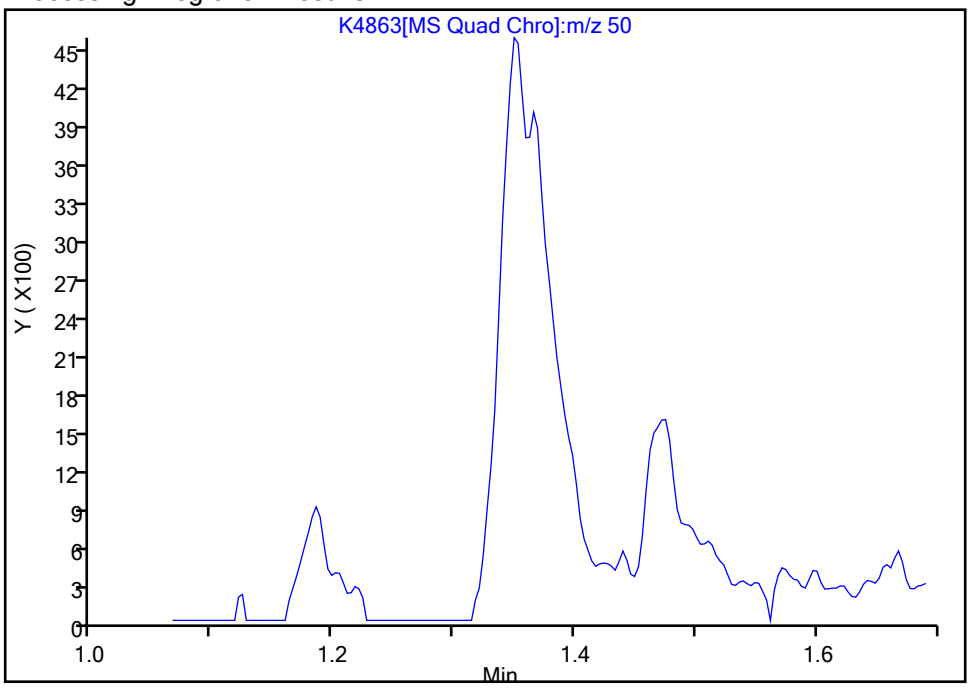
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

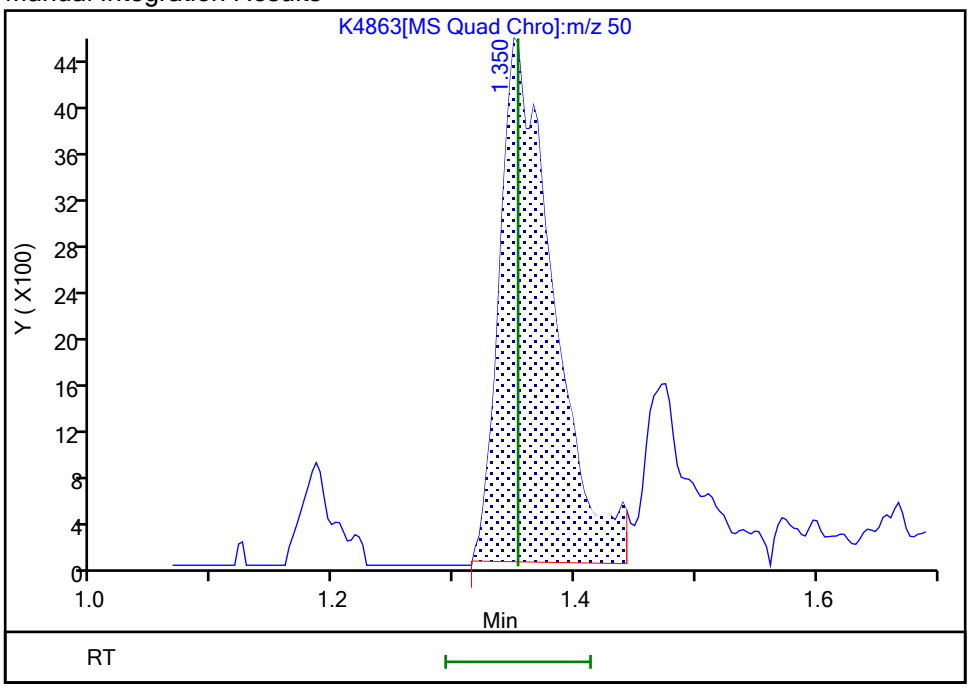
Not Detected
Expected RT: 1.35

Processing Integration Results



Manual Integration Results

RT: 1.35
Area: 14203
Amount: 1.065479
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:56:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

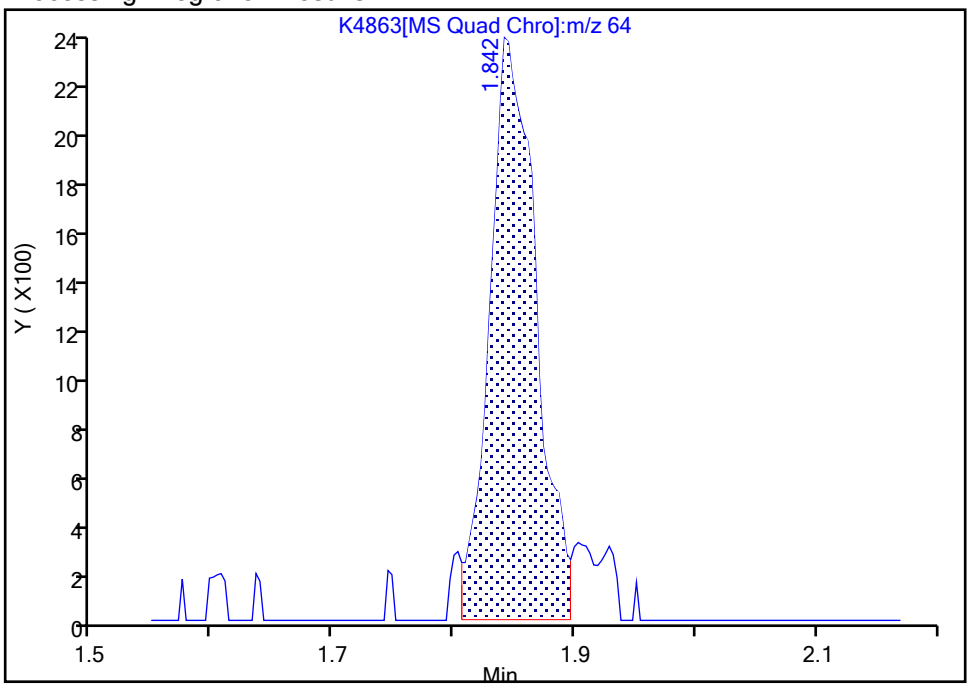
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

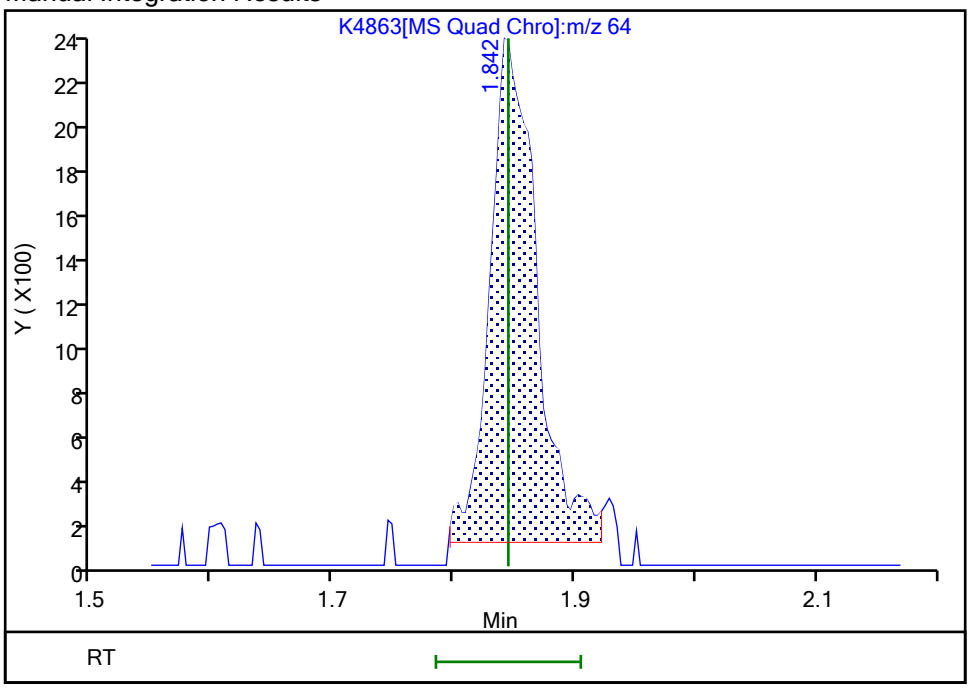
Processing Integration Results

RT: 1.84
Area: 6185
Amount: 0.918461
Amount Units: ug/L



Manual Integration Results

RT: 1.84
Area: 5955
Amount: 0.901631
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:56:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

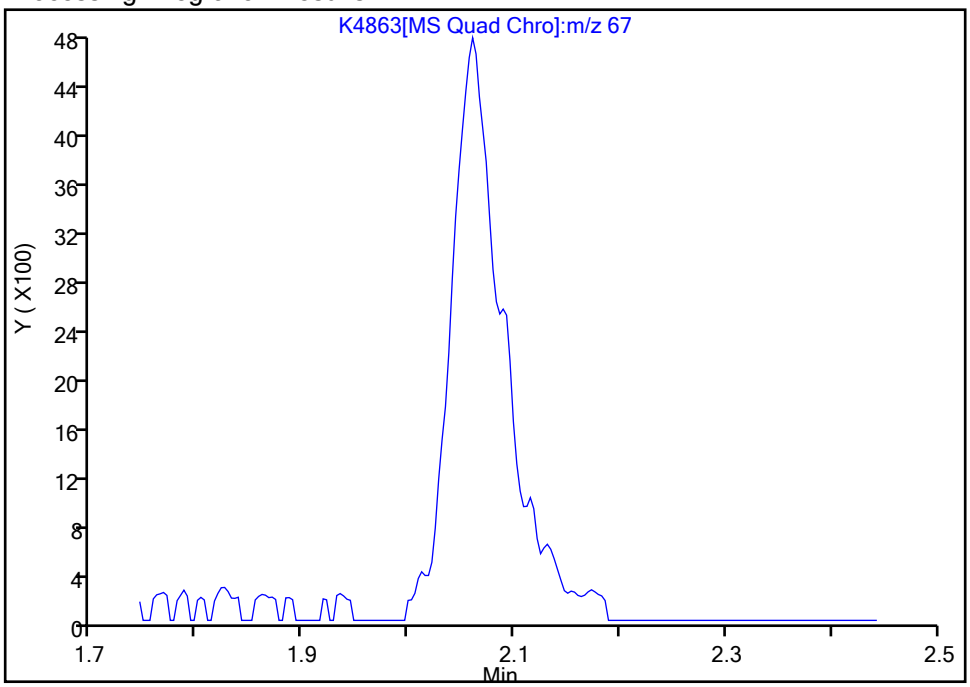
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

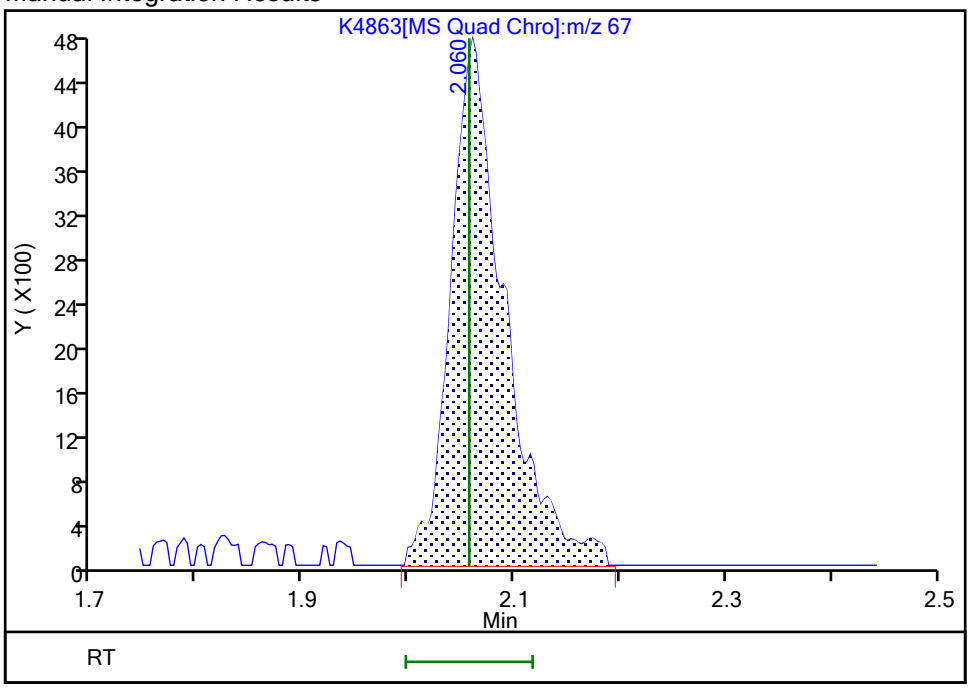
Not Detected
Expected RT: 2.06

Processing Integration Results



Manual Integration Results

RT: 2.06
Area: 16823
Amount: 0.974743
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:56:47 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

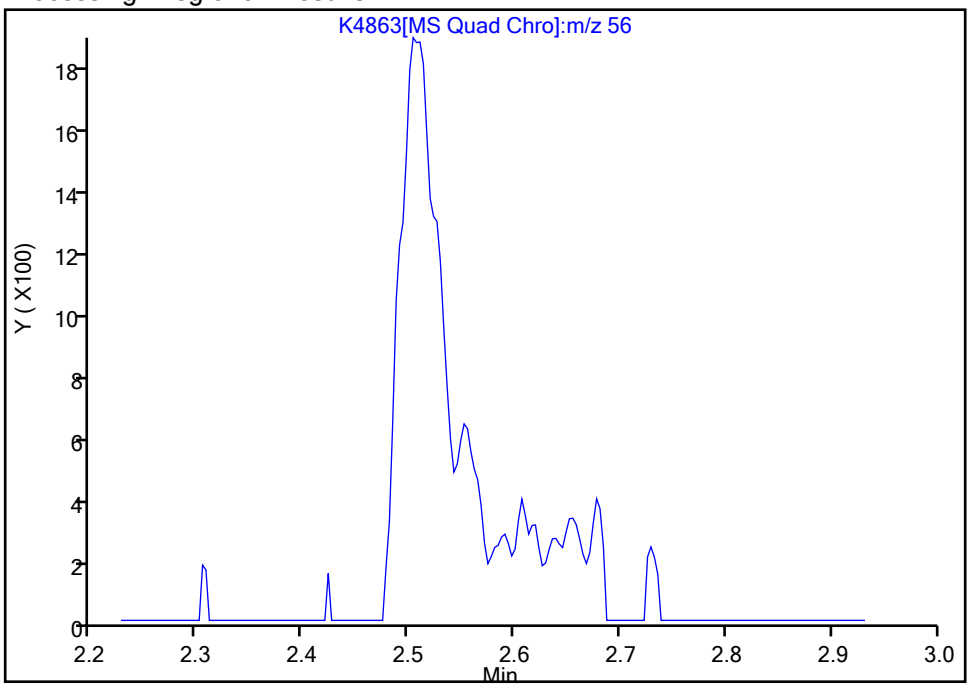
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

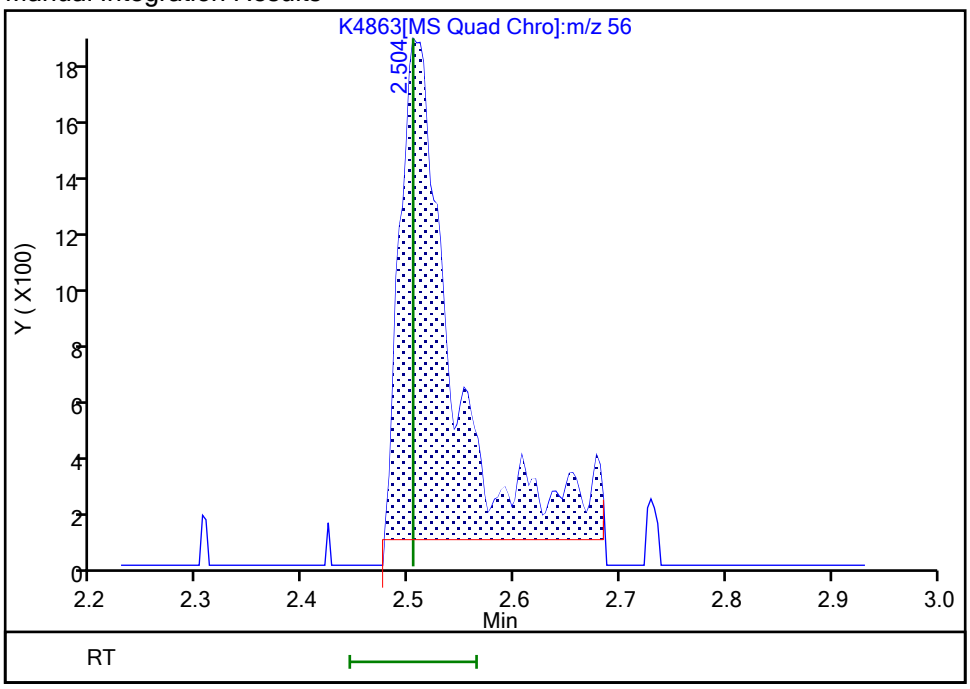
Not Detected
Expected RT: 2.50

Processing Integration Results



Manual Integration Results

RT: 2.50
Area: 6363
Amount: 4.832748
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:57:16 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

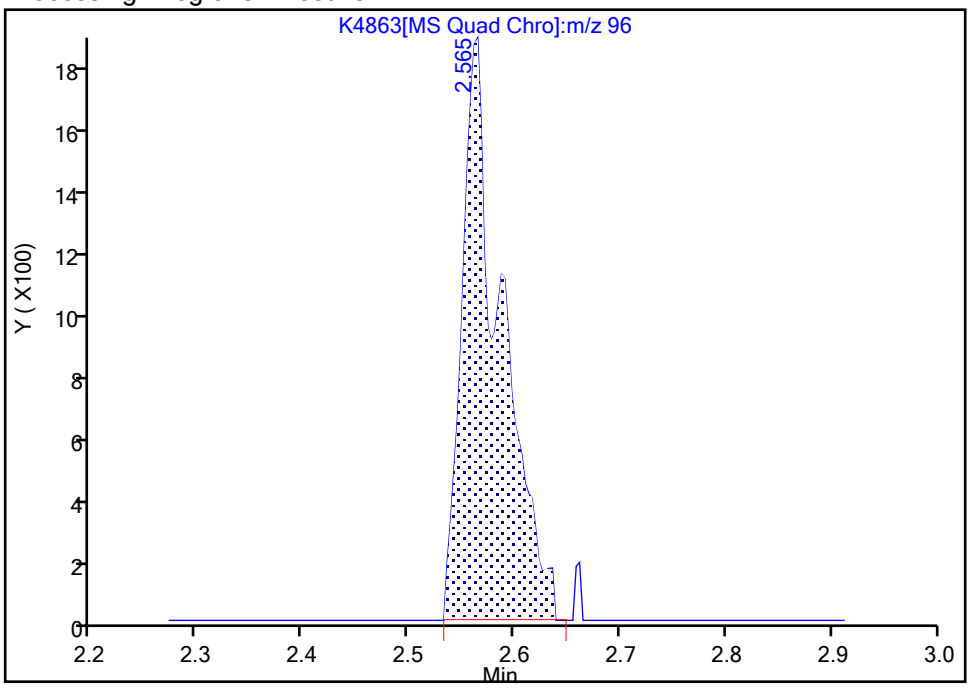
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

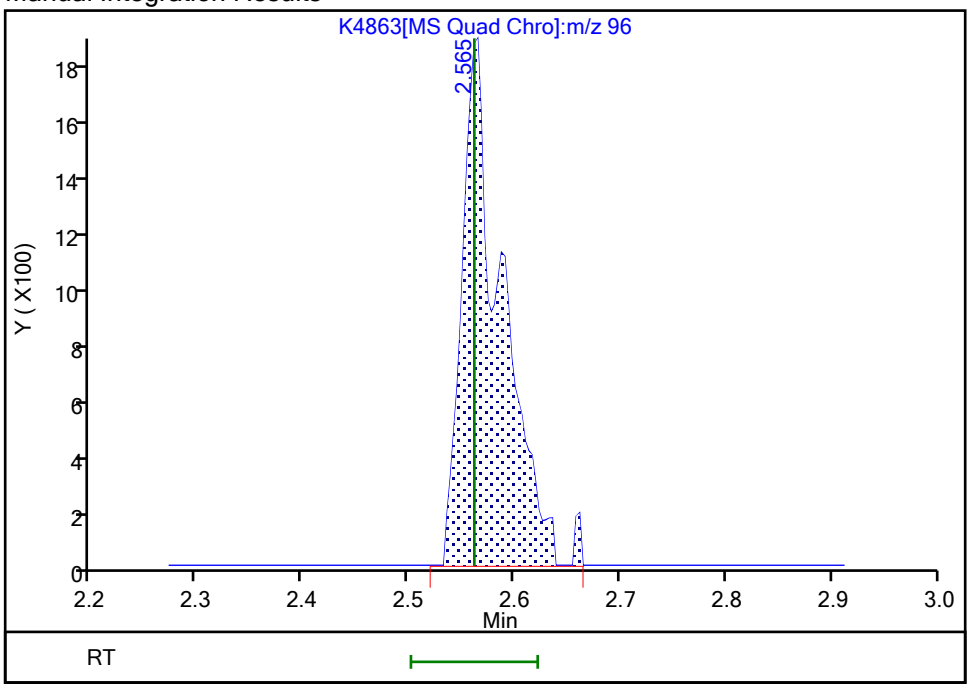
Processing Integration Results

RT: 2.57
Area: 4879
Amount: 0.790079
Amount Units: ug/L



Manual Integration Results

RT: 2.57
Area: 4949
Amount: 1.143583
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:57:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

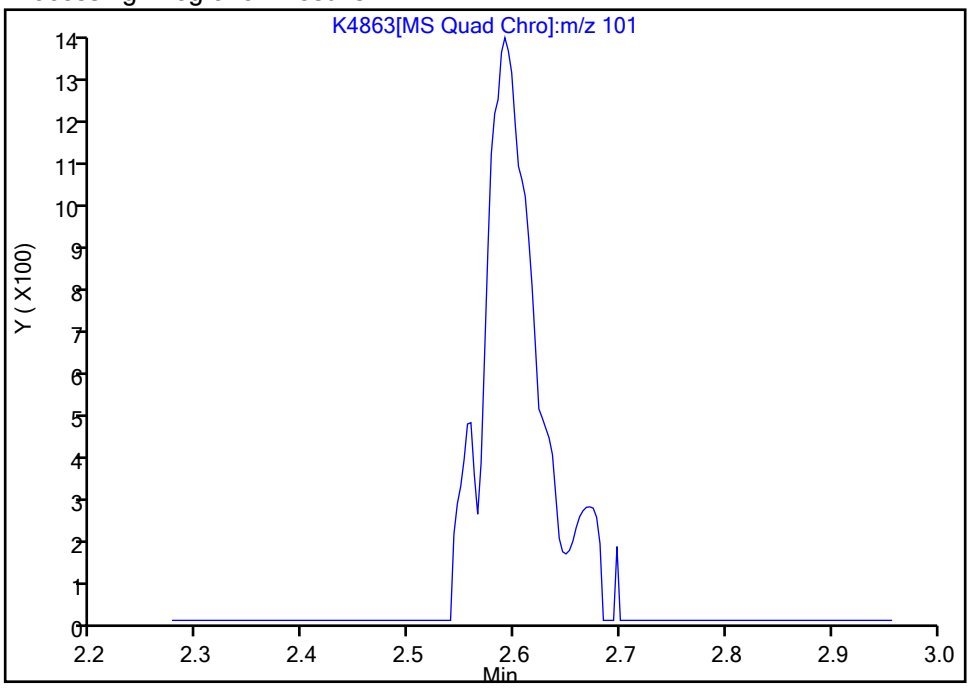
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

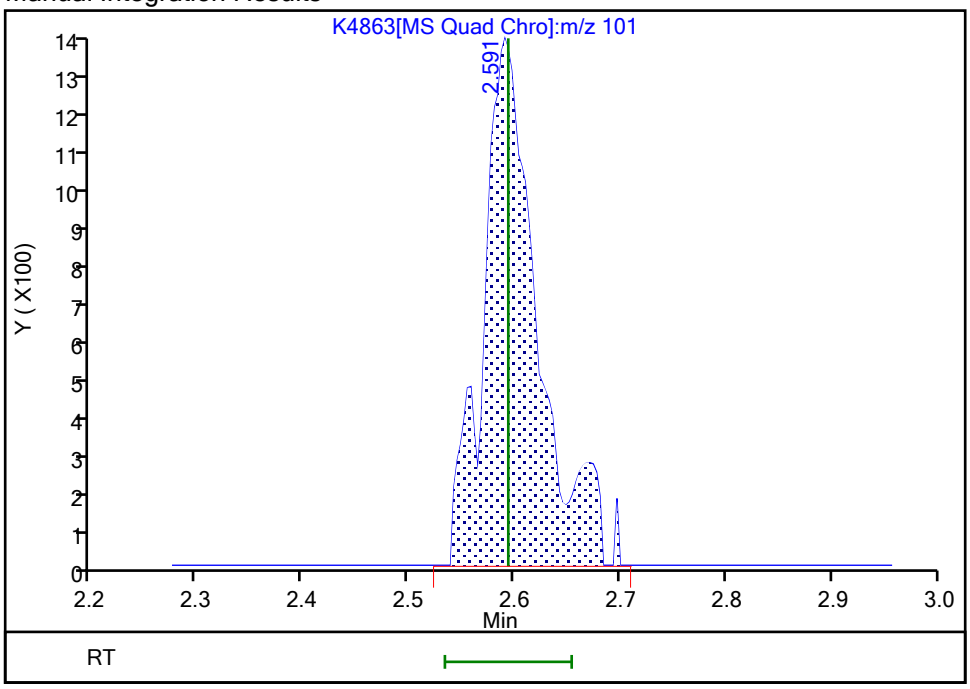
Not Detected
Expected RT: 2.59

Processing Integration Results



Manual Integration Results

RT: 2.59
Area: 4849
Amount: 1.290898
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:57:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

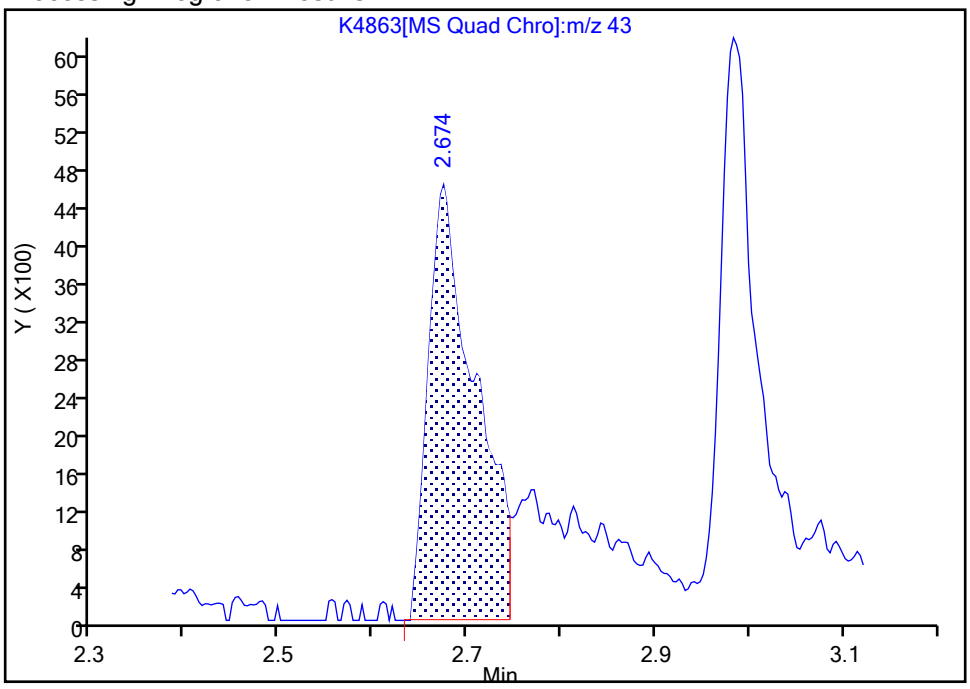
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

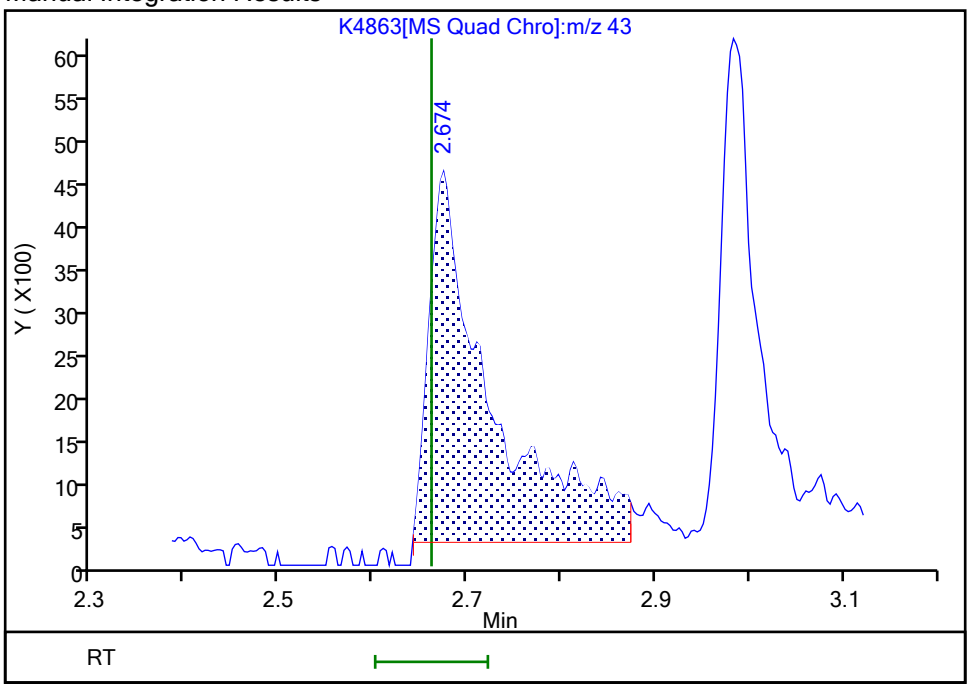
Processing Integration Results

RT: 2.67
Area: 15924
Amount: 4.671617
Amount Units: ug/L



Manual Integration Results

RT: 2.67
Area: 20021
Amount: 4.952732
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:57:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

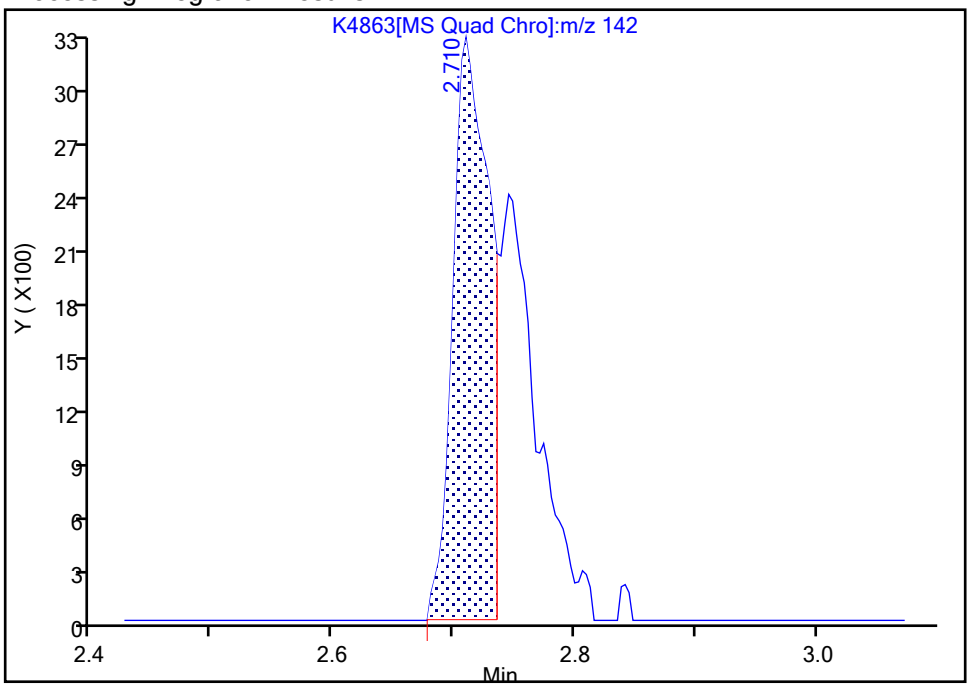
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

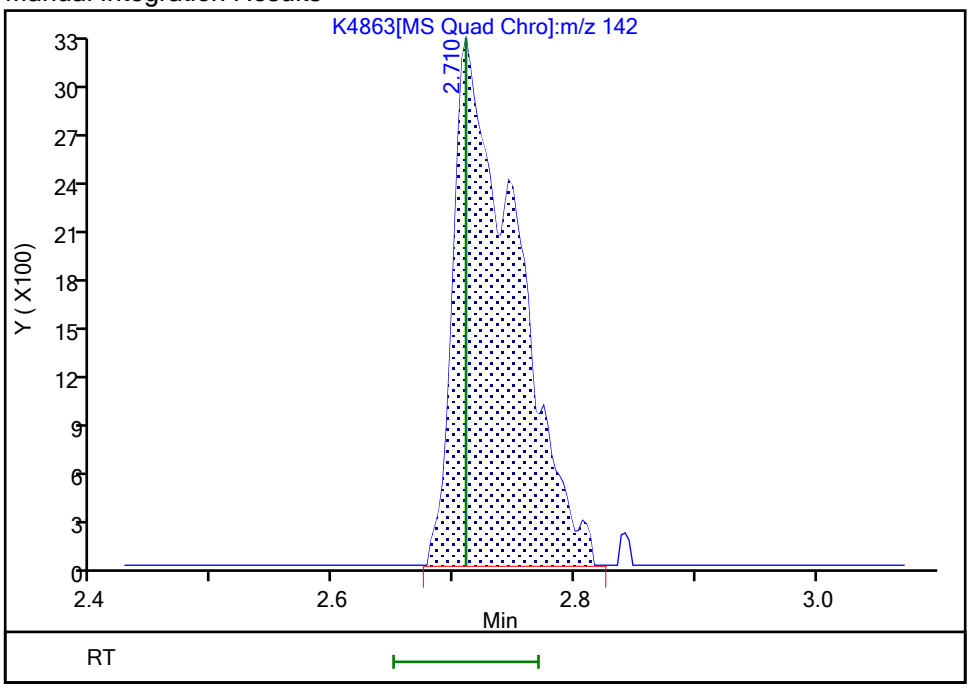
Processing Integration Results

RT: 2.71
Area: 6771
Amount: 0.863876
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 11736
Amount: 0.966392
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:57:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

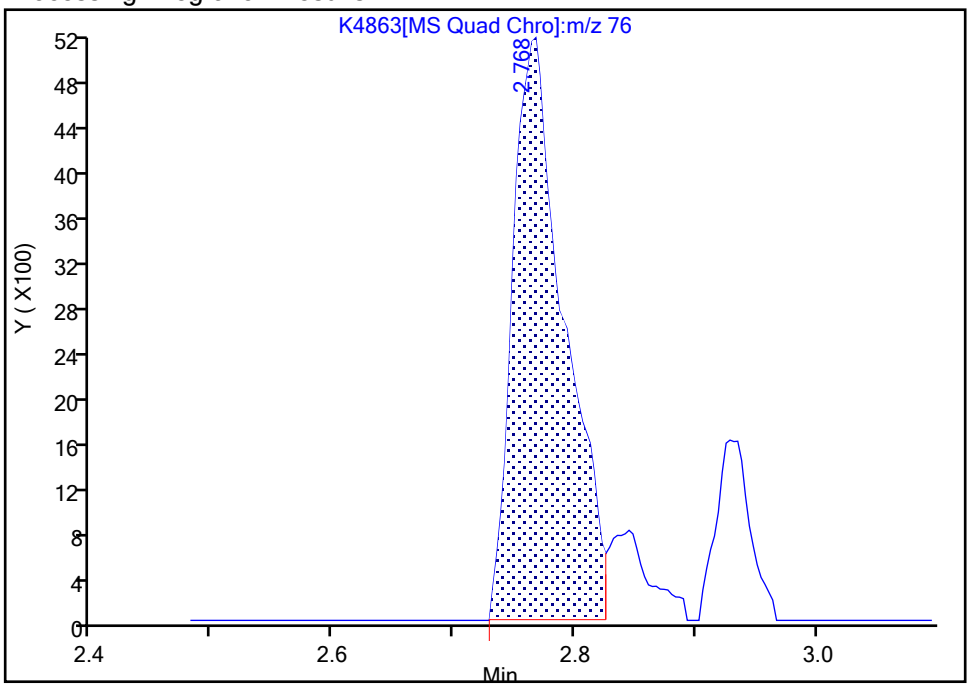
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

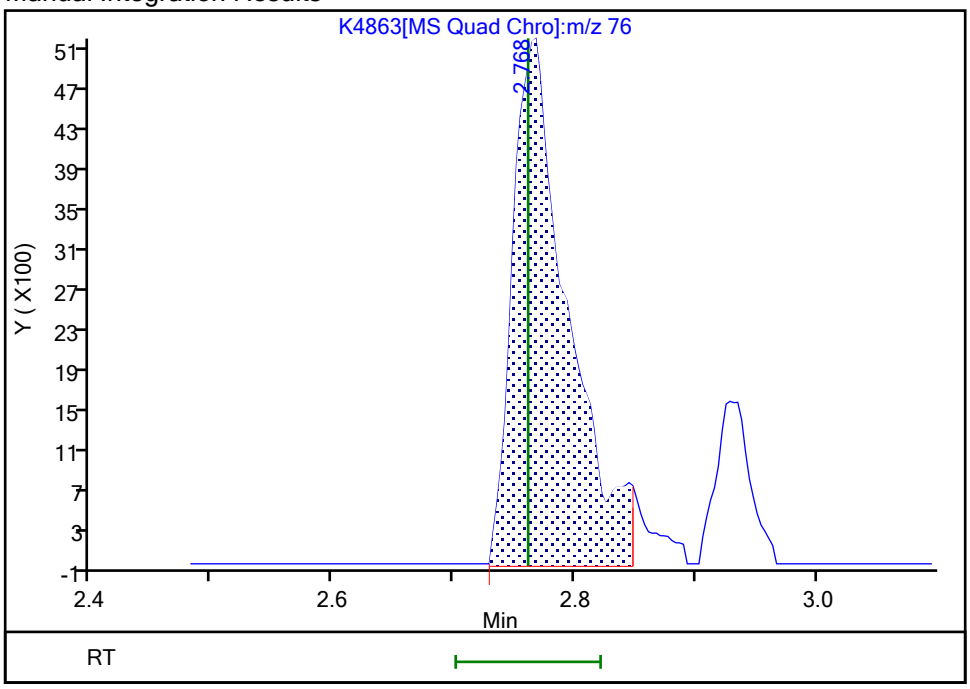
Processing Integration Results

RT: 2.77
Area: 15173
Amount: 0.803304
Amount Units: ug/L



Manual Integration Results

RT: 2.77
Area: 16274
Amount: 0.855362
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:58:01 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

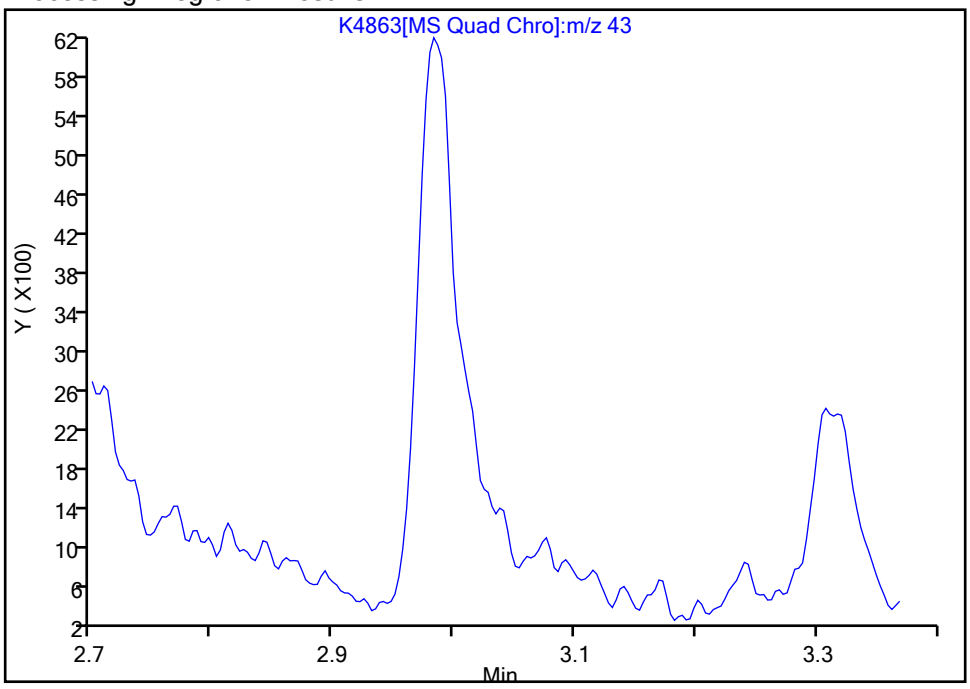
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

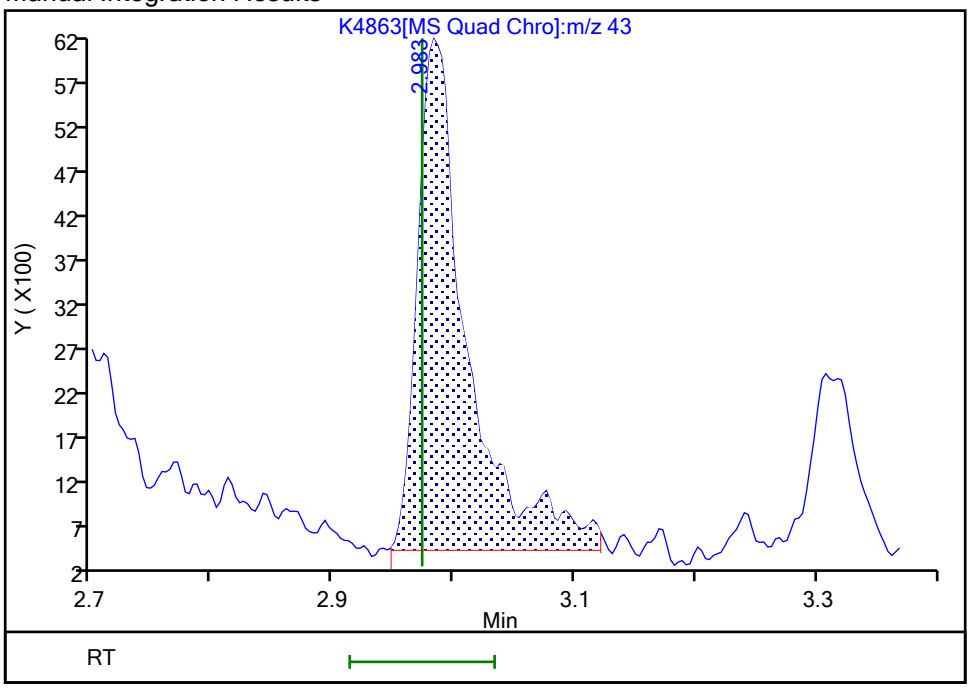
Not Detected
Expected RT: 2.97

Processing Integration Results



Manual Integration Results

RT: 2.98
Area: 16577
Amount: 1.894258
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:58:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

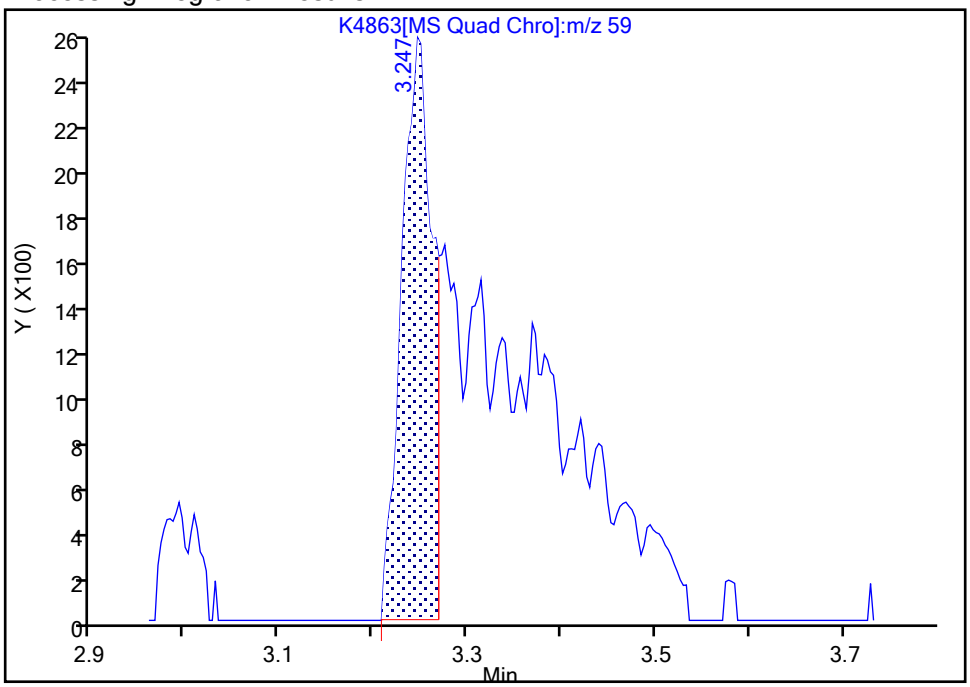
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

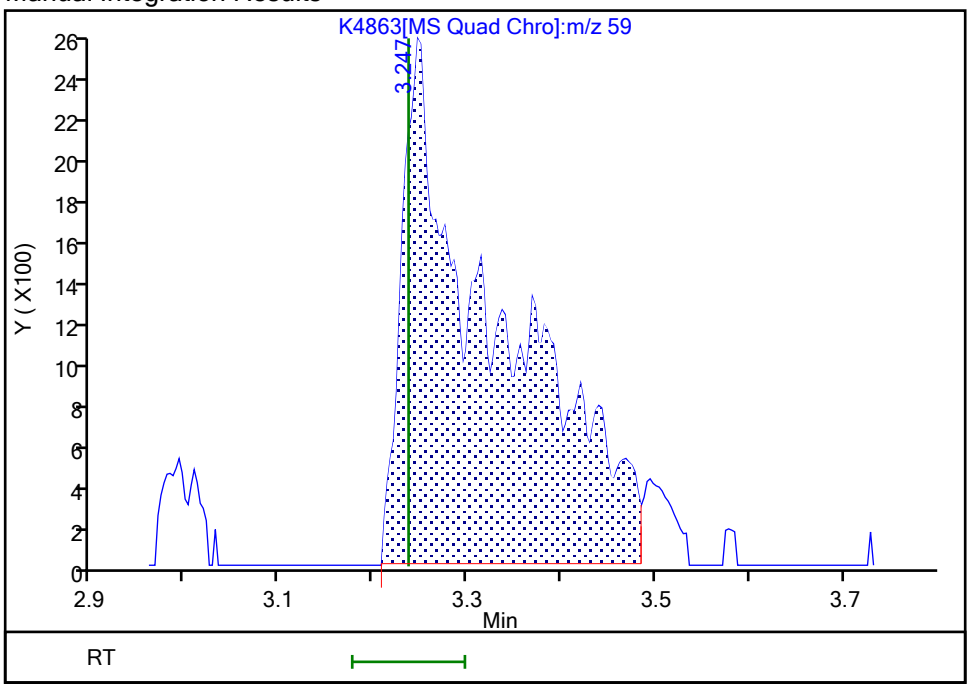
Processing Integration Results

RT: 3.25
Area: 5737
Amount: 5.396312
Amount Units: ug/L



Manual Integration Results

RT: 3.25
Area: 17822
Amount: 9.013720
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:58:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

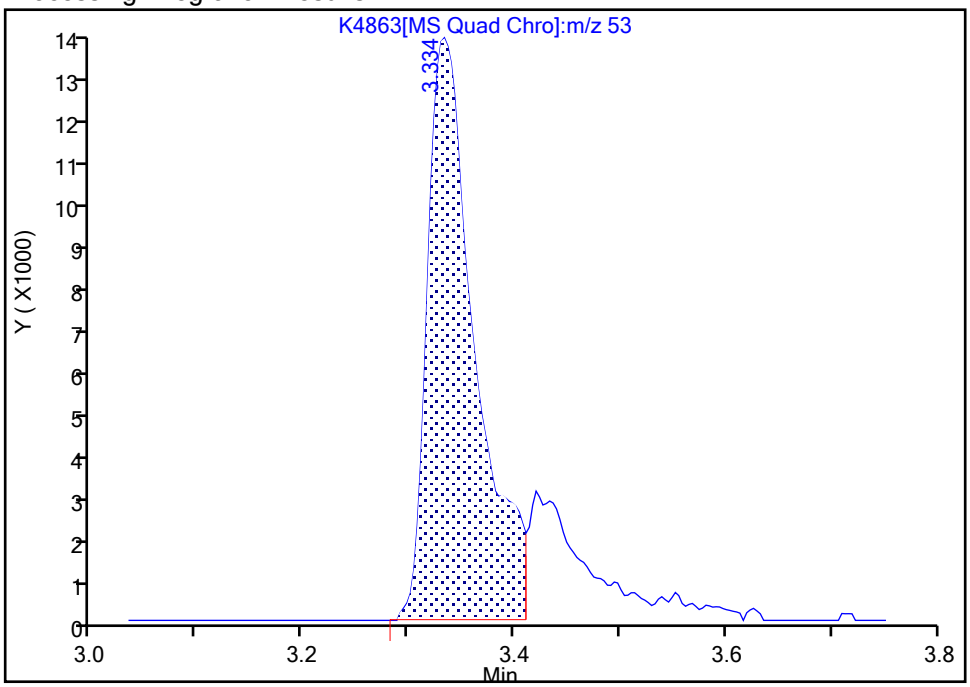
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

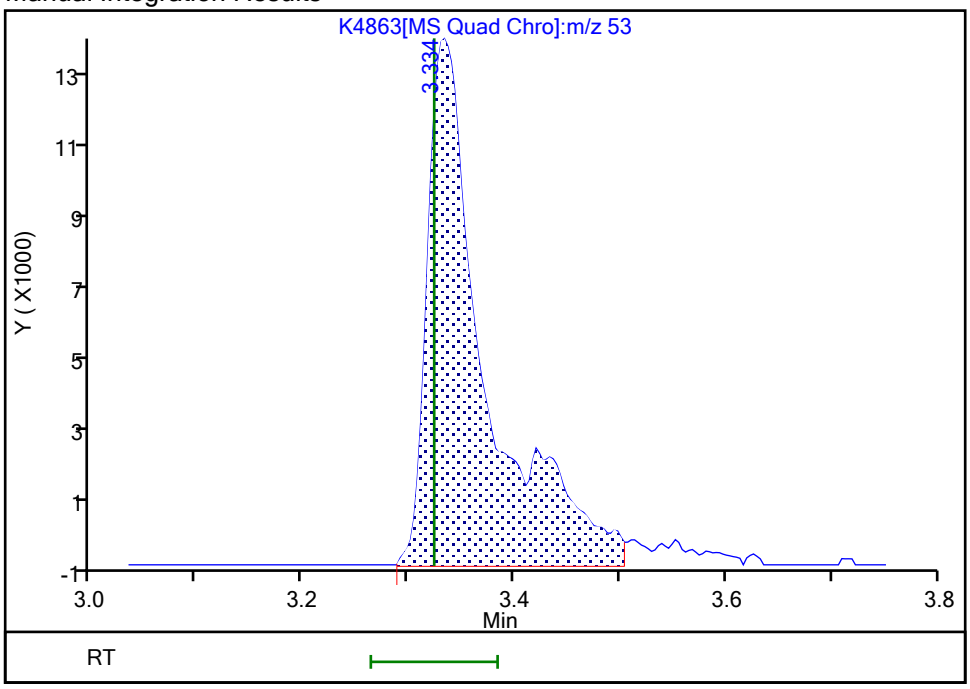
Processing Integration Results

RT: 3.33
Area: 42549
Amount: 9.042230
Amount Units: ug/L



Manual Integration Results

RT: 3.33
Area: 52098
Amount: 9.979463
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:58:44 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

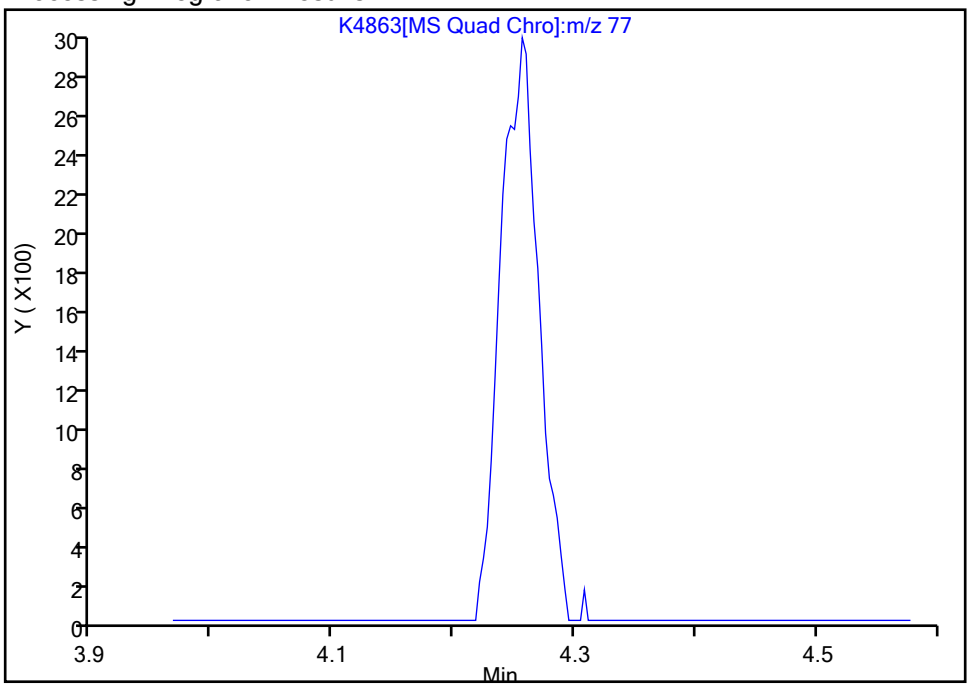
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

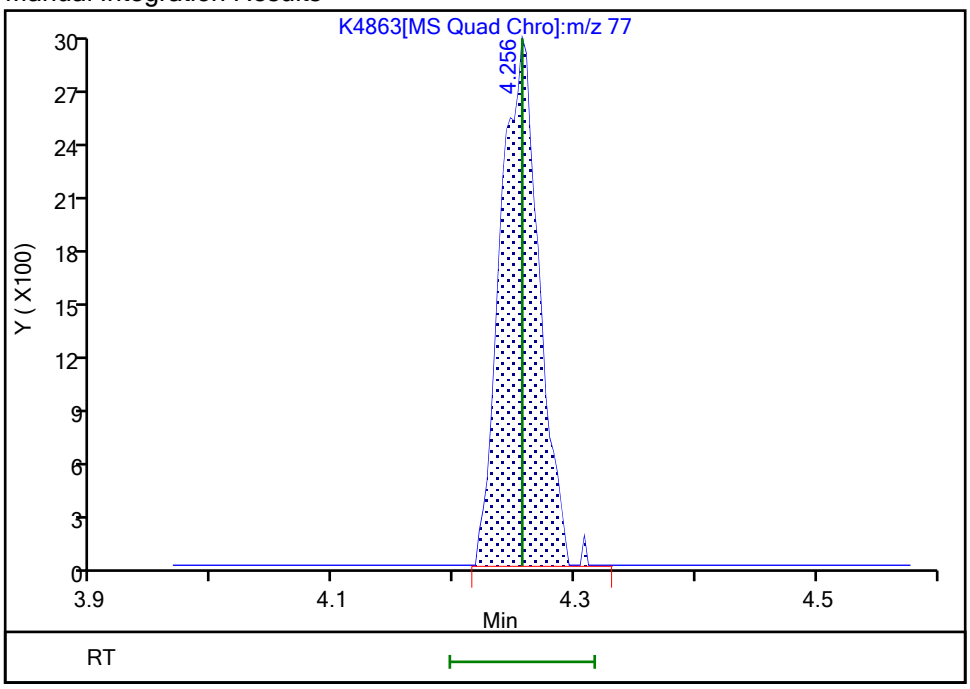
Not Detected
Expected RT: 4.26

Processing Integration Results



Manual Integration Results

RT: 4.26
Area: 6482
Amount: 0.946562
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:58:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

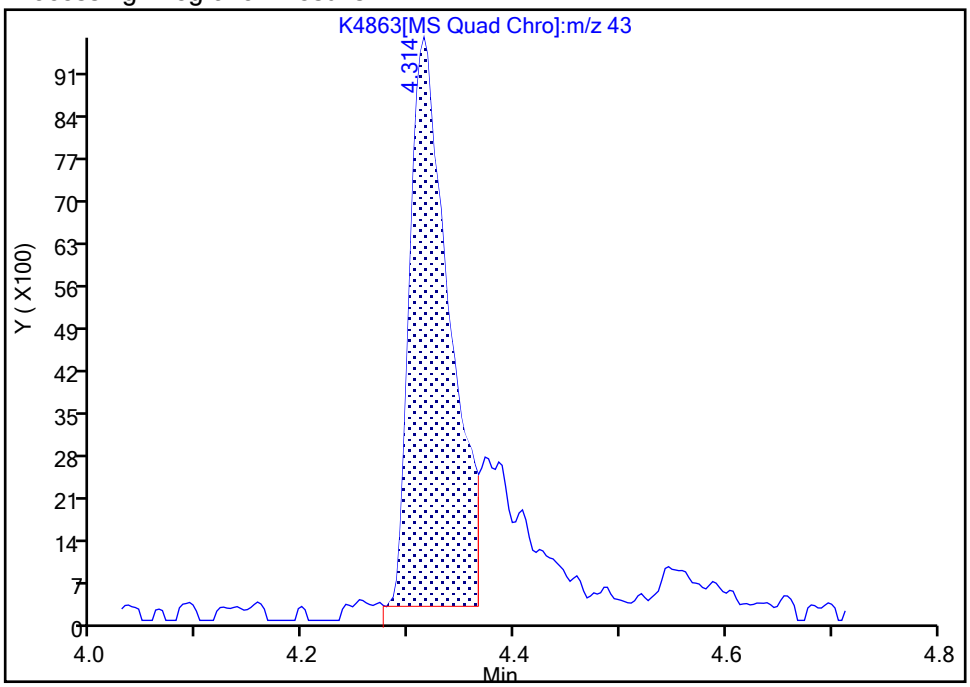
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

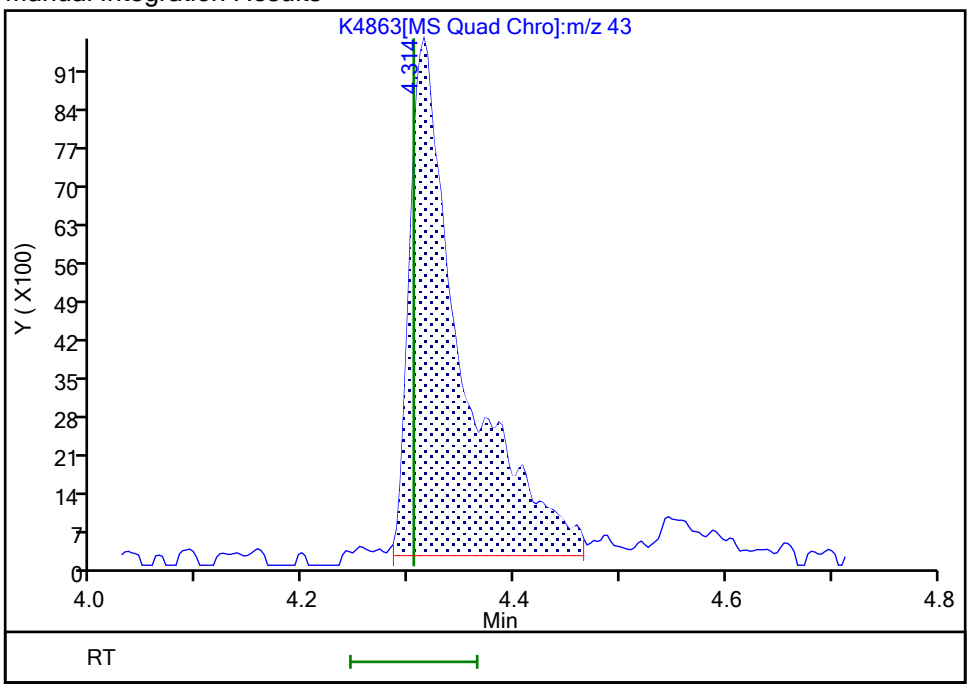
Processing Integration Results

RT: 4.31
Area: 24262
Amount: 3.867761
Amount Units: ug/L



Manual Integration Results

RT: 4.31
Area: 32348
Amount: 4.751663
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:59:01 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

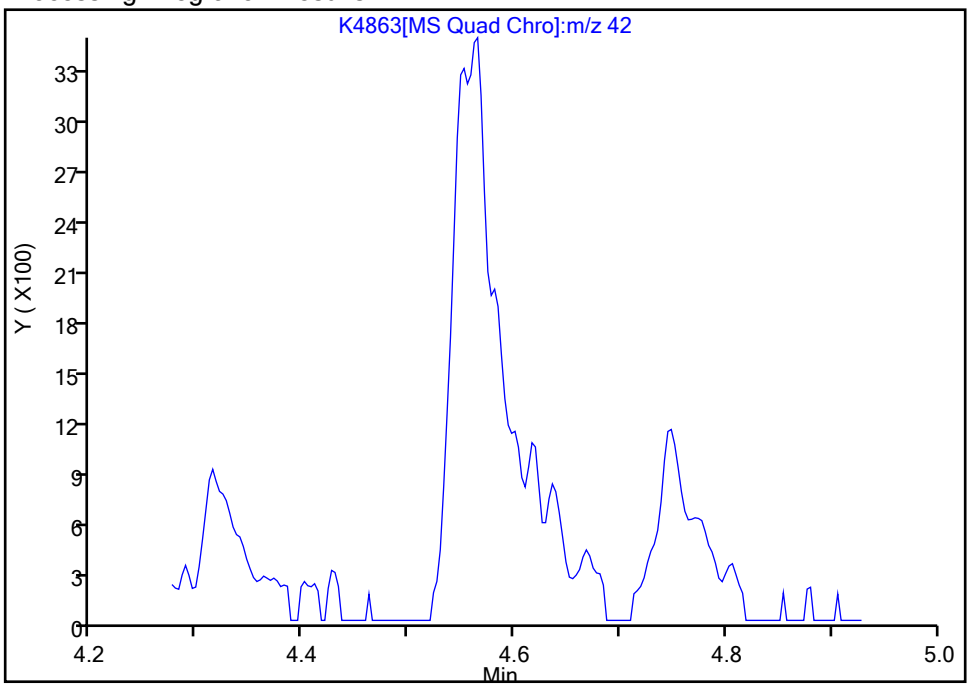
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

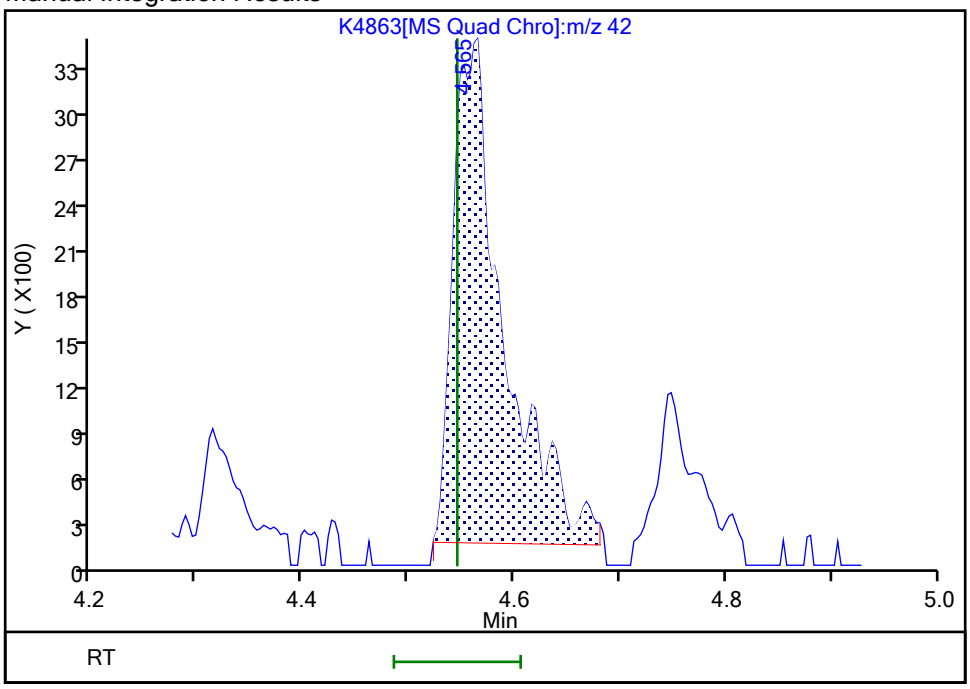
Not Detected
Expected RT: 4.55

Processing Integration Results



Manual Integration Results

RT: 4.57
Area: 10925
Amount: 2.419390
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:59:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

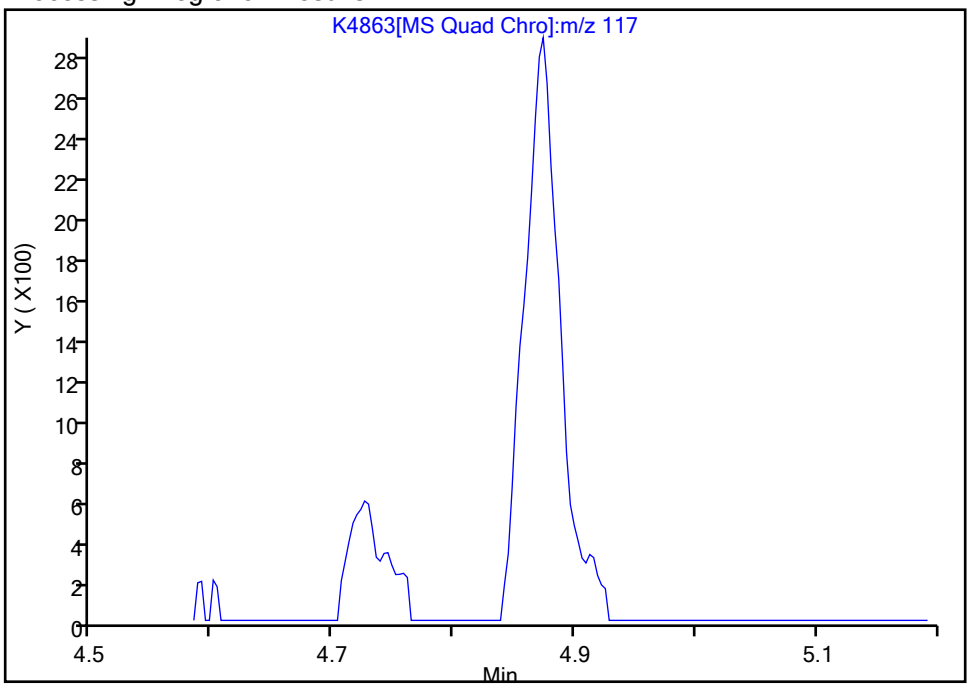
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

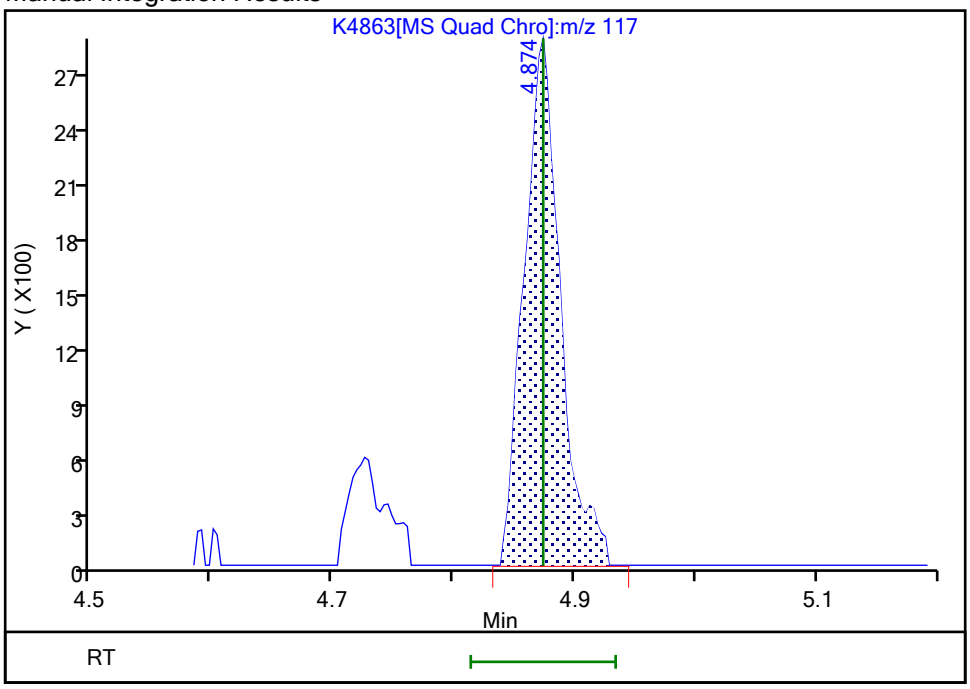
Not Detected
Expected RT: 4.87

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 5867
Amount: 1.197304
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:59:20 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

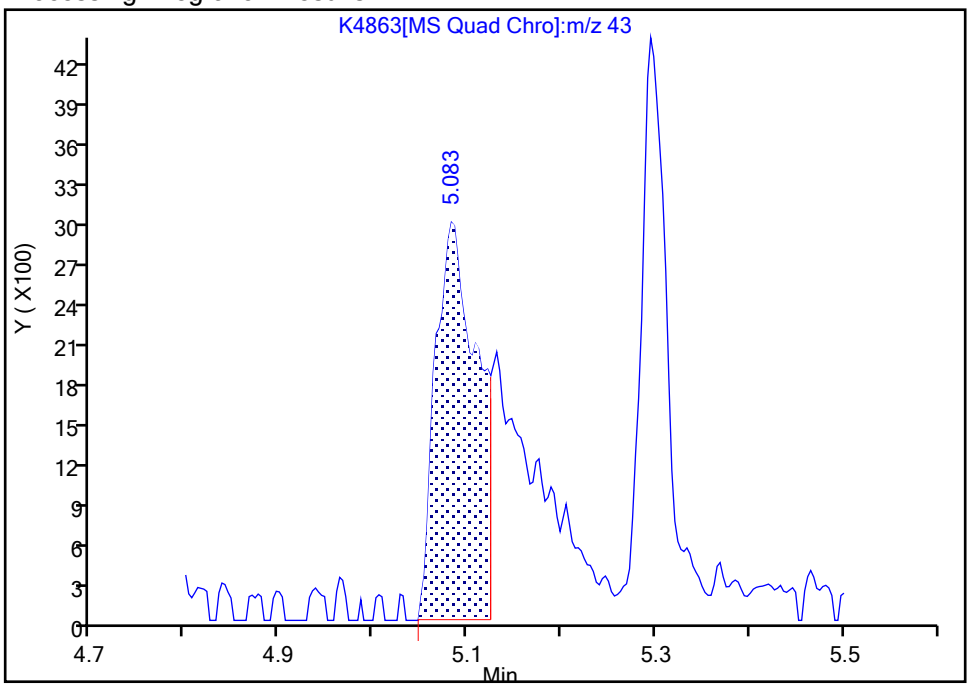
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4863.D
Injection Date: 17-Sep-2024 15:37:42 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

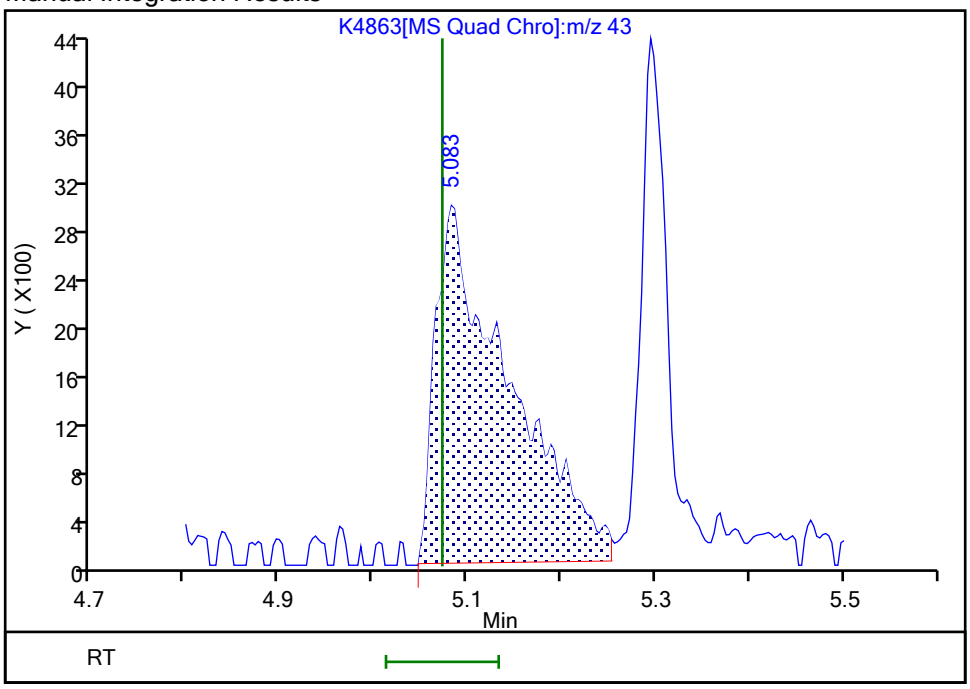
Processing Integration Results

RT: 5.08
Area: 9115
Amount: 14.343410
Amount Units: ug/L



Manual Integration Results

RT: 5.08
Area: 15969
Amount: 22.803819
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 09:59:47 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Sep-2024 16:00:20 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0120078-015
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:03:07 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 10:03:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	181111	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	92	682066	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	350094	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.742	-0.003	94	227355	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.047	-0.003	96	291726	25.0	25.4	
$ 6 Toluene-d8 (Surr)	98	6.854	6.858	-0.004	95	916774	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	91	261431	25.0	24.9	
11 Dichlorodifluoromethane	85	1.176	1.182	-0.006	99	20653	2.00	1.71	M
13 Chloromethane	50	1.346	1.353	-0.007	99	27035	2.00	2.00	M
14 Vinyl chloride	62	1.440	1.443	-0.003	97	18328	2.00	1.81	
151 Butadiene	54	1.475	1.472	0.003	83	16065	2.00	1.64	
15 Bromomethane	94	1.745	1.748	-0.003	91	13189	2.00	1.91	
16 Chloroethane	64	1.854	1.845	0.009	0	12016	2.00	1.80	M
18 Dichlorofluoromethane	67	2.063	2.057	0.006	97	34096	2.00	1.95	
17 Trichlorofluoromethane	101	2.080	2.076	0.004	96	23273	2.00	1.71	M
19 Ethyl ether	59	2.350	2.353	-0.003	96	14479	2.00	1.88	
21 Acrolein	56	2.504	2.504	0.000	94	12268	10.0	9.20	M
22 1,1-Dichloroethene	96	2.552	2.562	-0.010	97	11946	2.00	2.03	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.597	2.594	0.003	63	8217	2.00	1.74	M
23 Acetone	43	2.665	2.662	0.003	98	38900	10.0	9.50	M
24 Iodomethane	142	2.707	2.710	-0.003	99	21611	2.00	1.76	M
25 Carbon disulfide	76	2.755	2.761	-0.006	99	33192	2.00	1.72	
27 3-Chloro-1-propene	41	2.925	2.928	-0.003	87	20221	2.00	1.69	
28 Methyl acetate	43	2.977	2.973	0.004	98	35520	4.00	4.01	M
30 Methylene Chloride	84	3.060	3.067	-0.007	95	17264	2.00	1.92	
31 2-Methyl-2-propanol	59	3.237	3.237	0.000	98	39319	20.0	19.6	M
33 Methyl tert-butyl ether	73	3.308	3.311	-0.003	97	46042	2.00	1.88	
32 trans-1,2-Dichloroethene	96	3.308	3.314	-0.006	73	12692	2.00	1.70	
34 Acrylonitrile	53	3.327	3.324	0.003	99	103267	20.0	19.5	M
35 Hexane	57	3.539	3.546	-0.007	93	17394	2.00	1.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.716	3.723	-0.007	97	27762	2.00	1.85	
39 Vinyl acetate	43	3.780	3.780	0.000	97	66404	4.00	3.66	
42 2,2-Dichloropropane	77	4.253	4.256	-0.003	87	12101	2.00	1.74	
43 cis-1,2-Dichloroethene	96	4.279	4.279	0.000	83	14963	2.00	1.76	
44 2-Butanone (MEK)	43	4.308	4.305	0.003	100	65338	10.0	9.47	M
47 Chlorobromomethane	128	4.507	4.507	0.000	97	8366	2.00	1.86	
48 Tetrahydrofuran	42	4.552	4.546	0.006	91	16974	4.00	3.71	M
50 Chloroform	83	4.588	4.591	-0.003	94	30376	2.00	2.00	
51 1,1,1-Trichloroethane	97	4.719	4.723	-0.004	95	18929	2.00	1.89	
52 Cyclohexane	56	4.752	4.755	-0.003	88	20276	2.00	1.87	M
53 Carbon tetrachloride	117	4.870	4.874	-0.004	70	13168	2.00	1.88	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	93	18597	2.00	1.81	
56 Isobutyl alcohol	43	5.076	5.073	0.003	41	29962	50.0	42.2	M
55 Benzene	78	5.073	5.073	0.000	95	56082	2.00	1.85	
57 1,2-Dichloroethane	62	5.115	5.118	-0.003	97	24483	2.00	1.86	
59 n-Heptane	43	5.298	5.298	0.000	85	14044	2.00	1.56	
60 Trichloroethene	95	5.687	5.690	-0.003	95	14766	2.00	1.79	
62 Methylcyclohexane	83	5.832	5.835	-0.003	95	18219	2.00	1.85	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	86	15497	2.00	1.89	
65 Dibromomethane	93	6.041	6.041	0.000	94	11129	2.00	1.99	
66 1,4-Dioxane	88	6.083	6.057	0.026	80	4971	40.0	39.0	
67 Dichlorobromomethane	83	6.195	6.198	-0.003	98	17999	2.00	1.86	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	91	12374	2.00	1.84	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	92	22221	2.00	1.87	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.761	0.003	96	132669	10.0	9.68	
73 Toluene	92	6.922	6.922	0.000	97	35226	2.00	1.85	
75 trans-1,3-Dichloropropene	75	7.176	7.179	-0.003	96	19200	2.00	1.82	
77 Ethyl methacrylate	69	7.247	7.247	0.000	89	20022	2.00	1.82	
78 1,1,2-Trichloroethane	83	7.366	7.362	0.004	91	11902	2.00	1.92	
79 Tetrachloroethene	166	7.465	7.465	0.000	93	15351	2.00	1.86	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	95	26455	2.00	2.01	
81 2-Hexanone	43	7.604	7.600	0.004	95	98689	10.0	9.59	
82 Chlorodibromomethane	129	7.764	7.761	0.003	92	13273	2.00	1.83	
83 Ethylene Dibromide	107	7.864	7.864	0.000	97	15145	2.00	1.86	
86 Chlorobenzene	112	8.356	8.359	-0.003	96	42888	2.00	1.98	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	38	12030	2.00	1.79	
88 Ethylbenzene	91	8.459	8.459	0.000	98	65503	2.00	1.81	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	99	25962	2.00	1.85	
91 o-Xylene	106	9.005	9.005	0.000	96	24552	2.00	1.77	
92 Styrene	104	9.028	9.028	0.000	96	42991	2.00	1.89	
93 Bromoform	173	9.253	9.253	0.000	92	8218	2.00	1.83	
95 Isopropylbenzene	105	9.398	9.394	0.004	96	58396	2.00	1.81	
97 Bromobenzene	156	9.726	9.726	0.000	96	16797	2.00	1.88	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	95	24057	2.00	2.00	
100 1,2,3-Trichloropropane	110	9.793	9.793	0.000	86	8589	2.00	2.06	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.812	0.000	82	8294	2.00	1.90	
99 N-Propylbenzene	91	9.825	9.825	0.000	98	72348	2.00	1.77	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	15844	2.00	1.85	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	93	52783	2.00	1.80	
102 4-Chlorotoluene	91	10.031	10.031	0.000	97	54480	2.00	1.87	
106 tert-Butylbenzene	134	10.324	10.324	0.000	92	11594	2.00	1.77	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	55062	2.00	1.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	59688	2.00	1.62	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	98	30940	2.00	1.85	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	98	54986	2.00	1.70	
113 1,4-Dichlorobenzene	146	10.745	10.742	0.003	94	32512	2.00	1.88	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	46330	2.00	1.72	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	96	31503	2.00	1.87	
117 1,2-Dibromo-3-Chloropropane	75	11.809	11.806	0.003	86	3959	2.00	1.67	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.001	95	19673	2.00	1.87	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	93	6353	2.00	1.68	
121 Naphthalene	128	12.706	12.706	0.000	97	74292	2.00	1.89	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	95	20482	2.00	1.94	
S 123 1,3-Dichloropropene, Total	1				0			3.69	
S 126 Xylenes, Total	1				0			3.62	
S 124 1,2-Dichloroethene, Total	1				0			3.46	
S 125 Total BTEX	1				0			9.12	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00640	Amount Added:	2.00	Units: uL	
8260 CORP mix_00258	Amount Added:	2.00	Units: uL	
K WATER IS/SS_00014	Amount Added:	5.00	Units: uL	Run Reagent

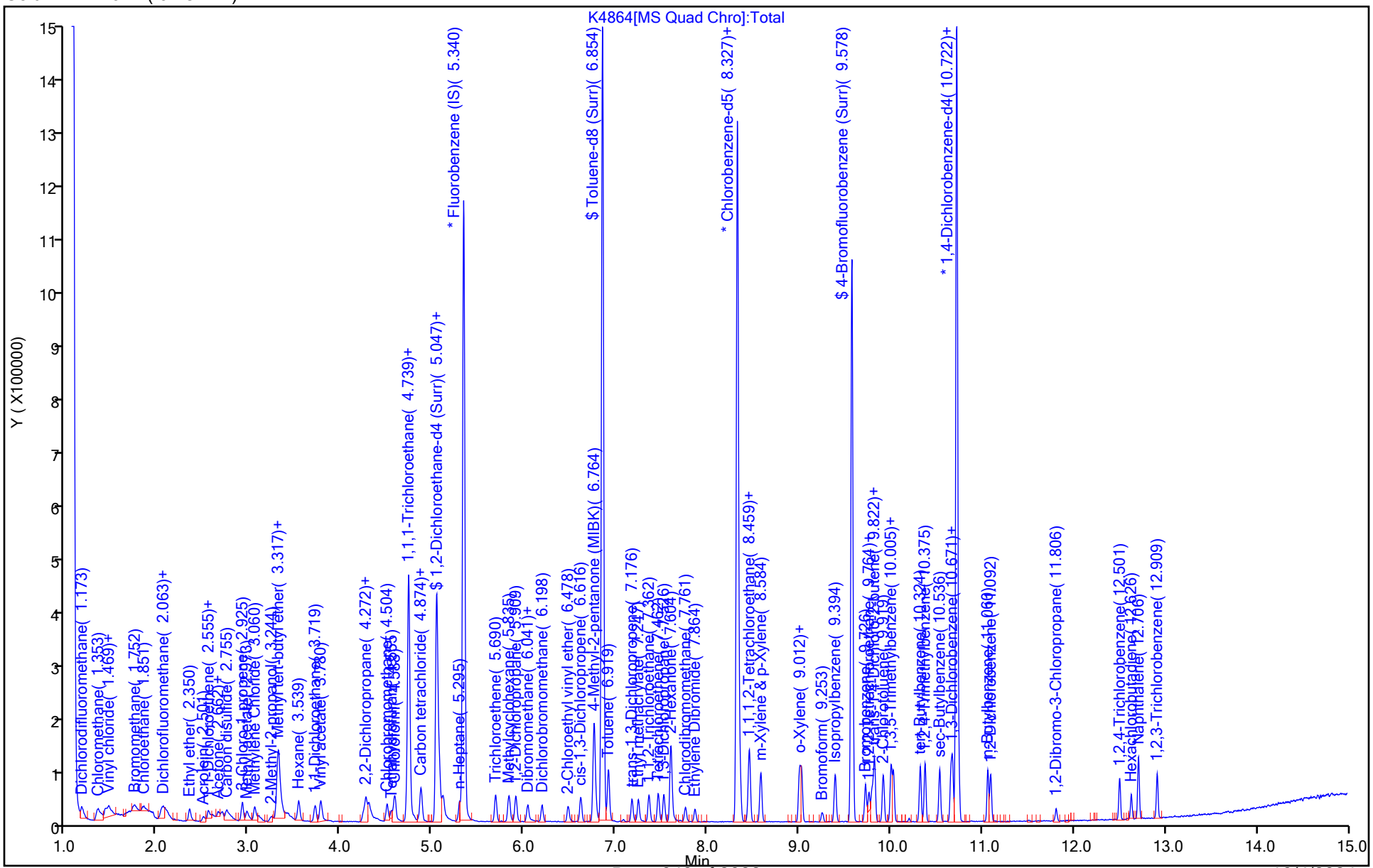
Report Date: 18-Sep-2024 11:03:08 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D

Injection Date:	17-Sep-2024 16:00:20	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

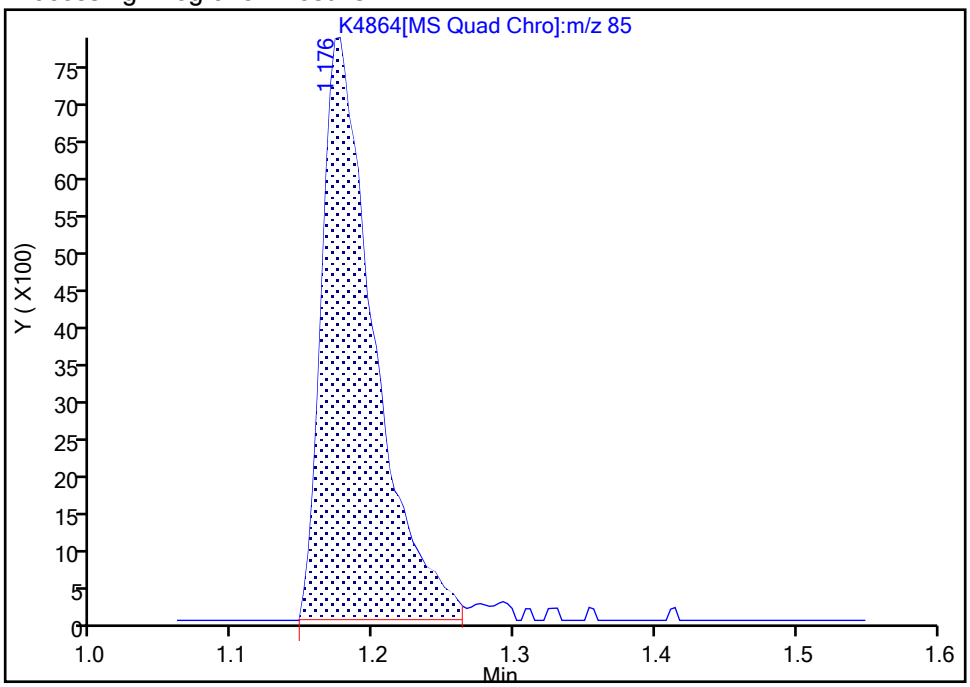
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

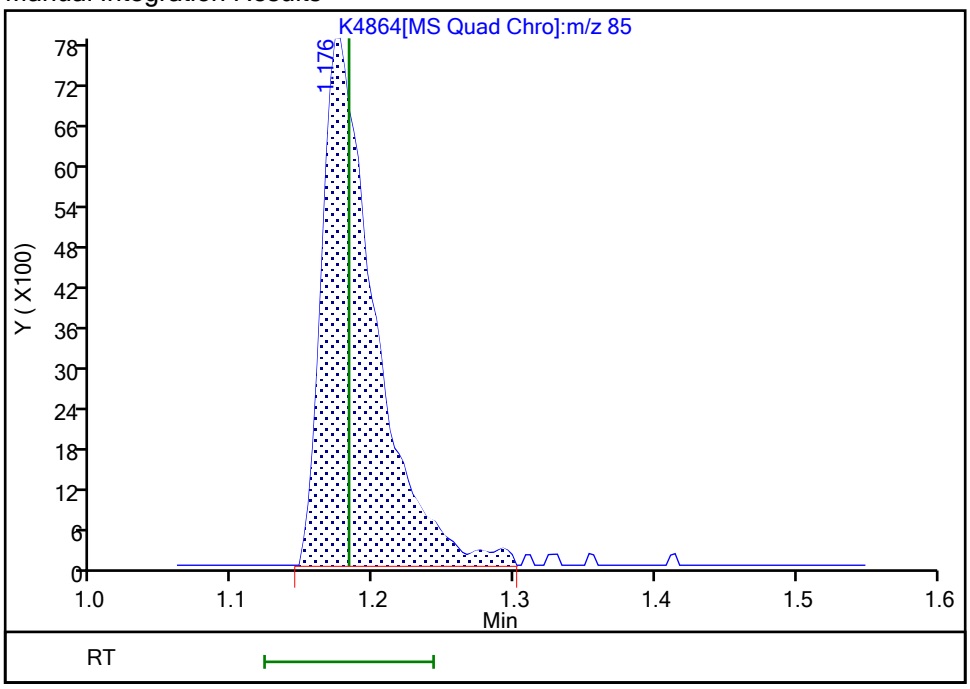
Processing Integration Results

RT: 1.18
Area: 20220
Amount: 1.677066
Amount Units: ug/L



Manual Integration Results

RT: 1.18
Area: 20653
Amount: 1.709144
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:00:44 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

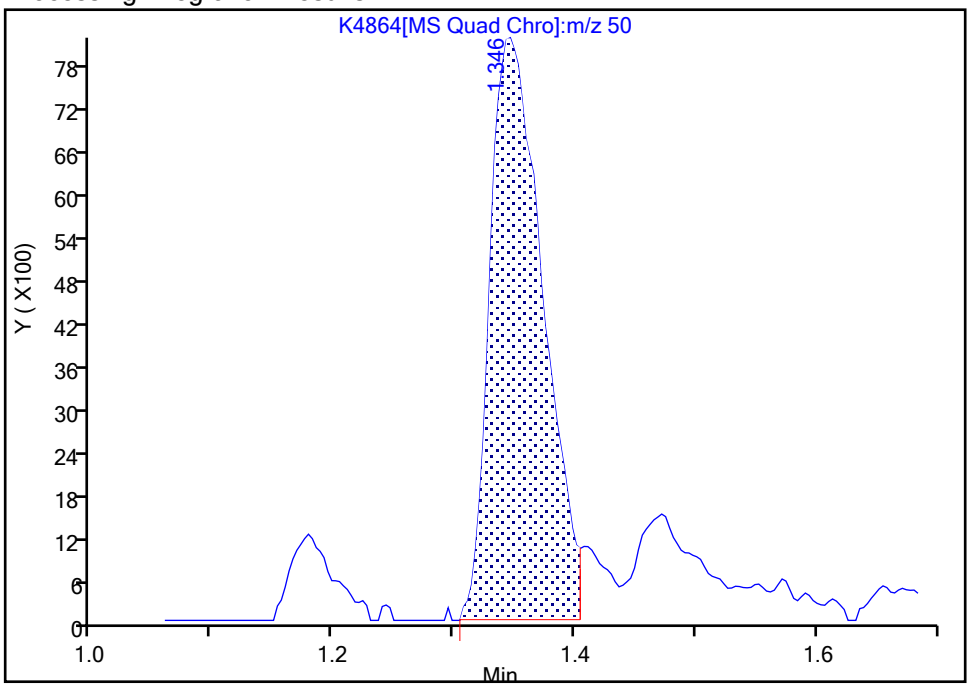
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

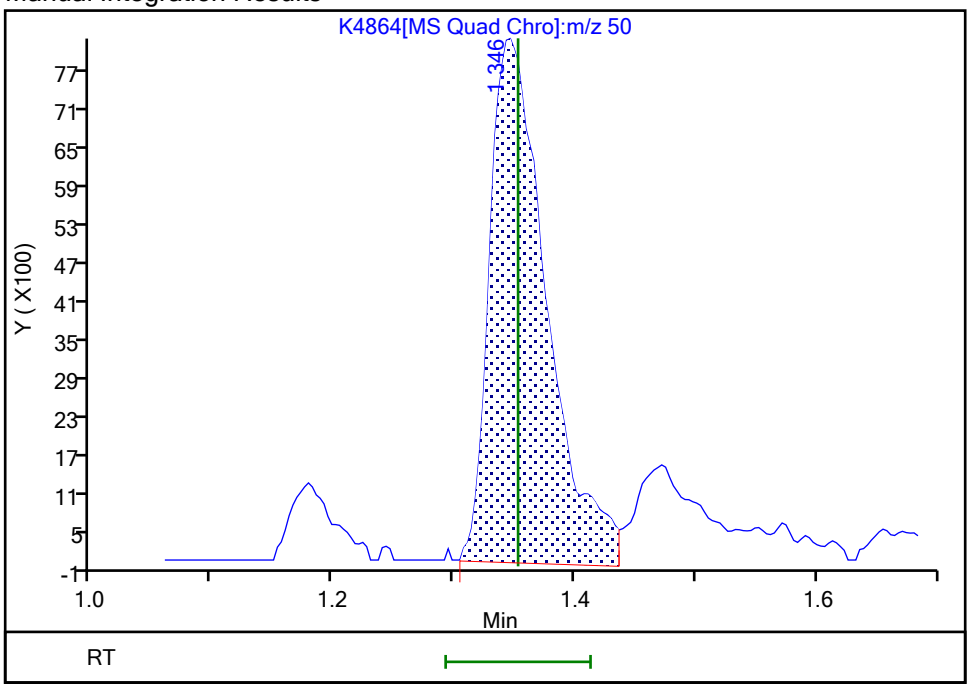
Processing Integration Results

RT: 1.35
Area: 25117
Amount: 1.876082
Amount Units: ug/L



Manual Integration Results

RT: 1.35
Area: 27035
Amount: 2.001424
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:00:53 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

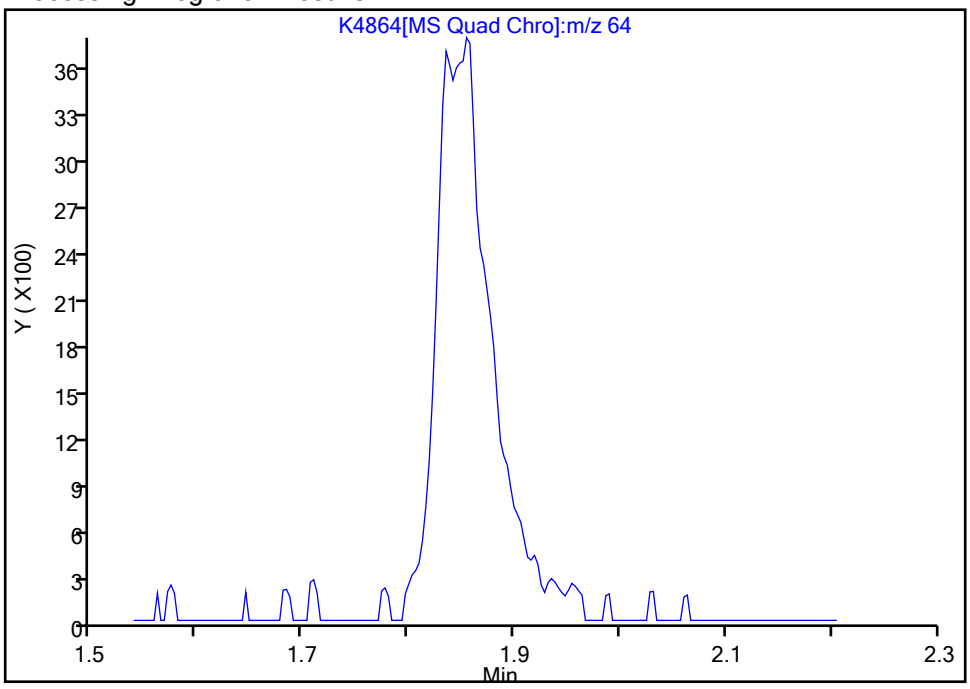
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

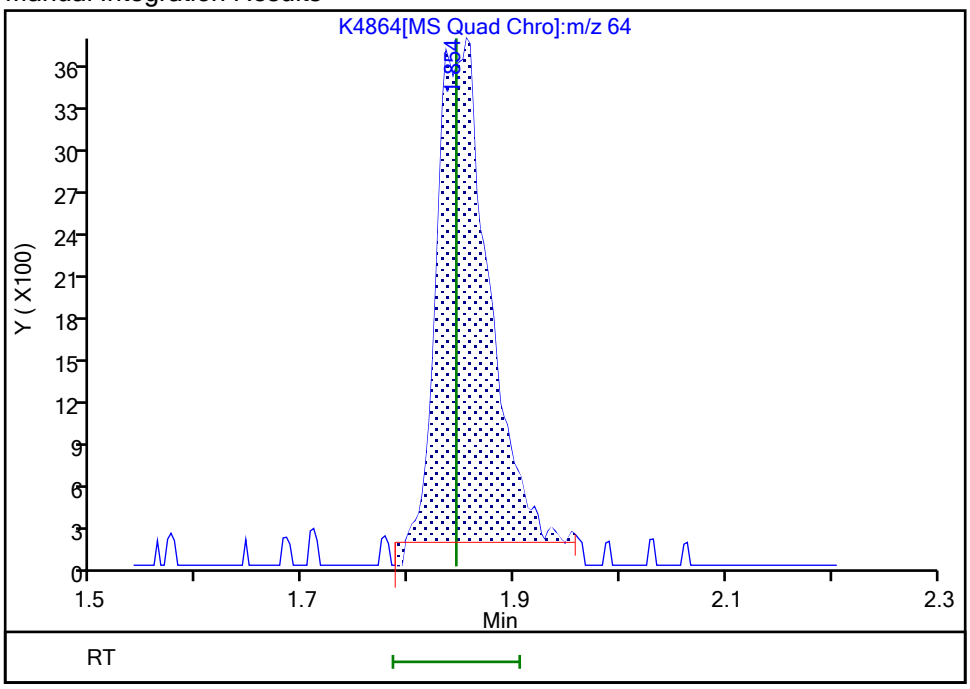
Not Detected
Expected RT: 1.84

Processing Integration Results



Manual Integration Results

RT: 1.85
Area: 12016
Amount: 1.795374
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:01:04 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

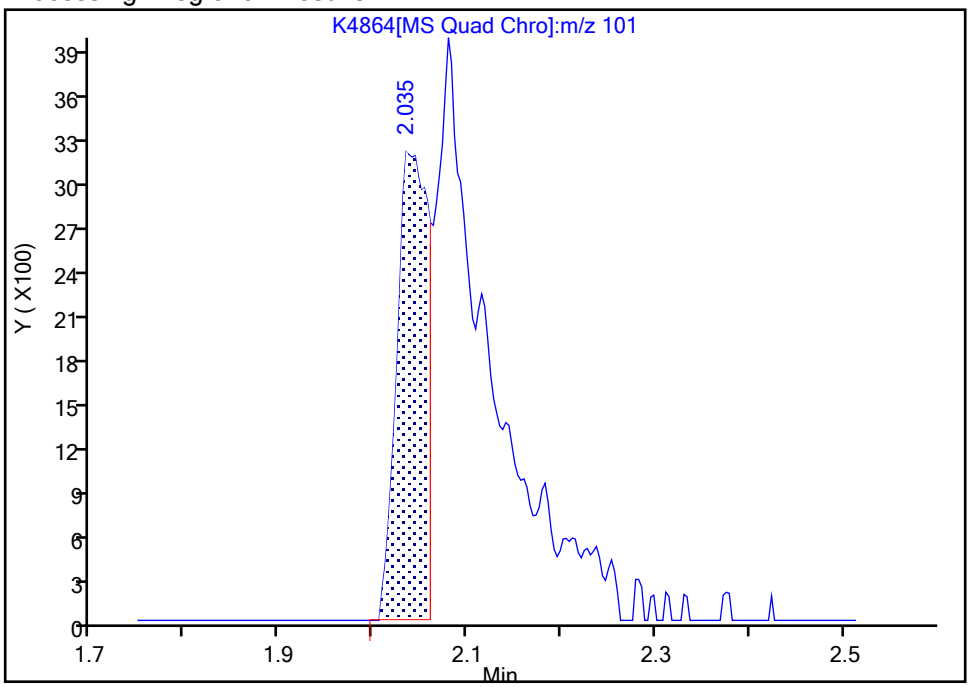
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

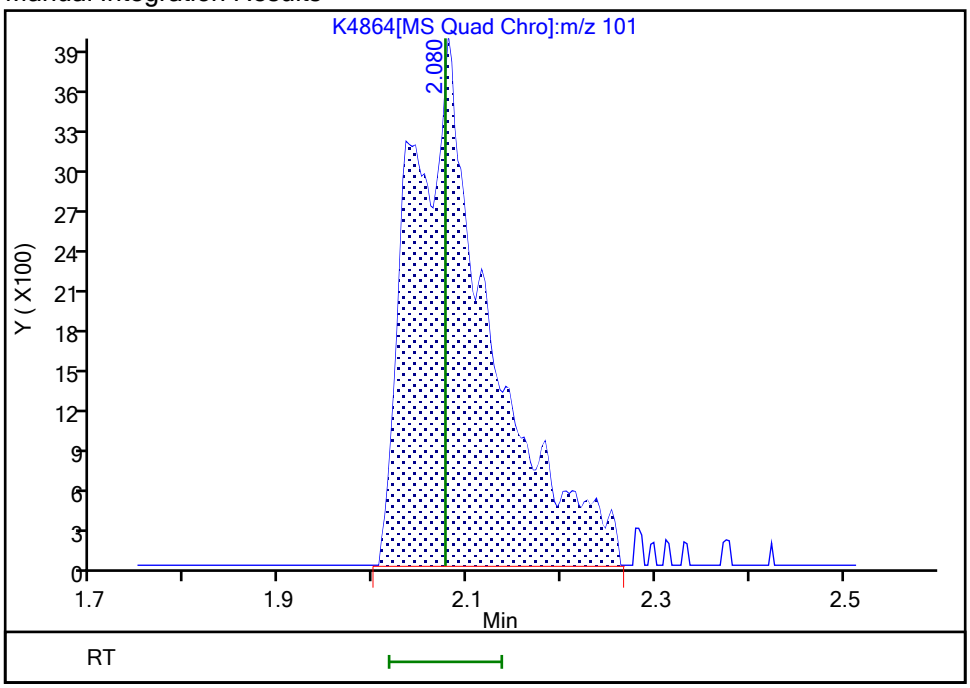
Processing Integration Results

RT: 2.03
Area: 7186
Amount: 0.641798
Amount Units: ug/L



Manual Integration Results

RT: 2.08
Area: 23273
Amount: 1.710453
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:01:12 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

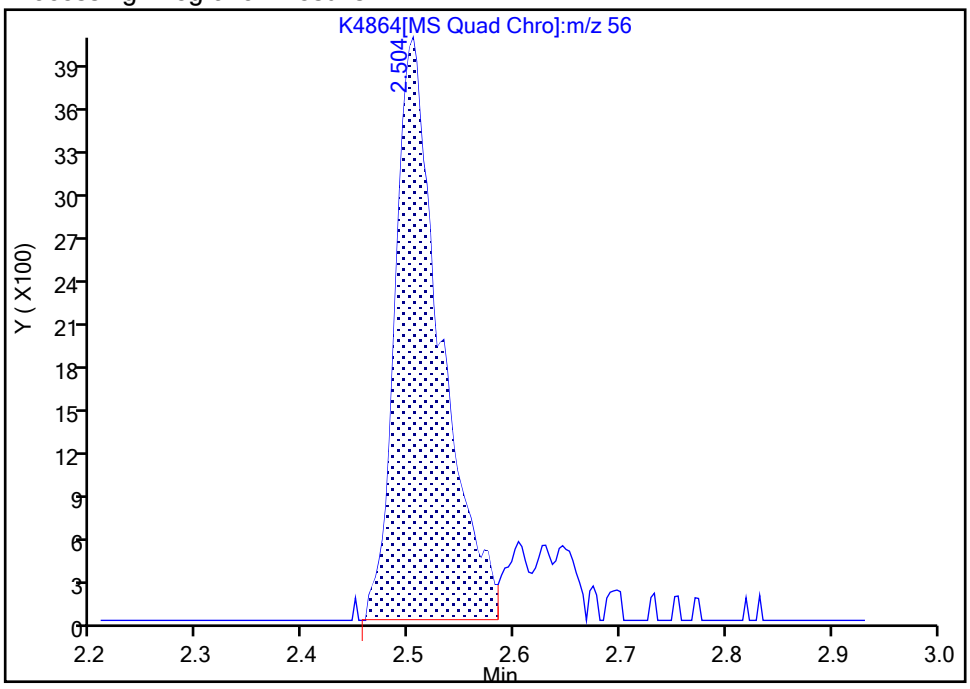
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

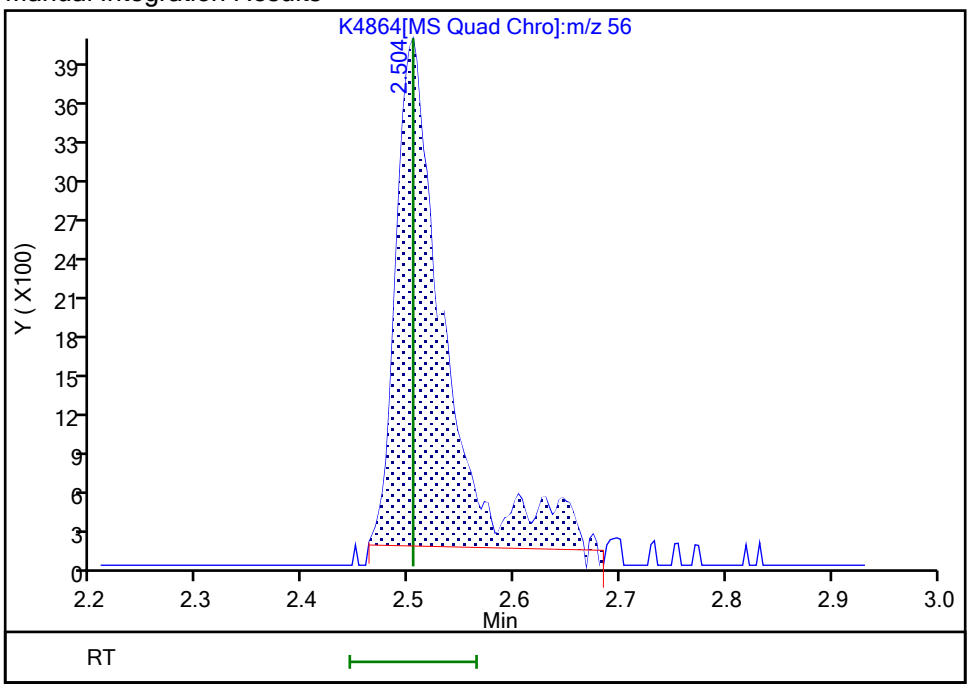
Processing Integration Results

RT: 2.50
Area: 11988
Amount: 9.765586
Amount Units: ug/L



Manual Integration Results

RT: 2.50
Area: 12268
Amount: 9.195043
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:01:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

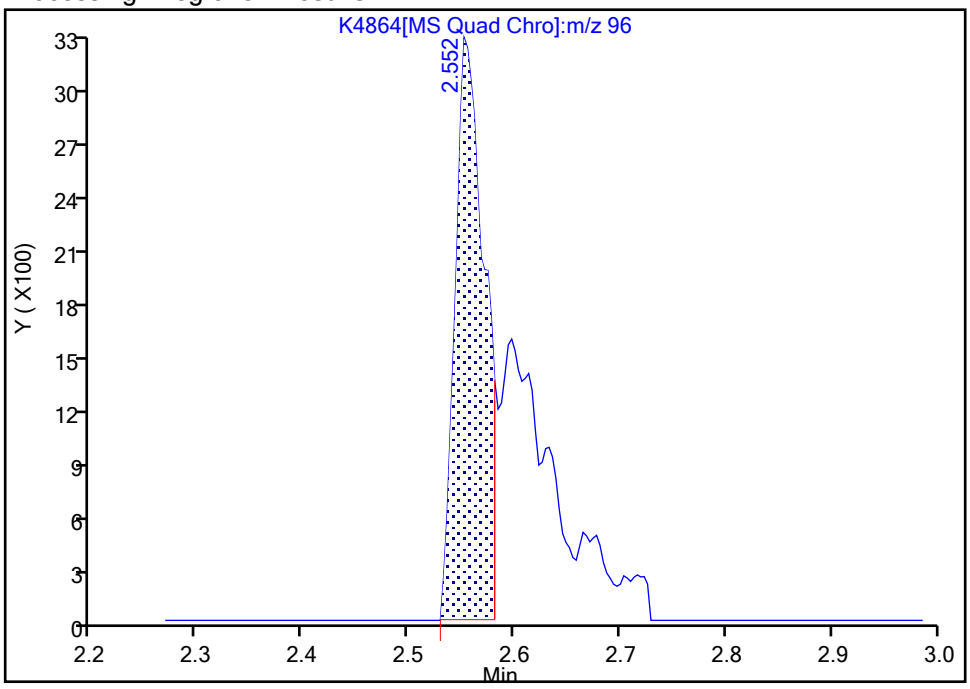
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

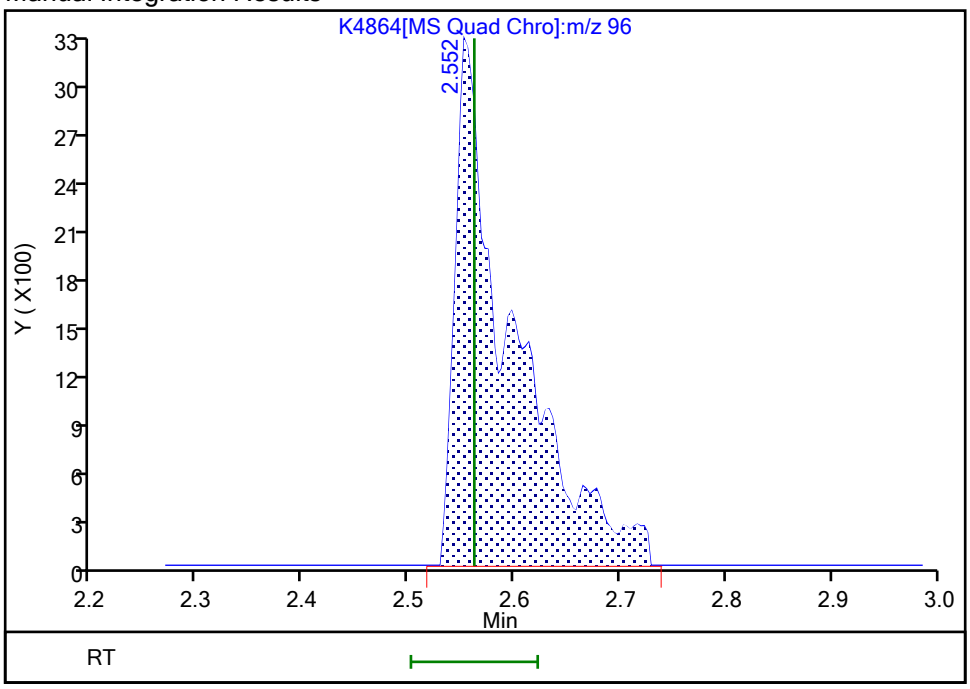
Processing Integration Results

RT: 2.55
Area: 6116
Amount: 0.975978
Amount Units: ug/L



Manual Integration Results

RT: 2.55
Area: 11946
Amount: 2.025744
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:01:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

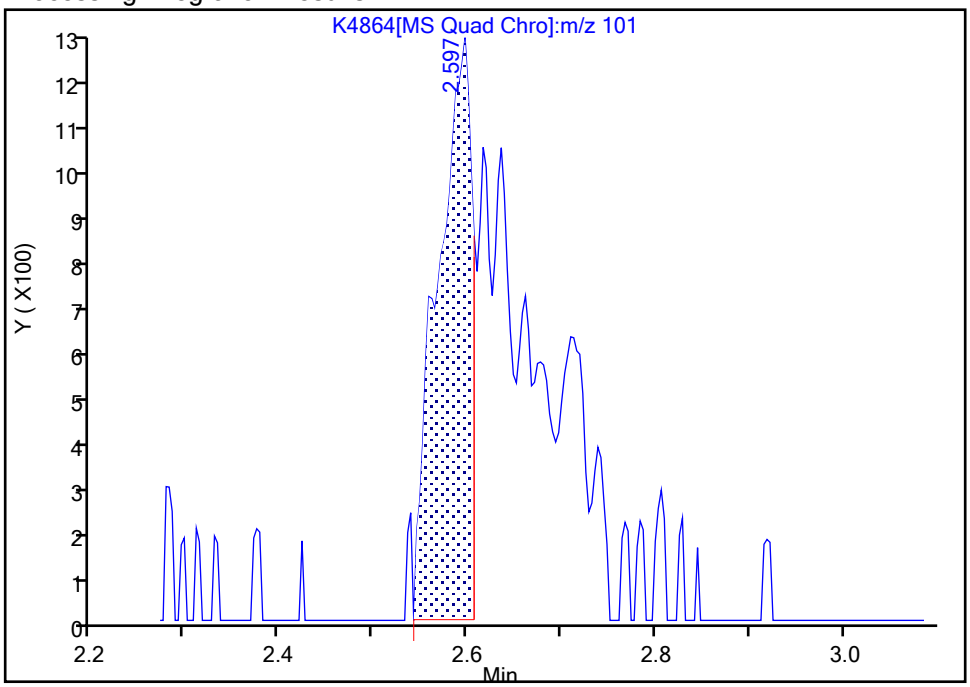
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

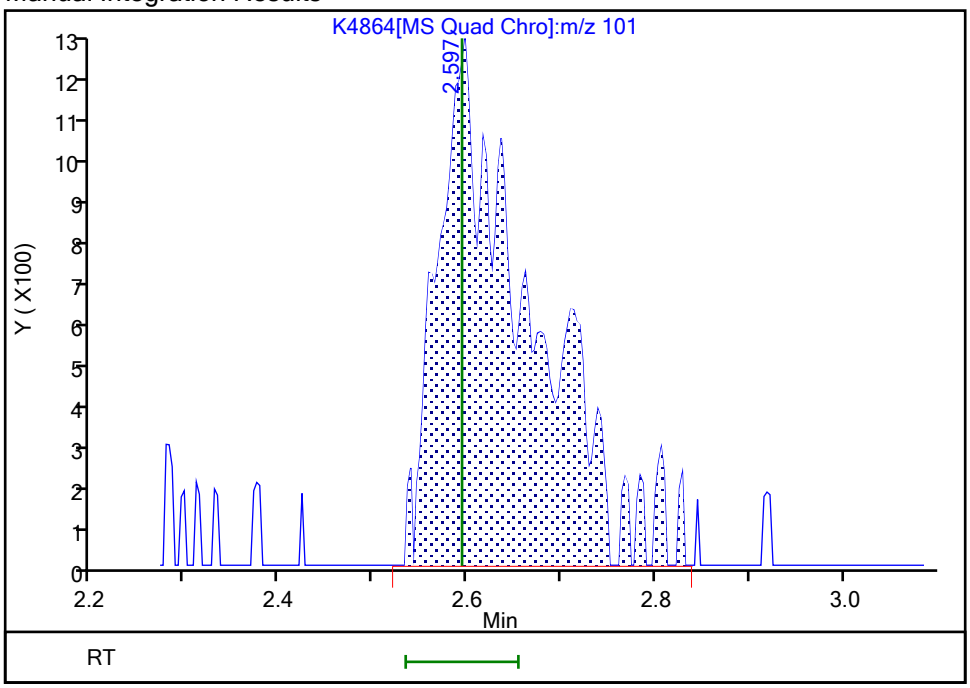
Processing Integration Results

RT: 2.60
Area: 3012
Amount: 0.565671
Amount Units: ug/L



Manual Integration Results

RT: 2.60
Area: 8217
Amount: 1.735543
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:01:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

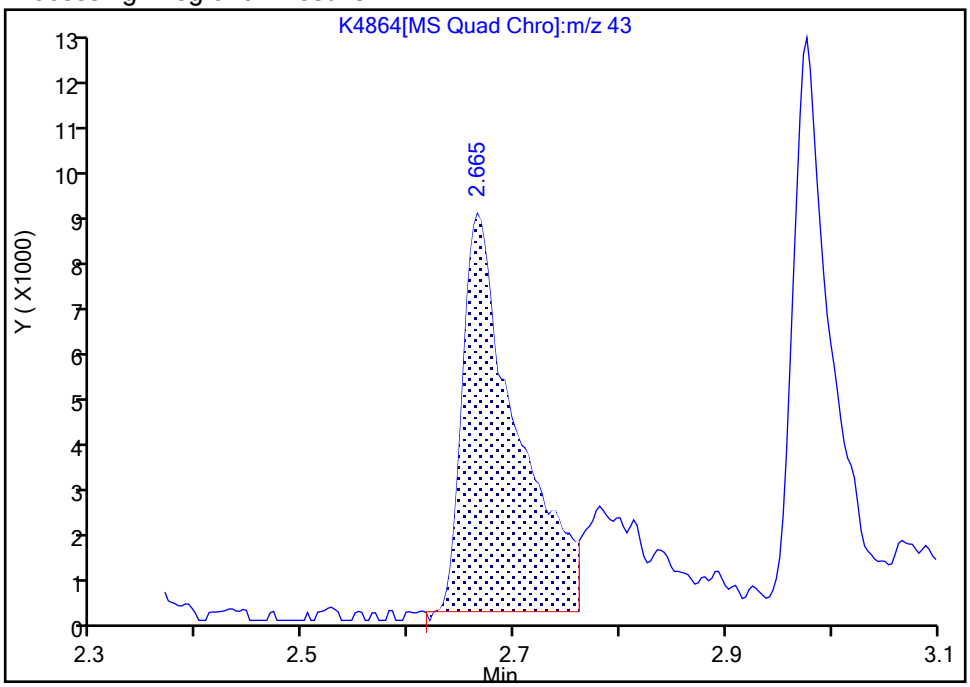
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

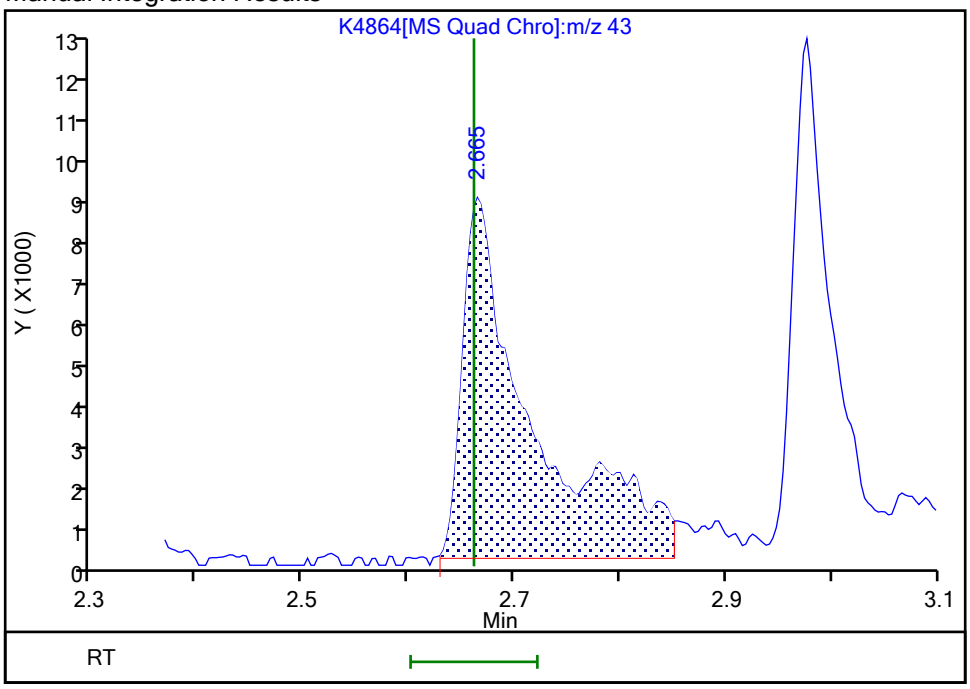
Processing Integration Results

RT: 2.66
Area: 29707
Amount: 8.349568
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 38900
Amount: 9.496343
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:01:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

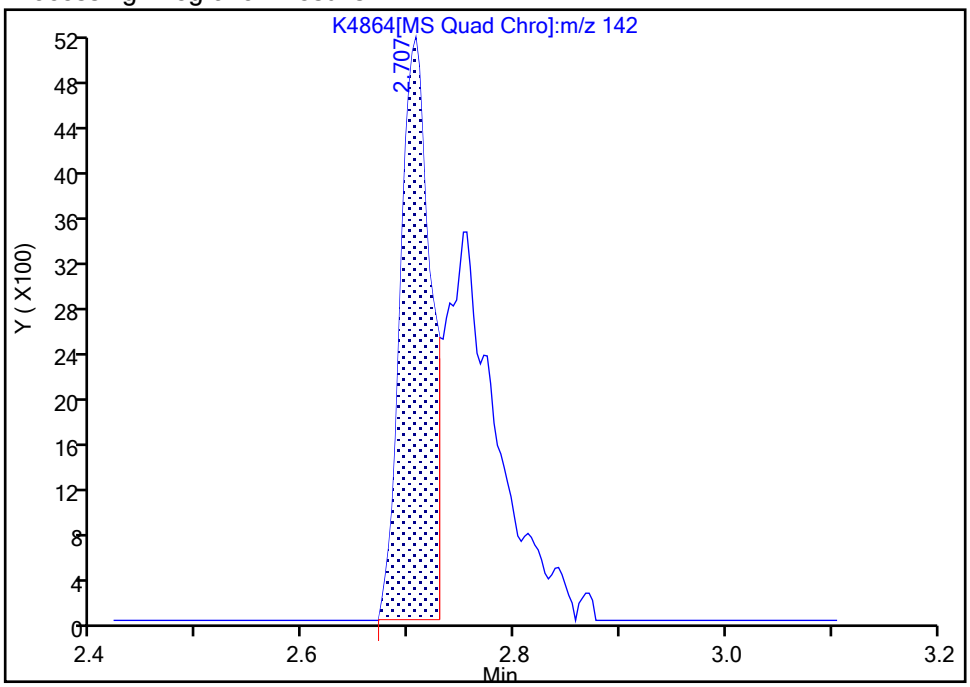
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

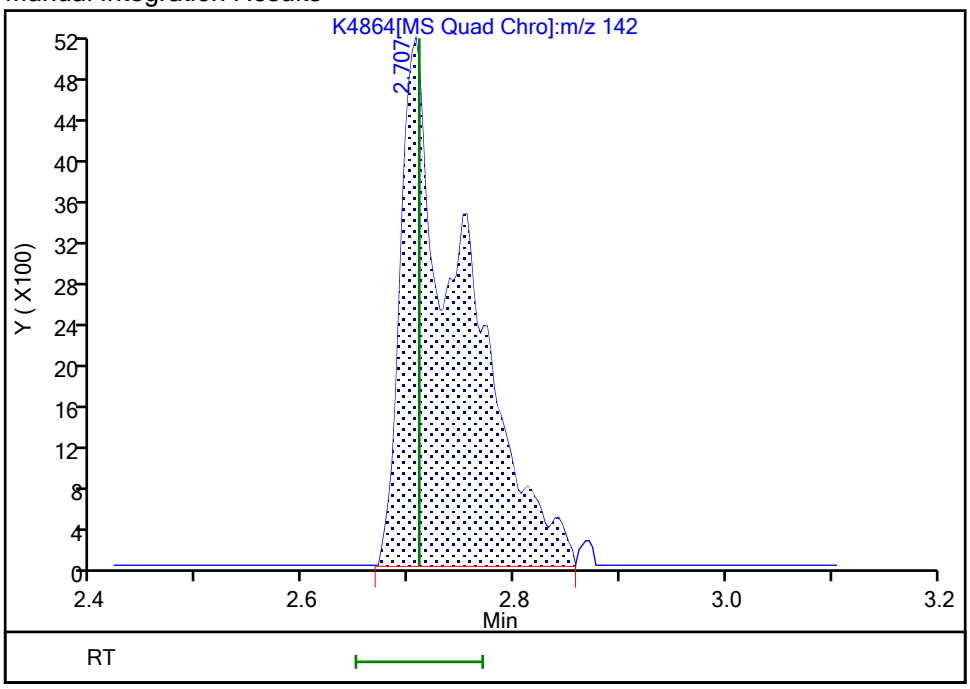
Processing Integration Results

RT: 2.71
Area: 10218
Amount: 1.334017
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 21611
Amount: 1.756126
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:01:56 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

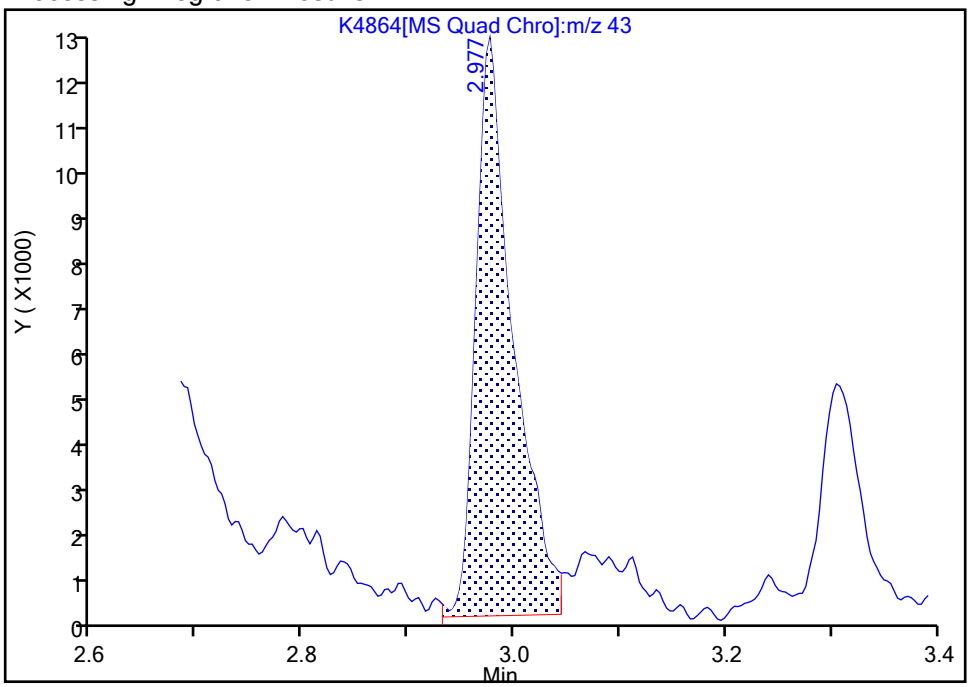
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

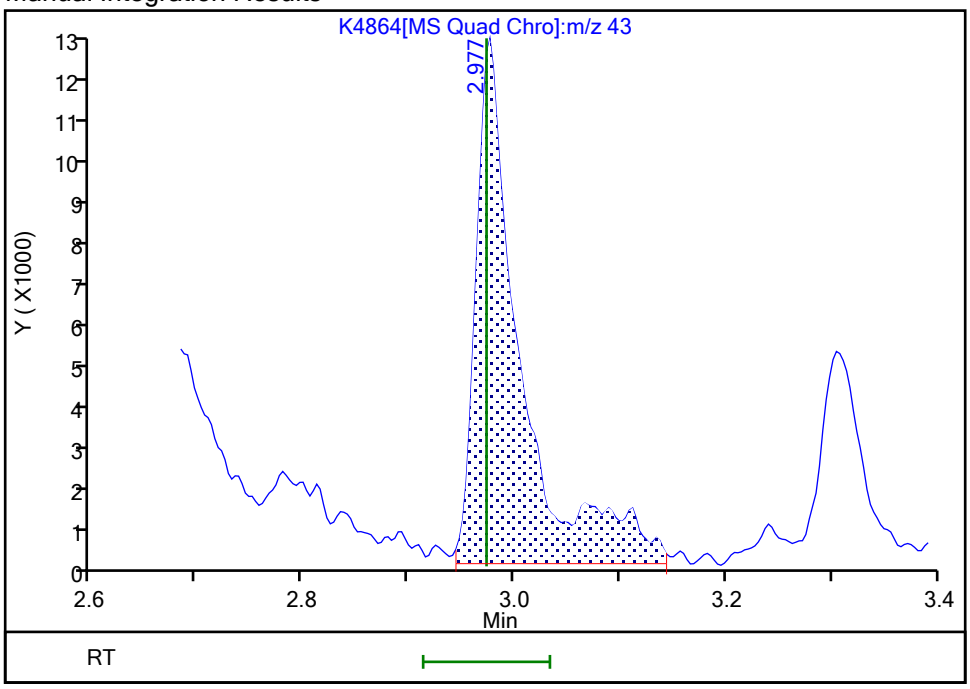
Processing Integration Results

RT: 2.98
Area: 29115
Amount: 3.454216
Amount Units: ug/L



Manual Integration Results

RT: 2.98
Area: 35520
Amount: 4.005473
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:02:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

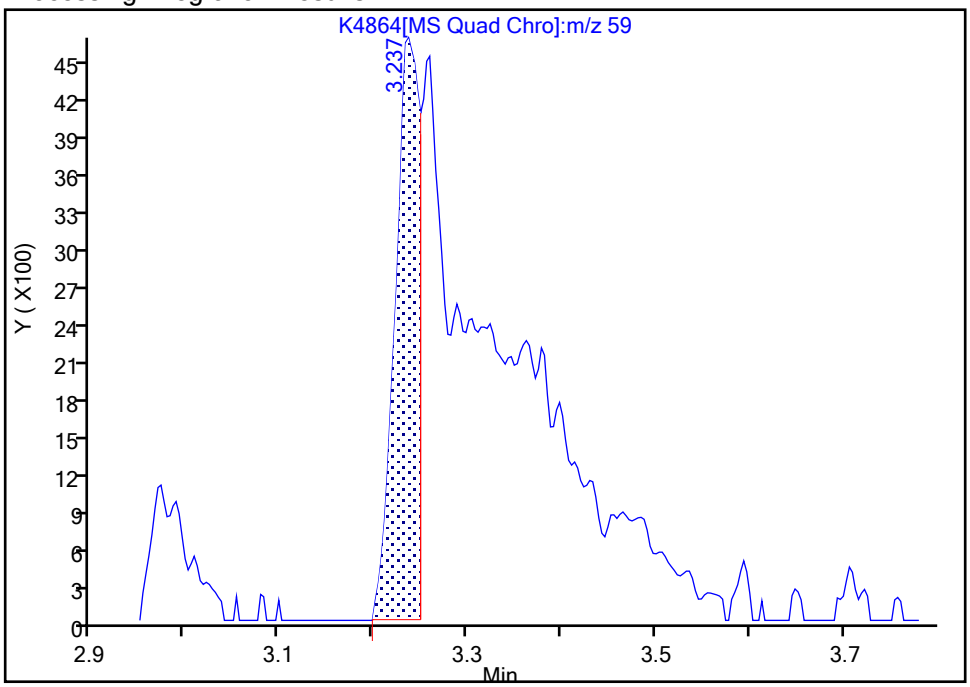
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

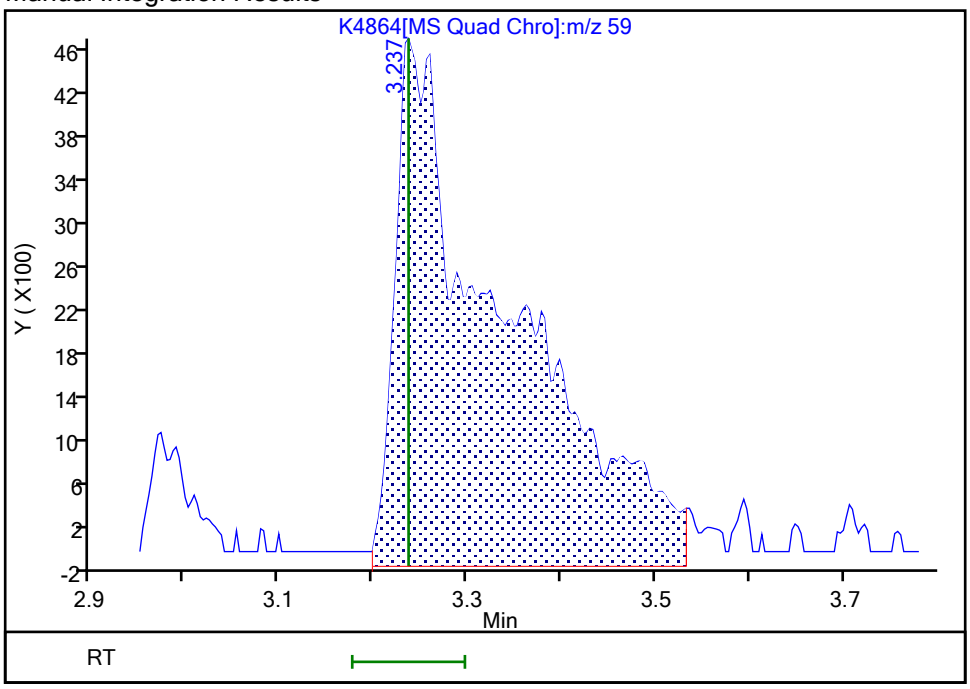
Processing Integration Results

RT: 3.24
Area: 8461
Amount: 6.876710
Amount Units: ug/L



Manual Integration Results

RT: 3.24
Area: 39319
Amount: 19.624467
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:02:21 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

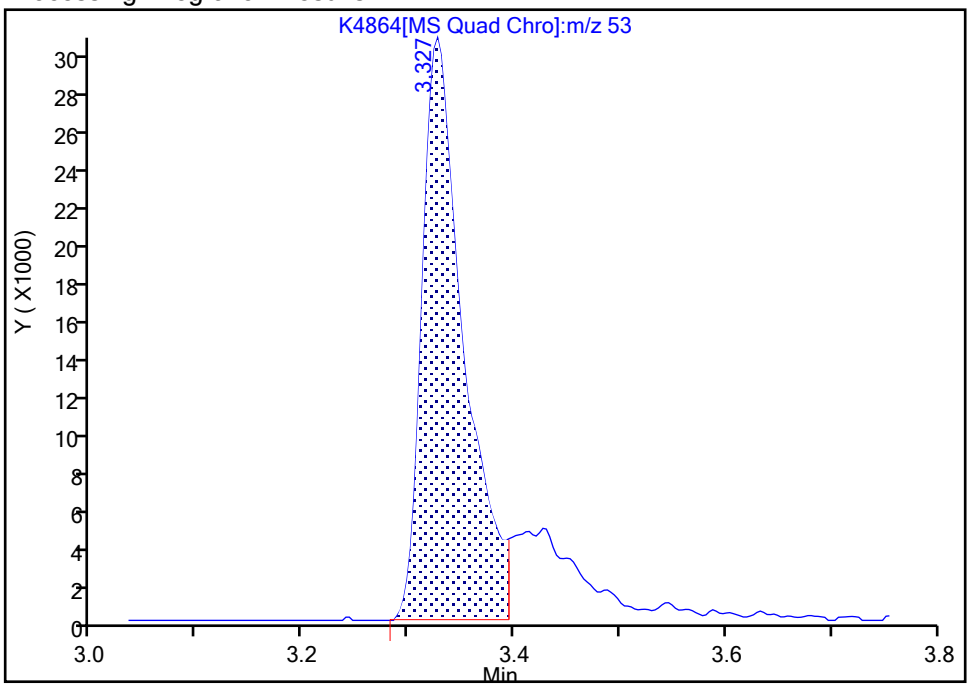
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

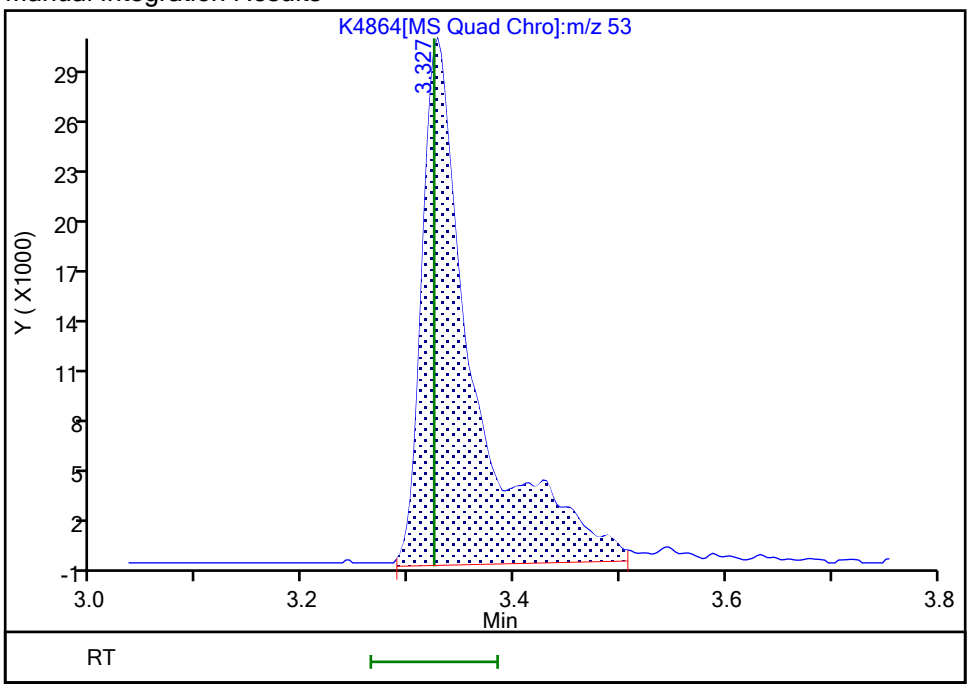
Processing Integration Results

RT: 3.33
Area: 83246
Amount: 17.026225
Amount Units: ug/L



Manual Integration Results

RT: 3.33
Area: 103267
Amount: 19.520702
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:02:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

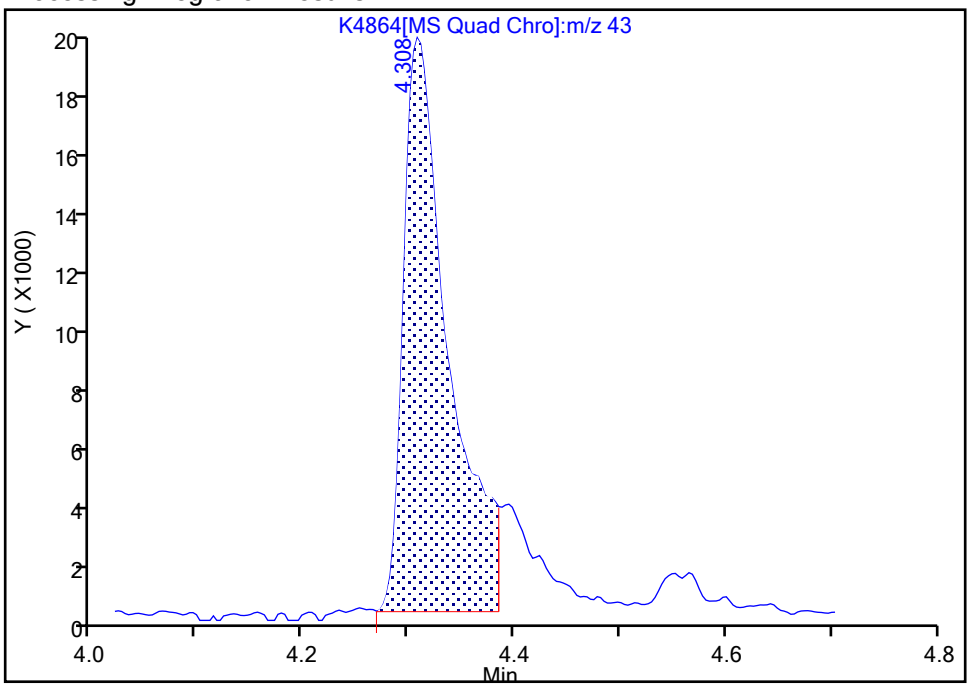
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

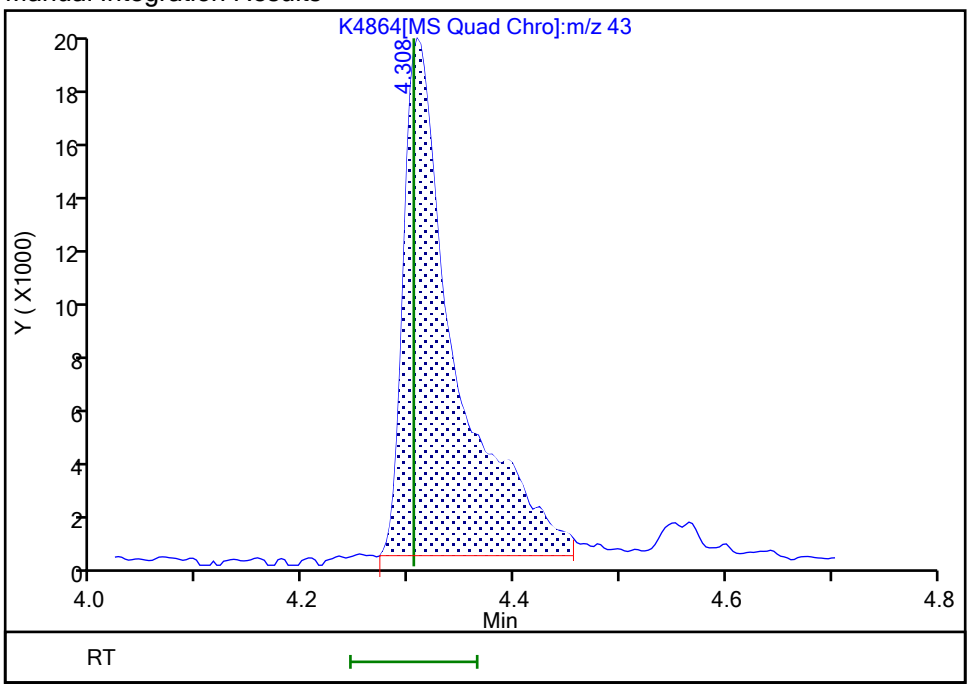
Processing Integration Results

RT: 4.31
Area: 57621
Amount: 8.742872
Amount Units: ug/L



Manual Integration Results

RT: 4.31
Area: 65338
Amount: 9.471349
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:02:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

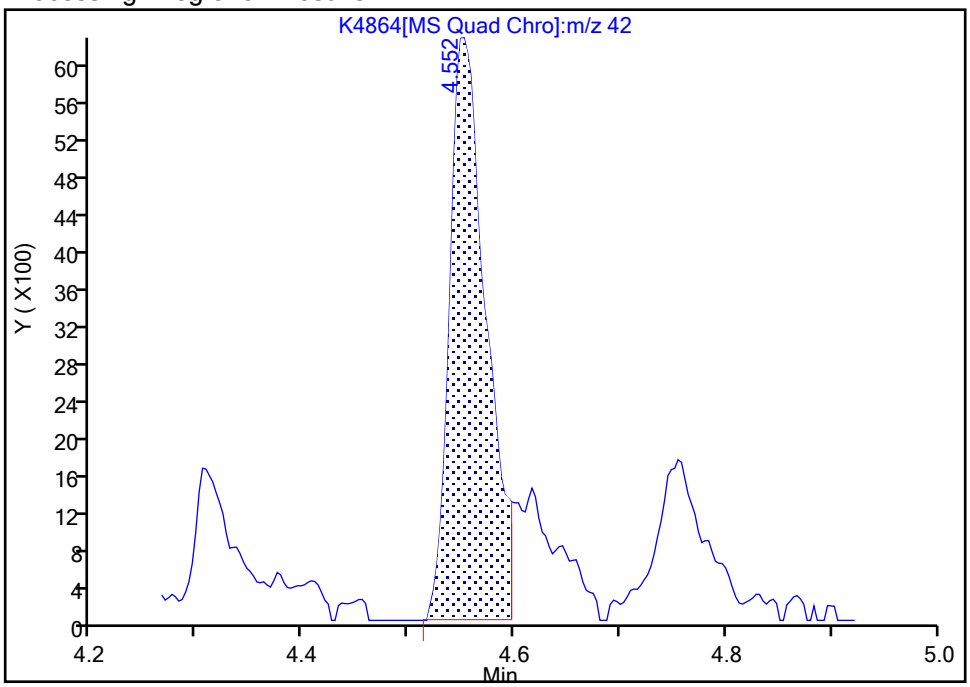
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

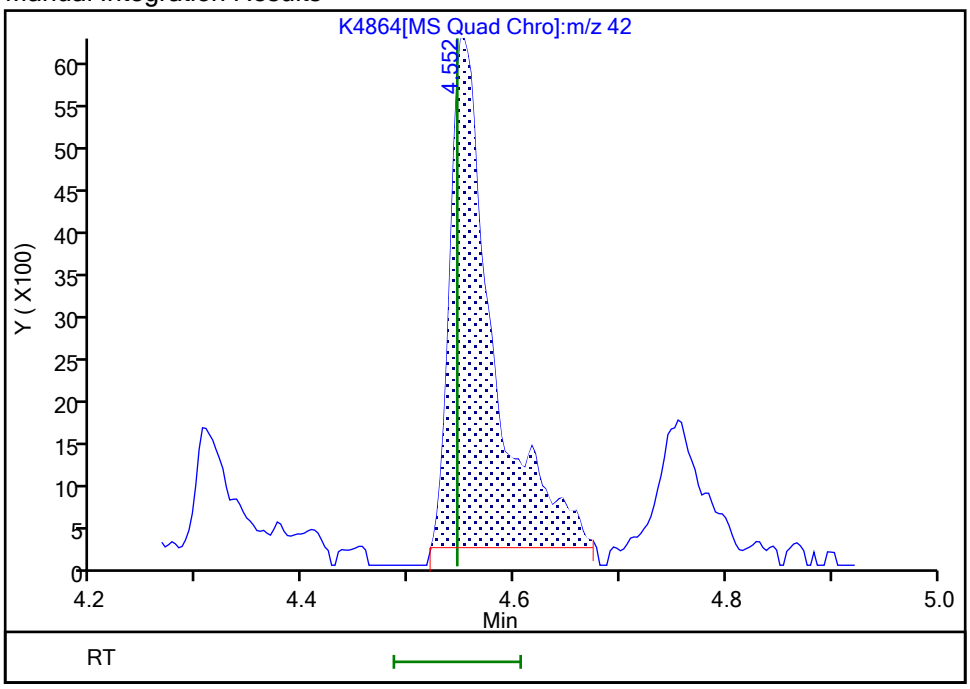
Processing Integration Results

RT: 4.55
Area: 15083
Amount: 3.195741
Amount Units: ug/L



Manual Integration Results

RT: 4.55
Area: 16974
Amount: 3.709509
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:02:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

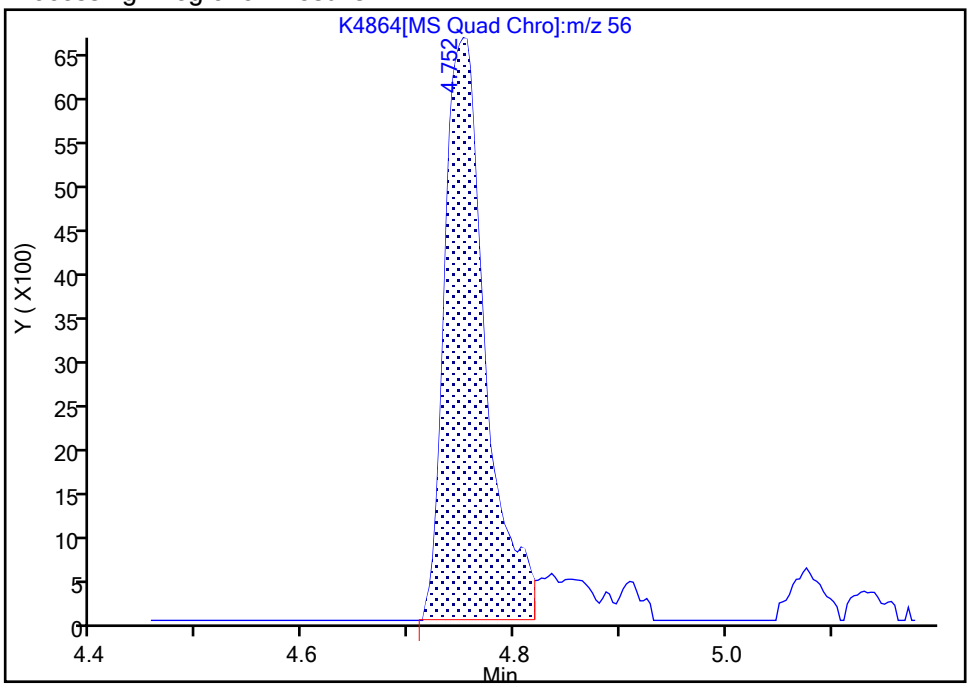
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

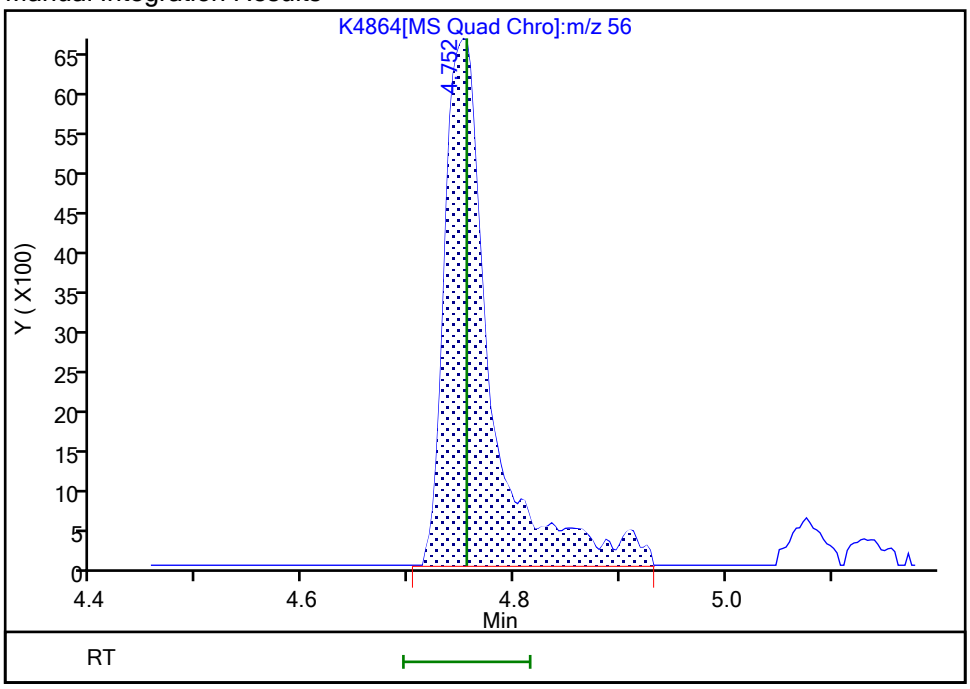
Processing Integration Results

RT: 4.75
Area: 17844
Amount: 1.355494
Amount Units: ug/L



Manual Integration Results

RT: 4.75
Area: 20276
Amount: 1.874506
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:03:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

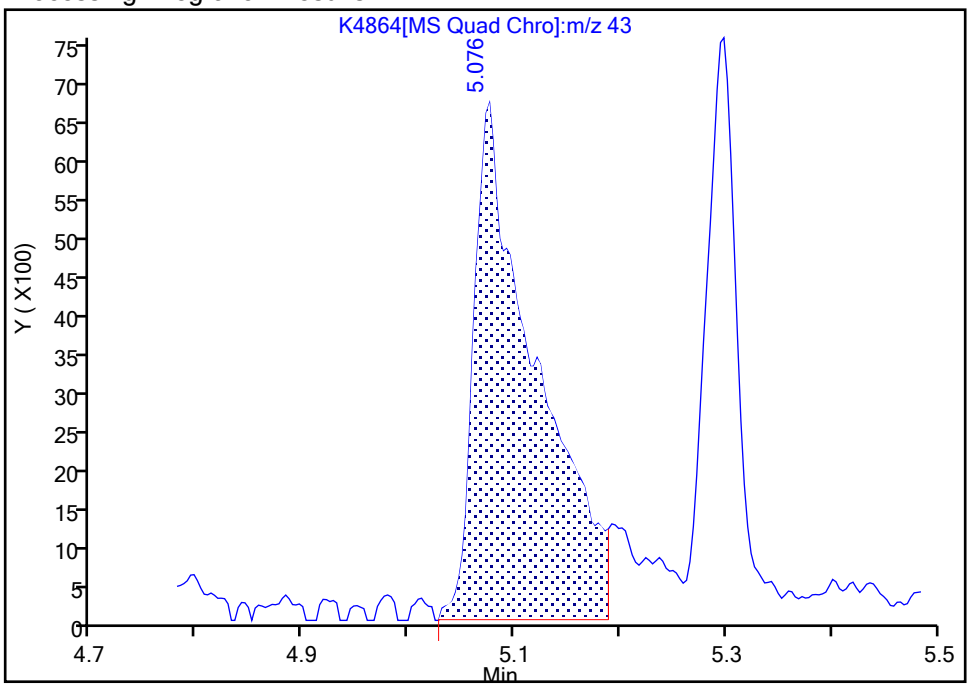
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4864.D
Injection Date: 17-Sep-2024 16:00:20 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

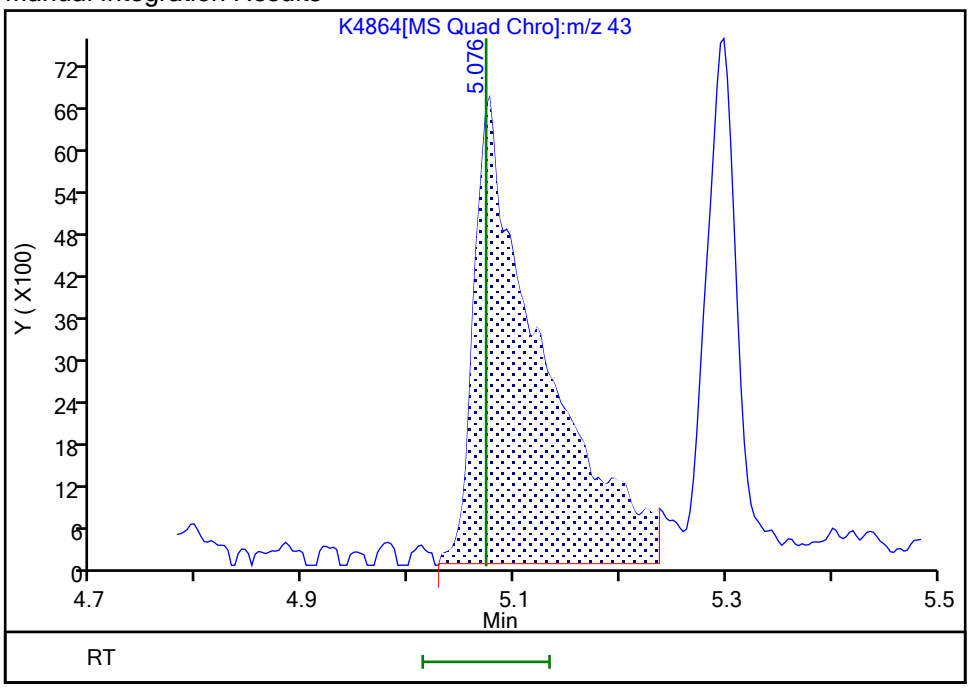
Processing Integration Results

RT: 5.08
Area: 27493
Amount: 40.509318
Amount Units: ug/L



Manual Integration Results

RT: 5.08
Area: 29962
Amount: 42.222936
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:03:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Sep-2024 16:22:45 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0120078-016
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:03:23 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 10:07:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	98	173990	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	88	656494	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	338415	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.742	-0.003	93	231973	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.047	0.000	96	278958	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	6.858	6.858	0.000	94	894294	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	92	252386	25.0	24.9	
11 Dichlorodifluoromethane	85	1.176	1.182	-0.006	98	54571	5.00	4.70	
13 Chloromethane	50	1.346	1.353	-0.007	99	61961	5.00	4.77	
14 Vinyl chloride	62	1.437	1.443	-0.007	98	48700	5.00	5.01	
151 Butadiene	54	1.469	1.472	-0.003	87	44972	5.00	4.77	
15 Bromomethane	94	1.745	1.748	-0.003	93	33946	5.00	5.12	M
16 Chloroethane	64	1.842	1.845	-0.003	99	33337	5.00	5.18	
18 Dichlorofluoromethane	67	2.054	2.057	-0.003	95	83246	5.00	4.95	
17 Trichlorofluoromethane	101	2.044	2.076	-0.032	95	62820	5.00	4.81	
19 Ethyl ether	59	2.350	2.353	-0.003	92	35860	5.00	4.86	
21 Acrolein	56	2.504	2.504	0.000	100	35846	25.0	28.0	M
22 1,1-Dichloroethene	96	2.562	2.562	0.000	96	31950	5.00	4.74	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.594	2.594	0.000	94	29328	5.00	4.74	M
23 Acetone	43	2.668	2.662	0.006	99	104410	25.0	26.5	M
24 Iodomethane	142	2.707	2.710	-0.003	98	60446	5.00	5.11	M
25 Carbon disulfide	76	2.758	2.761	-0.003	100	95224	5.00	5.14	
27 3-Chloro-1-propene	41	2.925	2.928	-0.003	86	57253	5.00	5.00	
28 Methyl acetate	43	2.977	2.973	0.004	98	85563	10.0	10.0	M
30 Methylene Chloride	84	3.060	3.067	-0.007	96	40403	5.00	4.99	
31 2-Methyl-2-propanol	59	3.244	3.237	0.007	98	92584	50.0	48.1	M
33 Methyl tert-butyl ether	73	3.308	3.311	-0.003	99	126950	5.00	5.40	
32 trans-1,2-Dichloroethene	96	3.311	3.314	-0.003	82	37355	5.00	5.21	
34 Acrylonitrile	53	3.330	3.324	0.006	97	271444	50.0	53.4	M
35 Hexane	57	3.543	3.546	-0.003	89	51636	5.00	5.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.719	3.723	-0.004	97	74832	5.00	5.19	
39 Vinyl acetate	43	3.781	3.780	0.000	98	177489	10.0	10.2	
42 2,2-Dichloropropane	77	4.253	4.256	-0.003	90	34214	5.00	5.13	
43 cis-1,2-Dichloroethene	96	4.279	4.279	0.000	81	42079	5.00	5.16	
44 2-Butanone (MEK)	43	4.308	4.305	0.003	0	172401	25.0	26.0	M
47 Chlorobromomethane	128	4.507	4.507	0.000	97	22329	5.00	5.16	
48 Tetrahydrofuran	42	4.549	4.546	0.003	87	48099	10.0	10.9	
50 Chloroform	83	4.591	4.591	0.000	95	75766	5.00	5.19	
51 1,1,1-Trichloroethane	97	4.719	4.723	-0.004	97	57563	5.00	4.89	
52 Cyclohexane	56	4.752	4.755	-0.003	92	65064	5.00	4.71	
53 Carbon tetrachloride	117	4.871	4.874	-0.004	94	41821	5.00	4.74	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	93	49819	5.00	5.04	
56 Isobutyl alcohol	43	5.080	5.073	0.007	39	77903	125.0	114.3	M
55 Benzene	78	5.073	5.073	0.000	97	153186	5.00	5.25	
57 1,2-Dichloroethane	62	5.121	5.118	0.003	96	64810	5.00	5.13	
59 n-Heptane	43	5.298	5.298	0.000	91	38857	5.00	4.49	
60 Trichloroethene	95	5.690	5.690	0.000	95	39653	5.00	5.02	
62 Methylcyclohexane	83	5.835	5.835	0.000	95	56541	5.00	4.59	
63 1,2-Dichloropropane	63	5.912	5.909	0.003	92	43510	5.00	5.51	
65 Dibromomethane	93	6.038	6.041	-0.003	96	28408	5.00	5.30	
66 1,4-Dioxane	88	6.070	6.057	0.013	96	12053	100.0	98.2	
67 Dichlorobromomethane	83	6.195	6.198	-0.003	99	49473	5.00	5.31	
69 2-Chloroethyl vinyl ether	63	6.481	6.478	0.003	91	34718	5.00	5.36	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	91	57840	5.00	5.08	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.761	0.003	96	341160	25.0	25.9	
73 Toluene	92	6.922	6.922	0.000	98	97752	5.00	5.33	
75 trans-1,3-Dichloropropene	75	7.176	7.179	-0.003	98	53432	5.00	5.26	
77 Ethyl methacrylate	69	7.247	7.247	0.000	90	53073	5.00	5.00	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	94	31978	5.00	5.37	
79 Tetrachloroethene	166	7.465	7.465	0.000	93	40629	5.00	5.11	
80 1,3-Dichloropropane	76	7.523	7.526	-0.003	94	65925	5.00	5.21	
81 2-Hexanone	43	7.600	7.600	0.000	96	260399	25.0	26.3	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	34436	5.00	4.92	
83 Ethylene Dibromide	107	7.867	7.864	0.003	100	39335	5.00	5.02	
86 Chlorobenzene	112	8.356	8.359	-0.003	94	110322	5.00	5.29	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	87	30324	5.00	4.68	
88 Ethylbenzene	91	8.459	8.459	0.000	99	182764	5.00	5.24	
90 m-Xylene & p-Xylene	106	8.581	8.584	-0.003	97	68669	5.00	5.09	
91 o-Xylene	106	9.005	9.005	0.000	96	70719	5.00	5.29	
92 Styrene	104	9.028	9.028	0.000	95	112567	5.00	5.14	
93 Bromoform	173	9.250	9.253	-0.003	94	21177	5.00	4.91	
95 Isopropylbenzene	105	9.398	9.394	0.004	96	161338	5.00	5.16	
97 Bromobenzene	156	9.726	9.726	0.000	96	46034	5.00	5.32	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	94	60808	5.00	5.23	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	87	21347	5.00	5.29	
101 trans-1,4-Dichloro-2-butene	53	9.813	9.812	0.000	79	19465	5.00	4.61	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	203208	5.00	5.16	
105 2-Chlorotoluene	126	9.919	9.922	-0.003	96	43505	5.00	5.26	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	95	145237	5.00	5.14	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	146109	5.00	5.18	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	31474	5.00	4.98	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	149669	5.00	5.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	94	179285	5.00	5.03	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	98	88202	5.00	5.45	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	98	154307	5.00	4.94	
113 1,4-Dichlorobenzene	146	10.742	10.742	0.000	96	87982	5.00	5.27	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	134499	5.00	5.16	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	85296	5.00	5.25	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	76	11782	5.00	5.14	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.001	93	53955	5.00	5.31	
120 Hexachlorobutadiene	225	12.629	12.626	0.003	95	19039	5.00	4.78	
121 Naphthalene	128	12.706	12.706	0.000	97	199138	5.00	5.23	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	94	51900	5.00	5.07	
S 123 1,3-Dichloropropene, Total	1				0			10.3	
S 126 Xylenes, Total	1				0			10.4	
S 124 1,2-Dichloroethene, Total	1				0			10.4	
S 125 Total BTEX	1				0			26.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00640	Amount Added:	5.00	Units: uL	
8260 CORP mix_00258	Amount Added:	5.00	Units: uL	
K WATER IS/SS_00014	Amount Added:	5.00	Units: uL	Run Reagent

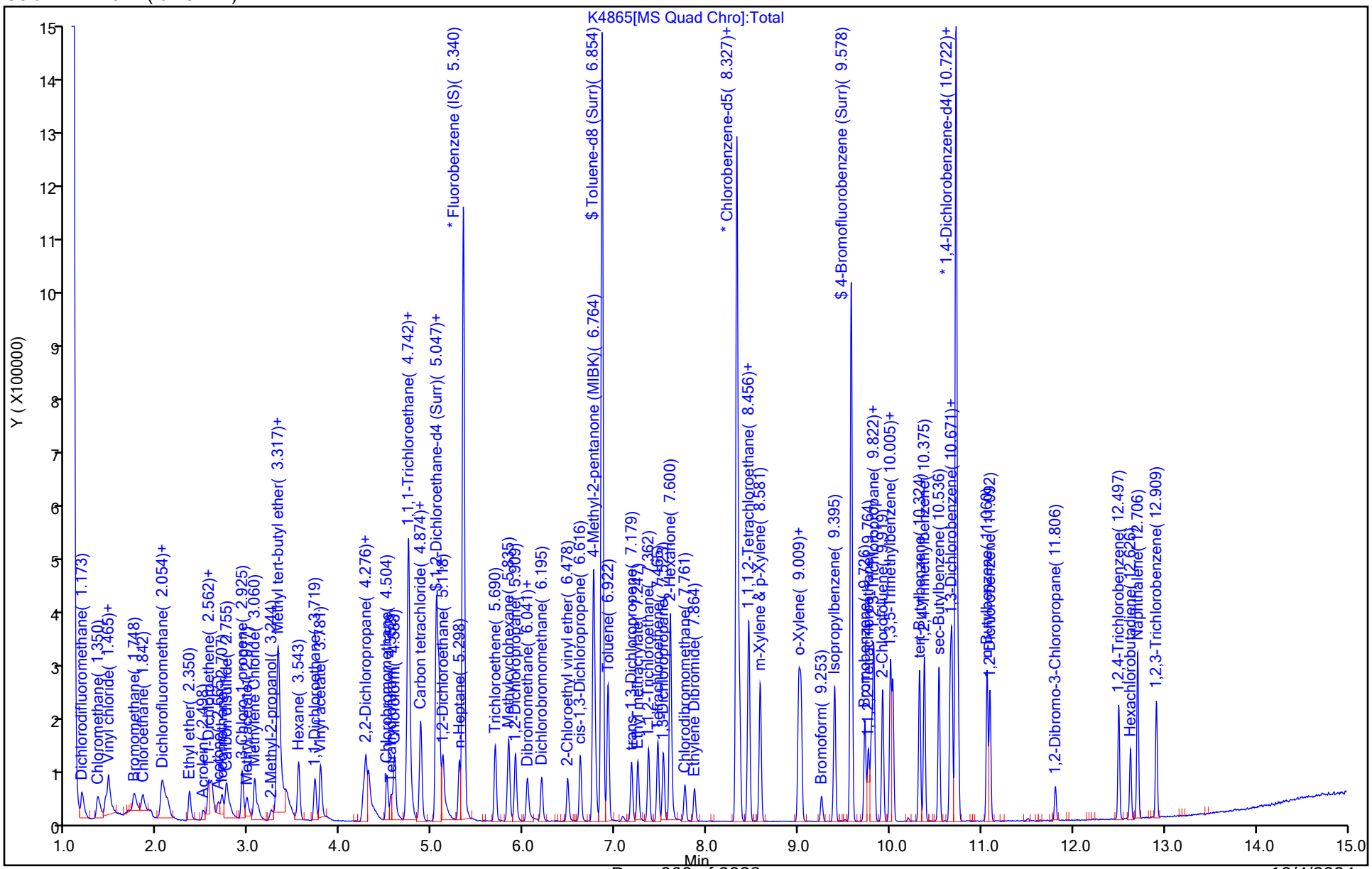
Report Date: 18-Sep-2024 11:03:24 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D

Injection Date:	17-Sep-2024 16:22:45	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

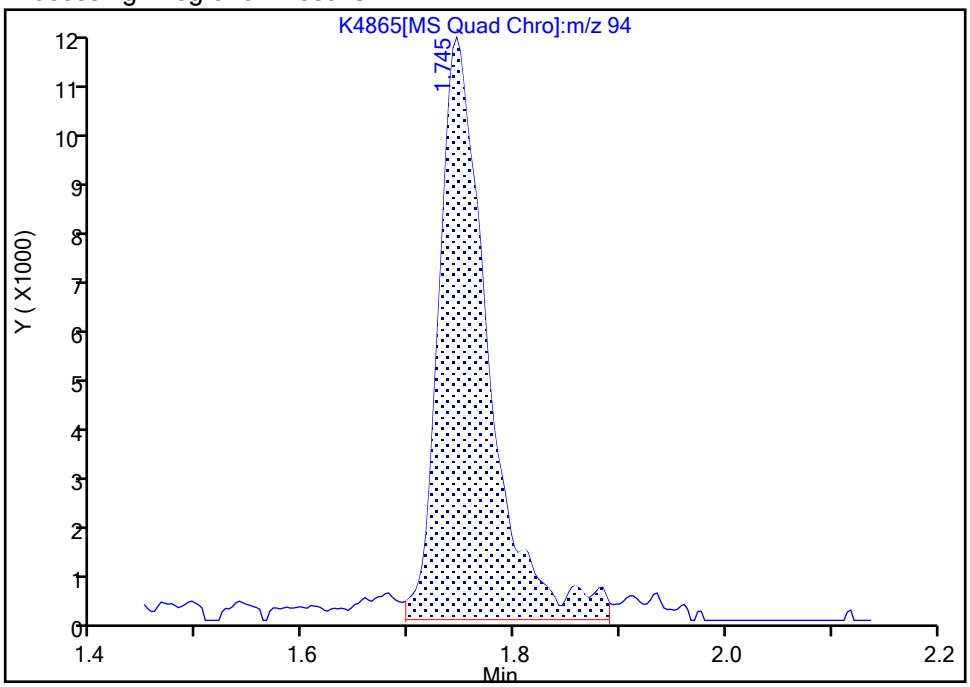
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

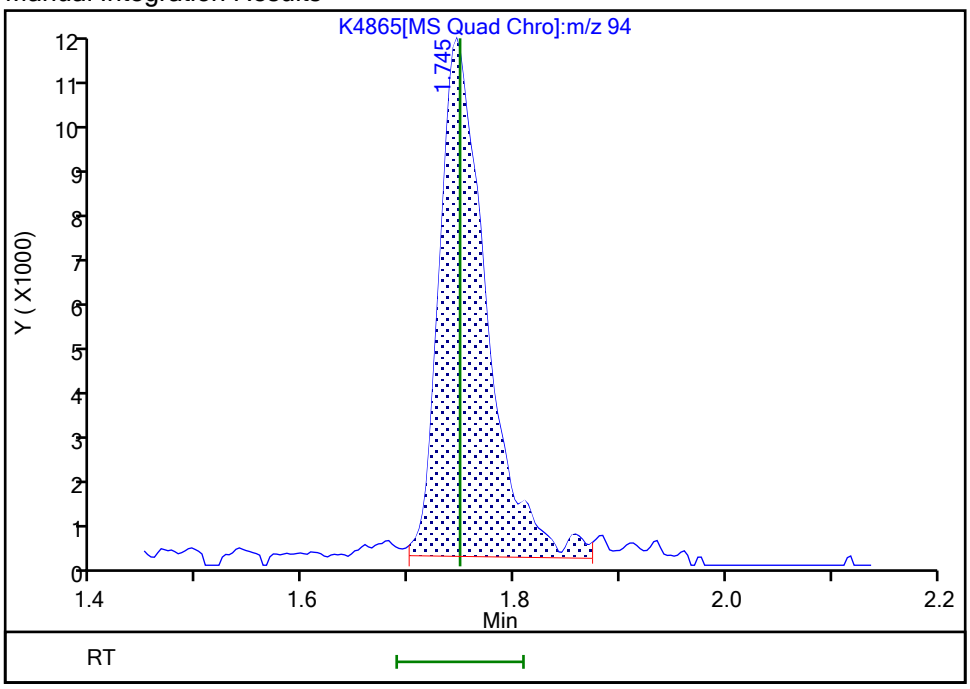
Processing Integration Results

RT: 1.75
Area: 36546
Amount: 5.456672
Amount Units: ug/L



Manual Integration Results

RT: 1.75
Area: 33946
Amount: 5.118139
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:04:33 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

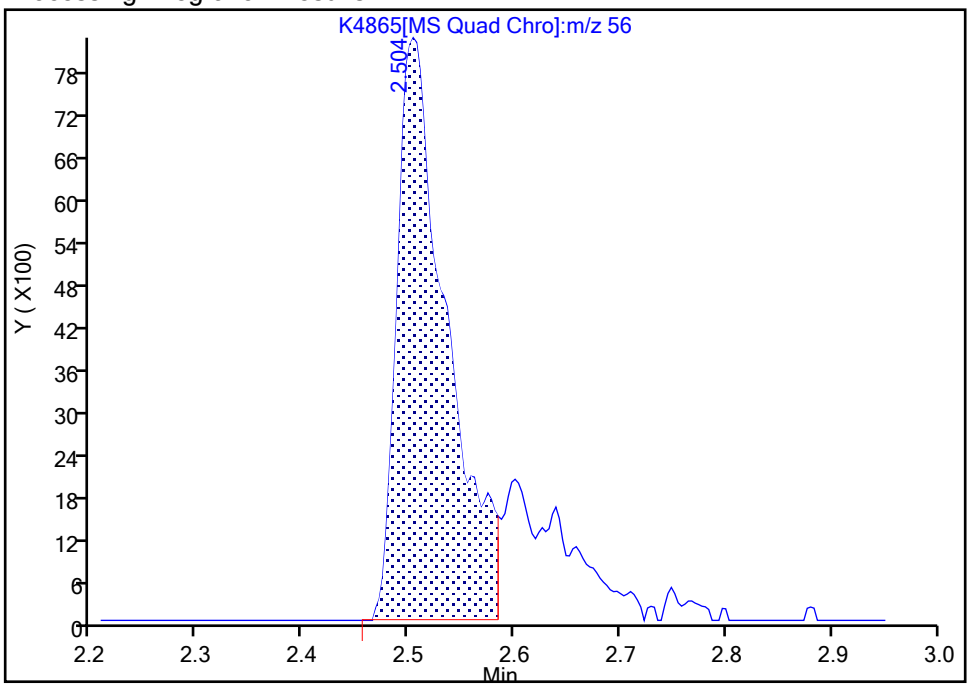
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

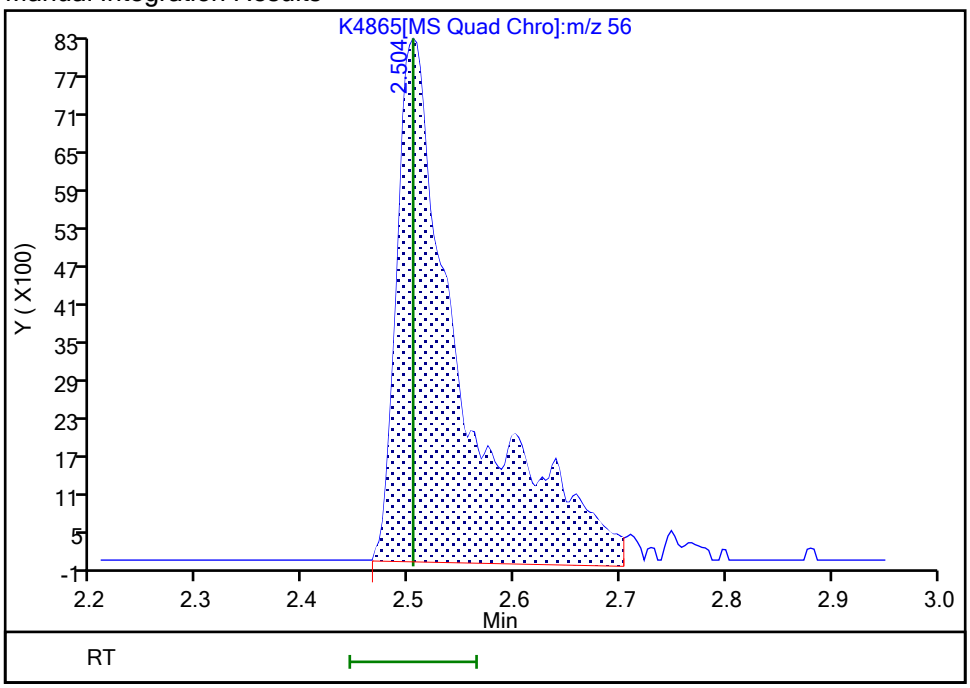
Processing Integration Results

RT: 2.50
Area: 27197
Amount: 22.996230
Amount Units: ug/L



Manual Integration Results

RT: 2.50
Area: 35846
Amount: 27.966701
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:04:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

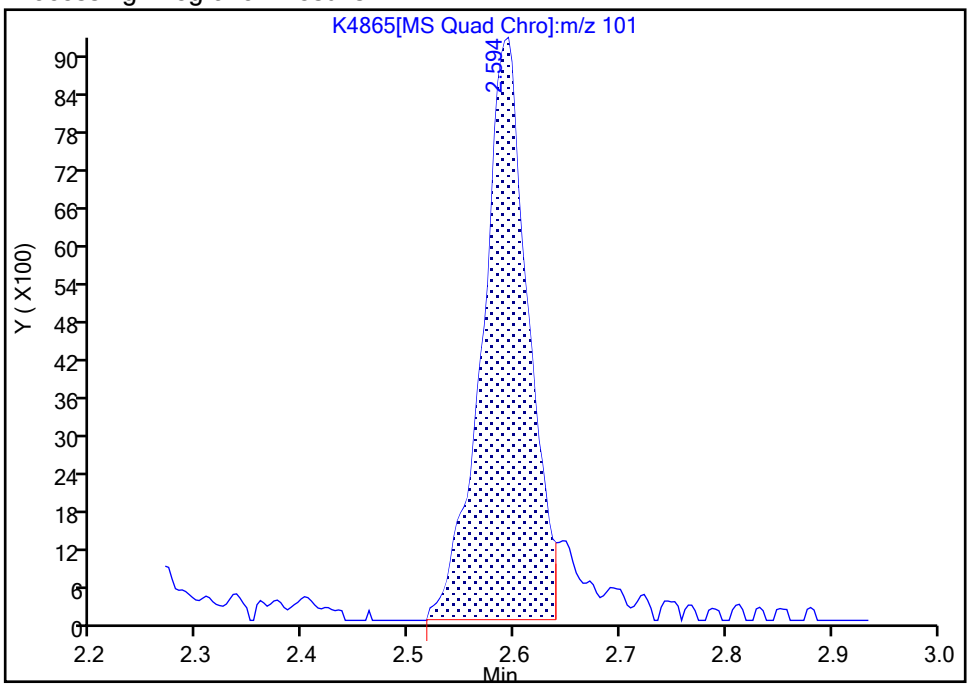
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

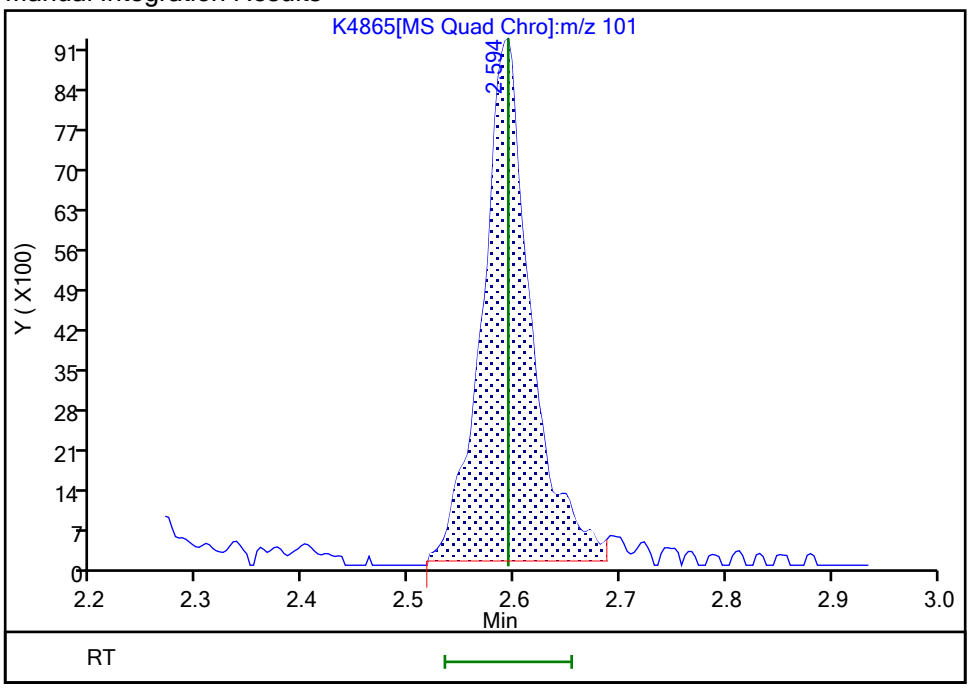
Processing Integration Results

RT: 2.59
Area: 27923
Amount: 5.144427
Amount Units: ug/L



Manual Integration Results

RT: 2.59
Area: 29328
Amount: 4.738744
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:05:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

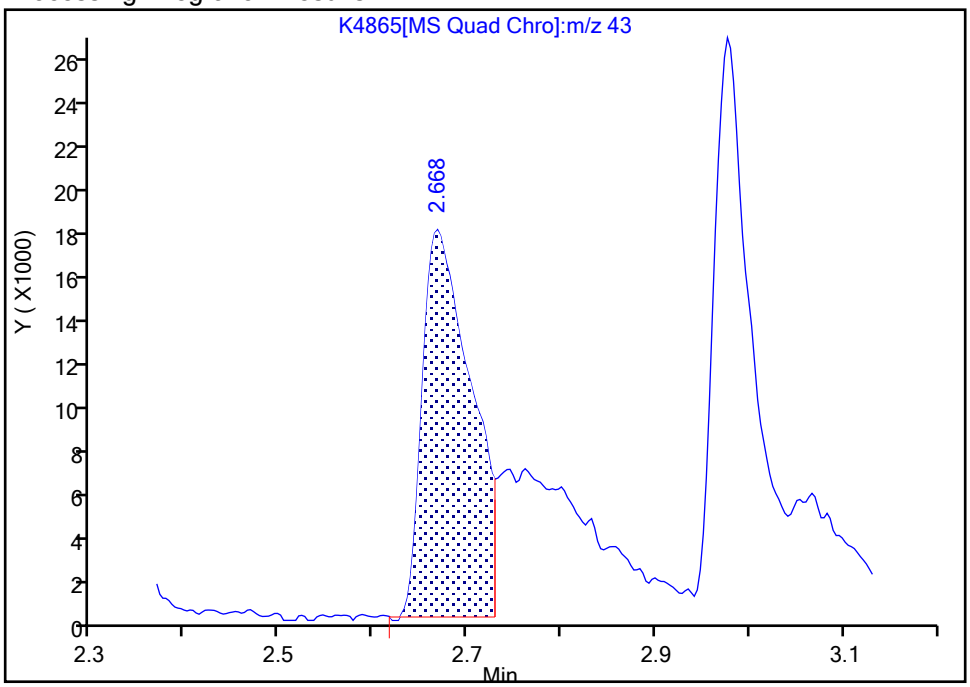
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

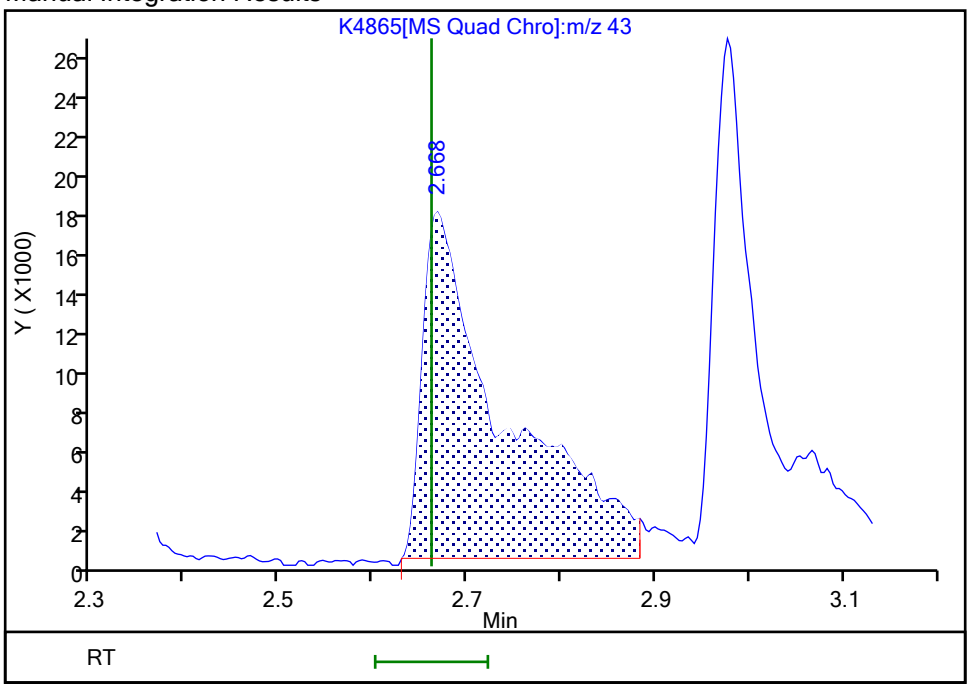
Processing Integration Results

RT: 2.67
Area: 62629
Amount: 17.749914
Amount Units: ug/L



Manual Integration Results

RT: 2.67
Area: 104410
Amount: 26.531966
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:05:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

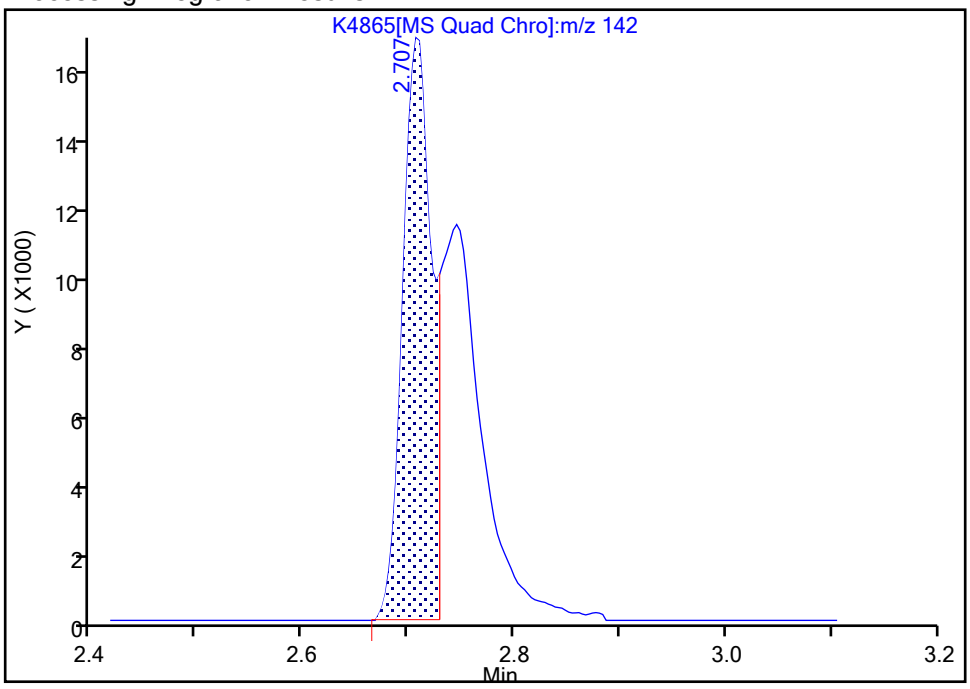
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

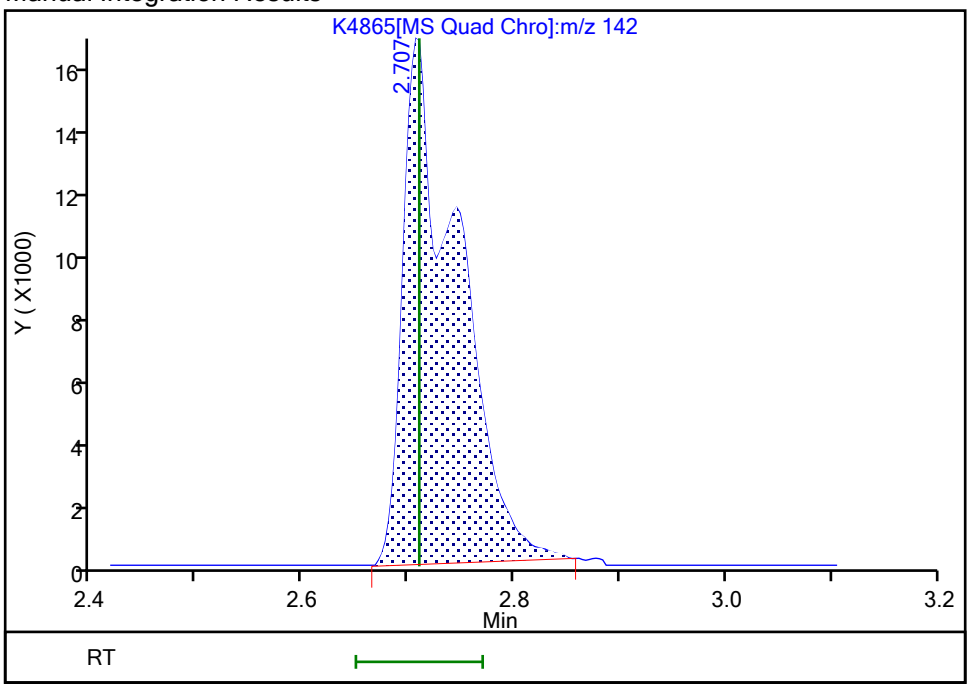
Processing Integration Results

RT: 2.71
Area: 32732
Amount: 4.069891
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 60446
Amount: 5.112919
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:05:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

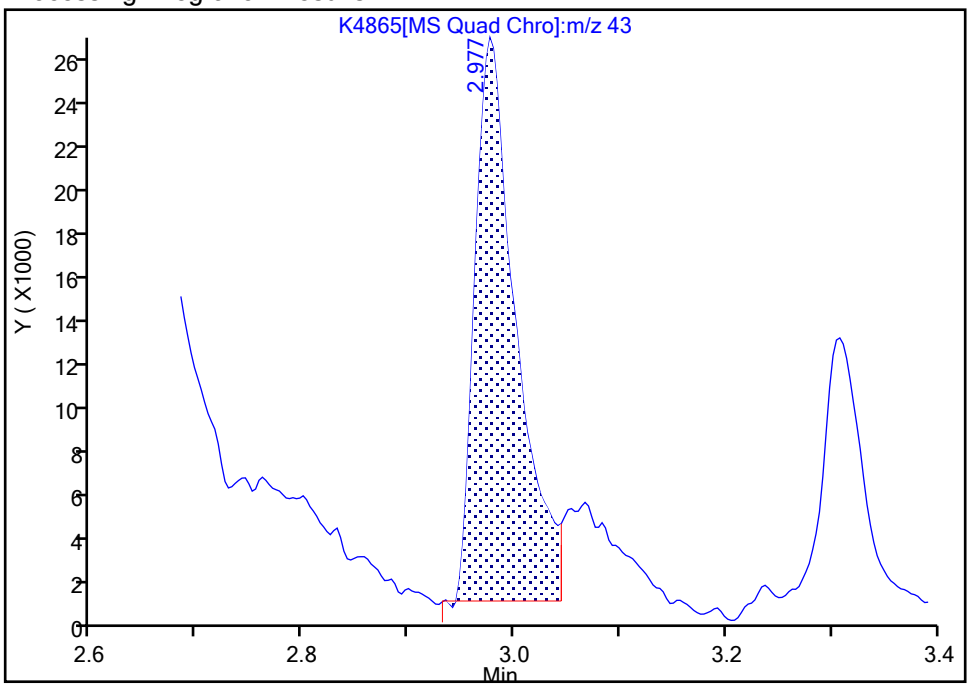
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

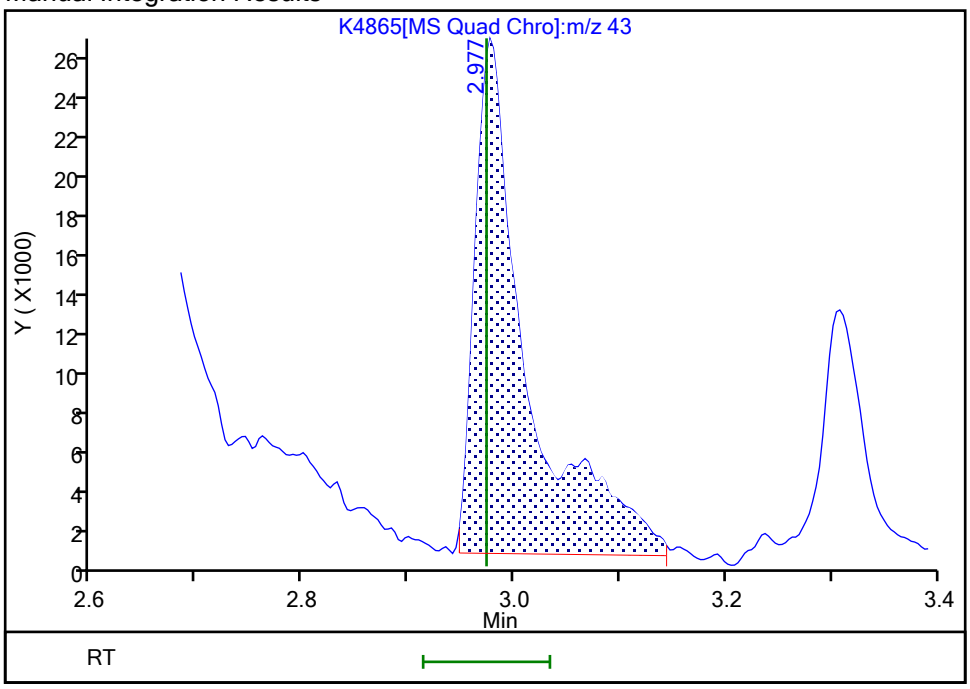
Processing Integration Results

RT: 2.98
Area: 67204
Amount: 8.106920
Amount Units: ug/L



Manual Integration Results

RT: 2.98
Area: 85563
Amount: 10.043554
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:05:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

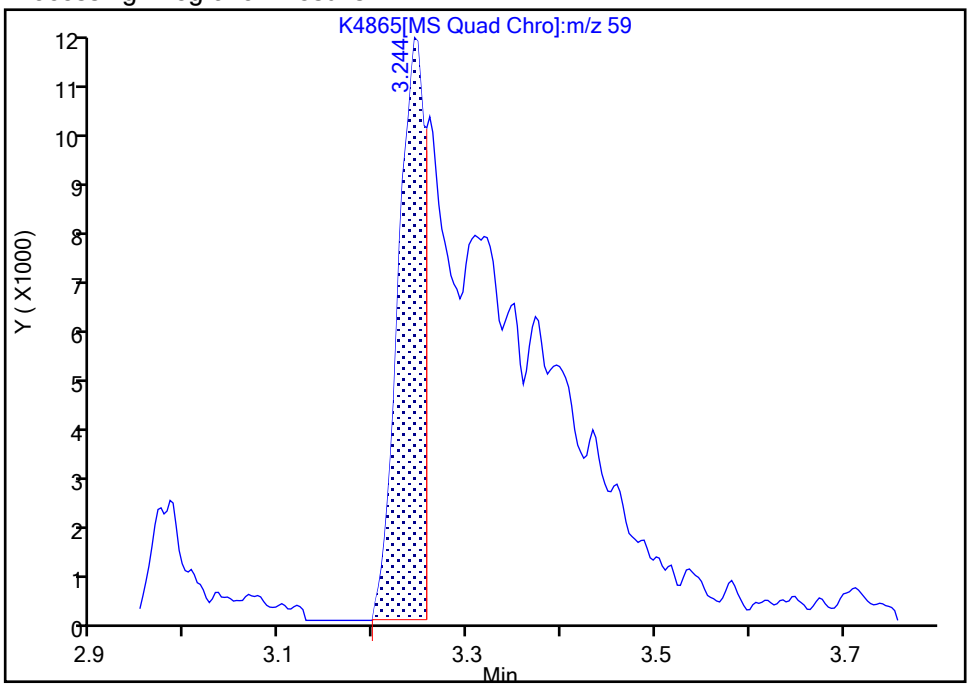
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

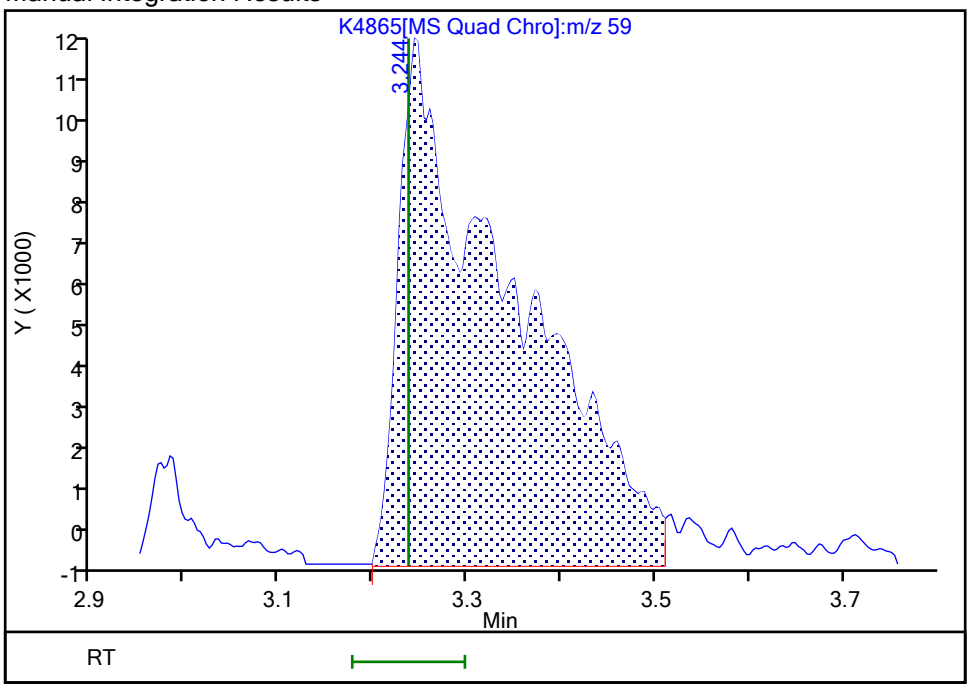
Processing Integration Results

RT: 3.24
Area: 22019
Amount: 16.104147
Amount Units: ug/L



Manual Integration Results

RT: 3.24
Area: 92584
Amount: 48.100754
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:06:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

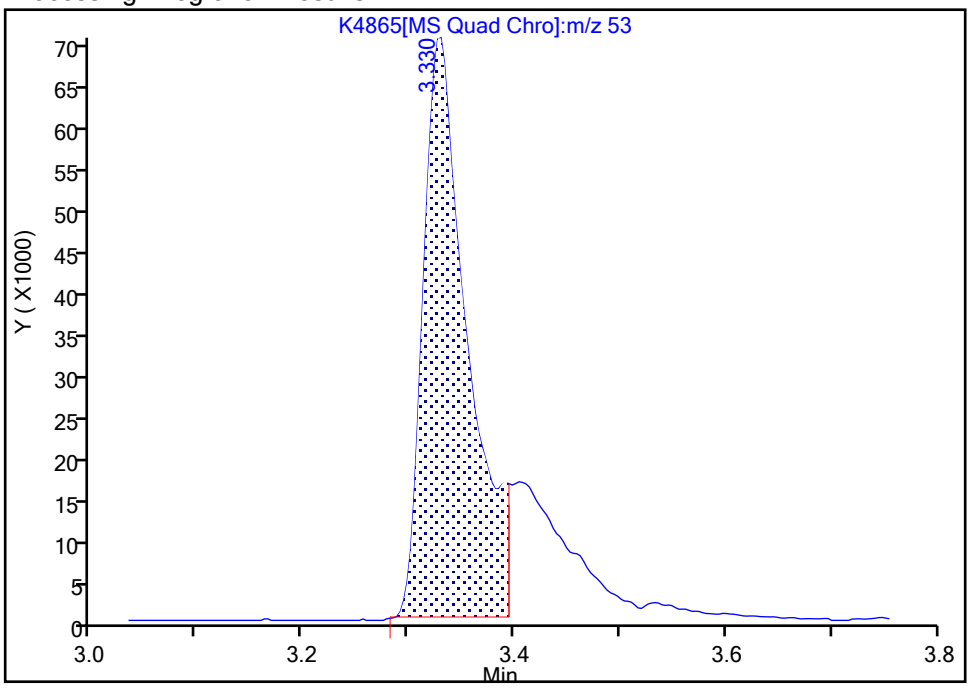
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

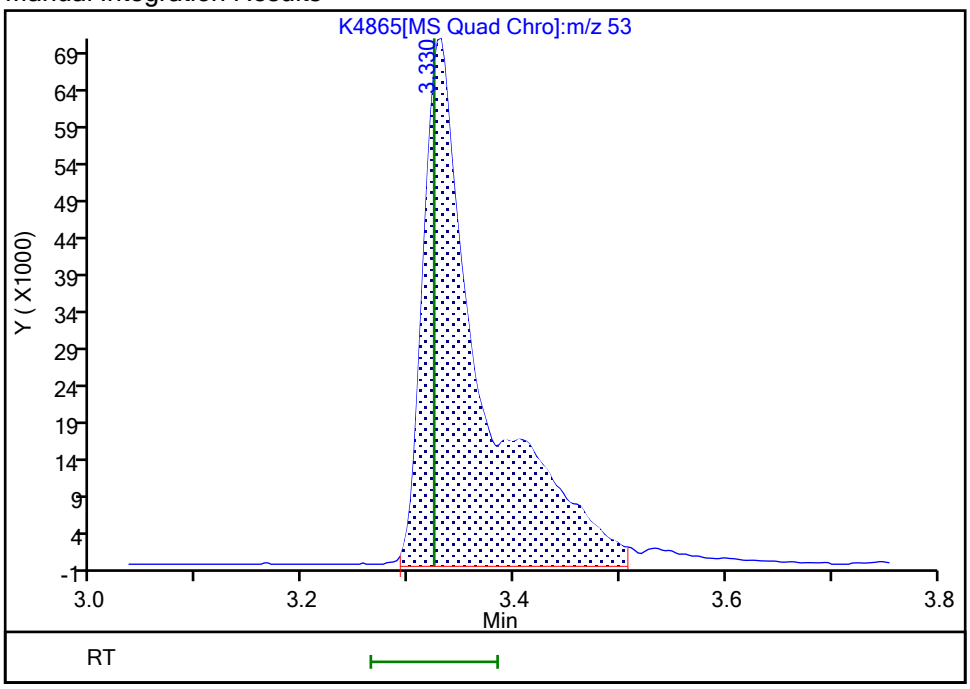
Processing Integration Results

RT: 3.33
Area: 205974
Amount: 42.757560
Amount Units: ug/L



Manual Integration Results

RT: 3.33
Area: 271444
Amount: 53.411486
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:06:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

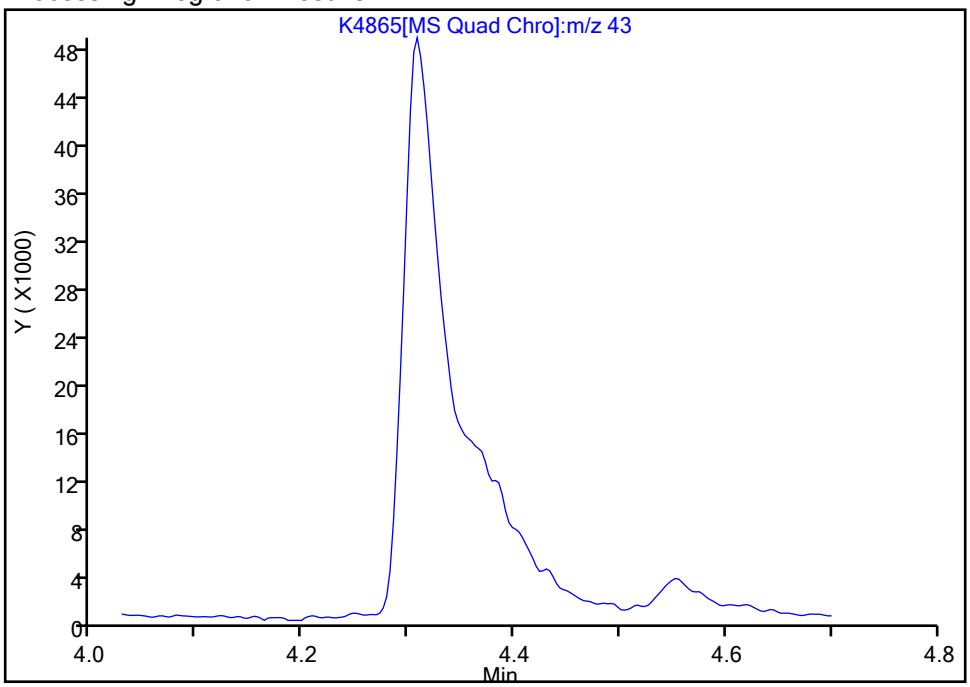
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

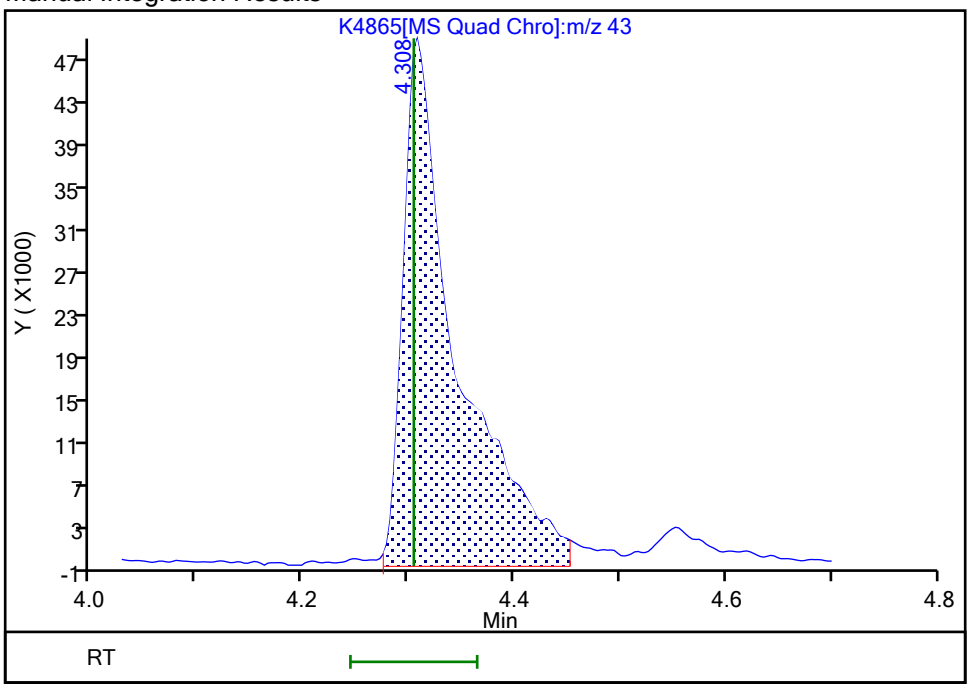
Not Detected
Expected RT: 4.30

Processing Integration Results



Manual Integration Results

RT: 4.31
Area: 172401
Amount: 26.013951
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:06:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

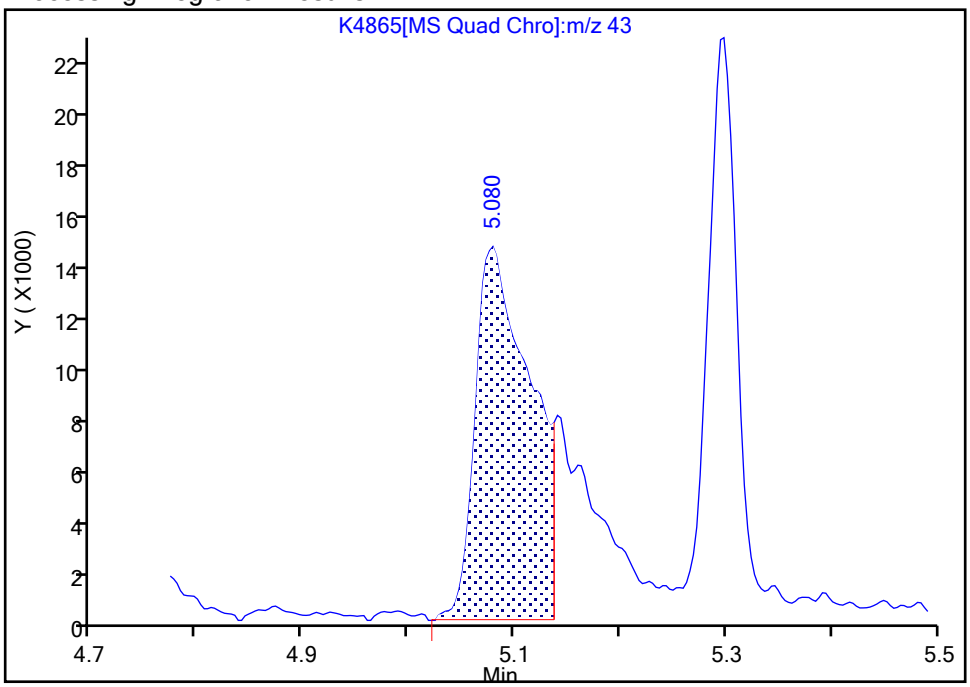
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4865.D
Injection Date: 17-Sep-2024 16:22:45 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

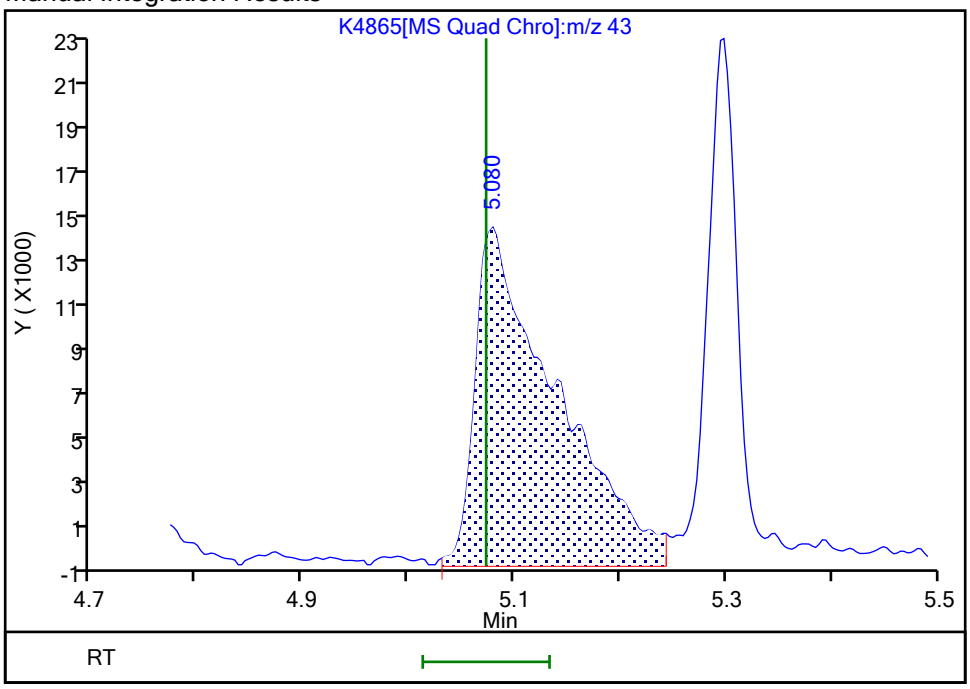
Processing Integration Results

RT: 5.08
Area: 54118
Amount: 82.255152
Amount Units: ug/L



Manual Integration Results

RT: 5.08
Area: 77903
Amount: 114.2753
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:06:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4866.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Sep-2024 16:45:25 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0120078-017
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:03:37 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 10:09:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	99	187356	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	87	702297	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	361477	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.742	0.000	95	237689	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.047	0.000	99	280142	25.0	23.5	
$ 6 Toluene-d8 (Surr)	98	6.857	6.858	-0.001	94	952873	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	271101	25.0	25.0	
11 Dichlorodifluoromethane	85	1.182	1.182	0.000	99	130622	10.0	10.4	
13 Chloromethane	50	1.356	1.353	0.003	99	136380	10.0	9.76	
14 Vinyl chloride	62	1.443	1.443	0.000	97	110767	10.0	10.6	
151 Butadiene	54	1.481	1.472	0.009	88	96820	10.0	9.55	
15 Bromomethane	94	1.748	1.748	0.000	93	74149	10.0	10.4	
16 Chloroethane	64	1.851	1.845	0.006	98	68433	10.0	9.88	
18 Dichlorofluoromethane	67	2.067	2.057	0.010	97	182895	10.0	10.1	
17 Trichlorofluoromethane	101	2.079	2.076	0.003	97	149391	10.0	10.6	
19 Ethyl ether	59	2.356	2.353	0.003	94	72777	10.0	9.15	
21 Acrolein	56	2.504	2.504	0.000	99	63676	50.0	46.1	M
22 1,1-Dichloroethene	96	2.565	2.562	0.003	94	72486	10.0	9.42	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.610	2.594	0.016	94	68061	10.0	9.49	M
23 Acetone	43	2.665	2.662	0.003	100	219442	50.0	51.8	
24 Iodomethane	142	2.710	2.710	0.000	99	128776	10.0	10.1	M
25 Carbon disulfide	76	2.761	2.761	0.000	100	205890	10.0	10.3	
27 3-Chloro-1-propene	41	2.932	2.928	0.004	93	125436	10.0	10.2	
28 Methyl acetate	43	2.977	2.973	0.004	98	169946	20.0	18.5	
30 Methylene Chloride	84	3.067	3.067	0.000	98	83619	10.0	9.79	
31 2-Methyl-2-propanol	59	3.243	3.237	0.006	99	199766	100.0	96.4	M
33 Methyl tert-butyl ether	73	3.311	3.311	0.000	99	247541	10.0	9.77	
32 trans-1,2-Dichloroethene	96	3.314	3.314	0.000	97	80277	10.0	10.4	
34 Acrylonitrile	53	3.327	3.324	0.003	99	554857	100.0	101.4	
35 Hexane	57	3.546	3.546	0.000	91	121989	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.723	3.723	-0.001	97	160549	10.0	10.3	
39 Vinyl acetate	43	3.784	3.780	0.004	98	371517	20.0	19.8	
42 2,2-Dichloropropane	77	4.253	4.256	-0.003	92	72245	10.0	10.1	
43 cis-1,2-Dichloroethene	96	4.279	4.279	0.000	81	91442	10.0	10.4	
44 2-Butanone (MEK)	43	4.308	4.305	0.003	99	359466	50.0	50.4	
47 Chlorobromomethane	128	4.507	4.507	0.000	97	44776	10.0	9.60	
48 Tetrahydrofuran	42	4.549	4.546	0.003	84	95163	20.0	20.1	
50 Chloroform	83	4.591	4.591	0.000	96	154884	10.0	9.86	
51 1,1,1-Trichloroethane	97	4.722	4.723	-0.001	98	124214	10.0	9.30	
52 Cyclohexane	56	4.755	4.755	0.000	92	141172	10.0	8.82	
53 Carbon tetrachloride	117	4.874	4.874	0.000	96	95280	10.0	9.33	
54 1,1-Dichloropropene	75	4.880	4.877	0.003	92	112990	10.0	10.6	
56 Isobutyl alcohol	43	5.076	5.073	0.003	94	167457	250.0	228.1	
55 Benzene	78	5.073	5.073	0.000	99	330610	10.0	10.5	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	97	139805	10.0	10.3	
59 n-Heptane	43	5.298	5.298	0.000	93	100526	10.0	10.8	
60 Trichloroethene	95	5.690	5.690	0.000	97	90736	10.0	10.7	
62 Methylcyclohexane	83	5.835	5.835	0.000	94	136769	10.0	9.54	
63 1,2-Dichloropropane	63	5.912	5.909	0.003	92	87436	10.0	10.3	
65 Dibromomethane	93	6.041	6.041	0.000	96	57751	10.0	10.0	
66 1,4-Dioxane	88	6.060	6.057	0.003	91	25944	200.0	197.6	
67 Dichlorobromomethane	83	6.198	6.198	0.000	98	102509	10.0	10.2	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	92	72132	10.0	10.3	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	92	125992	10.0	10.3	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.761	0.003	97	709649	50.0	50.3	
73 Toluene	92	6.922	6.922	0.000	98	211412	10.0	10.8	
75 trans-1,3-Dichloropropene	75	7.176	7.179	-0.003	98	107878	10.0	9.93	
77 Ethyl methacrylate	69	7.247	7.247	0.000	90	114966	10.0	10.1	
78 1,1,2-Trichloroethane	83	7.366	7.362	0.004	93	66347	10.0	10.4	
79 Tetrachloroethene	166	7.465	7.465	0.000	95	92340	10.0	10.8	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	95	135594	10.0	10.0	
81 2-Hexanone	43	7.600	7.600	0.000	96	549398	50.0	51.8	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	74907	10.0	10.0	
83 Ethylene Dibromide	107	7.864	7.864	0.000	97	84208	10.0	10.0	
86 Chlorobenzene	112	8.359	8.359	0.000	94	234877	10.0	10.5	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	91	68466	10.0	9.87	
88 Ethylbenzene	91	8.459	8.459	0.000	99	405292	10.0	10.9	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	155536	10.0	10.8	
91 o-Xylene	106	9.005	9.005	0.000	98	151538	10.0	10.6	
92 Styrene	104	9.028	9.028	0.000	95	250939	10.0	10.7	
93 Bromoform	173	9.253	9.253	0.000	95	45943	10.0	9.96	
95 Isopropylbenzene	105	9.394	9.394	0.000	96	362430	10.0	10.9	
97 Bromobenzene	156	9.729	9.726	0.003	97	96688	10.0	10.5	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	93	126926	10.0	10.2	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	86	43211	10.0	10.0	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.812	0.000	80	46412	10.0	10.3	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	469277	10.0	11.1	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	95514	10.0	10.8	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	94	323187	10.0	10.7	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	317811	10.0	10.6	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	74231	10.0	11.0	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	334497	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	411540	10.0	10.8	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	98	184308	10.0	10.7	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	354477	10.0	10.6	
113 1,4-Dichlorobenzene	146	10.745	10.742	0.003	96	183430	10.0	10.3	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	303896	10.0	10.9	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	180359	10.0	10.4	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	78	24913	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	12.500	12.501	0.000	94	113292	10.0	10.4	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	96	45727	10.0	10.5	
121 Naphthalene	128	12.706	12.706	0.000	97	414800	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	95	113987	10.0	10.4	
S 123 1,3-Dichloropropene, Total	1				0			20.2	
S 126 Xylenes, Total	1				0			21.4	
S 124 1,2-Dichloroethene, Total	1				0			20.8	
S 125 Total BTEX	1				0			53.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00640	Amount Added:	5.00	Units: uL	
8260 CORP mix_00258	Amount Added:	5.00	Units: uL	
K WATER IS/SS_00014	Amount Added:	5.00	Units: uL	Run Reagent

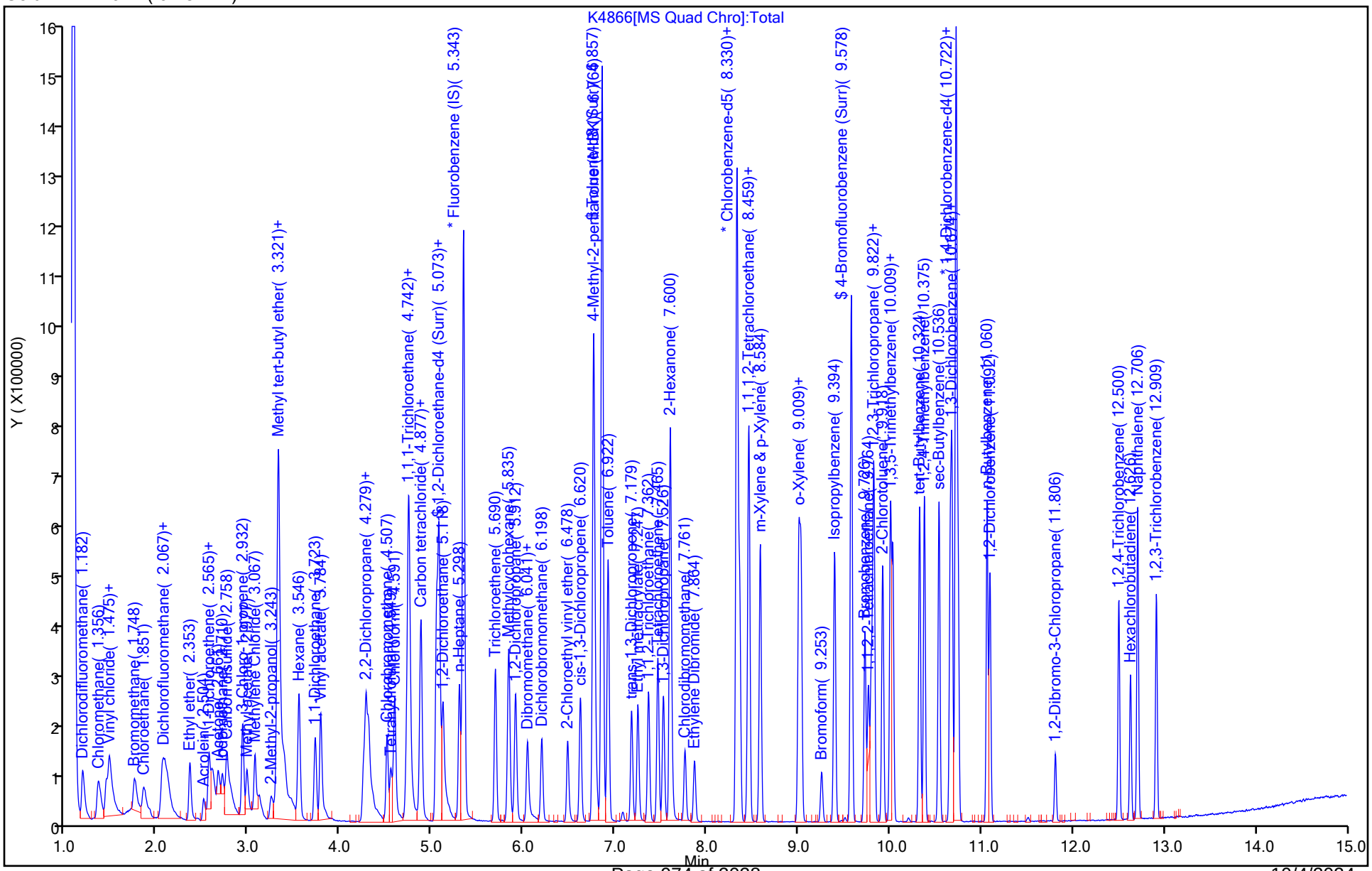
Report Date: 18-Sep-2024 11:03:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4866.D

Injection Date:	17-Sep-2024 16:45:25	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

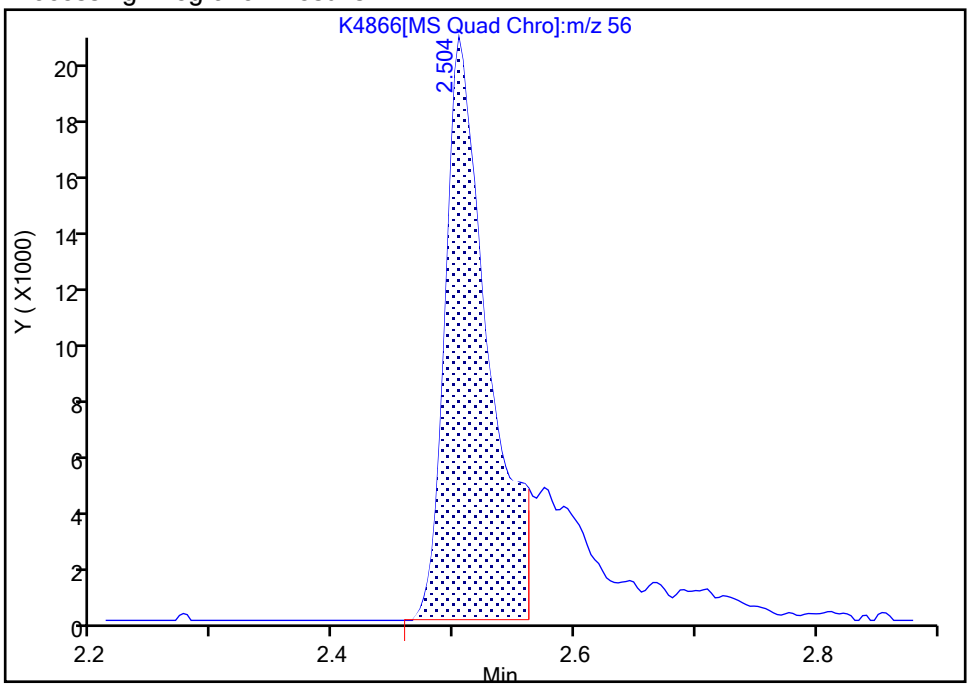
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4866.D
Injection Date: 17-Sep-2024 16:45:25 Instrument ID: HP5977K
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

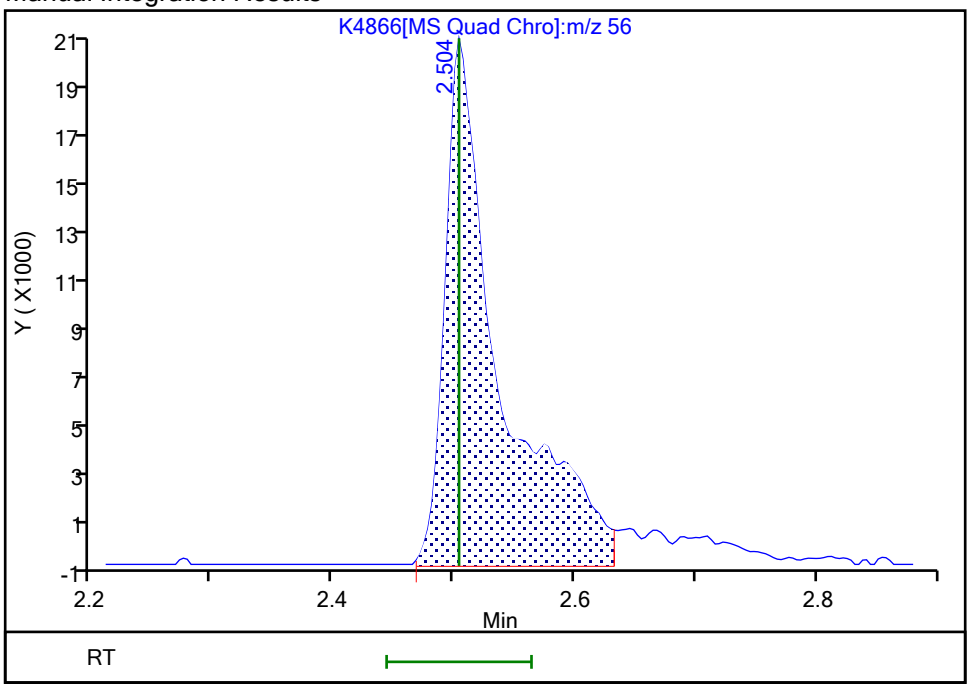
Processing Integration Results

RT: 2.50
Area: 49842
Amount: 37.756439
Amount Units: ug/L



Manual Integration Results

RT: 2.50
Area: 63676
Amount: 46.135262
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:08:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

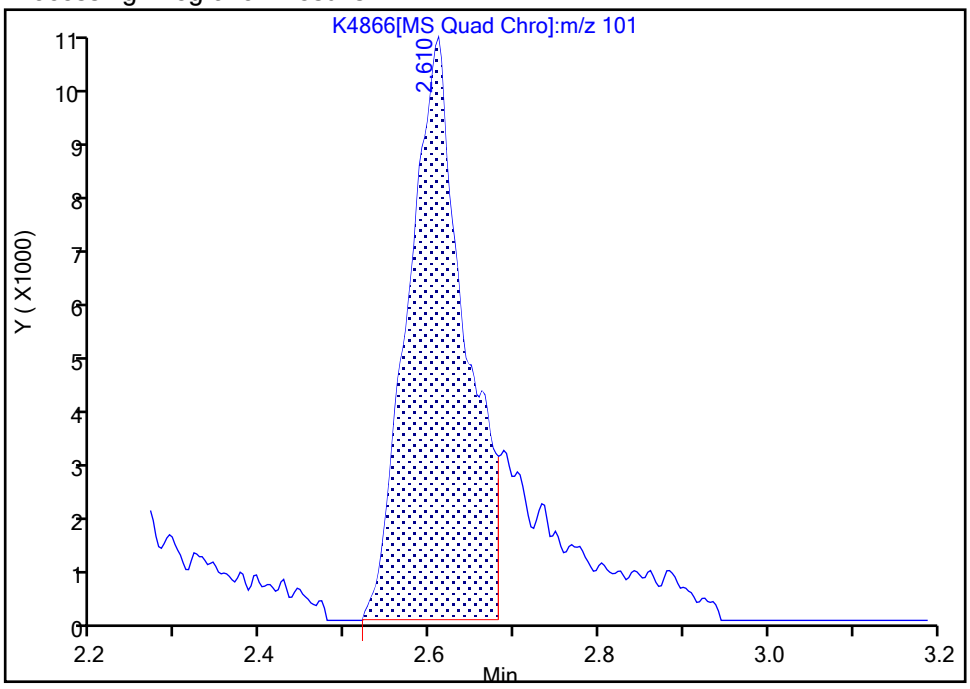
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4866.D
Injection Date: 17-Sep-2024 16:45:25 Instrument ID: HP5977K
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

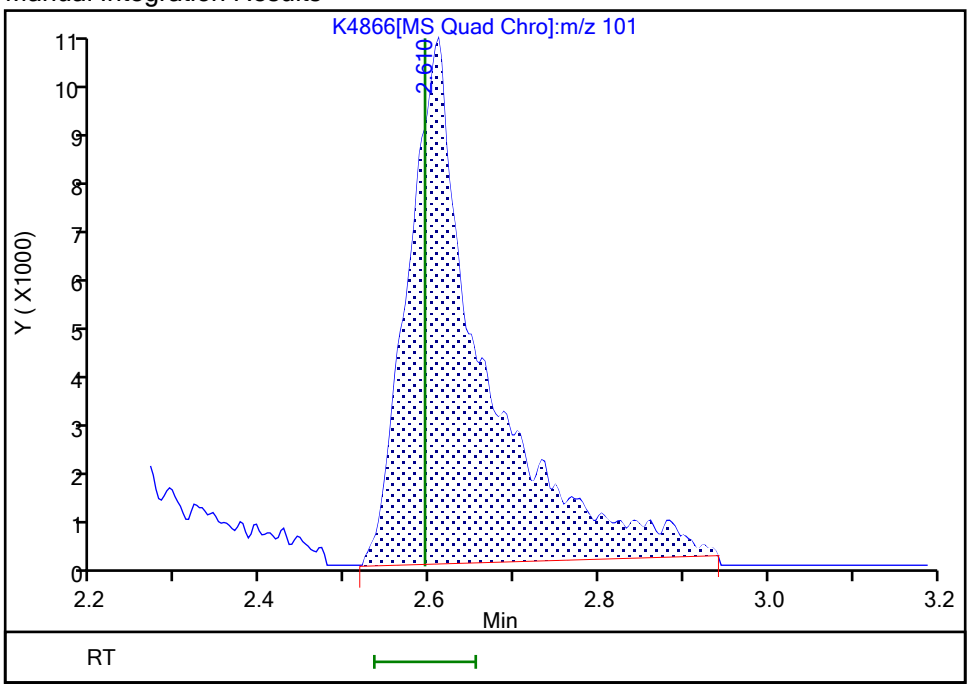
Processing Integration Results

RT: 2.61
Area: 51116
Amount: 8.689346
Amount Units: ug/L



Manual Integration Results

RT: 2.61
Area: 68061
Amount: 9.485439
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:08:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

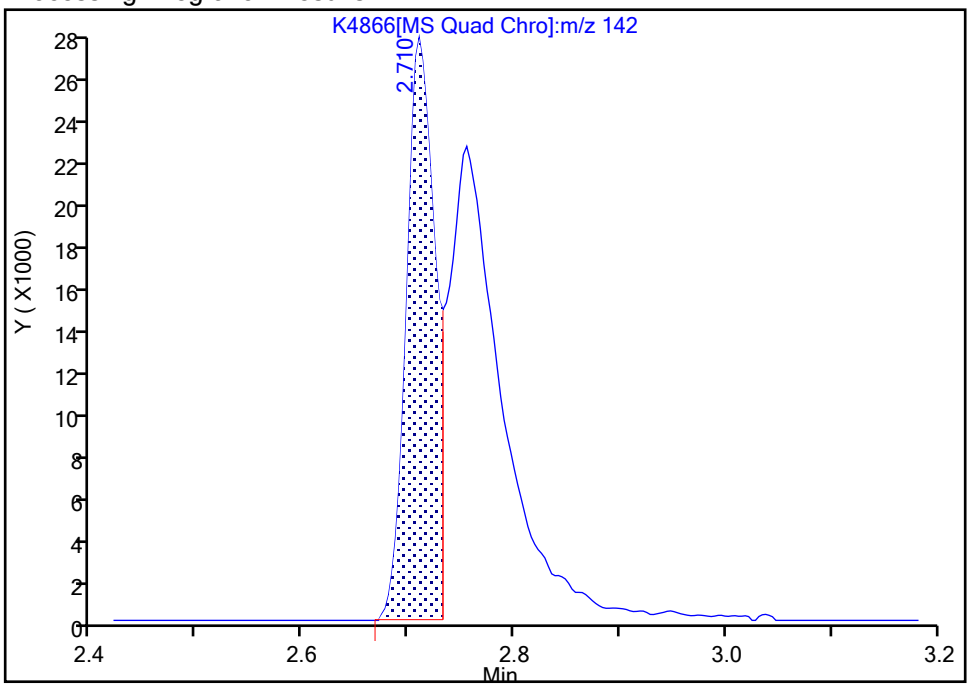
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4866.D
Injection Date: 17-Sep-2024 16:45:25 Instrument ID: HP5977K
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

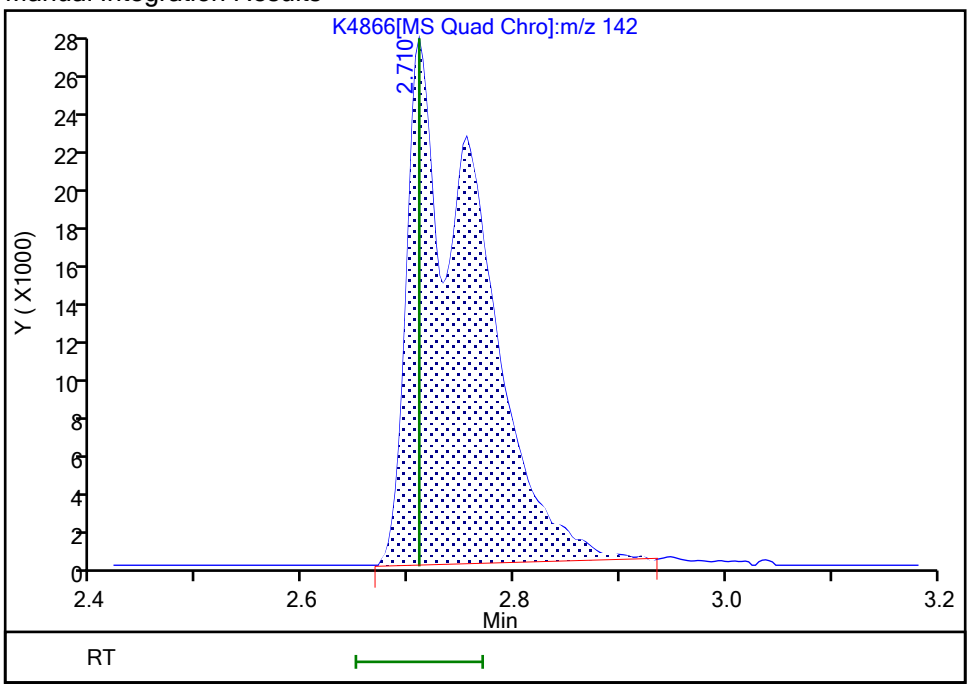
Processing Integration Results

RT: 2.71
Area: 53247
Amount: 5.660733
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 128776
Amount: 10.115631
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:08:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

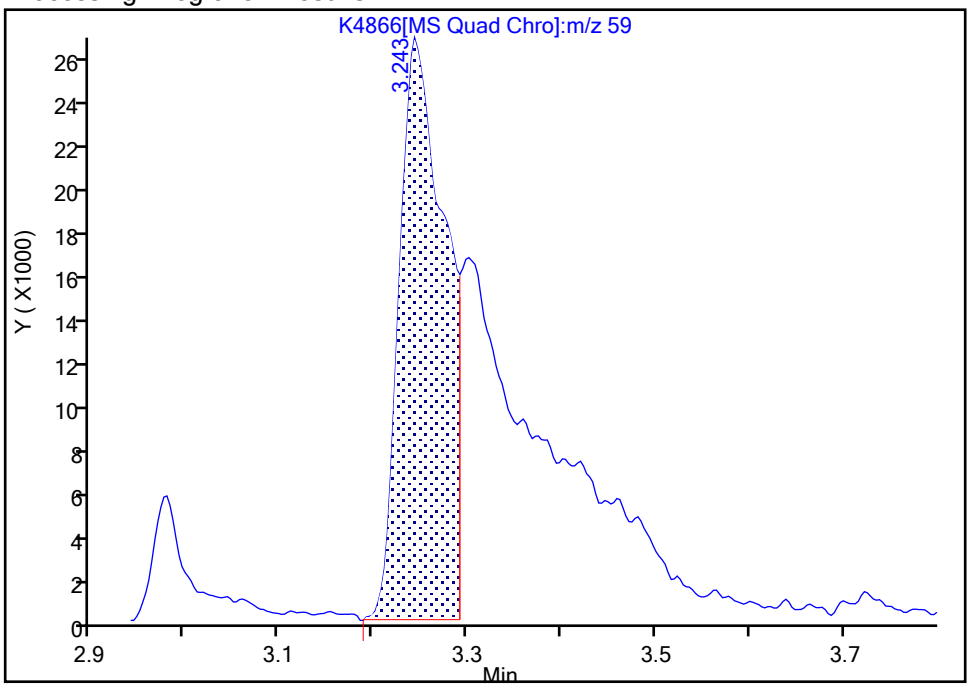
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4866.D
Injection Date: 17-Sep-2024 16:45:25 Instrument ID: HP5977K
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

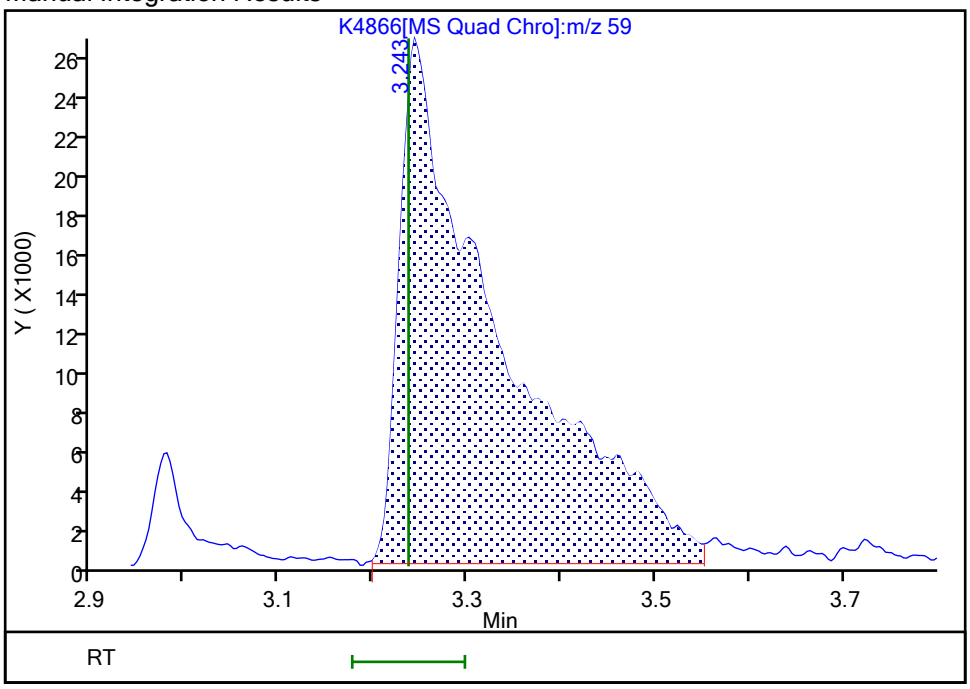
Processing Integration Results

RT: 3.24
Area: 91844
Amount: 55.251560
Amount Units: ug/L



Manual Integration Results

RT: 3.24
Area: 199766
Amount: 96.381615
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:09:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4867.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 17-Sep-2024 17:08:02 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0120078-018
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:03:52 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 10:11:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.343	0.000	99	184310	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.330	0.000	88	655672	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	335241	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.742	0.000	93	233348	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.047	0.000	97	282001	25.0	24.1	
$ 6 Toluene-d8 (Surr)	98	6.858	6.858	0.000	94	892184	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	253090	25.0	25.0	
11 Dichlorodifluoromethane	85	1.182	1.182	0.000	99	314778	25.0	25.6	
13 Chloromethane	50	1.353	1.353	0.000	99	311848	25.0	22.7	
14 Vinyl chloride	62	1.443	1.443	0.000	98	253007	25.0	24.6	
151 Butadiene	54	1.472	1.472	0.000	88	257398	25.0	25.8	
15 Bromomethane	94	1.748	1.748	0.000	91	166937	25.0	23.8	
16 Chloroethane	64	1.845	1.845	0.000	99	172663	25.0	25.4	
18 Dichlorofluoromethane	67	2.057	2.057	0.000	97	430726	25.0	24.2	
17 Trichlorofluoromethane	101	2.076	2.076	0.000	96	357746	25.0	25.8	
19 Ethyl ether	59	2.353	2.353	0.000	94	190767	25.0	24.4	
21 Acrolein	56	2.504	2.504	0.000	99	157466	125.0	116.0	
22 1,1-Dichloroethene	96	2.562	2.562	0.000	94	184787	25.0	23.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.594	2.594	0.000	93	174431	25.0	23.7	
23 Acetone	43	2.662	2.662	0.000	100	519475	125.0	124.6	M
24 Iodomethane	142	2.710	2.710	0.000	99	318588	25.0	25.4	M
25 Carbon disulfide	76	2.761	2.761	0.000	100	517250	25.0	26.4	
27 3-Chloro-1-propene	41	2.928	2.928	0.000	87	304915	25.0	25.1	
28 Methyl acetate	43	2.973	2.973	0.000	98	464260	50.0	51.4	
30 Methylene Chloride	84	3.067	3.067	0.000	98	198656	25.0	24.0	
31 2-Methyl-2-propanol	59	3.237	3.237	0.000	100	490220	250.0	240.4	M
33 Methyl tert-butyl ether	73	3.311	3.311	0.000	98	608160	25.0	24.4	
32 trans-1,2-Dichloroethene	96	3.314	3.314	0.000	95	200790	25.0	26.4	
34 Acrylonitrile	53	3.324	3.324	0.000	98	1229910	250.0	228.5	
35 Hexane	57	3.546	3.546	0.000	91	293641	25.0	27.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.723	3.723	0.000	97	385020	25.0	25.2	
39 Vinyl acetate	43	3.780	3.780	0.000	98	909512	50.0	49.2	
42 2,2-Dichloropropane	77	4.256	4.256	0.000	89	177676	25.0	25.2	
43 cis-1,2-Dichloroethene	96	4.279	4.279	0.000	81	217581	25.0	25.2	
44 2-Butanone (MEK)	43	4.305	4.305	0.000	99	815931	125.0	116.2	
47 Chlorobromomethane	128	4.507	4.507	0.000	97	108517	25.0	23.7	
48 Tetrahydrofuran	42	4.546	4.546	0.000	87	200400	50.0	43.0	
50 Chloroform	83	4.591	4.591	0.000	96	365577	25.0	23.7	
51 1,1,1-Trichloroethane	97	4.723	4.723	0.000	98	310667	25.0	22.9	
52 Cyclohexane	56	4.755	4.755	0.000	93	378887	25.0	22.9	
53 Carbon tetrachloride	117	4.874	4.874	0.000	97	243757	25.0	23.2	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	92	275351	25.0	26.3	
56 Isobutyl alcohol	43	5.073	5.073	0.000	92	454253	625.0	629.0	
55 Benzene	78	5.073	5.073	0.000	98	771017	25.0	24.9	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	98	318768	25.0	23.8	
59 n-Heptane	43	5.298	5.298	0.000	91	237474	25.0	25.9	
60 Trichloroethene	95	5.690	5.690	0.000	95	207509	25.0	24.8	
62 Methylcyclohexane	83	5.835	5.835	0.000	94	334172	25.0	22.8	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	92	201827	25.0	24.1	
65 Dibromomethane	93	6.041	6.041	0.000	95	134582	25.0	23.7	
66 1,4-Dioxane	88	6.057	6.057	0.000	98	66850	500.0	545.3	
67 Dichlorobromomethane	83	6.198	6.198	0.000	98	242429	25.0	24.6	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	92	158129	25.0	23.1	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	92	293621	25.0	24.3	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	96	1597626	125.0	121.3	
73 Toluene	92	6.922	6.922	0.000	98	486352	25.0	26.6	
75 trans-1,3-Dichloropropene	75	7.179	7.179	0.000	98	255688	25.0	25.2	
77 Ethyl methacrylate	69	7.247	7.247	0.000	90	262769	25.0	24.8	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	94	149109	25.0	25.1	
79 Tetrachloroethene	166	7.465	7.465	0.000	95	214590	25.0	27.0	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	95	301839	25.0	23.9	
81 2-Hexanone	43	7.600	7.600	0.000	95	1182802	125.0	119.5	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	178257	25.0	25.5	
83 Ethylene Dibromide	107	7.864	7.864	0.000	99	191181	25.0	24.4	
86 Chlorobenzene	112	8.359	8.359	0.000	94	534951	25.0	25.7	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	90	168178	25.0	26.0	
88 Ethylbenzene	91	8.459	8.459	0.000	99	923236	25.0	26.5	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	360662	25.0	26.8	
91 o-Xylene	106	9.005	9.005	0.000	97	353257	25.0	26.5	
92 Styrene	104	9.028	9.028	0.000	96	566945	25.0	25.9	
93 Bromoform	173	9.253	9.253	0.000	95	113195	25.0	26.3	
95 Isopropylbenzene	105	9.394	9.394	0.000	96	845483	25.0	27.3	
97 Bromobenzene	156	9.726	9.726	0.000	96	222560	25.0	26.0	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	96	283158	25.0	24.6	
100 1,2,3-Trichloropropane	110	9.793	9.793	0.000	87	98111	25.0	24.5	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.812	0.000	86	102037	25.0	24.4	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	1079715	25.0	27.7	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	220762	25.0	27.0	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	95	765701	25.0	27.3	
102 4-Chlorotoluene	91	10.031	10.031	0.000	98	733229	25.0	26.3	
106 tert-Butylbenzene	134	10.324	10.324	0.000	93	170051	25.0	27.1	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	783141	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	965289	25.0	27.3	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	98	424713	25.0	26.5	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	842073	25.0	27.2	
113 1,4-Dichlorobenzene	146	10.742	10.742	0.000	94	422199	25.0	25.5	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	720088	25.0	27.9	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	414675	25.0	25.8	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	89	59733	25.0	26.3	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	95	265791	25.0	26.4	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	96	101648	25.0	24.9	
121 Naphthalene	128	12.706	12.706	0.000	97	968847	25.0	25.7	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	96	268638	25.0	26.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00640	Amount Added: 12.50	Units: uL	
8260 CORP mix_00258	Amount Added: 12.50	Units: uL	
K WATER IS/SS_00014	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 18-Sep-2024 11:03:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4867.D

Injection Date: 17-Sep-2024 17:08:02 Instrument ID: HP5977K Operator ID: LH

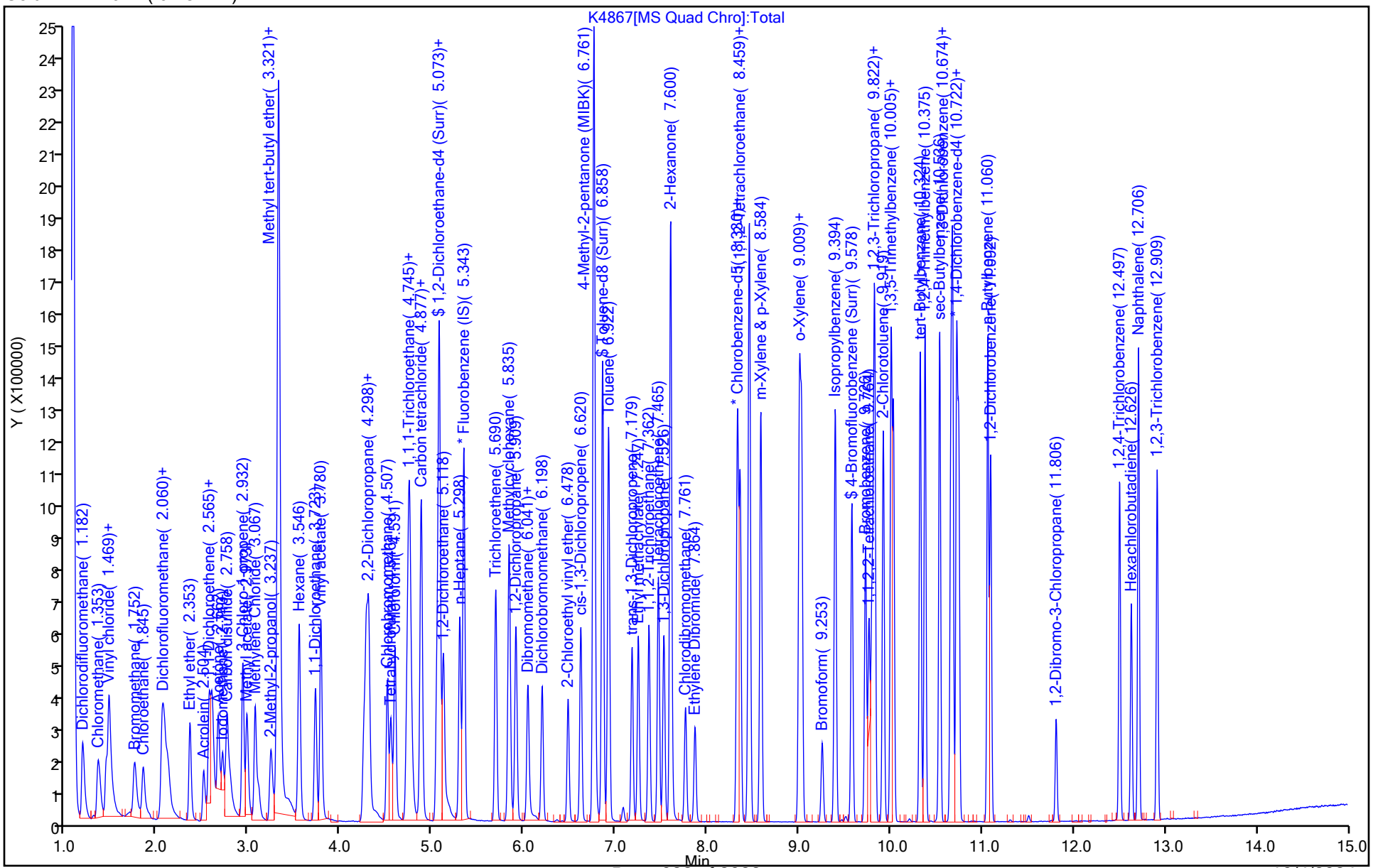
Lims ID: ICIS 5 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: K-8260 WATER Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo

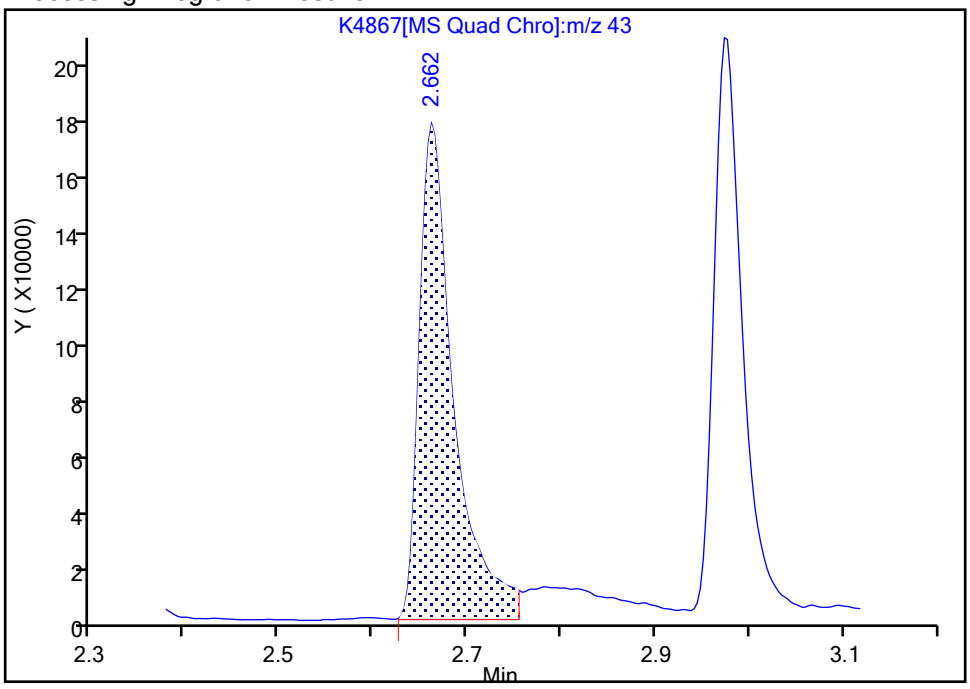
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4867.D
Injection Date: 17-Sep-2024 17:08:02 Instrument ID: HP5977K
Lims ID: ICIS 5
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

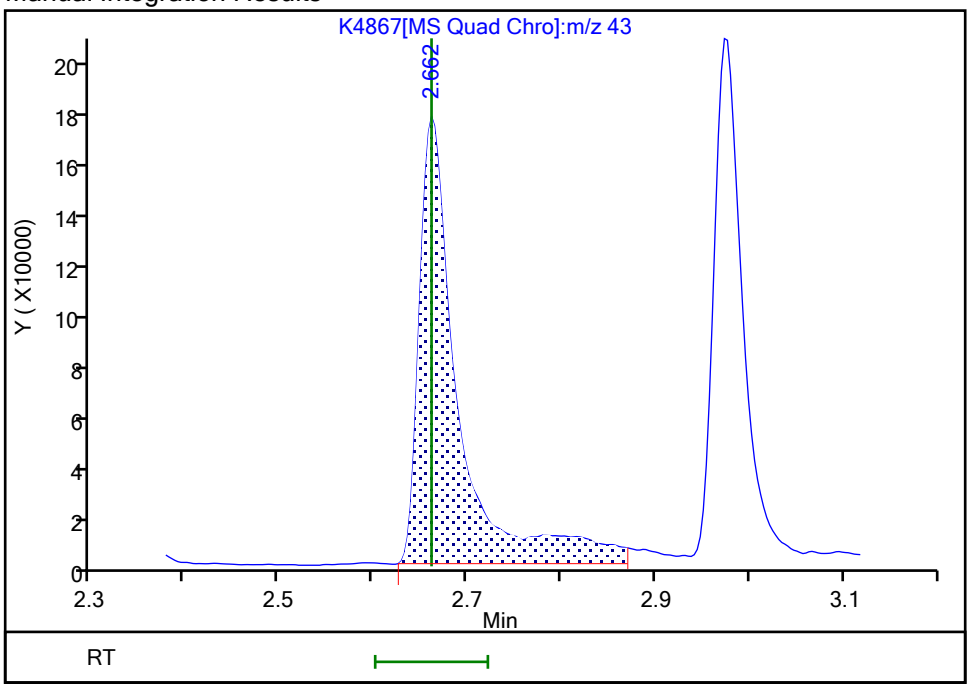
Processing Integration Results

RT: 2.66
Area: 452405
Amount: 114.2728
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 519475
Amount: 124.6142
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:10:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

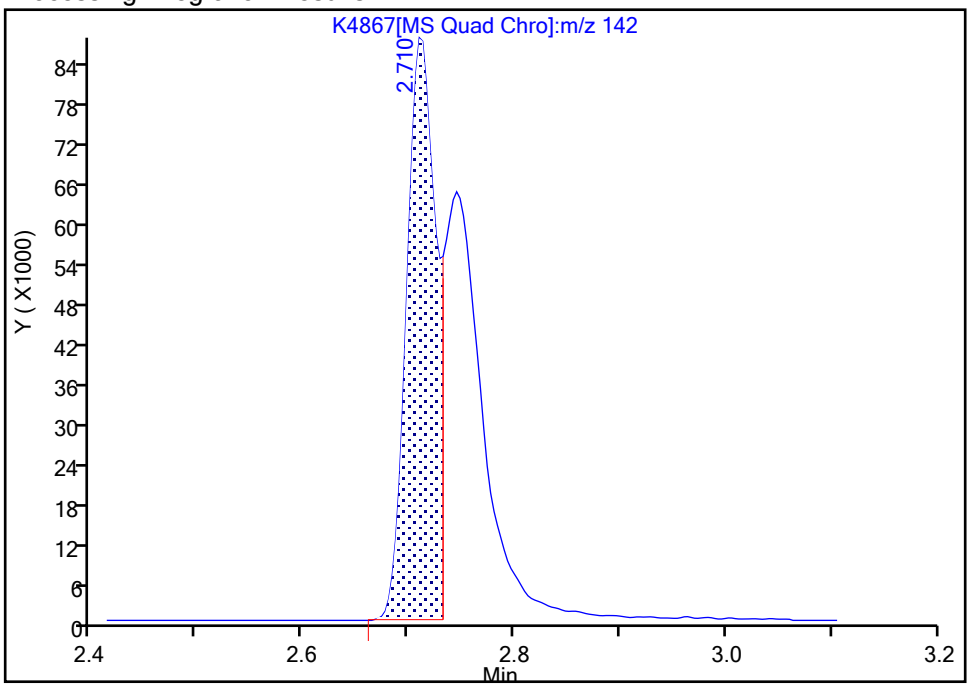
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4867.D
Injection Date: 17-Sep-2024 17:08:02 Instrument ID: HP5977K
Lims ID: ICIS 5
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

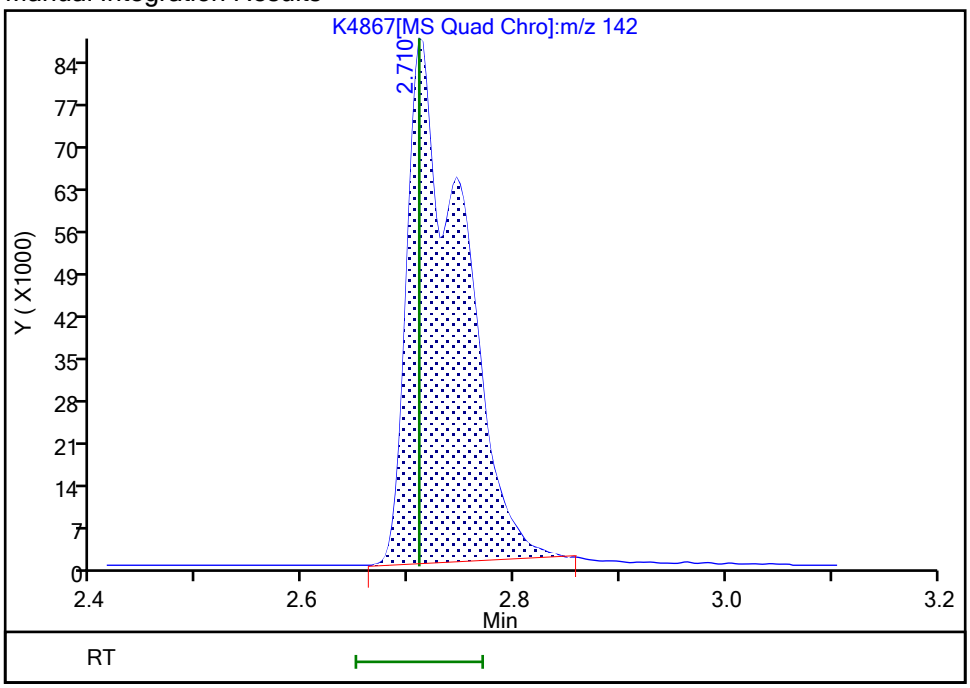
Processing Integration Results

RT: 2.71
Area: 172953
Amount: 16.985793
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 318588
Amount: 25.439358
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:10:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

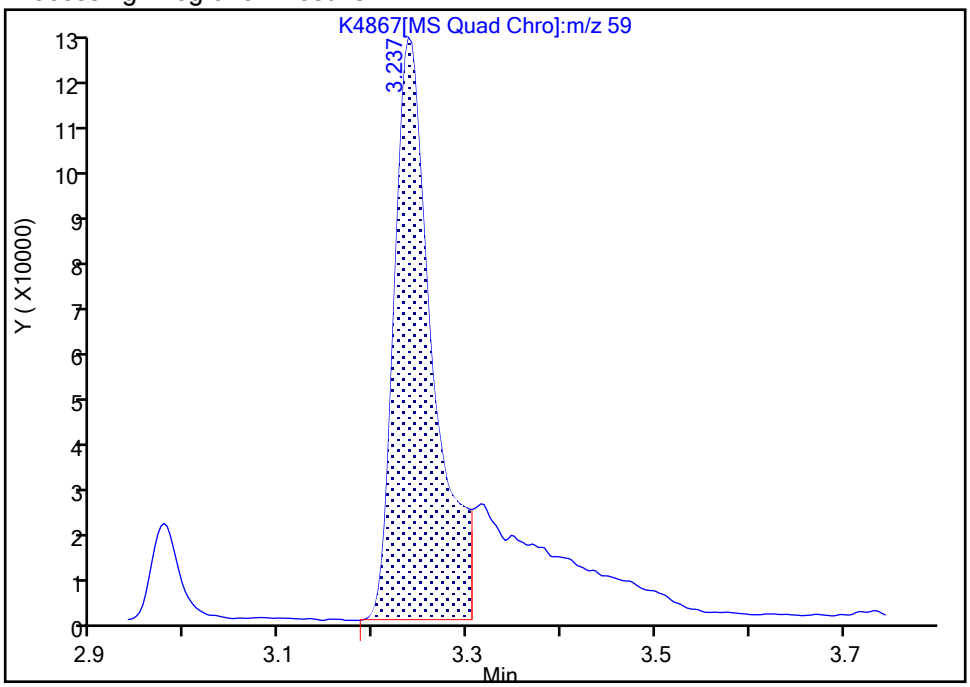
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4867.D
Injection Date: 17-Sep-2024 17:08:02 Instrument ID: HP5977K
Lims ID: ICIS 5
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

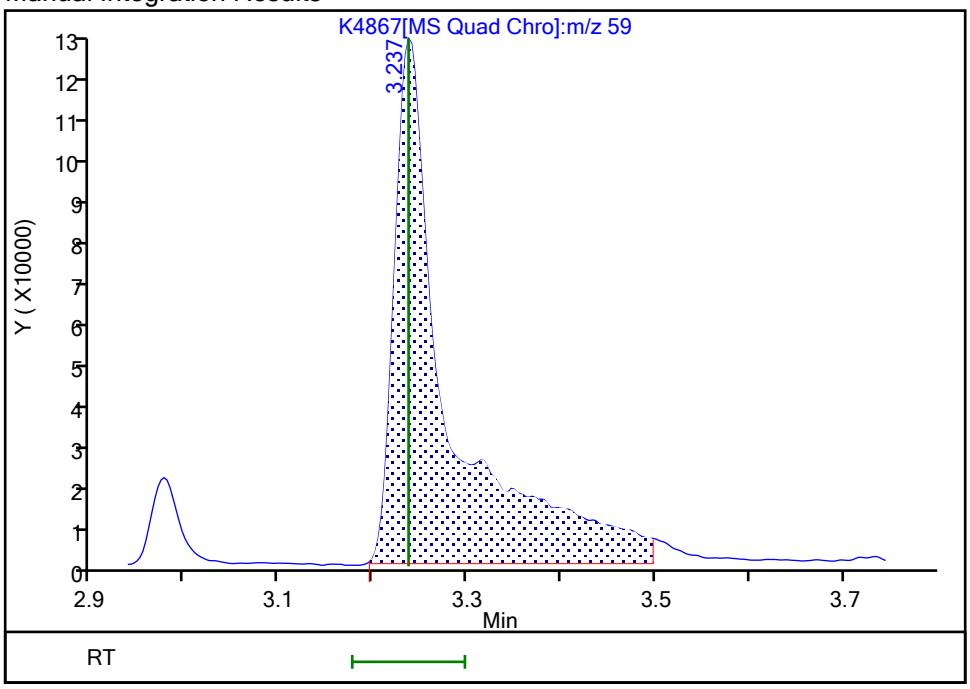
Processing Integration Results

RT: 3.24
Area: 342308
Amount: 193.6162
Amount Units: ug/L



Manual Integration Results

RT: 3.24
Area: 490220
Amount: 240.4265
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:11:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4868.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Sep-2024 17:30:37 ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0120078-019
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:04:06 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 10:12:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.343	0.000	99	185357	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.330	-0.003	89	701757	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	368097	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.742	0.000	92	239344	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.047	0.000	98	287780	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	6.854	6.858	-0.004	94	958182	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	272968	25.0	25.2	
11 Dichlorodifluoromethane	85	1.182	1.182	0.000	99	702203	50.0	56.8	
13 Chloromethane	50	1.356	1.353	0.003	99	669391	50.0	48.4	
14 Vinyl chloride	62	1.440	1.443	-0.003	98	552546	50.0	53.3	
151 Butadiene	54	1.472	1.472	0.000	88	552365	50.0	55.0	
15 Bromomethane	94	1.752	1.748	0.004	92	334575	50.0	47.4	
16 Chloroethane	64	1.848	1.845	0.003	99	364059	50.0	53.1	
18 Dichlorofluoromethane	67	2.060	2.057	0.003	97	886924	50.0	49.6	
17 Trichlorofluoromethane	101	2.076	2.076	0.000	97	768457	50.0	55.2	M
19 Ethyl ether	59	2.353	2.353	0.000	93	392708	50.0	49.9	
21 Acrolein	56	2.501	2.504	-0.003	99	334509	250.0	245.0	
22 1,1-Dichloroethene	96	2.562	2.562	0.000	95	388631	50.0	48.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.597	2.594	0.003	95	357521	50.0	47.7	
23 Acetone	43	2.658	2.662	-0.004	100	965686	250.0	230.3	
24 Iodomethane	142	2.710	2.710	0.000	99	664861	50.0	52.8	M
25 Carbon disulfide	76	2.758	2.761	-0.003	100	1094409	50.0	55.5	
27 3-Chloro-1-propene	41	2.928	2.928	0.000	87	653762	50.0	53.5	
28 Methyl acetate	43	2.973	2.973	0.000	98	953282	100.0	105.0	
30 Methylene Chloride	84	3.063	3.067	-0.004	98	407777	50.0	49.1	
31 2-Methyl-2-propanol	59	3.234	3.237	-0.003	100	1051251	500.0	512.7	M
33 Methyl tert-butyl ether	73	3.308	3.311	-0.003	98	1281240	50.0	51.1	
32 trans-1,2-Dichloroethene	96	3.311	3.314	-0.003	93	425872	50.0	55.8	
34 Acrylonitrile	53	3.324	3.324	0.000	98	2554793	500.0	471.9	
35 Hexane	57	3.543	3.546	-0.003	91	671720	50.0	61.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.719	3.723	-0.004	97	810382	50.0	52.7	
39 Vinyl acetate	43	3.780	3.780	0.000	98	1992897	100.0	107.3	
42 2,2-Dichloropropane	77	4.253	4.256	-0.003	91	378509	50.0	53.3	
43 cis-1,2-Dichloroethene	96	4.279	4.279	0.000	82	455145	50.0	52.3	
44 2-Butanone (MEK)	43	4.301	4.305	-0.004	100	1661310	250.0	235.3	
47 Chlorobromomethane	128	4.507	4.507	0.000	97	229174	50.0	49.7	
48 Tetrahydrofuran	42	4.543	4.546	-0.004	87	429805	100.0	91.8	
50 Chloroform	83	4.591	4.591	0.000	96	765849	50.0	49.3	
51 1,1,1-Trichloroethane	97	4.723	4.723	0.000	98	686710	50.0	49.7	
52 Cyclohexane	56	4.755	4.755	0.000	93	843721	50.0	49.9	
53 Carbon tetrachloride	117	4.870	4.874	-0.004	97	563798	50.0	52.6	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	93	602706	50.0	57.2	
56 Isobutyl alcohol	43	5.070	5.073	-0.003	95	1030895	1250.0	1419.5	
55 Benzene	78	5.073	5.073	0.000	97	1652284	50.0	53.1	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	97	674841	50.0	50.1	
59 n-Heptane	43	5.298	5.298	0.000	92	548254	50.0	59.4	
60 Trichloroethene	95	5.690	5.690	0.000	96	447886	50.0	53.2	
62 Methylcyclohexane	83	5.835	5.835	0.000	95	749534	50.0	50.1	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	92	446213	50.0	53.1	
65 Dibromomethane	93	6.038	6.041	-0.003	96	287700	50.0	50.3	
66 1,4-Dioxane	88	6.054	6.057	-0.003	98	145269	1000.0	1107.1	
67 Dichlorobromomethane	83	6.195	6.198	-0.003	98	537923	50.0	54.2	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	92	360969	50.0	52.3	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	92	661279	50.0	54.5	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	96	3512036	250.0	249.1	
73 Toluene	92	6.922	6.922	0.000	98	1069084	50.0	54.5	
75 trans-1,3-Dichloropropene	75	7.176	7.179	-0.003	97	599878	50.0	55.3	
77 Ethyl methacrylate	69	7.247	7.247	0.000	90	624962	50.0	55.1	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	94	323717	50.0	50.8	
79 Tetrachloroethene	166	7.465	7.465	0.000	95	481471	50.0	56.6	
80 1,3-Dichloropropane	76	7.523	7.526	-0.003	95	675226	50.0	50.0	
81 2-Hexanone	43	7.597	7.600	-0.003	95	2692397	250.0	254.2	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	419477	50.0	56.1	
83 Ethylene Dibromide	107	7.864	7.864	0.000	98	431709	50.0	51.6	
86 Chlorobenzene	112	8.356	8.359	-0.003	94	1195897	50.0	53.7	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	92	395585	50.0	57.1	
88 Ethylbenzene	91	8.459	8.459	0.000	99	2072713	50.0	55.6	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	800767	50.0	55.5	
91 o-Xylene	106	9.005	9.005	0.000	97	781705	50.0	54.7	
92 Styrene	104	9.028	9.028	0.000	95	1297468	50.0	55.4	
93 Bromoform	173	9.253	9.253	0.000	95	277194	50.0	60.1	
95 Isopropylbenzene	105	9.394	9.394	0.000	96	1897548	50.0	55.8	
97 Bromobenzene	156	9.726	9.726	0.000	96	500979	50.0	53.3	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	96	621472	50.0	49.1	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	87	219427	50.0	50.0	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.812	0.000	89	245726	50.0	53.6	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	2440994	50.0	56.9	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	491840	50.0	54.7	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	95	1710014	50.0	55.6	
102 4-Chlorotoluene	91	10.031	10.031	0.000	98	1644936	50.0	53.6	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	395067	50.0	57.4	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	1747043	50.0	55.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	2190627	50.0	56.5	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	98	952388	50.0	54.1	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	1909387	50.0	56.2	
113 1,4-Dichlorobenzene	146	10.745	10.742	0.003	95	964328	50.0	53.1	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	1633767	50.0	57.6	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	914416	50.0	51.7	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	89	141713	50.0	56.8	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	94	582956	50.0	52.8	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	96	229747	50.0	51.0	
121 Naphthalene	128	12.706	12.706	0.000	97	2072070	50.0	50.0	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	95	573433	50.0	51.5	
S 123 1,3-Dichloropropene, Total	1				0			109.8	
S 126 Xylenes, Total	1				0			110.3	
S 124 1,2-Dichloroethene, Total	1				0			108.1	
S 125 Total BTEX	1				0			273.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00640	Amount Added: 25.00	Units: uL	
8260 CORP mix_00258	Amount Added: 25.00	Units: uL	
K WATER IS/SS_00014	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 18-Sep-2024 11:04:07 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4868.D

Injection Date: 17-Sep-2024 17:30:37 Instrument ID: HP5977K Operator ID: LH

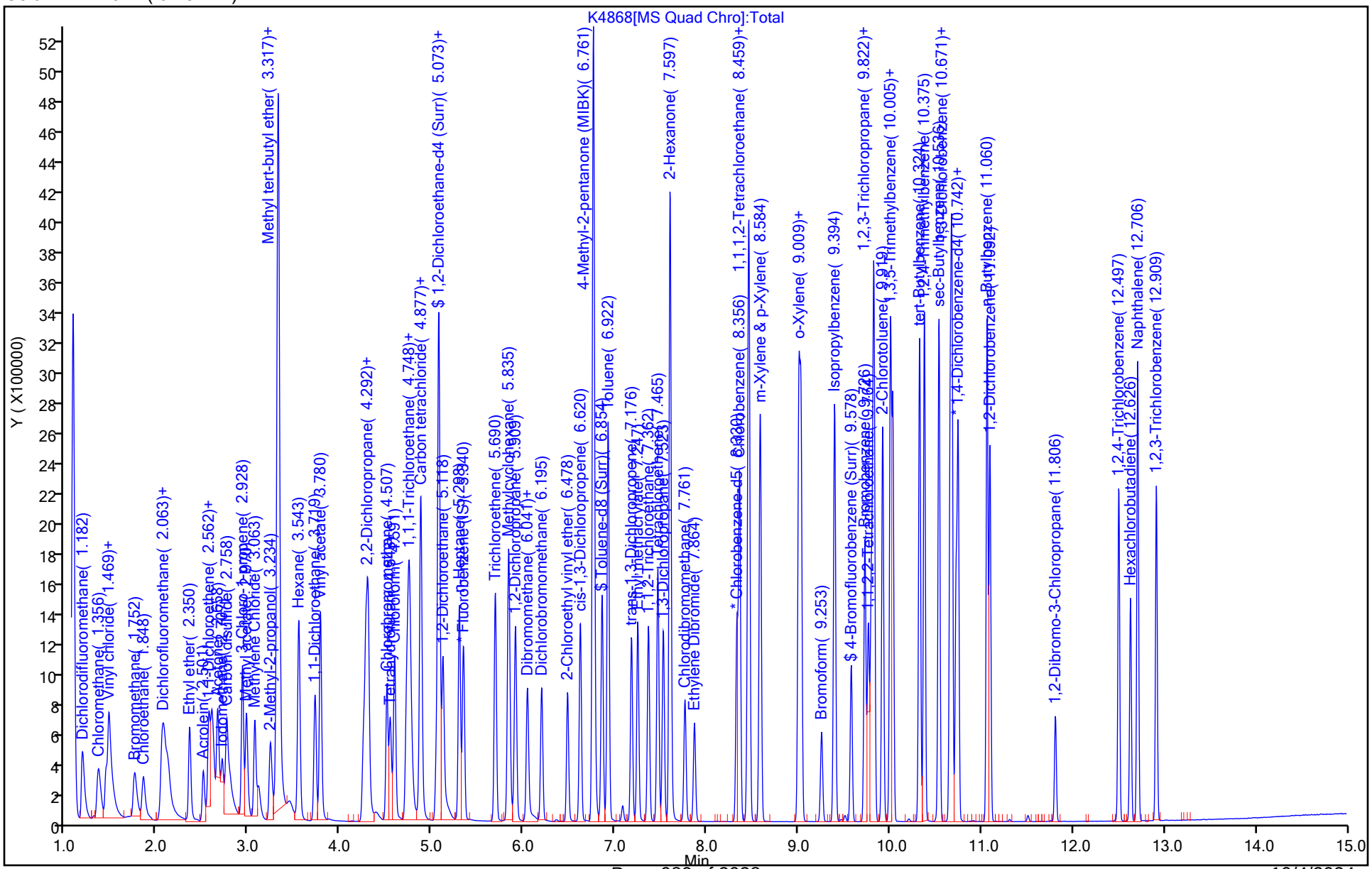
Lims ID: IC 6 Worklist Smp#: 19

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: K-8260 WATER Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo

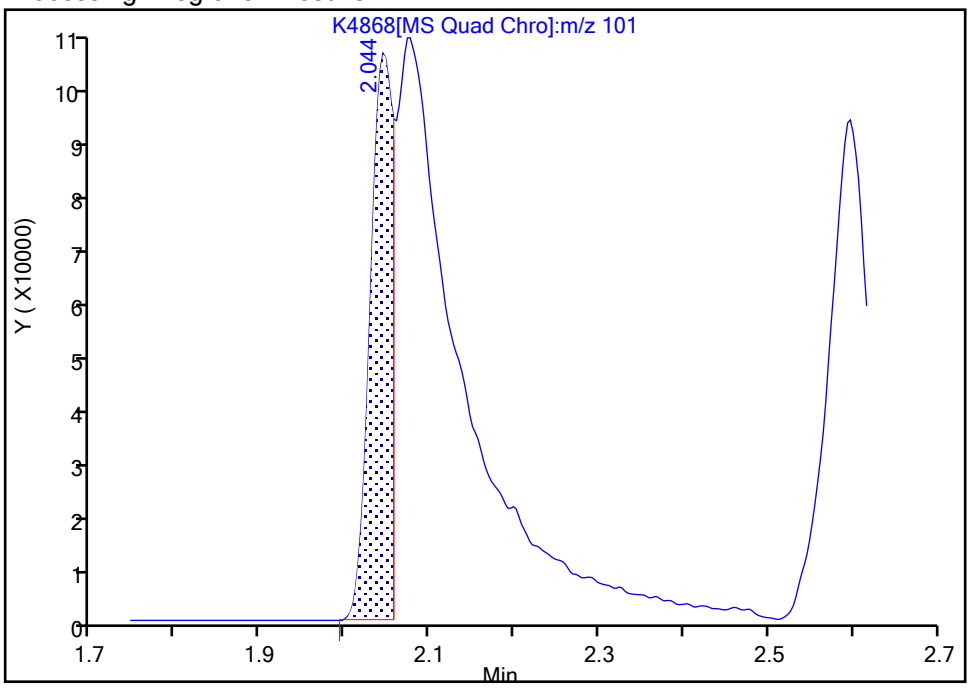
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4868.D
Injection Date: 17-Sep-2024 17:30:37 Instrument ID: HP5977K
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

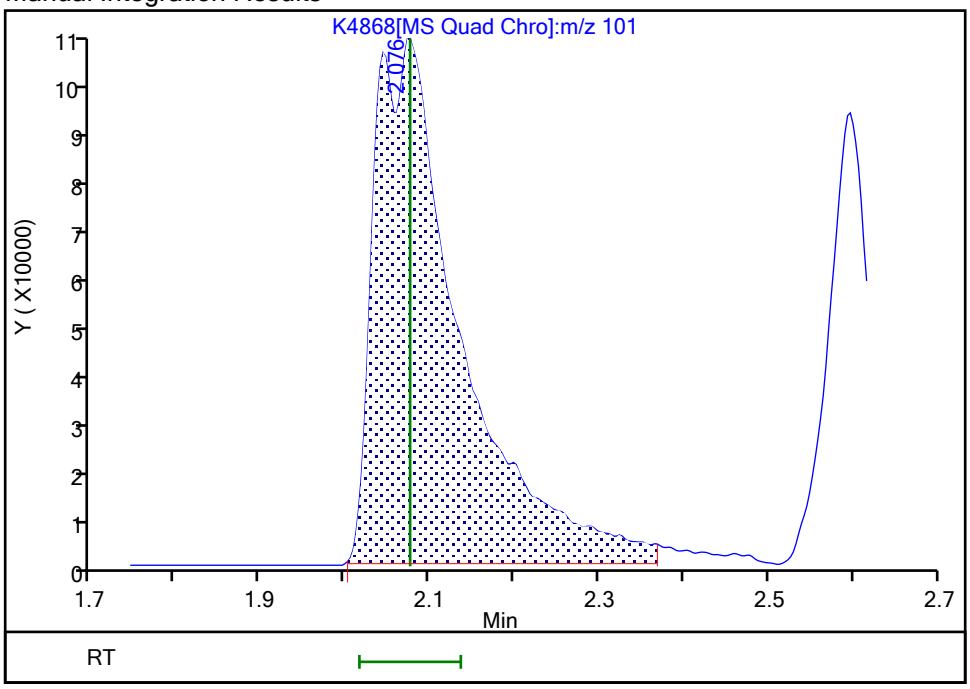
Processing Integration Results

RT: 2.04
Area: 193592
Amount: 15.502035
Amount Units: ug/L



Manual Integration Results

RT: 2.08
Area: 768457
Amount: 55.184116
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:12:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

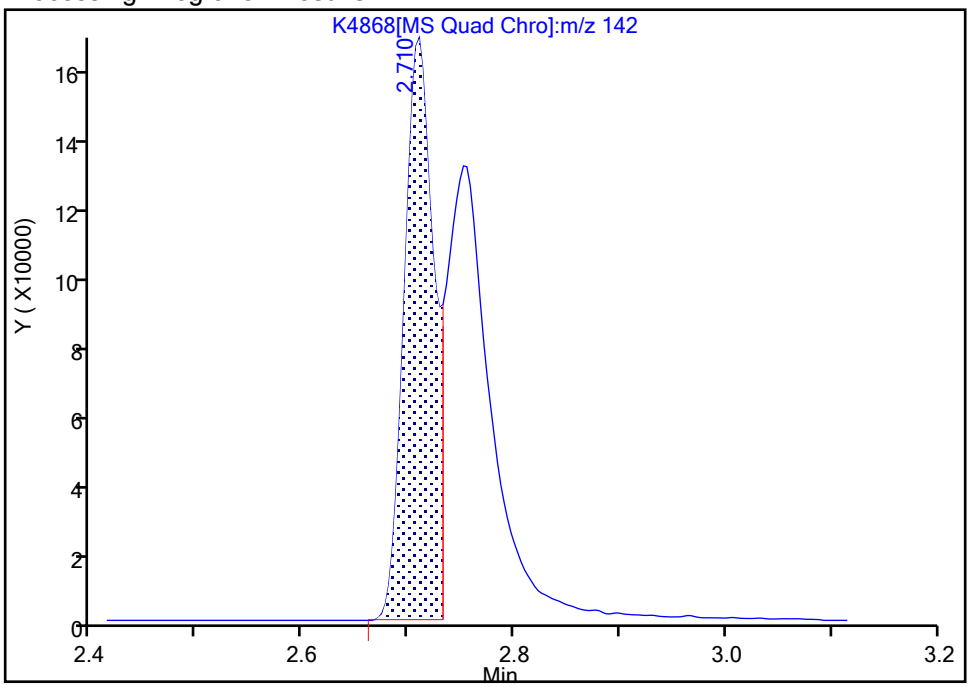
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4868.D
Injection Date: 17-Sep-2024 17:30:37 Instrument ID: HP5977K
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

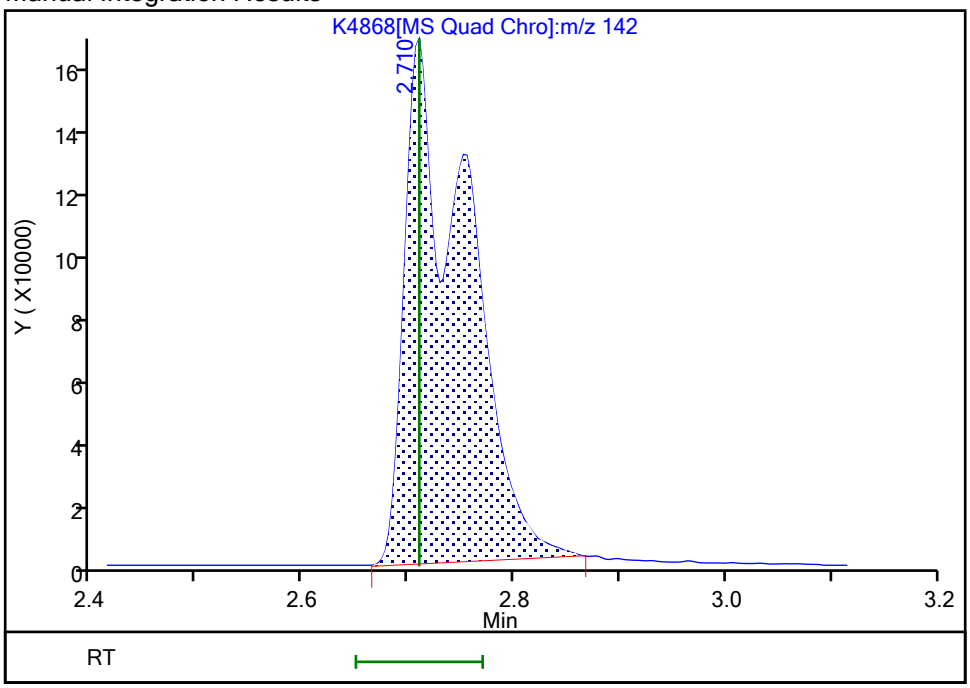
Processing Integration Results

RT: 2.71
Area: 326917
Amount: 29.794571
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 664861
Amount: 52.789494
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:12:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

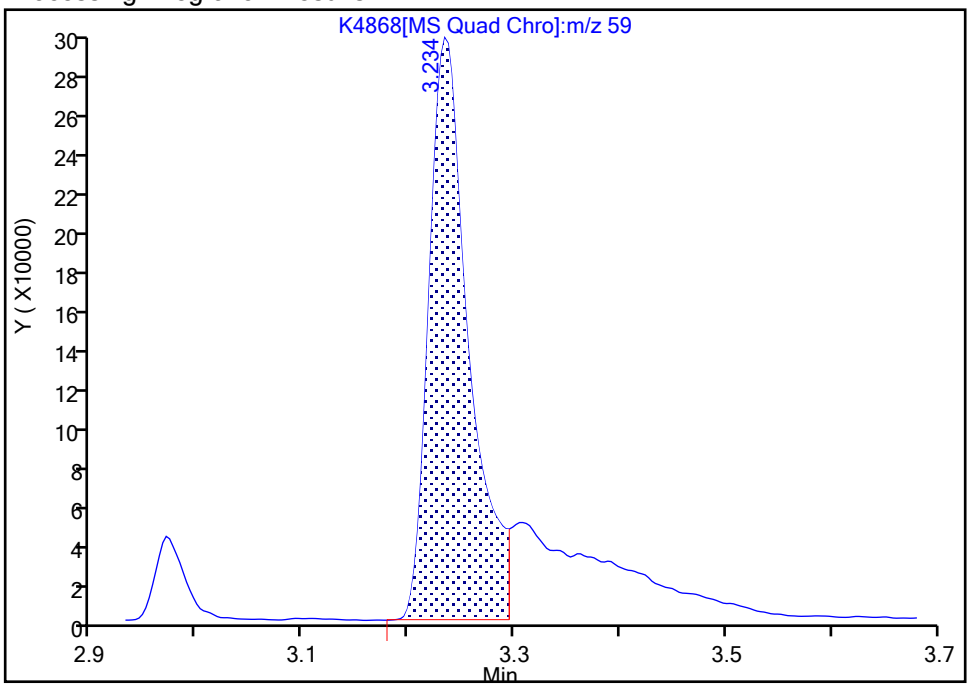
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4868.D
Injection Date: 17-Sep-2024 17:30:37 Instrument ID: HP5977K
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

Processing Integration Results

RT: 3.23
Area: 770330
Amount: 415.8570
Amount Units: ug/L



Manual Integration Results

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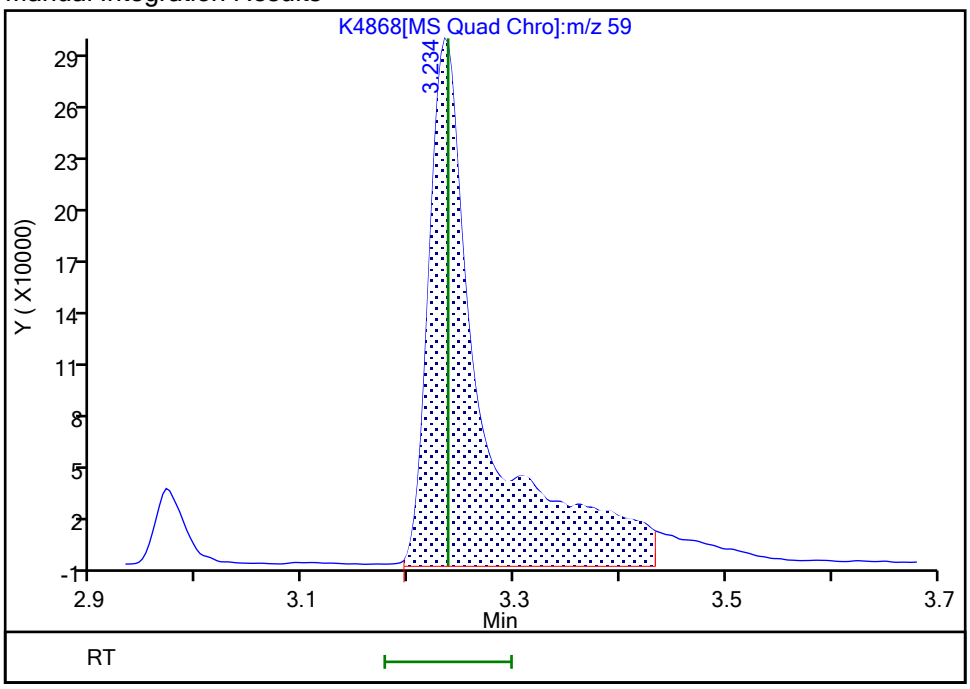
Amount: 512.6697
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:12:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Sep-2024 17:53:05 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0120078-020
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:04:20 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 10:15:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.343	-0.003	98	177825	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.330	-0.003	86	714780	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	371485	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.742	-0.003	92	242993	25.0	26.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.047	-0.003	99	289832	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	6.857	6.858	-0.001	94	957375	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	278334	25.0	25.3	
11 Dichlorodifluoromethane	85	1.176	1.182	-0.006	99	1356118	100.0	114.3	
13 Chloromethane	50	1.346	1.353	-0.007	99	1316430	100.0	99.3	
14 Vinyl chloride	62	1.433	1.443	-0.010	98	1085260	100.0	109.2	
151 Butadiene	54	1.465	1.472	-0.007	88	1119762	100.0	116.3	
15 Bromomethane	94	1.742	1.748	-0.006	92	679976	100.0	100.3	
16 Chloroethane	64	1.835	1.845	-0.010	99	708012	100.0	107.7	
18 Dichlorofluoromethane	67	2.050	2.057	-0.007	97	1765312	100.0	102.8	
17 Trichlorofluoromethane	101	2.070	2.076	-0.006	97	1536444	100.0	115.0	
19 Ethyl ether	59	2.346	2.353	-0.007	94	777907	100.0	103.1	
21 Acrolein	56	2.494	2.504	-0.010	99	688340	500.0	525.5	M
22 1,1-Dichloroethene	96	2.559	2.562	-0.003	95	792345	100.0	103.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.587	2.594	-0.007	93	756922	100.0	104.4	
23 Acetone	43	2.652	2.662	-0.010	100	2043141	500.0	508.0	M
24 Iodomethane	142	2.706	2.710	-0.004	100	1336088	100.0	110.6	M
25 Carbon disulfide	76	2.755	2.761	-0.006	100	2170195	100.0	114.6	
27 3-Chloro-1-propene	41	2.925	2.928	-0.003	87	1320781	100.0	112.8	
28 Methyl acetate	43	2.967	2.973	-0.006	98	1795174	200.0	206.2	
30 Methylene Chloride	84	3.060	3.067	-0.007	98	811854	100.0	102.2	
31 2-Methyl-2-propanol	59	3.227	3.237	-0.010	99	2178700	1000.0	1107.5	M
33 Methyl tert-butyl ether	73	3.304	3.311	-0.007	99	2503273	100.0	104.1	
32 trans-1,2-Dichloroethene	96	3.308	3.314	-0.006	95	847854	100.0	115.8	
34 Acrylonitrile	53	3.321	3.324	-0.003	98	5361257	1000.0	1032.2	M
35 Hexane	57	3.542	3.546	-0.004	91	1347269	100.0	129.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.719	3.723	-0.004	97	1619347	100.0	109.9	
39 Vinyl acetate	43	3.777	3.780	-0.003	97	4057661	200.0	227.7	
42 2,2-Dichloropropane	77	4.250	4.256	-0.006	92	744097	100.0	109.2	
43 cis-1,2-Dichloroethene	96	4.276	4.279	-0.003	83	912061	100.0	109.3	
44 2-Butanone (MEK)	43	4.298	4.305	-0.007	100	3513515	500.0	518.7	M
47 Chlorobromomethane	128	4.504	4.507	-0.003	97	460439	100.0	104.1	
48 Tetrahydrofuran	42	4.539	4.546	-0.007	89	885141	200.0	197.0	M
50 Chloroform	83	4.587	4.591	-0.004	95	1530332	100.0	102.6	
51 1,1,1-Trichloroethane	97	4.719	4.723	-0.004	98	1375388	100.0	103.2	
52 Cyclohexane	56	4.755	4.755	0.000	93	1689550	100.0	103.5	
53 Carbon tetrachloride	117	4.870	4.874	-0.004	98	1176669	100.0	113.7	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	94	1192175	100.0	117.9	
56 Isobutyl alcohol	43	5.070	5.073	-0.003	96	2156199	2500.0	3094.7	
55 Benzene	78	5.073	5.073	0.000	98	3265538	100.0	109.5	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	98	1363190	100.0	105.5	
59 n-Heptane	43	5.295	5.298	-0.003	92	1101954	100.0	124.5	
60 Trichloroethene	95	5.687	5.690	-0.003	96	903732	100.0	111.9	
62 Methylcyclohexane	83	5.835	5.835	0.000	94	1487123	100.0	102.9	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	93	897357	100.0	111.2	
65 Dibromomethane	93	6.038	6.041	-0.003	96	571366	100.0	104.2	
66 1,4-Dioxane	88	6.054	6.057	-0.003	97	273804	2000.0	2048.6	
67 Dichlorobromomethane	83	6.195	6.198	-0.003	98	1095107	100.0	115.1	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	93	729145	100.0	110.2	
71 cis-1,3-Dichloropropene	75	6.616	6.620	-0.004	92	1336661	100.0	114.8	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	95	6919743	500.0	481.9	
73 Toluene	92	6.922	6.922	0.000	98	2135763	100.0	107.0	
75 trans-1,3-Dichloropropene	75	7.176	7.179	-0.003	97	1244317	100.0	112.6	
77 Ethyl methacrylate	69	7.247	7.247	-0.001	90	1273964	100.0	110.3	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	94	646737	100.0	99.7	
79 Tetrachloroethene	166	7.465	7.465	0.000	98	941288	100.0	108.6	
80 1,3-Dichloropropane	76	7.523	7.526	-0.003	94	1356891	100.0	98.6	
81 2-Hexanone	43	7.597	7.600	-0.003	95	5335063	500.0	494.6	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	894759	100.0	117.5	
83 Ethylene Dibromide	107	7.864	7.864	0.000	98	876061	100.0	102.7	
86 Chlorobenzene	112	8.359	8.359	0.000	94	2372044	100.0	104.5	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	93	837890	100.0	118.7	
88 Ethylbenzene	91	8.459	8.459	0.000	99	4078153	100.0	107.4	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	1612210	100.0	109.8	
91 o-Xylene	106	9.005	9.005	0.000	97	1560102	100.0	107.3	
92 Styrene	104	9.028	9.028	0.000	95	2581494	100.0	108.2	
93 Bromoform	173	9.253	9.253	0.000	95	609048	100.0	129.7	
95 Isopropylbenzene	105	9.394	9.394	0.000	96	3782170	100.0	110.3	
97 Bromobenzene	156	9.726	9.726	0.000	95	1002578	100.0	105.6	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	96	1252426	100.0	98.1	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	86	438984	100.0	99.0	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.812	0.000	93	509582	100.0	110.1	
99 N-Propylbenzene	91	9.825	9.825	0.000	98	4758882	100.0	110.0	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	981418	100.0	108.2	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	94	3376024	100.0	108.8	
102 4-Chlorotoluene	91	10.031	10.031	0.000	98	3251008	100.0	105.0	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	775413	100.0	111.7	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	3476005	100.0	108.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	4298656	100.0	109.8	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	98	1893721	100.0	106.6	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	3761296	100.0	109.6	
113 1,4-Dichlorobenzene	146	10.745	10.742	0.003	94	1903470	100.0	103.8	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	3231245	100.0	112.9	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	1834698	100.0	102.8	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	89	308810	100.0	122.8	
119 1,2,4-Trichlorobenzene	180	12.500	12.501	0.000	94	1175309	100.0	105.5	
120 Hexachlorobutadiene	225	12.629	12.626	0.003	97	451879	100.0	99.2	
121 Naphthalene	128	12.706	12.706	0.000	98	4170542	100.0	99.8	
122 1,2,3-Trichlorobenzene	180	12.912	12.909	0.003	95	1138511	100.0	101.4	
S 123 1,3-Dichloropropene, Total	1				0			227.4	
S 126 Xylenes, Total	1				0			217.0	
S 124 1,2-Dichloroethene, Total	1				0			225.1	
S 125 Total BTEX	1				0			540.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00640	Amount Added: 50.00	Units: uL	
8260 CORP mix_00258	Amount Added: 50.00	Units: uL	
K WATER IS/SS_00014	Amount Added: 5.00	Units: uL	Run Reagent

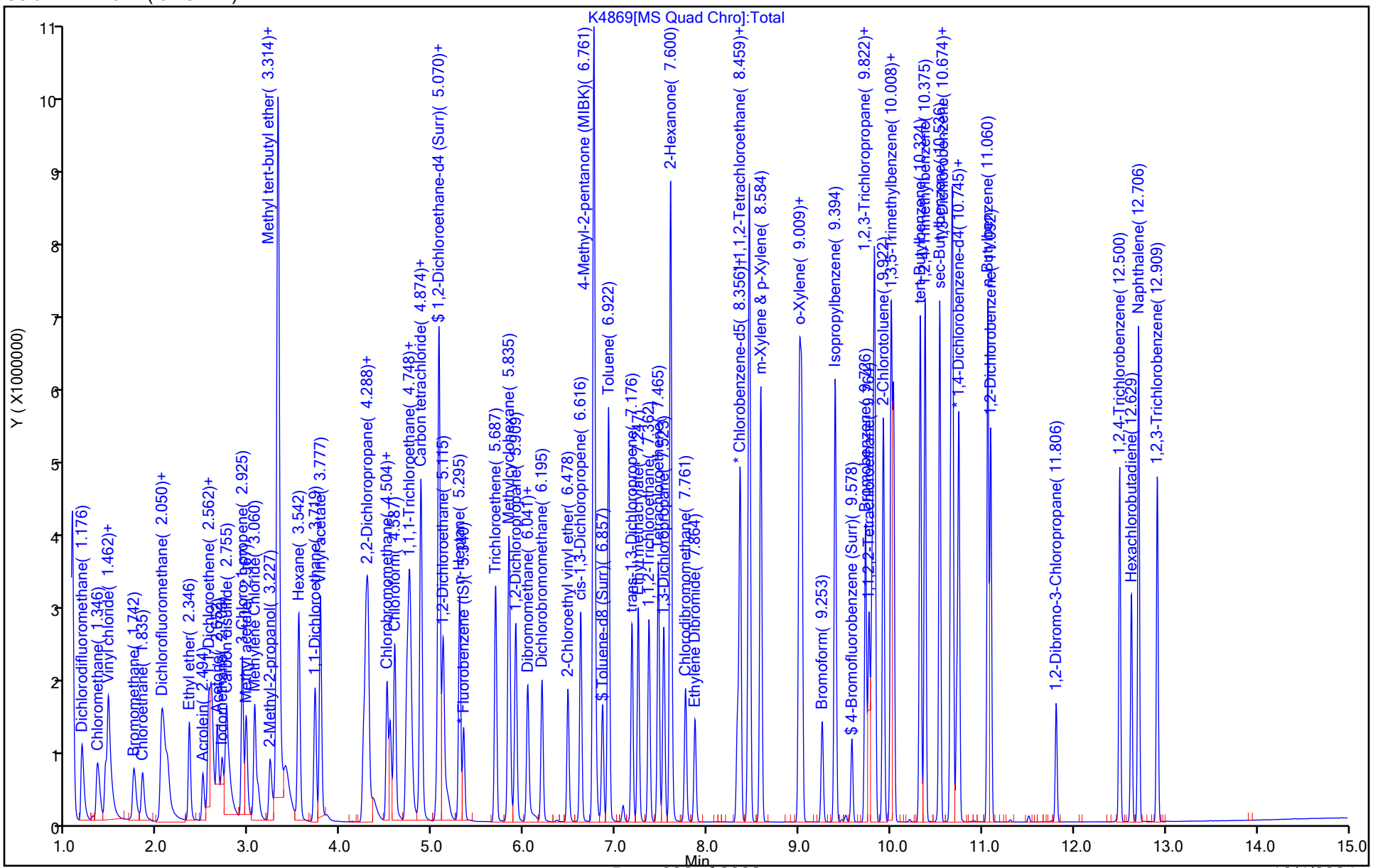
Report Date: 18-Sep-2024 11:04:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D

Injection Date:	17-Sep-2024 17:53:05	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
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Manual Integration/User Assign Peak Report

Eurofins Buffalo

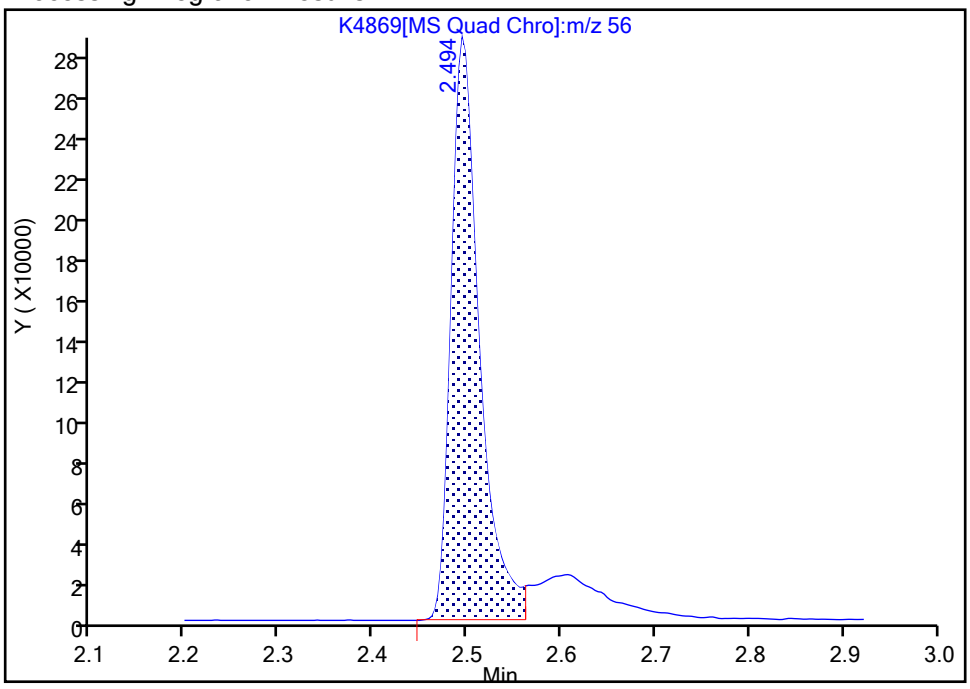
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D
Injection Date: 17-Sep-2024 17:53:05 Instrument ID: HP5977K
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

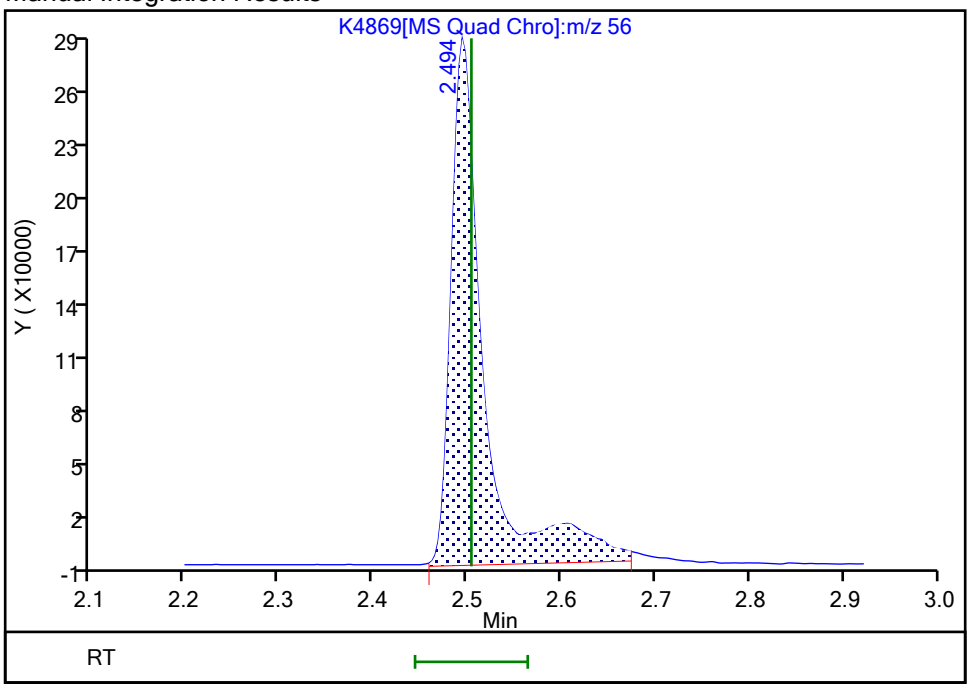
Processing Integration Results

RT: 2.49
Area: 591435
Amount: 459.9873
Amount Units: ug/L



Manual Integration Results

RT: 2.49
Area: 688340
Amount: 525.4544
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:13:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

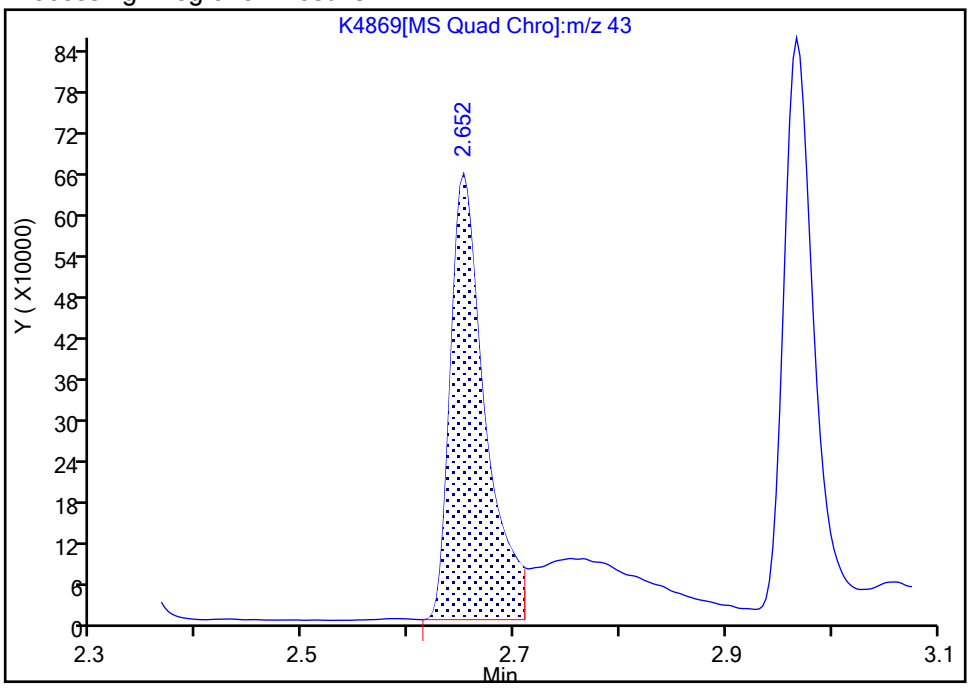
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D
Injection Date: 17-Sep-2024 17:53:05 Instrument ID: HP5977K
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

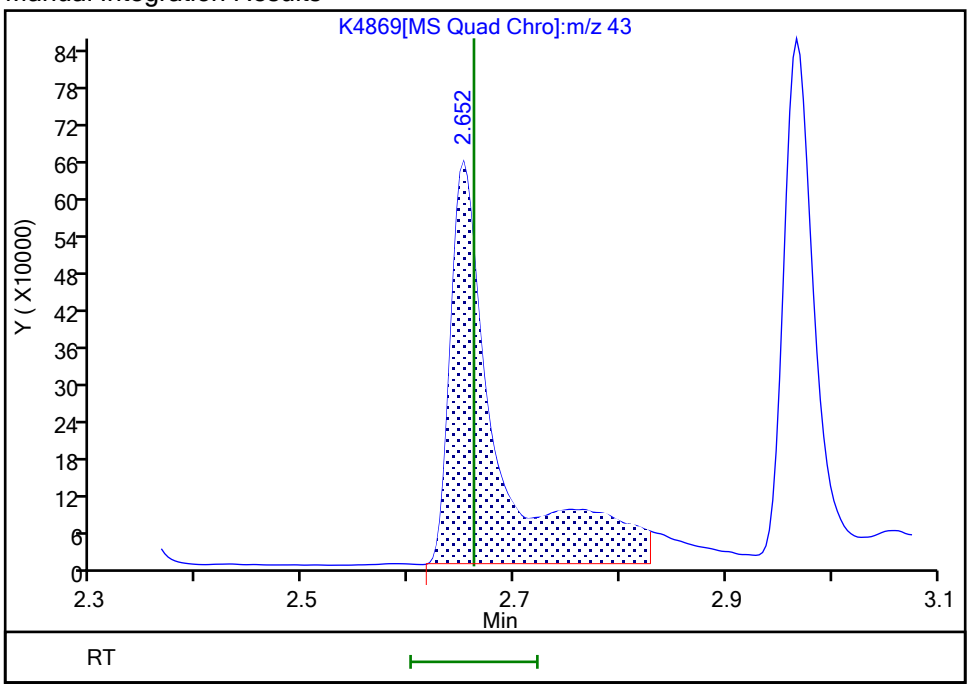
Processing Integration Results

RT: 2.65
Area: 1492784
Amount: 384.3021
Amount Units: ug/L



Manual Integration Results

RT: 2.65
Area: 2043141
Amount: 507.9923
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:13:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

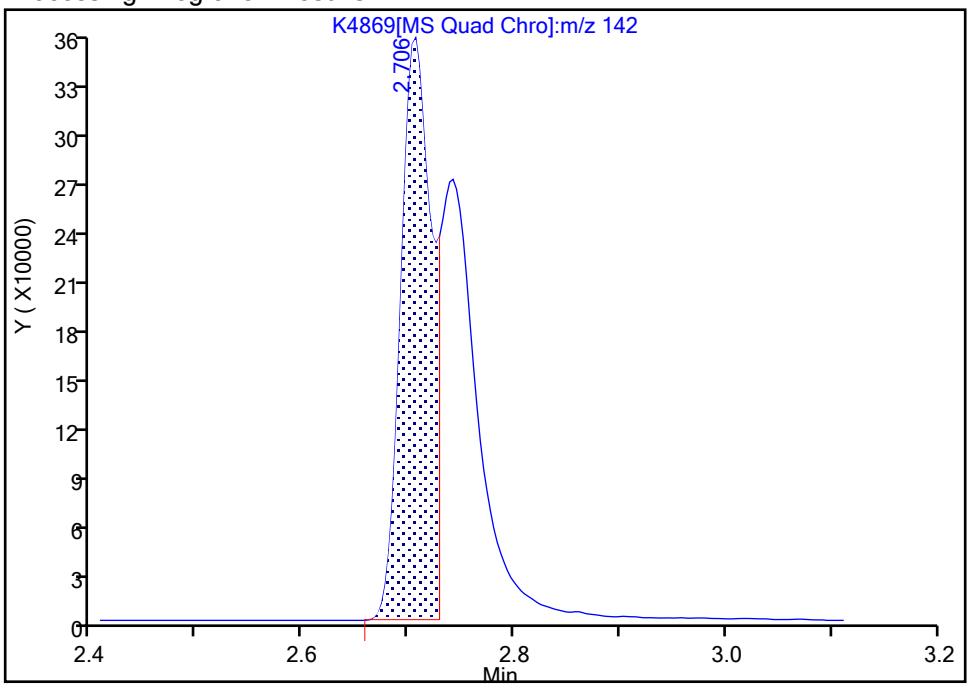
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D
Injection Date: 17-Sep-2024 17:53:05 Instrument ID: HP5977K
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

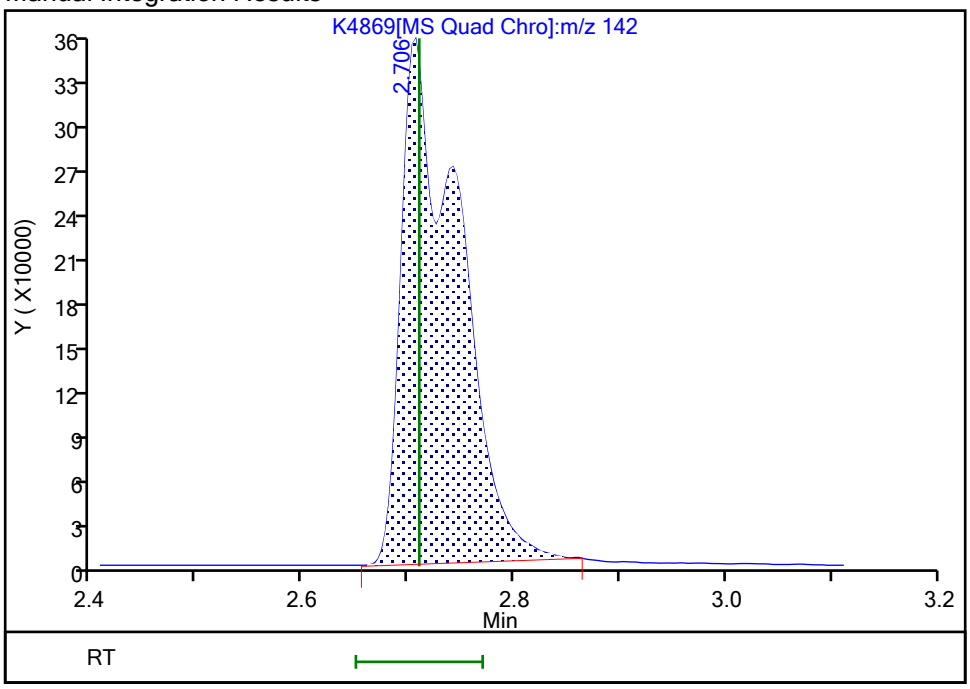
Processing Integration Results

RT: 2.71
Area: 739484
Amount: 65.227291
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 1336088
Amount: 110.5778
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:13:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

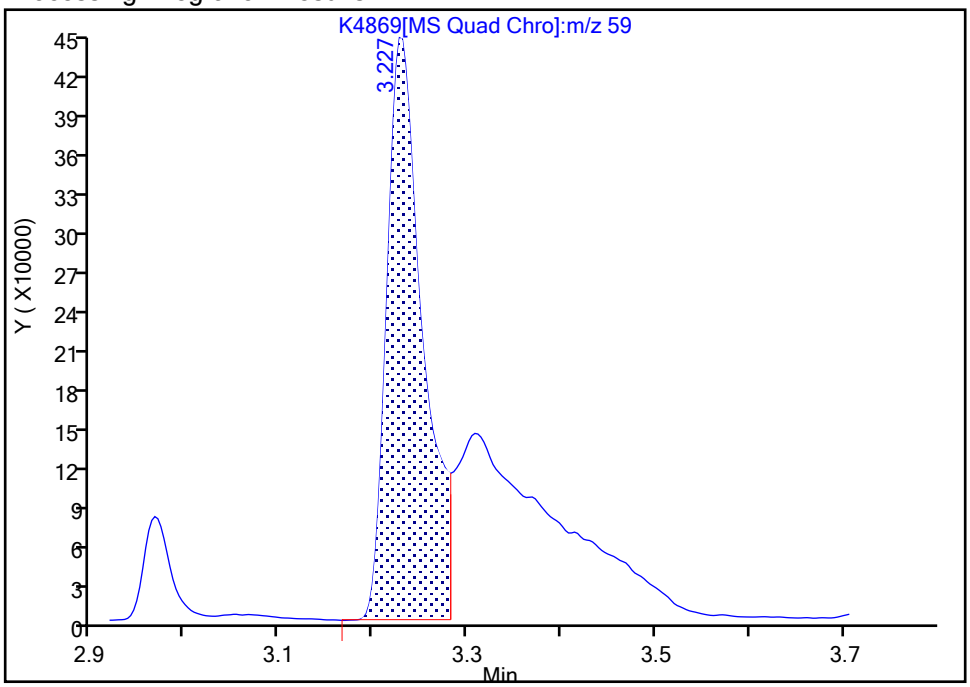
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D
Injection Date: 17-Sep-2024 17:53:05 Instrument ID: HP5977K
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

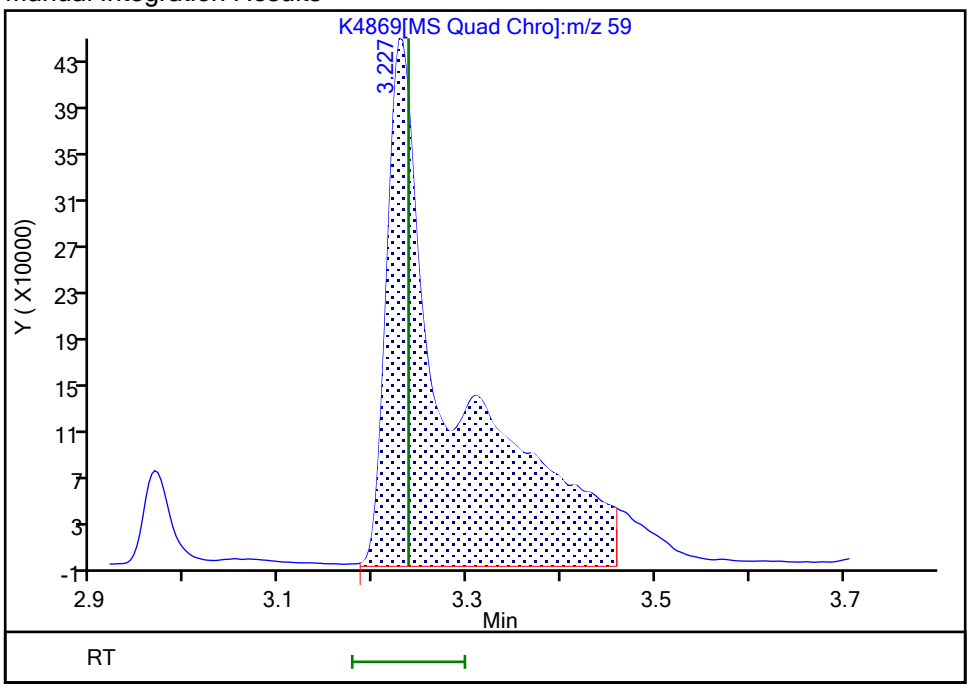
Processing Integration Results

RT: 3.23
Area: 1196918
Amount: 648.9134
Amount Units: ug/L



Manual Integration Results

RT: 3.23
Area: 2178700
Amount: 1107.5028
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:14:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

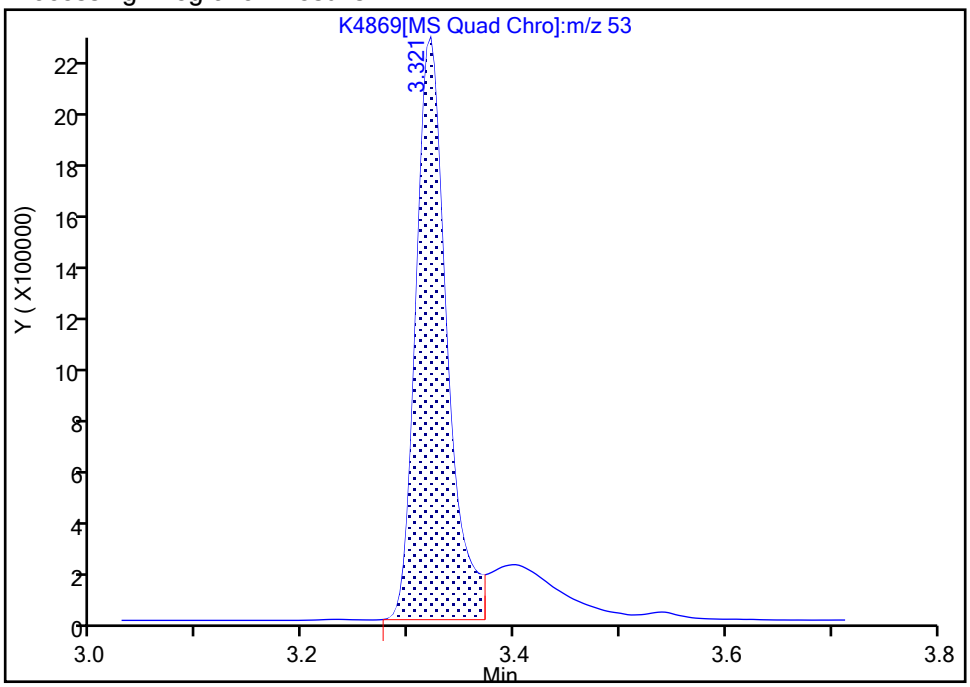
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D
Injection Date: 17-Sep-2024 17:53:05 Instrument ID: HP5977K
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

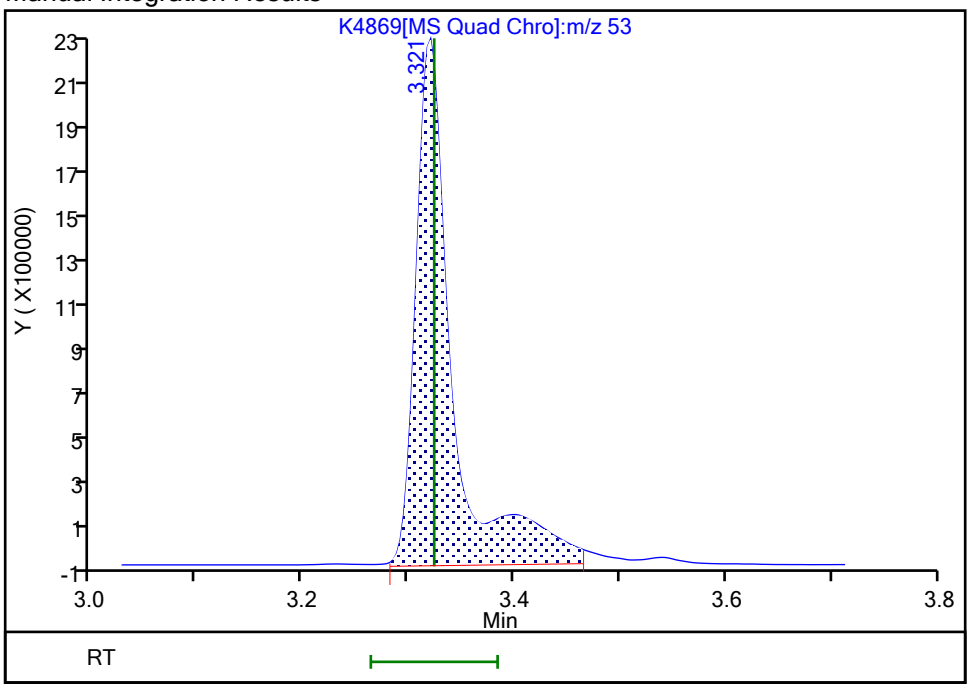
Processing Integration Results

RT: 3.32
Area: 4533817
Amount: 890.6051
Amount Units: ug/L



Manual Integration Results

RT: 3.32
Area: 5361257
Amount: 1032.1730
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:14:21 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

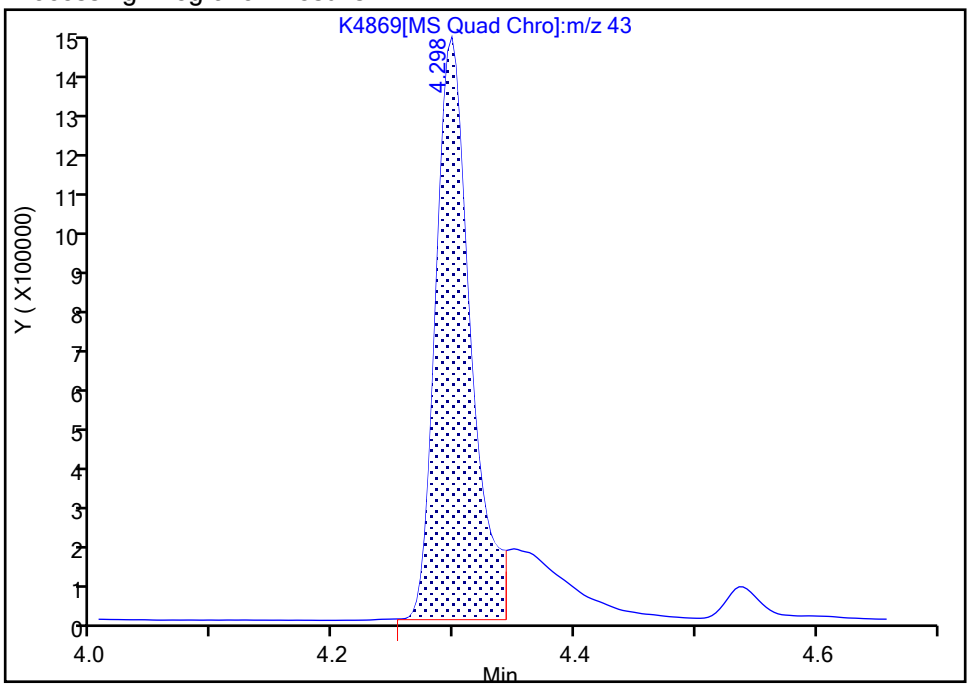
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D
Injection Date: 17-Sep-2024 17:53:05 Instrument ID: HP5977K
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

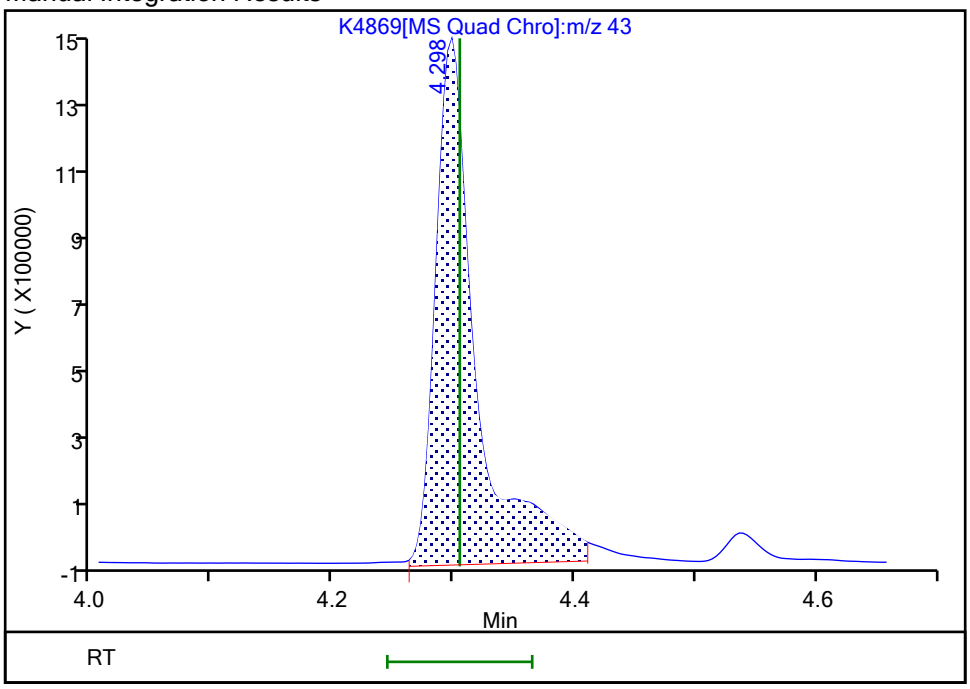
Processing Integration Results

RT: 4.30
Area: 2971750
Amount: 447.6953
Amount Units: ug/L



Manual Integration Results

RT: 4.30
Area: 3513515
Amount: 518.7282
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:14:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

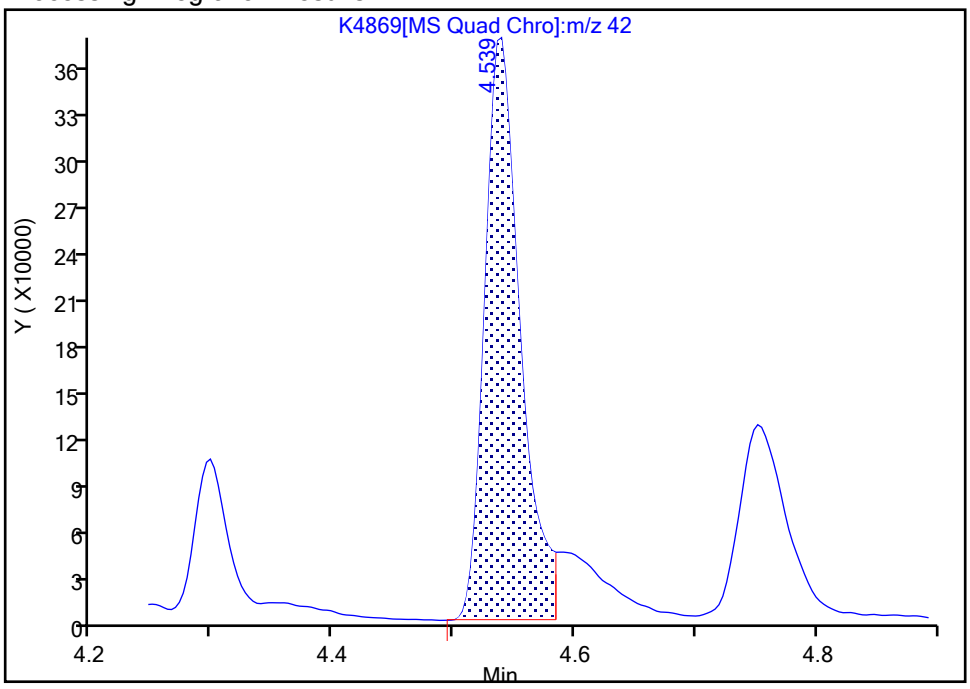
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4869.D
Injection Date: 17-Sep-2024 17:53:05 Instrument ID: HP5977K
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

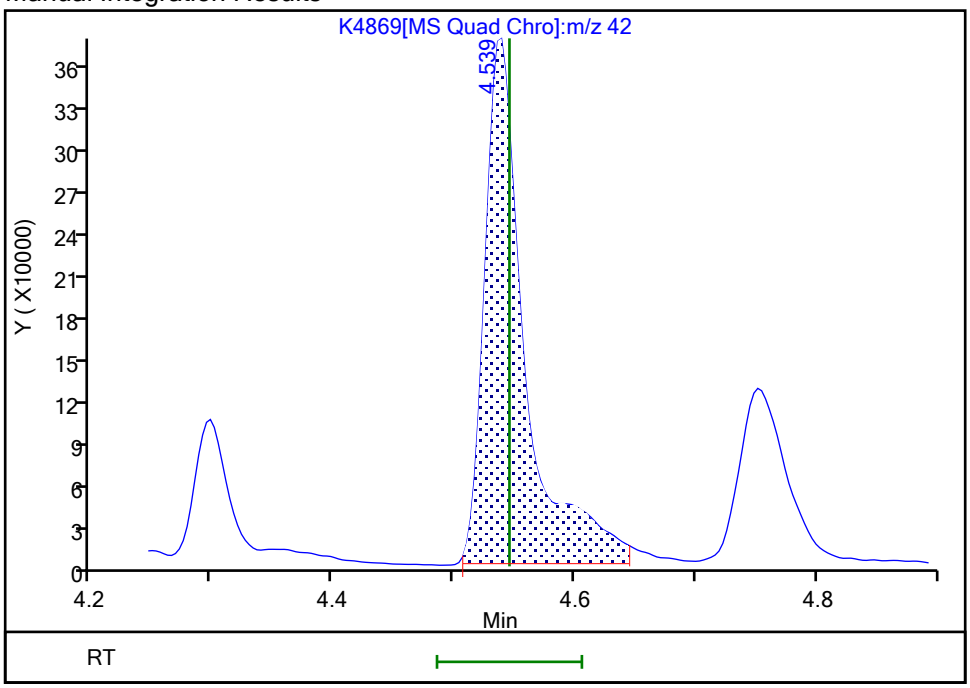
Processing Integration Results

RT: 4.54
Area: 778845
Amount: 176.3345
Amount Units: ug/L



Manual Integration Results

RT: 4.54
Area: 885141
Amount: 197.0138
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:14:53 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

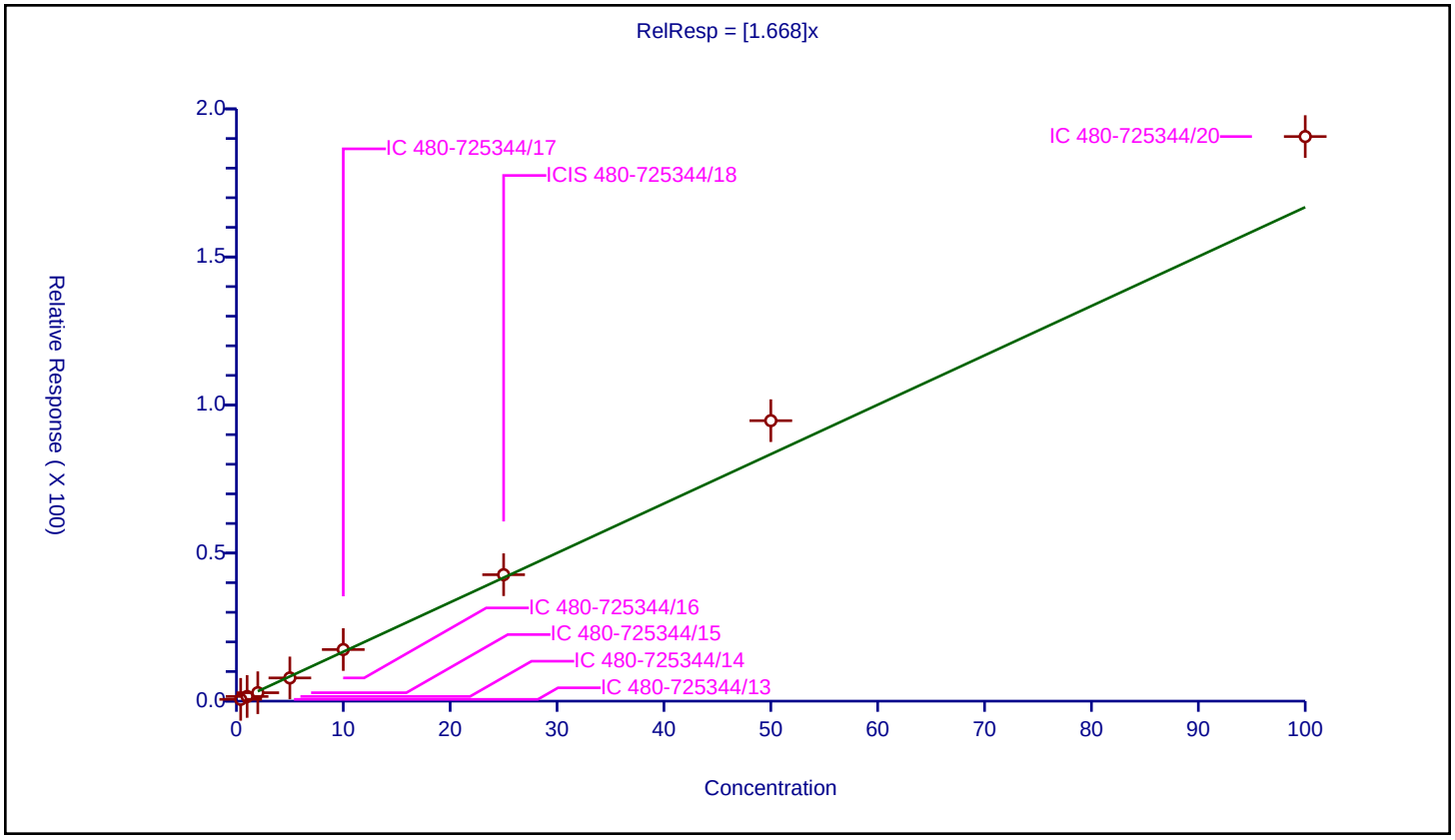
Curve Coefficients

Intercept:	0
Slope:	1.668

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.607311	25.0	171576.0	1.518278	Y
2	IC 480-725344/14	1.0	1.580614	25.0	178728.0	1.580614	Y
3	IC 480-725344/15	2.0	2.850876	25.0	181111.0	1.425438	Y
4	IC 480-725344/16	5.0	7.841112	25.0	173990.0	1.568222	Y
5	IC 480-725344/17	10.0	17.429653	25.0	187356.0	1.742965	Y
6	ICIS 480-725344/18	25.0	42.696815	25.0	184310.0	1.707873	Y
7	IC 480-725344/19	50.0	94.709533	25.0	185357.0	1.894191	Y
8	IC 480-725344/20	100.0	190.653451	25.0	177825.0	1.906535	Y



10/4/2024
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Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

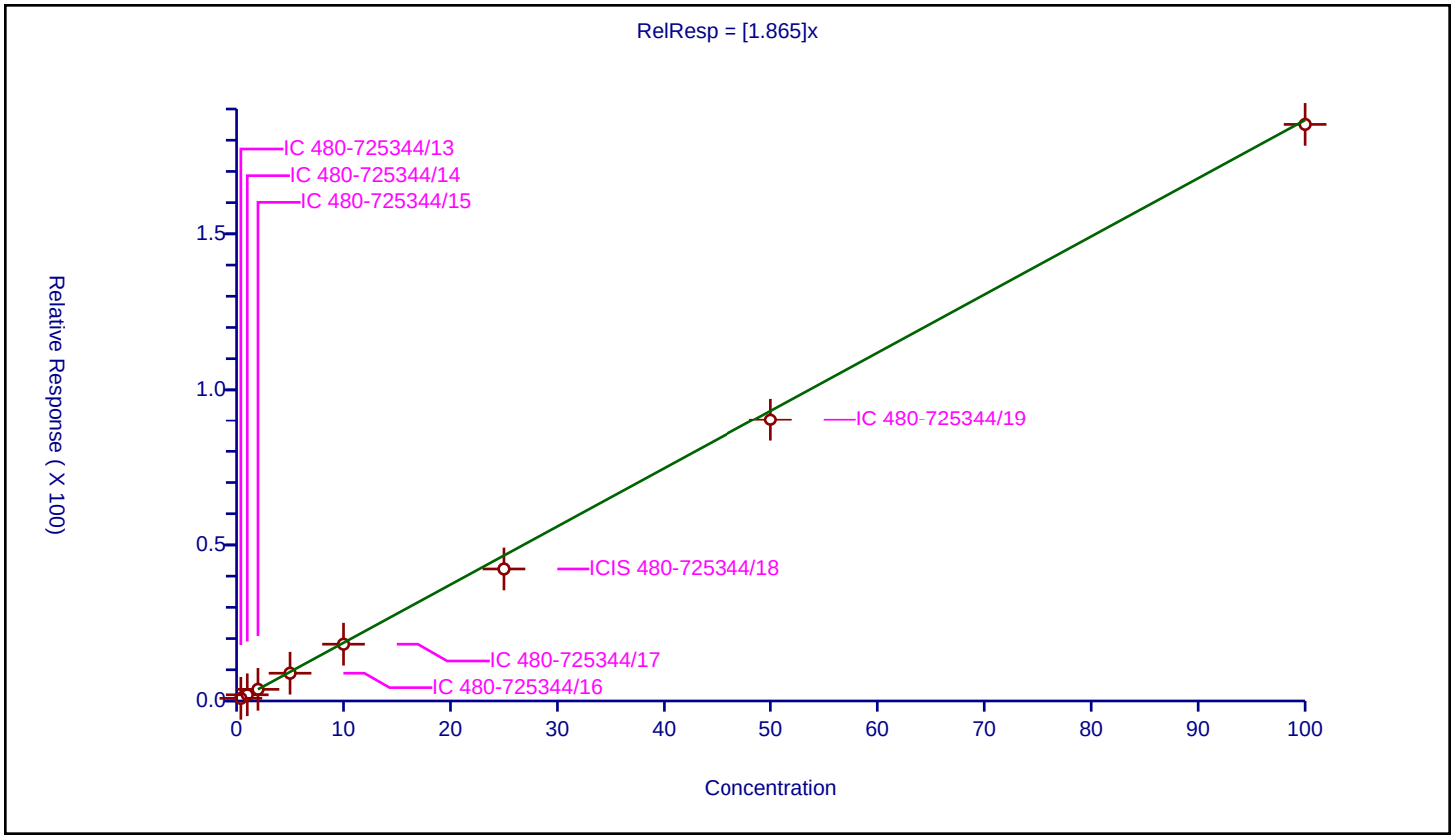
Curve Coefficients

Intercept:	0
Slope:	1.865

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.846126	25.0	171576.0	2.115316	Y
2	IC 480-725344/14	1.0	1.986678	25.0	178728.0	1.986678	Y
3	IC 480-725344/15	2.0	3.731827	25.0	181111.0	1.865914	Y
4	IC 480-725344/16	5.0	8.902954	25.0	173990.0	1.780591	Y
5	IC 480-725344/17	10.0	18.197976	25.0	187356.0	1.819798	Y
6	ICIS 480-725344/18	25.0	42.299387	25.0	184310.0	1.691975	Y
7	IC 480-725344/19	50.0	90.284019	25.0	185357.0	1.80568	Y
8	IC 480-725344/20	100.0	185.073809	25.0	177825.0	1.850738	Y



10/4/2024
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Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

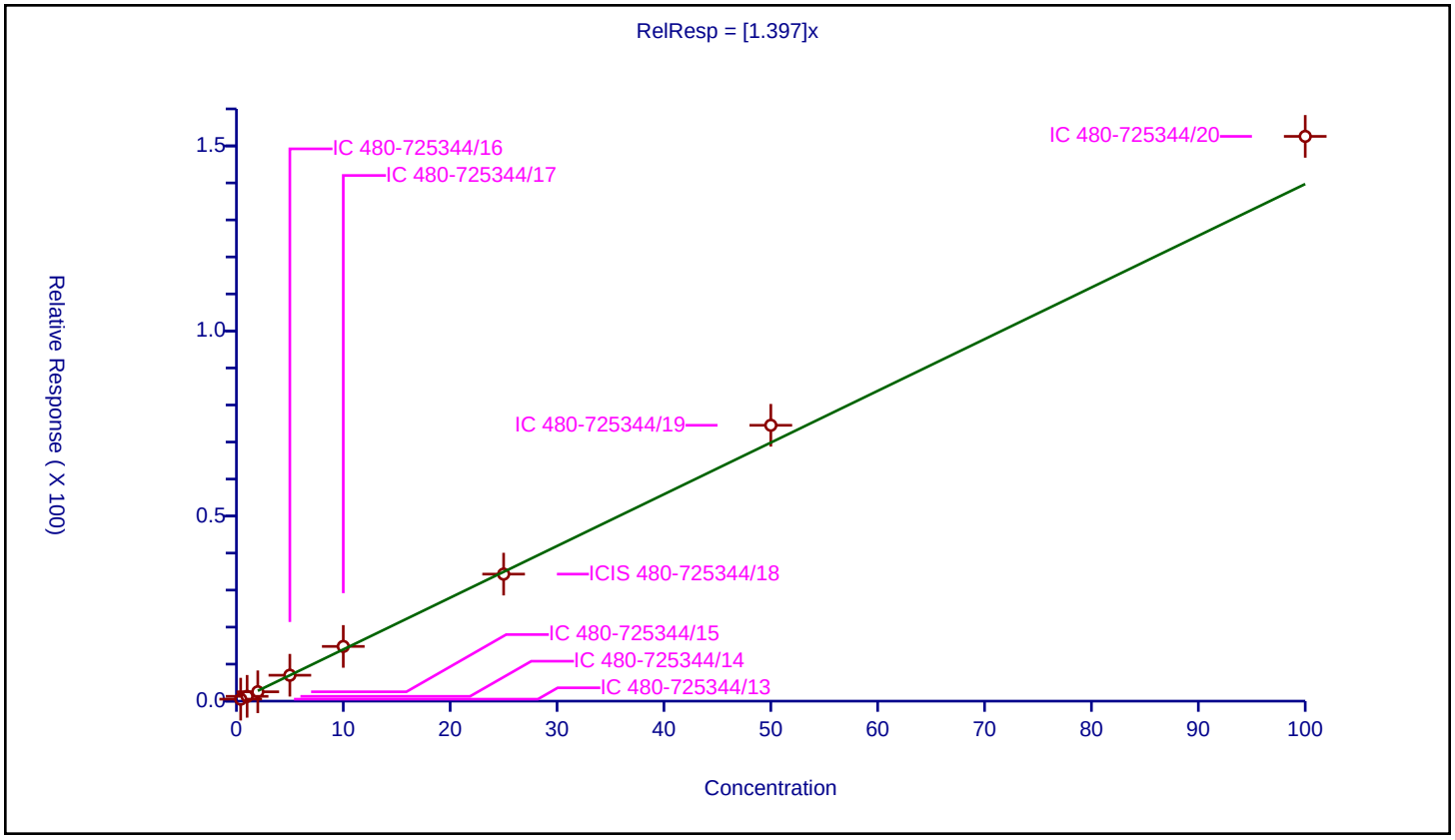
Curve Coefficients

Intercept:	0
Slope:	1.397

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.537663	25.0	171576.0	1.344157	Y
2	IC 480-725344/14	1.0	1.30044	25.0	178728.0	1.30044	Y
3	IC 480-725344/15	2.0	2.52994	25.0	181111.0	1.26497	Y
4	IC 480-725344/16	5.0	6.997529	25.0	173990.0	1.399506	Y
5	IC 480-725344/17	10.0	14.780285	25.0	187356.0	1.478028	Y
6	ICIS 480-725344/18	25.0	34.318132	25.0	184310.0	1.372725	Y
7	IC 480-725344/19	50.0	74.524566	25.0	185357.0	1.490491	Y
8	IC 480-725344/20	100.0	152.57416	25.0	177825.0	1.525742	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

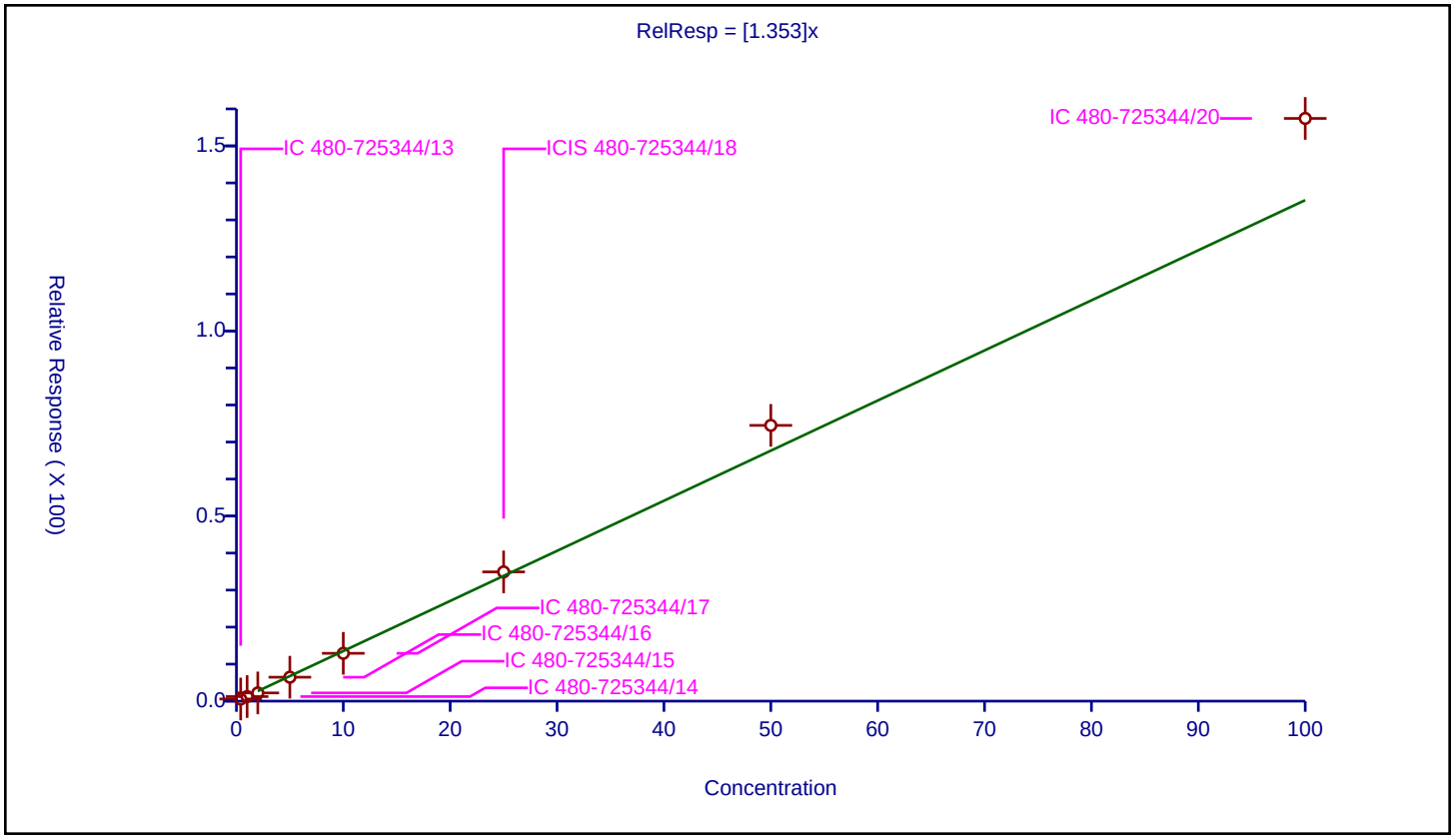
Curve Coefficients

Intercept:	0
Slope:	1.353

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.576567	25.0	171576.0	1.441417	Y
2	IC 480-725344/14	1.0	1.2319	25.0	178728.0	1.2319	Y
3	IC 480-725344/15	2.0	2.217563	25.0	181111.0	1.108781	Y
4	IC 480-725344/16	5.0	6.461866	25.0	173990.0	1.292373	Y
5	IC 480-725344/17	10.0	12.919255	25.0	187356.0	1.291926	Y
6	ICIS 480-725344/18	25.0	34.913732	25.0	184310.0	1.396549	Y
7	IC 480-725344/19	50.0	74.500154	25.0	185357.0	1.490003	Y
8	IC 480-725344/20	100.0	157.424715	25.0	177825.0	1.574247	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

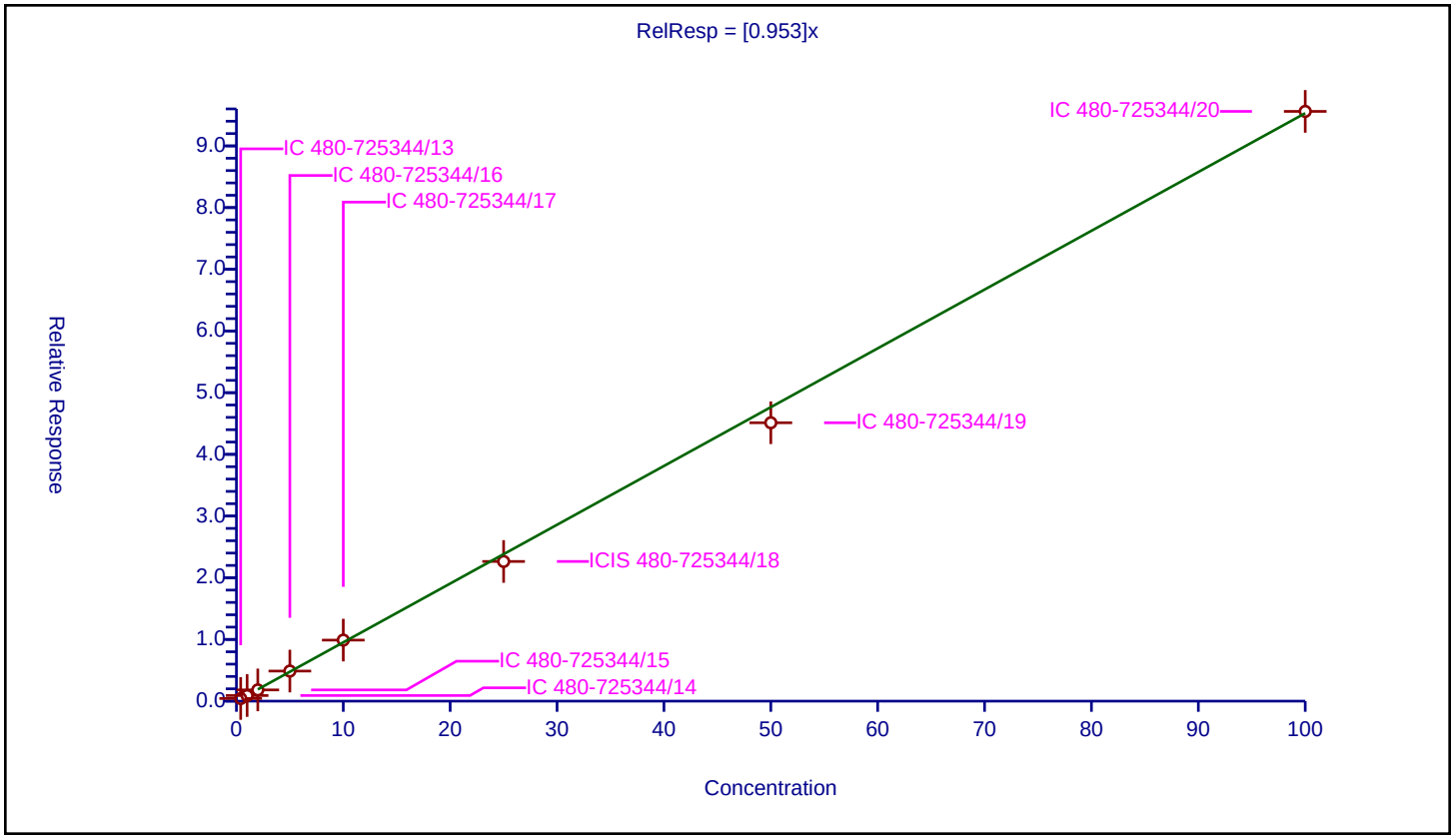
Curve Coefficients

Intercept:	0
Slope:	0.953

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.430422	25.0	171576.0	1.076054	Y
2	IC 480-725344/14	1.0	0.908503	25.0	178728.0	0.908503	Y
3	IC 480-725344/15	2.0	1.820569	25.0	181111.0	0.910284	Y
4	IC 480-725344/16	5.0	4.877579	25.0	173990.0	0.975516	Y
5	IC 480-725344/17	10.0	9.894132	25.0	187356.0	0.989413	Y
6	ICIS 480-725344/18	25.0	22.643508	25.0	184310.0	0.90574	Y
7	IC 480-725344/19	50.0	45.125757	25.0	185357.0	0.902515	Y
8	IC 480-725344/20	100.0	95.596232	25.0	177825.0	0.955962	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

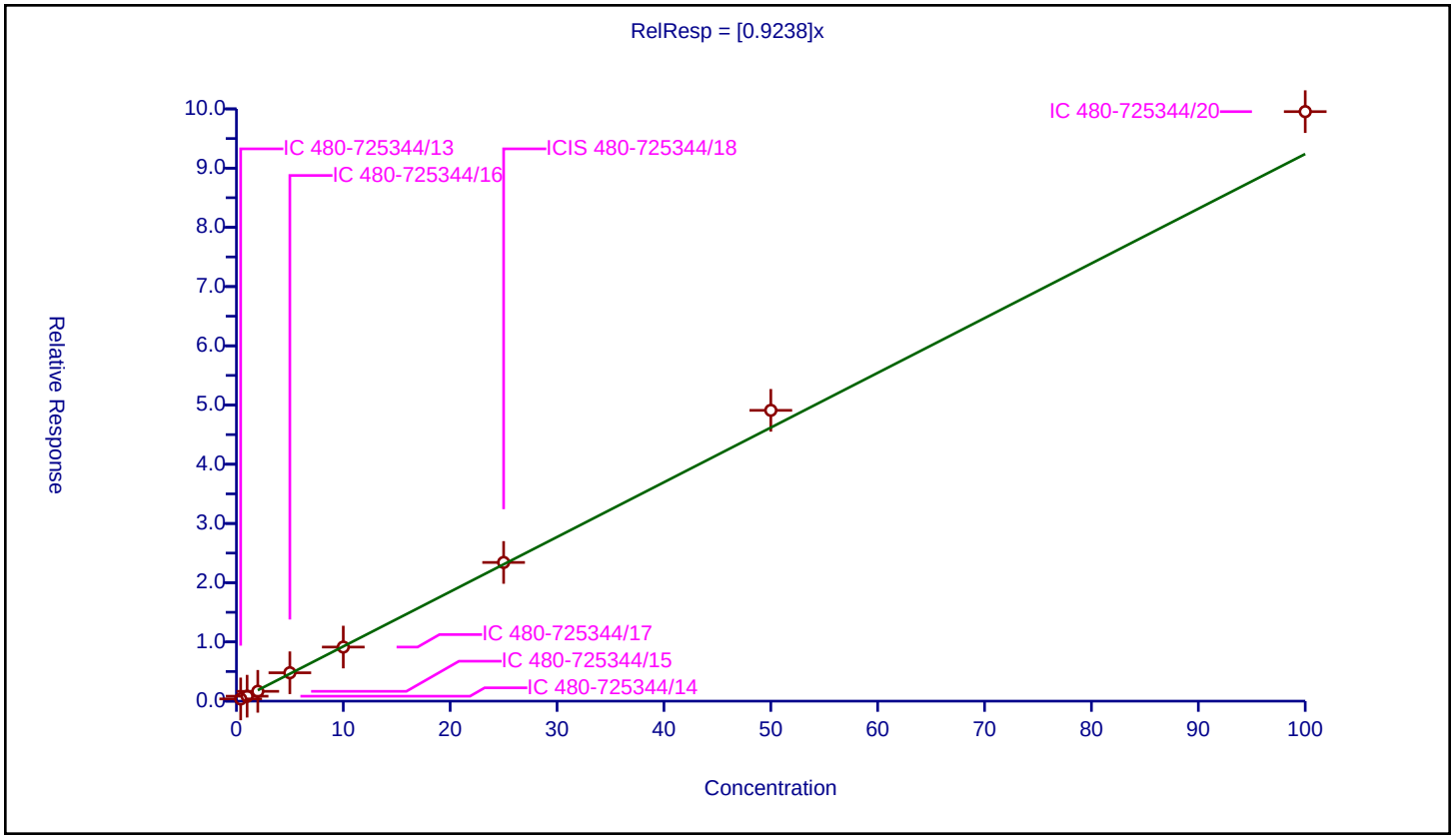
Curve Coefficients

Intercept:	0
Slope:	0.9238

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.377238	25.0	171576.0	0.943095	Y
2	IC 480-725344/14	1.0	0.83297	25.0	178728.0	0.83297	Y
3	IC 480-725344/15	2.0	1.658651	25.0	181111.0	0.829326	Y
4	IC 480-725344/16	5.0	4.790074	25.0	173990.0	0.958015	Y
5	IC 480-725344/17	10.0	9.131413	25.0	187356.0	0.913141	Y
6	ICIS 480-725344/18	25.0	23.420189	25.0	184310.0	0.936808	Y
7	IC 480-725344/19	50.0	49.102408	25.0	185357.0	0.982048	Y
8	IC 480-725344/20	100.0	99.537748	25.0	177825.0	0.995377	Y



10/4/2024
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Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

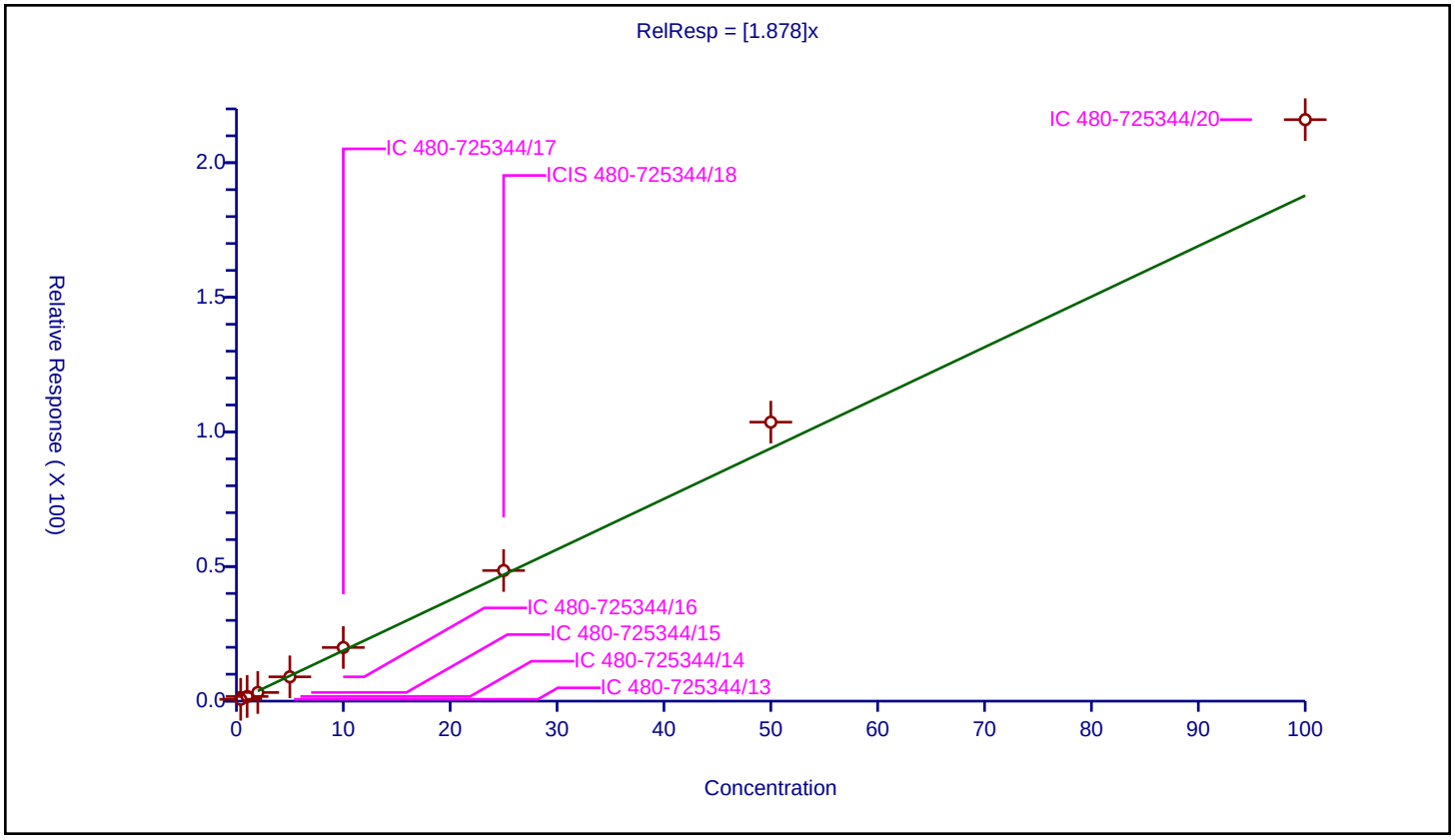
Curve Coefficients

Intercept:	0
Slope:	1.878

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.686431	25.0	171576.0	1.716076	Y
2	IC 480-725344/14	1.0	1.730423	25.0	178728.0	1.730423	Y
3	IC 480-725344/15	2.0	3.212533	25.0	181111.0	1.606266	Y
4	IC 480-725344/16	5.0	9.026381	25.0	173990.0	1.805276	Y
5	IC 480-725344/17	10.0	19.934109	25.0	187356.0	1.993411	Y
6	ICIS 480-725344/18	25.0	48.525039	25.0	184310.0	1.941002	Y
7	IC 480-725344/19	50.0	103.645533	25.0	185357.0	2.072911	Y
8	IC 480-725344/20	100.0	216.005061	25.0	177825.0	2.160051	Y



10/4/2024
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Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

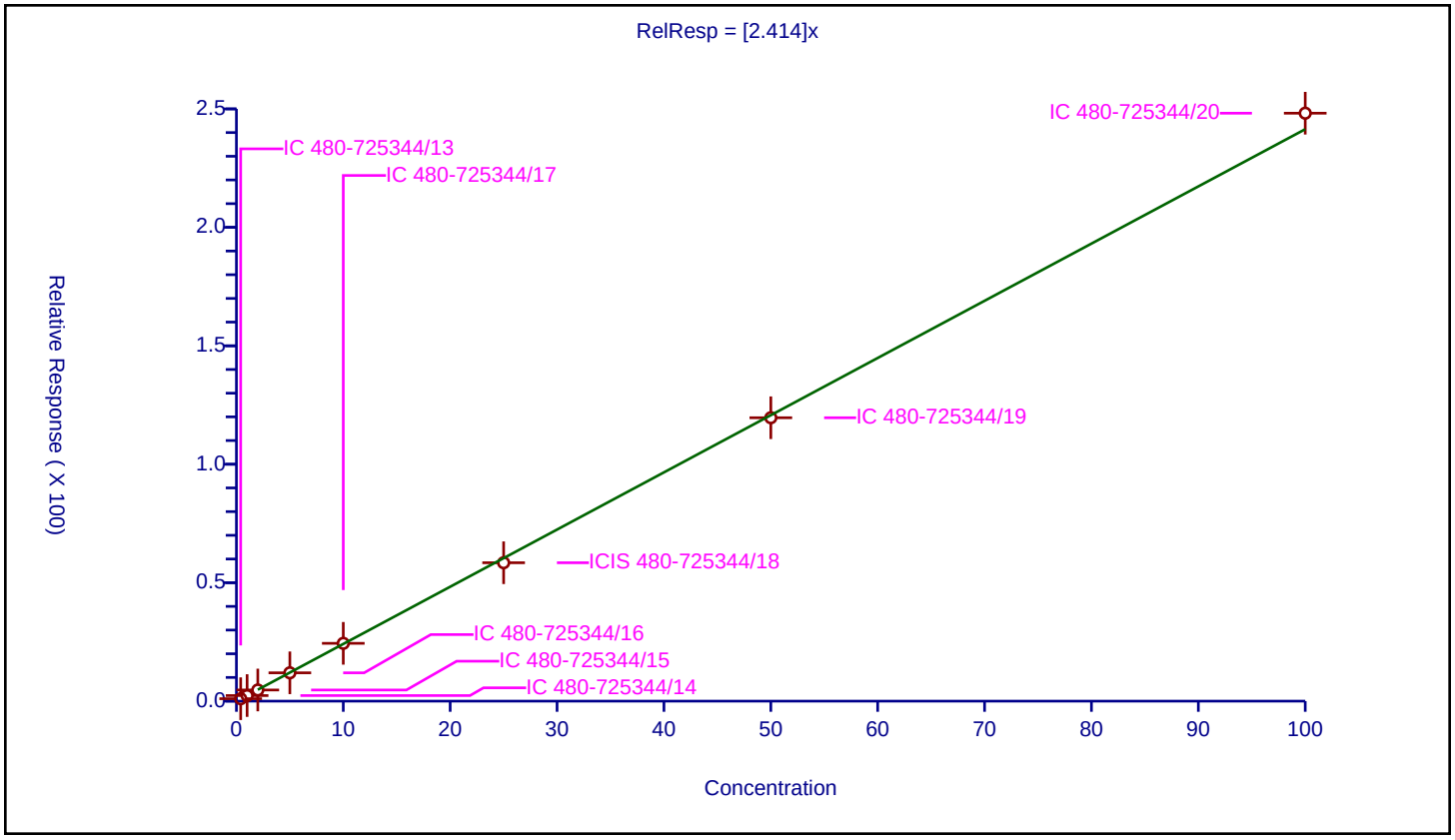
Curve Coefficients

Intercept:	0
Slope:	2.414

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	1.025056	25.0	171576.0	2.56264	Y
2	IC 480-725344/14	1.0	2.353157	25.0	178728.0	2.353157	Y
3	IC 480-725344/15	2.0	4.706506	25.0	181111.0	2.353253	Y
4	IC 480-725344/16	5.0	11.96132	25.0	173990.0	2.392264	Y
5	IC 480-725344/17	10.0	24.404743	25.0	187356.0	2.440474	Y
6	ICIS 480-725344/18	25.0	58.424122	25.0	184310.0	2.336965	Y
7	IC 480-725344/19	50.0	119.623753	25.0	185357.0	2.392475	Y
8	IC 480-725344/20	100.0	248.181077	25.0	177825.0	2.481811	Y



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Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

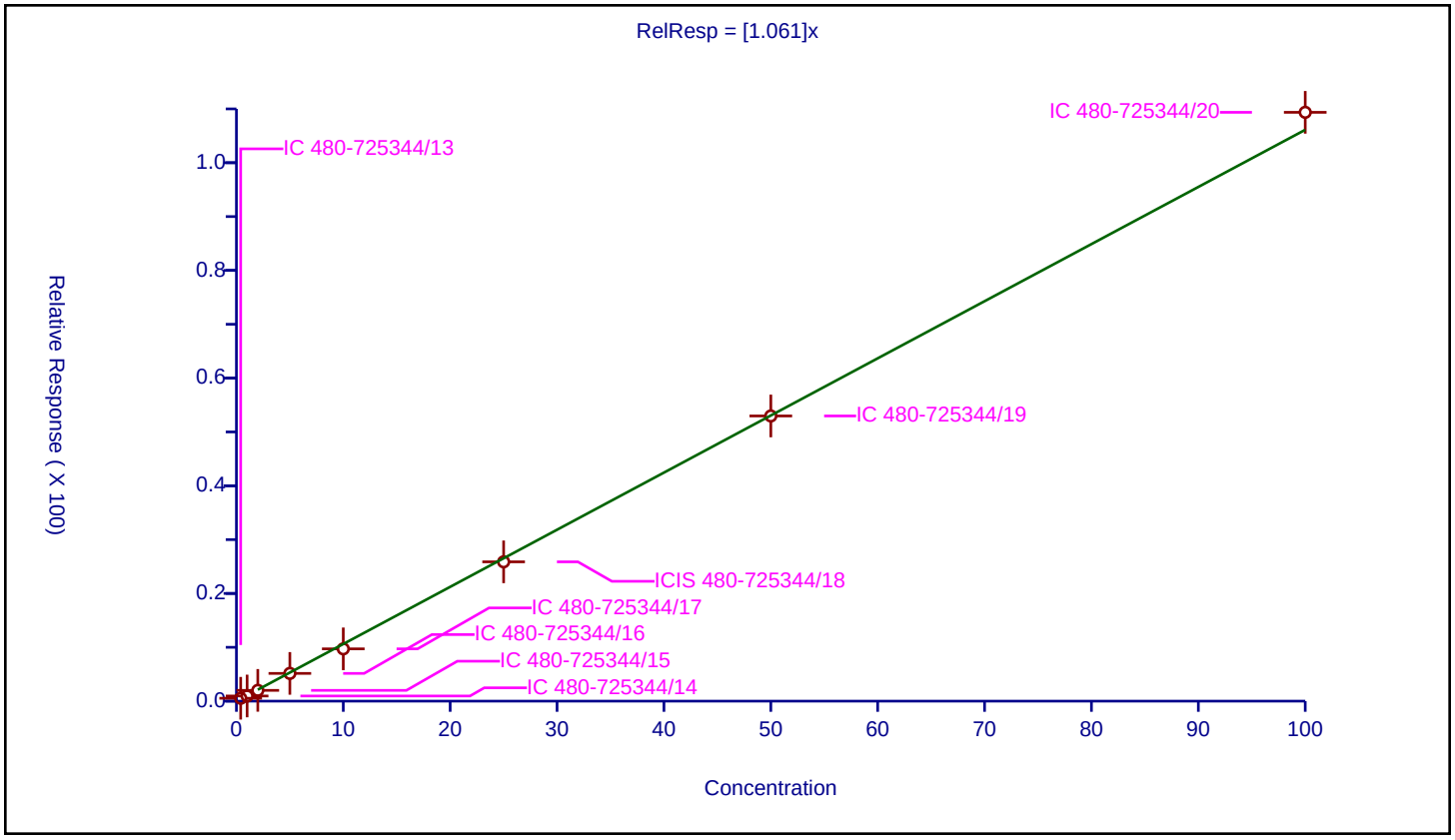
Curve Coefficients

Intercept:	0
Slope:	1.061

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.536788	25.0	171576.0	1.341971	Y
2	IC 480-725344/14	1.0	0.95816	25.0	178728.0	0.95816	Y
3	IC 480-725344/15	2.0	1.998636	25.0	181111.0	0.999318	Y
4	IC 480-725344/16	5.0	5.152595	25.0	173990.0	1.030519	Y
5	IC 480-725344/17	10.0	9.711058	25.0	187356.0	0.971106	Y
6	ICIS 480-725344/18	25.0	25.875834	25.0	184310.0	1.035033	Y
7	IC 480-725344/19	50.0	52.966438	25.0	185357.0	1.059329	Y
8	IC 480-725344/20	100.0	109.364122	25.0	177825.0	1.093641	Y



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Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

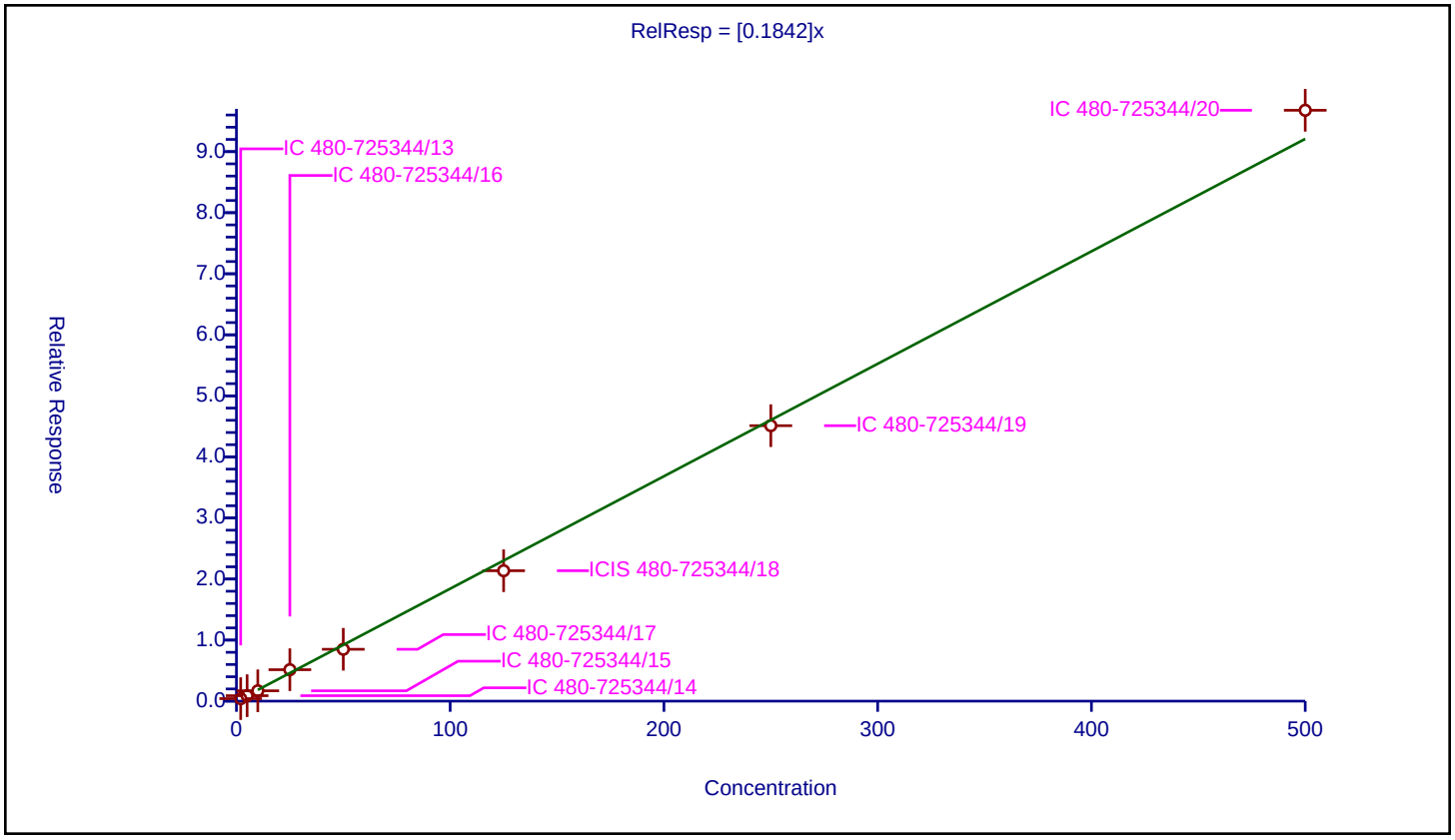
Curve Coefficients

Intercept:	0
Slope:	0.1842

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	2.0	0.410314	25.0	171576.0	0.205157	Y
2	IC 480-725344/14	5.0	0.89004	25.0	178728.0	0.178008	Y
3	IC 480-725344/15	10.0	1.693437	25.0	181111.0	0.169344	Y
4	IC 480-725344/16	25.0	5.150583	25.0	173990.0	0.206023	Y
5	IC 480-725344/17	50.0	8.496659	25.0	187356.0	0.169933	Y
6	ICIS 480-725344/18	125.0	21.358852	25.0	184310.0	0.170871	Y
7	IC 480-725344/19	250.0	45.116856	25.0	185357.0	0.180467	Y
8	IC 480-725344/20	500.0	96.772107	25.0	177825.0	0.193544	Y



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Calibration / 1,1-Dichloroethene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

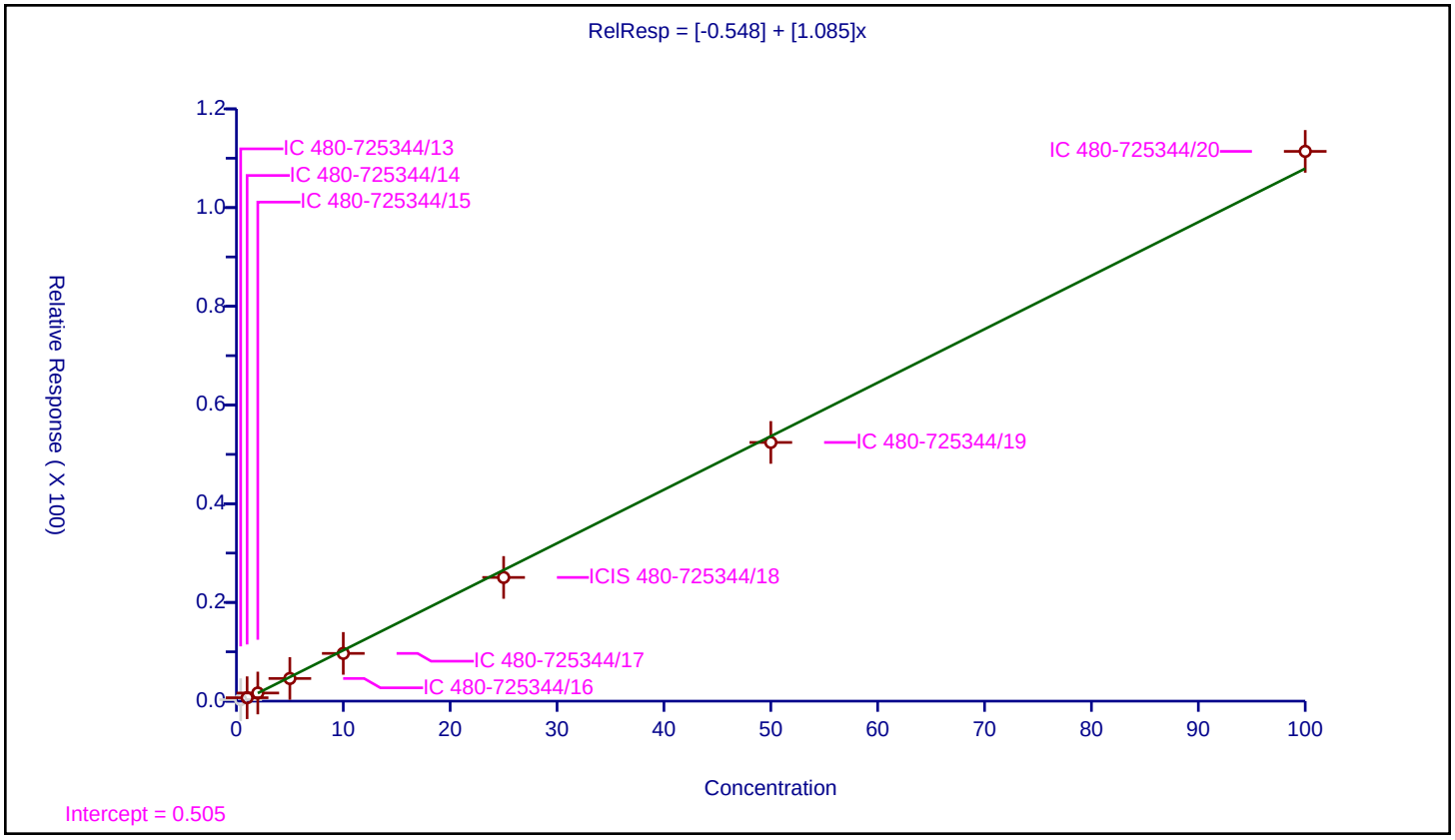
Curve Coefficients

Intercept:	-0.548
Slope:	1.085

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.302198	25.0	171576.0	0.755496	N
2	IC 480-725344/14	1.0	0.692253	25.0	178728.0	0.692253	Y
3	IC 480-725344/15	2.0	1.648989	25.0	181111.0	0.824494	Y
4	IC 480-725344/16	5.0	4.590781	25.0	173990.0	0.918156	Y
5	IC 480-725344/17	10.0	9.672228	25.0	187356.0	0.967223	Y
6	ICIS 480-725344/18	25.0	25.064701	25.0	184310.0	1.002588	Y
7	IC 480-725344/19	50.0	52.416553	25.0	185357.0	1.048331	Y
8	IC 480-725344/20	100.0	111.393927	25.0	177825.0	1.113939	Y



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Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

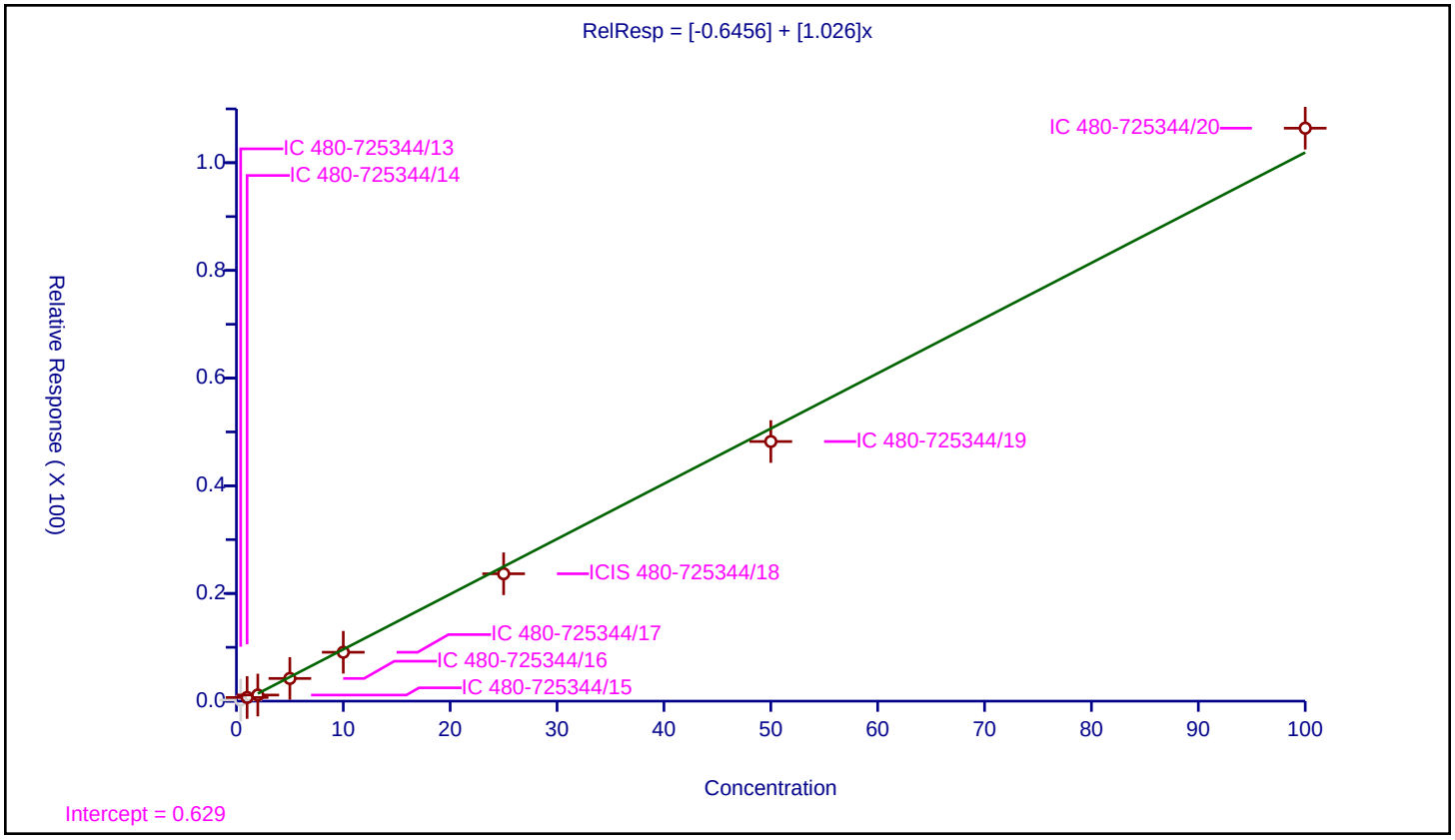
Curve Coefficients

Intercept:	-0.6456
Slope:	1.026

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.213754	25.0	171576.0	0.534384	N
2	IC 480-725344/14	1.0	0.678265	25.0	178728.0	0.678265	Y
3	IC 480-725344/15	2.0	1.134249	25.0	181111.0	0.567125	Y
4	IC 480-725344/16	5.0	4.214035	25.0	173990.0	0.842807	Y
5	IC 480-725344/17	10.0	9.081775	25.0	187356.0	0.908177	Y
6	ICIS 480-725344/18	25.0	23.660002	25.0	184310.0	0.9464	Y
7	IC 480-725344/19	50.0	48.220596	25.0	185357.0	0.964412	Y
8	IC 480-725344/20	100.0	106.41389	25.0	177825.0	1.064139	Y



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Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

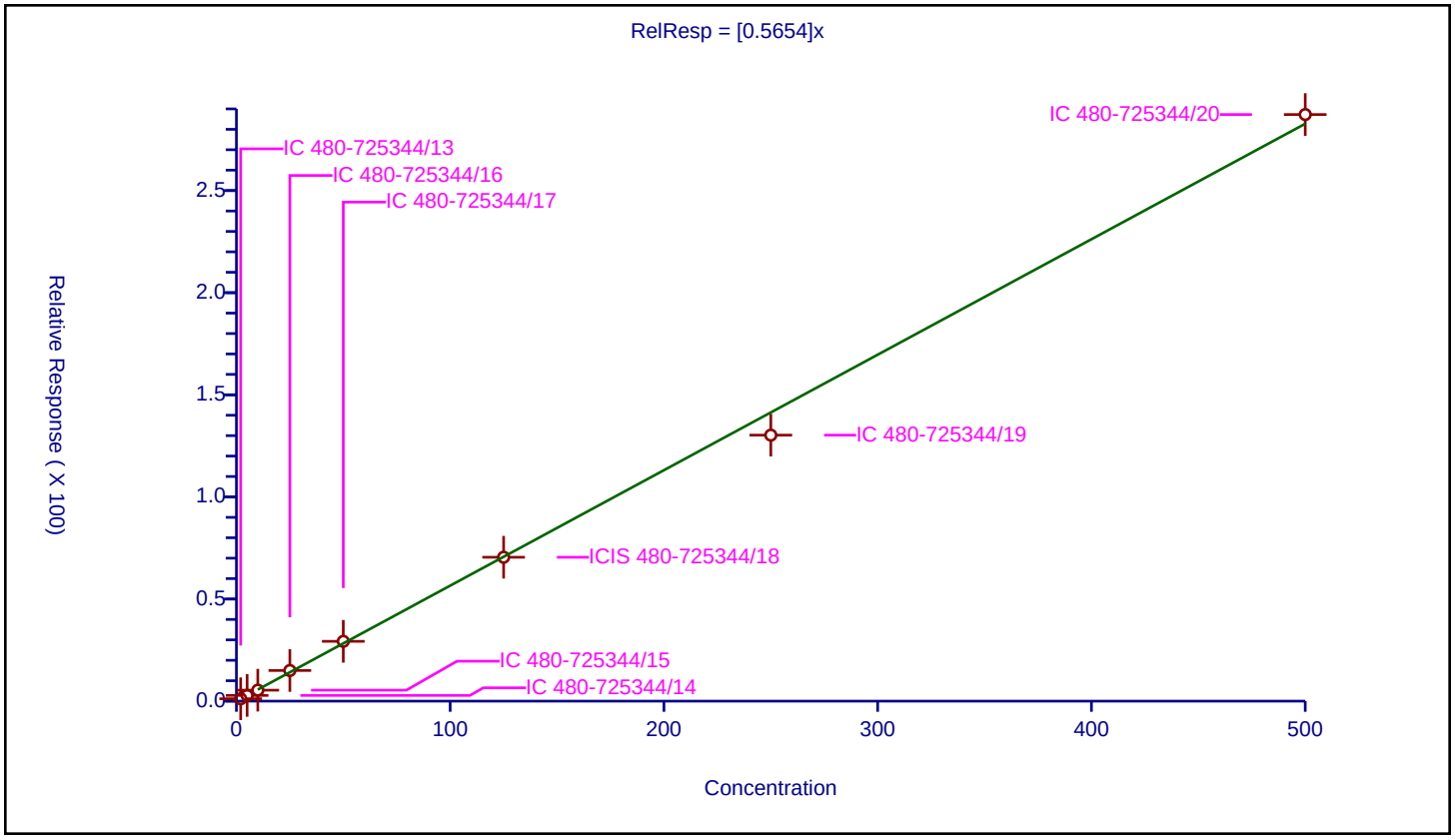
Curve Coefficients

Intercept:	0
Slope:	0.5654

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	2.0	1.163187	25.0	171576.0	0.581594	Y
2	IC 480-725344/14	5.0	2.800485	25.0	178728.0	0.560097	Y
3	IC 480-725344/15	10.0	5.369635	25.0	181111.0	0.536964	Y
4	IC 480-725344/16	25.0	15.002299	25.0	173990.0	0.600092	Y
5	IC 480-725344/17	50.0	29.281421	25.0	187356.0	0.585628	Y
6	ICIS 480-725344/18	125.0	70.462129	25.0	184310.0	0.563697	Y
7	IC 480-725344/19	250.0	130.246767	25.0	185357.0	0.520987	Y
8	IC 480-725344/20	500.0	287.240405	25.0	177825.0	0.574481	Y



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Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

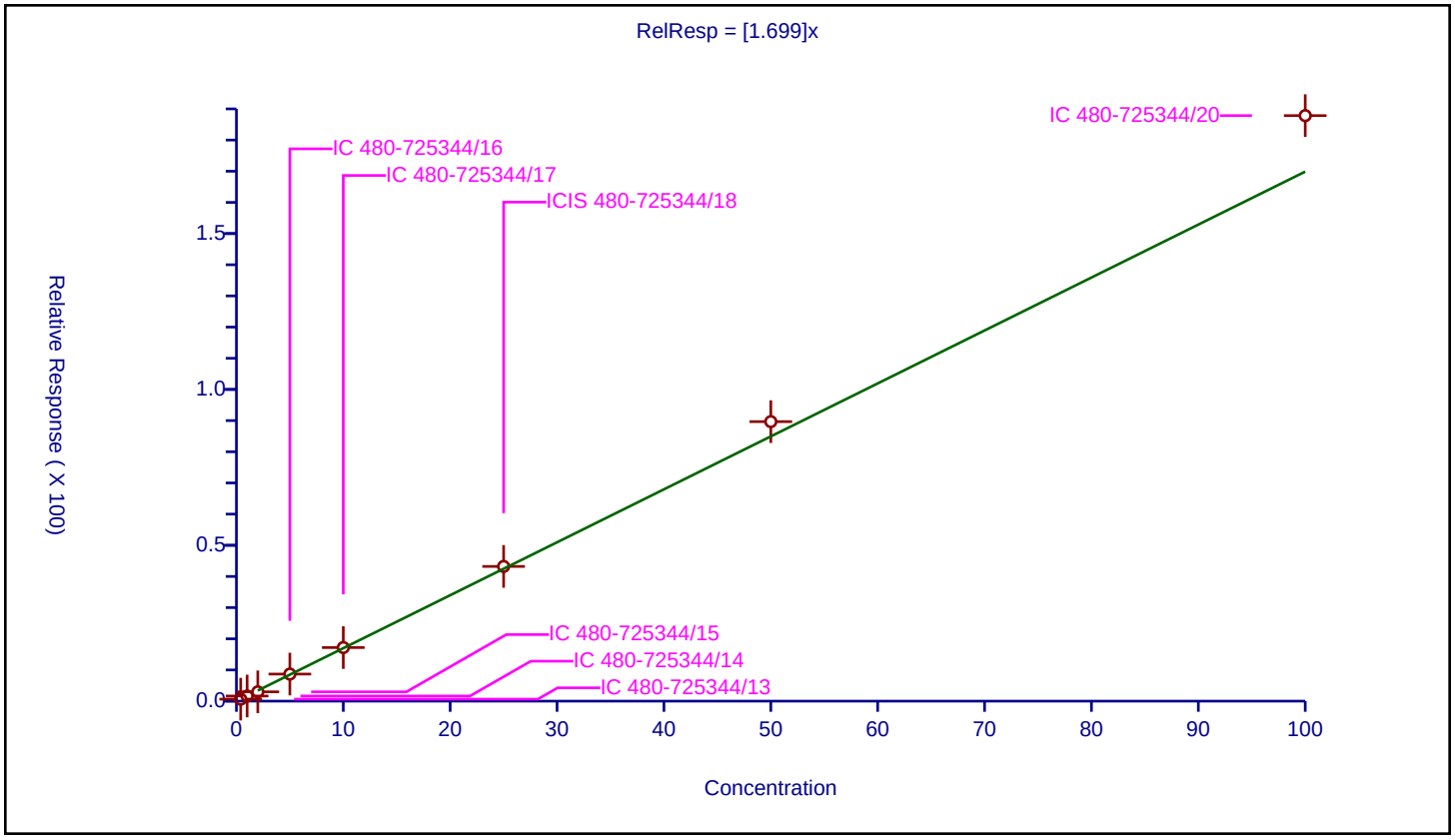
Curve Coefficients

Intercept:	0
Slope:	1.699

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.640241	25.0	171576.0	1.600603	Y
2	IC 480-725344/14	1.0	1.641601	25.0	178728.0	1.641601	Y
3	IC 480-725344/15	2.0	2.983115	25.0	181111.0	1.491558	Y
4	IC 480-725344/16	5.0	8.685269	25.0	173990.0	1.737054	Y
5	IC 480-725344/17	10.0	17.18333	25.0	187356.0	1.718333	Y
6	ICIS 480-725344/18	25.0	43.213608	25.0	184310.0	1.728544	Y
7	IC 480-725344/19	50.0	89.673036	25.0	185357.0	1.793461	Y
8	IC 480-725344/20	100.0	187.837481	25.0	177825.0	1.878375	Y



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Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

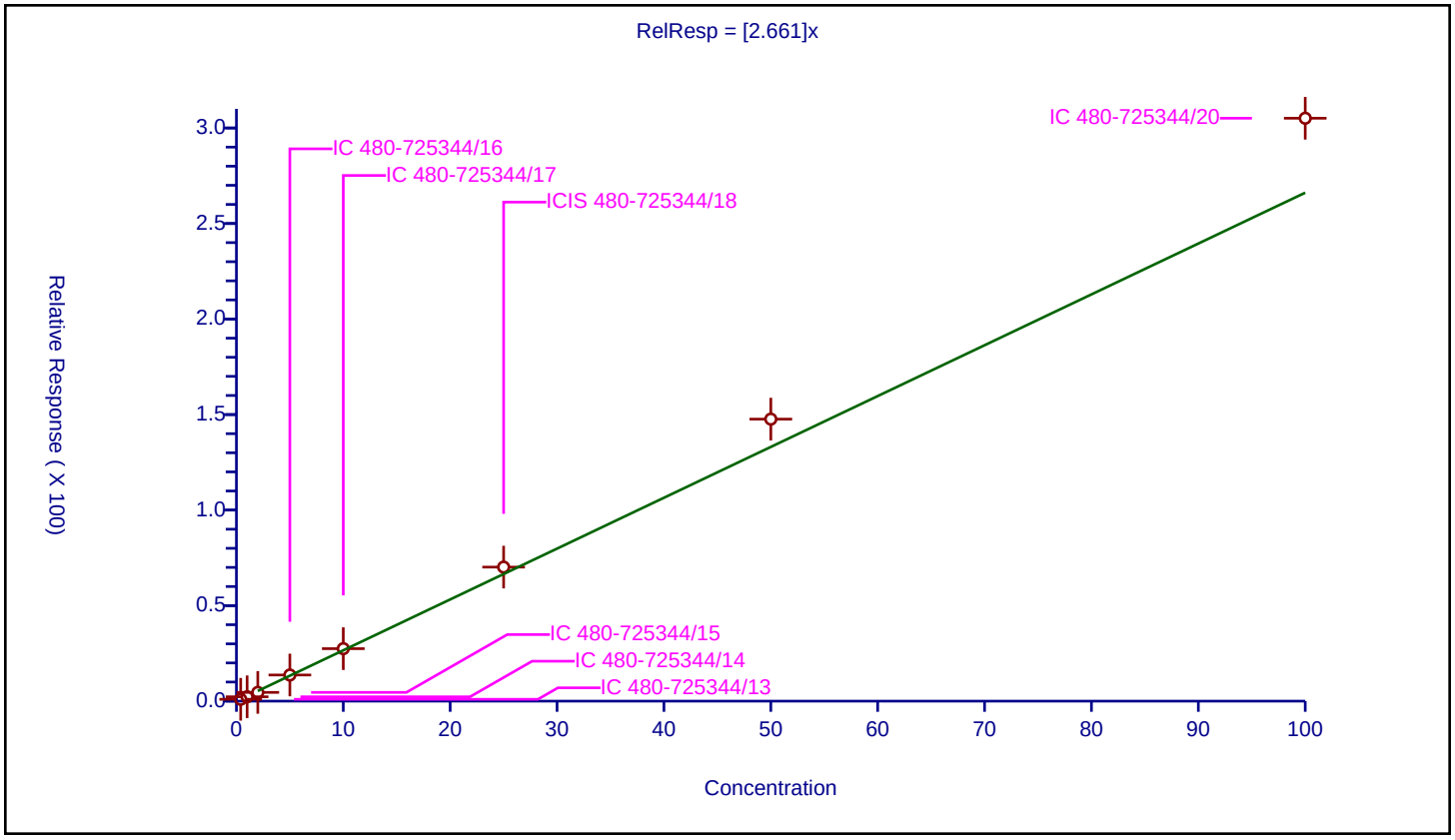
Curve Coefficients

Intercept:	0
Slope:	2.661

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.971873	25.0	171576.0	2.429681	Y
2	IC 480-725344/14	1.0	2.276364	25.0	178728.0	2.276364	Y
3	IC 480-725344/15	2.0	4.581721	25.0	181111.0	2.29086	Y
4	IC 480-725344/16	5.0	13.682396	25.0	173990.0	2.736479	Y
5	IC 480-725344/17	10.0	27.473099	25.0	187356.0	2.74731	Y
6	ICIS 480-725344/18	25.0	70.160328	25.0	184310.0	2.806413	Y
7	IC 480-725344/19	50.0	147.608264	25.0	185357.0	2.952165	Y
8	IC 480-725344/20	100.0	305.102629	25.0	177825.0	3.051026	Y



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Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

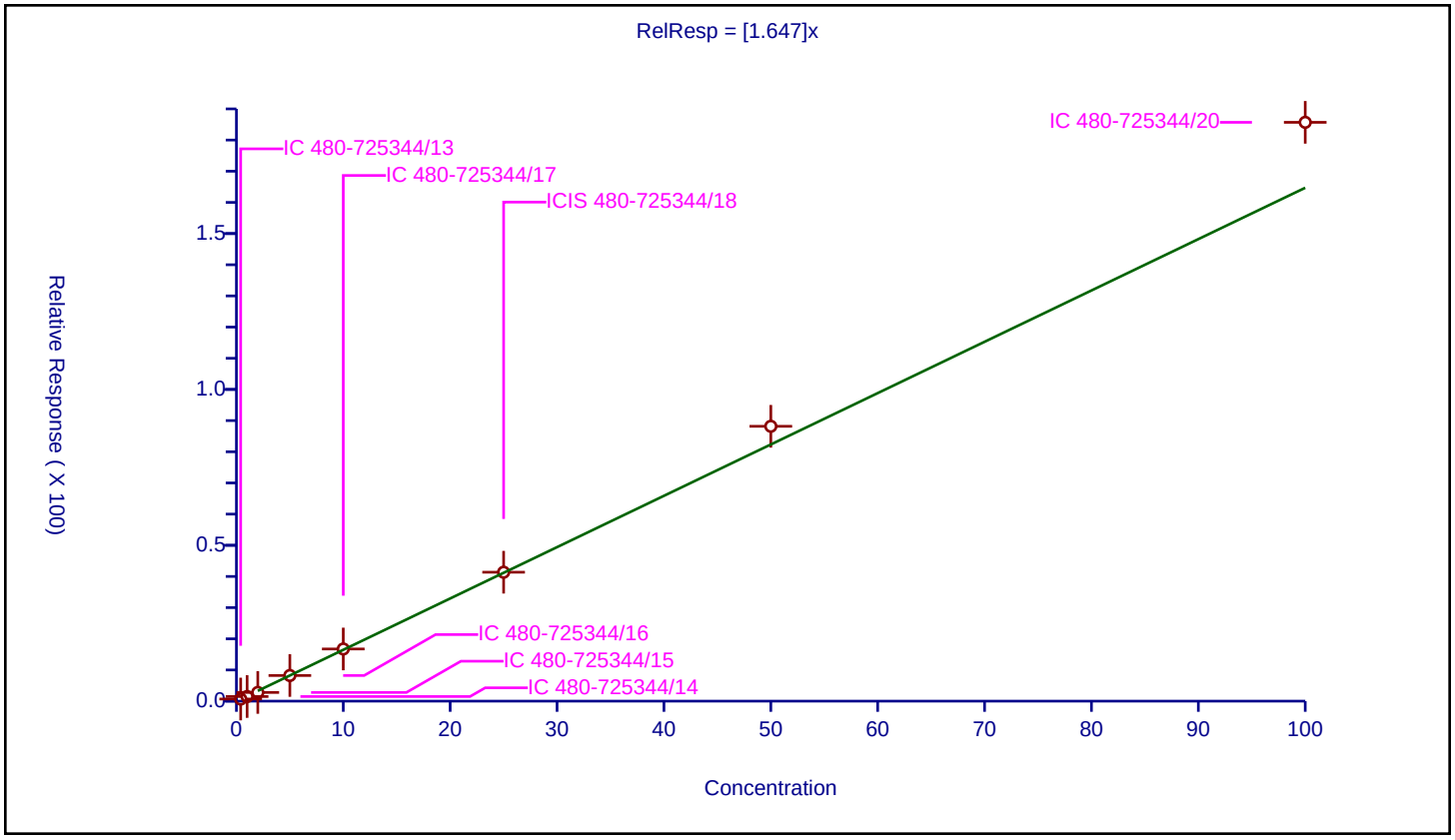
Curve Coefficients

Intercept:	0
Slope:	1.647

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.680748	25.0	171576.0	1.70187	Y
2	IC 480-725344/14	1.0	1.483399	25.0	178728.0	1.483399	Y
3	IC 480-725344/15	2.0	2.791244	25.0	181111.0	1.395622	Y
4	IC 480-725344/16	5.0	8.226479	25.0	173990.0	1.645296	Y
5	IC 480-725344/17	10.0	16.737655	25.0	187356.0	1.673765	Y
6	ICIS 480-725344/18	25.0	41.358988	25.0	184310.0	1.65436	Y
7	IC 480-725344/19	50.0	88.17606	25.0	185357.0	1.763521	Y
8	IC 480-725344/20	100.0	185.685505	25.0	177825.0	1.856855	Y



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Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

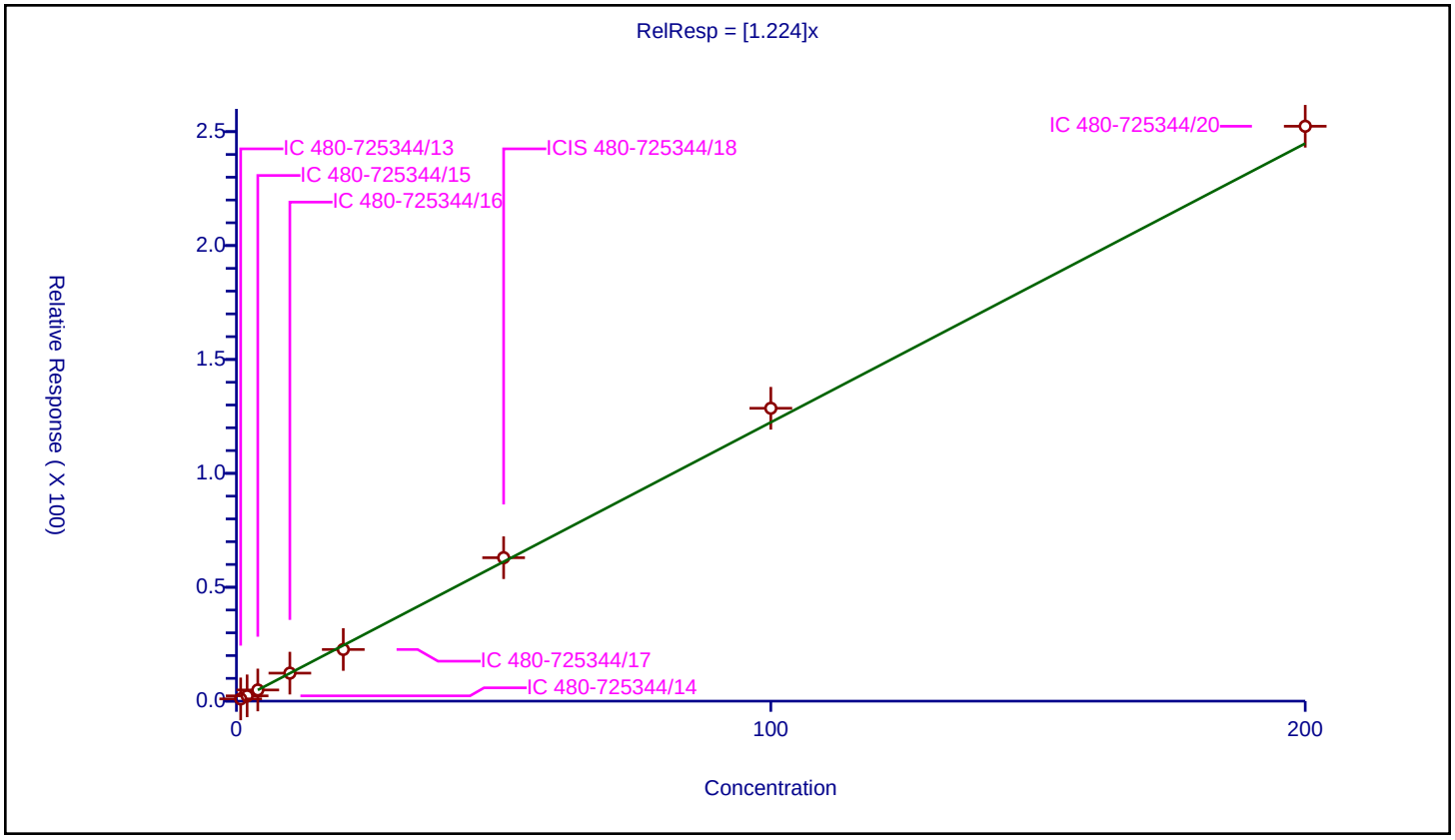
Curve Coefficients

Intercept:	0
Slope:	1.224

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.8	0.989795	25.0	171576.0	1.237243	Y
2	IC 480-725344/14	2.0	2.318747	25.0	178728.0	1.159373	Y
3	IC 480-725344/15	4.0	4.90307	25.0	181111.0	1.225768	Y
4	IC 480-725344/16	10.0	12.294241	25.0	173990.0	1.229424	Y
5	IC 480-725344/17	20.0	22.676883	25.0	187356.0	1.133844	Y
6	ICIS 480-725344/18	50.0	62.972709	25.0	184310.0	1.259454	Y
7	IC 480-725344/19	100.0	128.573779	25.0	185357.0	1.285738	Y
8	IC 480-725344/20	200.0	252.379305	25.0	177825.0	1.261897	Y



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Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

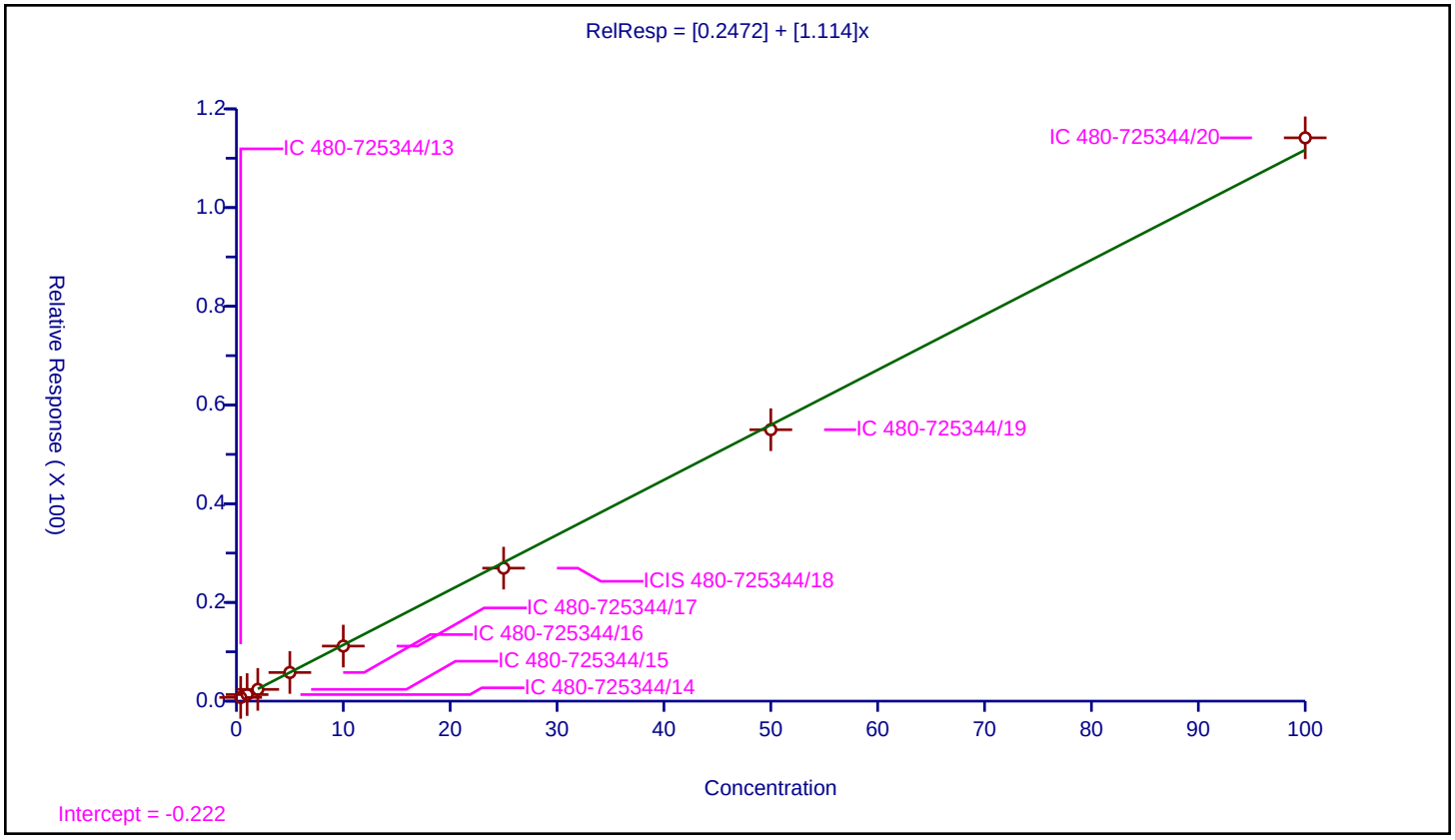
Curve Coefficients

Intercept:	0.2472
Slope:	1.114

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.752145	25.0	171576.0	1.880362	Y
2	IC 480-725344/14	1.0	1.327716	25.0	178728.0	1.327716	Y
3	IC 480-725344/15	2.0	2.383069	25.0	181111.0	1.191534	Y
4	IC 480-725344/16	5.0	5.805362	25.0	173990.0	1.161072	Y
5	IC 480-725344/17	10.0	11.157769	25.0	187356.0	1.115777	Y
6	ICIS 480-725344/18	25.0	26.945906	25.0	184310.0	1.077836	Y
7	IC 480-725344/19	50.0	54.998867	25.0	185357.0	1.099977	Y
8	IC 480-725344/20	100.0	114.136651	25.0	177825.0	1.141367	Y



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Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

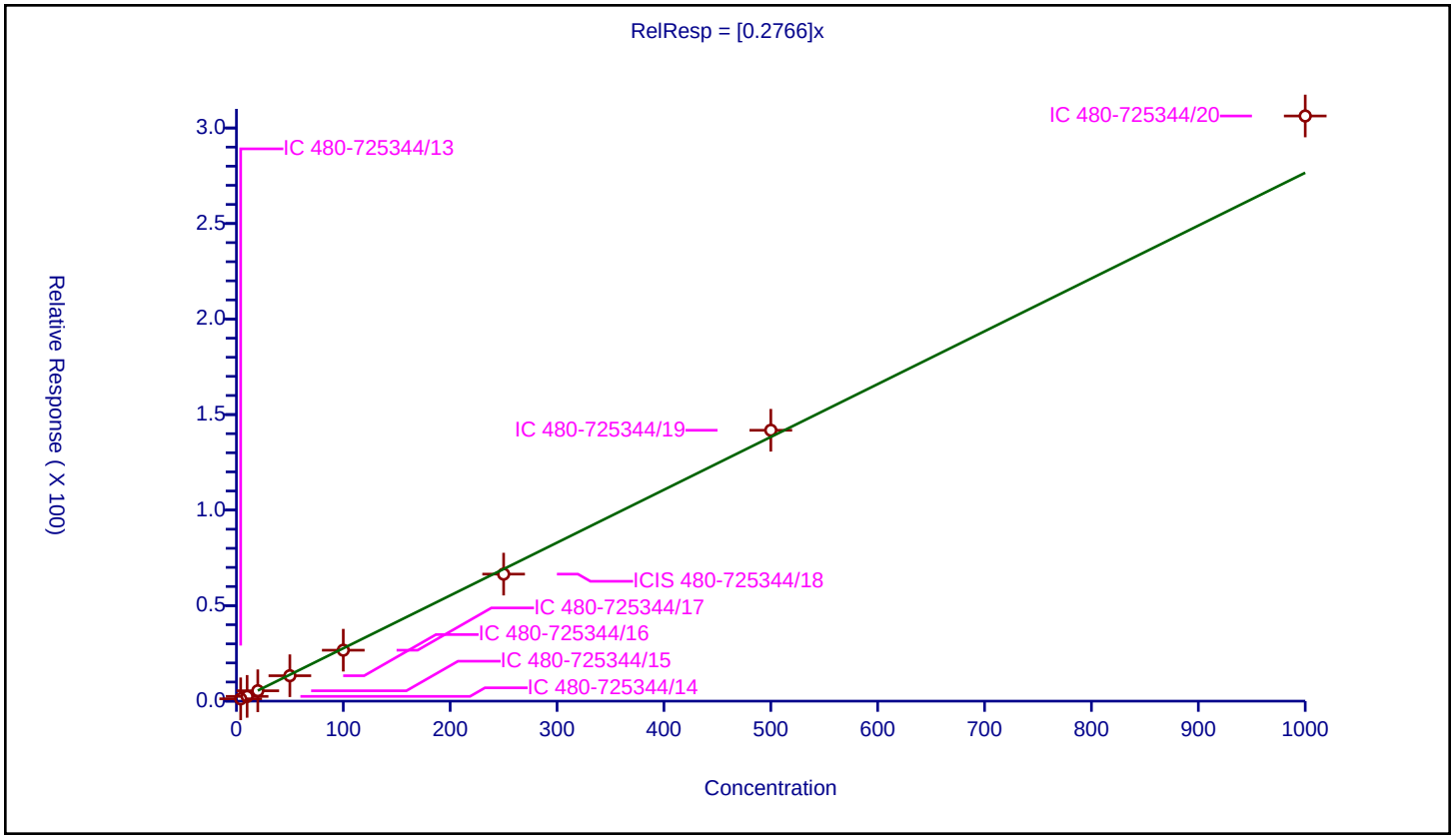
Curve Coefficients

Intercept:	0
Slope:	0.2766

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	4.0	1.213602	25.0	171576.0	0.303401	Y
2	IC 480-725344/14	10.0	2.492894	25.0	178728.0	0.249289	Y
3	IC 480-725344/15	20.0	5.427473	25.0	181111.0	0.271374	Y
4	IC 480-725344/16	50.0	13.303063	25.0	173990.0	0.266061	Y
5	IC 480-725344/17	100.0	26.655938	25.0	187356.0	0.266559	Y
6	ICIS 480-725344/18	250.0	66.49395	25.0	184310.0	0.265976	Y
7	IC 480-725344/19	500.0	141.787335	25.0	185357.0	0.283575	Y
8	IC 480-725344/20	1000.0	306.298327	25.0	177825.0	0.306298	Y



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Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

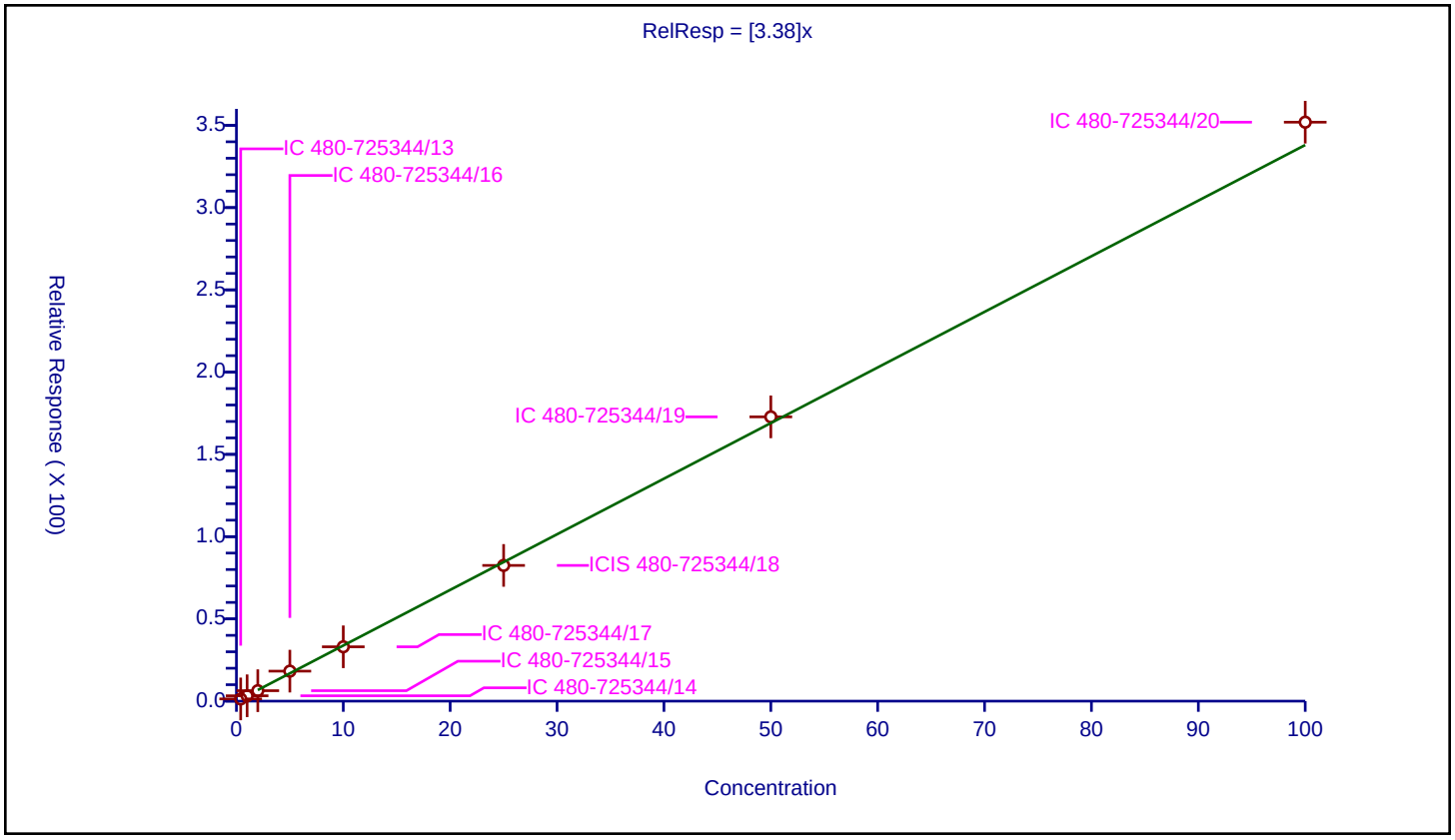
Curve Coefficients

Intercept:	0
Slope:	3.38

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	1.353919	25.0	171576.0	3.384797	Y
2	IC 480-725344/14	1.0	3.254247	25.0	178728.0	3.254247	Y
3	IC 480-725344/15	2.0	6.355495	25.0	181111.0	3.177747	Y
4	IC 480-725344/16	5.0	18.240991	25.0	173990.0	3.648198	Y
5	IC 480-725344/17	10.0	33.030834	25.0	187356.0	3.303083	Y
6	ICIS 480-725344/18	25.0	82.491455	25.0	184310.0	3.299658	Y
7	IC 480-725344/19	50.0	172.80707	25.0	185357.0	3.456141	Y
8	IC 480-725344/20	100.0	351.929284	25.0	177825.0	3.519293	Y



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Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

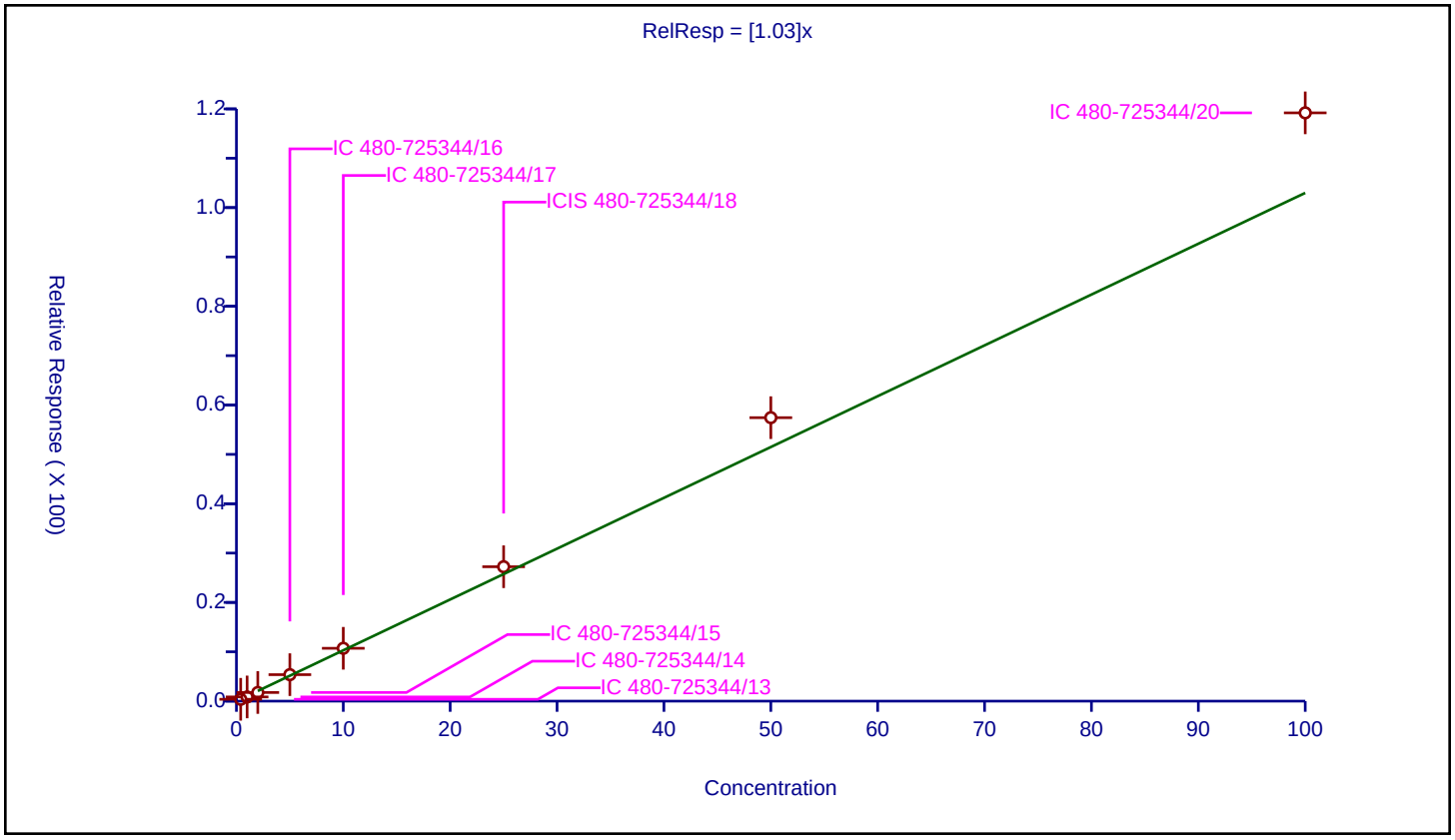
Curve Coefficients

Intercept:	0
Slope:	1.03

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.374907	25.0	171576.0	0.937267	Y
2	IC 480-725344/14	1.0	0.849895	25.0	178728.0	0.849895	Y
3	IC 480-725344/15	2.0	1.751964	25.0	181111.0	0.875982	Y
4	IC 480-725344/16	5.0	5.367406	25.0	173990.0	1.073481	Y
5	IC 480-725344/17	10.0	10.711827	25.0	187356.0	1.071183	Y
6	ICIS 480-725344/18	25.0	27.235364	25.0	184310.0	1.089415	Y
7	IC 480-725344/19	50.0	57.439428	25.0	185357.0	1.148789	Y
8	IC 480-725344/20	100.0	119.197807	25.0	177825.0	1.191978	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

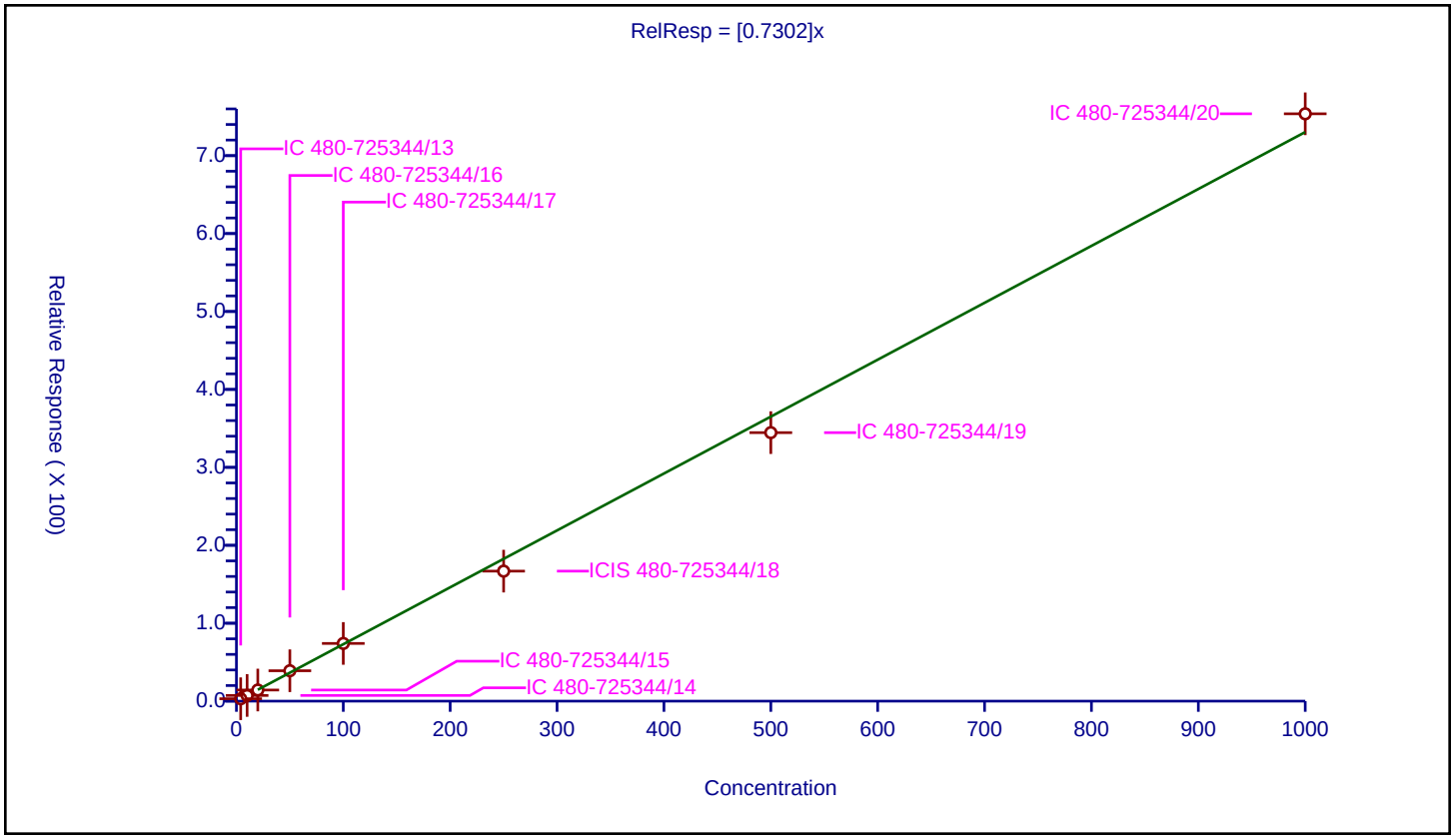
Curve Coefficients

Intercept:	0
Slope:	0.7302

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	4.0	3.079102	25.0	171576.0	0.769775	Y
2	IC 480-725344/14	10.0	7.28733	25.0	178728.0	0.728733	Y
3	IC 480-725344/15	20.0	14.254656	25.0	181111.0	0.712733	Y
4	IC 480-725344/16	50.0	39.002816	25.0	173990.0	0.780056	Y
5	IC 480-725344/17	100.0	74.037794	25.0	187356.0	0.740378	Y
6	ICIS 480-725344/18	250.0	166.826271	25.0	184310.0	0.667305	Y
7	IC 480-725344/19	500.0	344.577356	25.0	185357.0	0.689155	Y
8	IC 480-725344/20	1000.0	753.726557	25.0	177825.0	0.753727	Y



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Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

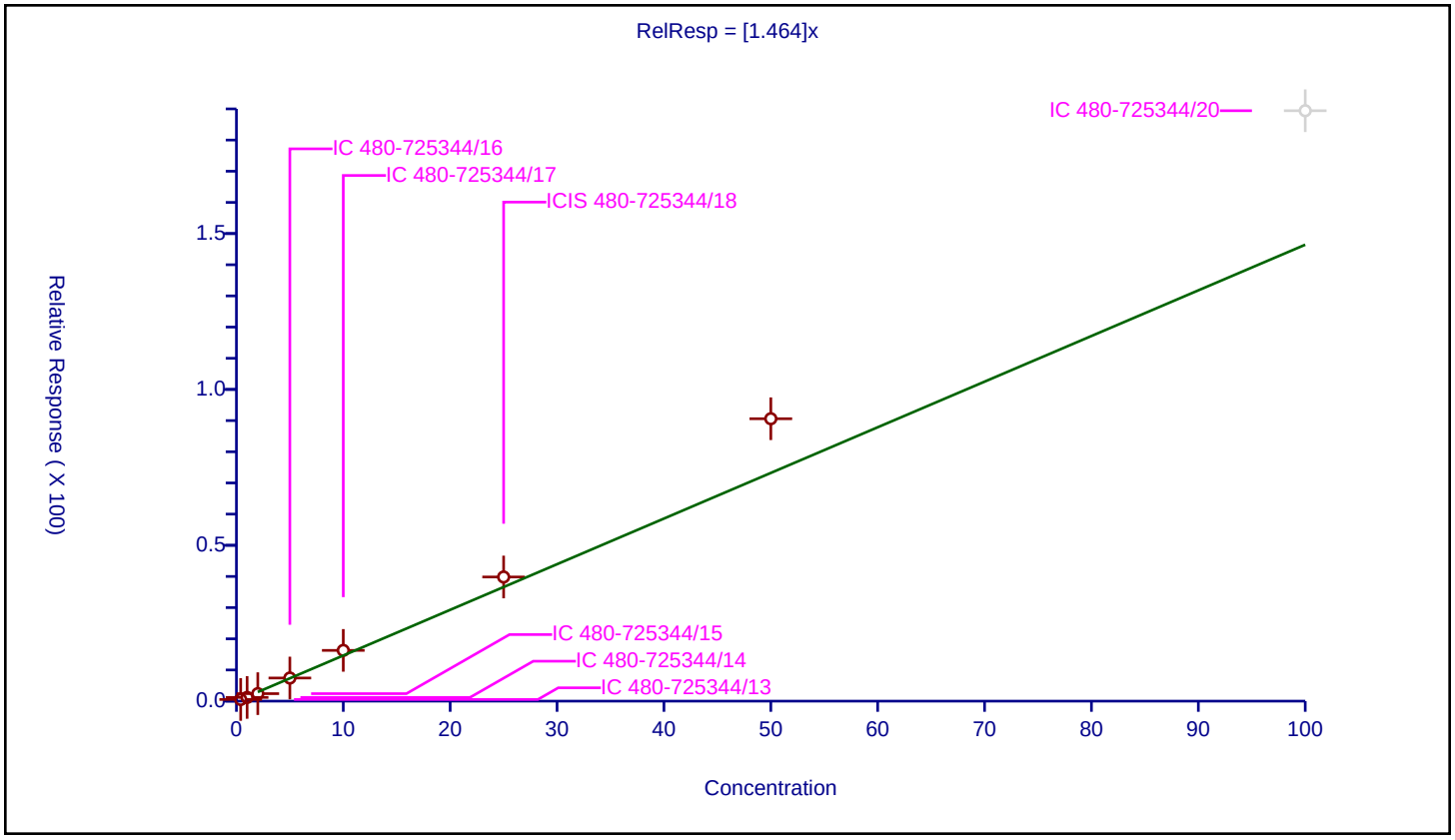
Curve Coefficients

Intercept:	0
Slope:	1.464

Error Coefficients

Relative Standard Deviation:	15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.537663	25.0	171576.0	1.344157	Y
2	IC 480-725344/14	1.0	1.188258	25.0	178728.0	1.188258	Y
3	IC 480-725344/15	2.0	2.401014	25.0	181111.0	1.200507	Y
4	IC 480-725344/16	5.0	7.419392	25.0	173990.0	1.483878	Y
5	IC 480-725344/17	10.0	16.277701	25.0	187356.0	1.62777	Y
6	ICIS 480-725344/18	25.0	39.82977	25.0	184310.0	1.593191	Y
7	IC 480-725344/19	50.0	90.598143	25.0	185357.0	1.811963	Y
8	IC 480-725344/20	100.0	189.409391	25.0	177825.0	1.894094	N



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Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

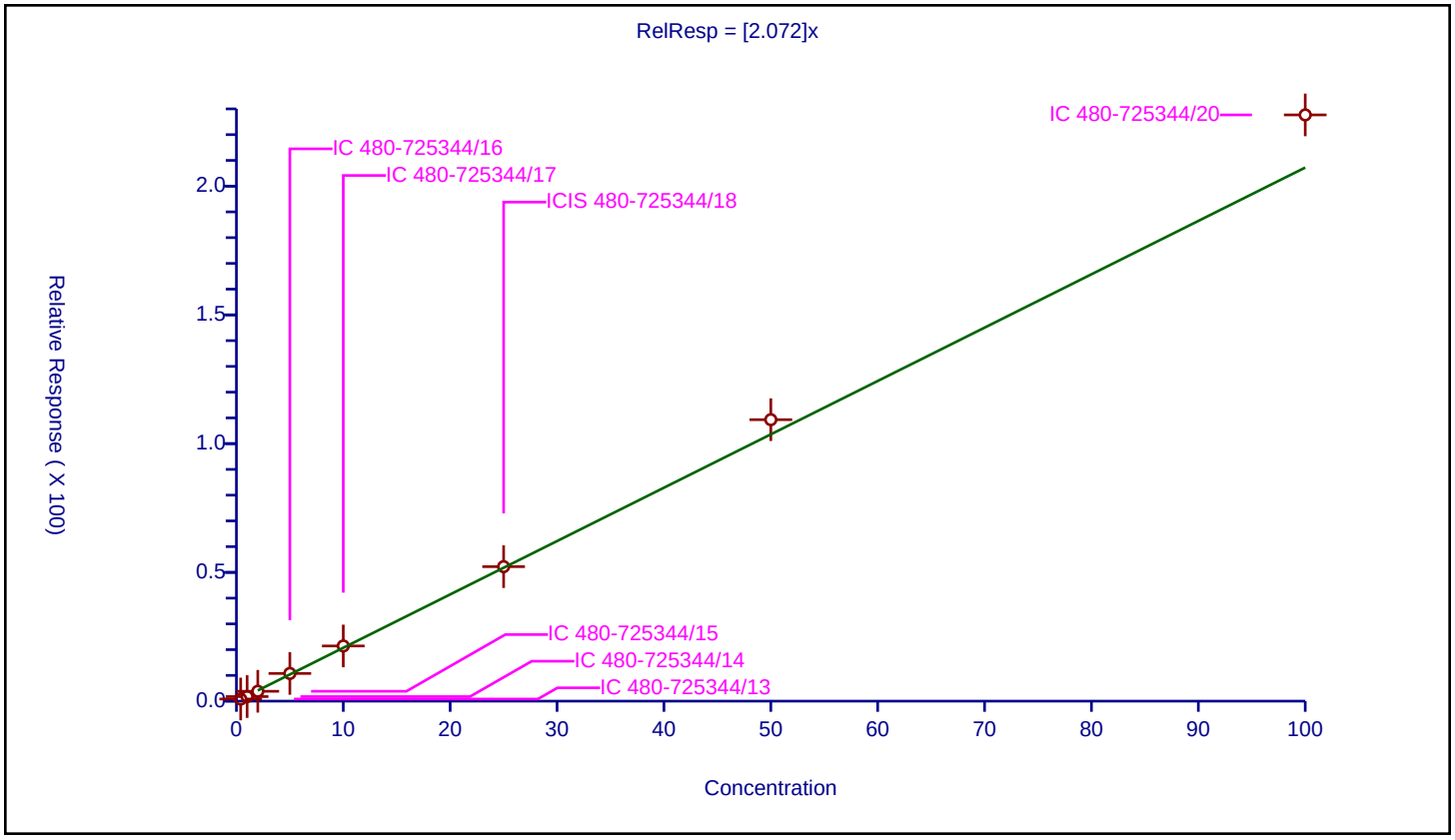
Curve Coefficients

Intercept:	0
Slope:	2.072

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.817713	25.0	171576.0	2.044284	Y
2	IC 480-725344/14	1.0	1.771687	25.0	178728.0	1.771687	Y
3	IC 480-725344/15	2.0	3.83218	25.0	181111.0	1.91609	Y
4	IC 480-725344/16	5.0	10.752342	25.0	173990.0	2.150468	Y
5	IC 480-725344/17	10.0	21.422986	25.0	187356.0	2.142299	Y
6	ICIS 480-725344/18	25.0	52.224513	25.0	184310.0	2.088981	Y
7	IC 480-725344/19	50.0	109.300161	25.0	185357.0	2.186003	Y
8	IC 480-725344/20	100.0	227.6602	25.0	177825.0	2.276602	Y



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Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

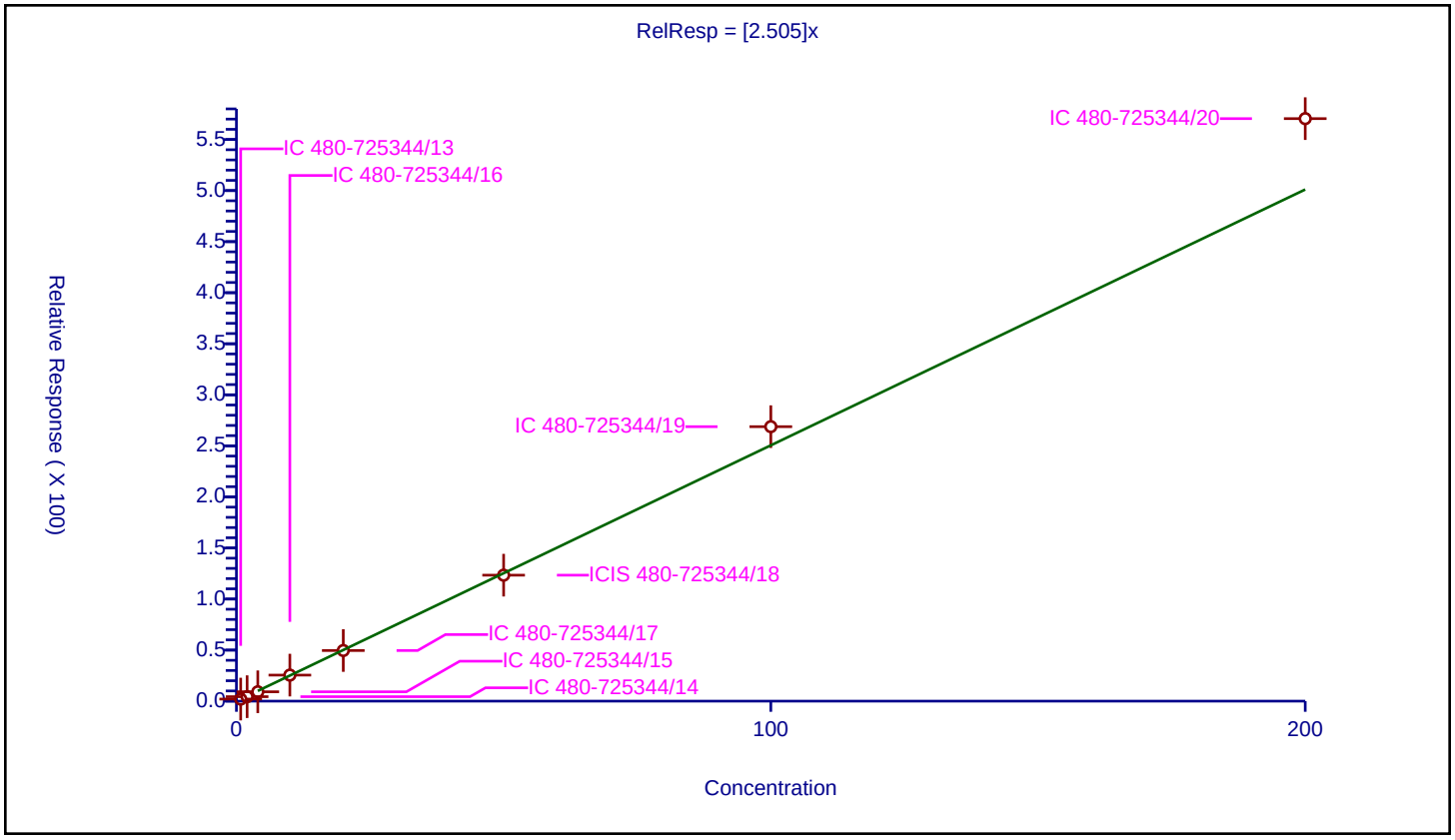
Curve Coefficients

Intercept:	0
Slope:	2.505

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.8	2.02097	25.0	171576.0	2.526213	Y
2	IC 480-725344/14	2.0	4.375504	25.0	178728.0	2.187752	Y
3	IC 480-725344/15	4.0	9.166202	25.0	181111.0	2.29155	Y
4	IC 480-725344/16	10.0	25.502759	25.0	173990.0	2.550276	Y
5	IC 480-725344/17	20.0	49.573673	25.0	187356.0	2.478684	Y
6	ICIS 480-725344/18	50.0	123.367153	25.0	184310.0	2.467343	Y
7	IC 480-725344/19	100.0	268.79171	25.0	185357.0	2.687917	Y
8	IC 480-725344/20	200.0	570.45705	25.0	177825.0	2.852285	Y



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Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

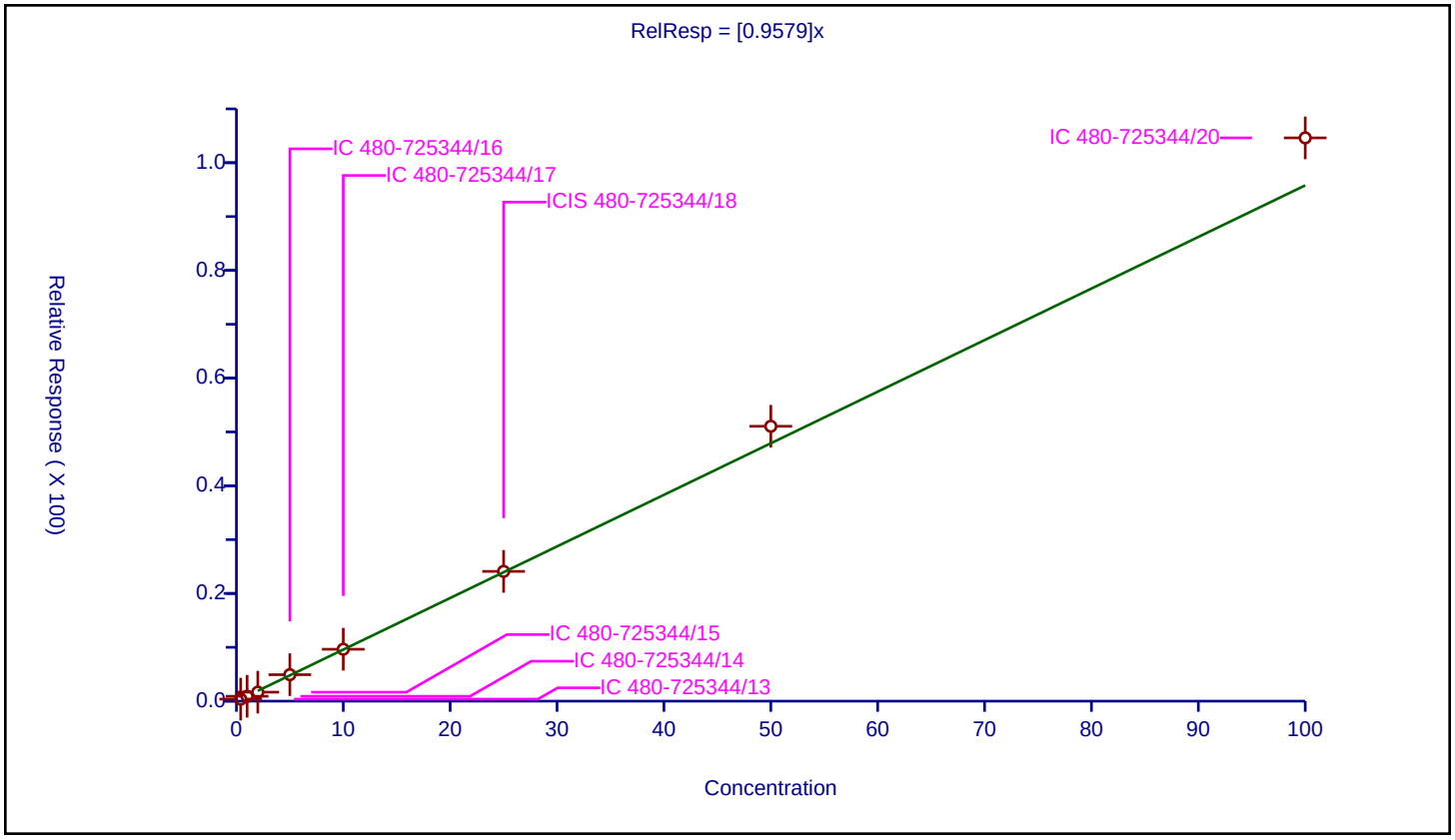
Curve Coefficients

Intercept:	0
Slope:	0.9579

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.377092	25.0	171576.0	0.942731	Y
2	IC 480-725344/14	1.0	0.906685	25.0	178728.0	0.906685	Y
3	IC 480-725344/15	2.0	1.670384	25.0	181111.0	0.835192	Y
4	IC 480-725344/16	5.0	4.916087	25.0	173990.0	0.983217	Y
5	IC 480-725344/17	10.0	9.64007	25.0	187356.0	0.964007	Y
6	ICIS 480-725344/18	25.0	24.100157	25.0	184310.0	0.964006	Y
7	IC 480-725344/19	50.0	51.05135	25.0	185357.0	1.021027	Y
8	IC 480-725344/20	100.0	104.610853	25.0	177825.0	1.046109	Y



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Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

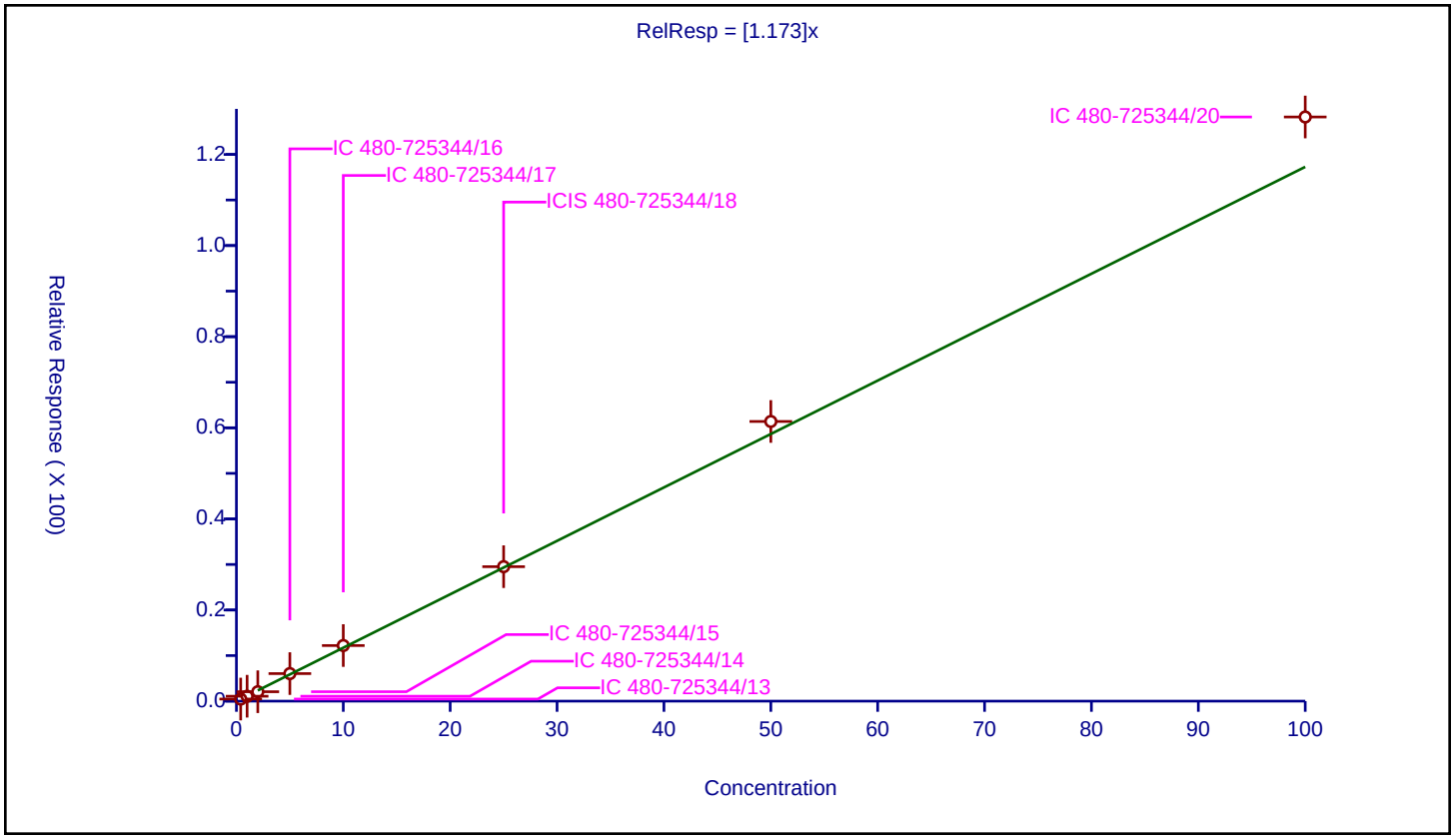
Curve Coefficients

Intercept:	0
Slope:	1.173

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.460146	25.0	171576.0	1.150365	Y
2	IC 480-725344/14	1.0	1.078594	25.0	178728.0	1.078594	Y
3	IC 480-725344/15	2.0	2.065446	25.0	181111.0	1.032723	Y
4	IC 480-725344/16	5.0	6.046181	25.0	173990.0	1.209236	Y
5	IC 480-725344/17	10.0	12.201638	25.0	187356.0	1.220164	Y
6	ICIS 480-725344/18	25.0	29.512913	25.0	184310.0	1.180517	Y
7	IC 480-725344/19	50.0	61.38762	25.0	185357.0	1.227752	Y
8	IC 480-725344/20	100.0	128.224518	25.0	177825.0	1.282245	Y



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Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

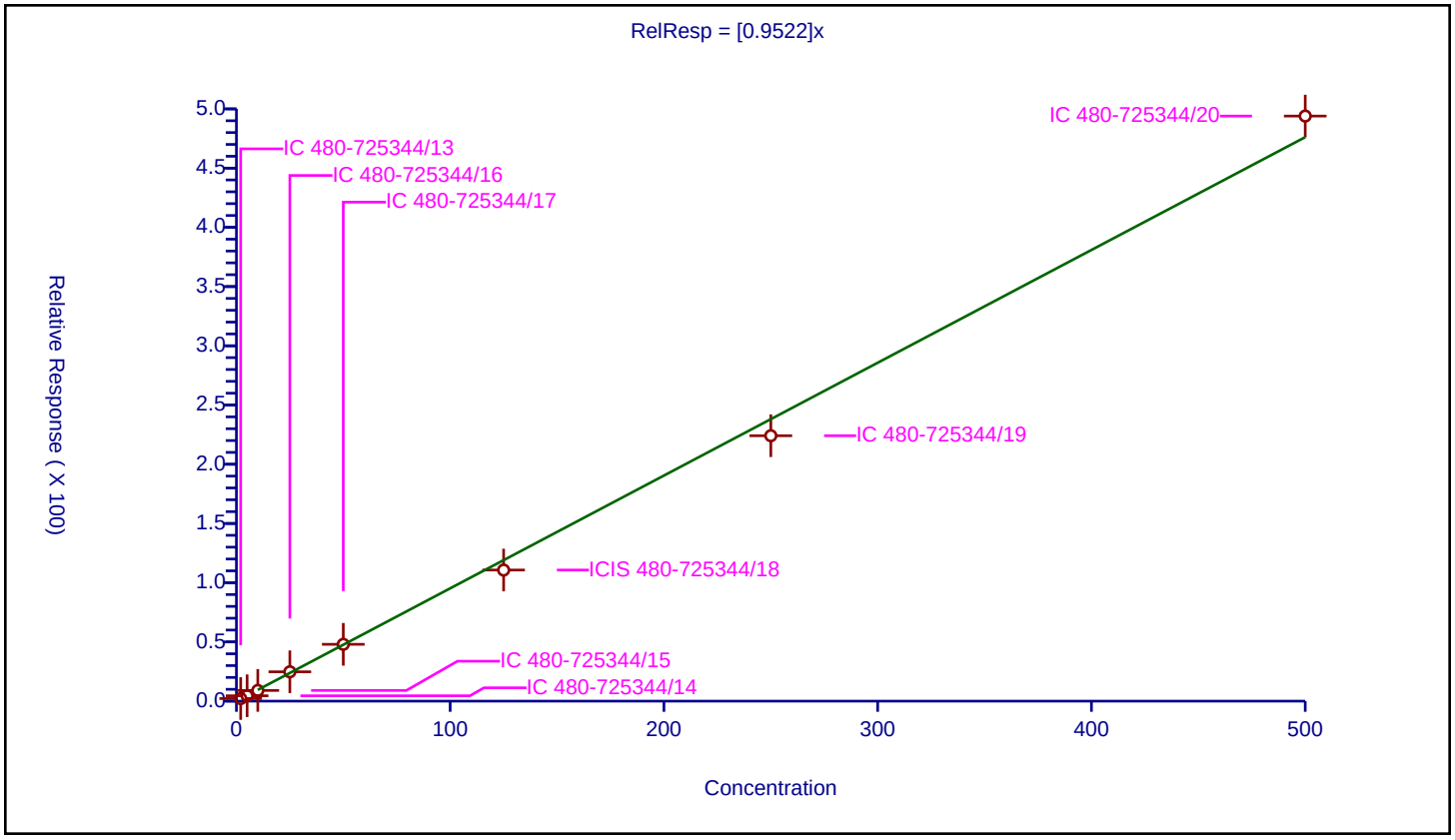
Curve Coefficients

Intercept:	0
Slope:	0.9522

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	2.0	2.182706	25.0	171576.0	1.091353	Y
2	IC 480-725344/14	5.0	4.524753	25.0	178728.0	0.904951	Y
3	IC 480-725344/15	10.0	9.019055	25.0	181111.0	0.901905	Y
4	IC 480-725344/16	25.0	24.771682	25.0	173990.0	0.990867	Y
5	IC 480-725344/17	50.0	47.965638	25.0	187356.0	0.959313	Y
6	ICIS 480-725344/18	125.0	110.673729	25.0	184310.0	0.88539	Y
7	IC 480-725344/19	250.0	224.068959	25.0	185357.0	0.896276	Y
8	IC 480-725344/20	500.0	493.95684	25.0	177825.0	0.987914	Y



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Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

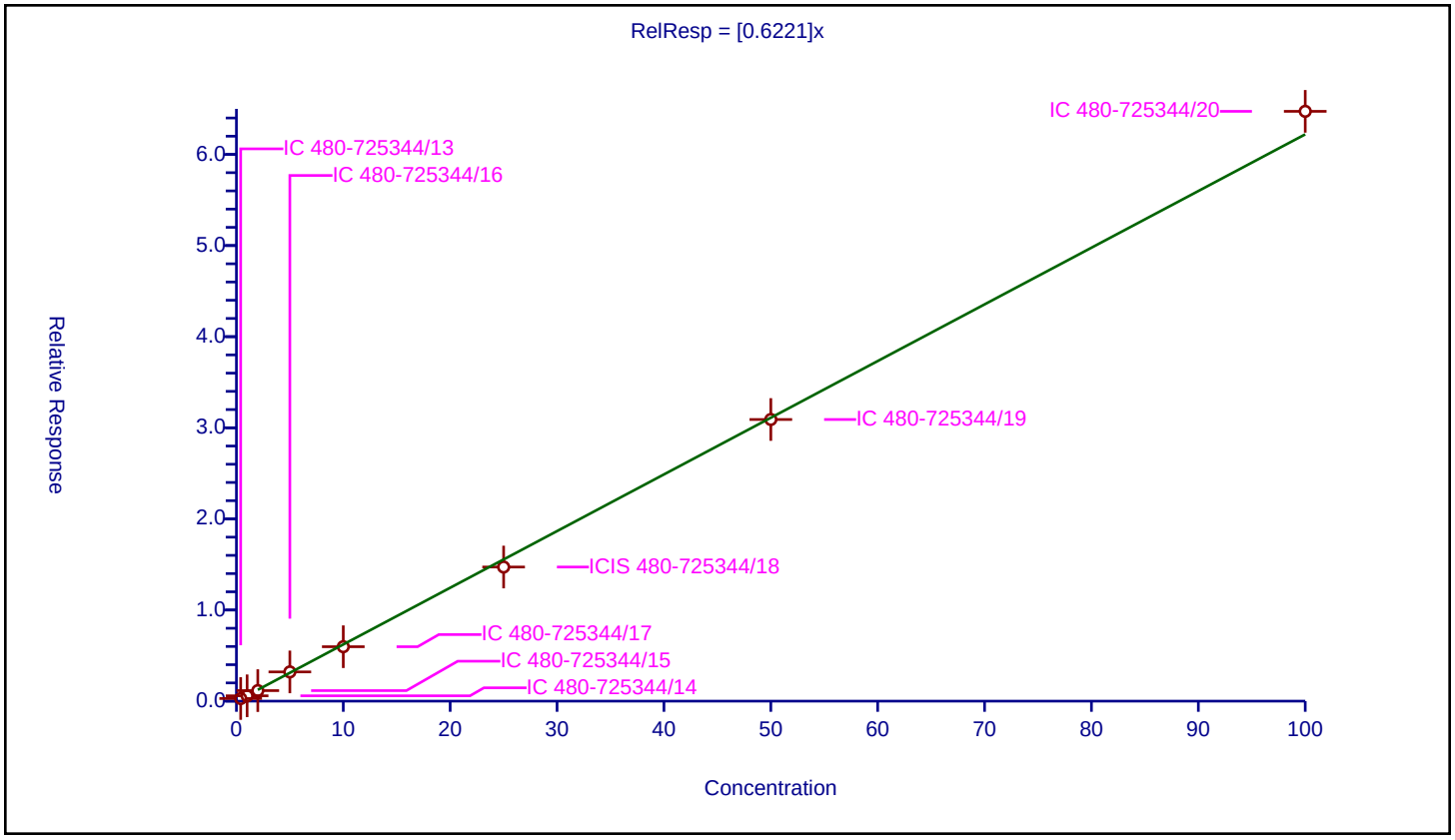
Curve Coefficients

Intercept:	0
Slope:	0.6221

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.28821	25.0	171576.0	0.720526	Y
2	IC 480-725344/14	1.0	0.585107	25.0	178728.0	0.585107	Y
3	IC 480-725344/15	2.0	1.154817	25.0	181111.0	0.577408	Y
4	IC 480-725344/16	5.0	3.208374	25.0	173990.0	0.641675	Y
5	IC 480-725344/17	10.0	5.974722	25.0	187356.0	0.597472	Y
6	ICIS 480-725344/18	25.0	14.719359	25.0	184310.0	0.588774	Y
7	IC 480-725344/19	50.0	30.909812	25.0	185357.0	0.618196	Y
8	IC 480-725344/20	100.0	64.73204	25.0	177825.0	0.64732	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

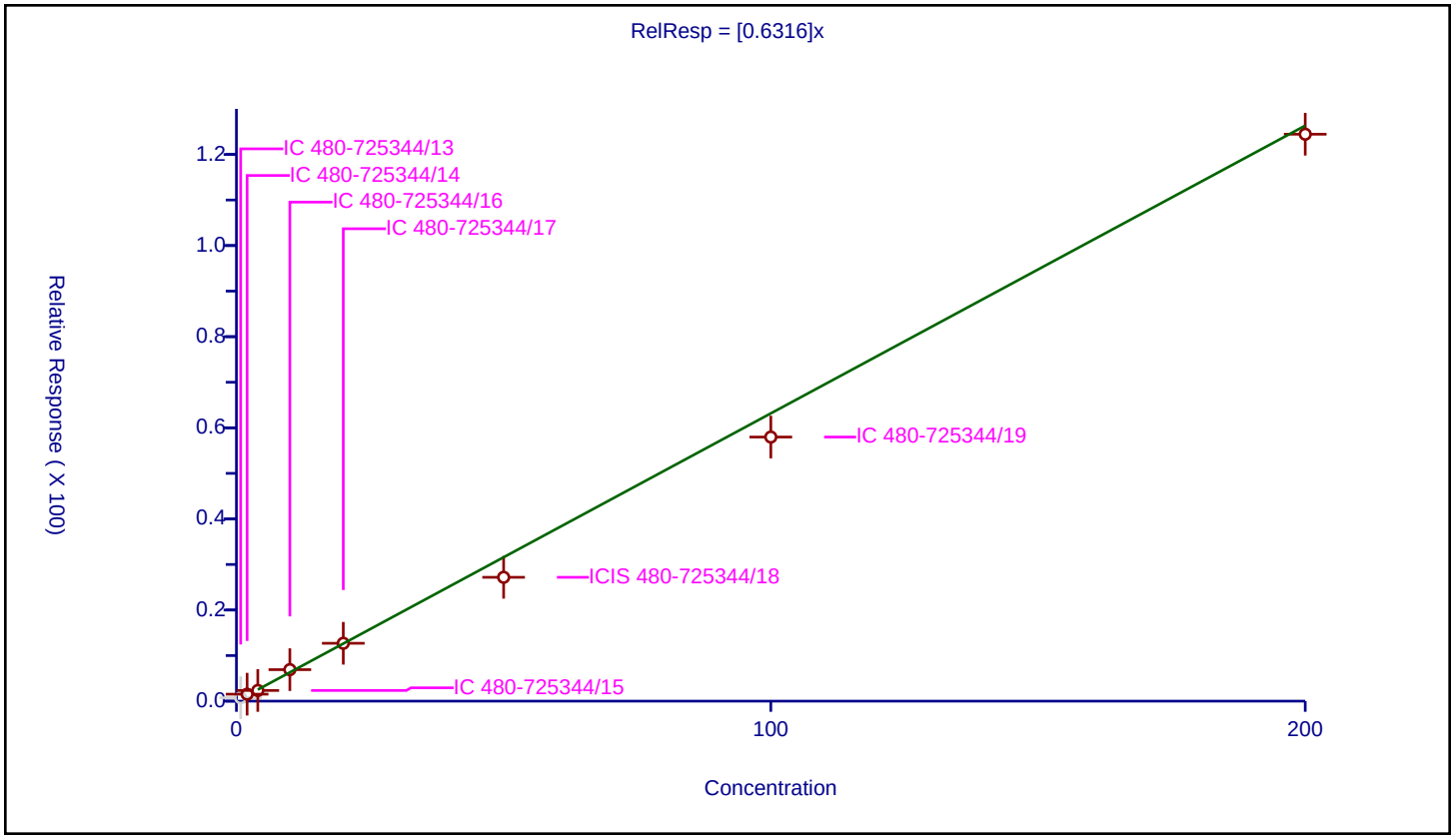
Curve Coefficients

Intercept:	0
Slope:	0.6316

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.8	0.744422	25.0	171576.0	0.930528	N
2	IC 480-725344/14	2.0	1.52816	25.0	178728.0	0.76408	Y
3	IC 480-725344/15	4.0	2.343038	25.0	181111.0	0.58576	Y
4	IC 480-725344/16	10.0	6.911173	25.0	173990.0	0.691117	Y
5	IC 480-725344/17	20.0	12.698152	25.0	187356.0	0.634908	Y
6	ICIS 480-725344/18	50.0	27.182464	25.0	184310.0	0.543649	Y
7	IC 480-725344/19	100.0	57.969891	25.0	185357.0	0.579699	Y
8	IC 480-725344/20	200.0	124.439899	25.0	177825.0	0.622199	Y



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Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

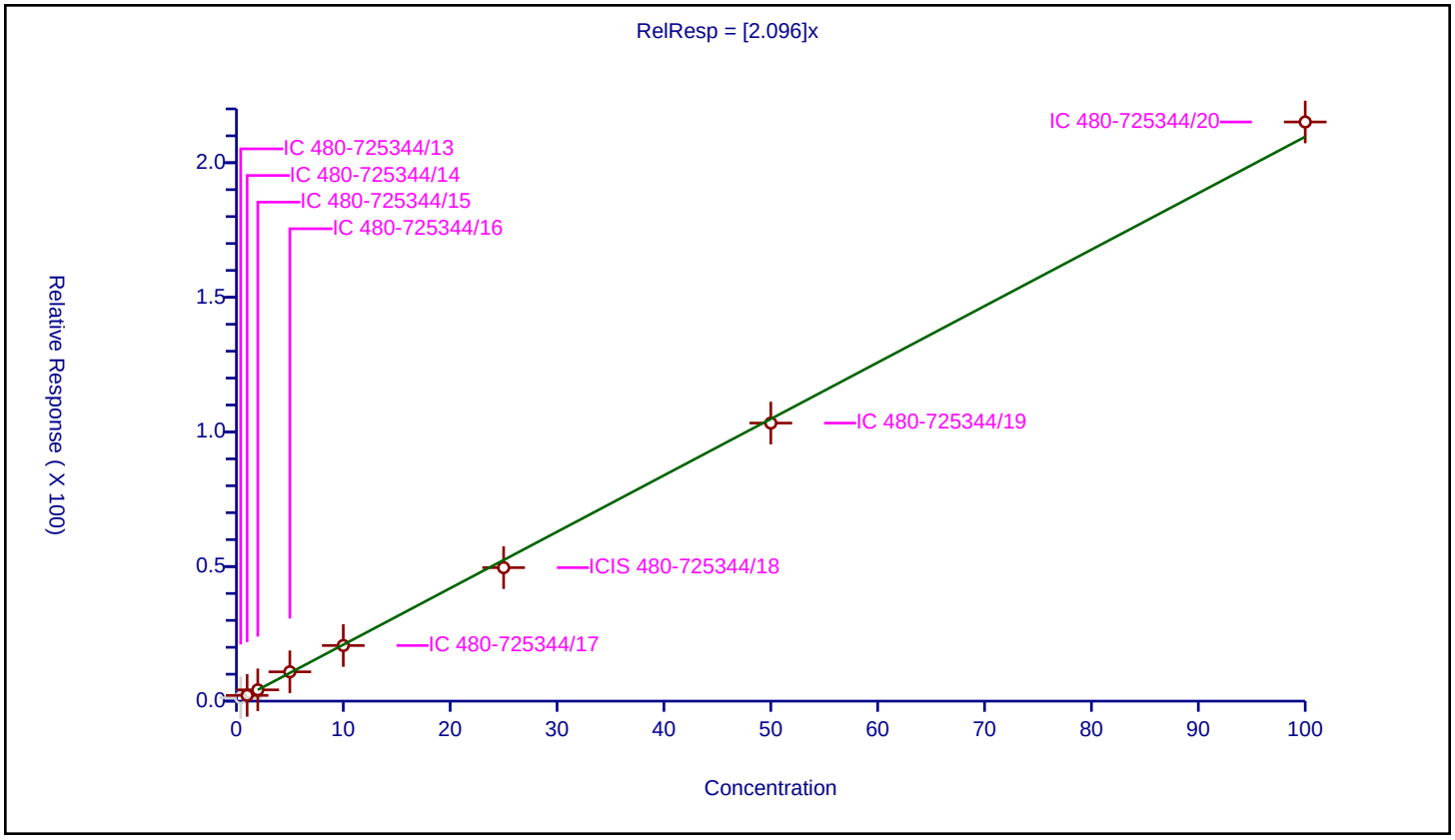
Curve Coefficients

Intercept:	0
Slope:	2.096

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	1.25644	25.0	171576.0	3.141101	N
2	IC 480-725344/14	1.0	2.133969	25.0	178728.0	2.133969	Y
3	IC 480-725344/15	2.0	4.193009	25.0	181111.0	2.096504	Y
4	IC 480-725344/16	5.0	10.886545	25.0	173990.0	2.177309	Y
5	IC 480-725344/17	10.0	20.667072	25.0	187356.0	2.066707	Y
6	ICIS 480-725344/18	25.0	49.587244	25.0	184310.0	1.98349	Y
7	IC 480-725344/19	50.0	103.293779	25.0	185357.0	2.065876	Y
8	IC 480-725344/20	100.0	215.145789	25.0	177825.0	2.151458	Y



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Calibration / 1,1,1-Trichloroethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

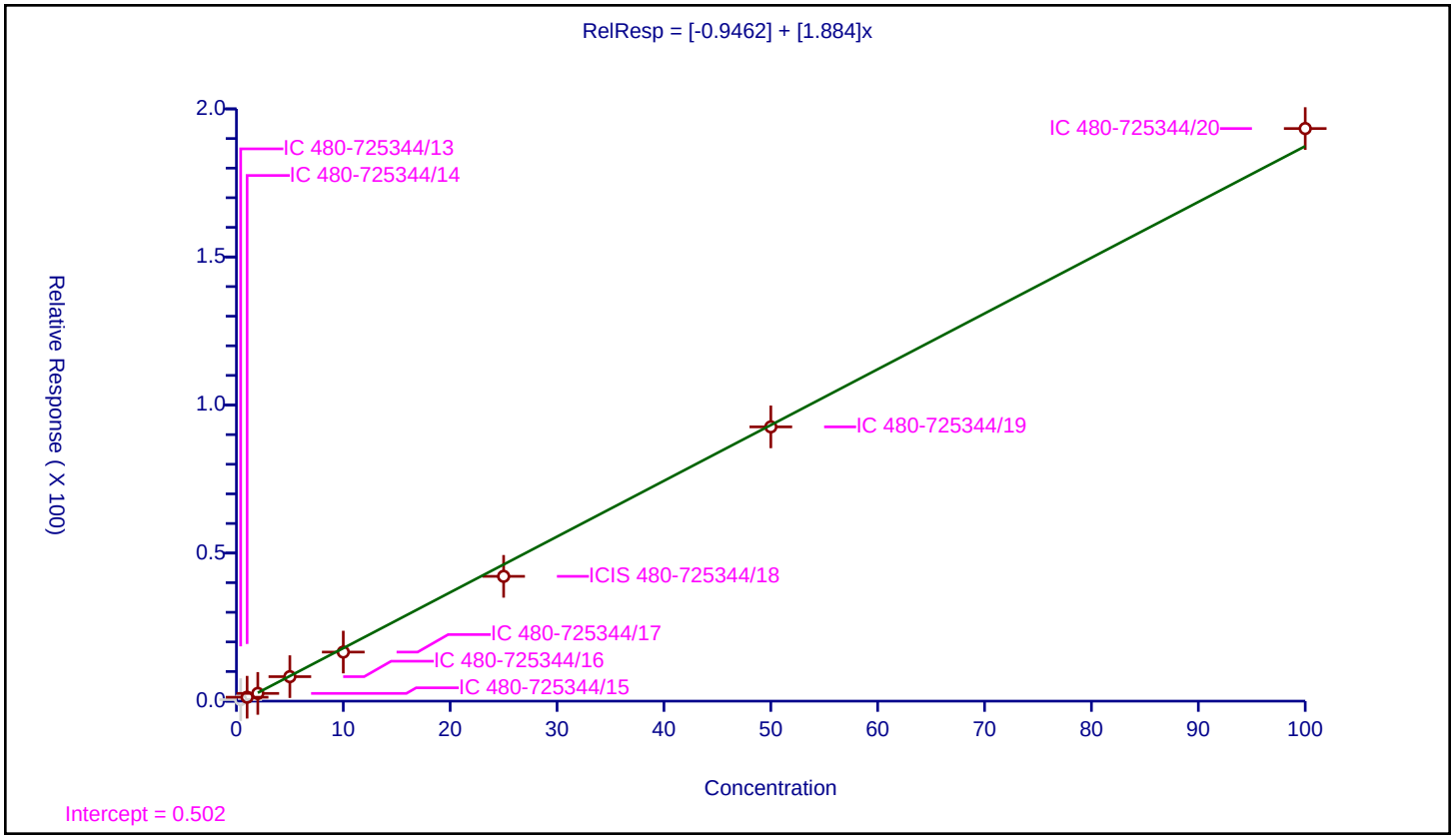
Curve Coefficients

Intercept:	-0.9462
Slope:	1.884

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.514495	25.0	171576.0	1.286238	N
2	IC 480-725344/14	1.0	1.325897	25.0	178728.0	1.325897	Y
3	IC 480-725344/15	2.0	2.6129	25.0	181111.0	1.30645	Y
4	IC 480-725344/16	5.0	8.271021	25.0	173990.0	1.654204	Y
5	IC 480-725344/17	10.0	16.574596	25.0	187356.0	1.65746	Y
6	ICIS 480-725344/18	25.0	42.139195	25.0	184310.0	1.685568	Y
7	IC 480-725344/19	50.0	92.619917	25.0	185357.0	1.852398	Y
8	IC 480-725344/20	100.0	193.362576	25.0	177825.0	1.933626	Y



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Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

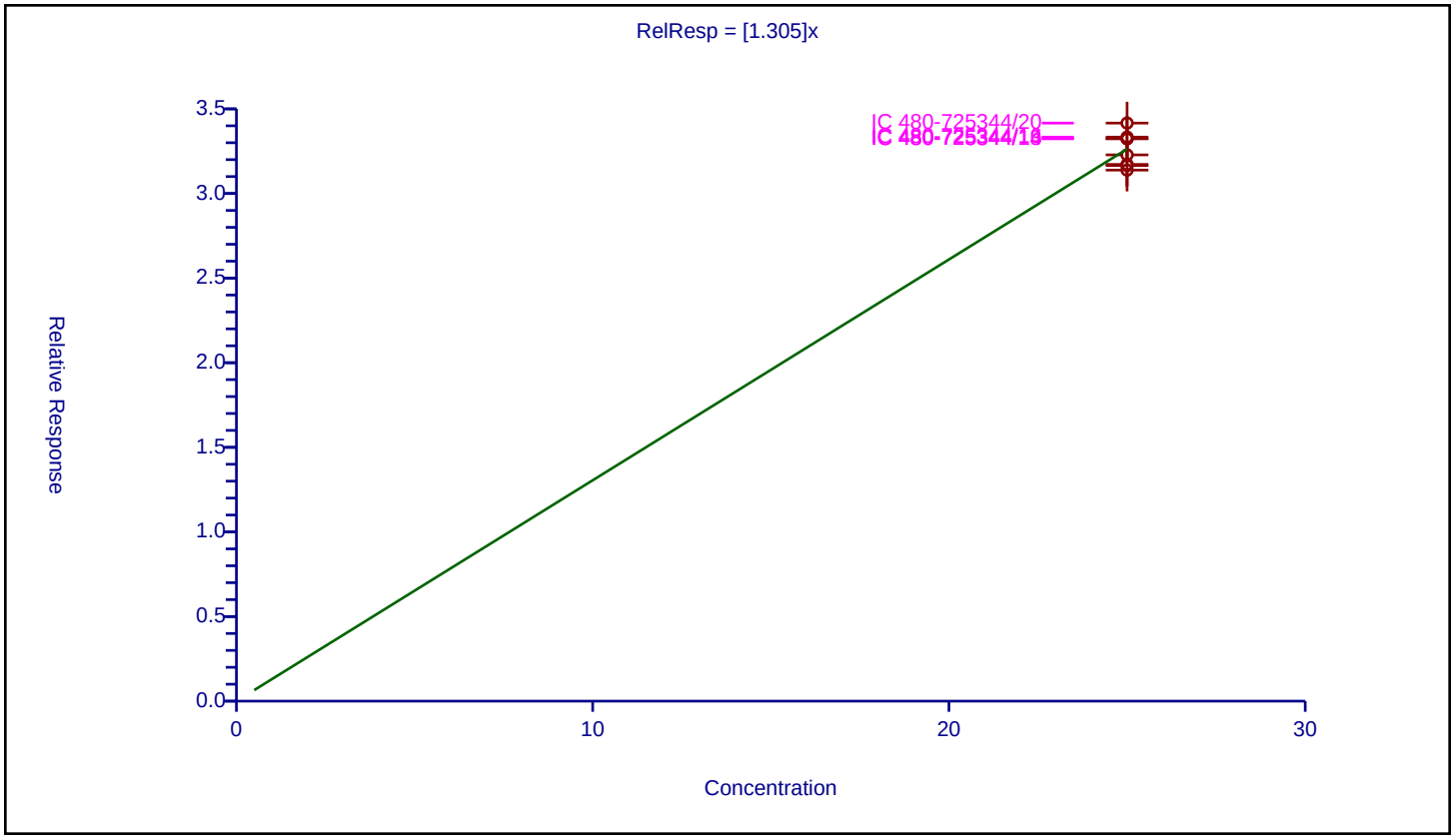
Curve Coefficients

Intercept:	0
Slope:	1.305

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	25.0	33.24008	25.0	171576.0	1.329603	Y
2	IC 480-725344/14	25.0	33.239056	25.0	178728.0	1.329562	Y
3	IC 480-725344/15	25.0	31.383378	25.0	181111.0	1.255335	Y
4	IC 480-725344/16	25.0	33.33137	25.0	173990.0	1.333255	Y
5	IC 480-725344/17	25.0	31.716225	25.0	187356.0	1.268649	Y
6	ICIS 480-725344/18	25.0	31.651565	25.0	184310.0	1.266063	Y
7	IC 480-725344/19	25.0	32.281489	25.0	185357.0	1.29126	Y
8	IC 480-725344/20	25.0	34.161816	25.0	177825.0	1.366473	Y



Calibration / Cyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

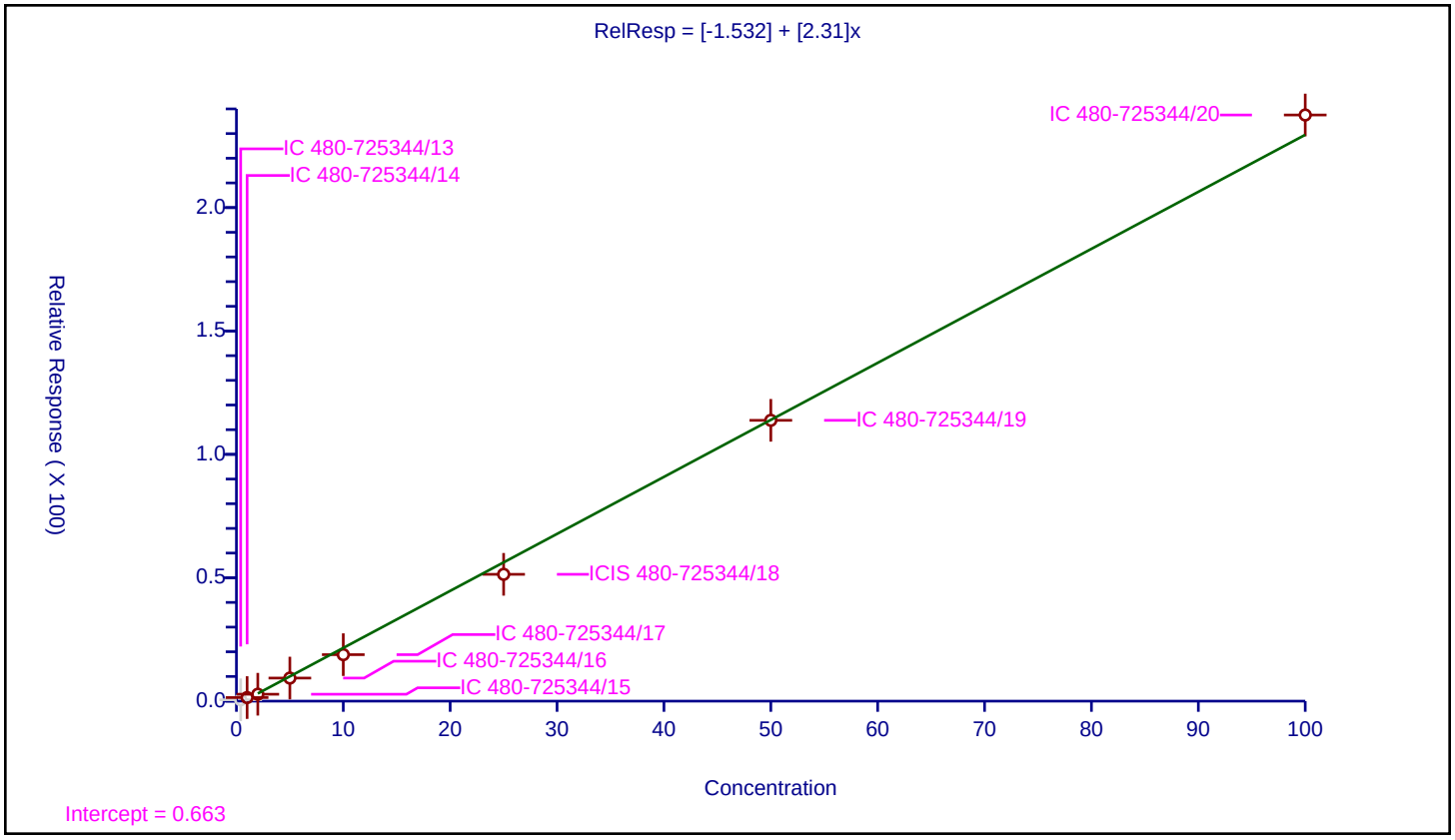
Curve Coefficients

Intercept:	-1.532
Slope:	2.31

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.559082	25.0	171576.0	1.397704	N
2	IC 480-725344/14	1.0	1.447451	25.0	178728.0	1.447451	Y
3	IC 480-725344/15	2.0	2.798836	25.0	181111.0	1.399418	Y
4	IC 480-725344/16	5.0	9.348813	25.0	173990.0	1.869763	Y
5	IC 480-725344/17	10.0	18.8374	25.0	187356.0	1.88374	Y
6	ICIS 480-725344/18	25.0	51.392627	25.0	184310.0	2.055705	Y
7	IC 480-725344/19	50.0	113.796754	25.0	185357.0	2.275935	Y
8	IC 480-725344/20	100.0	237.529875	25.0	177825.0	2.375299	Y



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Calibration / Carbon tetrachloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

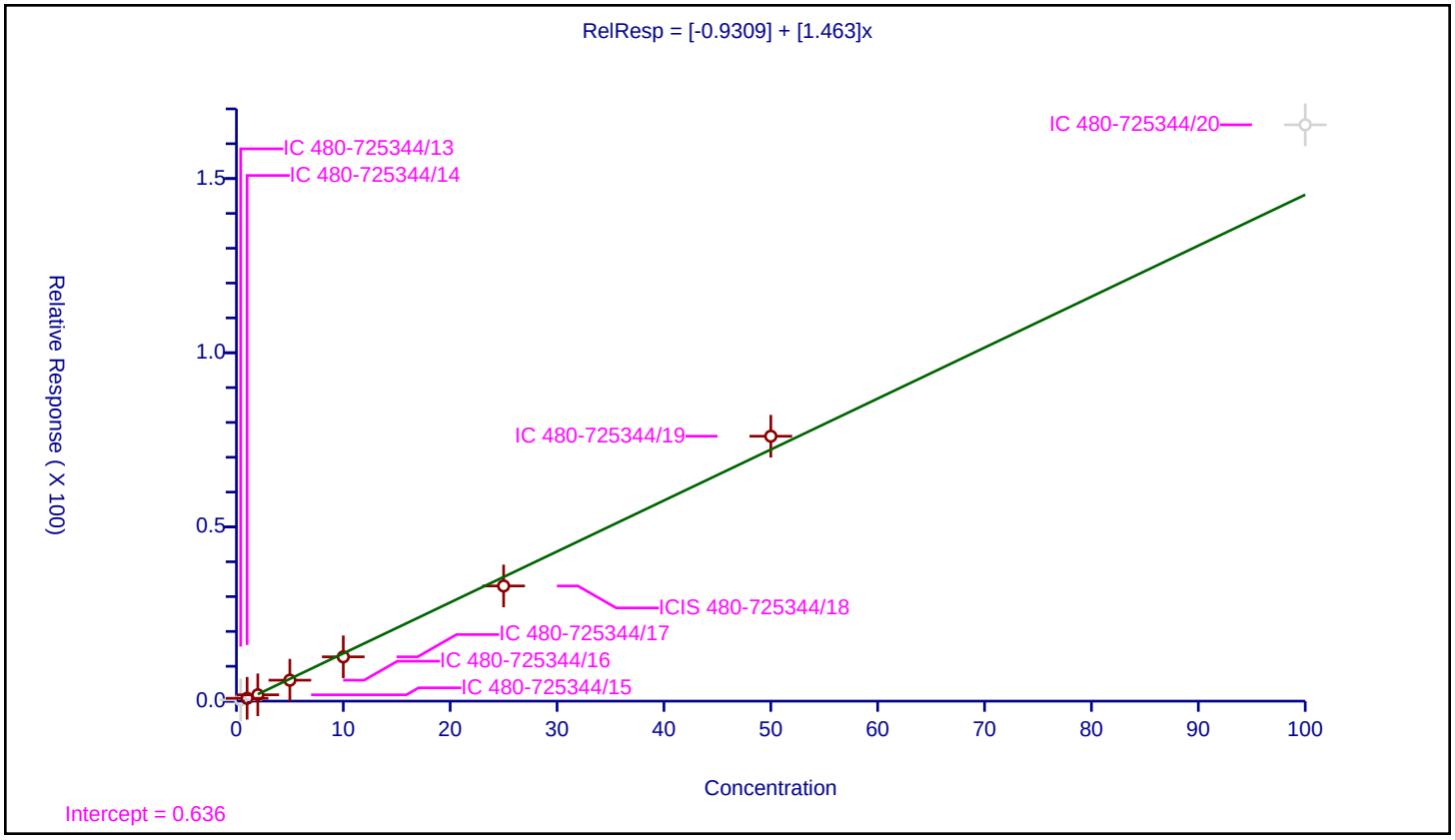
Curve Coefficients

Intercept:	-0.9309
Slope:	1.463

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.371555	25.0	171576.0	0.928889	N
2	IC 480-725344/14	1.0	0.82066	25.0	178728.0	0.82066	Y
3	IC 480-725344/15	2.0	1.81767	25.0	181111.0	0.908835	Y
4	IC 480-725344/16	5.0	6.00911	25.0	173990.0	1.201822	Y
5	IC 480-725344/17	10.0	12.713764	25.0	187356.0	1.271376	Y
6	ICIS 480-725344/18	25.0	33.063453	25.0	184310.0	1.322538	Y
7	IC 480-725344/19	50.0	76.042178	25.0	185357.0	1.520844	Y
8	IC 480-725344/20	100.0	165.425137	25.0	177825.0	1.654251	N



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Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

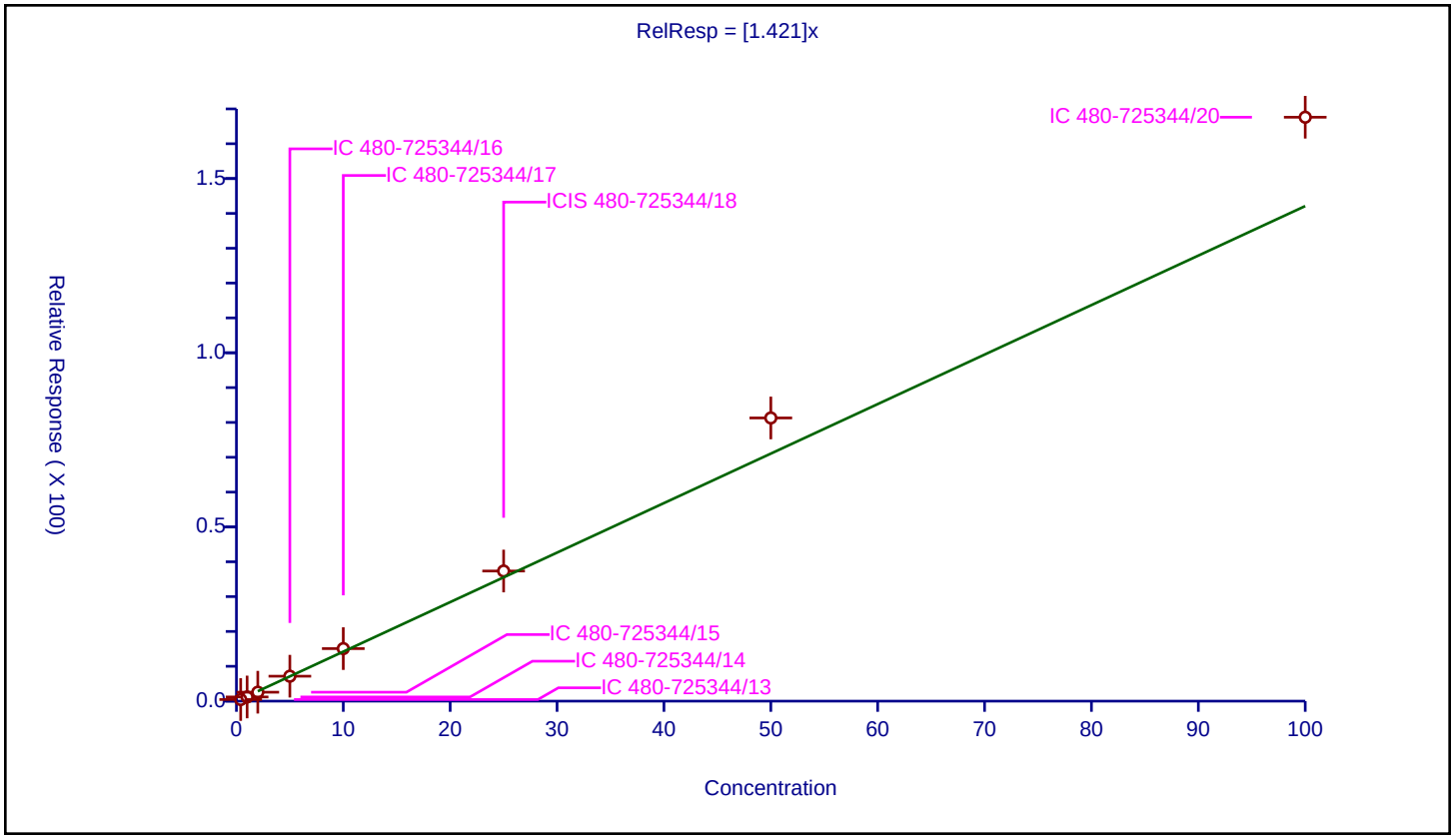
Curve Coefficients

Intercept:	0
Slope:	1.421

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.461166	25.0	171576.0	1.152915	Y
2	IC 480-725344/14	1.0	1.196791	25.0	178728.0	1.196791	Y
3	IC 480-725344/15	2.0	2.567072	25.0	181111.0	1.283536	Y
4	IC 480-725344/16	5.0	7.158314	25.0	173990.0	1.431663	Y
5	IC 480-725344/17	10.0	15.076912	25.0	187356.0	1.507691	Y
6	ICIS 480-725344/18	25.0	37.348896	25.0	184310.0	1.493956	Y
7	IC 480-725344/19	50.0	81.289889	25.0	185357.0	1.625798	Y
8	IC 480-725344/20	100.0	167.605089	25.0	177825.0	1.676051	Y



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Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

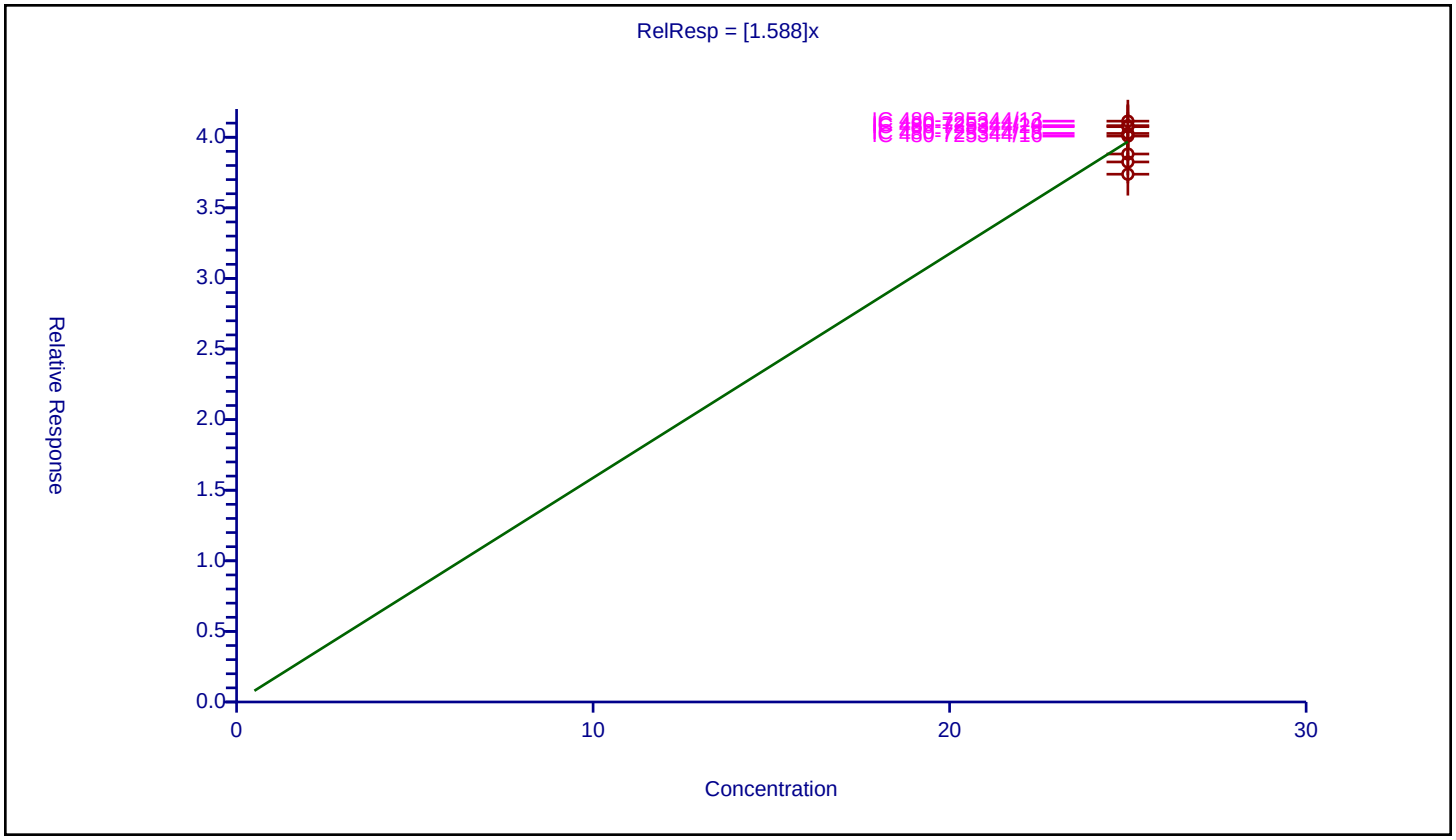
Curve Coefficients

Intercept:	0
Slope:	1.588

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	25.0	41.140515	25.0	171576.0	1.645621	Y
2	IC 480-725344/14	25.0	40.822926	25.0	178728.0	1.632917	Y
3	IC 480-725344/15	25.0	40.268951	25.0	181111.0	1.610758	Y
4	IC 480-725344/16	25.0	40.082476	25.0	173990.0	1.603299	Y
5	IC 480-725344/17	25.0	37.380975	25.0	187356.0	1.495239	Y
6	ICIS 480-725344/18	25.0	38.250909	25.0	184310.0	1.530036	Y
7	IC 480-725344/19	25.0	38.814288	25.0	185357.0	1.552572	Y
8	IC 480-725344/20	25.0	40.746802	25.0	177825.0	1.629872	Y



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Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

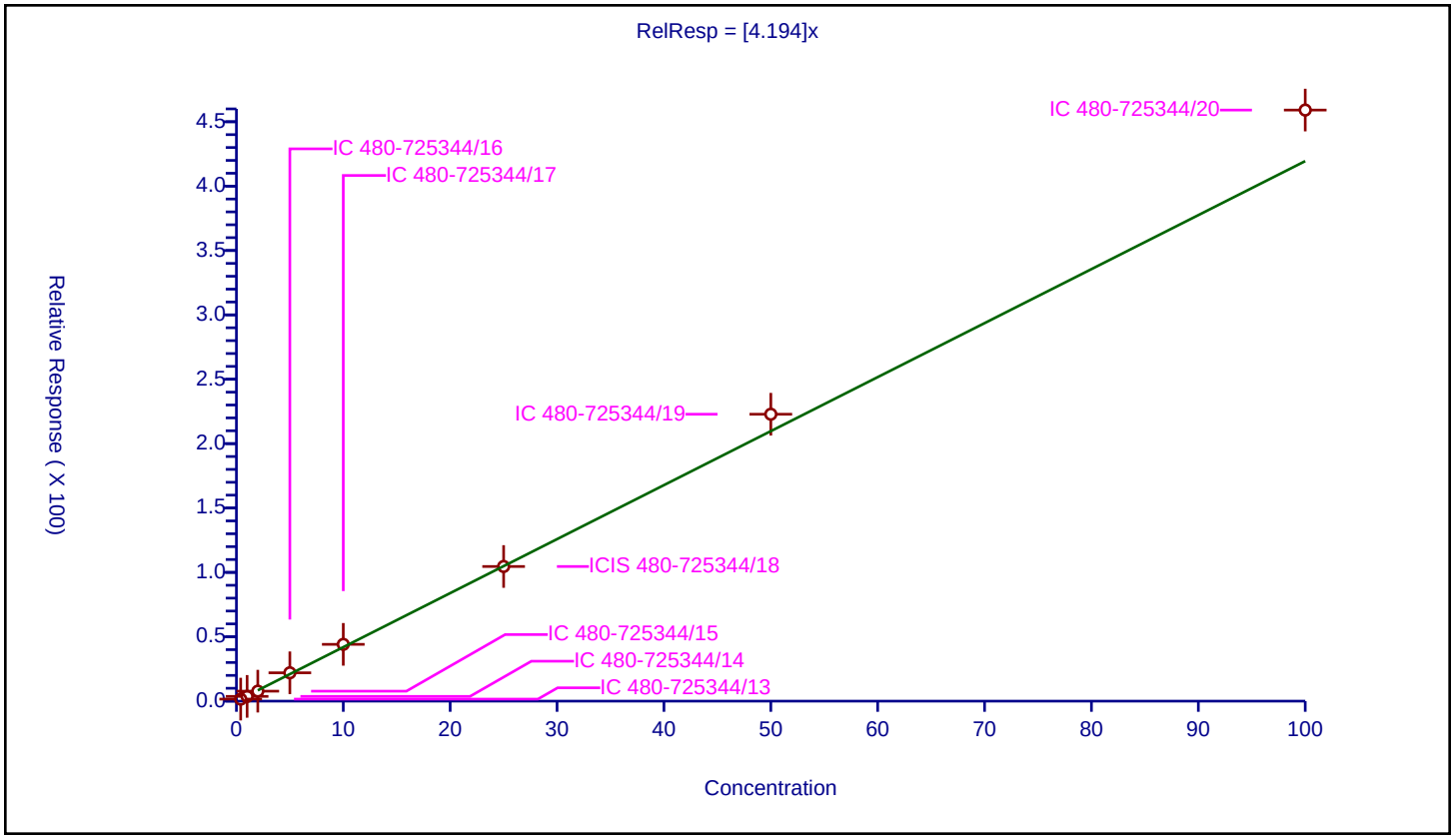
Curve Coefficients

Intercept:	0
Slope:	4.194

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	1.575978	25.0	171576.0	3.939945	Y
2	IC 480-725344/14	1.0	3.698637	25.0	178728.0	3.698637	Y
3	IC 480-725344/15	2.0	7.741385	25.0	181111.0	3.870693	Y
4	IC 480-725344/16	5.0	22.010748	25.0	173990.0	4.40215	Y
5	IC 480-725344/17	10.0	44.115214	25.0	187356.0	4.411521	Y
6	ICIS 480-725344/18	25.0	104.581547	25.0	184310.0	4.183262	Y
7	IC 480-725344/19	50.0	222.851578	25.0	185357.0	4.457032	Y
8	IC 480-725344/20	100.0	459.094334	25.0	177825.0	4.590943	Y



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Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

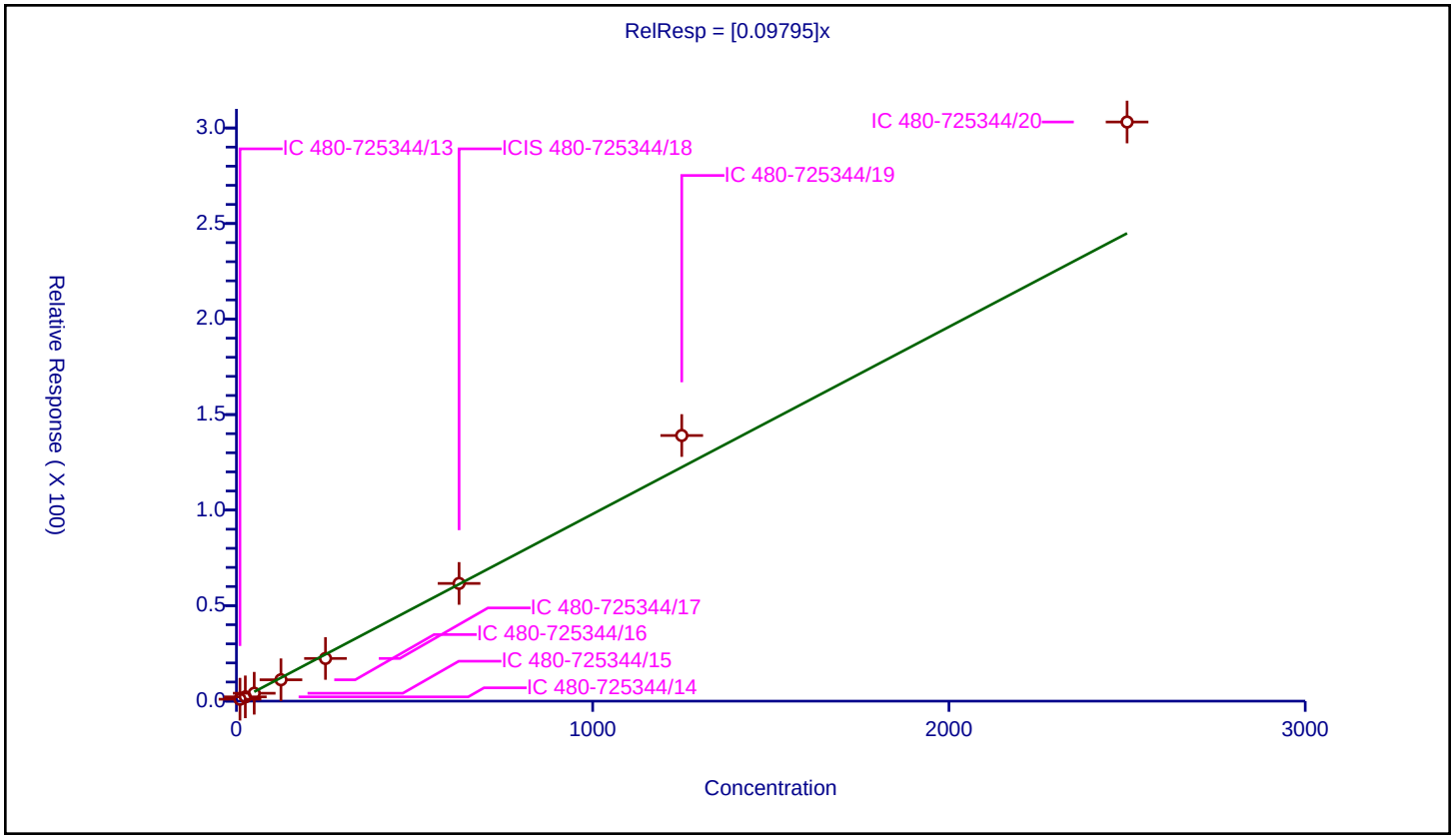
Curve Coefficients

Intercept:	0
Slope:	0.09795

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	10.0	1.015585	25.0	171576.0	0.101558	Y
2	IC 480-725344/14	25.0	2.233701	25.0	178728.0	0.089348	Y
3	IC 480-725344/15	50.0	4.135861	25.0	181111.0	0.082717	Y
4	IC 480-725344/16	125.0	11.193603	25.0	173990.0	0.089549	Y
5	IC 480-725344/17	250.0	22.344761	25.0	187356.0	0.089379	Y
6	ICIS 480-725344/18	625.0	61.615349	25.0	184310.0	0.098585	Y
7	IC 480-725344/19	1250.0	139.041822	25.0	185357.0	0.111233	Y
8	IC 480-725344/20	2500.0	303.134964	25.0	177825.0	0.121254	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

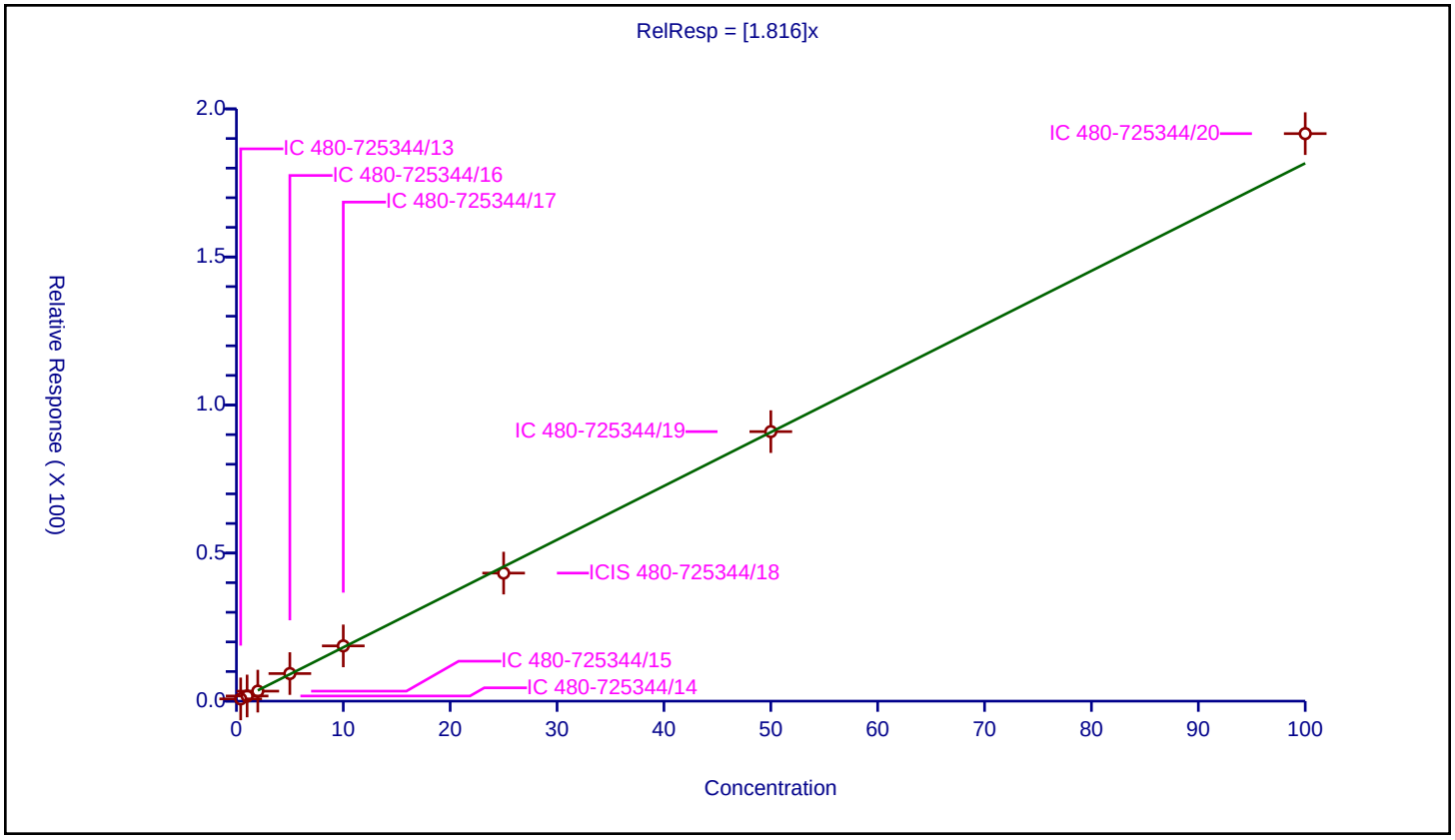
Curve Coefficients

Intercept:	0
Slope:	1.816

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.764384	25.0	171576.0	1.910961	Y
2	IC 480-725344/14	1.0	1.735878	25.0	178728.0	1.735878	Y
3	IC 480-725344/15	2.0	3.379557	25.0	181111.0	1.689779	Y
4	IC 480-725344/16	5.0	9.312317	25.0	173990.0	1.862463	Y
5	IC 480-725344/17	10.0	18.654994	25.0	187356.0	1.865499	Y
6	ICIS 480-725344/18	25.0	43.238023	25.0	184310.0	1.729521	Y
7	IC 480-725344/19	50.0	91.019087	25.0	185357.0	1.820382	Y
8	IC 480-725344/20	100.0	191.647687	25.0	177825.0	1.916477	Y



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Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

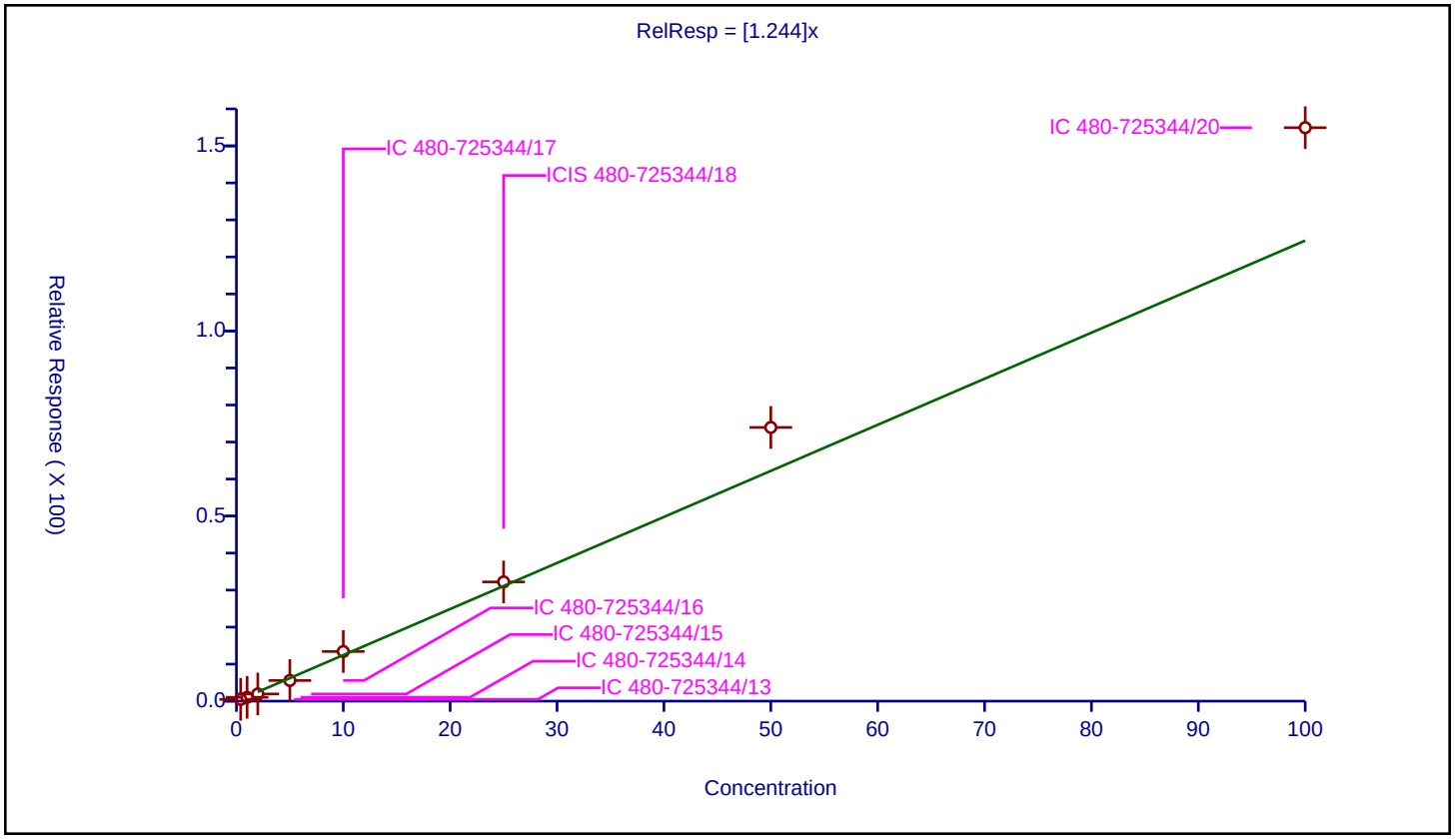
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Relative Standard Deviation:	16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.470346	25.0	171576.0	1.175864	Y
2	IC 480-725344/14	1.0	1.033694	25.0	178728.0	1.033694	Y
3	IC 480-725344/15	2.0	1.93859	25.0	181111.0	0.969295	Y
4	IC 480-725344/16	5.0	5.583223	25.0	173990.0	1.116645	Y
5	IC 480-725344/17	10.0	13.413768	25.0	187356.0	1.341377	Y
6	ICIS 480-725344/18	25.0	32.21122	25.0	184310.0	1.288449	Y
7	IC 480-725344/19	50.0	73.945683	25.0	185357.0	1.478914	Y
8	IC 480-725344/20	100.0	154.92113	25.0	177825.0	1.549211	Y



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Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

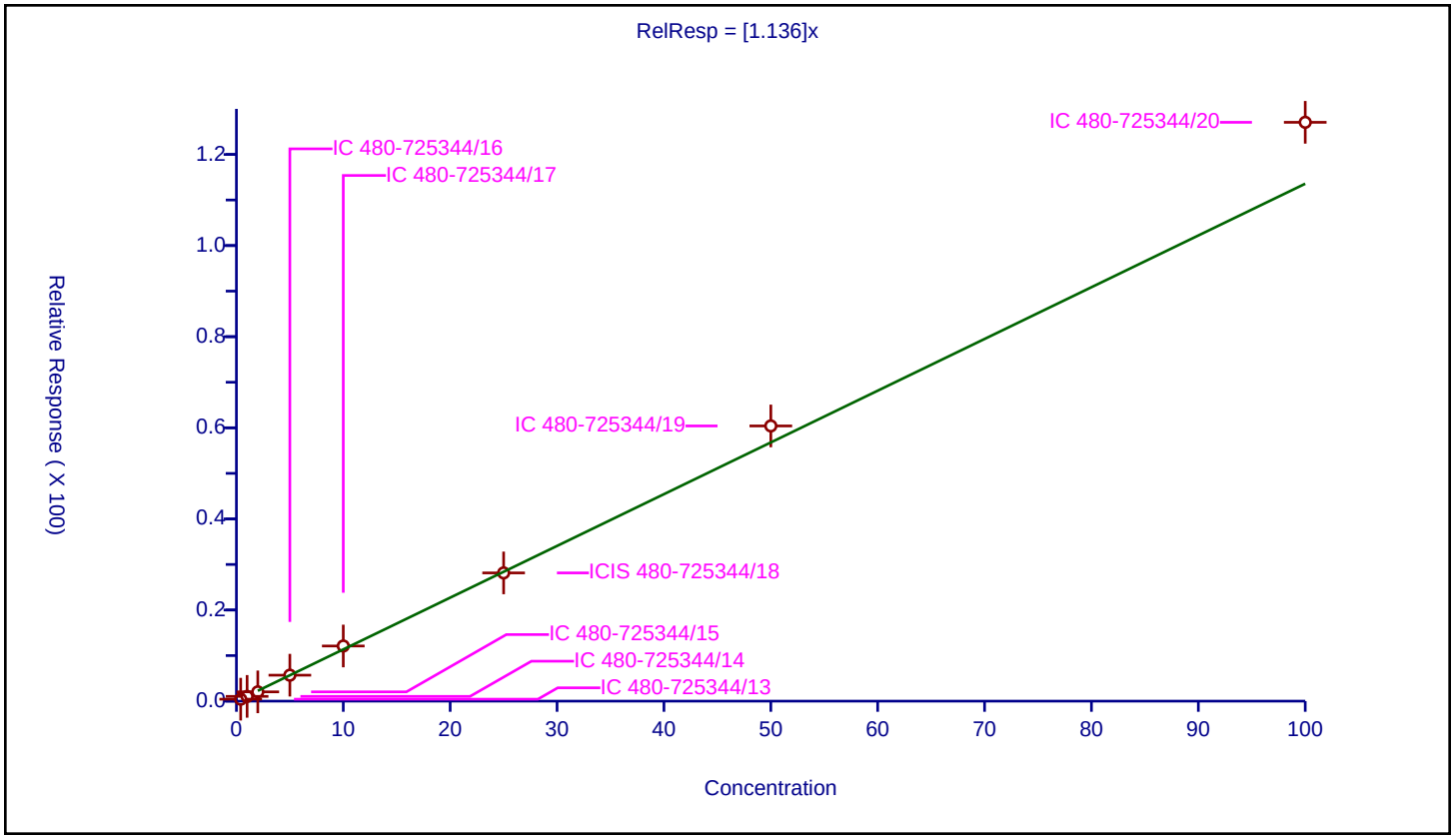
Curve Coefficients

Intercept:	0
Slope:	1.136

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.427799	25.0	171576.0	1.069497	Y
2	IC 480-725344/14	1.0	1.042226	25.0	178728.0	1.042226	Y
3	IC 480-725344/15	2.0	2.038253	25.0	181111.0	1.019126	Y
4	IC 480-725344/16	5.0	5.697598	25.0	173990.0	1.13952	Y
5	IC 480-725344/17	10.0	12.107432	25.0	187356.0	1.210743	Y
6	ICIS 480-725344/18	25.0	28.146736	25.0	184310.0	1.125869	Y
7	IC 480-725344/19	50.0	60.408563	25.0	185357.0	1.208171	Y
8	IC 480-725344/20	100.0	127.053564	25.0	177825.0	1.270536	Y



Calibration / Methylcyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

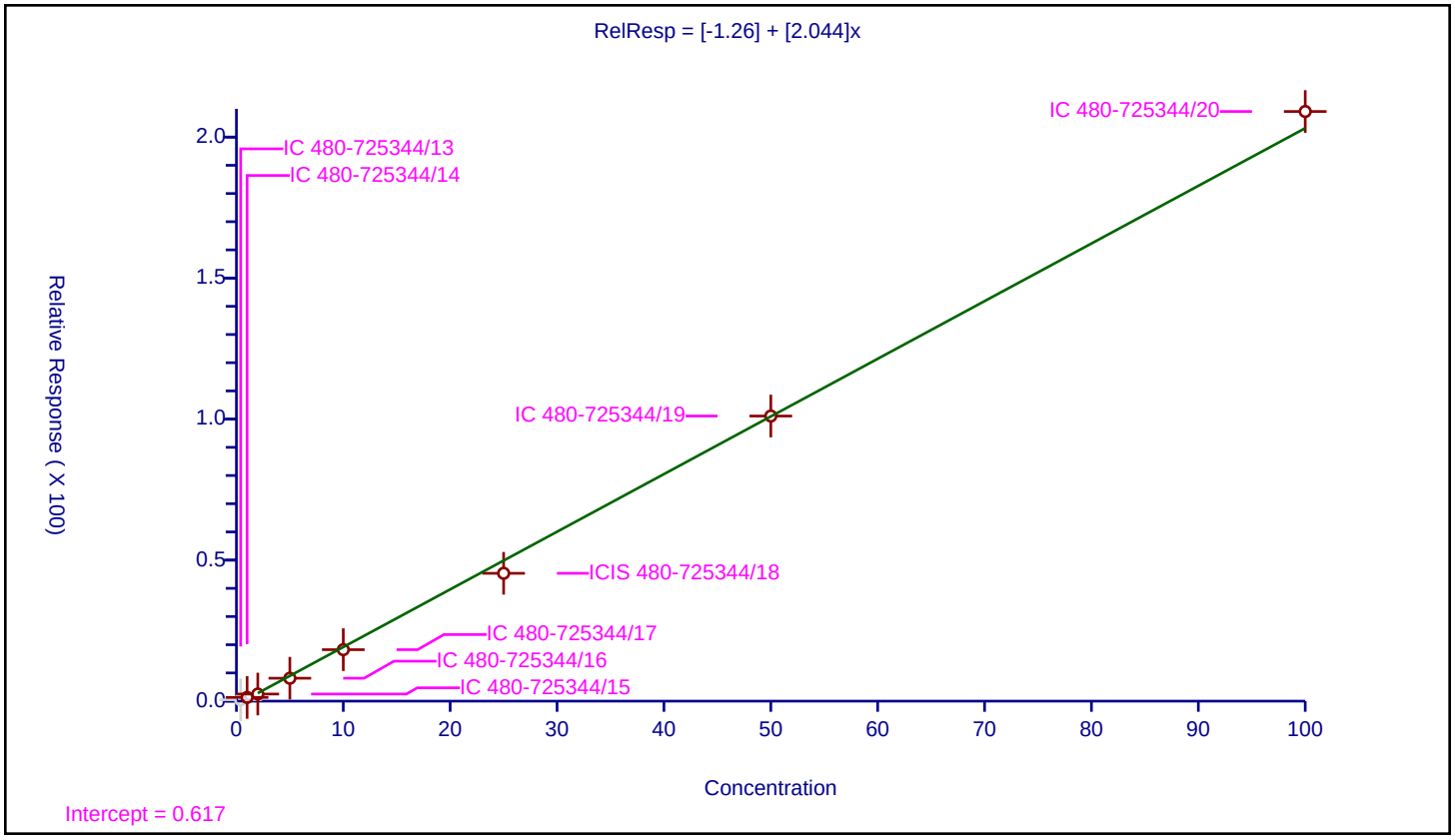
Curve Coefficients

Intercept:	-1.26
Slope:	2.044

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.491327	25.0	171576.0	1.228319	N
2	IC 480-725344/14	1.0	1.319463	25.0	178728.0	1.319463	Y
3	IC 480-725344/15	2.0	2.514894	25.0	181111.0	1.257447	Y
4	IC 480-725344/16	5.0	8.124174	25.0	173990.0	1.624835	Y
5	IC 480-725344/17	10.0	18.249883	25.0	187356.0	1.824988	Y
6	ICIS 480-725344/18	25.0	45.327437	25.0	184310.0	1.813097	Y
7	IC 480-725344/19	50.0	101.093296	25.0	185357.0	2.021866	Y
8	IC 480-725344/20	100.0	209.071137	25.0	177825.0	2.090711	Y



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Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

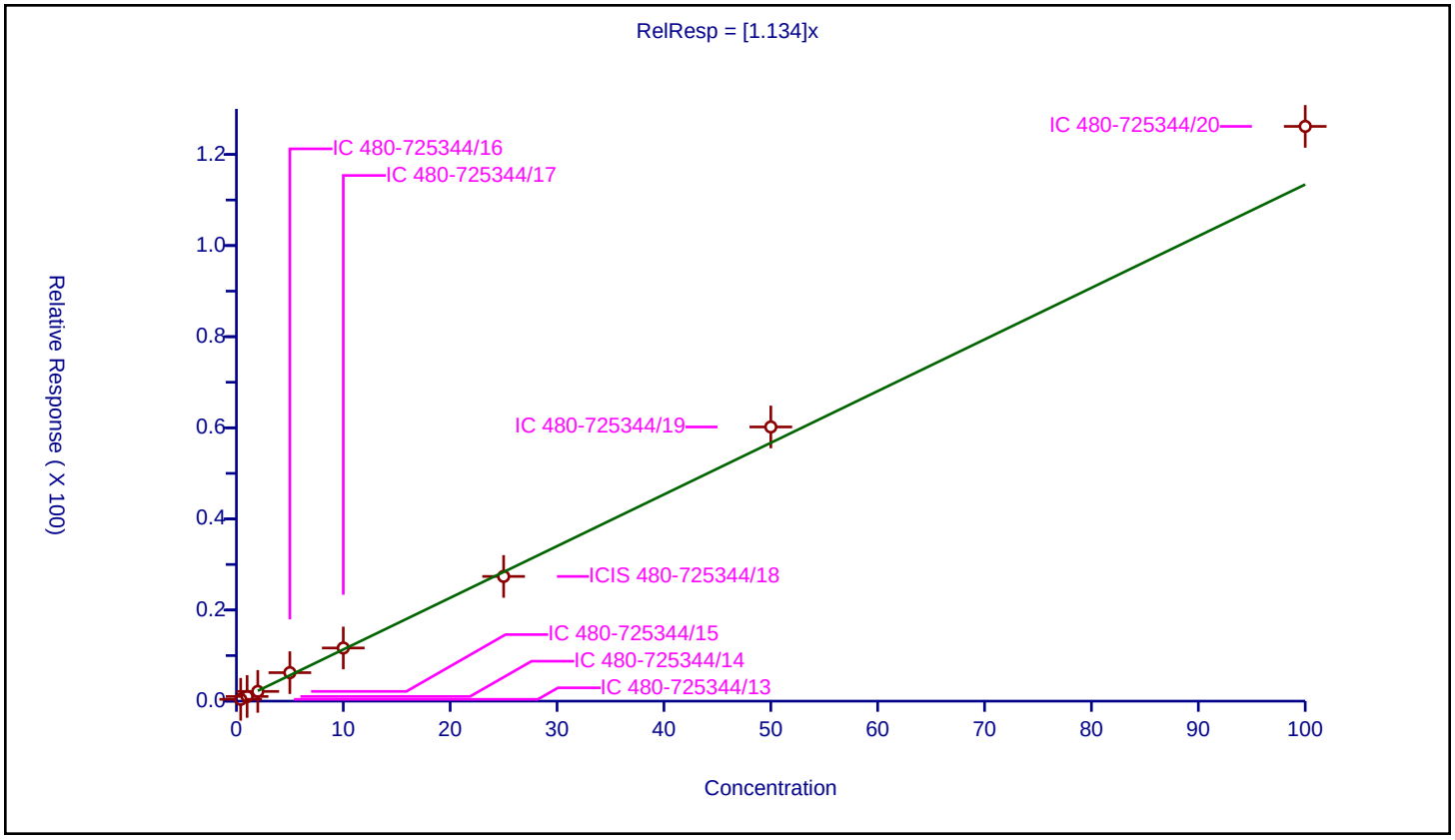
Curve Coefficients

Intercept:	0
Slope:	1.134

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.400988	25.0	171576.0	1.002471	Y
2	IC 480-725344/14	1.0	1.023343	25.0	178728.0	1.023343	Y
3	IC 480-725344/15	2.0	2.139158	25.0	181111.0	1.069579	Y
4	IC 480-725344/16	5.0	6.251796	25.0	173990.0	1.250359	Y
5	IC 480-725344/17	10.0	11.667094	25.0	187356.0	1.166709	Y
6	ICIS 480-725344/18	25.0	27.376024	25.0	184310.0	1.095041	Y
7	IC 480-725344/19	50.0	60.182917	25.0	185357.0	1.203658	Y
8	IC 480-725344/20	100.0	126.157318	25.0	177825.0	1.261573	Y



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Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

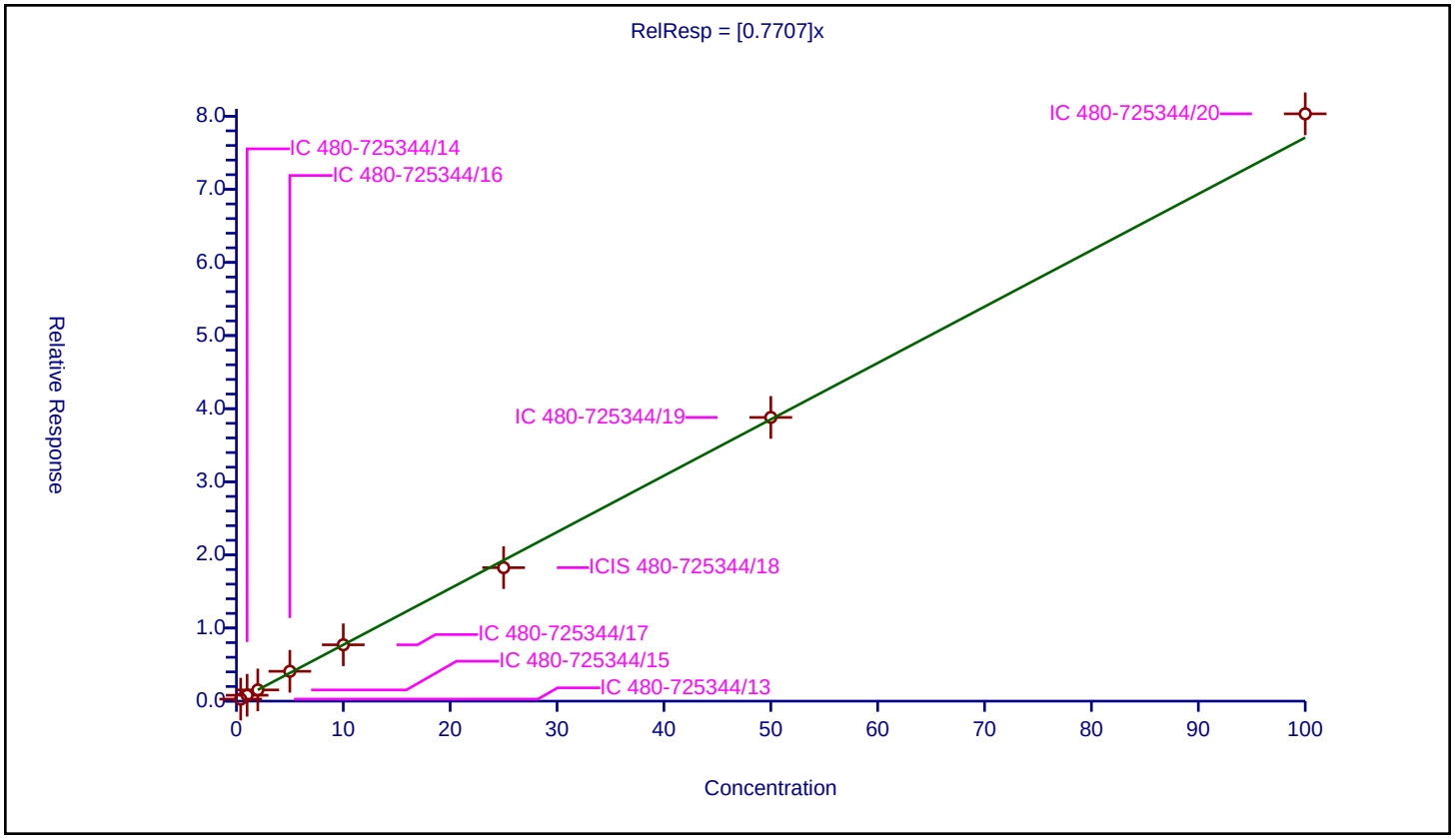
Curve Coefficients

Intercept:	0
Slope:	0.7707

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.278011	25.0	171576.0	0.695027	Y
2	IC 480-725344/14	1.0	0.806113	25.0	178728.0	0.806113	Y
3	IC 480-725344/15	2.0	1.536213	25.0	181111.0	0.768106	Y
4	IC 480-725344/16	5.0	4.081844	25.0	173990.0	0.816369	Y
5	IC 480-725344/17	10.0	7.706052	25.0	187356.0	0.770605	Y
6	ICIS 480-725344/18	25.0	18.254842	25.0	184310.0	0.730194	Y
7	IC 480-725344/19	50.0	38.803498	25.0	185357.0	0.77607	Y
8	IC 480-725344/20	100.0	80.327007	25.0	177825.0	0.80327	Y



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Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

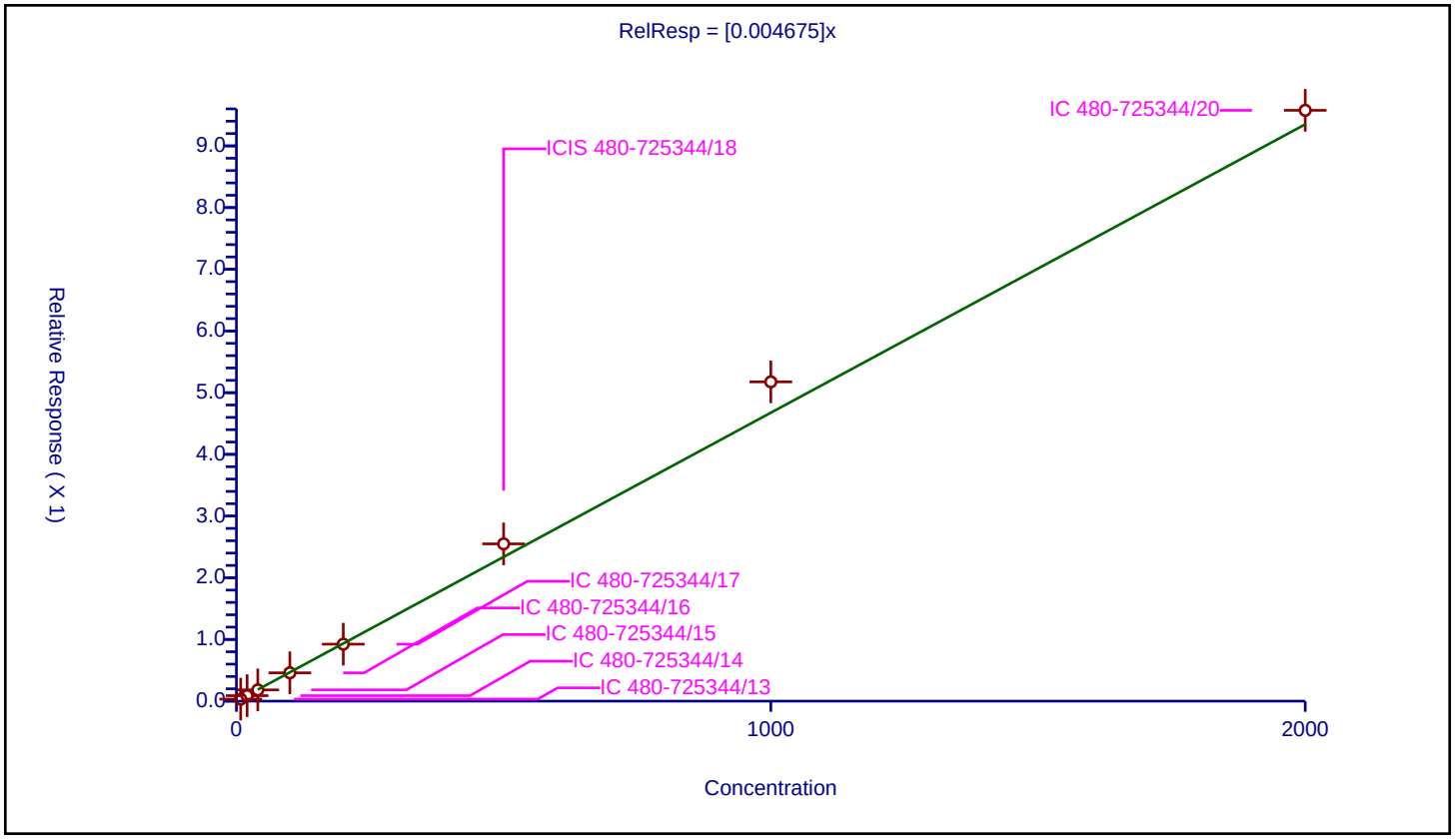
Curve Coefficients

Intercept:	0
Slope:	0.004675

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	8.0	0.033079	25.0	642394.0	0.004135	Y
2	IC 480-725344/14	20.0	0.088783	25.0	678340.0	0.004439	Y
3	IC 480-725344/15	40.0	0.182204	25.0	682066.0	0.004555	Y
4	IC 480-725344/16	100.0	0.458991	25.0	656494.0	0.00459	Y
5	IC 480-725344/17	200.0	0.923541	25.0	702297.0	0.004618	Y
6	ICIS 480-725344/18	500.0	2.548912	25.0	655672.0	0.005098	Y
7	IC 480-725344/19	1000.0	5.175189	25.0	701757.0	0.005175	Y
8	IC 480-725344/20	2000.0	9.576513	25.0	714780.0	0.004788	Y



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Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

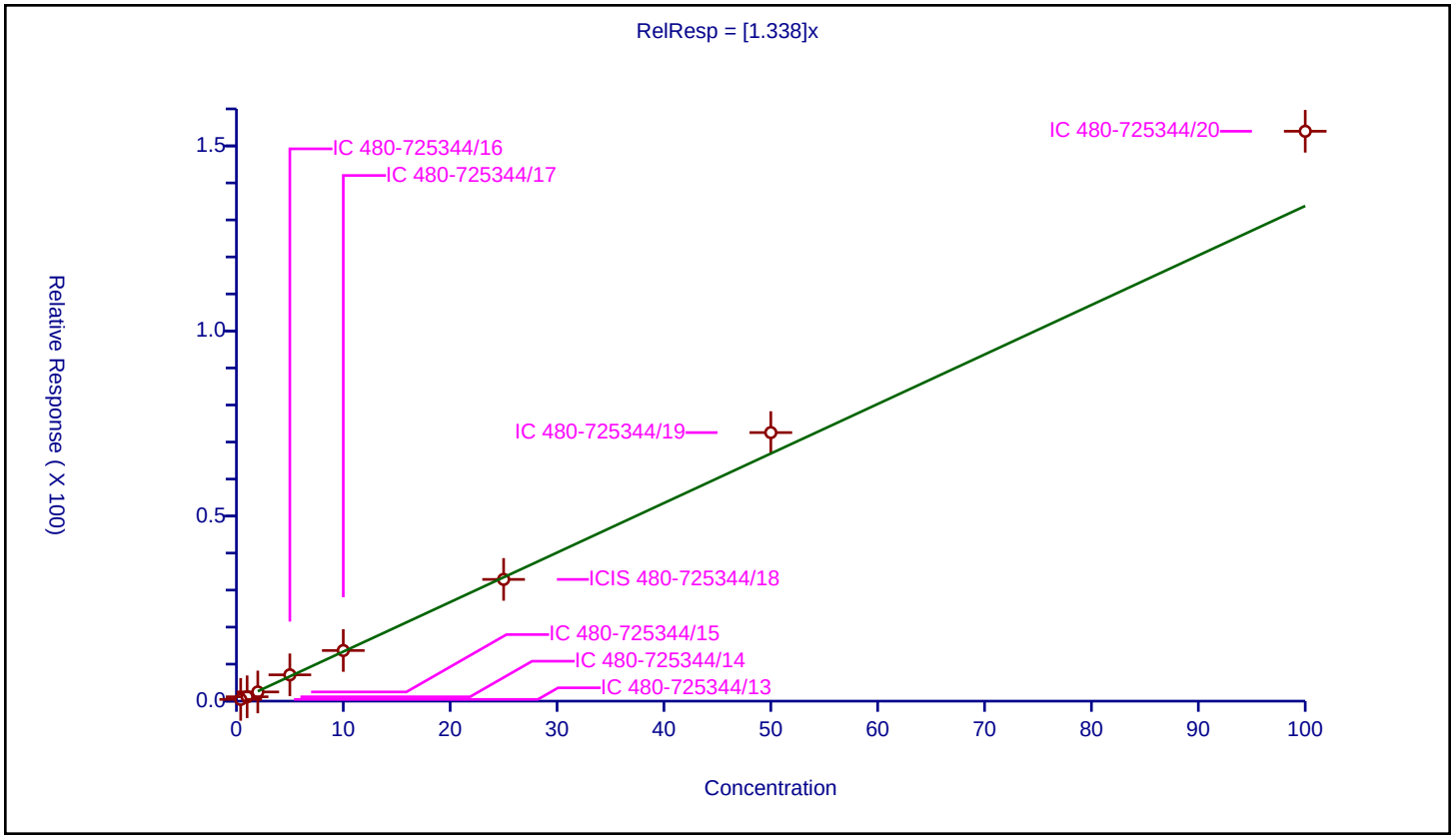
Curve Coefficients

Intercept:	0
Slope:	1.338

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.474134	25.0	171576.0	1.185335	Y
2	IC 480-725344/14	1.0	1.179306	25.0	178728.0	1.179306	Y
3	IC 480-725344/15	2.0	2.484526	25.0	181111.0	1.242263	Y
4	IC 480-725344/16	5.0	7.108598	25.0	173990.0	1.42172	Y
5	IC 480-725344/17	10.0	13.678372	25.0	187356.0	1.367837	Y
6	ICIS 480-725344/18	25.0	32.883322	25.0	184310.0	1.315333	Y
7	IC 480-725344/19	50.0	72.552291	25.0	185357.0	1.451046	Y
8	IC 480-725344/20	100.0	153.958527	25.0	177825.0	1.539585	Y



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Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

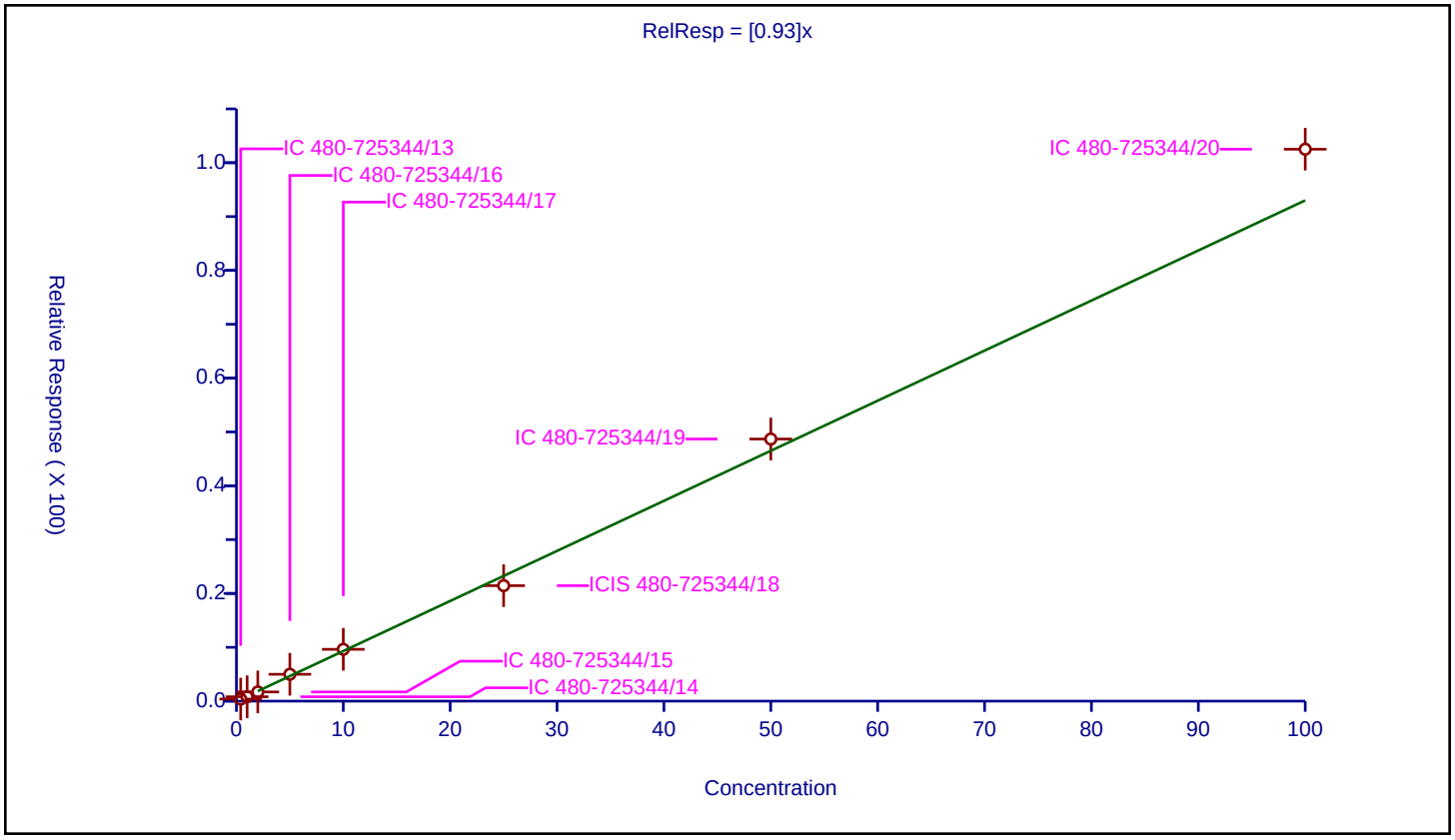
Curve Coefficients

Intercept:	0
Slope:	0.93

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.382338	25.0	171576.0	0.955845	Y
2	IC 480-725344/14	1.0	0.813387	25.0	178728.0	0.813387	Y
3	IC 480-725344/15	2.0	1.708069	25.0	181111.0	0.854034	Y
4	IC 480-725344/16	5.0	4.988505	25.0	173990.0	0.997701	Y
5	IC 480-725344/17	10.0	9.624992	25.0	187356.0	0.962499	Y
6	ICIS 480-725344/18	25.0	21.448782	25.0	184310.0	0.857951	Y
7	IC 480-725344/19	50.0	48.685644	25.0	185357.0	0.973713	Y
8	IC 480-725344/20	100.0	102.508787	25.0	177825.0	1.025088	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

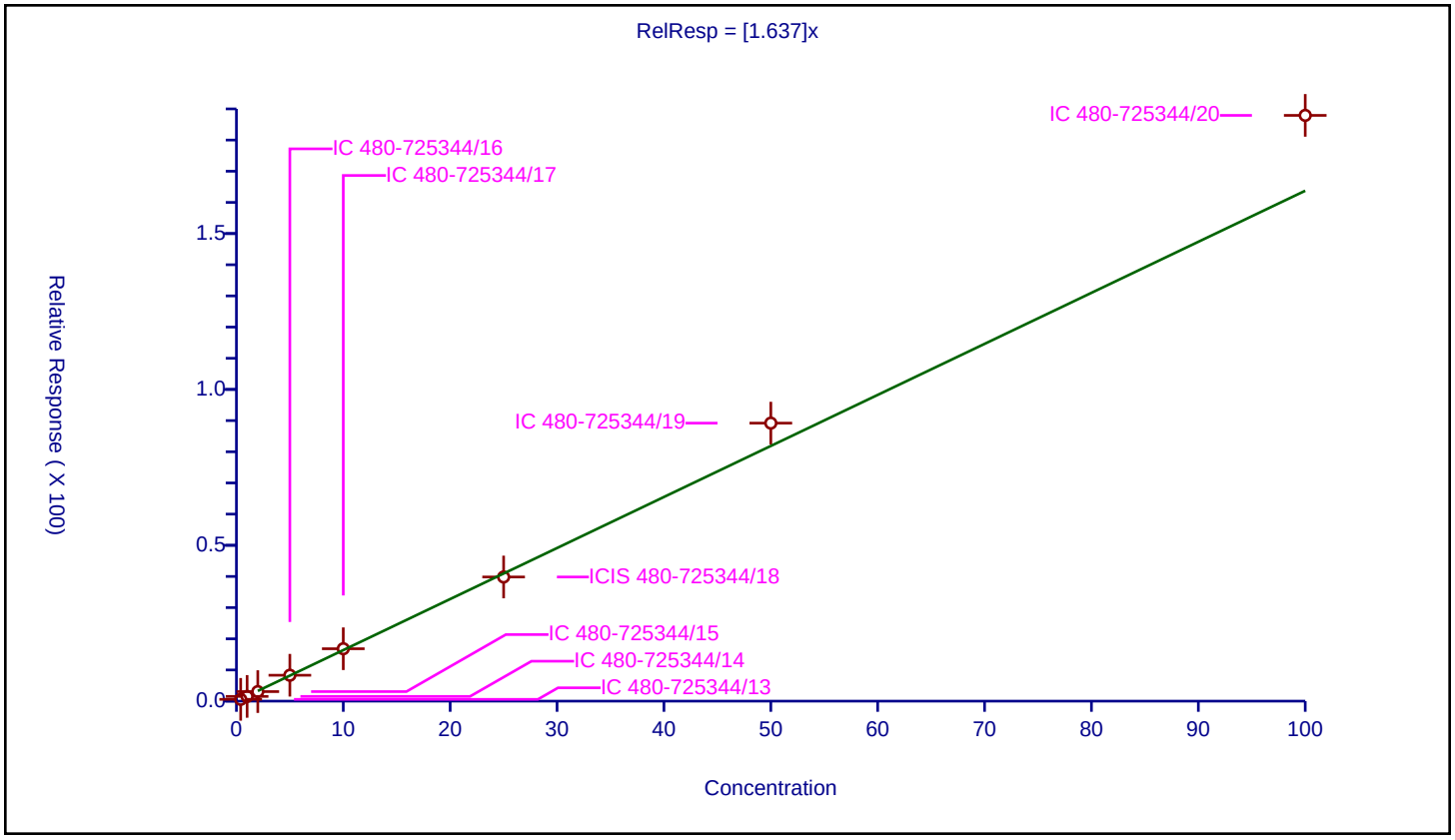
Curve Coefficients

Intercept:	0
Slope:	1.637

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.580792	25.0	171576.0	1.45198	Y
2	IC 480-725344/14	1.0	1.513753	25.0	178728.0	1.513753	Y
3	IC 480-725344/15	2.0	3.067318	25.0	181111.0	1.533659	Y
4	IC 480-725344/16	5.0	8.310822	25.0	173990.0	1.662164	Y
5	IC 480-725344/17	10.0	16.811845	25.0	187356.0	1.681184	Y
6	ICIS 480-725344/18	25.0	39.827058	25.0	184310.0	1.593082	Y
7	IC 480-725344/19	50.0	89.189915	25.0	185357.0	1.783798	Y
8	IC 480-725344/20	100.0	187.918037	25.0	177825.0	1.87918	Y



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Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

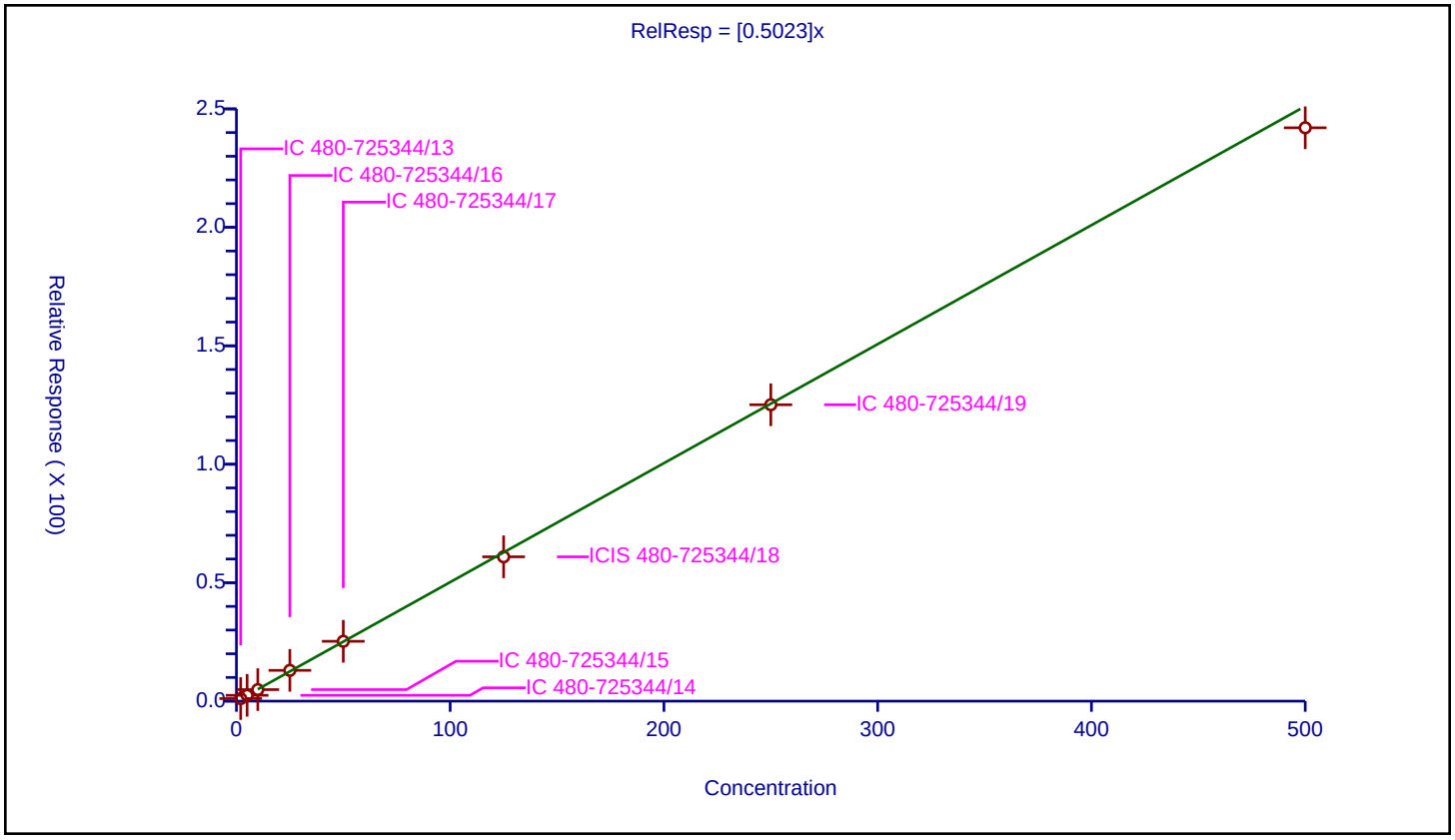
Curve Coefficients

Intercept:	0
Slope:	0.5023

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	2.0	1.086833	25.0	642394.0	0.543417	Y
2	IC 480-725344/14	5.0	2.458686	25.0	678340.0	0.491737	Y
3	IC 480-725344/15	10.0	4.862763	25.0	682066.0	0.486276	Y
4	IC 480-725344/16	25.0	12.991741	25.0	656494.0	0.51967	Y
5	IC 480-725344/17	50.0	25.261713	25.0	702297.0	0.505234	Y
6	ICIS 480-725344/18	125.0	60.915595	25.0	655672.0	0.487325	Y
7	IC 480-725344/19	250.0	125.115816	25.0	701757.0	0.500463	Y
8	IC 480-725344/20	500.0	242.023525	25.0	714780.0	0.484047	Y



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Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

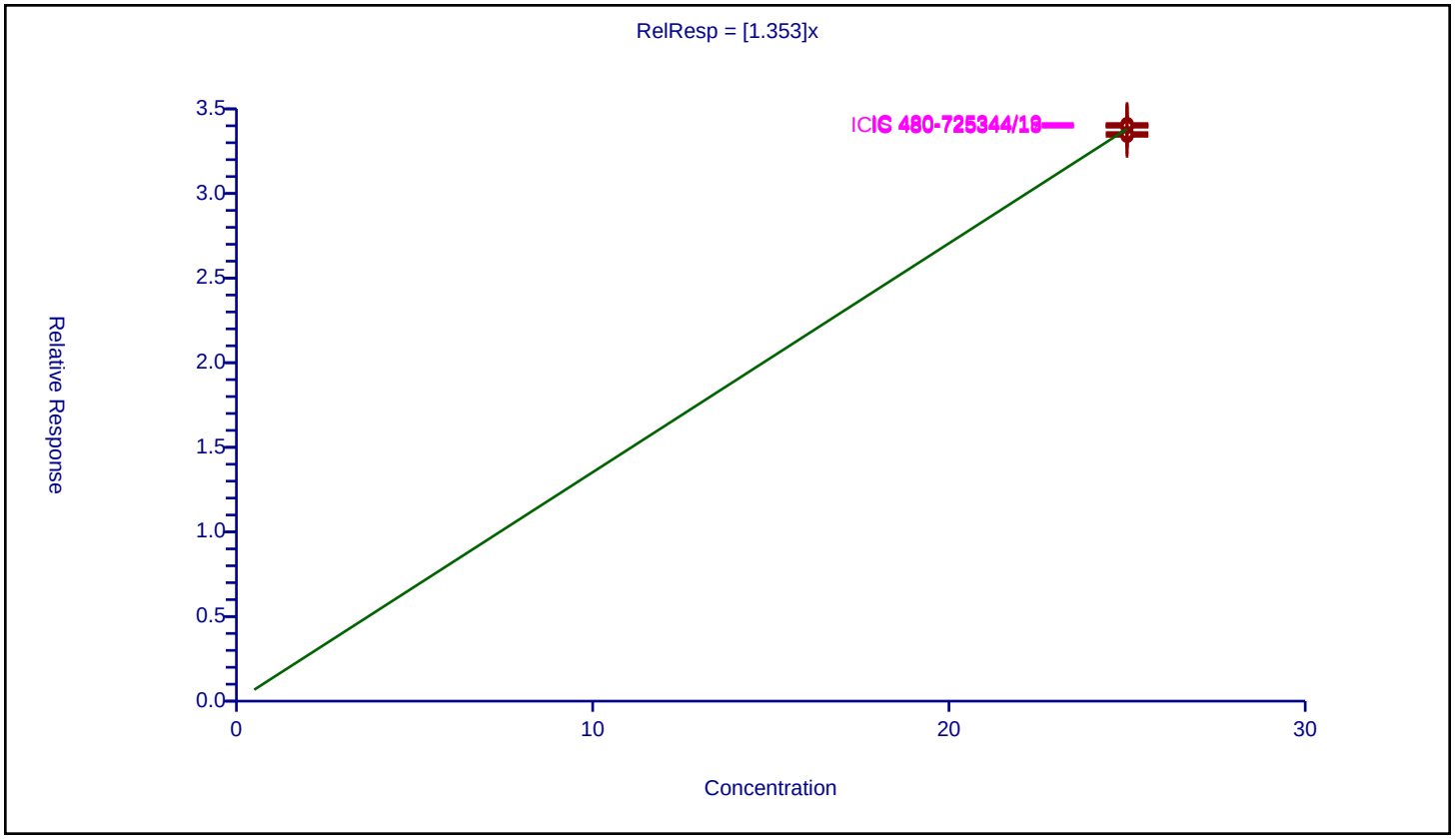
Curve Coefficients

Intercept:	0
Slope:	1.353

Error Coefficients

Relative Standard Deviation:	0.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	25.0	33.94704	25.0	642394.0	1.357882	Y
2	IC 480-725344/14	25.0	33.377584	25.0	678340.0	1.335103	Y
3	IC 480-725344/15	25.0	33.602833	25.0	682066.0	1.344113	Y
4	IC 480-725344/16	25.0	34.055681	25.0	656494.0	1.362227	Y
5	IC 480-725344/17	25.0	33.919873	25.0	702297.0	1.356795	Y
6	ICIS 480-725344/18	25.0	34.017924	25.0	655672.0	1.360717	Y
7	IC 480-725344/19	25.0	34.135107	25.0	701757.0	1.365404	Y
8	IC 480-725344/20	25.0	33.484953	25.0	714780.0	1.339398	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

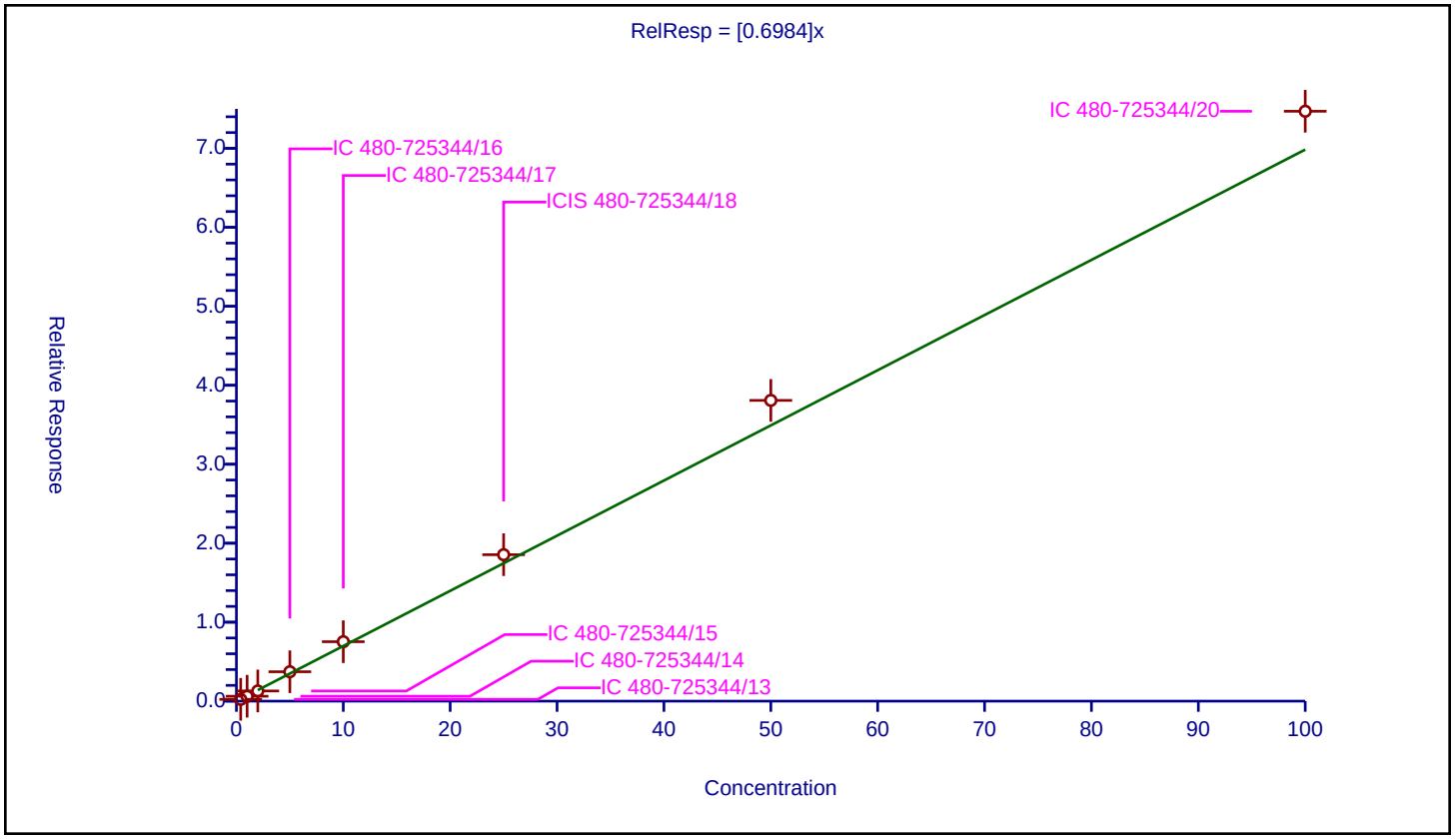
Curve Coefficients

Intercept:	0
Slope:	0.6984

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.228326	25.0	642394.0	0.570814	Y
2	IC 480-725344/14	1.0	0.623471	25.0	678340.0	0.623471	Y
3	IC 480-725344/15	2.0	1.291151	25.0	682066.0	0.645575	Y
4	IC 480-725344/16	5.0	3.722502	25.0	656494.0	0.7445	Y
5	IC 480-725344/17	10.0	7.525733	25.0	702297.0	0.752573	Y
6	ICIS 480-725344/18	25.0	18.544028	25.0	655672.0	0.741761	Y
7	IC 480-725344/19	50.0	38.085976	25.0	701757.0	0.76172	Y
8	IC 480-725344/20	100.0	74.700013	25.0	714780.0	0.747	Y



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Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

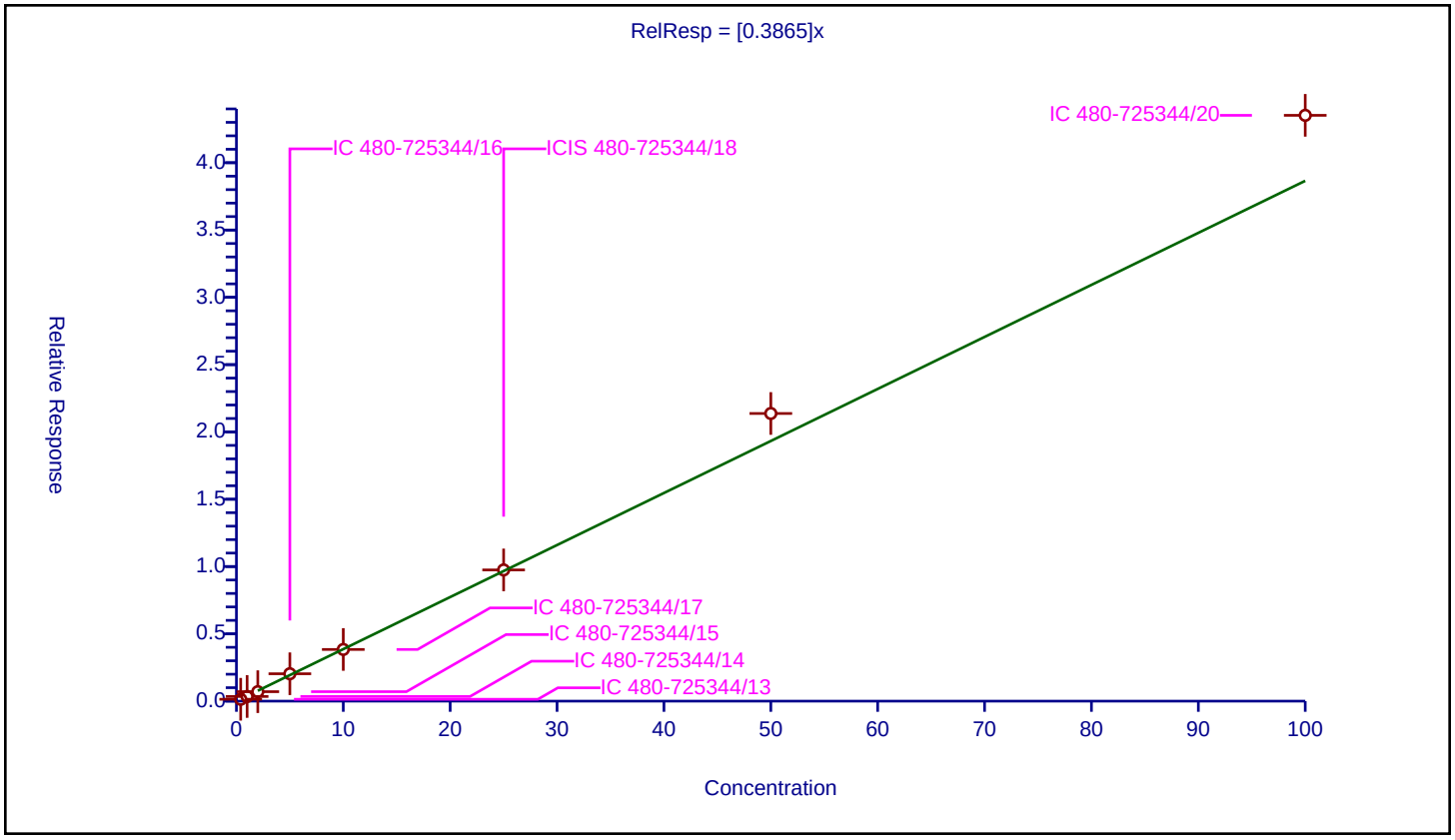
Curve Coefficients

Intercept:	0
Slope:	0.3865

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.140334	25.0	642394.0	0.350836	Y
2	IC 480-725344/14	1.0	0.346139	25.0	678340.0	0.346139	Y
3	IC 480-725344/15	2.0	0.703744	25.0	682066.0	0.351872	Y
4	IC 480-725344/16	5.0	2.034748	25.0	656494.0	0.40695	Y
5	IC 480-725344/17	10.0	3.840184	25.0	702297.0	0.384018	Y
6	ICIS 480-725344/18	25.0	9.749082	25.0	655672.0	0.389963	Y
7	IC 480-725344/19	50.0	21.370574	25.0	701757.0	0.427411	Y
8	IC 480-725344/20	100.0	43.520978	25.0	714780.0	0.43521	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

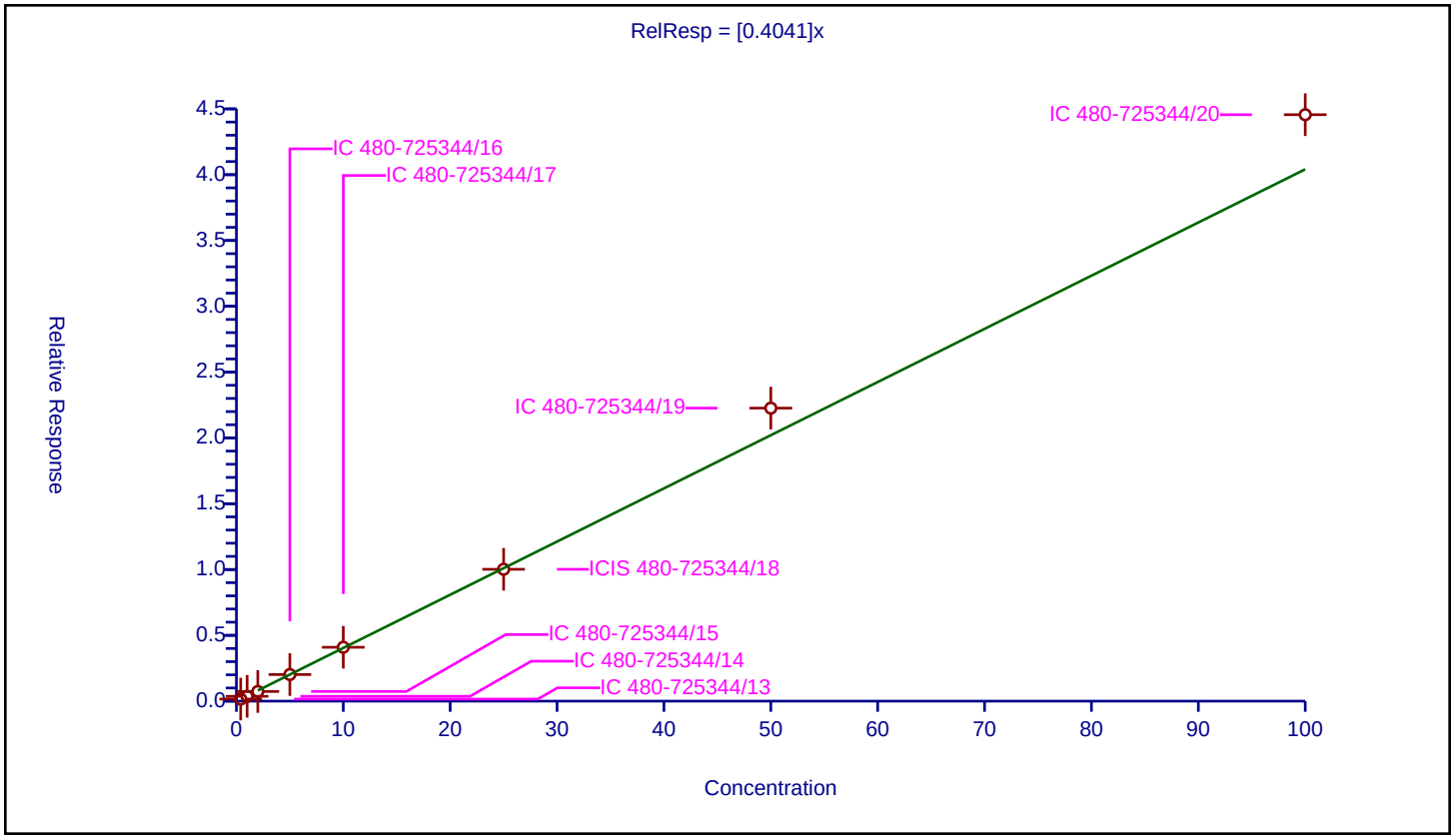
Curve Coefficients

Intercept:	0
Slope:	0.4041

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.157108	25.0	642394.0	0.392769	Y
2	IC 480-725344/14	1.0	0.367957	25.0	678340.0	0.367957	Y
3	IC 480-725344/15	2.0	0.733873	25.0	682066.0	0.366937	Y
4	IC 480-725344/16	5.0	2.021077	25.0	656494.0	0.404215	Y
5	IC 480-725344/17	10.0	4.092499	25.0	702297.0	0.40925	Y
6	ICIS 480-725344/18	25.0	10.019072	25.0	655672.0	0.400763	Y
7	IC 480-725344/19	50.0	22.264188	25.0	701757.0	0.445284	Y
8	IC 480-725344/20	100.0	44.557906	25.0	714780.0	0.445579	Y



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Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

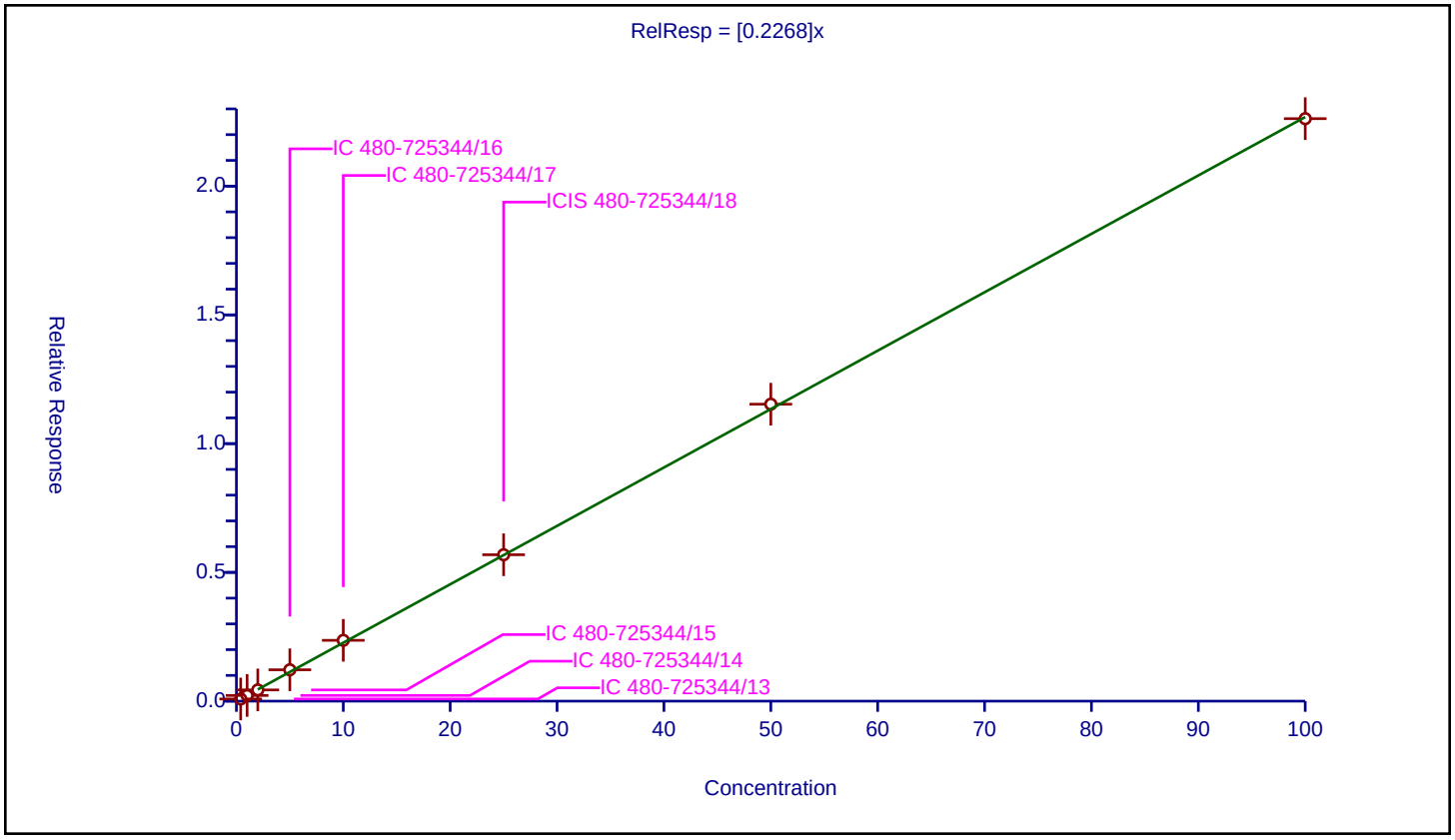
Curve Coefficients

Intercept:	0
Slope:	0.2268

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.084489	25.0	642394.0	0.211222	Y
2	IC 480-725344/14	1.0	0.221312	25.0	678340.0	0.221312	Y
3	IC 480-725344/15	2.0	0.436248	25.0	682066.0	0.218124	Y
4	IC 480-725344/16	5.0	1.217757	25.0	656494.0	0.243551	Y
5	IC 480-725344/17	10.0	2.361786	25.0	702297.0	0.236179	Y
6	ICIS 480-725344/18	25.0	5.68535	25.0	655672.0	0.227414	Y
7	IC 480-725344/19	50.0	11.532375	25.0	701757.0	0.230648	Y
8	IC 480-725344/20	100.0	22.620142	25.0	714780.0	0.226201	Y



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Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

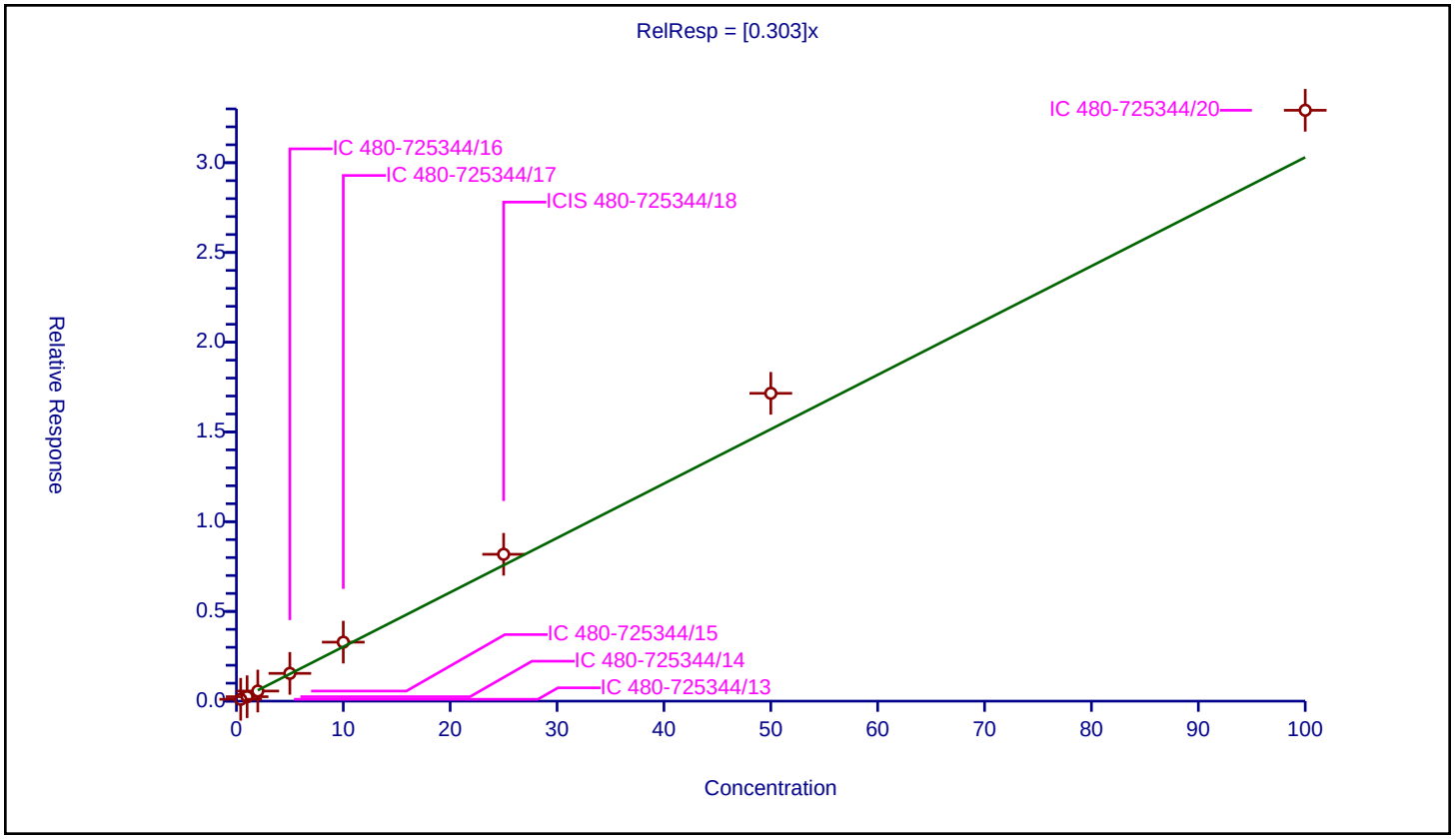
Curve Coefficients

Intercept:	0
Slope:	0.303

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.102974	25.0	642394.0	0.257435	Y
2	IC 480-725344/14	1.0	0.247663	25.0	678340.0	0.247663	Y
3	IC 480-725344/15	2.0	0.562665	25.0	682066.0	0.281333	Y
4	IC 480-725344/16	5.0	1.547196	25.0	656494.0	0.309439	Y
5	IC 480-725344/17	10.0	3.287071	25.0	702297.0	0.328707	Y
6	ICIS 480-725344/18	25.0	8.182064	25.0	655672.0	0.327283	Y
7	IC 480-725344/19	50.0	17.15234	25.0	701757.0	0.343047	Y
8	IC 480-725344/20	100.0	32.922298	25.0	714780.0	0.329223	Y



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Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

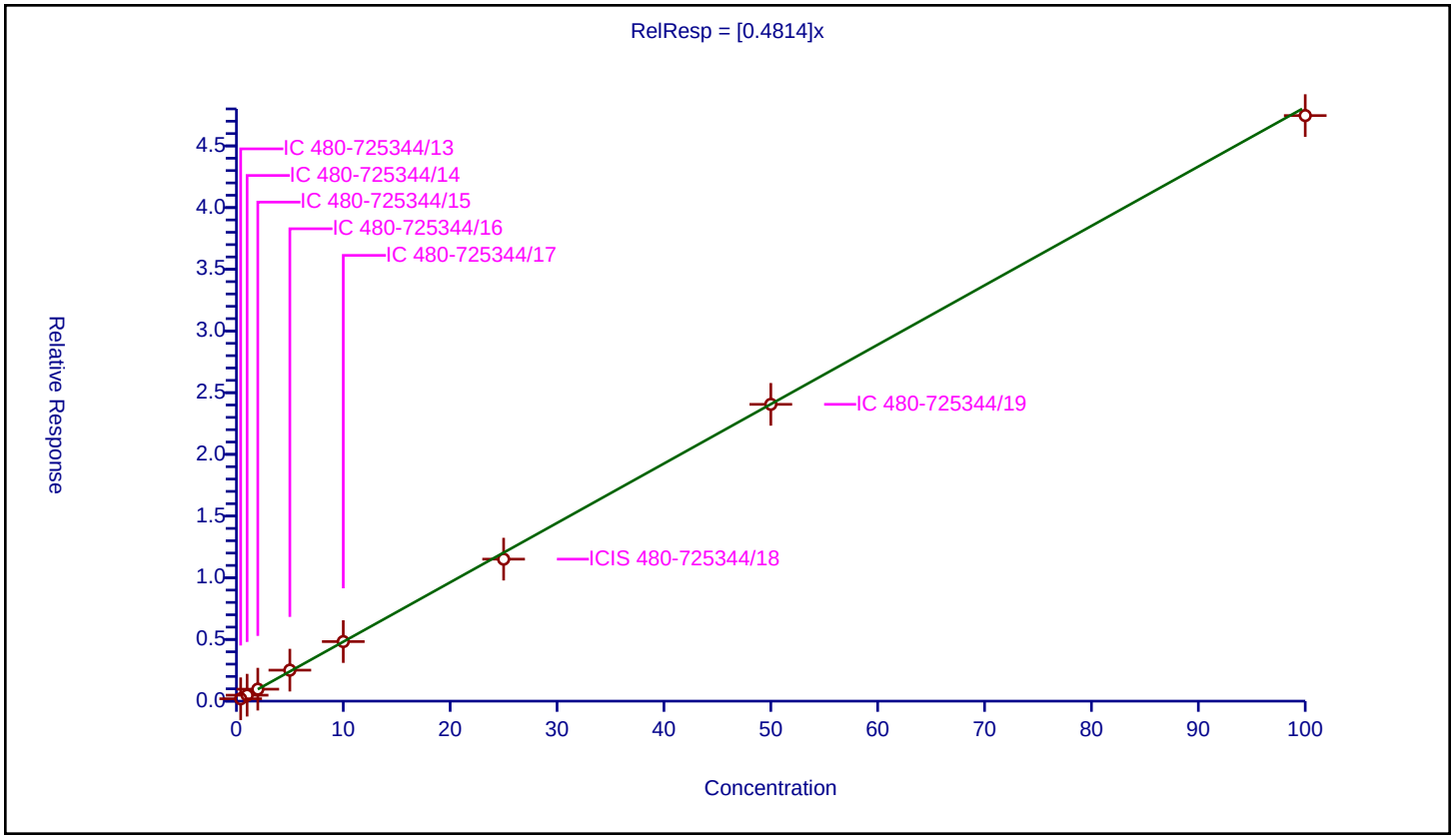
Curve Coefficients

Intercept:	0
Slope:	0.4814

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.193184	25.0	642394.0	0.482959	Y
2	IC 480-725344/14	1.0	0.482612	25.0	678340.0	0.482612	Y
3	IC 480-725344/15	2.0	0.969664	25.0	682066.0	0.484832	Y
4	IC 480-725344/16	5.0	2.510495	25.0	656494.0	0.502099	Y
5	IC 480-725344/17	10.0	4.826804	25.0	702297.0	0.48268	Y
6	ICIS 480-725344/18	25.0	11.508765	25.0	655672.0	0.460351	Y
7	IC 480-725344/19	50.0	24.054837	25.0	701757.0	0.481097	Y
8	IC 480-725344/20	100.0	47.458344	25.0	714780.0	0.474583	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

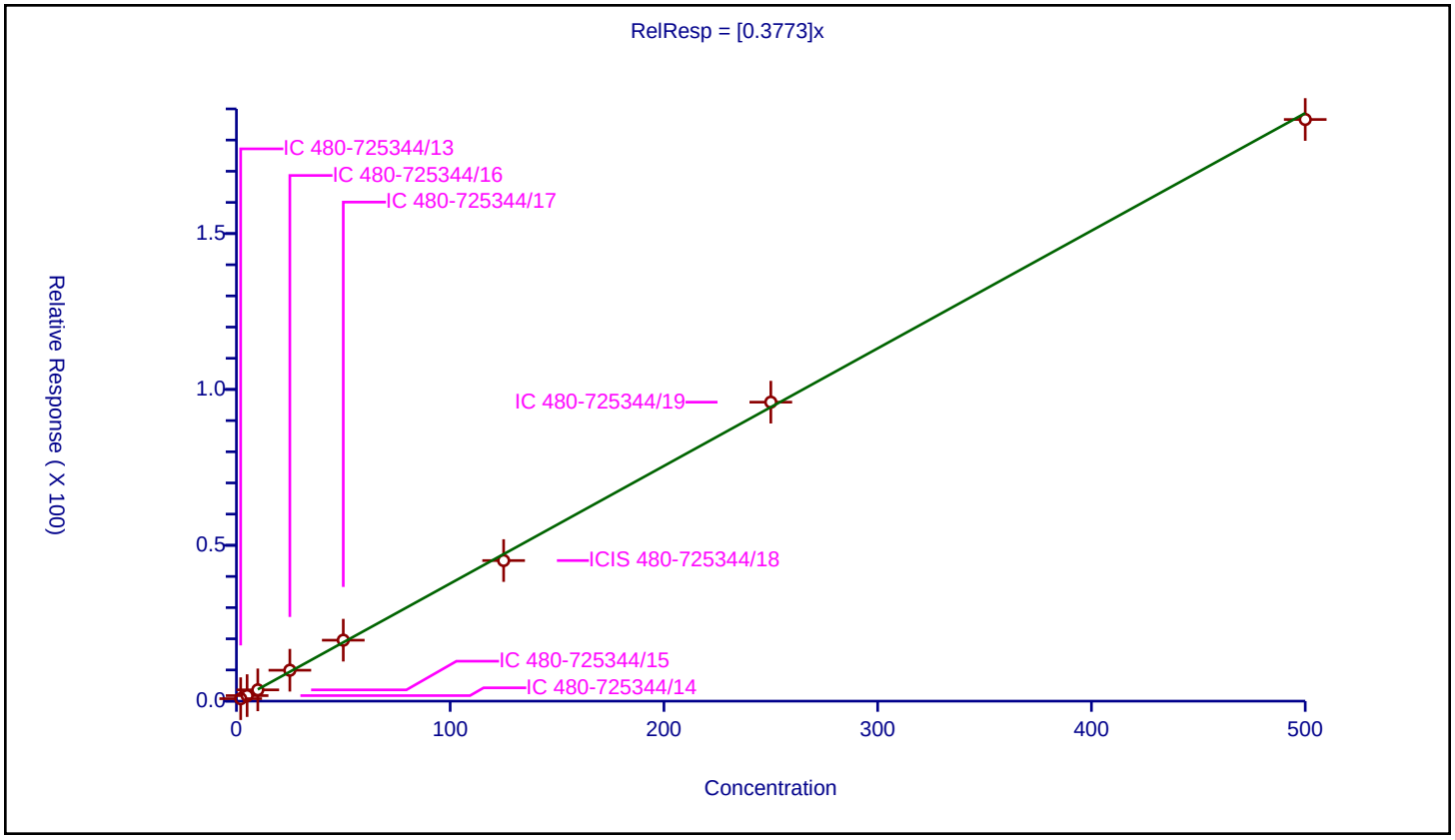
Curve Coefficients

Intercept:	0
Slope:	0.3773

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	2.0	0.793399	25.0	642394.0	0.3967	Y
2	IC 480-725344/14	5.0	1.771199	25.0	678340.0	0.35424	Y
3	IC 480-725344/15	10.0	3.617282	25.0	682066.0	0.361728	Y
4	IC 480-725344/16	25.0	9.916275	25.0	656494.0	0.396651	Y
5	IC 480-725344/17	50.0	19.557182	25.0	702297.0	0.391144	Y
6	ICIS 480-725344/18	125.0	45.098845	25.0	655672.0	0.360791	Y
7	IC 480-725344/19	250.0	95.916286	25.0	701757.0	0.383665	Y
8	IC 480-725344/20	500.0	186.598079	25.0	714780.0	0.373196	Y



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Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

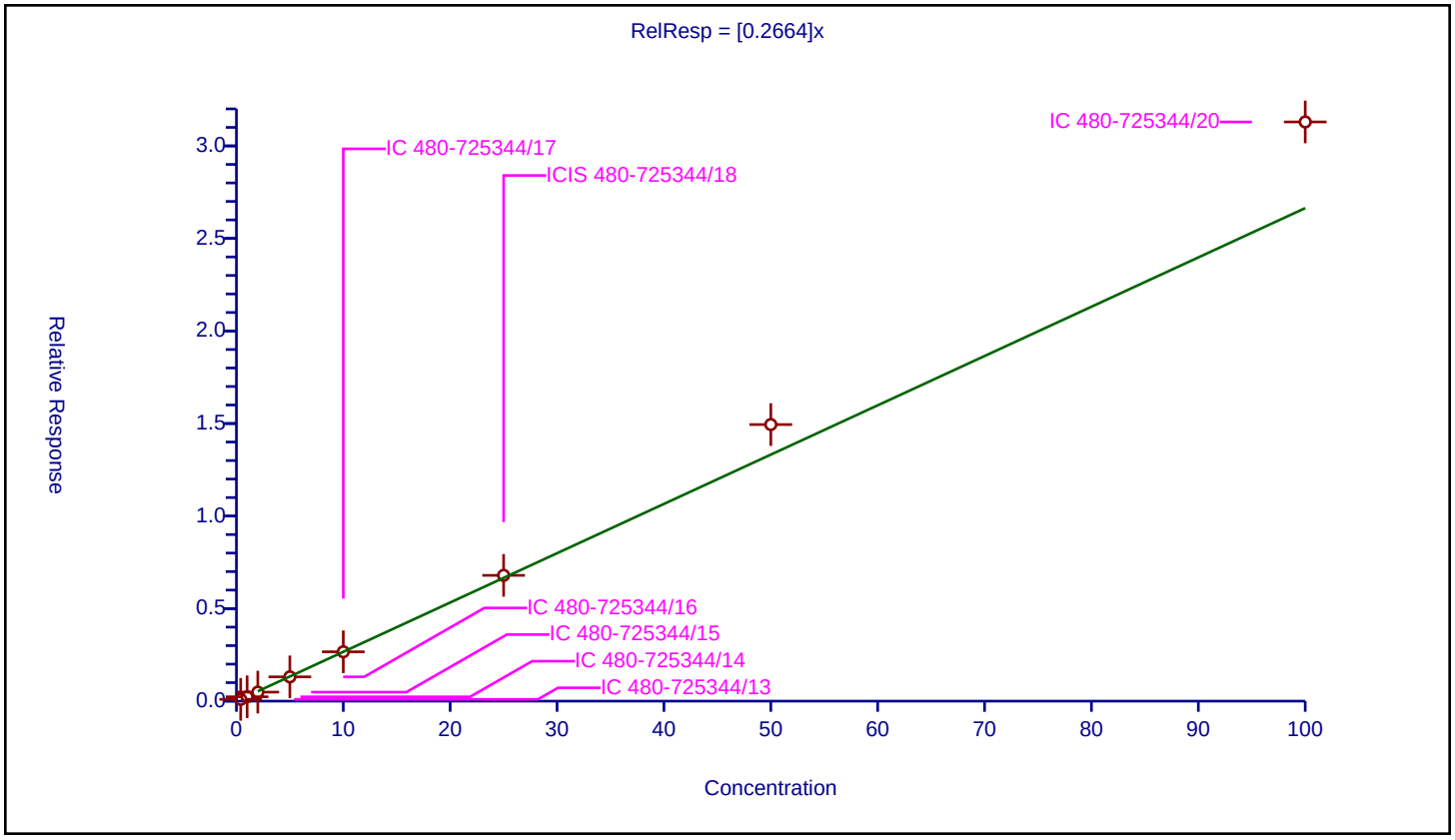
Curve Coefficients

Intercept:	0
Slope:	0.2664

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.096825	25.0	642394.0	0.242063	Y
2	IC 480-725344/14	1.0	0.233143	25.0	678340.0	0.233143	Y
3	IC 480-725344/15	2.0	0.4865	25.0	682066.0	0.24325	Y
4	IC 480-725344/16	5.0	1.31136	25.0	656494.0	0.262272	Y
5	IC 480-725344/17	10.0	2.6665	25.0	702297.0	0.26665	Y
6	ICIS 480-725344/18	25.0	6.796729	25.0	655672.0	0.271869	Y
7	IC 480-725344/19	50.0	14.943812	25.0	701757.0	0.298876	Y
8	IC 480-725344/20	100.0	31.294909	25.0	714780.0	0.312949	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

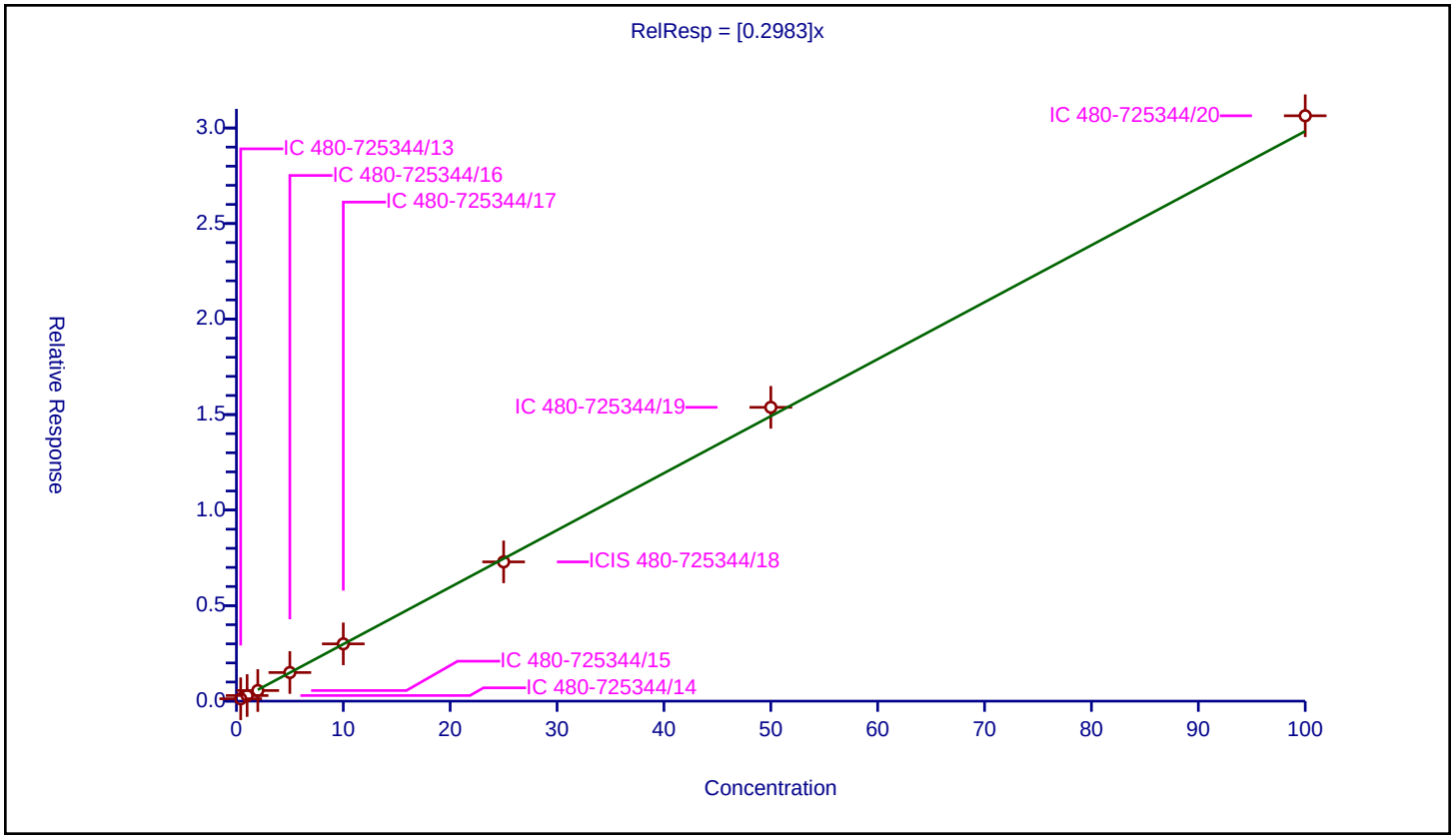
Curve Coefficients

Intercept:	0
Slope:	0.2983

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.124301	25.0	642394.0	0.310752	Y
2	IC 480-725344/14	1.0	0.29329	25.0	678340.0	0.29329	Y
3	IC 480-725344/15	2.0	0.555115	25.0	682066.0	0.277557	Y
4	IC 480-725344/16	5.0	1.497919	25.0	656494.0	0.299584	Y
5	IC 480-725344/17	10.0	2.997592	25.0	702297.0	0.299759	Y
6	ICIS 480-725344/18	25.0	7.289506	25.0	655672.0	0.29158	Y
7	IC 480-725344/19	50.0	15.379576	25.0	701757.0	0.307592	Y
8	IC 480-725344/20	100.0	30.640931	25.0	714780.0	0.306409	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

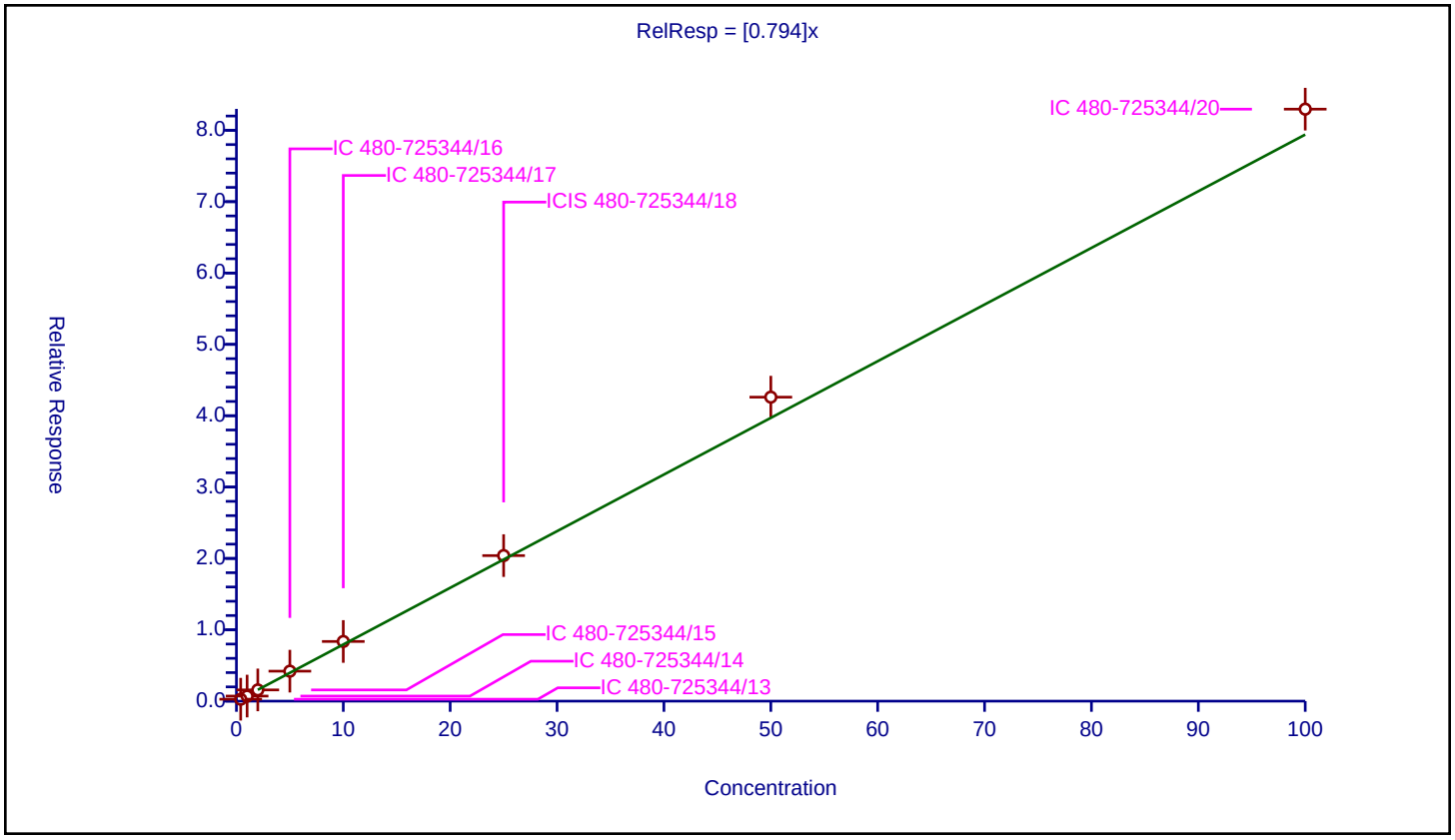
Curve Coefficients

Intercept:	0
Slope:	0.794

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.272068	25.0	642394.0	0.680171	Y
2	IC 480-725344/14	1.0	0.711737	25.0	678340.0	0.711737	Y
3	IC 480-725344/15	2.0	1.571989	25.0	682066.0	0.785994	Y
4	IC 480-725344/16	5.0	4.201181	25.0	656494.0	0.840236	Y
5	IC 480-725344/17	10.0	8.361028	25.0	702297.0	0.836103	Y
6	ICIS 480-725344/18	25.0	20.397051	25.0	655672.0	0.815882	Y
7	IC 480-725344/19	50.0	42.603672	25.0	701757.0	0.852073	Y
8	IC 480-725344/20	100.0	82.964129	25.0	714780.0	0.829641	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

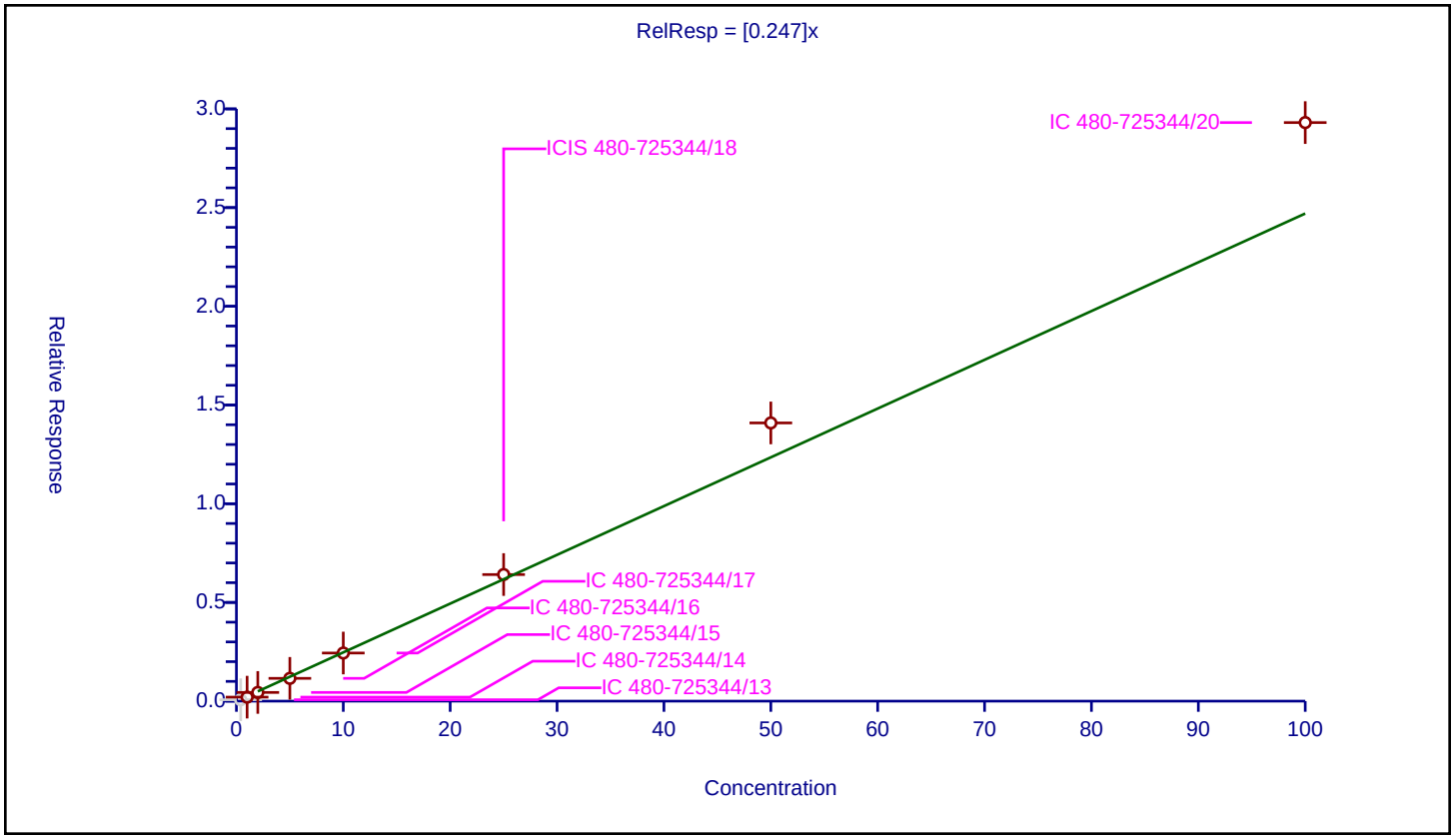
Curve Coefficients

Intercept:	0
Slope:	0.247

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.071257	25.0	642394.0	0.178142	N
2	IC 480-725344/14	1.0	0.202369	25.0	678340.0	0.202369	Y
3	IC 480-725344/15	2.0	0.44094	25.0	682066.0	0.22047	Y
4	IC 480-725344/16	5.0	1.154771	25.0	656494.0	0.230954	Y
5	IC 480-725344/17	10.0	2.437217	25.0	702297.0	0.243722	Y
6	ICIS 480-725344/18	25.0	6.412429	25.0	655672.0	0.256497	Y
7	IC 480-725344/19	50.0	14.092663	25.0	701757.0	0.281853	Y
8	IC 480-725344/20	100.0	29.30587	25.0	714780.0	0.293059	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

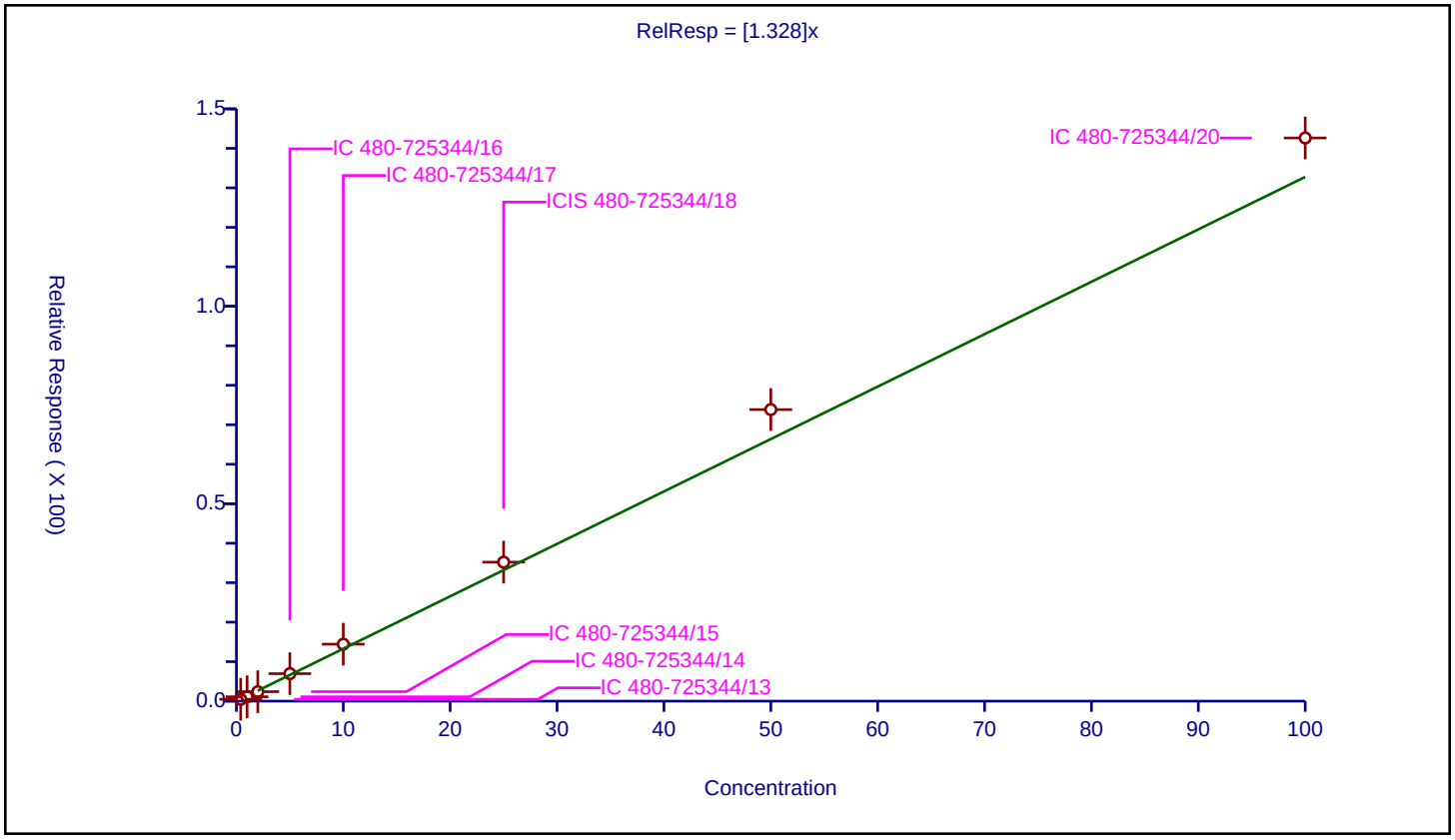
Curve Coefficients

Intercept:	0
Slope:	1.328

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.467937	25.0	642394.0	1.169843	Y
2	IC 480-725344/14	1.0	1.104535	25.0	678340.0	1.104535	Y
3	IC 480-725344/15	2.0	2.400904	25.0	682066.0	1.200452	Y
4	IC 480-725344/16	5.0	6.95985	25.0	656494.0	1.39197	Y
5	IC 480-725344/17	10.0	14.427372	25.0	702297.0	1.442737	Y
6	ICIS 480-725344/18	25.0	35.2019	25.0	655672.0	1.408076	Y
7	IC 480-725344/19	50.0	73.840126	25.0	701757.0	1.476803	Y
8	IC 480-725344/20	100.0	142.63665	25.0	714780.0	1.426367	Y



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Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

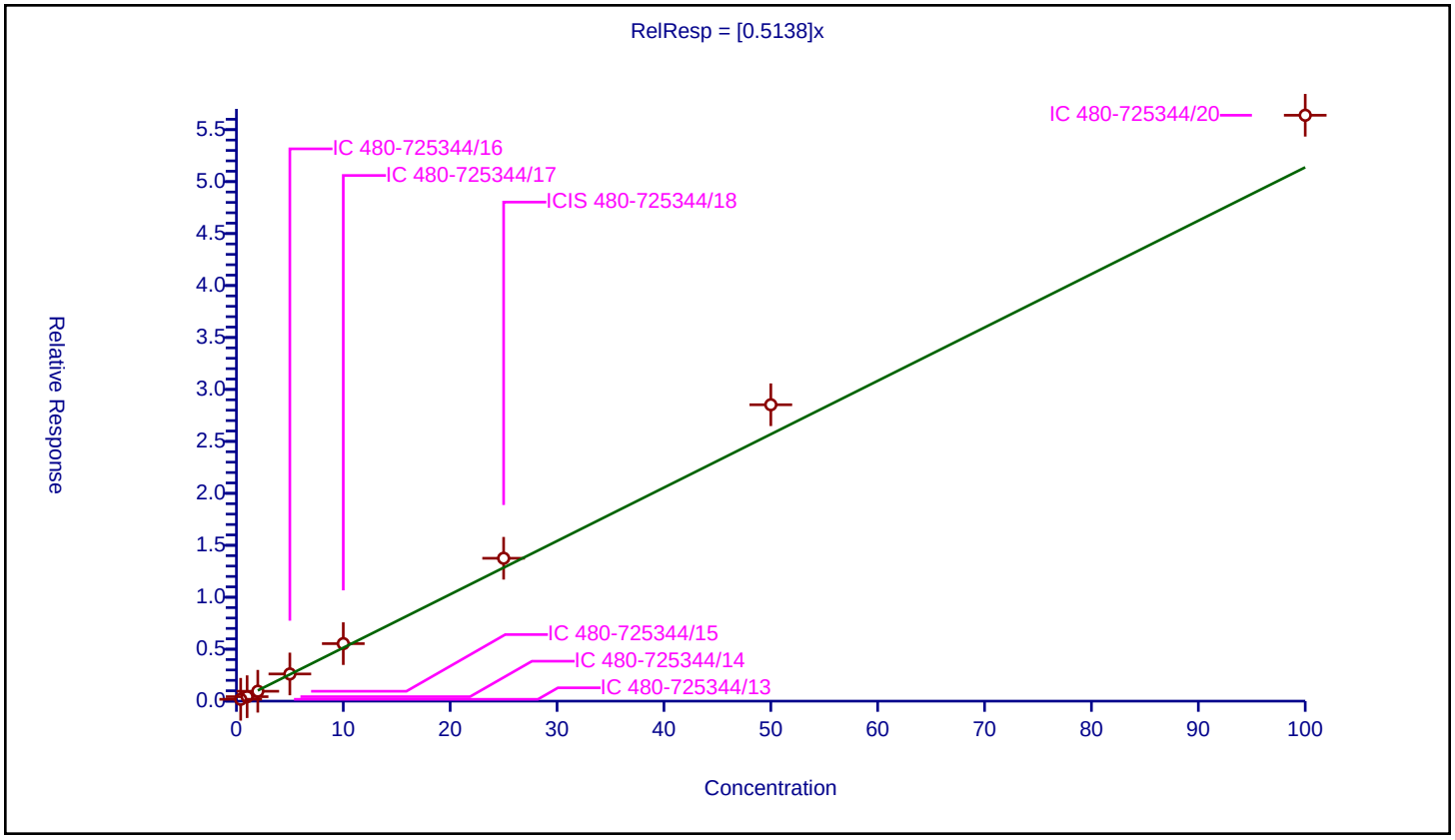
Curve Coefficients

Intercept:	0
Slope:	0.5138

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.177811	25.0	642394.0	0.444529	Y
2	IC 480-725344/14	1.0	0.428657	25.0	678340.0	0.428657	Y
3	IC 480-725344/15	2.0	0.951594	25.0	682066.0	0.475797	Y
4	IC 480-725344/16	5.0	2.61499	25.0	656494.0	0.522998	Y
5	IC 480-725344/17	10.0	5.536689	25.0	702297.0	0.553669	Y
6	ICIS 480-725344/18	25.0	13.751617	25.0	655672.0	0.550065	Y
7	IC 480-725344/19	50.0	28.527218	25.0	701757.0	0.570544	Y
8	IC 480-725344/20	100.0	56.388329	25.0	714780.0	0.563883	Y



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Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

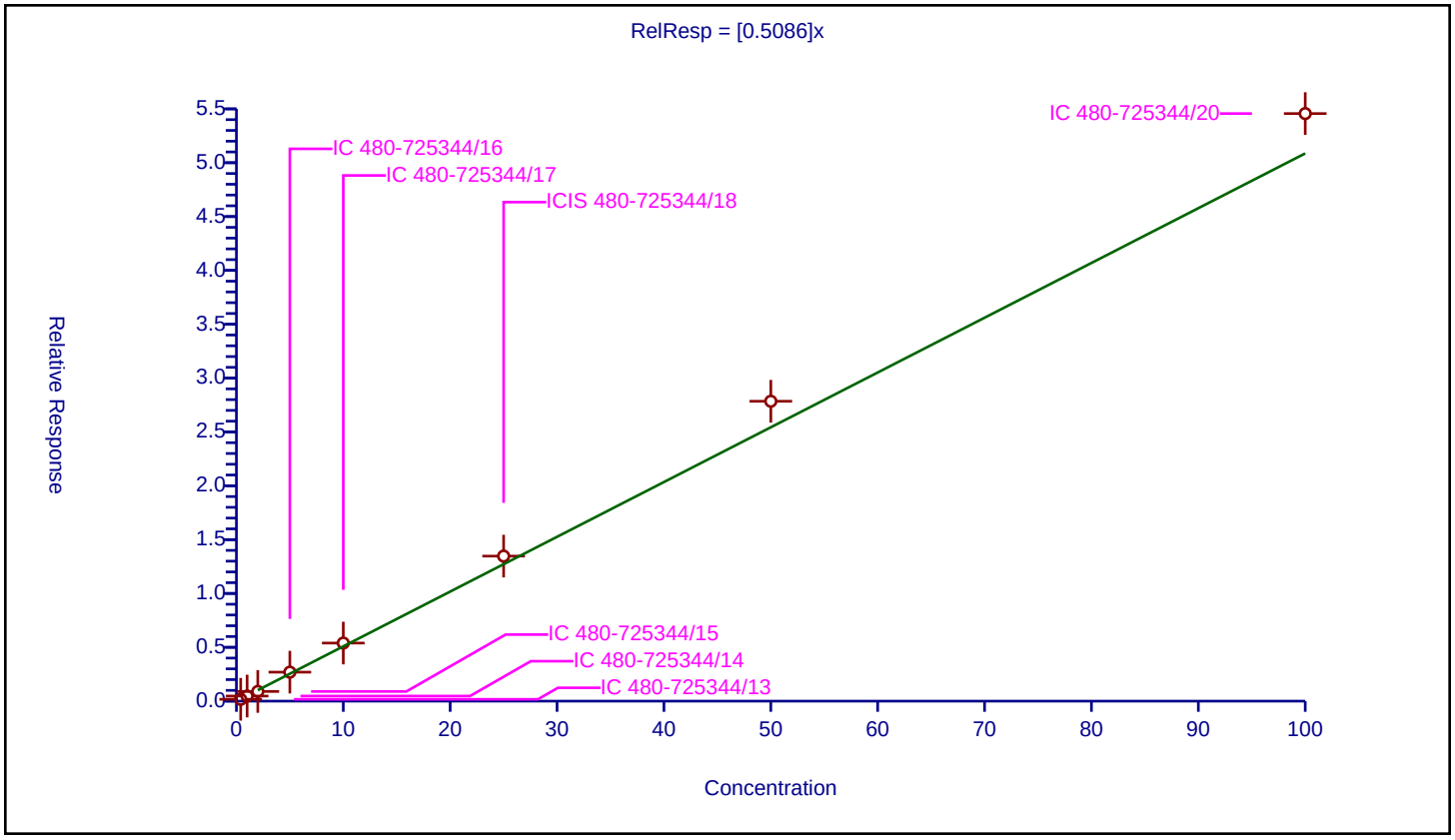
Curve Coefficients

Intercept:	0
Slope:	0.5086

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.170884	25.0	642394.0	0.427211	Y
2	IC 480-725344/14	1.0	0.472551	25.0	678340.0	0.472551	Y
3	IC 480-725344/15	2.0	0.899913	25.0	682066.0	0.449956	Y
4	IC 480-725344/16	5.0	2.693056	25.0	656494.0	0.538611	Y
5	IC 480-725344/17	10.0	5.39437	25.0	702297.0	0.539437	Y
6	ICIS 480-725344/18	25.0	13.469273	25.0	655672.0	0.538771	Y
7	IC 480-725344/19	50.0	27.848137	25.0	701757.0	0.556963	Y
8	IC 480-725344/20	100.0	54.56581	25.0	714780.0	0.545658	Y



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Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

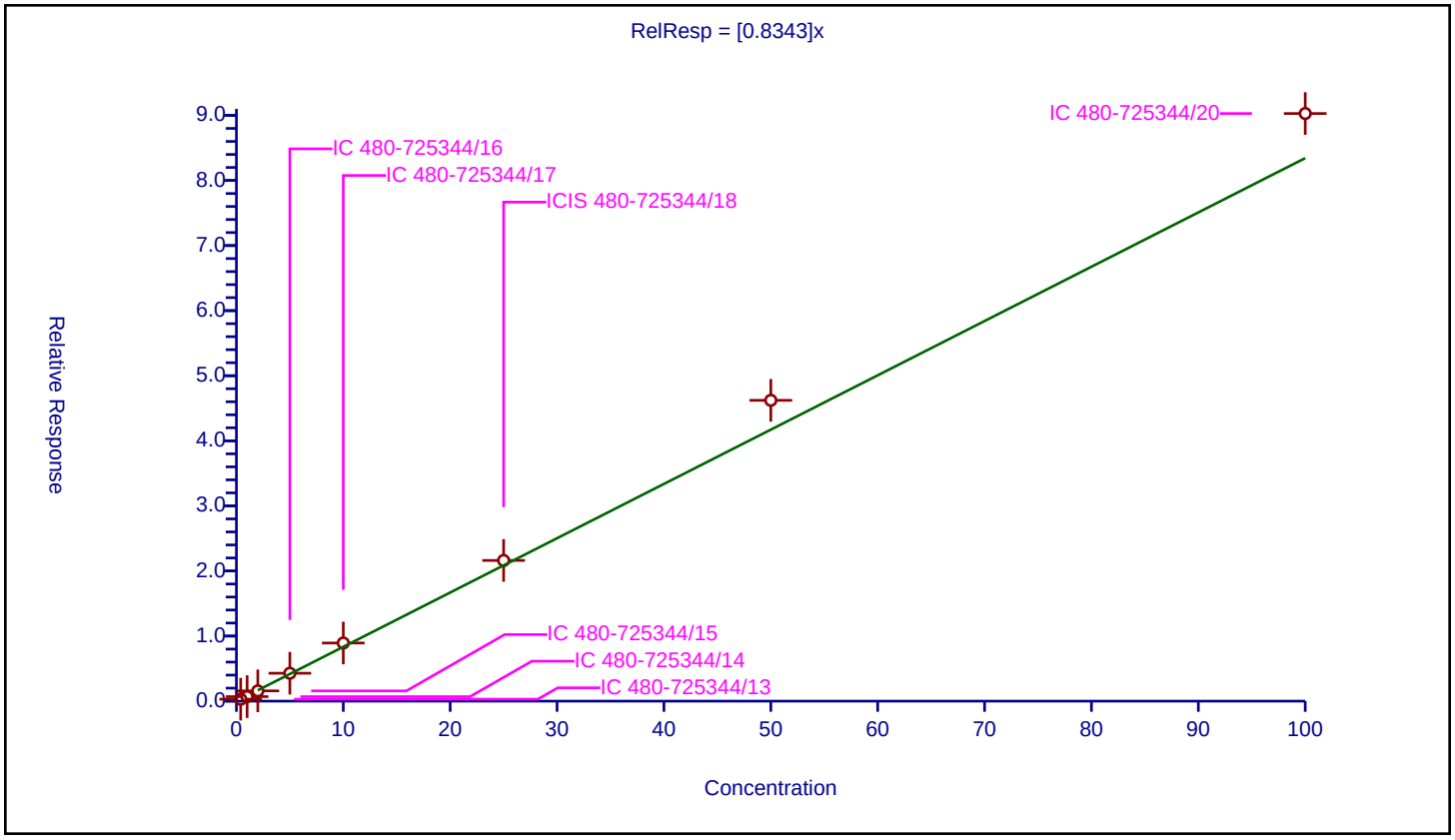
Curve Coefficients

Intercept:	0
Slope:	0.8343

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.299505	25.0	642394.0	0.748762	Y
2	IC 480-725344/14	1.0	0.695448	25.0	678340.0	0.695448	Y
3	IC 480-725344/15	2.0	1.575764	25.0	682066.0	0.787882	Y
4	IC 480-725344/16	5.0	4.286673	25.0	656494.0	0.857335	Y
5	IC 480-725344/17	10.0	8.932795	25.0	702297.0	0.893279	Y
6	ICIS 480-725344/18	25.0	21.616944	25.0	655672.0	0.864678	Y
7	IC 480-725344/19	50.0	46.222125	25.0	701757.0	0.924443	Y
8	IC 480-725344/20	100.0	90.289809	25.0	714780.0	0.902898	Y



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Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

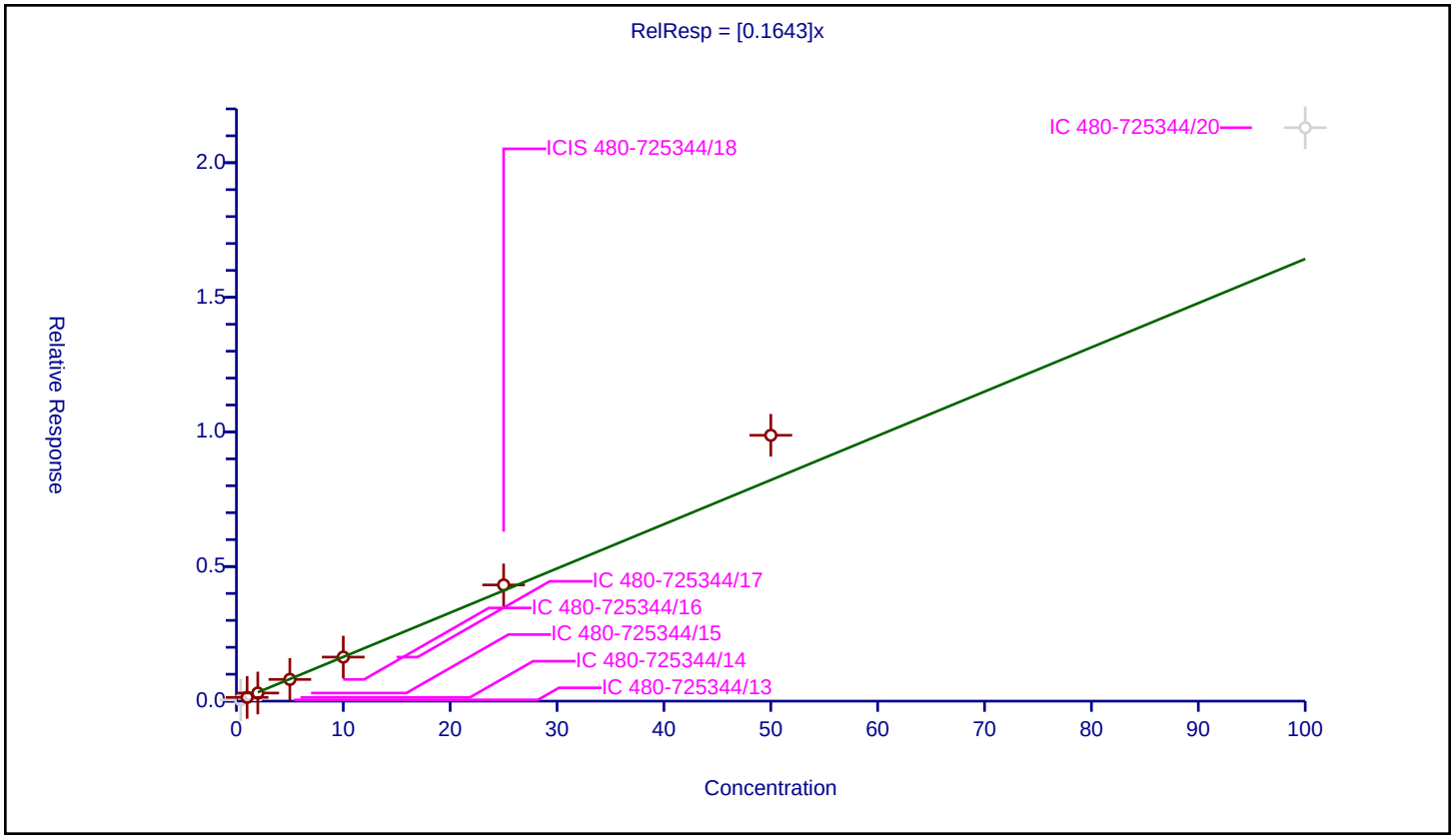
Curve Coefficients

Intercept:	0
Slope:	0.1643

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.046545	25.0	642394.0	0.116362	N
2	IC 480-725344/14	1.0	0.140048	25.0	678340.0	0.140048	Y
3	IC 480-725344/15	2.0	0.301217	25.0	682066.0	0.150609	Y
4	IC 480-725344/16	5.0	0.806443	25.0	656494.0	0.161289	Y
5	IC 480-725344/17	10.0	1.635455	25.0	702297.0	0.163545	Y
6	ICIS 480-725344/18	25.0	4.315992	25.0	655672.0	0.17264	Y
7	IC 480-725344/19	50.0	9.874999	25.0	701757.0	0.1975	Y
8	IC 480-725344/20	100.0	21.301939	25.0	714780.0	0.213019	N



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Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

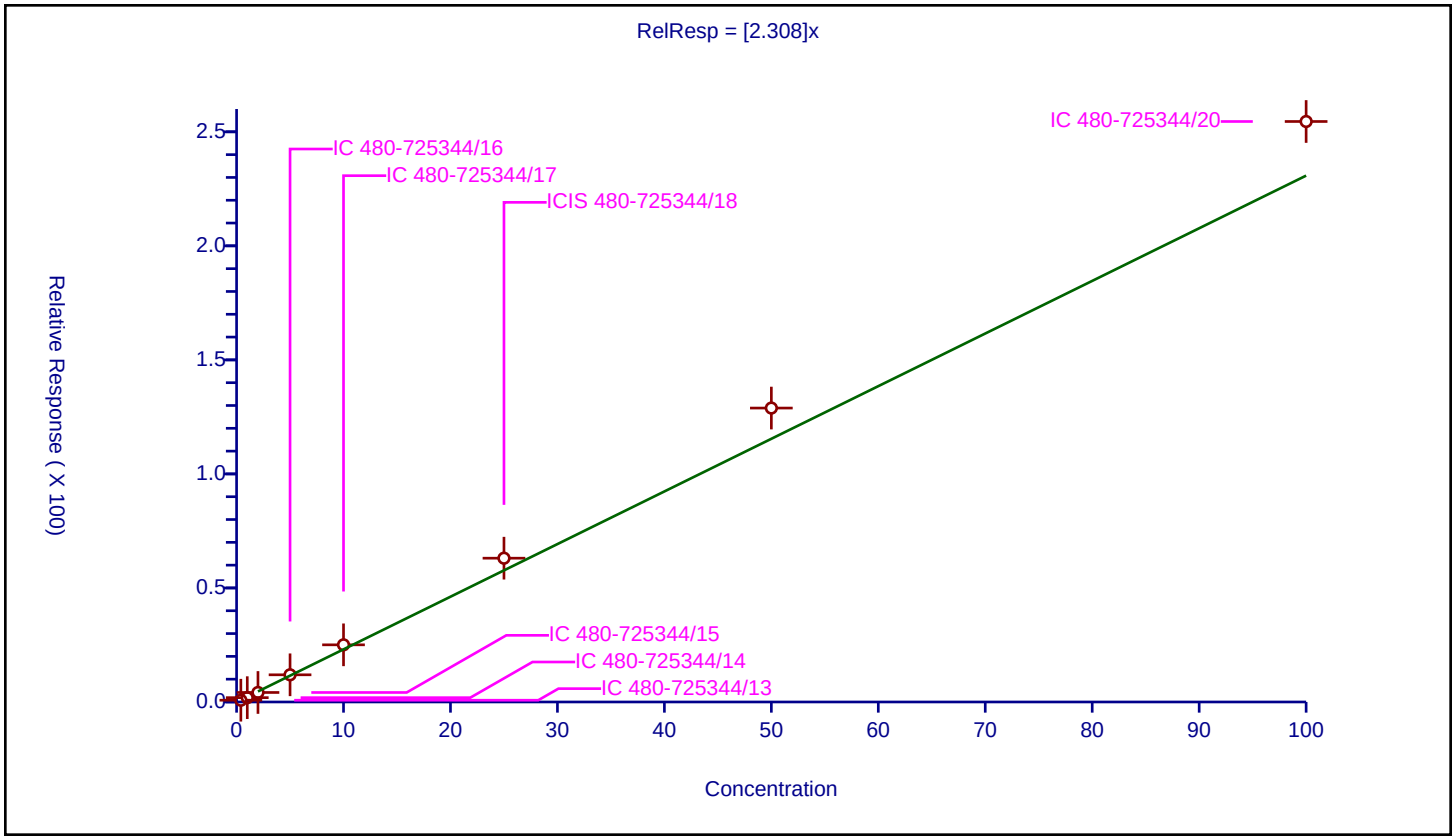
Curve Coefficients

Intercept:	0
Slope:	2.308

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.775325	25.0	324251.0	1.938313	Y
2	IC 480-725344/14	1.0	1.904989	25.0	341183.0	1.904989	Y
3	IC 480-725344/15	2.0	4.170023	25.0	350094.0	2.085011	Y
4	IC 480-725344/16	5.0	11.91865	25.0	338415.0	2.38373	Y
5	IC 480-725344/17	10.0	25.06591	25.0	361477.0	2.506591	Y
6	ICIS 480-725344/18	25.0	63.050388	25.0	335241.0	2.522016	Y
7	IC 480-725344/19	50.0	128.875541	25.0	368097.0	2.577511	Y
8	IC 480-725344/20	100.0	254.530466	25.0	371485.0	2.545305	Y



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Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

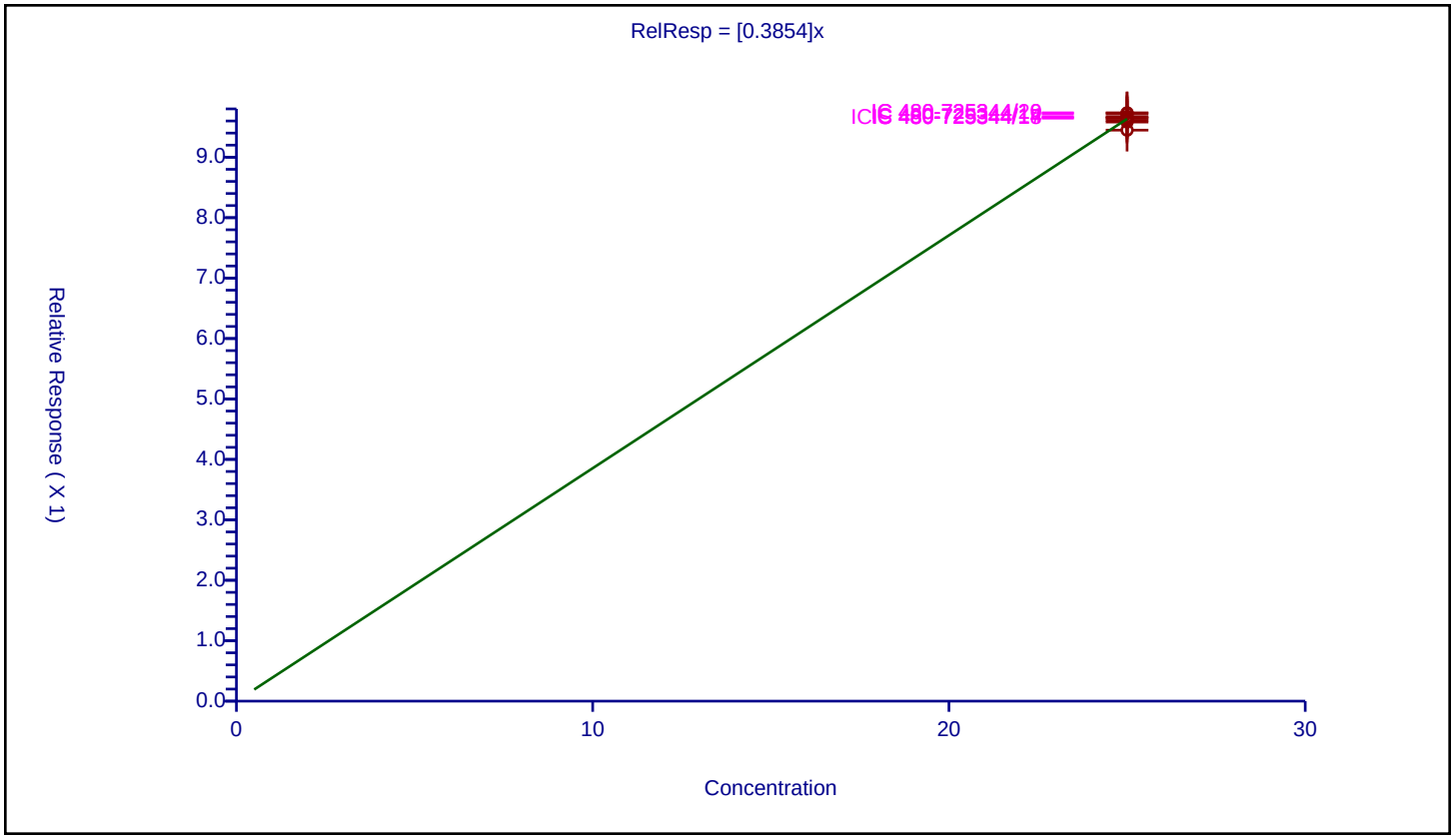
Curve Coefficients

Intercept:	0
Slope:	0.3854

Error Coefficients

Relative Standard Deviation:	0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	25.0	9.448212	25.0	642394.0	0.377928	Y
2	IC 480-725344/14	25.0	9.673504	25.0	678340.0	0.38694	Y
3	IC 480-725344/15	25.0	9.58232	25.0	682066.0	0.383293	Y
4	IC 480-725344/16	25.0	9.611131	25.0	656494.0	0.384445	Y
5	IC 480-725344/17	25.0	9.650511	25.0	702297.0	0.38602	Y
6	ICIS 480-725344/18	25.0	9.650023	25.0	655672.0	0.386001	Y
7	IC 480-725344/19	25.0	9.724449	25.0	701757.0	0.388978	Y
8	IC 480-725344/20	25.0	9.734953	25.0	714780.0	0.389398	Y



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Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

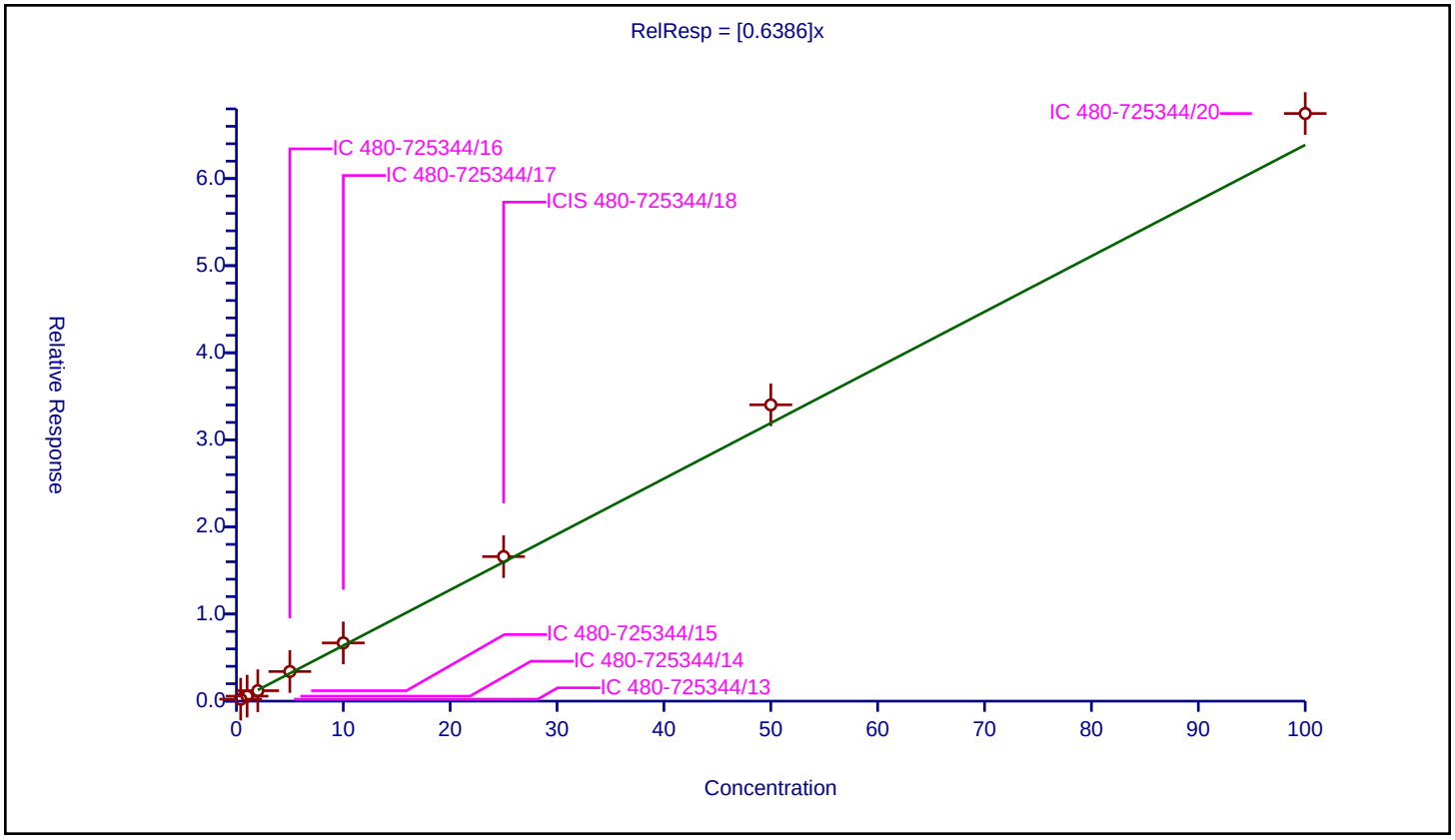
Curve Coefficients

Intercept:	0
Slope:	0.6386

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.22737	25.0	324251.0	0.568425	Y
2	IC 480-725344/14	1.0	0.573006	25.0	341183.0	0.573006	Y
3	IC 480-725344/15	2.0	1.199464	25.0	350094.0	0.599732	Y
4	IC 480-725344/16	5.0	3.400706	25.0	338415.0	0.680141	Y
5	IC 480-725344/17	10.0	6.687009	25.0	361477.0	0.668701	Y
6	ICIS 480-725344/18	25.0	16.597015	25.0	335241.0	0.663881	Y
7	IC 480-725344/19	50.0	34.024931	25.0	368097.0	0.680499	Y
8	IC 480-725344/20	100.0	67.470961	25.0	371485.0	0.67471	Y



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Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

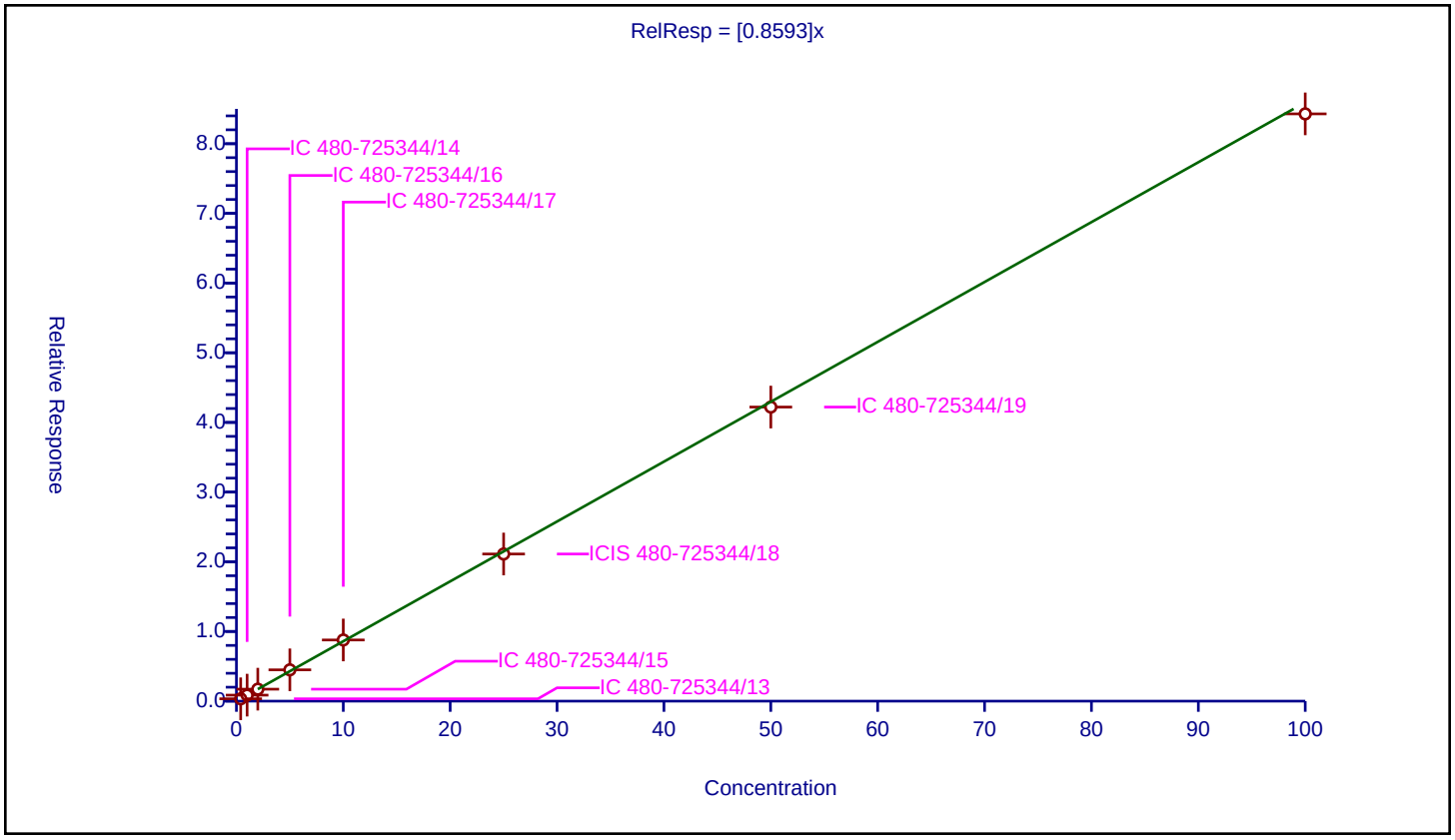
Curve Coefficients

Intercept:	0
Slope:	0.8593

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.337933	25.0	324251.0	0.844832	Y
2	IC 480-725344/14	1.0	0.863027	25.0	341183.0	0.863027	Y
3	IC 480-725344/15	2.0	1.717896	25.0	350094.0	0.858948	Y
4	IC 480-725344/16	5.0	4.492118	25.0	338415.0	0.898424	Y
5	IC 480-725344/17	10.0	8.77829	25.0	361477.0	0.877829	Y
6	ICIS 480-725344/18	25.0	21.116003	25.0	335241.0	0.84464	Y
7	IC 480-725344/19	50.0	42.20844	25.0	368097.0	0.844169	Y
8	IC 480-725344/20	100.0	84.285099	25.0	371485.0	0.842851	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

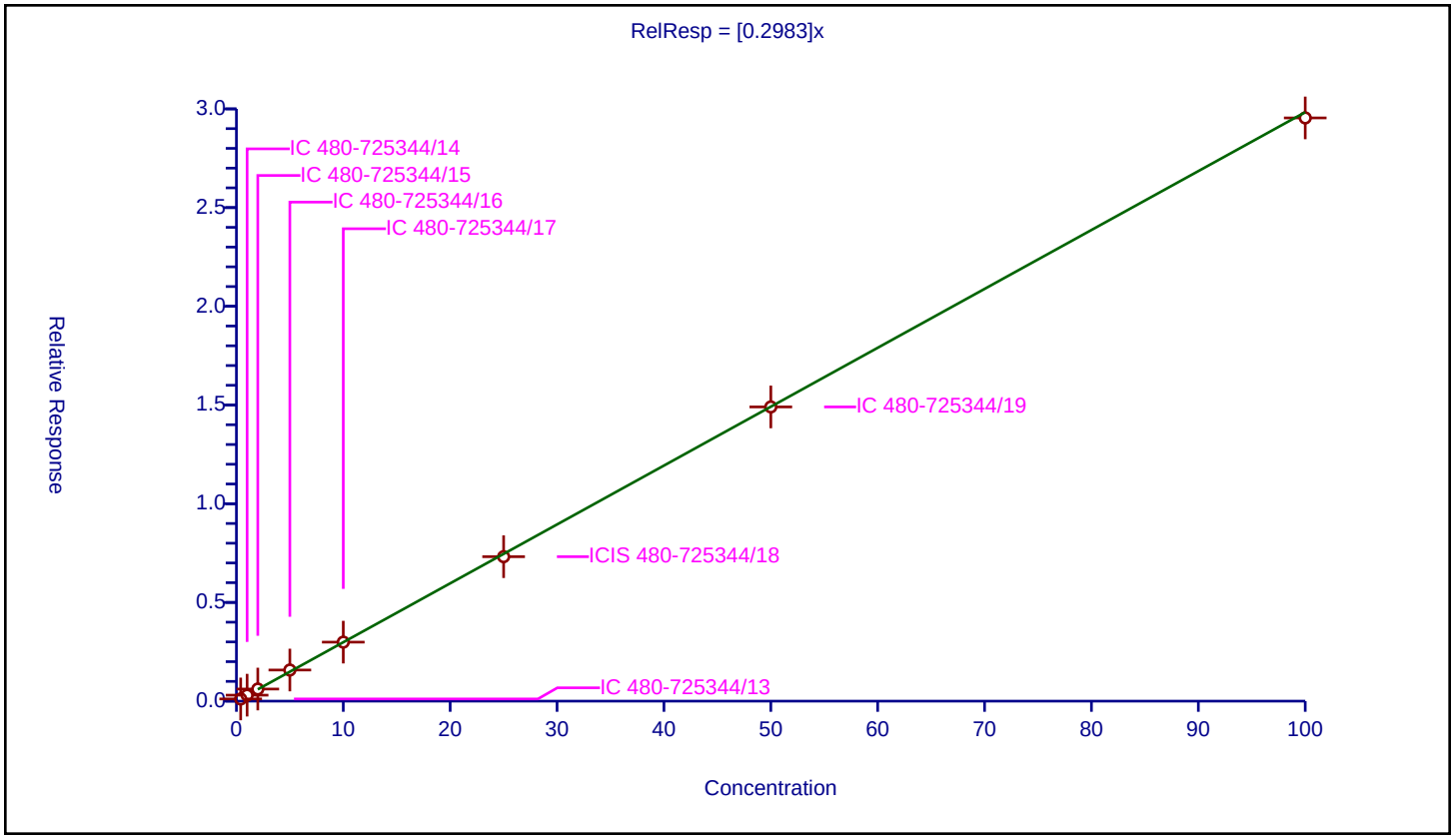
Curve Coefficients

Intercept:	0
Slope:	0.2983

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.11064	25.0	324251.0	0.276599	Y
2	IC 480-725344/14	1.0	0.302843	25.0	341183.0	0.302843	Y
3	IC 480-725344/15	2.0	0.613335	25.0	350094.0	0.306668	Y
4	IC 480-725344/16	5.0	1.576984	25.0	338415.0	0.315397	Y
5	IC 480-725344/17	10.0	2.988503	25.0	361477.0	0.29885	Y
6	ICIS 480-725344/18	25.0	7.316453	25.0	335241.0	0.292658	Y
7	IC 480-725344/19	50.0	14.902797	25.0	368097.0	0.298056	Y
8	IC 480-725344/20	100.0	29.542512	25.0	371485.0	0.295425	Y



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Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

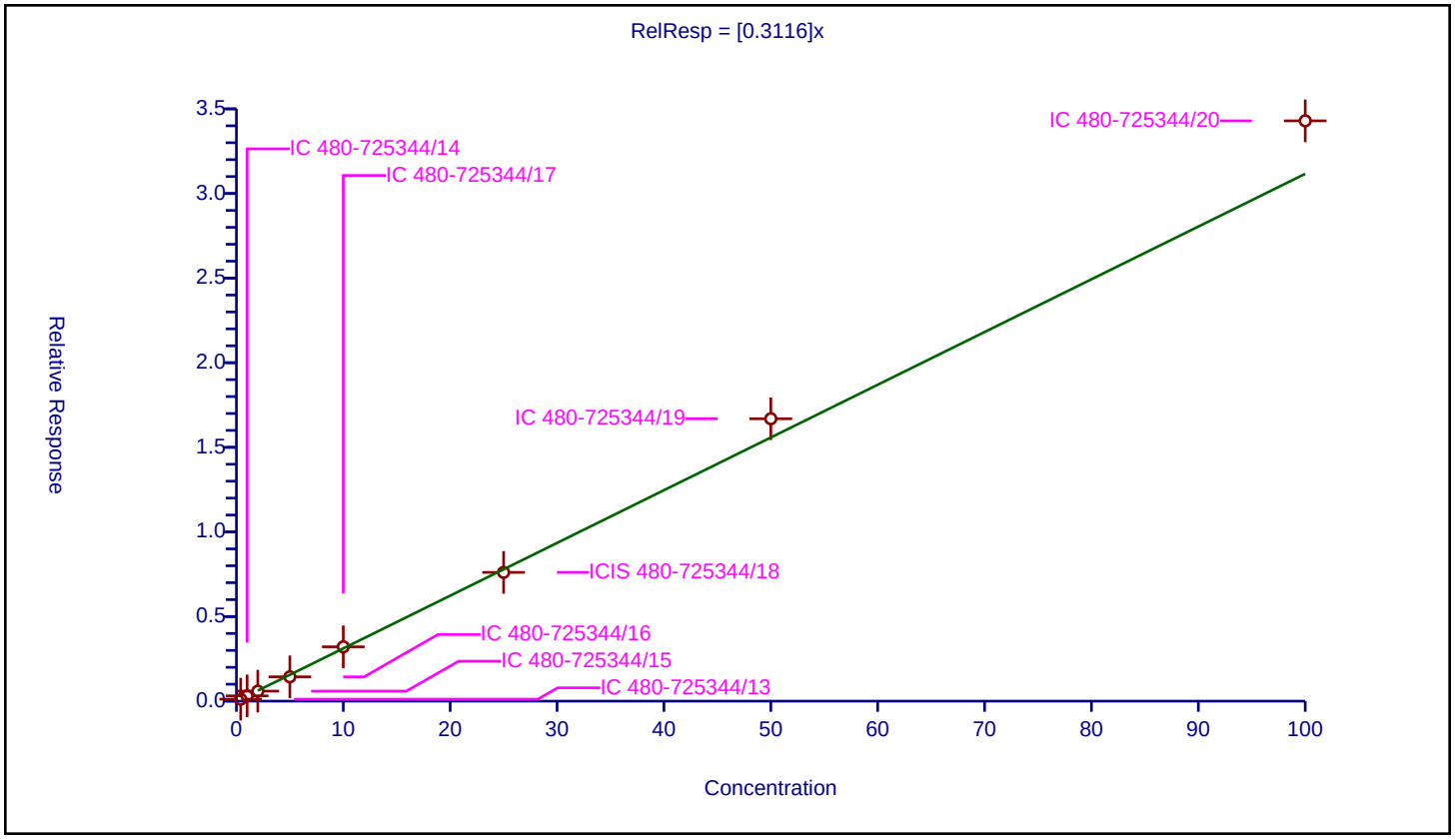
Curve Coefficients

Intercept:	0
Slope:	0.3116

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.11781	25.0	324251.0	0.294525	Y
2	IC 480-725344/14	1.0	0.312589	25.0	341183.0	0.312589	Y
3	IC 480-725344/15	2.0	0.59227	25.0	350094.0	0.296135	Y
4	IC 480-725344/16	5.0	1.437953	25.0	338415.0	0.287591	Y
5	IC 480-725344/17	10.0	3.209886	25.0	361477.0	0.320989	Y
6	ICIS 480-725344/18	25.0	7.609227	25.0	335241.0	0.304369	Y
7	IC 480-725344/19	50.0	16.688943	25.0	368097.0	0.333779	Y
8	IC 480-725344/20	100.0	34.293578	25.0	371485.0	0.342936	Y



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Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

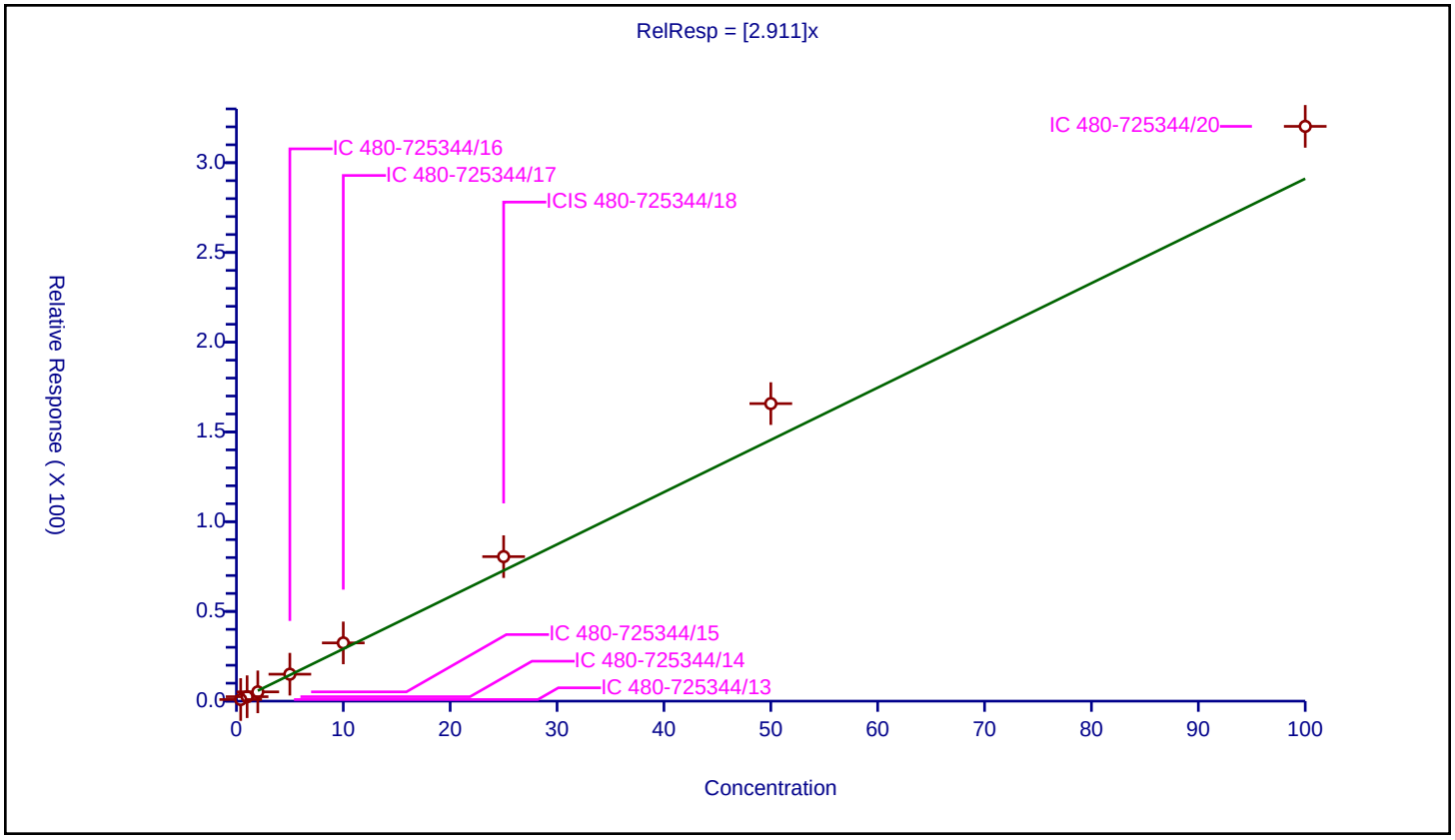
Curve Coefficients

Intercept:	0
Slope:	2.911

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.899535	25.0	324251.0	2.248837	Y
2	IC 480-725344/14	1.0	2.469569	25.0	341183.0	2.469569	Y
3	IC 480-725344/15	2.0	5.166327	25.0	350094.0	2.583163	Y
4	IC 480-725344/16	5.0	15.011746	25.0	338415.0	3.002349	Y
5	IC 480-725344/17	10.0	32.455523	25.0	361477.0	3.245552	Y
6	ICIS 480-725344/18	25.0	80.517822	25.0	335241.0	3.220713	Y
7	IC 480-725344/19	50.0	165.784698	25.0	368097.0	3.315694	Y
8	IC 480-725344/20	100.0	320.26071	25.0	371485.0	3.202607	Y



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Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

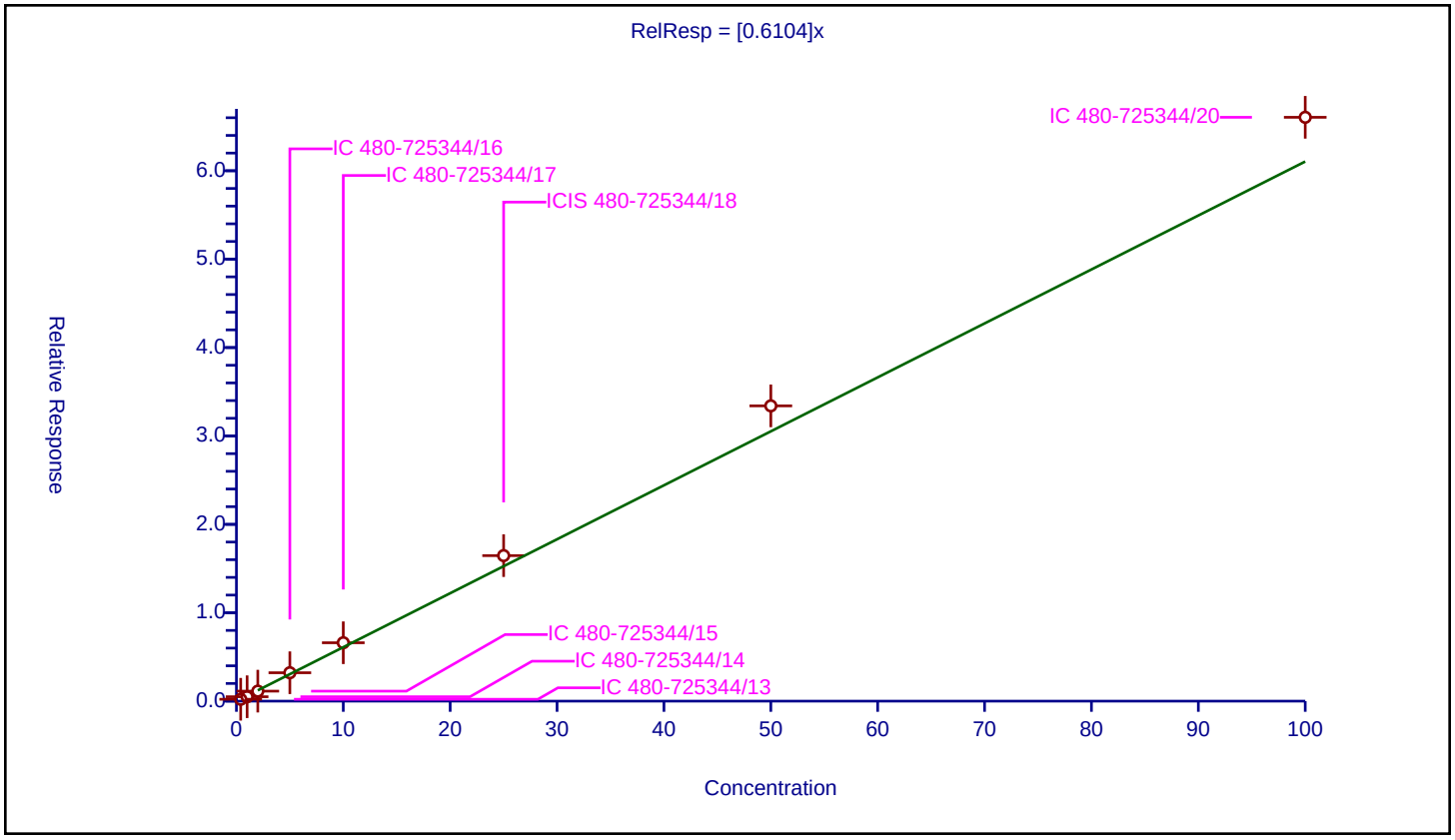
Curve Coefficients

Intercept:	0
Slope:	0.6104

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.211642	25.0	324251.0	0.529104	Y
2	IC 480-725344/14	1.0	0.498266	25.0	341183.0	0.498266	Y
3	IC 480-725344/15	2.0	1.13141	25.0	350094.0	0.565705	Y
4	IC 480-725344/16	5.0	3.213879	25.0	338415.0	0.642776	Y
5	IC 480-725344/17	10.0	6.605814	25.0	361477.0	0.660581	Y
6	ICIS 480-725344/18	25.0	16.462933	25.0	335241.0	0.658517	Y
7	IC 480-725344/19	50.0	33.404239	25.0	368097.0	0.668085	Y
8	IC 480-725344/20	100.0	66.046947	25.0	371485.0	0.660469	Y



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Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

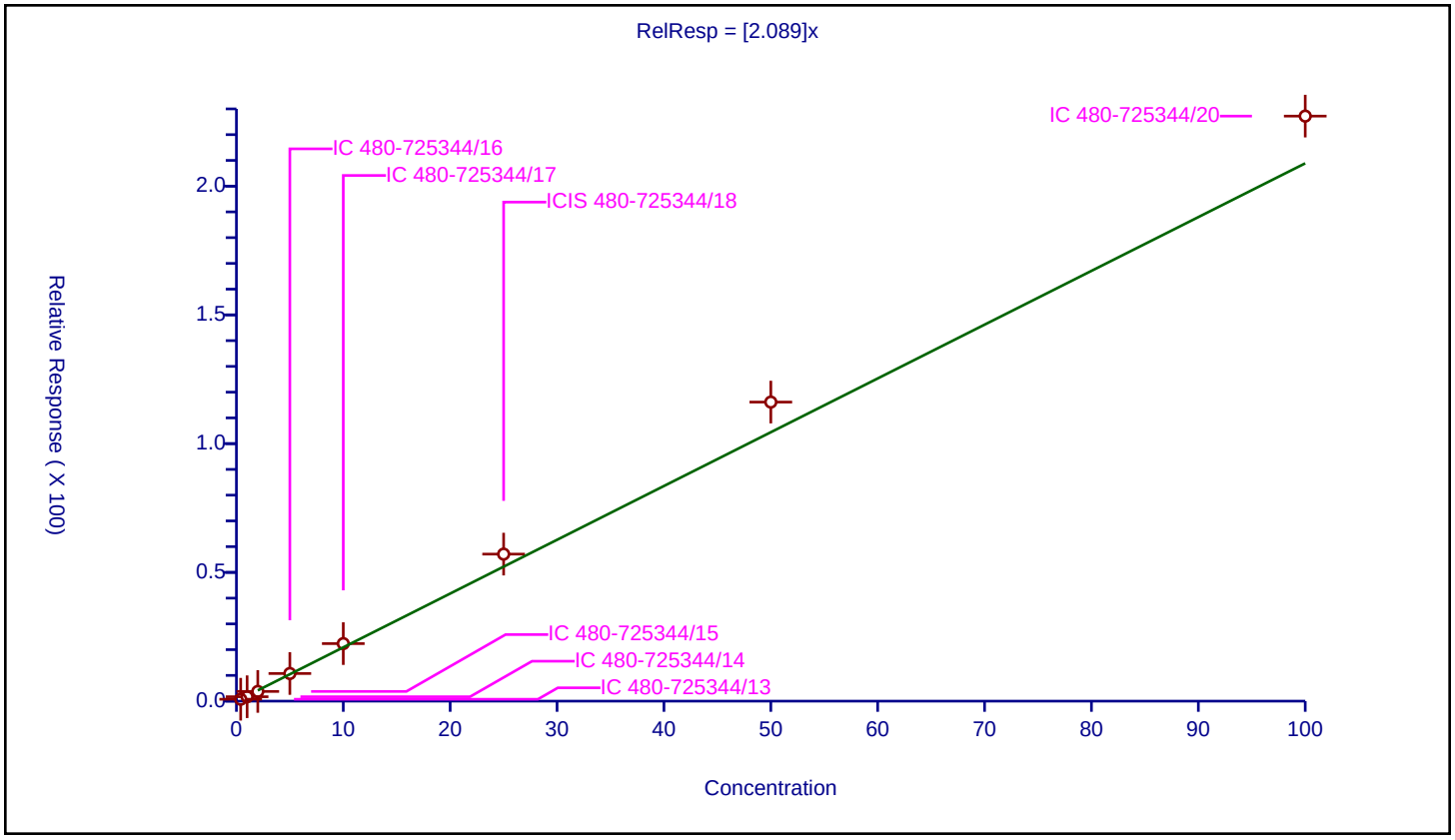
Curve Coefficients

Intercept:	0
Slope:	2.089

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.743174	25.0	324251.0	1.857936	Y
2	IC 480-725344/14	1.0	1.706635	25.0	341183.0	1.706635	Y
3	IC 480-725344/15	2.0	3.769202	25.0	350094.0	1.884601	Y
4	IC 480-725344/16	5.0	10.729208	25.0	338415.0	2.145842	Y
5	IC 480-725344/17	10.0	22.351837	25.0	361477.0	2.235184	Y
6	ICIS 480-725344/18	25.0	57.100787	25.0	335241.0	2.284031	Y
7	IC 480-725344/19	50.0	116.138817	25.0	368097.0	2.322776	Y
8	IC 480-725344/20	100.0	227.197868	25.0	371485.0	2.271979	Y



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Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

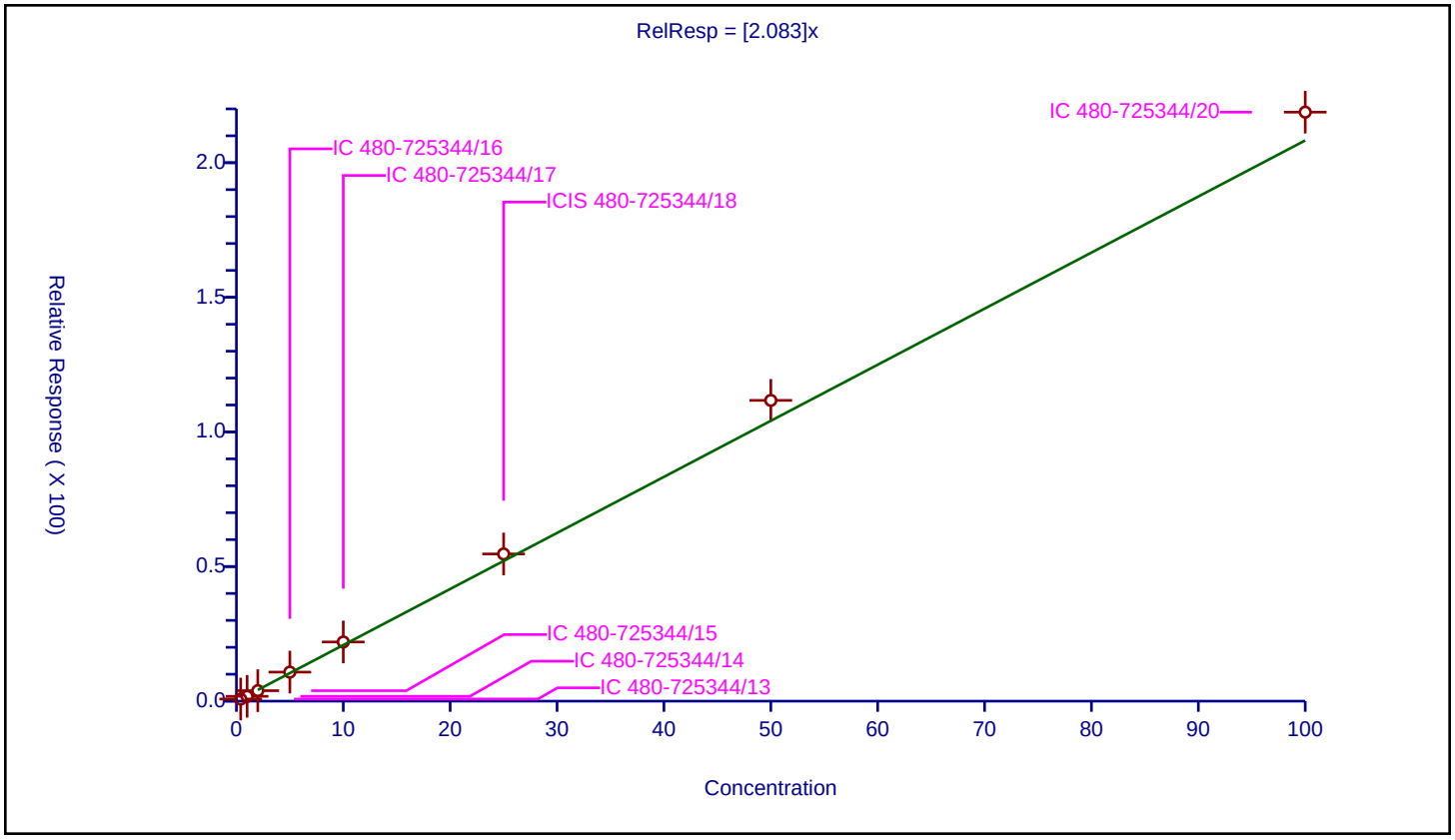
Curve Coefficients

Intercept:	0
Slope:	2.083

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.78265	25.0	324251.0	1.956625	Y
2	IC 480-725344/14	1.0	1.794198	25.0	341183.0	1.794198	Y
3	IC 480-725344/15	2.0	3.890384	25.0	350094.0	1.945192	Y
4	IC 480-725344/16	5.0	10.793626	25.0	338415.0	2.158725	Y
5	IC 480-725344/17	10.0	21.980029	25.0	361477.0	2.198003	Y
6	ICIS 480-725344/18	25.0	54.679246	25.0	335241.0	2.18717	Y
7	IC 480-725344/19	50.0	111.718922	25.0	368097.0	2.234378	Y
8	IC 480-725344/20	100.0	218.784608	25.0	371485.0	2.187846	Y



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Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

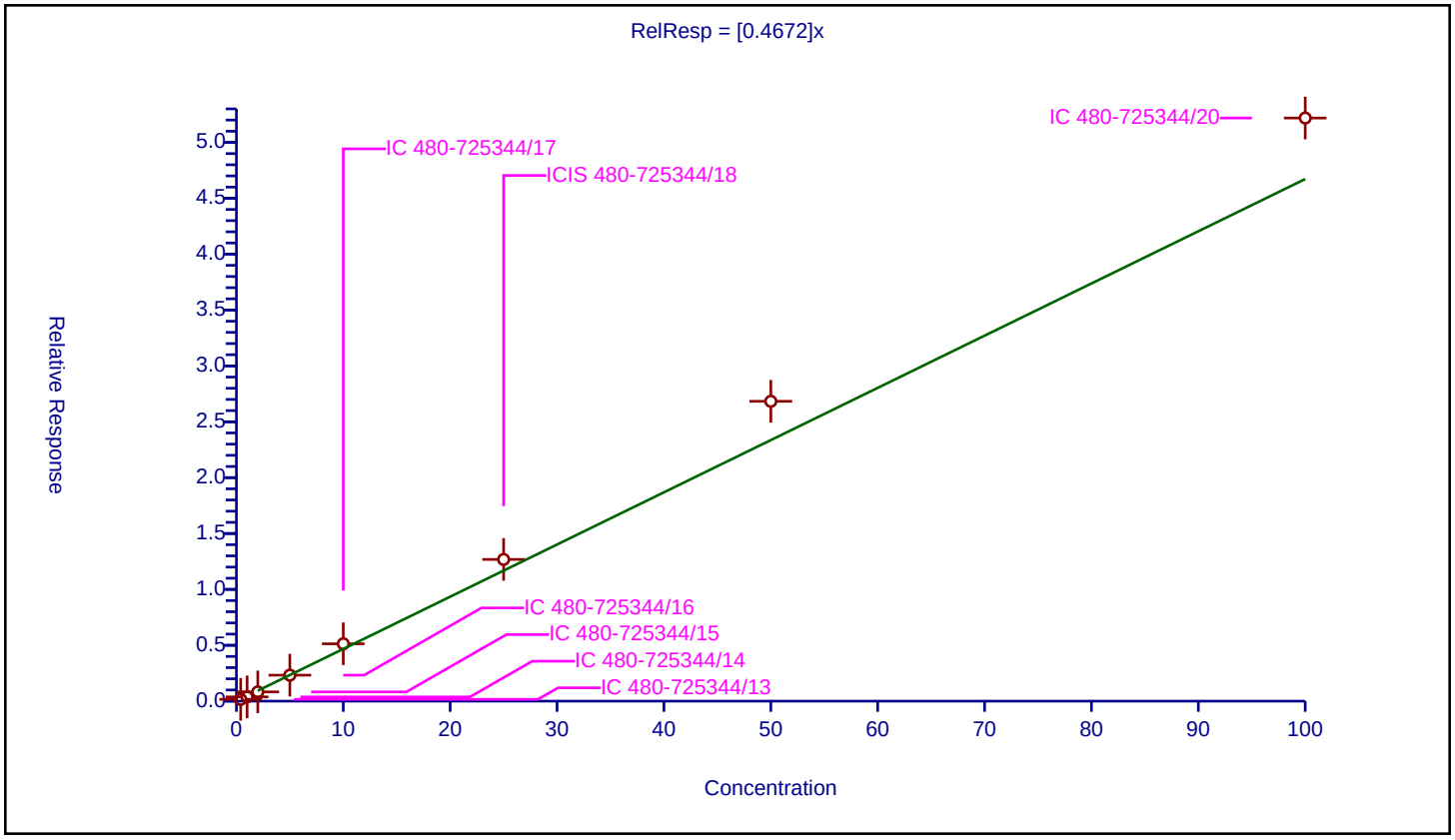
Curve Coefficients

Intercept:	0
Slope:	0.4672

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.159753	25.0	324251.0	0.399382	Y
2	IC 480-725344/14	1.0	0.380148	25.0	341183.0	0.380148	Y
3	IC 480-725344/15	2.0	0.827921	25.0	350094.0	0.41396	Y
4	IC 480-725344/16	5.0	2.325104	25.0	338415.0	0.465021	Y
5	IC 480-725344/17	10.0	5.133867	25.0	361477.0	0.513387	Y
6	ICIS 480-725344/18	25.0	12.68125	25.0	335241.0	0.50725	Y
7	IC 480-725344/19	50.0	26.831718	25.0	368097.0	0.536634	Y
8	IC 480-725344/20	100.0	52.183332	25.0	371485.0	0.521833	Y



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Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

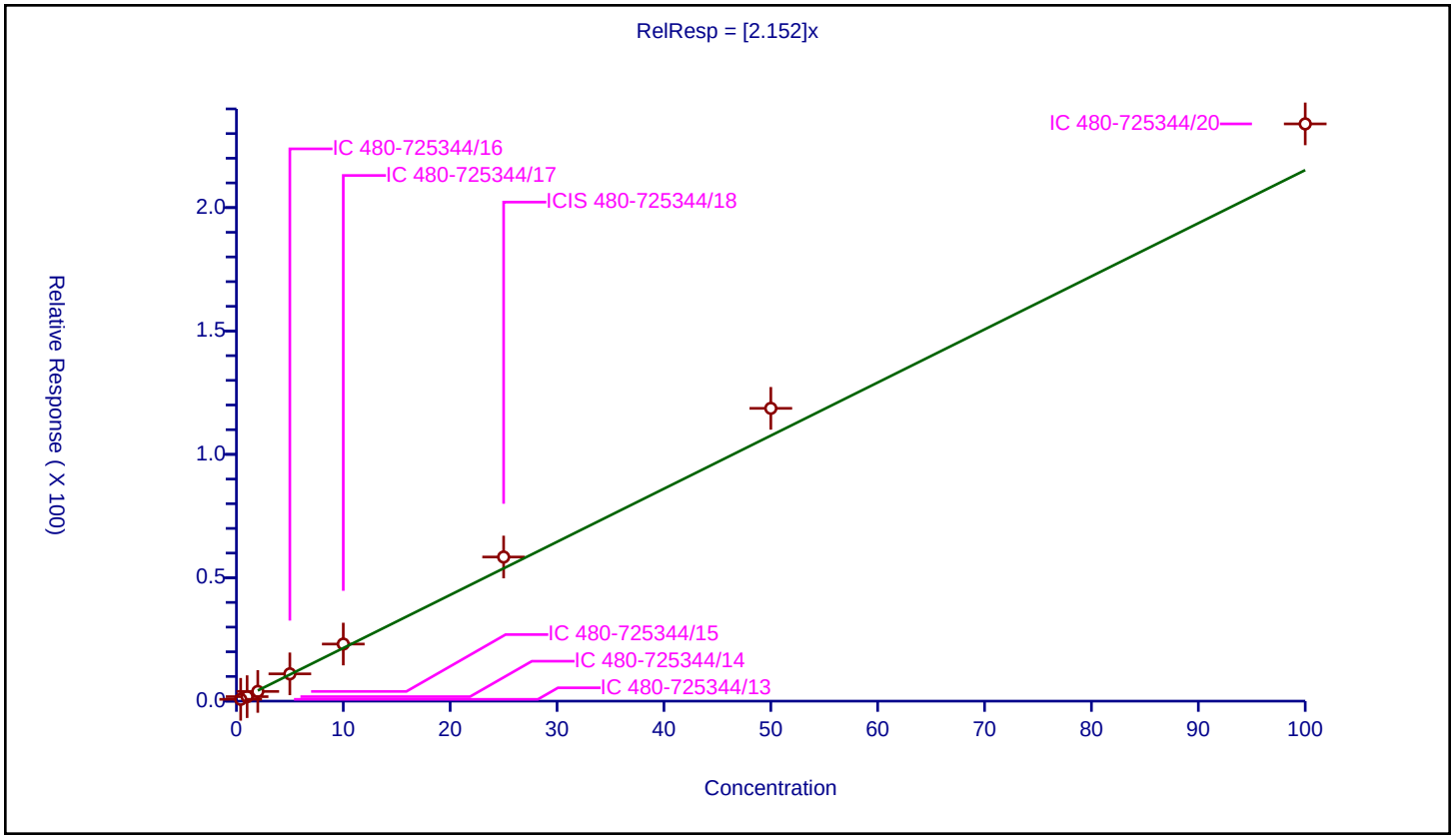
Curve Coefficients

Intercept:	0
Slope:	2.152

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.741555	25.0	324251.0	1.853888	Y
2	IC 480-725344/14	1.0	1.822409	25.0	341183.0	1.822409	Y
3	IC 480-725344/15	2.0	3.931944	25.0	350094.0	1.965972	Y
4	IC 480-725344/16	5.0	11.056617	25.0	338415.0	2.211323	Y
5	IC 480-725344/17	10.0	23.134044	25.0	361477.0	2.313404	Y
6	ICIS 480-725344/18	25.0	58.401344	25.0	335241.0	2.336054	Y
7	IC 480-725344/19	50.0	118.653711	25.0	368097.0	2.373074	Y
8	IC 480-725344/20	100.0	233.926336	25.0	371485.0	2.339263	Y



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Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

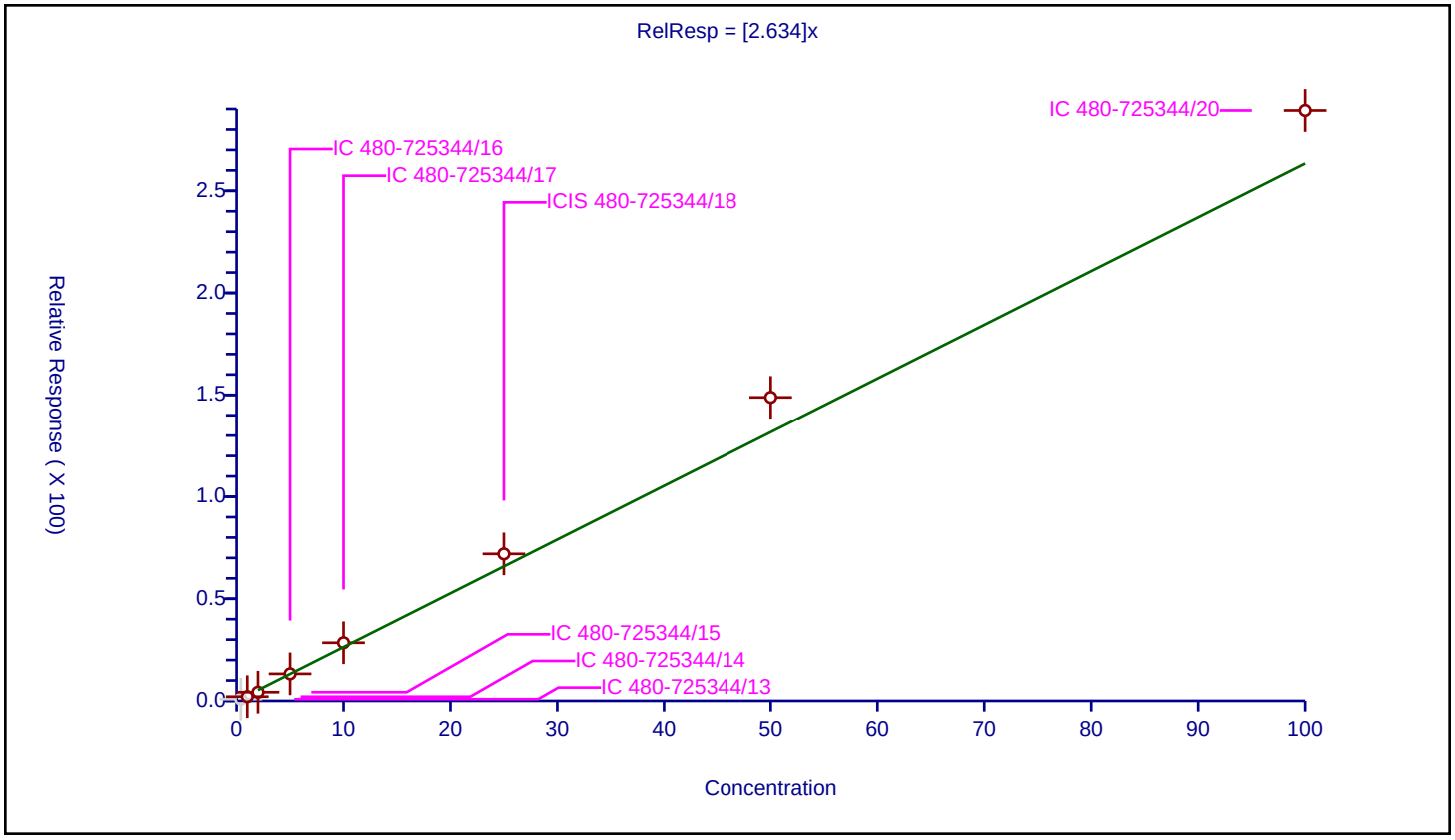
Curve Coefficients

Intercept:	0
Slope:	2.634

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.851115	25.0	324251.0	2.127788	N
2	IC 480-725344/14	1.0	2.061211	25.0	341183.0	2.061211	Y
3	IC 480-725344/15	2.0	4.262284	25.0	350094.0	2.131142	Y
4	IC 480-725344/16	5.0	13.244463	25.0	338415.0	2.648893	Y
5	IC 480-725344/17	10.0	28.462392	25.0	361477.0	2.846239	Y
6	ICIS 480-725344/18	25.0	71.984707	25.0	335241.0	2.879388	Y
7	IC 480-725344/19	50.0	148.780552	25.0	368097.0	2.975611	Y
8	IC 480-725344/20	100.0	289.288666	25.0	371485.0	2.892887	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

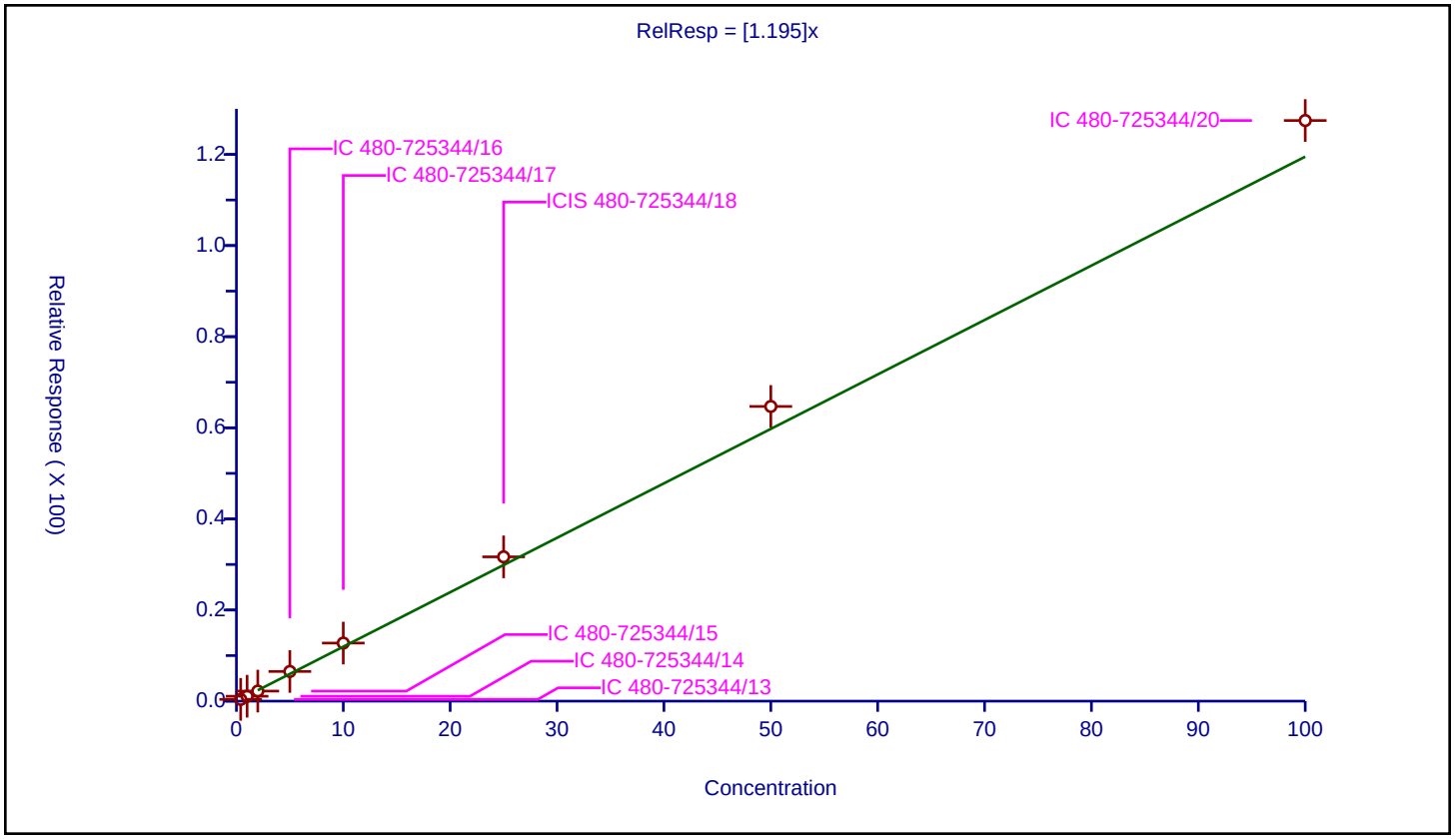
Curve Coefficients

Intercept:	0
Slope:	1.195

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.386352	25.0	324251.0	0.96588	Y
2	IC 480-725344/14	1.0	1.077428	25.0	341183.0	1.077428	Y
3	IC 480-725344/15	2.0	2.209407	25.0	350094.0	1.104703	Y
4	IC 480-725344/16	5.0	6.515816	25.0	338415.0	1.303163	Y
5	IC 480-725344/17	10.0	12.746869	25.0	361477.0	1.274687	Y
6	ICIS 480-725344/18	25.0	31.672215	25.0	335241.0	1.266889	Y
7	IC 480-725344/19	50.0	64.683222	25.0	368097.0	1.293664	Y
8	IC 480-725344/20	100.0	127.442629	25.0	371485.0	1.274426	Y



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Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

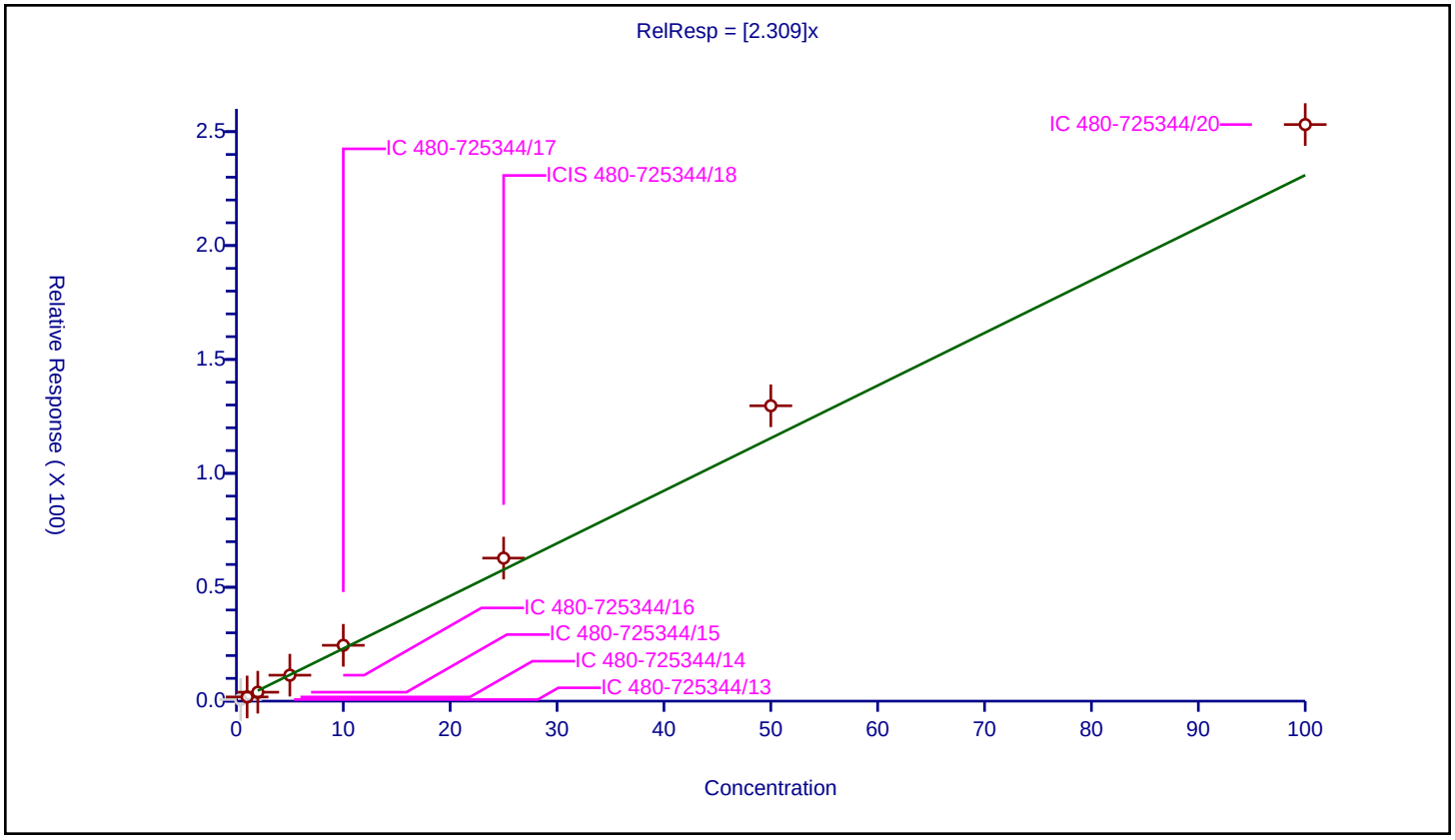
Curve Coefficients

Intercept:	0
Slope:	2.309

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.704624	25.0	324251.0	1.76156	N
2	IC 480-725344/14	1.0	1.832521	25.0	341183.0	1.832521	Y
3	IC 480-725344/15	2.0	3.926517	25.0	350094.0	1.963258	Y
4	IC 480-725344/16	5.0	11.399244	25.0	338415.0	2.279849	Y
5	IC 480-725344/17	10.0	24.515875	25.0	361477.0	2.451588	Y
6	ICIS 480-725344/18	25.0	62.796093	25.0	335241.0	2.511844	Y
7	IC 480-725344/19	50.0	129.679609	25.0	368097.0	2.593592	Y
8	IC 480-725344/20	100.0	253.125698	25.0	371485.0	2.531257	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

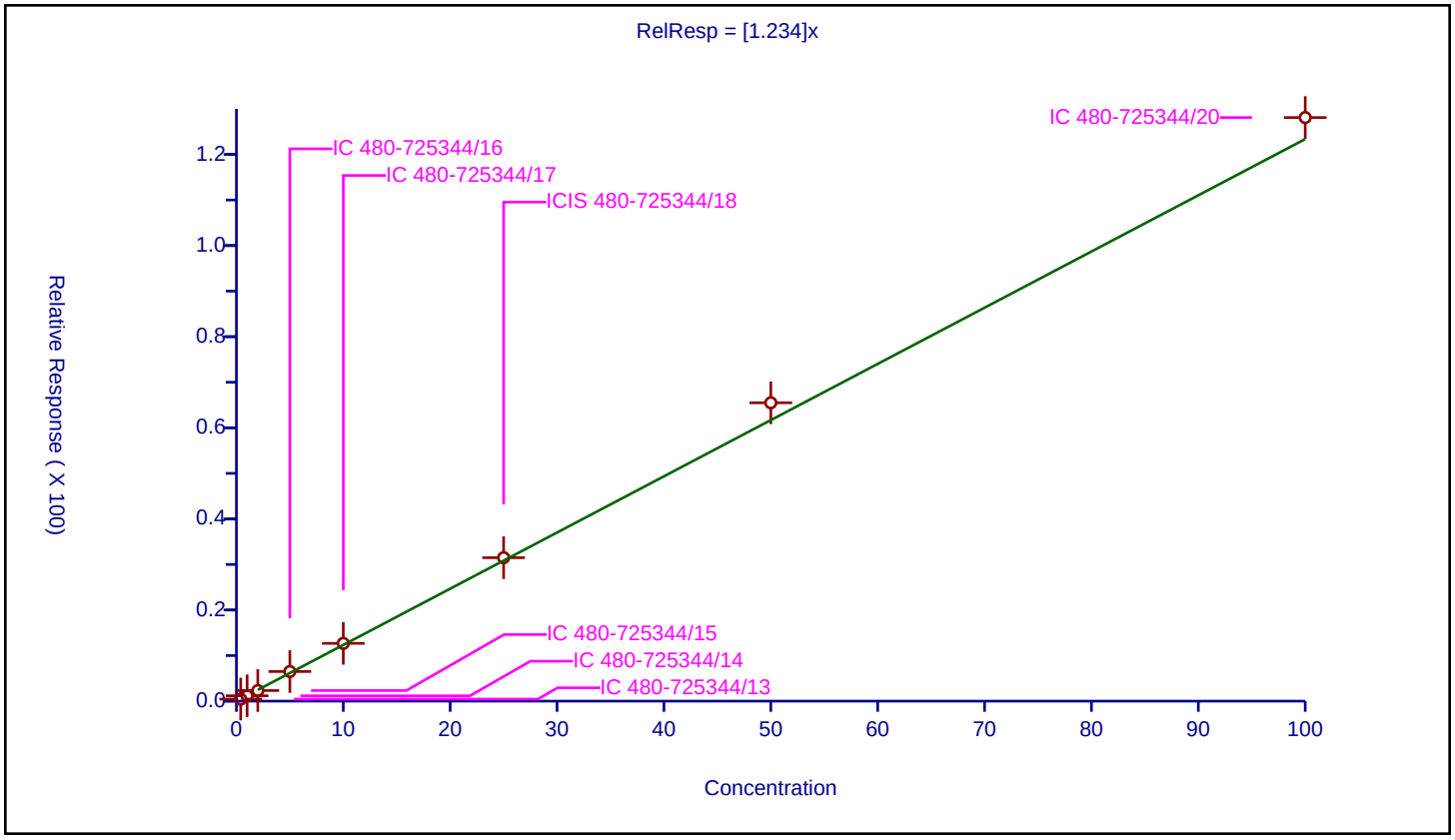
Curve Coefficients

Intercept:	0
Slope:	1.234

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.448187	25.0	324251.0	1.120467	Y
2	IC 480-725344/14	1.0	1.169534	25.0	341183.0	1.169534	Y
3	IC 480-725344/15	2.0	2.321662	25.0	350094.0	1.160831	Y
4	IC 480-725344/16	5.0	6.499564	25.0	338415.0	1.299913	Y
5	IC 480-725344/17	10.0	12.686146	25.0	361477.0	1.268615	Y
6	ICIS 480-725344/18	25.0	31.484738	25.0	335241.0	1.25939	Y
7	IC 480-725344/19	50.0	65.49415	25.0	368097.0	1.309883	Y
8	IC 480-725344/20	100.0	128.098712	25.0	371485.0	1.280987	Y



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Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

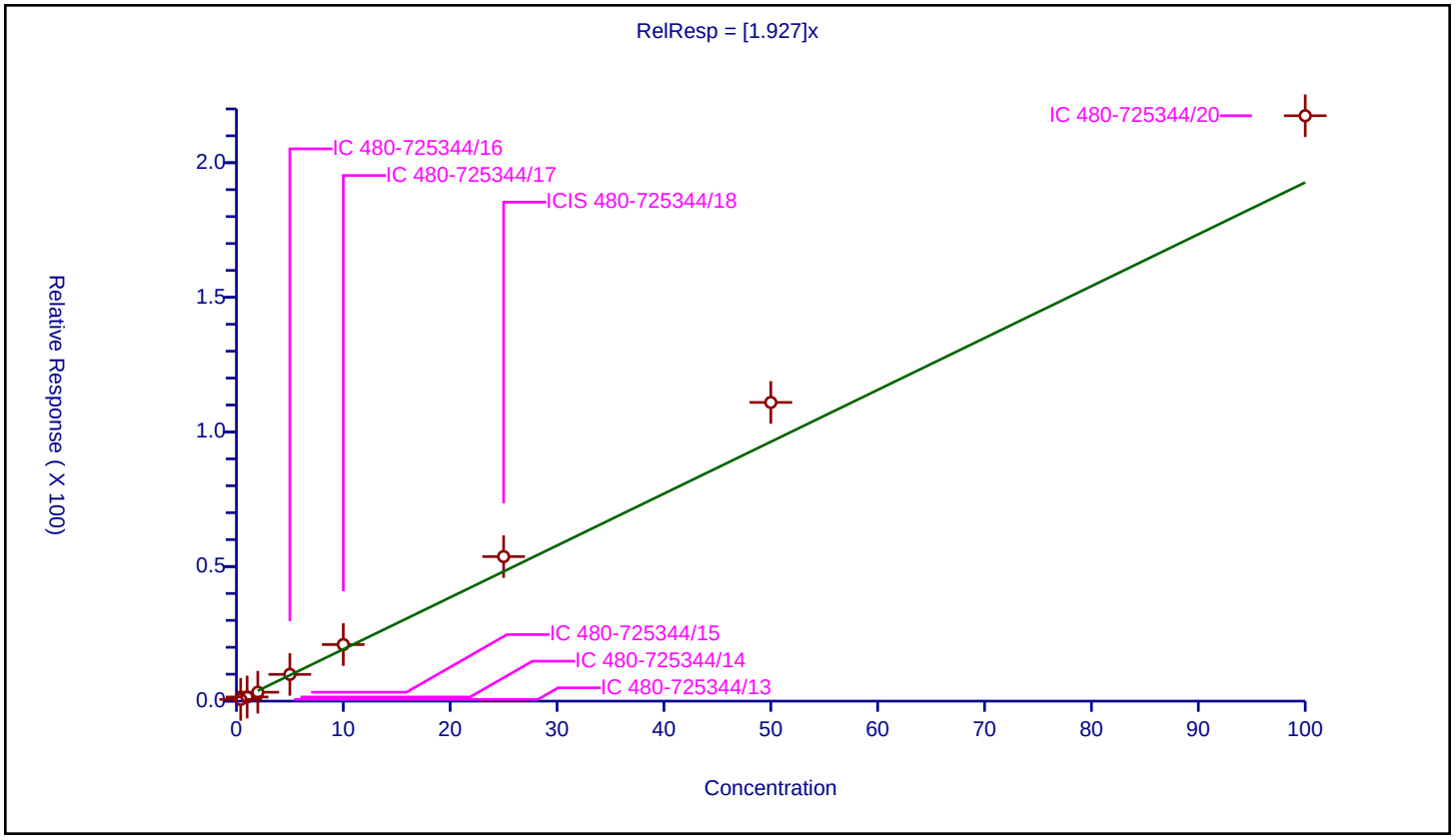
Curve Coefficients

Intercept:	0
Slope:	1.927

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.637238	25.0	324251.0	1.593095	Y
2	IC 480-725344/14	1.0	1.536859	25.0	341183.0	1.536859	Y
3	IC 480-725344/15	2.0	3.308397	25.0	350094.0	1.654199	Y
4	IC 480-725344/16	5.0	9.935951	25.0	338415.0	1.98719	Y
5	IC 480-725344/17	10.0	21.017658	25.0	361477.0	2.101766	Y
6	ICIS 480-725344/18	25.0	53.699279	25.0	335241.0	2.147971	Y
7	IC 480-725344/19	50.0	110.960358	25.0	368097.0	2.219207	Y
8	IC 480-725344/20	100.0	217.454608	25.0	371485.0	2.174546	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

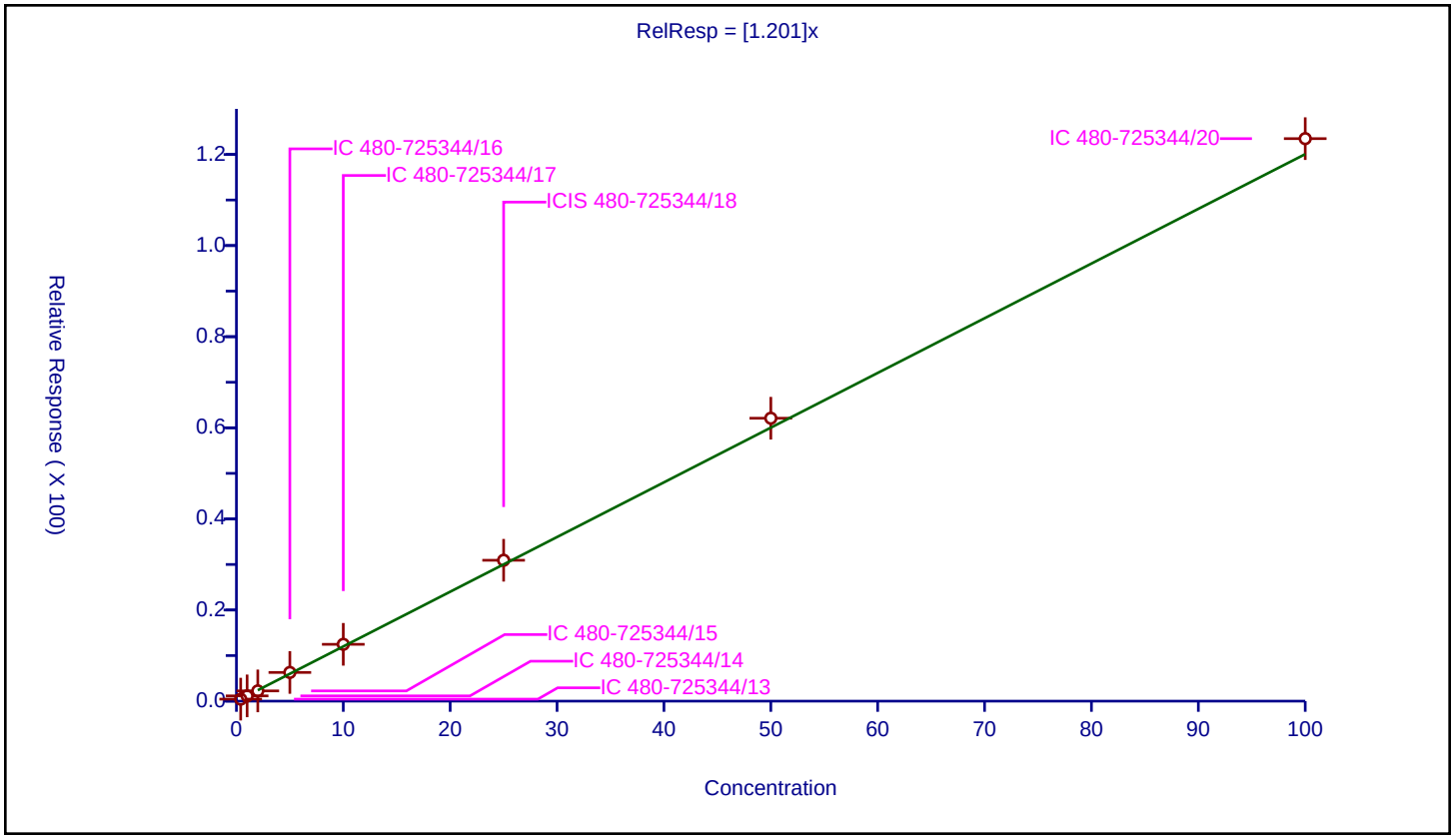
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.441556	25.0	324251.0	1.10389	Y
2	IC 480-725344/14	1.0	1.155025	25.0	341183.0	1.155025	Y
3	IC 480-725344/15	2.0	2.24961	25.0	350094.0	1.124805	Y
4	IC 480-725344/16	5.0	6.301139	25.0	338415.0	1.260228	Y
5	IC 480-725344/17	10.0	12.473754	25.0	361477.0	1.247375	Y
6	ICIS 480-725344/18	25.0	30.923649	25.0	335241.0	1.236946	Y
7	IC 480-725344/19	50.0	62.104282	25.0	368097.0	1.242086	Y
8	IC 480-725344/20	100.0	123.47053	25.0	371485.0	1.234705	Y



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Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

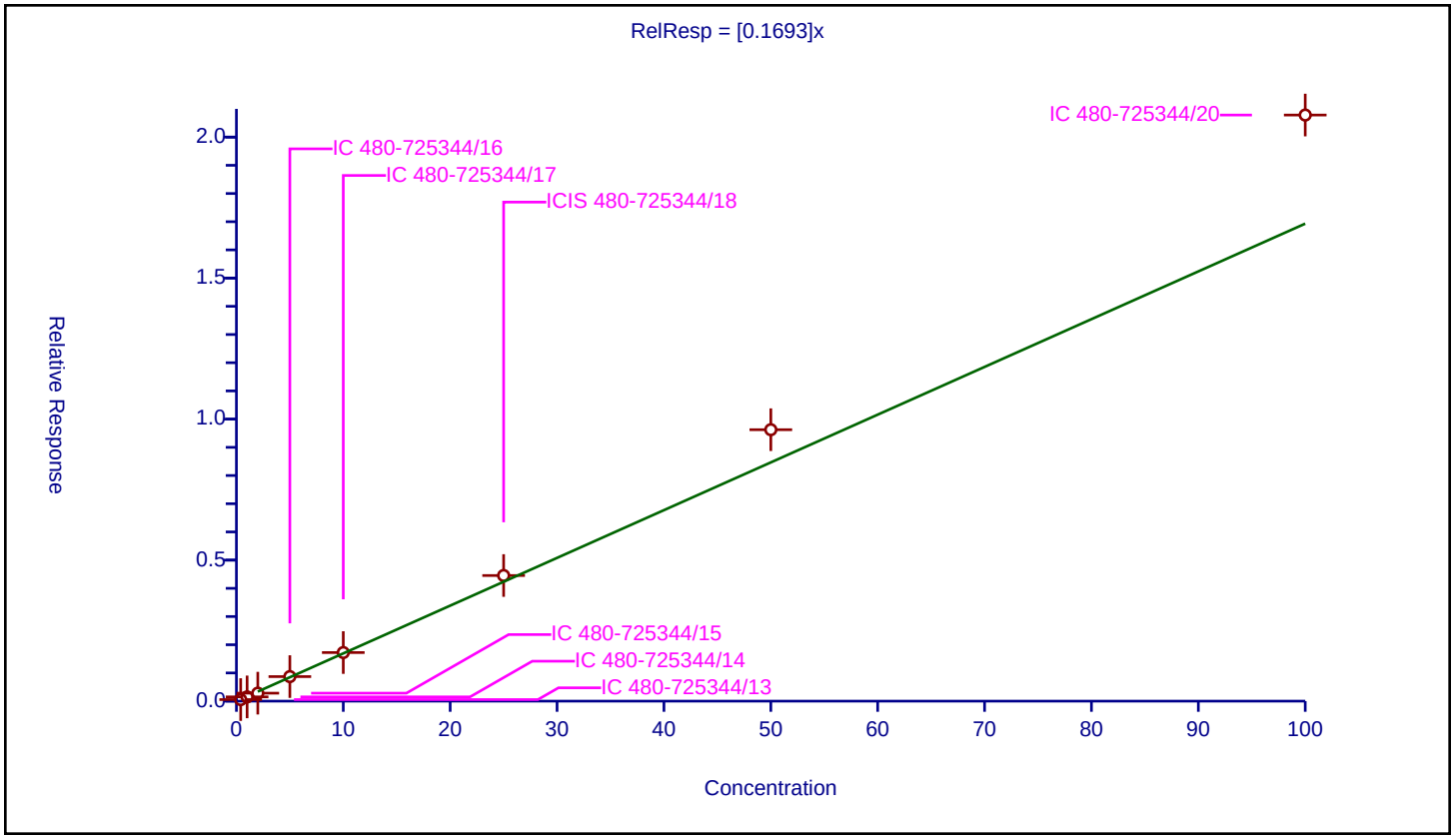
Curve Coefficients

Intercept:	0
Slope:	0.1693

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.054896	25.0	324251.0	0.137239	Y
2	IC 480-725344/14	1.0	0.150945	25.0	341183.0	0.150945	Y
3	IC 480-725344/15	2.0	0.28271	25.0	350094.0	0.141355	Y
4	IC 480-725344/16	5.0	0.870381	25.0	338415.0	0.174076	Y
5	IC 480-725344/17	10.0	1.723	25.0	361477.0	0.1723	Y
6	ICIS 480-725344/18	25.0	4.454482	25.0	335241.0	0.178179	Y
7	IC 480-725344/19	50.0	9.624705	25.0	368097.0	0.192494	Y
8	IC 480-725344/20	100.0	20.782131	25.0	371485.0	0.207821	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

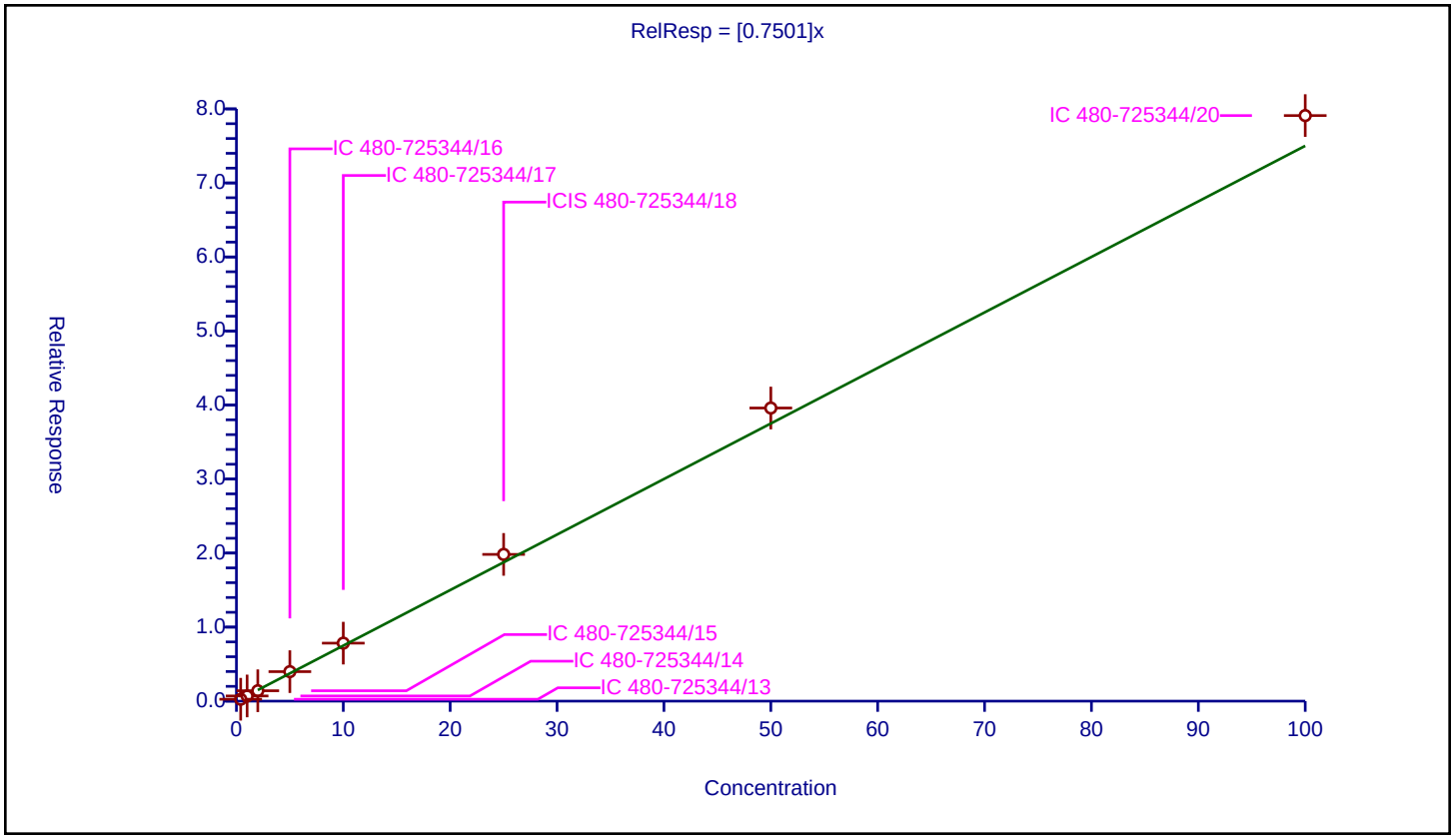
Curve Coefficients

Intercept:	0
Slope:	0.7501

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.257517	25.0	324251.0	0.643791	Y
2	IC 480-725344/14	1.0	0.698013	25.0	341183.0	0.698013	Y
3	IC 480-725344/15	2.0	1.404837	25.0	350094.0	0.702418	Y
4	IC 480-725344/16	5.0	3.985861	25.0	338415.0	0.797172	Y
5	IC 480-725344/17	10.0	7.835353	25.0	361477.0	0.783535	Y
6	ICIS 480-725344/18	25.0	19.82089	25.0	335241.0	0.792836	Y
7	IC 480-725344/19	50.0	39.592553	25.0	368097.0	0.791851	Y
8	IC 480-725344/20	100.0	79.09532	25.0	371485.0	0.790953	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

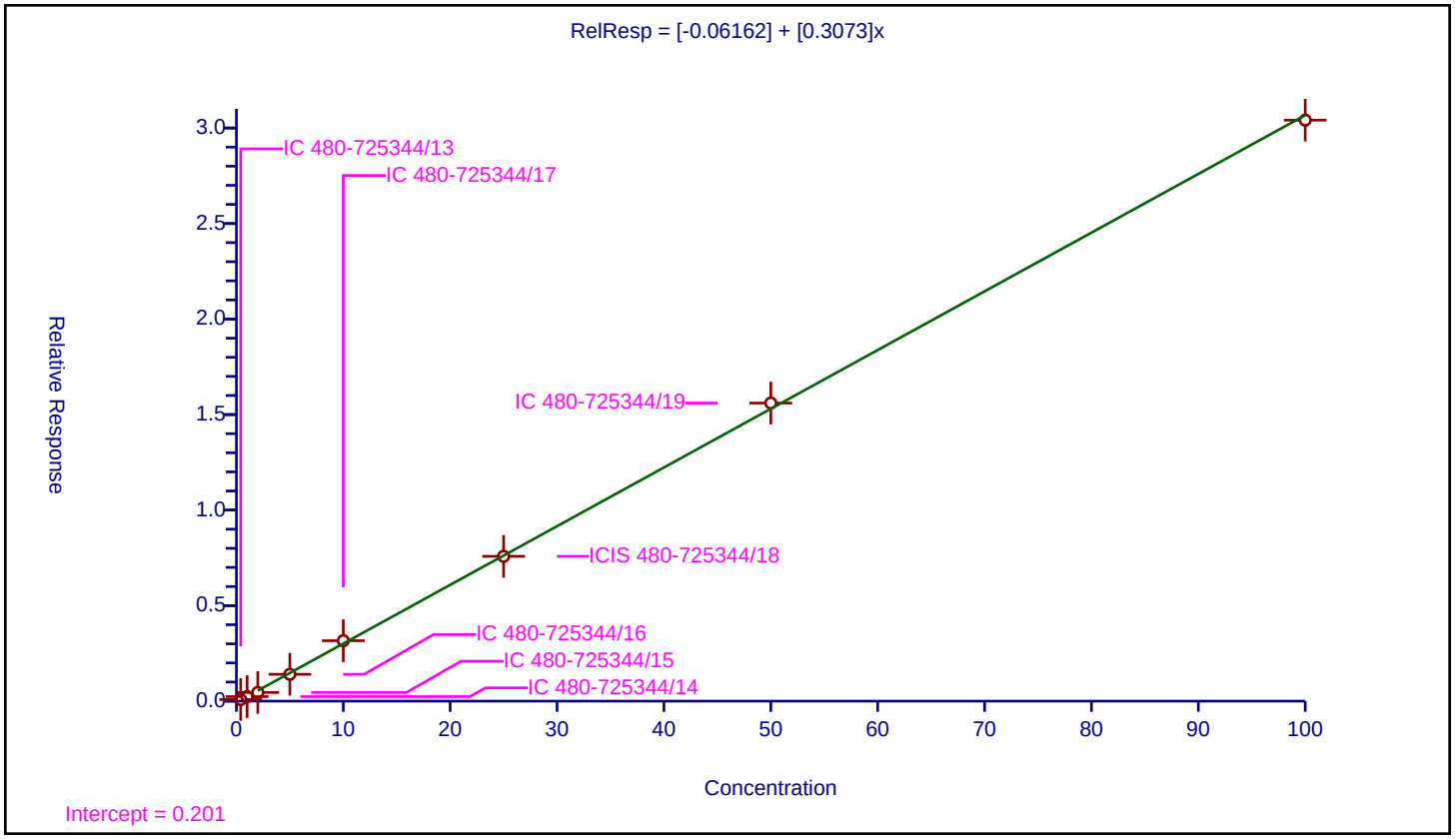
Curve Coefficients

Intercept:	-0.06162
Slope:	0.3073

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.083038	25.0	324251.0	0.207594	Y
2	IC 480-725344/14	1.0	0.237702	25.0	341183.0	0.237702	Y
3	IC 480-725344/15	2.0	0.453664	25.0	350094.0	0.226832	Y
4	IC 480-725344/16	5.0	1.406483	25.0	338415.0	0.281297	Y
5	IC 480-725344/17	10.0	3.162511	25.0	361477.0	0.316251	Y
6	ICIS 480-725344/18	25.0	7.580218	25.0	335241.0	0.303209	Y
7	IC 480-725344/19	50.0	15.6037	25.0	368097.0	0.312074	Y
8	IC 480-725344/20	100.0	30.410313	25.0	371485.0	0.304103	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

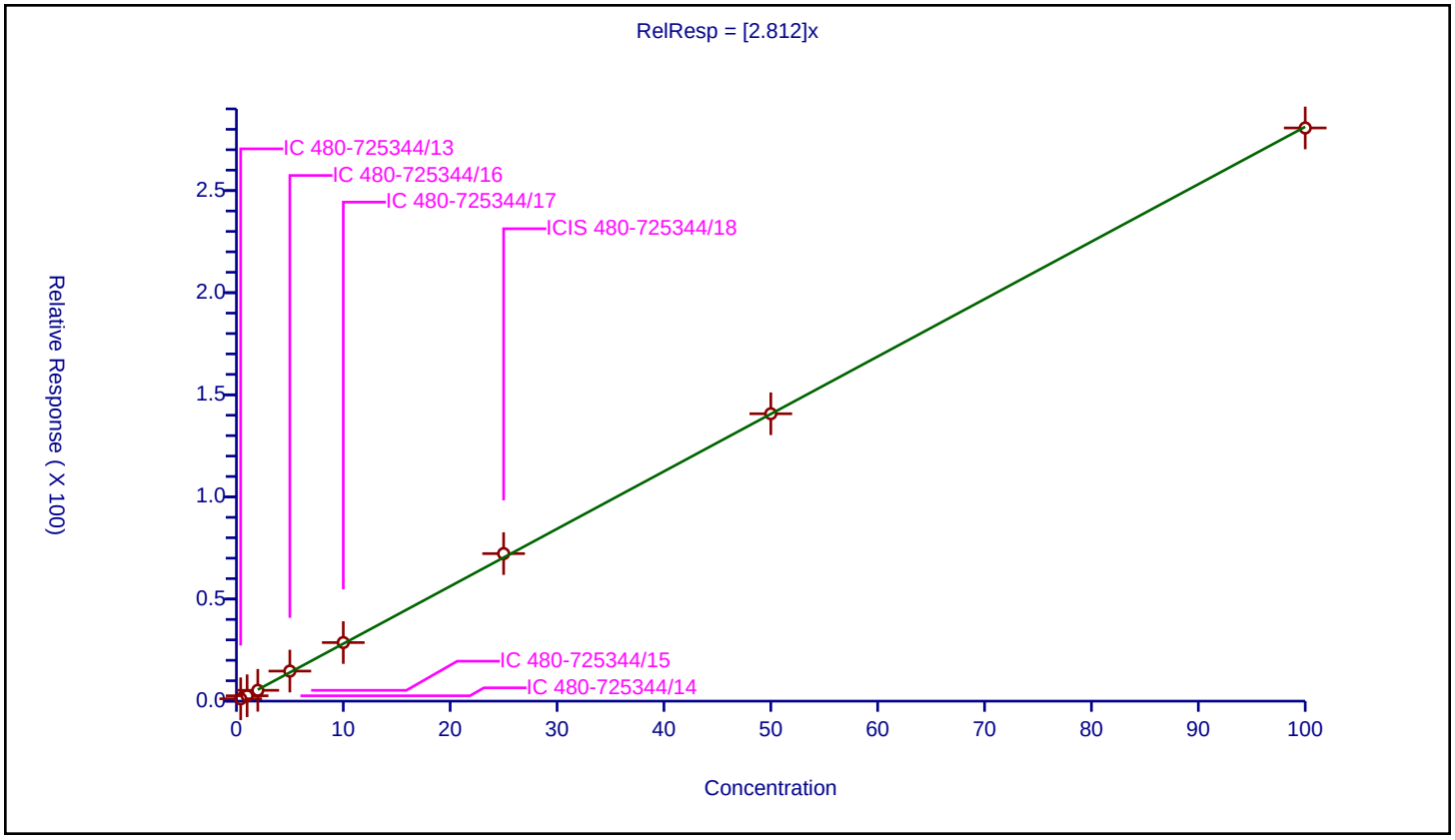
Curve Coefficients

Intercept:	0
Slope:	2.812

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	1.157668	25.0	324251.0	2.89417	Y
2	IC 480-725344/14	1.0	2.629381	25.0	341183.0	2.629381	Y
3	IC 480-725344/15	2.0	5.305147	25.0	350094.0	2.652573	Y
4	IC 480-725344/16	5.0	14.71108	25.0	338415.0	2.942216	Y
5	IC 480-725344/17	10.0	28.687856	25.0	361477.0	2.868786	Y
6	ICIS 480-725344/18	25.0	72.250038	25.0	335241.0	2.890002	Y
7	IC 480-725344/19	50.0	140.728531	25.0	368097.0	2.814571	Y
8	IC 480-725344/20	100.0	280.666918	25.0	371485.0	2.806669	Y



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Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

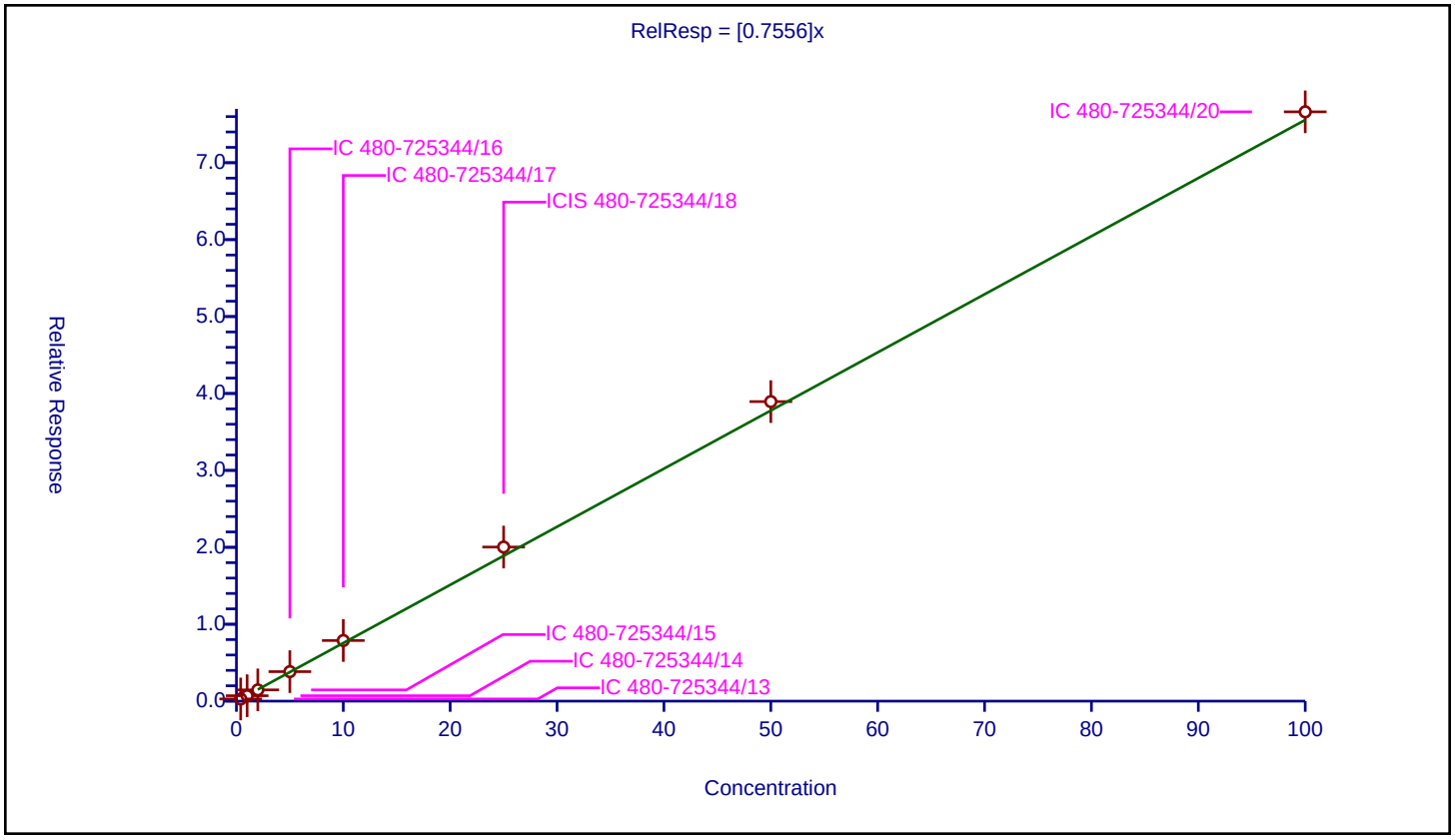
Curve Coefficients

Intercept:	0
Slope:	0.7556

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-725344/13	0.4	0.283191	25.0	324251.0	0.707978	Y
2	IC 480-725344/14	1.0	0.704241	25.0	341183.0	0.704241	Y
3	IC 480-725344/15	2.0	1.462607	25.0	350094.0	0.731304	Y
4	IC 480-725344/16	5.0	3.83405	25.0	338415.0	0.76681	Y
5	IC 480-725344/17	10.0	7.88342	25.0	361477.0	0.788342	Y
6	ICIS 480-725344/18	25.0	20.0332	25.0	335241.0	0.801328	Y
7	IC 480-725344/19	50.0	38.945781	25.0	368097.0	0.778916	Y
8	IC 480-725344/20	100.0	76.618908	25.0	371485.0	0.766189	Y



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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 Calibration End Date: 09/25/2024 00:23 Calibration ID: 47335

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-726083/5	L8803.D
Level 2	IC 480-726083/6	L8804.D
Level 3	IC 480-726083/7	L8805.D
Level 4	IC 480-726083/8	L8806.D
Level 5	IC 480-726083/9	L8807.D
Level 6	ICIS 480-726083/10	L8808.D
Level 7	IC 480-726083/11	L8809.D
Level 8	IC 480-726083/12	L8810.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7622 1.7190	1.5751 1.7702	1.5536 1.7444	1.6807	1.5362	Ave		1.6677			0.1000	5.9		20.0			
Chloromethane	2.2294 1.7770	1.7340 1.8244	1.7657 1.8288	1.7530	1.6284	Ave		1.8176			0.1000	9.8		20.0			
Vinyl chloride	1.4609 1.4985	1.5192 1.5826	1.4651 1.5813	1.4696	1.3710	Ave		1.4935			0.1000	4.7		20.0			
Butadiene	+++++ 1.1861	1.1728 1.3729	1.2748 1.4463	1.3239	1.1580	Ave		1.2764				8.7		20.0			
Bromomethane	1.2832 1.0083	1.1285 1.0782	1.1338 1.0752	1.0984	1.0148	Ave		1.1025			0.1000	7.8		20.0			
Chloroethane	0.9509 1.0198	1.0644 1.0398	1.0457 1.0375	1.0202	0.9107	Ave		1.0111			0.1000	5.2		20.0			
Dichlorofluoromethane	2.6087 2.5572	2.5695 2.6412	2.6226 2.6399	2.4044	2.4551	Ave		2.5623				3.4		20.0			
Trichlorofluoromethane	1.8751 2.0962	1.8979 2.1895	1.8795 2.1866	1.9300	1.9038	Ave		1.9948			0.1000	6.9		20.0			
Ethyl ether	1.4634 1.3880	1.4367 1.3695	1.3132 1.3156	1.3432	1.2246	Ave		1.3568				5.6		20.0			
Acrolein	0.2880 0.2252	0.2340 0.2284	0.2440 0.1960	0.2428	0.2005	Ave		0.2324				12.3		20.0			
1,1-Dichloroethene	1.3505 1.4138	1.3271 1.4051	1.2952 1.3763	1.3936	1.2672	Ave		1.3536			0.1000	3.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.2750	0.9518 1.3064	1.1085 1.3004	1.3379	1.2374	Ave		1.2168			0.1000	11.4		20.0			
Acetone	0.8052 0.7440	0.6968 0.7177	0.6920 0.5476	0.7026	0.6234	Ave		0.6912			0.1000	11.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 Calibration End Date: 09/25/2024 00:23 Calibration ID: 47335

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.7500 2.1559	1.9327 2.2205	1.8147 2.2325	2.1427	1.9549	Ave		2.0255				9.2		20.0			
Carbon disulfide	4.4620 4.2491	4.0223 4.3252	4.0150 4.2408	4.2707	3.9101	Ave		4.1869			0.1000	4.4		20.0			
Allyl chloride	+++++ 2.2645	2.0978 2.2639	2.0304 2.2204	2.2070	2.1143	Ave		2.1712				4.2		20.0			
Methyl acetate	1.7467 1.7388	1.7399 1.7414	1.6070 1.5558	1.7677	1.5605	Ave		1.6822			0.1000	5.4		20.0			
Methylene Chloride	2.8096 1.4975	2.0104 1.4880	1.7471 1.4470	1.5682	1.4028	Lin1	0.5397	1.4515			0.1000	3.2			1.0000		0.9900
2-Methyl-2-propanol	0.3569 0.3290	0.2808 0.3298	0.2753 0.2221	0.2813	0.2680	Ave		0.2929				14.7		20.0			
trans-1,2-Dichloroethene	1.5674 1.4977	1.4249 1.4696	1.3548 1.4422	1.4553	1.3552	Ave		1.4459			0.1000	4.9		20.0			
Acrylonitrile	0.8943 0.8827	0.8699 0.8570	0.8174 0.7263	0.8601	0.7710	Ave		0.8348				7.1		20.0			
Methyl tert-butyl ether	4.7060 4.8370	4.6013 4.6839	4.3759 4.4351	4.7130	4.3172	Ave		4.5837			0.1000	4.1		20.0			
Hexane	2.8477 2.3602	2.3610 2.3075	2.3039 2.2227	2.4998	2.1319	Ave		2.3793				9.1		20.0			
1,1-Dichloroethane	2.6500 2.6079	2.5059 2.5696	2.4057 2.5051	2.5789	2.3314	Ave		2.5193			0.2000	4.2		20.0			
Vinyl acetate	3.3153 3.6706	3.4603 3.6562	3.1082 3.4998	3.4355	3.1984	Ave		3.4180				5.9		20.0			
2,2-Dichloropropane	+++++ 1.2596	1.6540 1.2765	1.3256 1.2043	1.4452	1.2627	Ave		1.3469				11.5		20.0			
cis-1,2-Dichloroethene	1.5706 1.5662	1.4382 1.5843	1.4730 1.5548	1.5537	1.4157	Ave		1.5196			0.1000	4.4		20.0			
2-Butanone (MEK)	1.2188 1.2174	1.2131 1.1745	1.1222 1.0439	1.1531	1.0412	Ave		1.1480			0.1000	6.4		20.0			
Chlorobromomethane	0.6243 0.8117	0.7738 0.7991	0.7337 0.7896	0.7804	0.7224	Ave		0.7544				8.1		20.0			
Chloroform	+++++ 2.5854	2.9370 2.5518	2.6397 2.5014	2.6801	2.3888	Ave		2.6120			0.2000	6.6		20.0			
Tetrahydrofuran	+++++ 0.7907	0.9456 0.7681	0.8270 0.6749	0.8256	0.7232	Ave		0.7936				10.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 Calibration End Date: 09/25/2024 00:23 Calibration ID: 47335

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	1.9990 2.0215	2.0066 2.0986	1.8936 2.0885	2.1149	1.9023	Ave		2.0156			0.1000	4.2		20.0			
Cyclohexane	2.6678 2.5532	2.3817 2.4883	2.2295 2.4889	2.5128	2.3559	Ave		2.4598			0.1000	5.5		20.0			
1,1-Dichloropropene	1.8932 2.0236	1.9004 2.0111	1.8687 1.9676	2.0701	1.8468	Ave		1.9477				4.2		20.0			
Carbon tetrachloride	1.7187 1.8682	1.7387 1.9490	1.6300 1.9288	1.8749	1.7097	Ave		1.8022			0.1000	6.5		20.0			
Isobutyl alcohol	+++++ 0.1236	0.1188 0.1190	0.1013 0.0959	0.1071	0.0917	Ave		0.1082				11.6		20.0			
Benzene	5.8638 5.5765	5.3578 5.4693	5.4585 5.3498	5.5271	5.0467	Ave		5.4562			0.5000	4.2		20.0			
1,2-Dichloroethane	2.3904 2.2683	2.1054 2.1912	2.1486 2.1036	2.2062	2.0665	Ave		2.1850			0.1000	4.8		20.0			
n-Heptane	2.4271 2.3409	2.4191 2.3100	2.1768 2.2941	2.4167	2.1912	Ave		2.3220				4.3		20.0			
Trichloroethene	1.4983 1.5382	1.5466 1.4995	1.3775 1.4974	1.4897	1.3713	Ave		1.4773			0.2000	4.5		20.0			
Methylcyclohexane	2.7123 2.6191	2.4907 2.6145	2.3420 2.5452	2.6955	2.3763	Ave		2.5494			0.1000	5.4		20.0			
1,2-Dichloropropane	1.5118 1.4761	1.3479 1.4767	1.3366 1.4421	1.4223	1.3090	Ave		1.4153			0.1000	5.3		20.0			
Dibromomethane	1.0673 1.0288	0.9602 1.0104	0.9295 0.9886	0.9735	0.9303	Ave		0.9861			0.1000	4.9		20.0			
1,4-Dioxane	+++++ 0.0048	+++++ 0.0044	0.0035 0.0035	0.0037	0.0034	Ave		0.0039				14.5		20.0			
Bromodichloromethane	1.7946 1.9281	1.8343 1.9318	1.6689 1.9253	1.8953	1.7170	Ave		1.8369			0.2000	5.6		20.0			
2-Chloroethyl vinyl ether	1.0339 1.2353	1.0644 1.2187	1.0742 1.2328	1.1218	1.0653	Ave		1.1308				7.5		20.0			
cis-1,3-Dichloropropene	2.3466 2.4735	2.3280 2.5041	2.1456 2.5005	2.3987	2.2160	Ave		2.3641			0.2000	5.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.6575 0.6294	0.6161 0.6093	0.5948 0.5460	0.6223	0.5601	Ave		0.6045			0.1000	6.1		20.0			
Toluene	+++++ 0.9336	1.0689 0.9526	0.9201 0.9028	0.9376	0.8924	Ave		0.9440			0.4000	6.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 Calibration End Date: 09/25/2024 00:23 Calibration ID: 47335

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.4864 0.6168	0.5799 0.6212	0.5193 0.5987	0.5720	0.5680	Ave		0.5703			0.1000	8.2		20.0			
Ethyl methacrylate	0.6152 0.6436	0.5868 0.6411	0.5784 0.6058	0.6071	0.5657	Ave		0.6054				4.6		20.0			
1,1,2-Trichloroethane	0.3017 0.3070	0.3233 0.3067	0.2703 0.2909	0.2949	0.2798	Ave		0.2968			0.1000	5.6		20.0			
Tetrachloroethene	0.3919 0.3851	0.3448 0.3886	0.3551 0.3718	0.3862	0.3632	Ave		0.3733			0.2000	4.7		20.0			
1,3-Dichloropropane	0.6649 0.6485	0.6134 0.6377	0.5918 0.6068	0.6284	0.5943	Ave		0.6232				4.2		20.0			
2-Hexanone	0.4840 0.4731	0.4699 0.4576	0.4425 0.4079	0.4663	0.4150	Ave		0.4520			0.1000	6.2		20.0			
Dibromochloromethane	0.3526 0.4064	0.3621 0.4129	0.3297 0.4023	0.3754	0.3564	Ave		0.3747			0.1000	8.0		20.0			
1,2-Dibromoethane	0.3642 0.4168	0.3814 0.4183	0.3663 0.3949	0.3996	0.3767	Ave		0.3898				5.4		20.0			
Chlorobenzene	1.1391 1.0525	1.0343 1.0675	1.0095 1.0106	1.0276	0.9856	Ave		1.0408			0.5000	4.5		20.0			
1,1,1,2-Tetrachloroethane	0.3537 0.3770	0.3631 0.3847	0.3373 0.3643	0.3760	0.3372	Ave		0.3617				4.9		20.0			
Ethylbenzene	1.9818 1.7692	1.8142 1.8020	1.6590 1.6948	1.7872	1.6662	Ave		1.7718			0.1000	5.9		20.0			
m,p-Xylene	0.7464 0.6921	0.6867 0.7095	0.6403 0.6737	0.6939	0.6599	Ave		0.6878			0.1000	4.7		20.0			
o-Xylene	0.7497 0.6918	0.6487 0.6965	0.6226 0.6539	0.6550	0.6408	Ave		0.6699			0.3000	6.1		20.0			
Styrene	1.1713 1.1761	1.0366 1.1723	1.0534 1.1065	1.1313	1.0558	Ave		1.1129			0.3000	5.3		20.0			
Bromoform	0.2123 0.2781	0.2221 0.2872	0.2215 0.2799	0.2548	0.2352	Ave		0.2489			0.1000	12.1		20.0			
Isopropylbenzene	3.3256 3.1335	3.0997 3.2135	2.9039 3.0070	3.0084	2.8404	Ave		3.0665			0.1000	5.2		20.0			
1,1,2,2-Tetrachloroethane	1.0038 1.1538	1.1035 1.1618	1.0104 1.0615	1.0614	1.0120	Ave		1.0710			0.3000	5.9		20.0			
Bromobenzene	0.8130 0.8182	0.8175 0.8335	0.7327 0.7920	0.7583	0.7446	Ave		0.7887				4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 Calibration End Date: 09/25/2024 00:23 Calibration ID: 47335

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	0.3443 0.3982	0.3635 0.3969	0.3722 0.3593	0.3788	0.3453	Ave		0.3698				5.6		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.4043	0.3051 0.4209	0.3111 0.3984	0.3598	0.3390	Ave		0.3627				12.8		20.0			
N-Propylbenzene	4.2249 4.0574	4.0146 4.1252	3.8081 3.8134	3.9339	3.7023	Ave		3.9600				4.5		20.0			
2-Chlorotoluene	0.7989 0.7880	0.7806 0.8074	0.7445 0.7558	0.7680	0.7129	Ave		0.7695				4.0		20.0			
1,3,5-Trimethylbenzene	2.8850 2.8959	2.7976 2.9194	2.6706 2.6980	2.7412	2.6258	Ave		2.7792				4.0		20.0			
4-Chlorotoluene	2.9266 2.5698	2.5719 2.6099	2.6638 2.6165	2.5422	2.3231	Ave		2.6030				6.4		20.0			
tert-Butylbenzene	0.5459 0.6447	0.6338 0.6592	0.5756 0.6051	0.6001	0.5803	Ave		0.6056				6.3		20.0			
1,2,4-Trimethylbenzene	3.0943 2.9869	2.8762 3.0457	2.7646 2.7973	2.8274	2.7215	Ave		2.8892				4.8		20.0			
sec-Butylbenzene	3.8635 3.7625	3.7597 3.8446	3.5209 3.4825	3.6087	3.4992	Ave		3.6677				4.3		20.0			
4-Isopropyltoluene	3.1199 3.2607	3.1053 3.3167	2.9865 3.0016	3.1020	2.9760	Ave		3.1086				4.0		20.0			
1,3-Dichlorobenzene	1.5290 1.5950	1.5966 1.6084	1.5055 1.5040	1.5246	1.4667	Ave		1.5412			0.6000	3.4		20.0			
1,4-Dichlorobenzene	1.7586 1.6285	1.6230 1.6316	1.4942 1.5324	1.5549	1.5026	Ave		1.5907			0.5000	5.5		20.0			
n-Butylbenzene	3.1144 2.9560	3.0087 2.9988	2.7943 2.7353	2.8380	2.6983	Ave		2.8930				5.1		20.0			
1,2-Dichlorobenzene	1.6414 1.5643	1.4753 1.5895	1.4712 1.4683	1.4890	1.4049	Ave		1.5130			0.4000	5.1		20.0			
1,2-Dibromo-3-Chloropropane	0.2958 0.2958	0.2621 0.3013	0.2863 0.2636	0.2610	0.2552	Ave		0.2776			0.0500	6.8		20.0			
1,2,4-Trichlorobenzene	1.0514 1.0794	1.0556 1.1121	0.9615 1.0236	1.0202	0.9899	Ave		1.0367			0.2000	4.7		20.0			
Hexachlorobutadiene	0.3433 0.3645	0.3823 0.3530	0.3304 0.3943	0.3524	0.3584	Ave		0.3598				5.7		20.0			
Naphthalene	3.5375 3.8944	3.6913 3.9423	3.3655 3.5246	3.4939	3.4617	Ave		3.6139				5.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 Calibration End Date: 09/25/2024 00:23 Calibration ID: 47335

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.9958 1.0497	0.9687 1.0780	0.9410 0.9650	0.9510	0.9719	Ave		0.9901				4.9		20.0			
Dibromofluoromethane (Surr)	1.2688 1.3170	1.2949 1.3450	1.2704 1.3118	1.3184	1.2827	Ave		1.3011				2.0		20.0			
1,2-Dichloroethane-d4 (Surr)	1.6462 1.7567	1.6828 1.6669	1.6457 1.5849	1.7191	1.6558	Ave		1.6698				3.1		20.0			
Toluene-d8 (Surr)	1.2611 1.2786	1.3186 1.3360	1.2392 1.2449	1.2680	1.2913	Ave		1.2797				2.7		20.0			
4-Bromofluorobenzene (Surr)	0.3553 0.3581	0.3904 0.3917	0.3439 0.3498	0.3594	0.3751	Ave		0.3655				5.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-726083/5	L8803.D
Level 2	IC 480-726083/6	L8804.D
Level 3	IC 480-726083/7	L8805.D
Level 4	IC 480-726083/8	L8806.D
Level 5	IC 480-726083/9	L8807.D
Level 6	ICIS 480-726083/10	L8808.D
Level 7	IC 480-726083/11	L8809.D
Level 8	IC 480-726083/12	L8810.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4948 291627	11218 600960	22298 1150389	58739	109776	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	6260 301456	12350 619366	25342 1206063	61263	116359	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4102 254221	10820 537265	21027 1042867	51361	97970	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 201218	8353 466062	18297 953830	46269	82750	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3603 171048	8037 366037	16273 709093	38386	72516	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2670 172997	7581 352977	15008 684224	35656	65077	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	7325 433816	18300 896655	37640 1740946	84030	175437	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5265 355613	13517 743304	26976 1442040	67449	136042	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4109 235464	10232 464907	18848 867630	46943	87510	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	4043 191004	8334 387665	17510 646367	42433	71632	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	3792 239849	9452 476992	18589 907638	48704	90552	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 216298	6779 443495	15909 857603	46756	88421	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	11305 631063	24813 1218164	49659 1805828	122768	222733	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	4914 365736	13765 753835	26046 1472306	74885	139695	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	12529	28647	57625	149255	279406	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			720843	1468343	2796760			25.0	50.0	100		
Allyl chloride	FB	Ave	+++++ 384155	14941 768552	29141 1464332	77132	151086	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	9809 589955	24784 1182330	46129 2052008	123556	223020	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	7889 254052	14318 505139	25075 954282	54807	100242	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	10021 558063	20002 1119594	39507 1464935	98319	191516	4.00 250	10.0 500	20.0 1000	50.0	100
trans-1,2-Dichloroethene	FB	Ave	4401 254081	10148 498901	19444 951096	50860	96841	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	25110 1497525	61956 2909231	117317 4789651	300590	550916	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	13214 820572	32771 1590100	62804 2924873	164711	308498	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexane	FB	Ave	7996 400398	16815 783353	33067 1465830	87365	152343	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	7441 442426	17847 872326	34528 1652064	90127	166594	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18618 1245392	49290 2482417	89221 4616127	240132	457105	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 213689	11780 433363	19026 794208	50509	90230	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4410 265695	10243 537837	21141 1025372	54298	101166	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	17112 1032637	43198 1993676	80530 3442237	201494	372016	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1753 137707	5511 271267	10531 520714	27273	51618	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroform	FB	Ave	+++++ 438595	20918 866292	37886 1649613	93664	170700	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 268273	13469 521484	23740 890128	57709	103352	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	5613 342933	14291 712444	27178 1377339	73912	135935	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	7491 433143	16963 844723	31999 1641371	87820	168350	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	5316 343300	13535 682749	26820 1297629	72348	131967	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4826 316929	12383 661662	23394 1272039	65524	122171	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	+++++ 524252	21160 1010192	36359 1581049	93608	163785	+++++ 625	25.0 1250	50.0 2500	125	250
Benzene	FB	Ave	16465 946030	38159 1856713	78342 3528099	193165	360626	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	6712 384813	14995 743879	30838 1387295	77104	147670	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	6815 397116	17229 784211	31242 1512923	84459	156580	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4207 260956	11015 509062	19771 987539	52063	97993	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	7616 444322	17739 887560	33613 1678492	94203	169803	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	4245 250411	9600 501299	19183 951063	49708	93537	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2997 174532	6839 343012	13341 651944	34022	66478	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Ave	+++++ 61764	+++++ 112703	3862 182070	9899	17979	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	5039 327095	13064 655821	23953 1269728	66238	122691	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2903 209559	7581 413711	15418 813035	39206	76124	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6589 419626	16580 850086	30795 1649012	83831	158354	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	34963 2038424	81318 3886664	161778 7038004	417384	745253	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	+++++ 604650	28214 1215309	50050 2327374	125780	237476	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	5173 399488	15308 792520	28249 1543498	76725	151139	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	6543 416824	15488 817964	31463 1561577	81435	150522	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	3209 198846	8533 391227	14704 749835	39564	74452	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	4168	9102	19314	51805	96640	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			249425	495806	958512			25.0	50.0	100		
1,3-Dichloropropane	CBNZd5	Ave	7071 420022	16191 813637	32193 1564394	84291	158141	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	25737 1531952	62014 2919135	120349 5257840	312789	552116	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	3750 263190	9557 526739	17935 1037181	50360	94845	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	3873 269956	10068 533626	19927 1018010	53601	100243	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	12115 681678	27301 1361969	54914 2605320	137851	262268	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	3762 244192	9584 490820	18348 939060	50445	89722	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	21077 1145905	47888 2298949	90246 4369088	239743	443390	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	7938 448258	18127 905148	34832 1736812	93088	175604	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	7973 448079	17122 888593	33867 1685683	87862	170511	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	12457 761753	27363 1495643	57300 2852488	151763	280951	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	2258 180099	5862 366435	12048 721558	34181	62597	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd4	Ave	19414 1078024	43753 2152700	84846 4022222	222843	410069	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	5860 396942	15577 778257	29521 1419831	78625	146103	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	4746 281480	11540 558354	21407 1059373	56173	107503	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd4	Ave	2010 136988	5131 265908	10876 480587	28057	49845	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++	4307	9091	26653	48946	+++++	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			139099	281986	532860			25.0	50.0	100		
N-Propylbenzene	DCBd4	Ave	24664 1395866	56667 2763459	111267 5100808	291398	534497	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	4664 271100	11019 540890	21754 1010960	56888	102924	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	16842 996271	39489 1955694	78031 3608940	203050	379088	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	17085 884082	36303 1748351	77832 3499852	188309	335390	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	3187 221782	8947 441619	16819 809374	44455	83771	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	18064 1027587	40598 2040301	80777 3741722	209435	392900	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	22554 1294414	53069 2575492	102873 4658189	267313	505181	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	18213 1121776	43833 2221813	87261 4014941	229780	429648	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	8926 548729	22536 1077437	43988 2011837	112936	211739	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	10266 560244	22909 1093010	43659 2049720	115179	216934	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	18181 1016946	42469 2008857	81645 3658820	210221	389547	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	9582 538159	20824 1064809	42985 1964041	110297	202826	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1727 101751	3700 201837	8364 352583	19337	36844	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	6138 371358	14900 744968	28093 1369233	75572	142908	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Ave	2004 125395	5396 236484	9653 527434	26103	51741	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd4	Ave	20651 1339783	52104 2640891	98335 4714613	258805	499762	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	5813 361125	13673 722170	27494 1290781	70446	140311	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	222663 223424	230553 228302	227922 216270	230382	229151	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	288907 298013	299636 282943	295241 261309	300393	295806	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	838271	870159	842642	850491	859067	25.0	25.0	25.0	25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L GC Column: ZB-624 (30 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 Calibration End Date: 09/25/2024 00:23 Calibration ID: 47335

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			828107	852249	802281			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	236148	257619	233822	241052	249554	25.0	25.0	25.0	25.0	25.0
			231944	249873	225430			25.0	25.0	25.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30) ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-726083/5	L8803.D
Level 2	IC 480-726083/6	L8804.D
Level 3	IC 480-726083/7	L8805.D
Level 4	IC 480-726083/8	L8806.D
Level 5	IC 480-726083/9	L8807.D
Level 6	ICIS 480-726083/10	L8808.D
Level 7	IC 480-726083/11	L8809.D
Level 8	IC 480-726083/12	L8810.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	5.7						30					
Chloromethane	22.7						30					
Vinyl chloride	-2.2						30					
Butadiene	+++++	-8.1						30				
Bromomethane	16.4						30					
Chloroethane	-6.0						30					
Dichlorofluoromethane	1.8						30					
Trichlorofluoromethane	-6.0						30					
Ethyl ether	7.9						30					
Acrolein	23.9						30					
1,1-Dichloroethene	-0.2						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	-21.8						30				
Acetone	16.5						30					
Iodomethane	-13.6						30					
Carbon disulfide	6.6						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30) ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	+++++	-3.4						30				
Methyl acetate	3.8						30					
Methylene Chloride	0.6						30					
2-Methyl-2-propanol	21.8						30					
trans-1,2-Dichloroethene	8.4						30					
Acrylonitrile	7.1						30					
Methyl tert-butyl ether	2.7						30					
Hexane	19.7						30					
1,1-Dichloroethane	5.2						30					
Vinyl acetate	-3.0						30					
2,2-Dichloropropane	+++++	22.8						30				
cis-1,2-Dichloroethene	3.4						30					
2-Butanone (MEK)	6.2						30					
Chlorobromomethane	-17.2						30					
Chloroform	+++++	12.4						30				
Tetrahydrofuran	+++++	19.2						30				
1,1,1-Trichloroethane	-0.8						30					
Cyclohexane	8.5						30					
1,1-Dichloropropene	-2.8						30					
Carbon tetrachloride	-4.6						30					
Isobutyl alcohol	+++++	9.8						30				

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30) ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Benzene	7.5						30					
1,2-Dichloroethane	9.4						30					
n-Heptane	4.5						30					
Trichloroethene	1.4						30					
Methylcyclohexane	6.4						30					
1,2-Dichloropropane	6.8						30					
Dibromomethane	8.2						30					
1,4-Dioxane	+++++	+++++	-8.7						30			
Bromodichloromethane	-2.3						30					
2-Chloroethyl vinyl ether	-8.6						30					
cis-1,3-Dichloropropene	-0.7						30					
4-Methyl-2-pentanone (MIBK)	8.8						30					
Toluene	+++++	13.2						30				
trans-1,3-Dichloropropene	-14.7						30					
Ethyl methacrylate	1.6						30					
1,1,2-Trichloroethane	1.7						30					
Tetrachloroethene	5.0						30					
1,3-Dichloropropane	6.7						30					
2-Hexanone	7.1						30					
Dibromochloromethane	-5.9						30					
1,2-Dibromoethane	-6.6						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30) ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	9.4						30					
1,1,1,2-Tetrachloroethane	-2.2						30					
Ethylbenzene	11.8						30					
m,p-Xylene	8.5						30					
o-Xylene	11.9						30					
Styrene	5.2						30					
Bromoform	-14.7						30					
Isopropylbenzene	8.4						30					
1,1,2,2-Tetrachloroethane	-6.3						30					
Bromobenzene	3.1						30					
1,2,3-Trichloropropane	-6.9						30					
trans-1,4-Dichloro-2-butene	+++++	-15.9						30				
N-Propylbenzene	6.7						30					
2-Chlorotoluene	3.8						30					
1,3,5-Trimethylbenzene	3.8						30					
4-Chlorotoluene	12.4						30					
tert-Butylbenzene	-9.9						30					
1,2,4-Trimethylbenzene	7.1						30					
sec-Butylbenzene	5.3						30					
4-Isopropyltoluene	0.4						30					
1,3-Dichlorobenzene	-0.8						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 726083

SDG No.: 480-223647-1

Instrument ID: HP5977L | GC Column: ZB-624 (30) ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2024 21:32 | Calibration End Date: 09/25/2024 00:23 | Calibration ID: 47335

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	10.6						30					
n-Butylbenzene	7.7						30					
1,2-Dichlorobenzene	8.5						30					
1,2-Dibromo-3-Chloropropane	6.6						30					
1,2,4-Trichlorobenzene	1.4						30					
Hexachlorobutadiene	-4.6						30					
Naphthalene	-2.1						30					
1,2,3-Trichlorobenzene	0.6						30					
Dibromofluoromethane (Surr)	-2.5						30					
1,2-Dichloroethane-d4 (Surr)	-1.4						30					
Toluene-d8 (Surr)	-1.5						30					
4-Bromofluorobenzene (Surr)	-2.8						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Sep-2024 21:32:03 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0120201-005
Operator ID: cdc Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:01:10 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 10:47:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.664	5.667	-0.003	99	175495	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	664717	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	97	364859	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	92	222663	25.0	24.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	98	288907	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	838271	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.770	9.767	0.003	95	236148	25.0	24.3	
10 Dichlorodifluoromethane	85	1.738	1.748	-0.010	94	4948	0.4000	0.4227	
13 Chloromethane	50	1.957	1.957	0.000	95	6260	0.4000	0.4906	
14 Vinyl chloride	62	2.060	2.066	-0.006	40	4102	0.4000	0.3913	
15 Butadiene	54	2.089	2.095	-0.006	38	5522	0.4000	0.6163	M
18 Bromomethane	94	2.423	2.413	0.010	0	3603	0.4000	0.4655	M
19 Chloroethane	64	2.507	2.510	-0.003	38	2670	0.4000	0.3762	M
20 Dichlorofluoromethane	67	2.693	2.699	-0.006	67	7325	0.4000	0.4072	M
21 Trichlorofluoromethane	101	2.722	2.725	-0.003	45	5265	0.4000	0.3760	
26 Ethyl ether	59	2.995	2.998	-0.003	83	4109	0.4000	0.4314	
28 Acrolein	56	3.134	3.137	-0.003	79	4043	2.00	2.48	M
30 1,1-Dichloroethene	96	3.198	3.198	0.000	87	3792	0.4000	0.3991	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.198	3.198	0.000	0	2116	0.4000	0.2477	M
31 Acetone	43	3.291	3.291	0.000	98	11305	2.00	2.33	
33 Iodomethane	142	3.368	3.358	0.010	60	4914	0.4000	0.3456	M
35 Carbon disulfide	76	3.404	3.416	-0.012	0	12529	0.4000	0.4263	M
37 3-Chloro-1-propene	41	3.516	3.510	0.006	0	8615	0.4000	0.5652	M
38 Methyl acetate	43	3.558	3.555	0.003	98	9809	0.8000	0.8307	M
39 Methylene Chloride	84	3.629	3.629	0.000	94	7889	0.4000	0.4024	
40 2-Methyl-2-propanol	59	3.789	3.793	-0.004	96	10021	4.00	4.87	M
42 trans-1,2-Dichloroethene	96	3.847	3.850	-0.003	96	4401	0.4000	0.4336	
44 Acrylonitrile	53	3.863	3.857	0.006	92	25110	4.00	4.28	
41 Methyl tert-butyl ether	73	3.870	3.866	0.004	86	13214	0.4000	0.4107	
47 Hexane	57	4.037	4.034	0.003	92	7996	0.4000	0.4787	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.201	4.207	-0.006	90	7441	0.4000	0.4208	
49 Vinyl acetate	43	4.243	4.239	0.004	98	18618	0.8000	0.7759	
56 2,2-Dichloropropane	77	4.680	4.683	-0.003	60	5778	0.4000	0.6111	
58 cis-1,2-Dichloroethene	96	4.709	4.699	0.010	0	4410	0.4000	0.4134	M
57 2-Butanone (MEK)	43	4.735	4.731	0.004	99	17112	2.00	2.12	
60 Chlorobromomethane	128	4.915	4.911	0.004	0	1753	0.4000	0.3310	M
62 Chloroform	83	4.957	4.960	-0.003	90	11204	0.4000	0.6110	
61 Tetrahydrofuran	42	4.995	4.998	-0.003	86	6855	0.8000	1.23	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	80	5613	0.4000	0.3967	
65 Cyclohexane	56	5.150	5.153	-0.003	0	7491	0.4000	0.4338	M
67 1,1-Dichloropropene	75	5.246	5.246	0.000	84	5316	0.4000	0.3888	
66 Carbon tetrachloride	117	5.256	5.259	-0.003	90	4826	0.4000	0.3815	
69 Isobutyl alcohol	43	5.387	5.384	0.003	35	10861	10.0	14.3	
70 Benzene	78	5.436	5.436	0.000	91	16465	0.4000	0.4299	
72 1,2-Dichloroethane	62	5.458	5.461	-0.003	0	6712	0.4000	0.4376	M
73 n-Heptane	43	5.587	5.583	0.004	86	6815	0.4000	0.4181	M
75 Trichloroethene	95	5.998	5.989	0.009	87	4207	0.4000	0.4057	
76 Methylcyclohexane	83	6.133	6.140	-0.007	89	7616	0.4000	0.4256	
77 1,2-Dichloropropane	63	6.195	6.194	0.001	91	4245	0.4000	0.4273	
82 Dibromomethane	93	6.326	6.326	0.000	85	2997	0.4000	0.4330	
81 1,4-Dioxane	88	6.362	6.358	0.004	0	136	8.00	1.32	M
83 Dichlorobromomethane	83	6.449	6.445	0.004	93	5039	0.4000	0.3908	
84 2-Chloroethyl vinyl ether	63	6.690	6.686	0.004	0	2903	0.4000	0.3657	M
85 cis-1,3-Dichloropropene	75	6.854	6.847	0.007	93	6589	0.4000	0.3970	
87 4-Methyl-2-pentanone (MIBK)	43	6.982	6.985	-0.003	94	34963	2.00	2.18	
88 Toluene	92	7.153	7.153	0.000	98	13281	0.4000	0.5291	
91 trans-1,3-Dichloropropene	75	7.381	7.368	0.013	86	5173	0.4000	0.3412	
90 Ethyl methacrylate	69	7.426	7.423	0.003	83	6543	0.4000	0.4065	
93 1,1,2-Trichloroethane	83	7.555	7.558	-0.003	85	3209	0.4000	0.4066	M
94 Tetrachloroethene	166	7.693	7.690	0.003	89	4168	0.4000	0.4199	
95 1,3-Dichloropropane	76	7.725	7.725	0.000	0	7071	0.4000	0.4267	M
96 2-Hexanone	43	7.796	7.786	0.010	96	25737	2.00	2.14	
98 Chlorodibromomethane	129	7.960	7.963	-0.003	0	3750	0.4000	0.3764	M
101 Ethylene Dibromide	107	8.088	8.088	0.000	96	3873	0.4000	0.3737	
103 Chlorobenzene	112	8.567	8.564	0.003	0	12115	0.4000	0.4378	M
105 1,1,1,2-Tetrachloroethane	131	8.638	8.641	-0.003	62	3762	0.4000	0.3912	
104 Ethylbenzene	91	8.645	8.644	0.001	98	21077	0.4000	0.4474	
106 m-Xylene & p-Xylene	106	8.760	8.763	-0.003	97	7938	0.4000	0.4340	
107 o-Xylene	106	9.182	9.188	-0.006	96	7973	0.4000	0.4477	
109 Styrene	104	9.204	9.207	-0.003	91	12457	0.4000	0.4210	
110 Bromoform	173	9.442	9.448	-0.006	0	2258	0.4000	0.3412	M
111 Isopropylbenzene	105	9.561	9.564	-0.003	95	19414	0.4000	0.4338	
112 1,1,2,2-Tetrachloroethane	83	9.928	9.924	0.004	84	5860	0.4000	0.3749	
113 Bromobenzene	156	9.944	9.943	0.001	84	4746	0.4000	0.4123	
116 1,2,3-Trichloropropane	110	9.979	9.976	0.003	80	2010	0.4000	0.3724	
115 trans-1,4-Dichloro-2-butene	53	9.979	9.979	0.000	66	1462	0.4000	0.2762	
114 N-Propylbenzene	91	10.008	10.008	0.000	98	24664	0.4000	0.4268	
117 2-Chlorotoluene	126	10.133	10.130	0.003	95	4664	0.4000	0.4153	a
118 1,3,5-Trimethylbenzene	105	10.191	10.188	0.003	97	16842	0.4000	0.4152	
119 4-Chlorotoluene	91	10.239	10.239	0.000	95	17085	0.4000	0.4497	
120 tert-Butylbenzene	134	10.519	10.519	0.000	91	3187	0.4000	0.3606	
121 1,2,4-Trimethylbenzene	105	10.574	10.570	0.004	96	18064	0.4000	0.4284	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.735	10.734	0.001	95	22554	0.4000	0.4214	
123 4-Isopropyltoluene	119	10.863	10.866	-0.003	96	18213	0.4000	0.4015	
124 1,3-Dichlorobenzene	146	10.879	10.876	0.003	87	8926	0.4000	0.3968	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	93	10266	0.4000	0.4422	a
127 n-Butylbenzene	91	11.246	11.246	0.000	96	18181	0.4000	0.4306	
128 1,2-Dichlorobenzene	146	11.313	11.310	0.003	95	9582	0.4000	0.4339	
129 1,2-Dibromo-3-Chloropropane	75	11.989	11.992	-0.003	73	1727	0.4000	0.4262	
130 1,2,4-Trichlorobenzene	180	12.645	12.644	0.001	89	6138	0.4000	0.4057	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	83	2004	0.4000	0.3816	
132 Naphthalene	128	12.847	12.850	-0.003	98	20651	0.4000	0.3915	
133 1,2,3-Trichlorobenzene	180	13.040	13.046	-0.006	92	5813	0.4000	0.4023	
S 144 1,3-Dichloropropene, Total	1				0			0.7382	
S 143 Xylenes, Total	1				0			0.8817	
S 142 Total BTEX	1				0			2.29	
S 141 1,2-Dichloroethene, Total	1				0			0.8470	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00259	Amount Added:	0.40	Units: uL	
GAS CORP mix_00642	Amount Added:	0.40	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:01:11 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D

Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L

Lims ID: IC 0.4

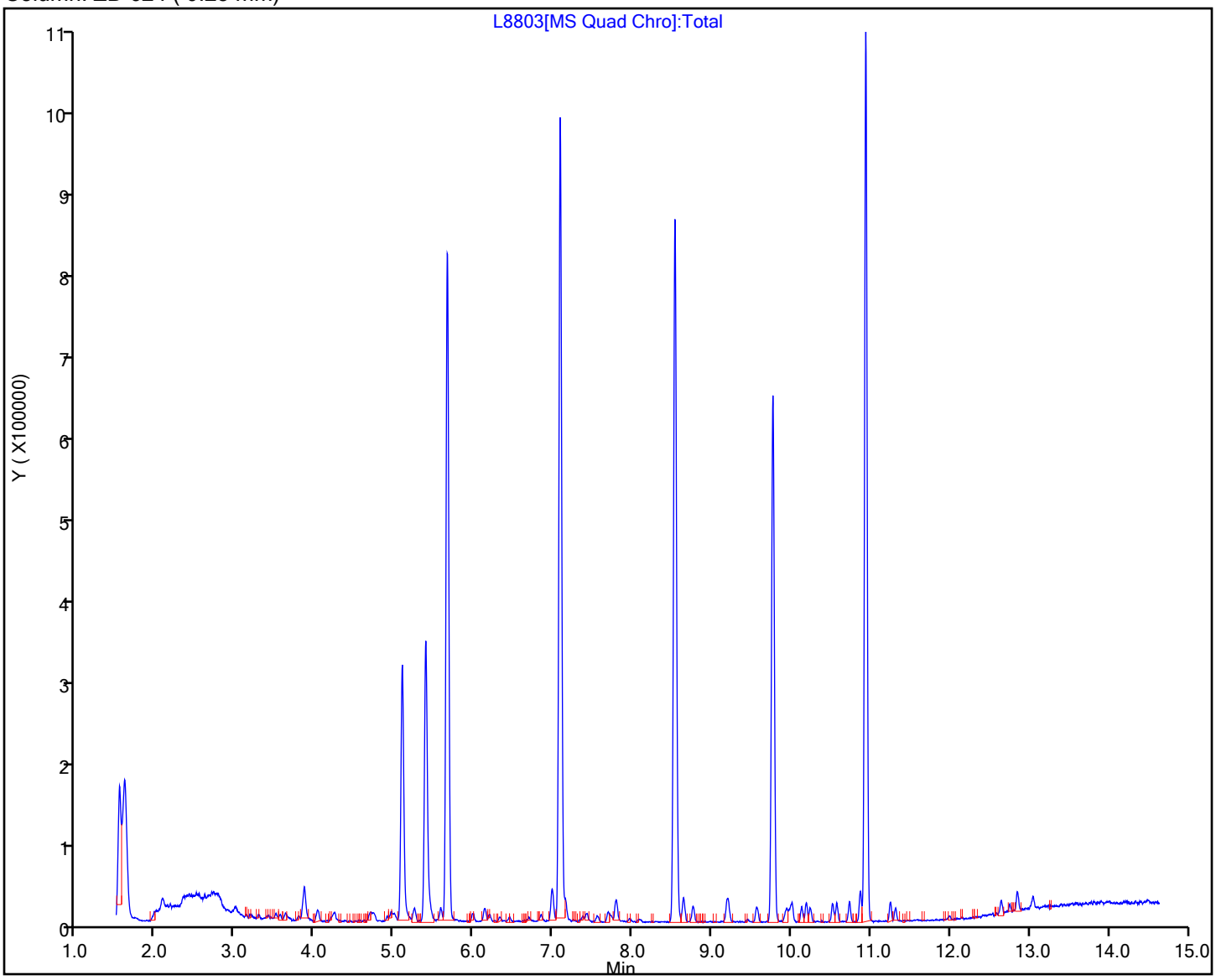
Client ID:

Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

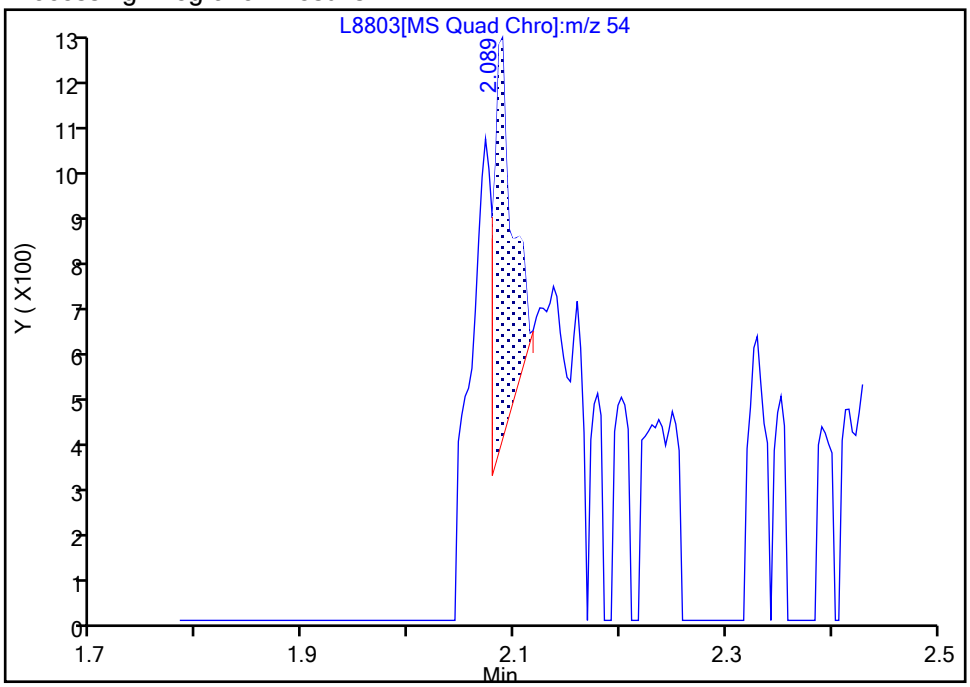
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

15 Butadiene, CAS: 106-99-0

Signal: 1

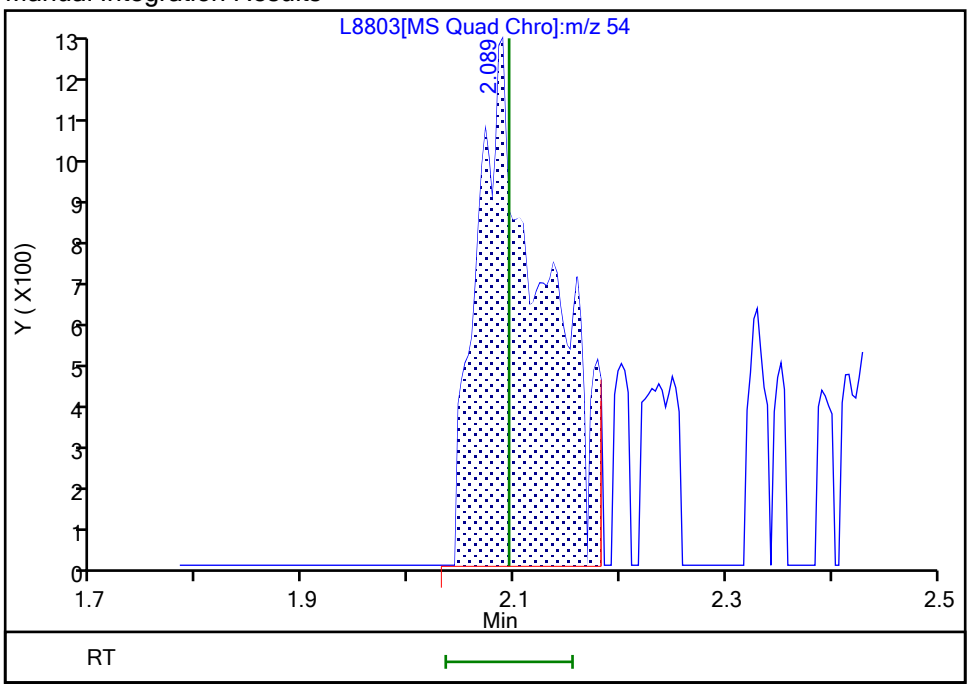
Processing Integration Results

RT: 2.09
Area: 1012
Amount: 0.133152
Amount Units: ug/L



Manual Integration Results

RT: 2.09
Area: 5522
Amount: 0.616282
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:44:01 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

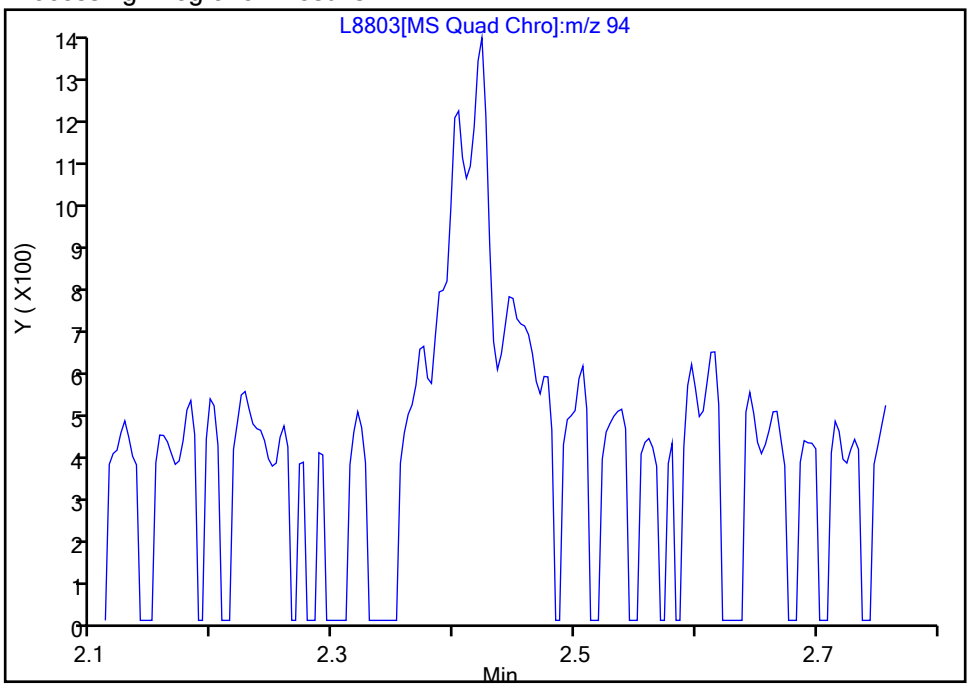
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

18 Bromomethane, CAS: 74-83-9

Signal: 1

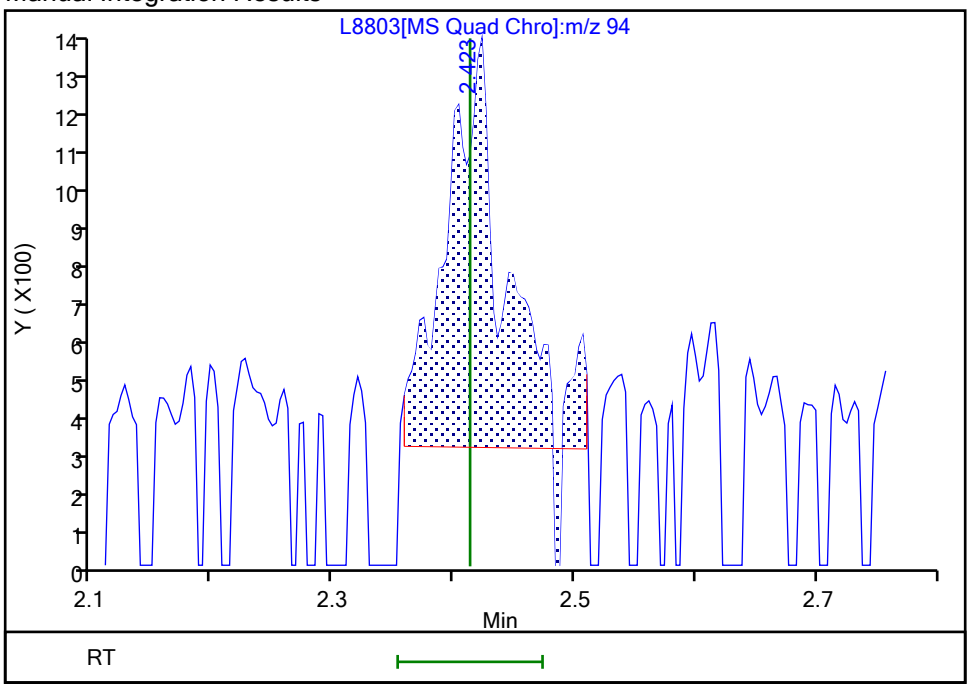
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.42
Area: 3603
Amount: 0.465528
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:44:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

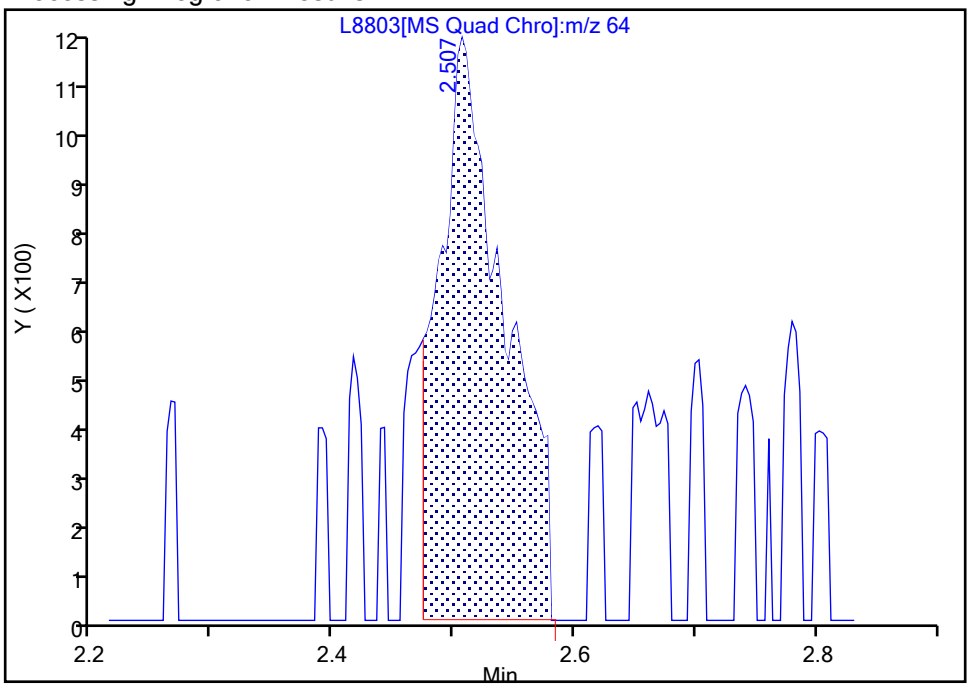
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

19 Chloroethane, CAS: 75-00-3

Signal: 1

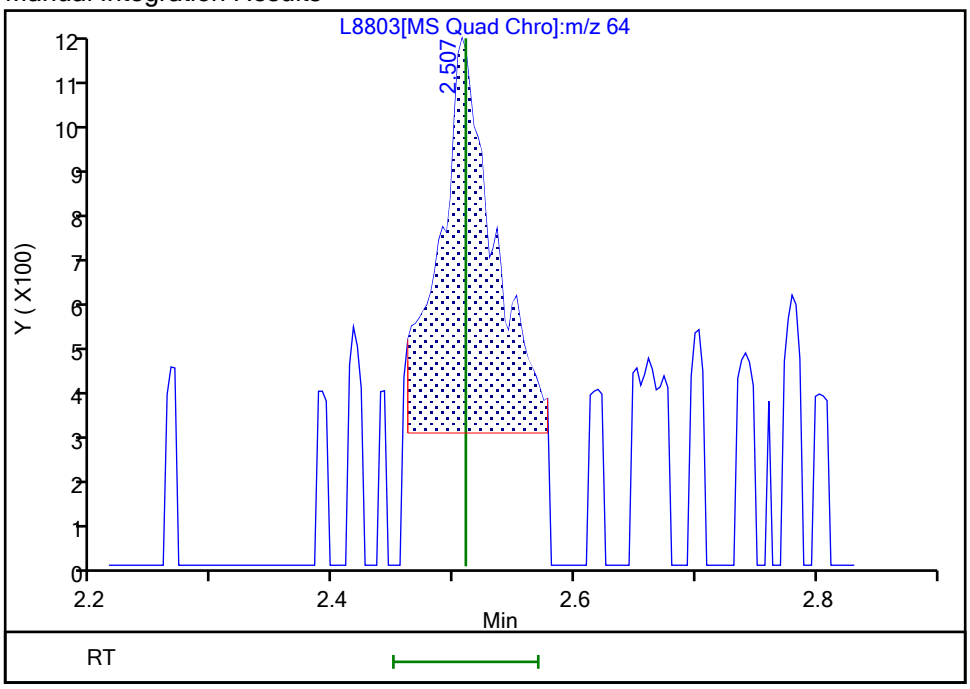
Processing Integration Results

RT: 2.51
Area: 4296
Amount: 0.473365
Amount Units: ug/L



Manual Integration Results

RT: 2.51
Area: 2670
Amount: 0.376170
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:44:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

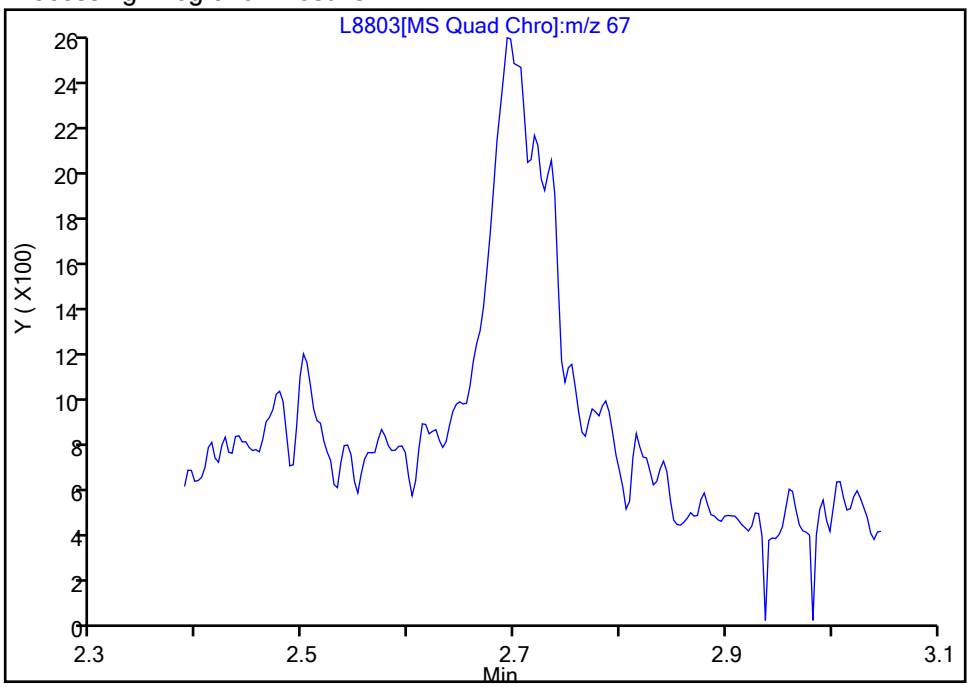
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

20 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

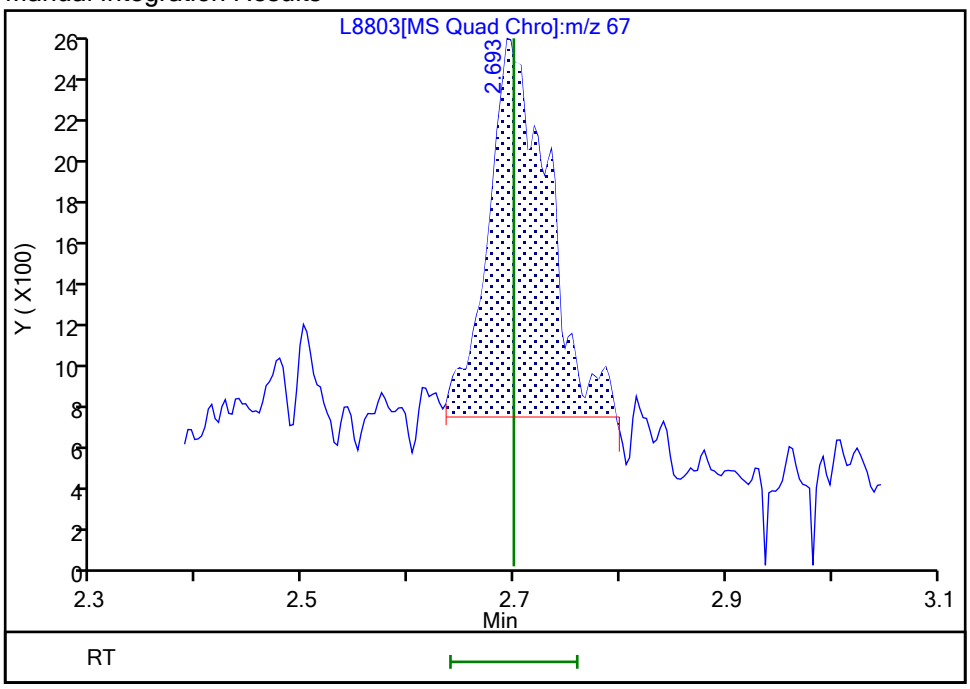
Not Detected
Expected RT: 2.70

Processing Integration Results



Manual Integration Results

RT: 2.69
Area: 7325
Amount: 0.407240
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:44:30 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

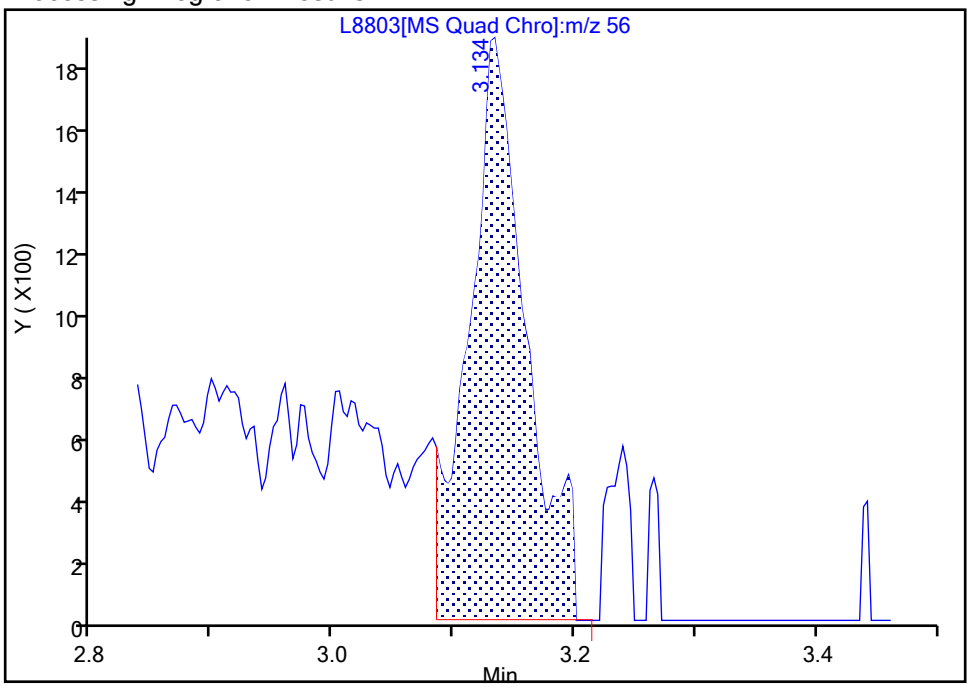
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

28 Acrolein, CAS: 107-02-8

Signal: 1

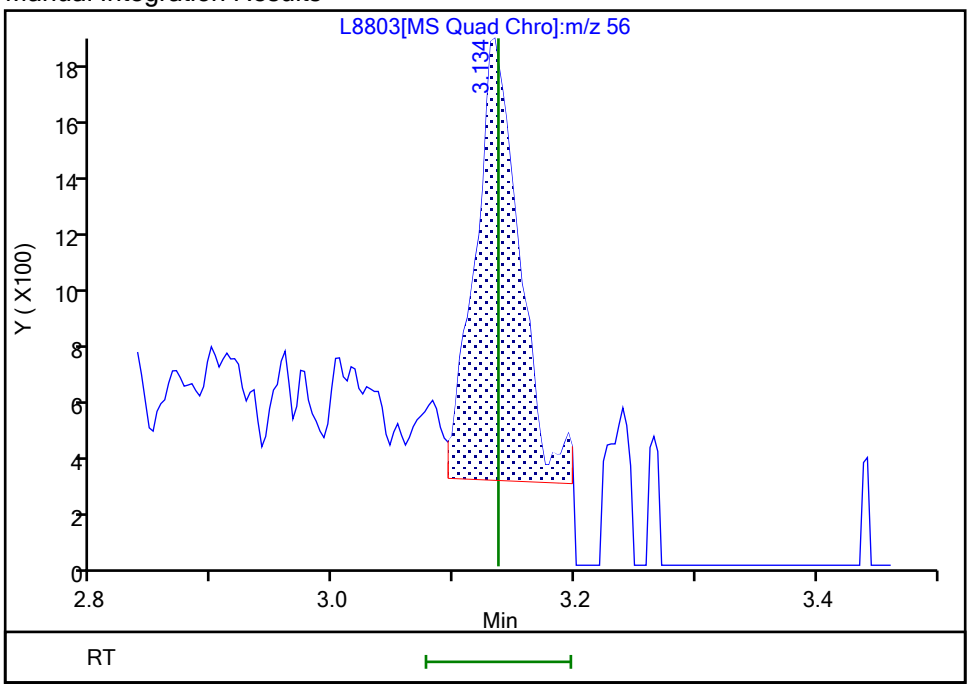
Processing Integration Results

RT: 3.13
Area: 6271
Amount: 3.506059
Amount Units: ug/L



Manual Integration Results

RT: 3.13
Area: 4043
Amount: 2.478623
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:44:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

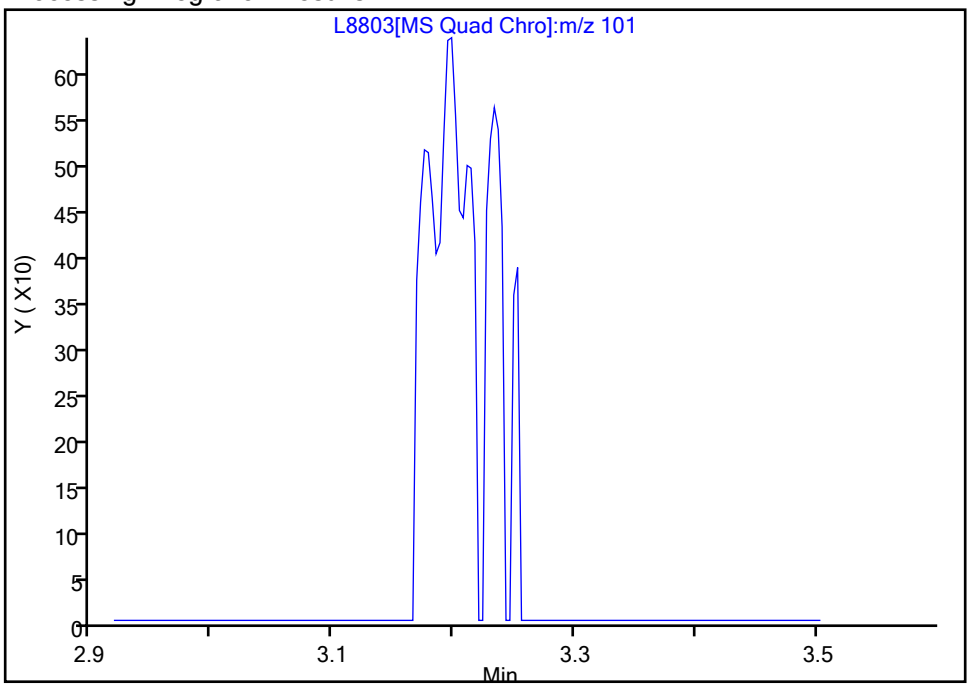
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

29 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

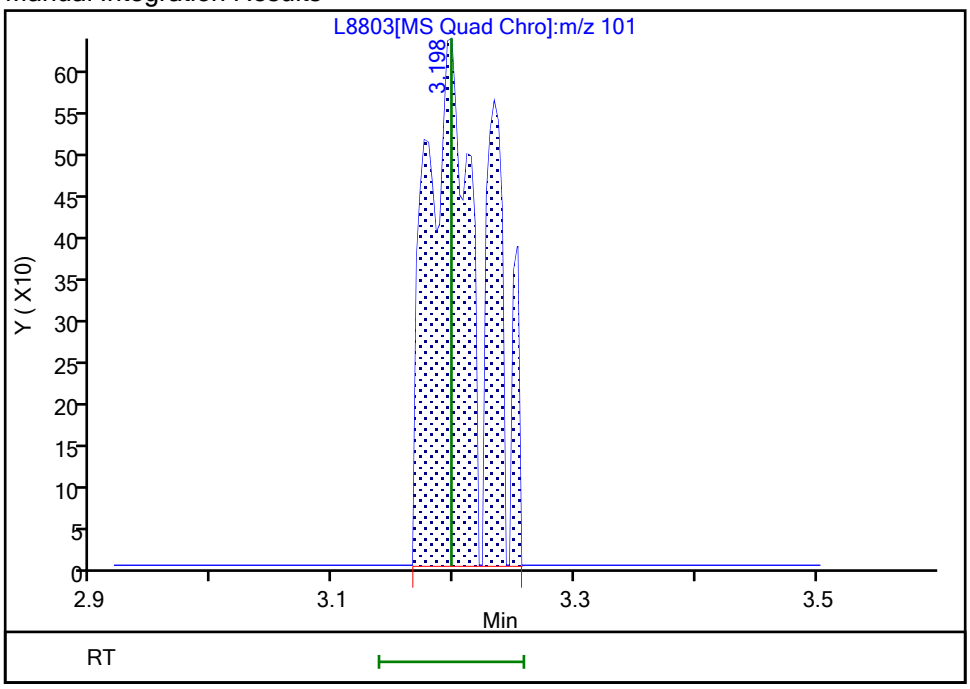
Not Detected
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.20
Area: 2116
Amount: 0.247734
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:44:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

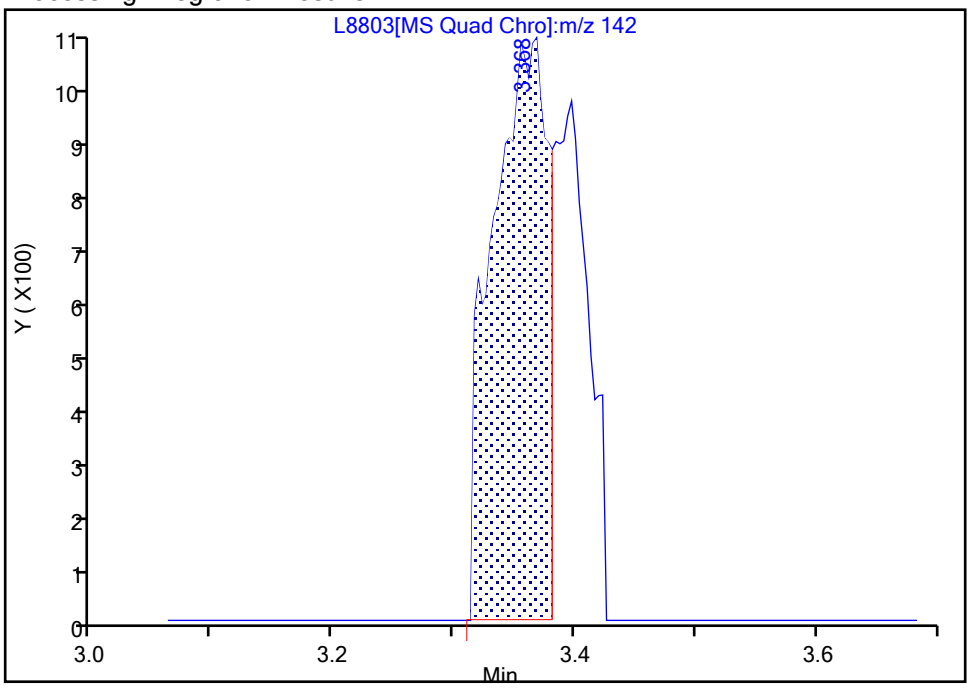
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

33 Iodomethane, CAS: 74-88-4

Signal: 1

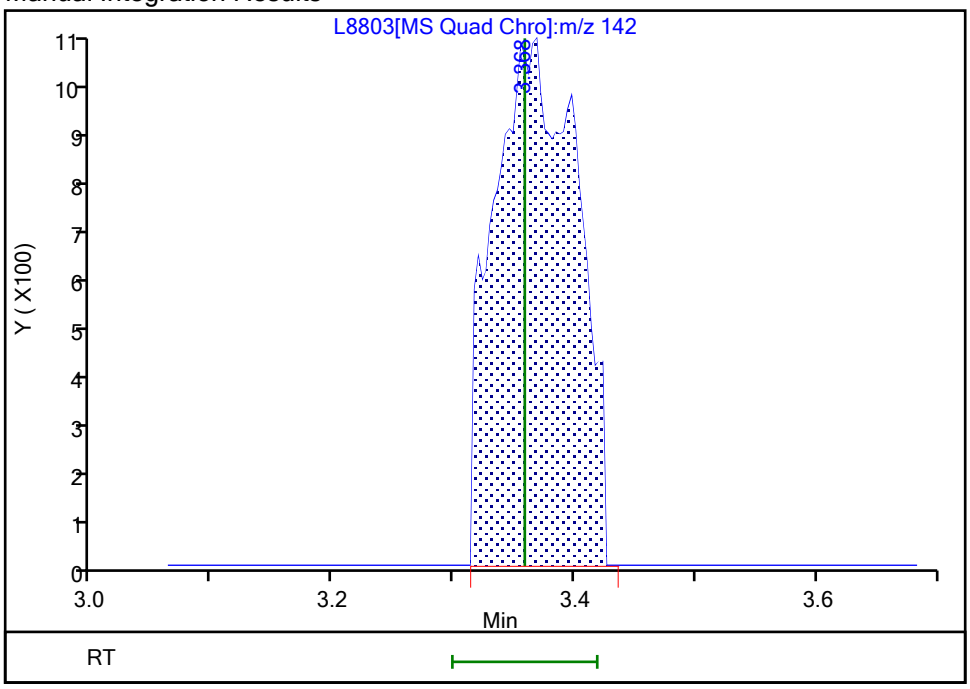
Processing Integration Results

RT: 3.37
Area: 3239
Amount: 0.245868
Amount Units: ug/L



Manual Integration Results

RT: 3.37
Area: 4914
Amount: 0.345601
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:45:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

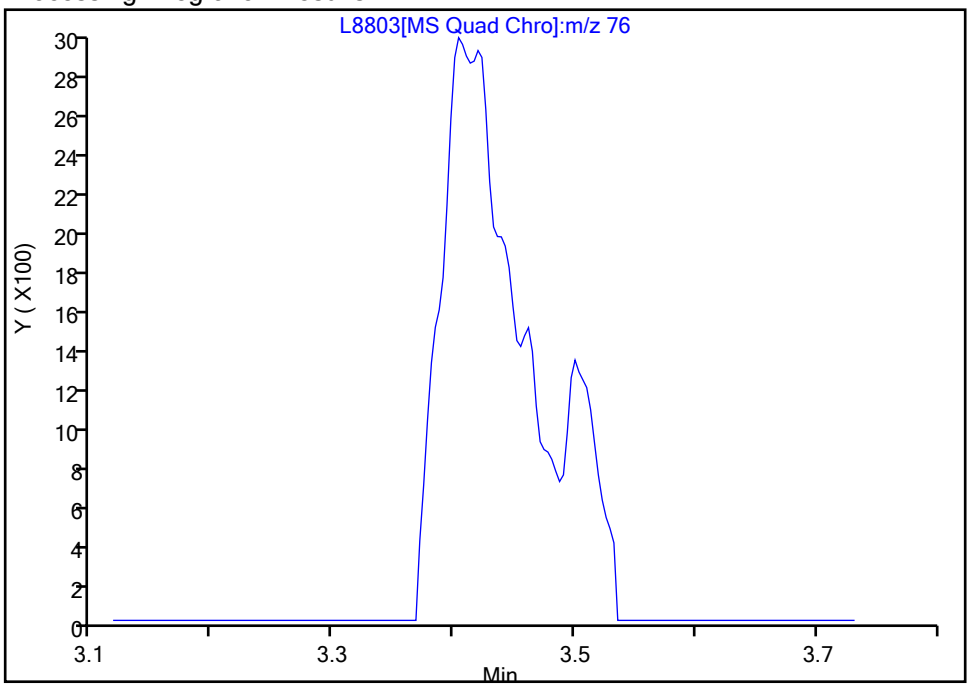
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

35 Carbon disulfide, CAS: 75-15-0

Signal: 1

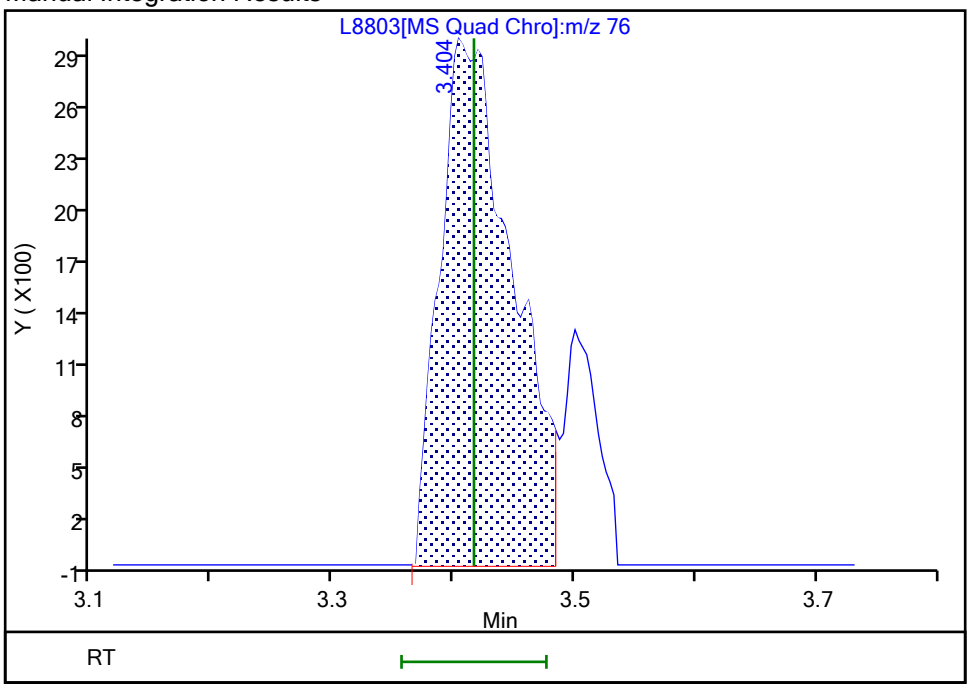
Not Detected
Expected RT: 3.42

Processing Integration Results



Manual Integration Results

RT: 3.40
Area: 12529
Amount: 0.426283
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:45:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

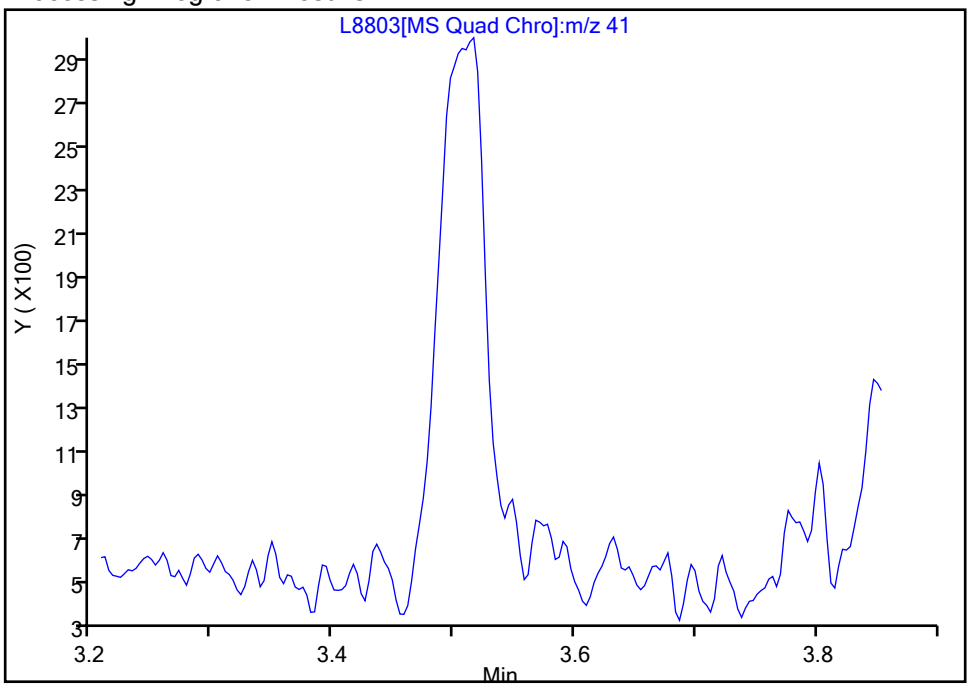
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

37 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

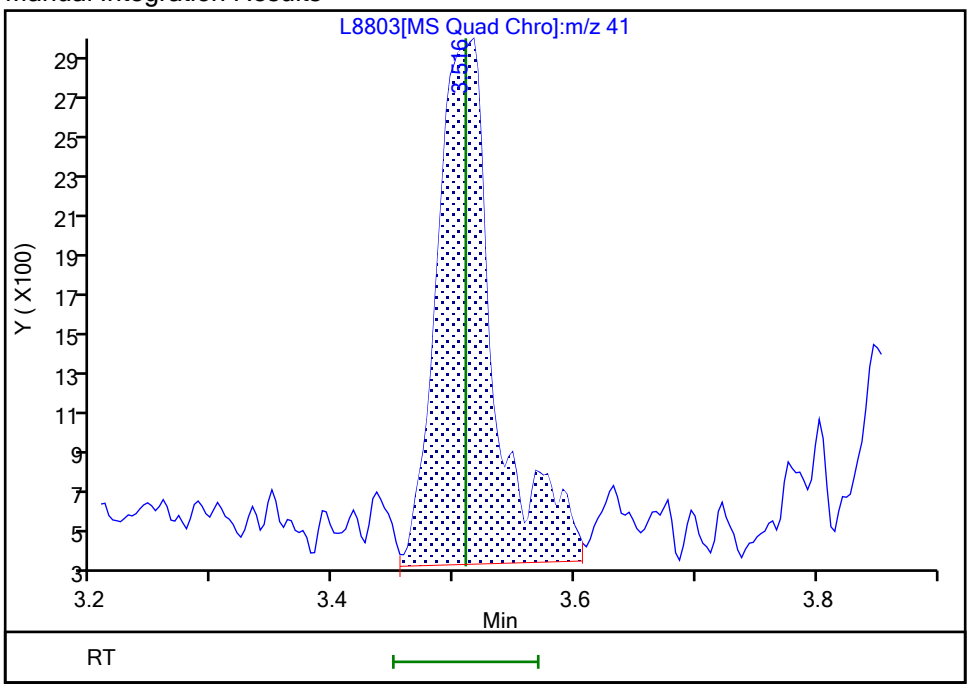
Not Detected
Expected RT: 3.51

Processing Integration Results



Manual Integration Results

RT: 3.52
Area: 8615
Amount: 0.565239
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:45:16 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

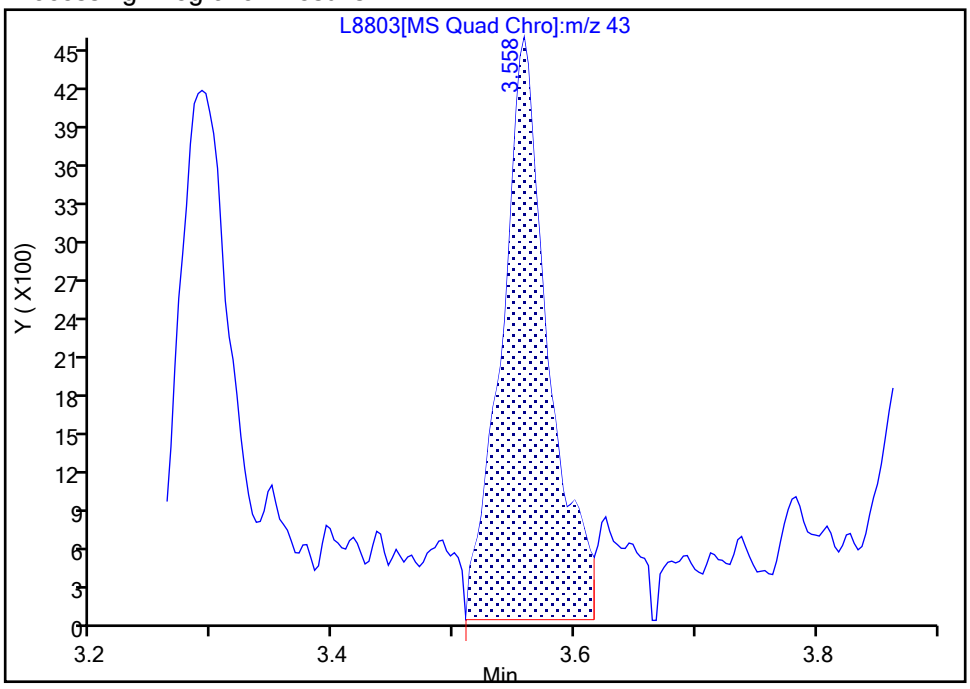
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

38 Methyl acetate, CAS: 79-20-9

Signal: 1

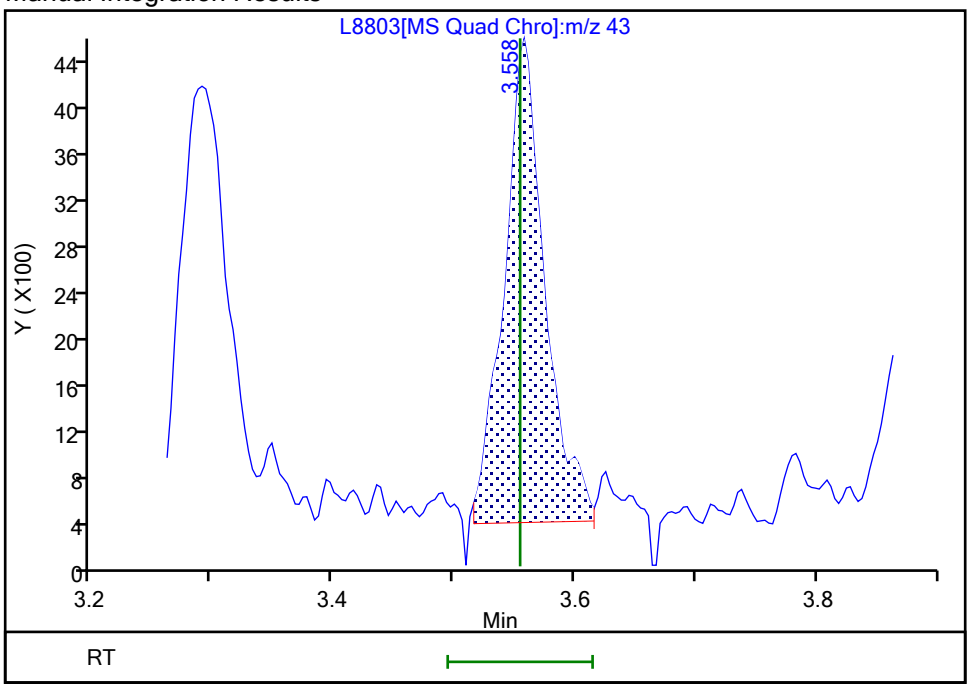
Processing Integration Results

RT: 3.56
Area: 12221
Amount: 1.002898
Amount Units: ug/L



Manual Integration Results

RT: 3.56
Area: 9809
Amount: 0.830651
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:45:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

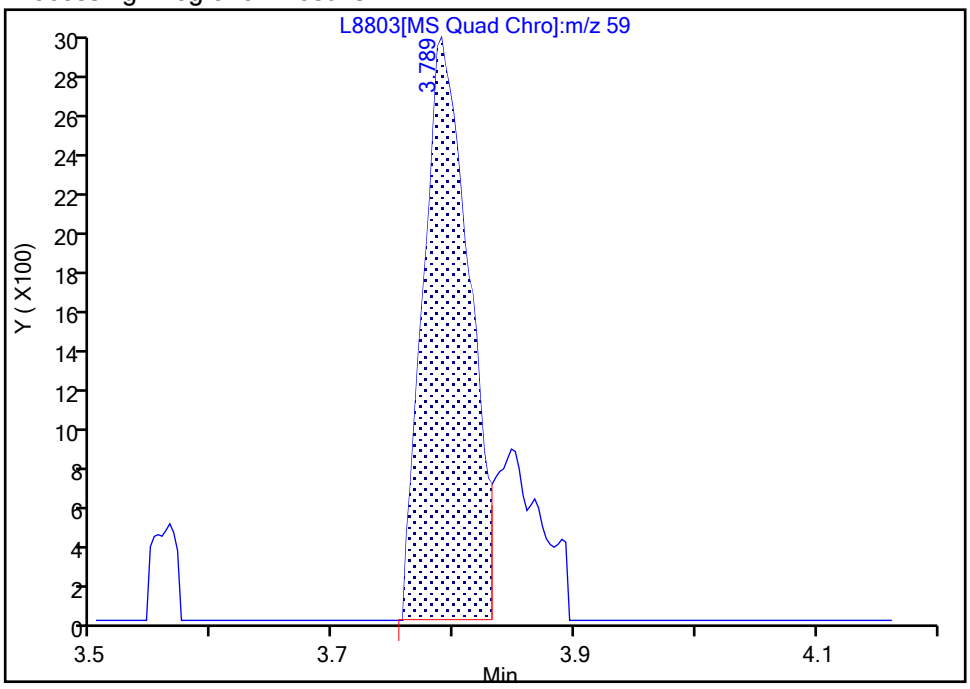
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

40 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

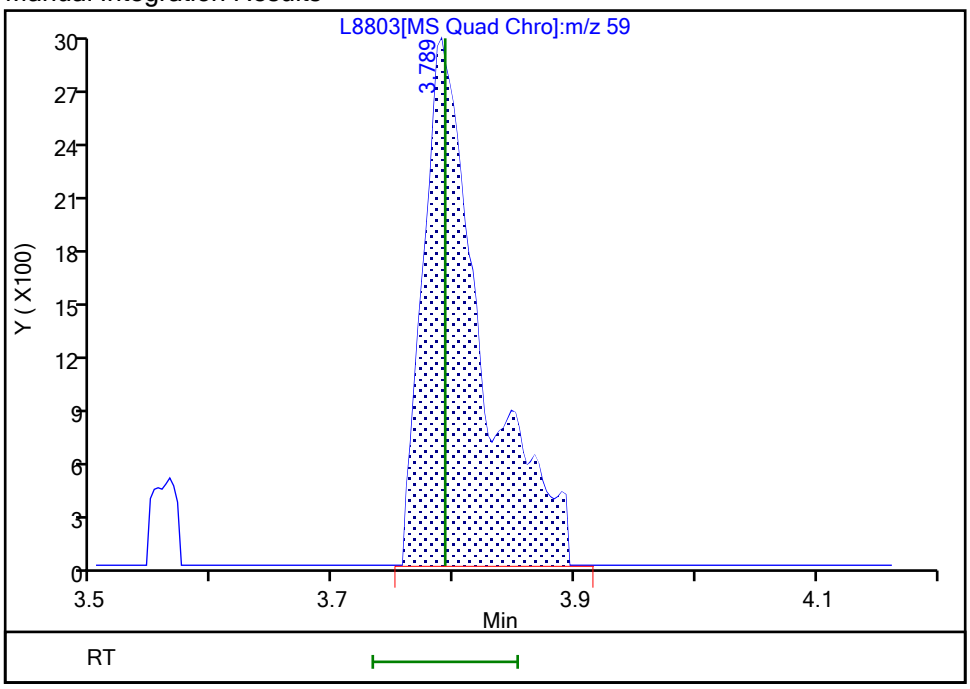
Processing Integration Results

RT: 3.79
Area: 7822
Amount: 4.152396
Amount Units: ug/L



Manual Integration Results

RT: 3.79
Area: 10021
Amount: 4.873761
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:45:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

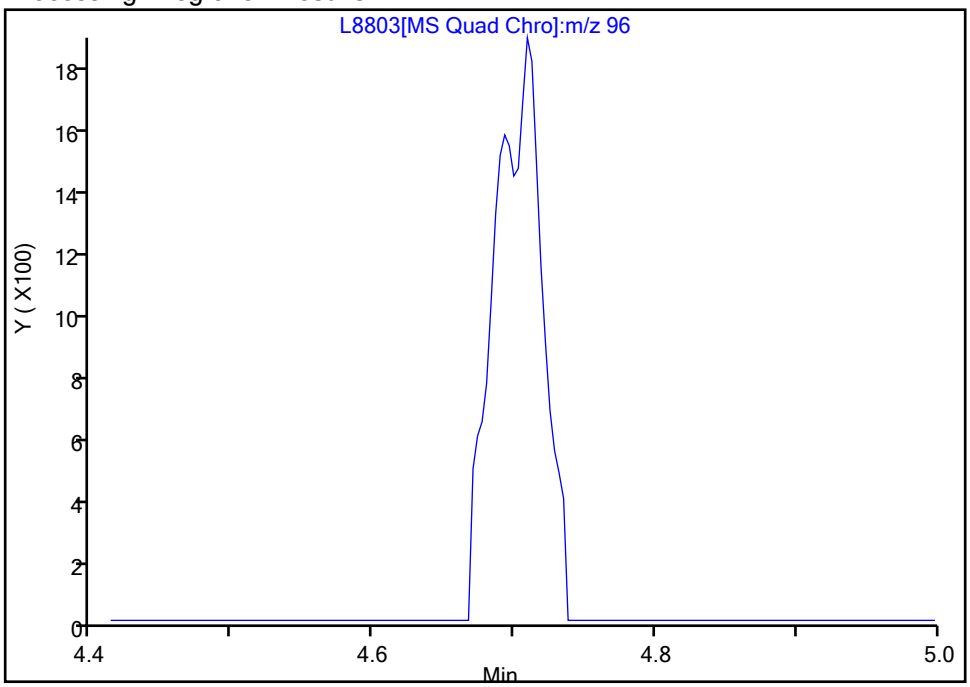
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

58 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

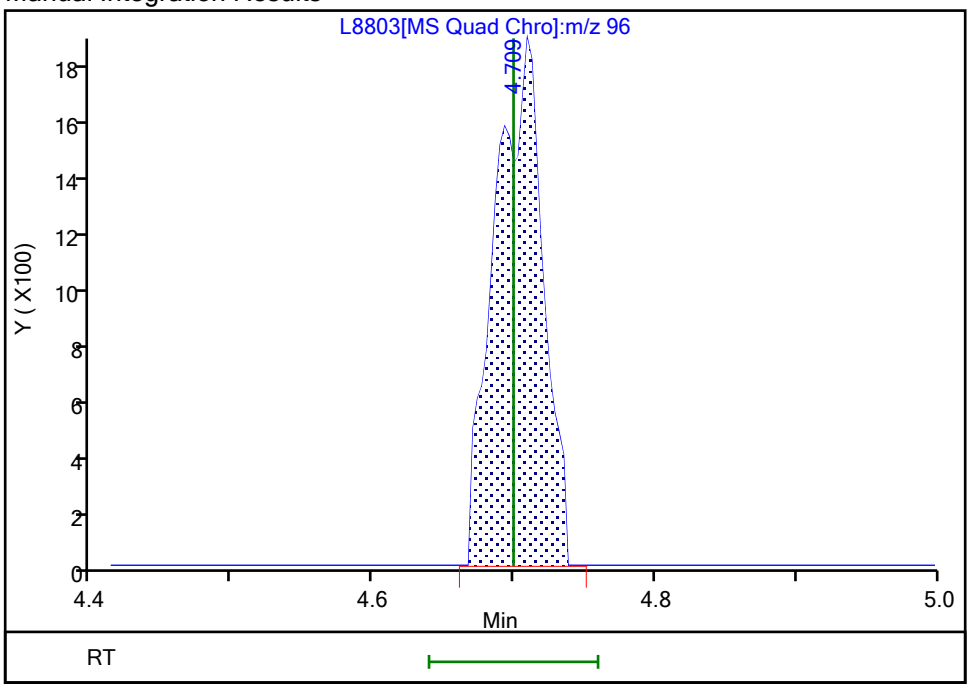
Not Detected
Expected RT: 4.70

Processing Integration Results



Manual Integration Results

RT: 4.71
Area: 4410
Amount: 0.413426
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:45:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

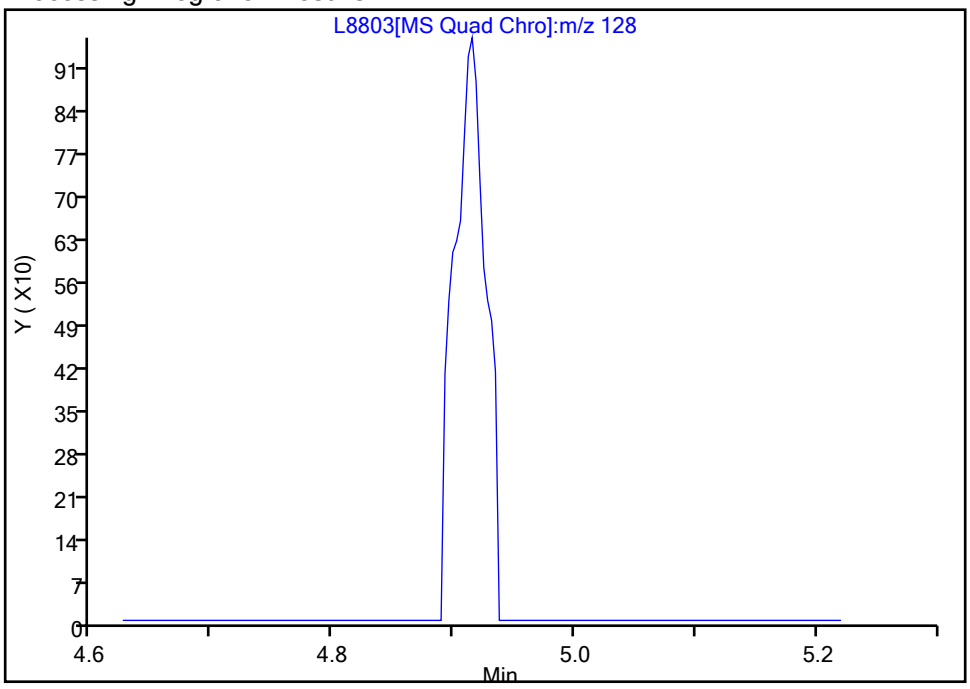
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

60 Chlorobromomethane, CAS: 74-97-5

Signal: 1

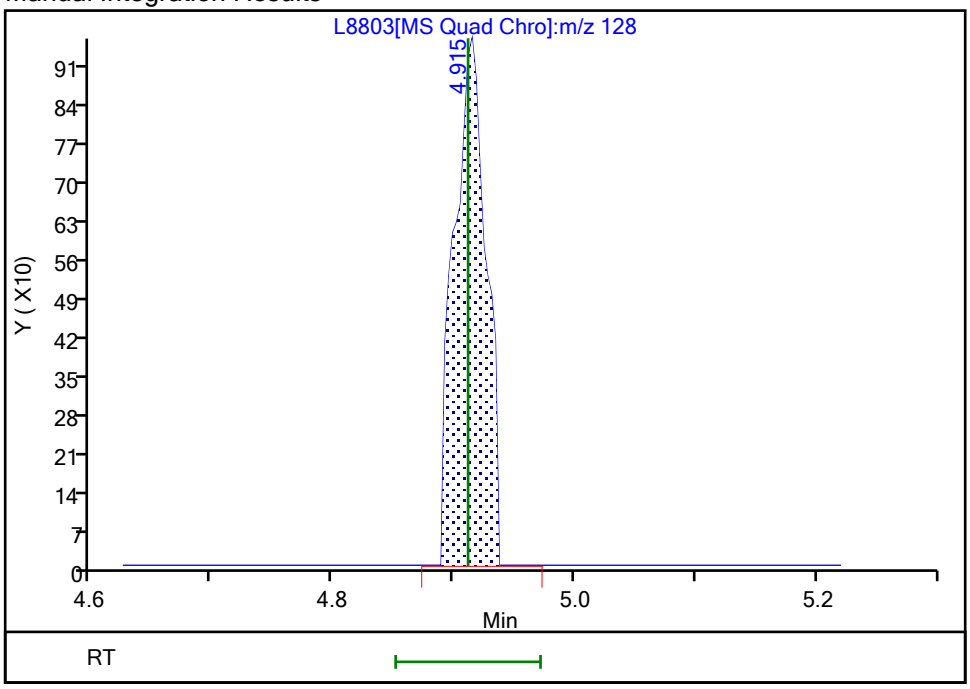
Not Detected
Expected RT: 4.91

Processing Integration Results



Manual Integration Results

RT: 4.91
Area: 1753
Amount: 0.331035
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:45:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

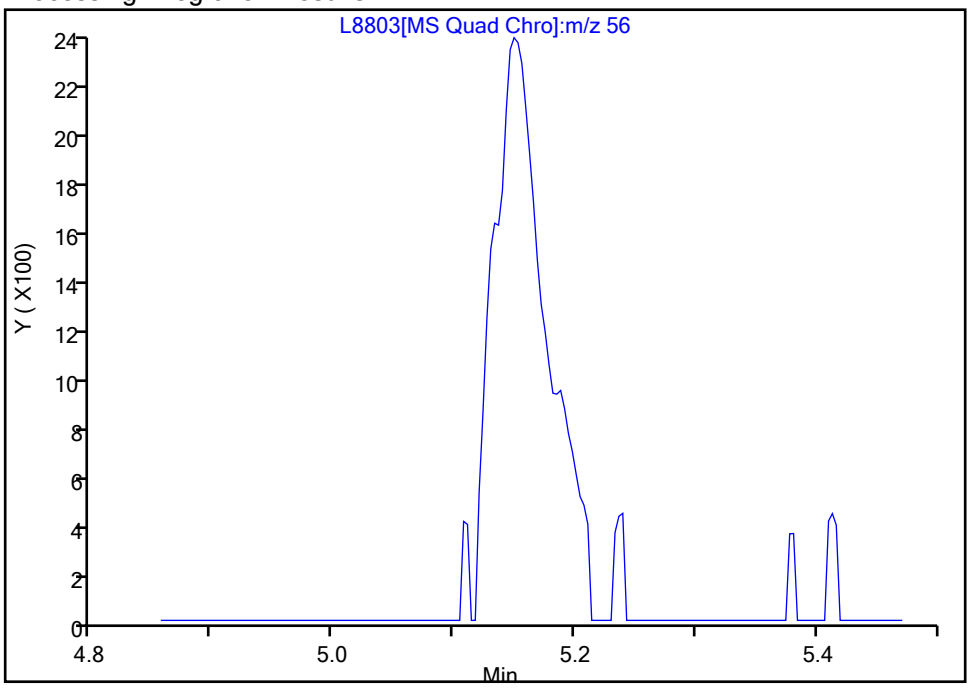
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

65 Cyclohexane, CAS: 110-82-7

Signal: 1

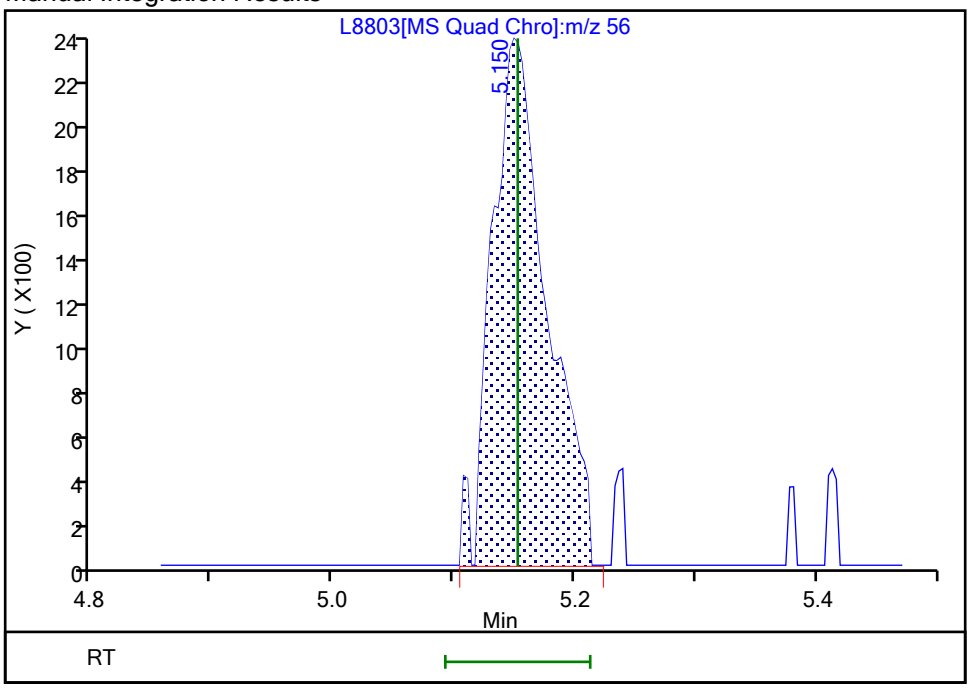
Not Detected
Expected RT: 5.15

Processing Integration Results



Manual Integration Results

RT: 5.15
Area: 7491
Amount: 0.433830
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:45:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

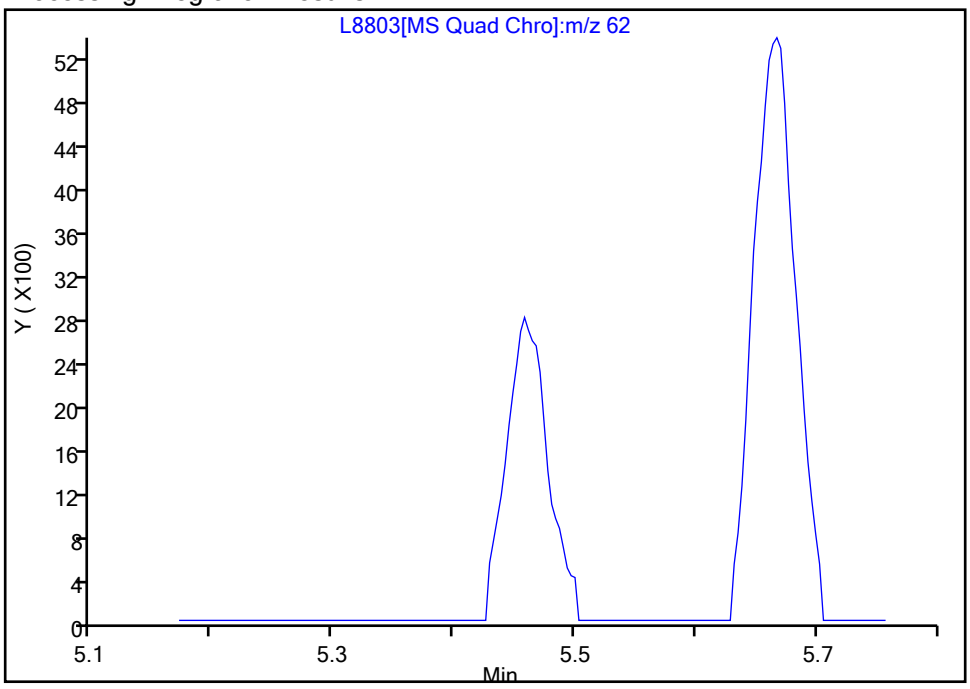
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

72 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

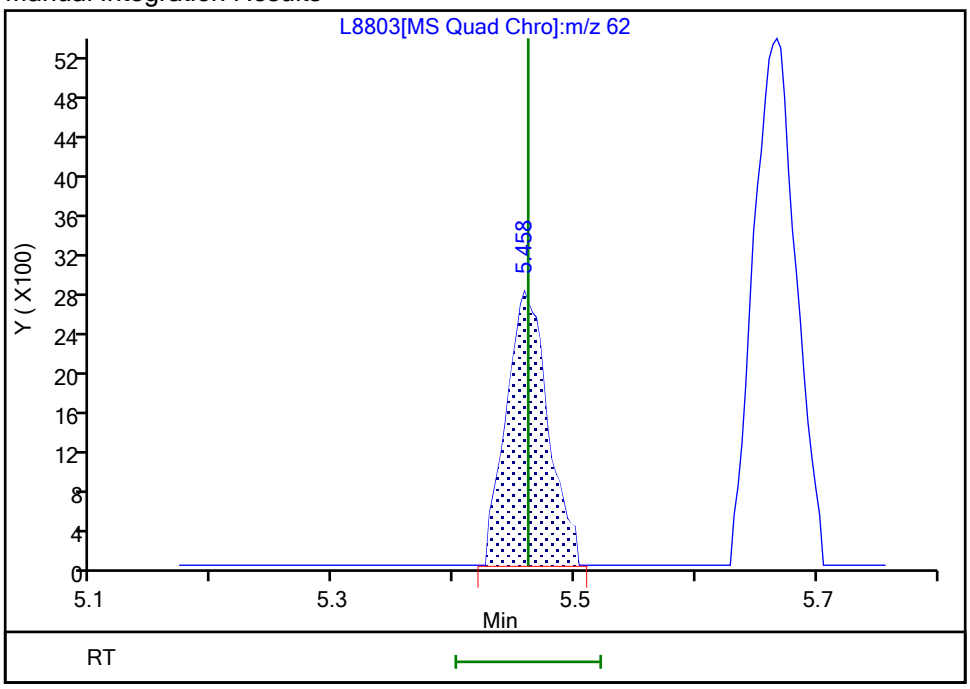
Not Detected
Expected RT: 5.46

Processing Integration Results



Manual Integration Results

RT: 5.46
Area: 6712
Amount: 0.437590
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:46:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

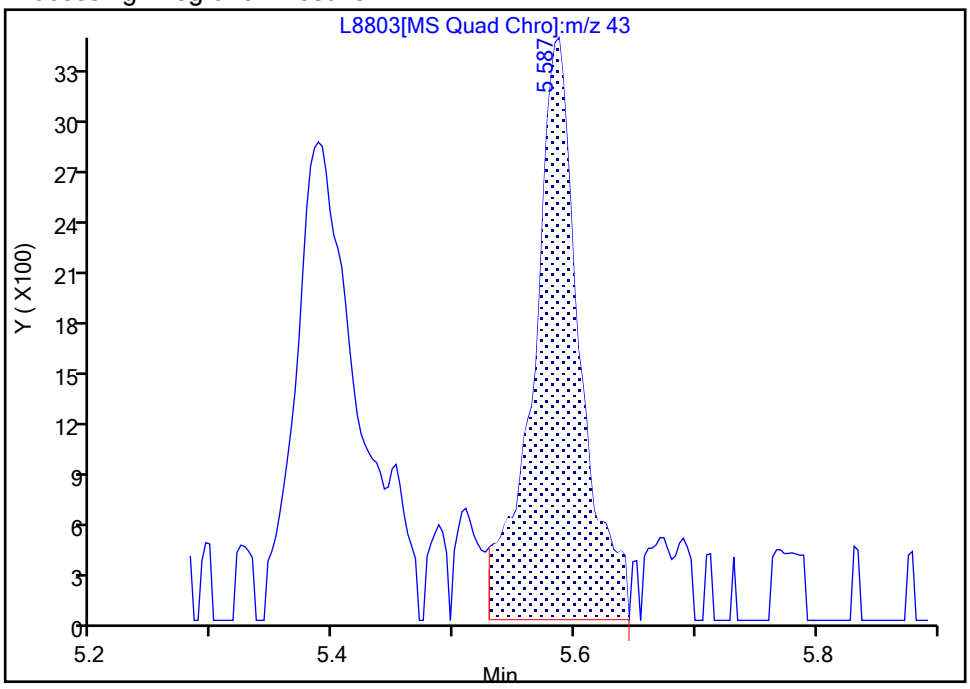
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

73 n-Heptane, CAS: 142-82-5

Signal: 1

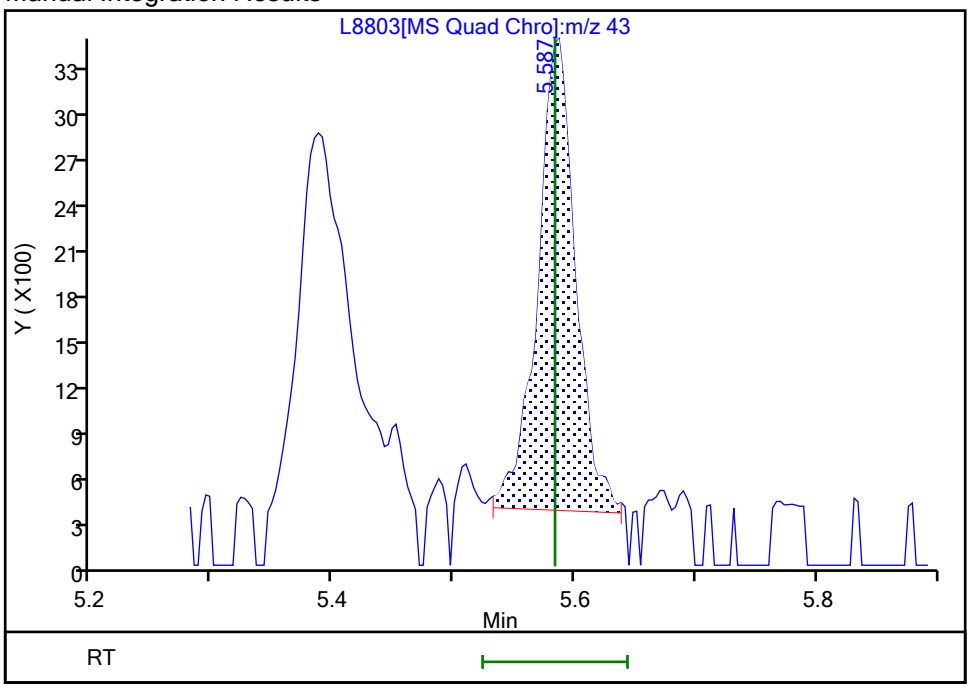
Processing Integration Results

RT: 5.59
Area: 9339
Amount: 0.436949
Amount Units: ug/L



Manual Integration Results

RT: 5.59
Area: 6815
Amount: 0.418103
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:46:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

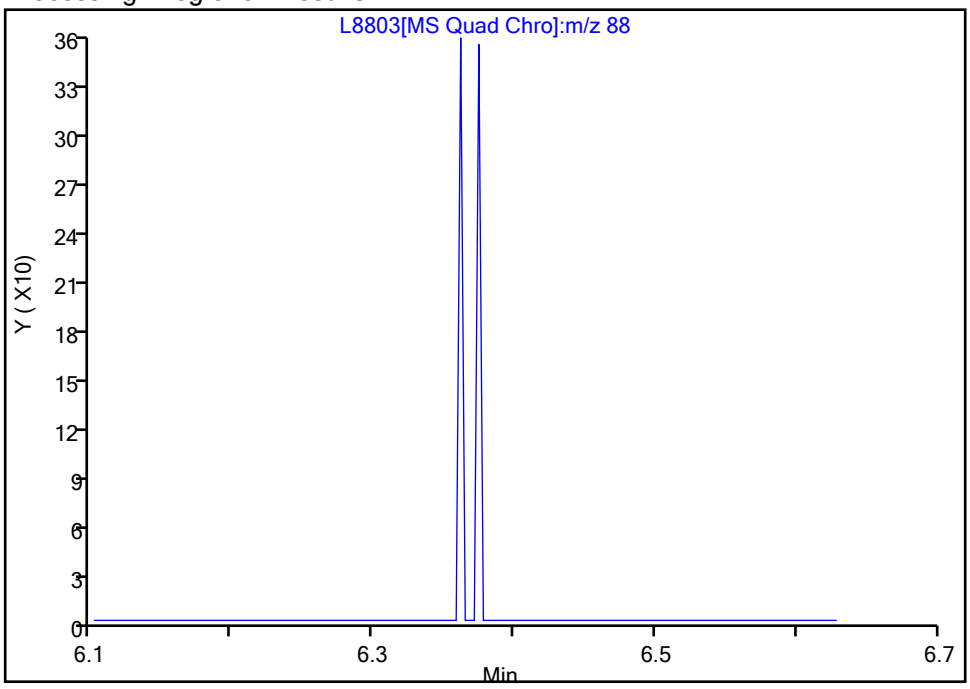
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

81 1,4-Dioxane, CAS: 123-91-1

Signal: 1

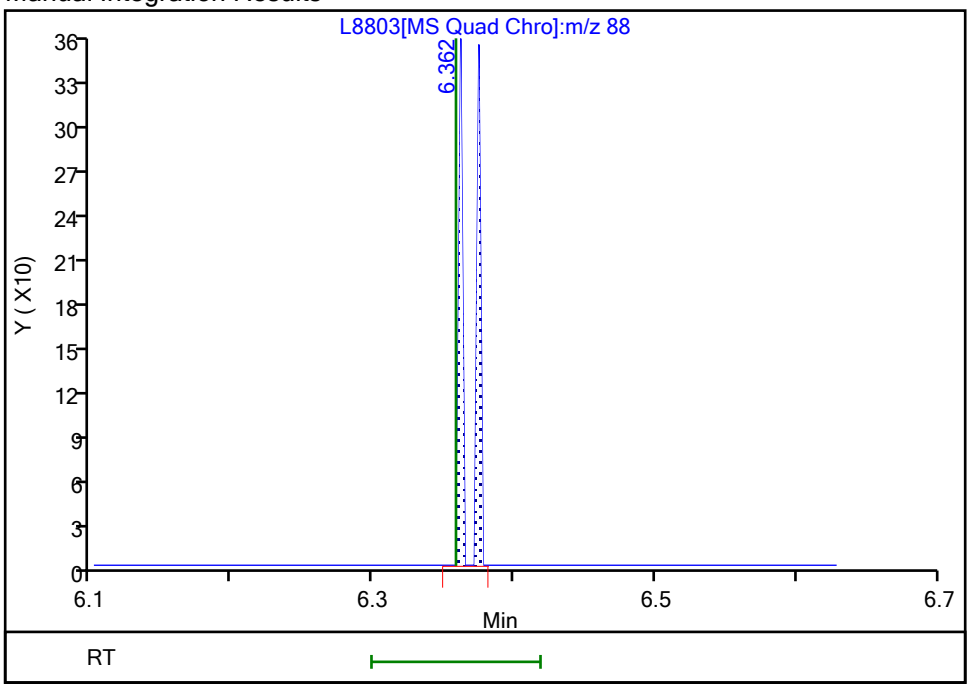
Not Detected
Expected RT: 6.36

Processing Integration Results



Manual Integration Results

RT: 6.36
Area: 136
Amount: 1.315235
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:46:26 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

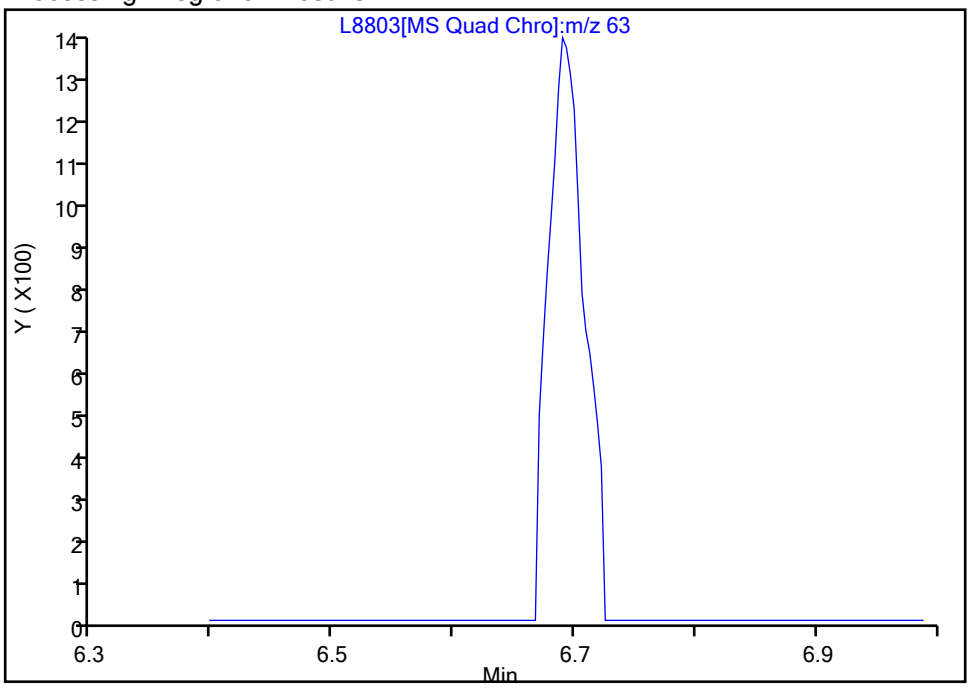
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

84 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

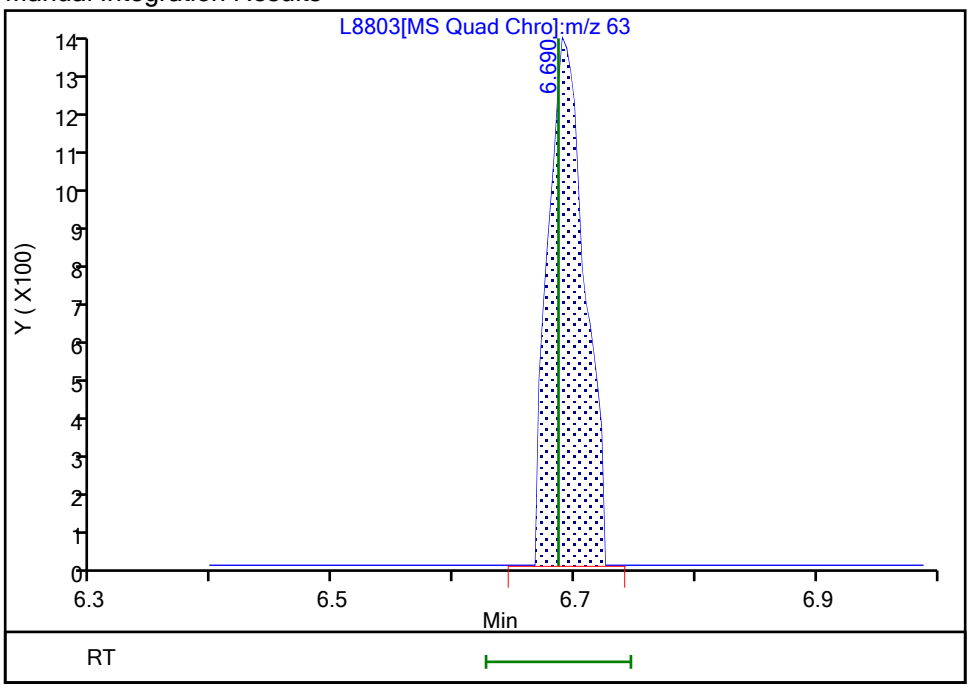
Not Detected
Expected RT: 6.69

Processing Integration Results



Manual Integration Results

RT: 6.69
Area: 2903
Amount: 0.365709
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:46:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

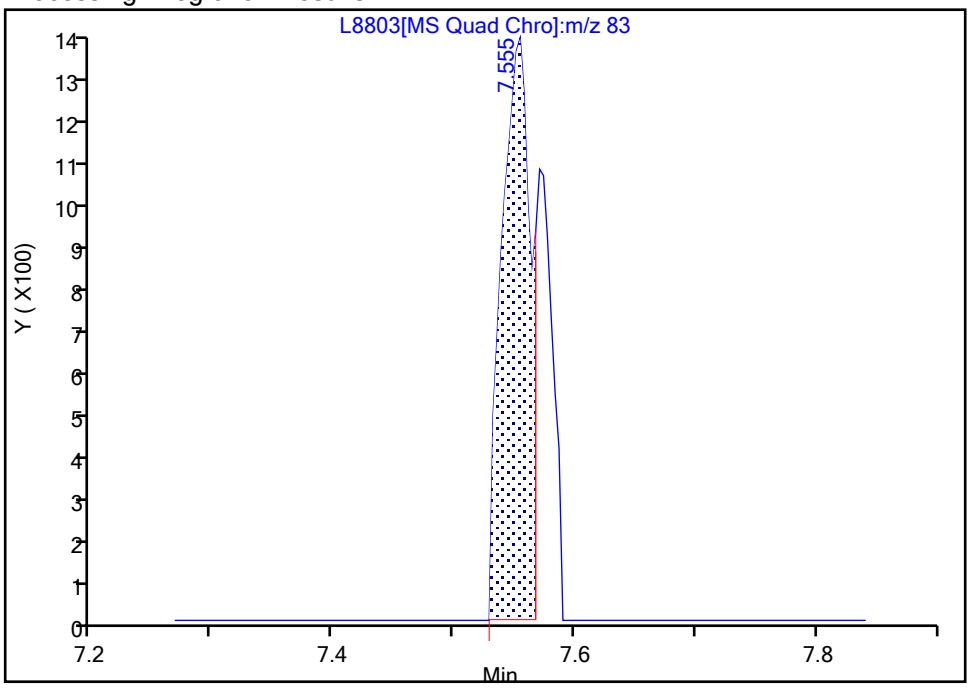
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

93 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

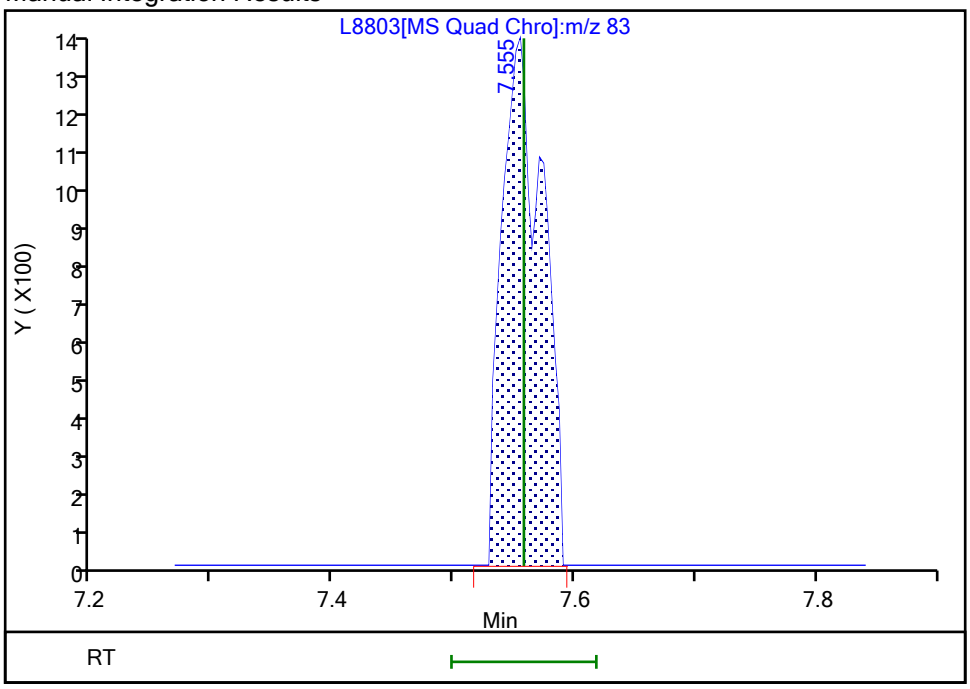
Processing Integration Results

RT: 7.55
Area: 2311
Amount: 0.303623
Amount Units: ug/L



Manual Integration Results

RT: 7.55
Area: 3209
Amount: 0.406612
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:46:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

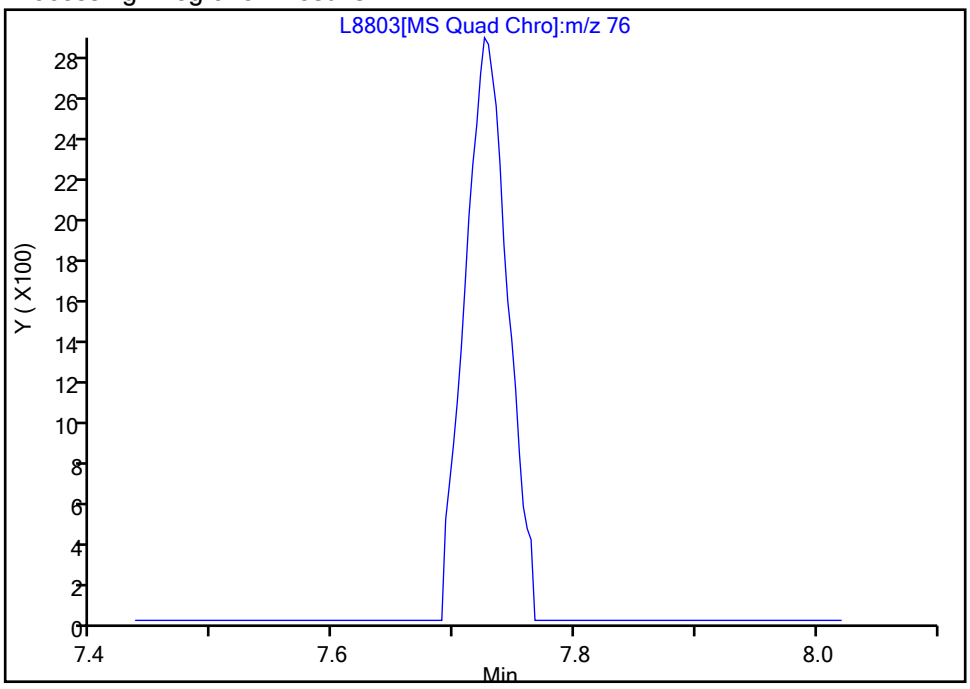
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

95 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

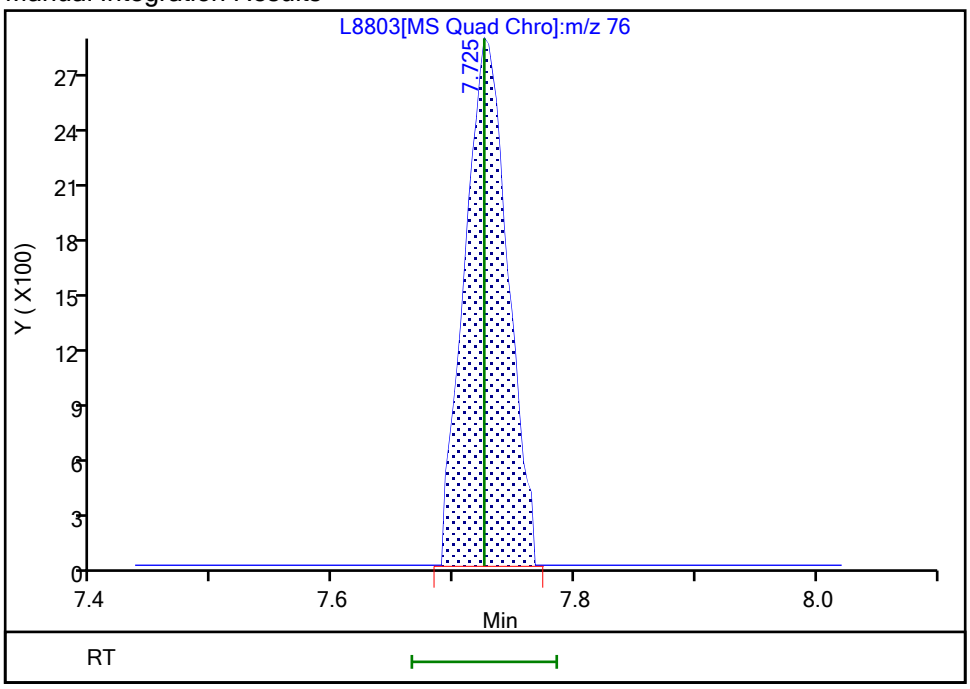
Not Detected
Expected RT: 7.72

Processing Integration Results



Manual Integration Results

RT: 7.73
Area: 7071
Amount: 0.426717
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:46:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

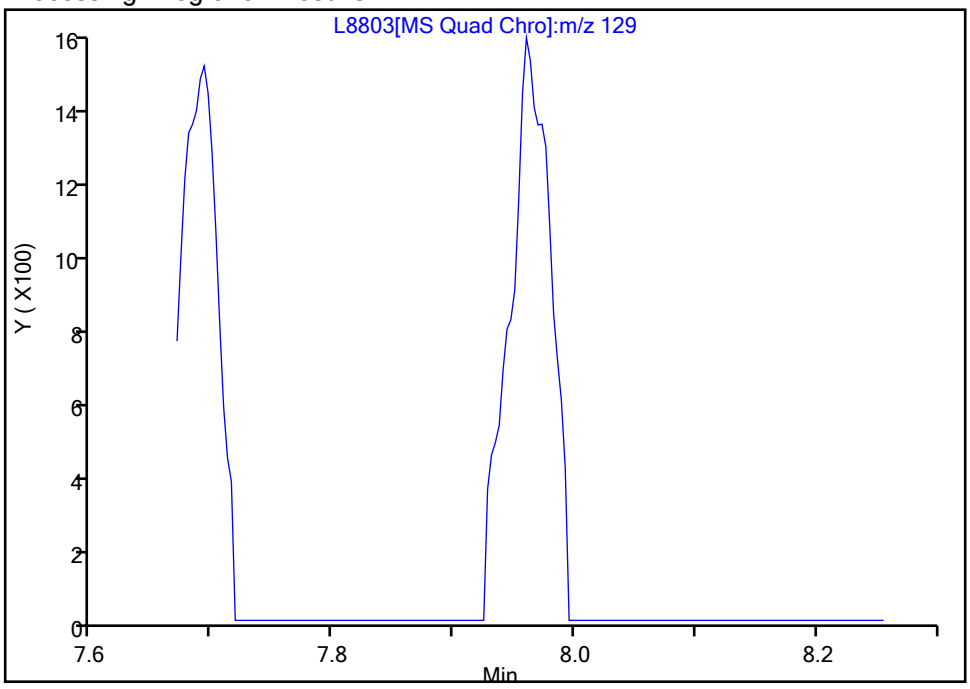
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

98 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

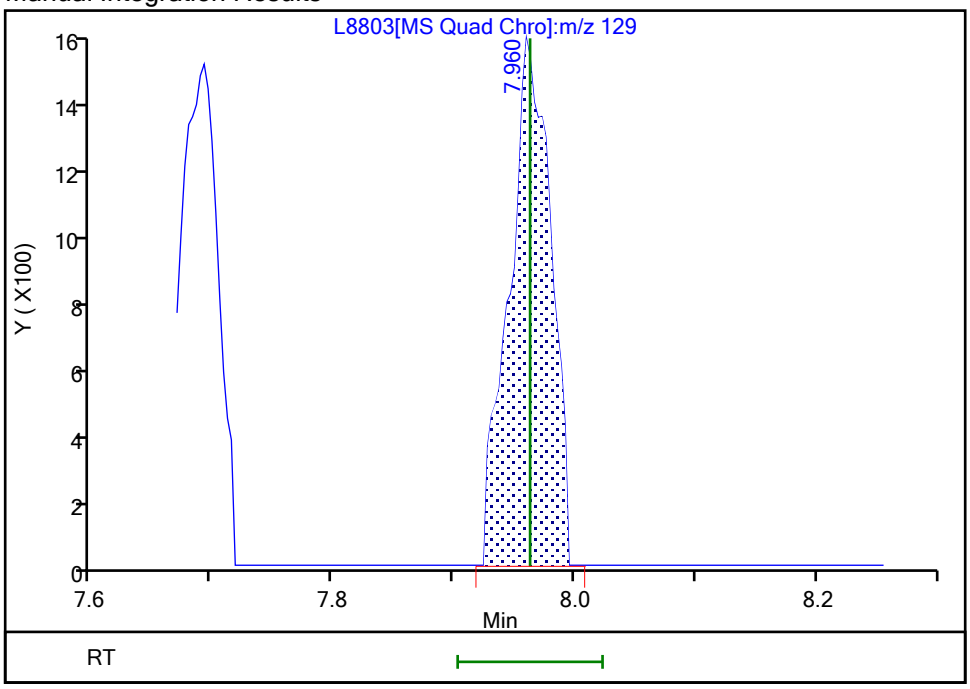
Not Detected
Expected RT: 7.96

Processing Integration Results



Manual Integration Results

RT: 7.96
Area: 3750
Amount: 0.376381
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:46:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

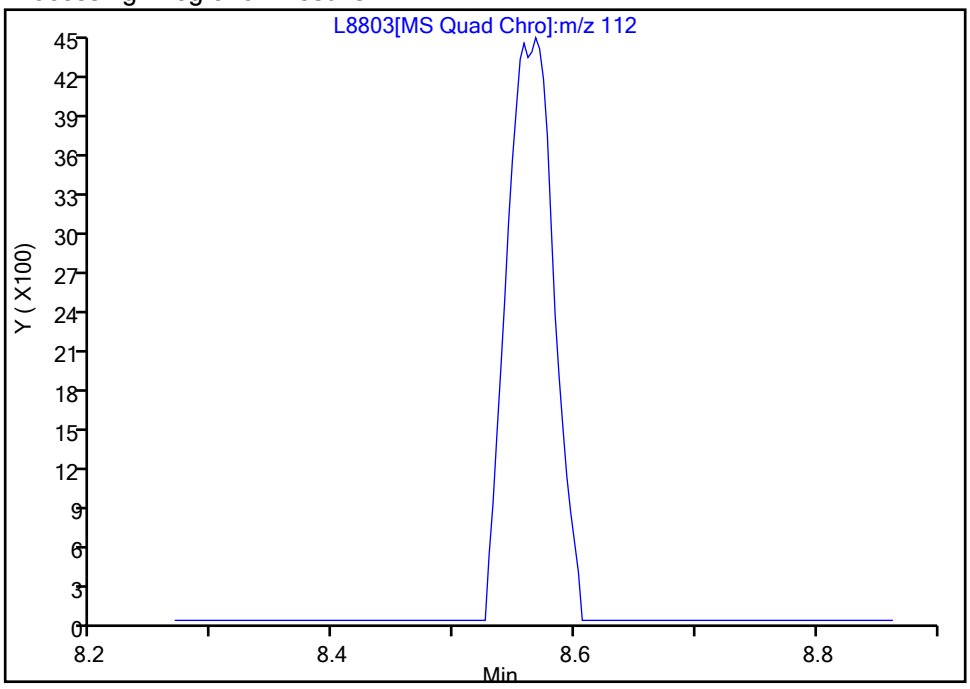
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

103 Chlorobenzene, CAS: 108-90-7

Signal: 1

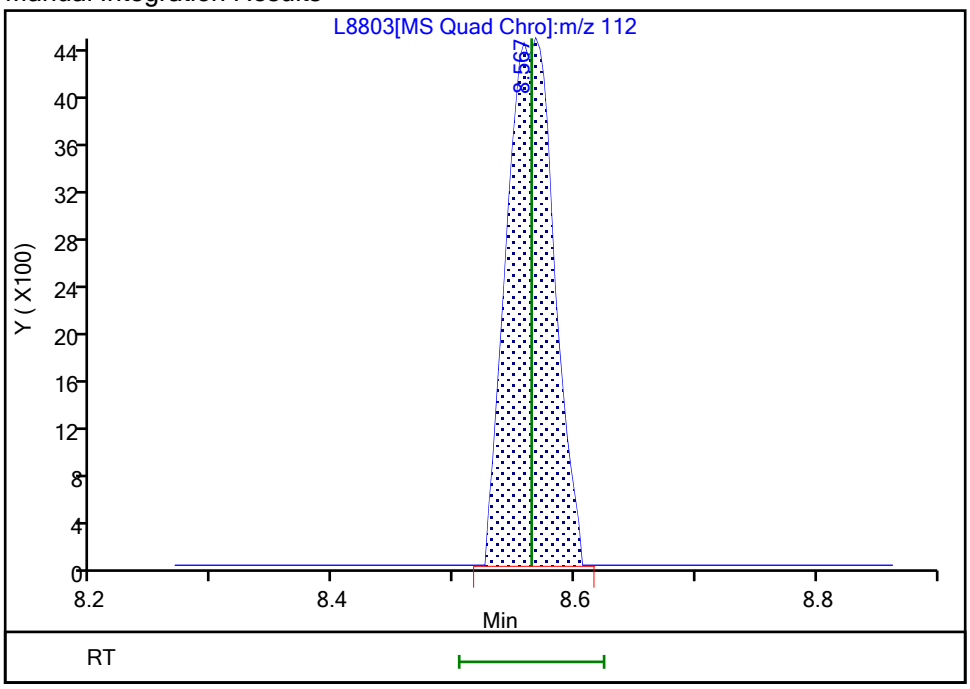
Not Detected
Expected RT: 8.56

Processing Integration Results



Manual Integration Results

RT: 8.57
Area: 12115
Amount: 0.437763
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:46:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

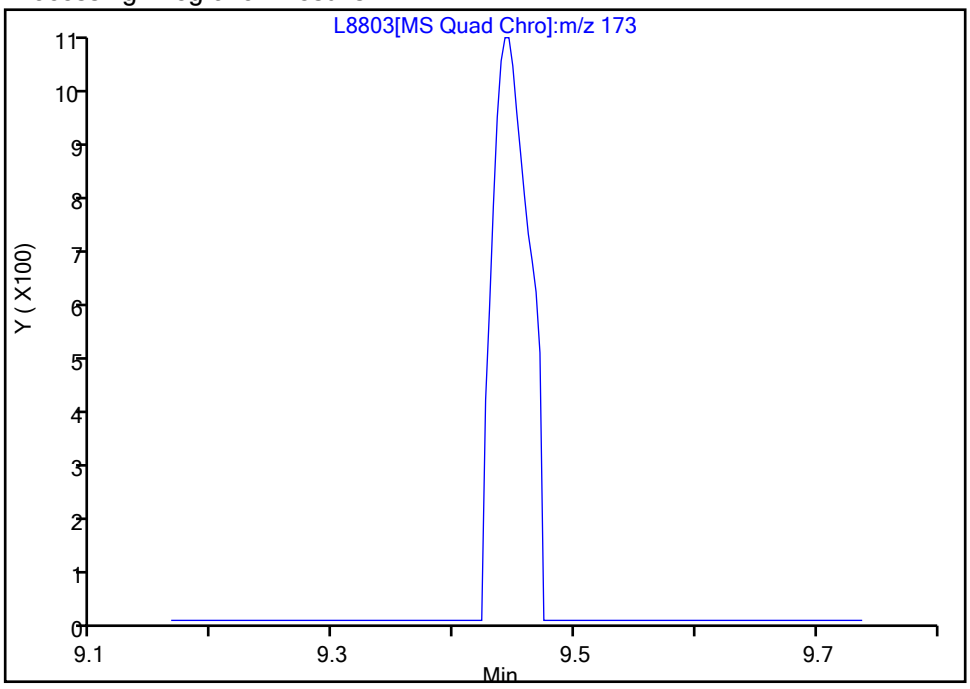
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

110 Bromoform, CAS: 75-25-2

Signal: 1

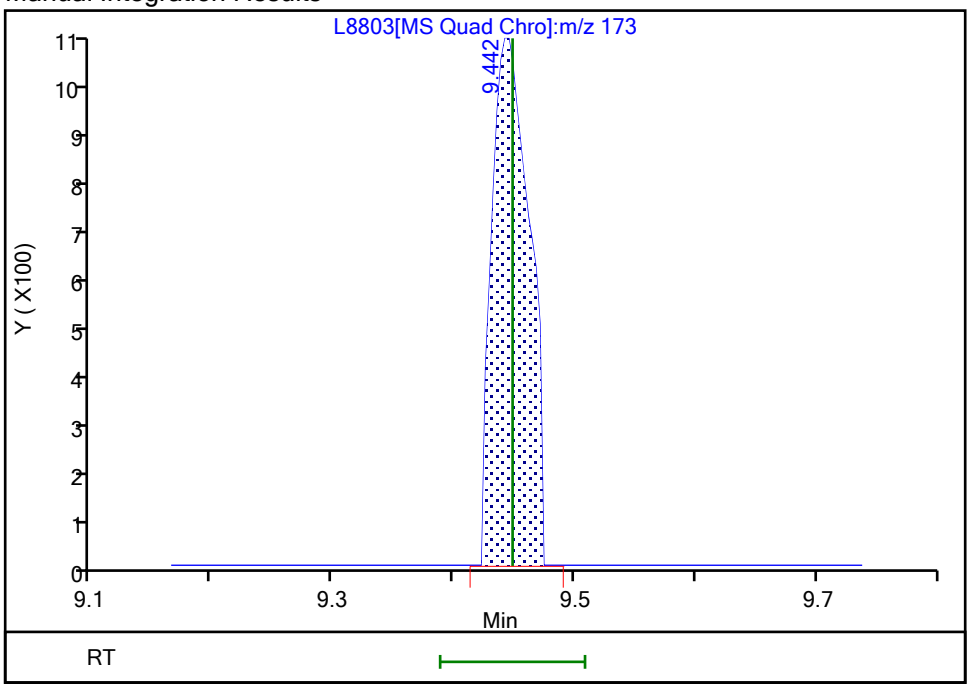
Not Detected
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.44
Area: 2258
Amount: 0.341212
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:47:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

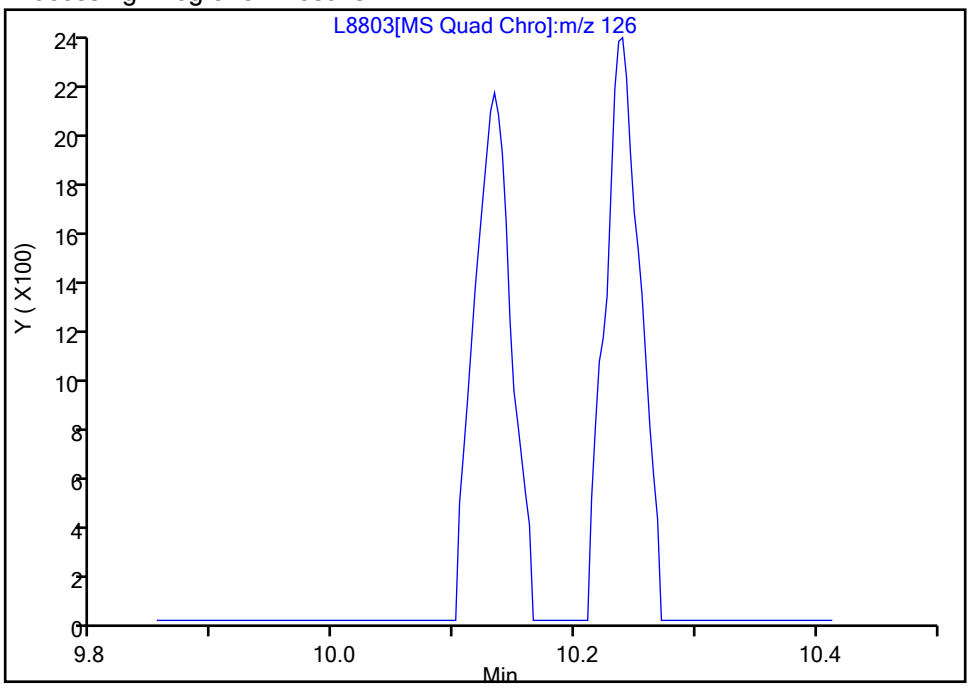
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

117 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

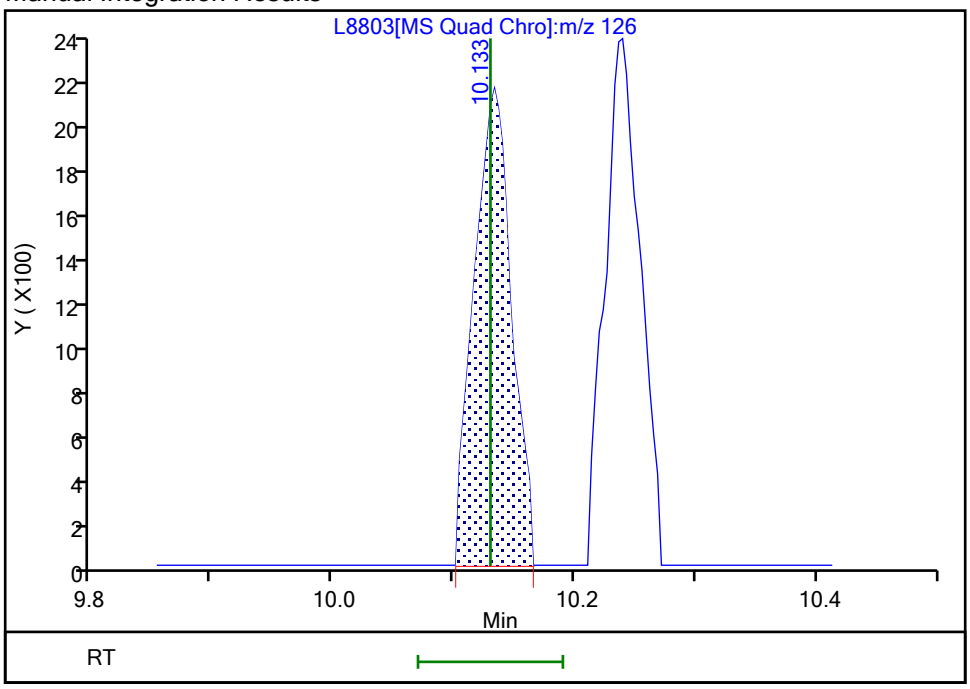
Not Detected
Expected RT: 10.13

Processing Integration Results



Manual Integration Results

RT: 10.13
Area: 4664
Amount: 0.415285
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:47:24 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

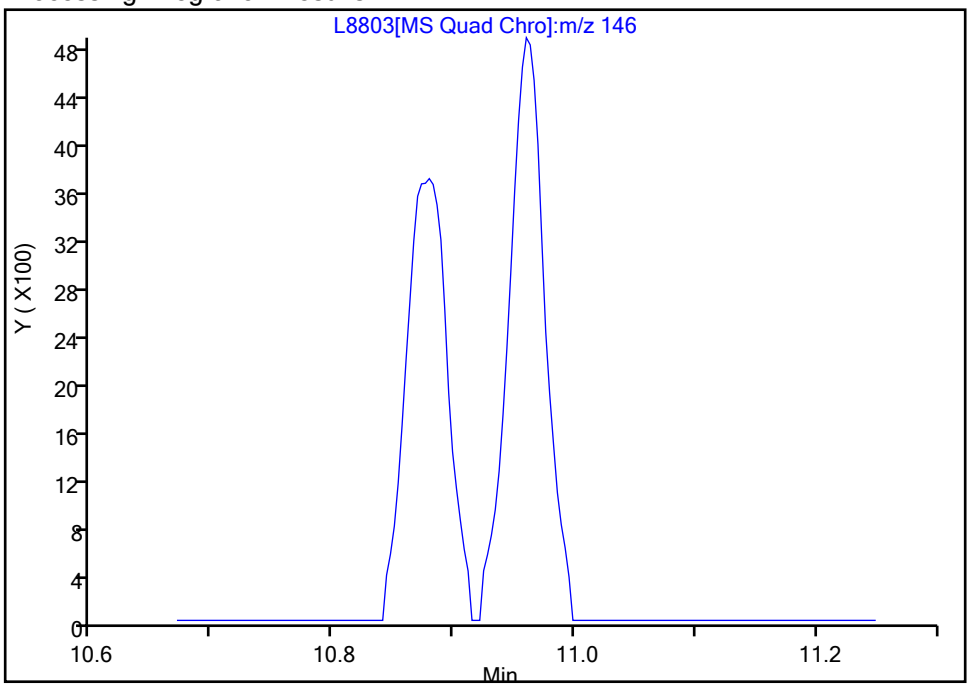
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8803.D
Injection Date: 24-Sep-2024 21:32:03 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

126 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

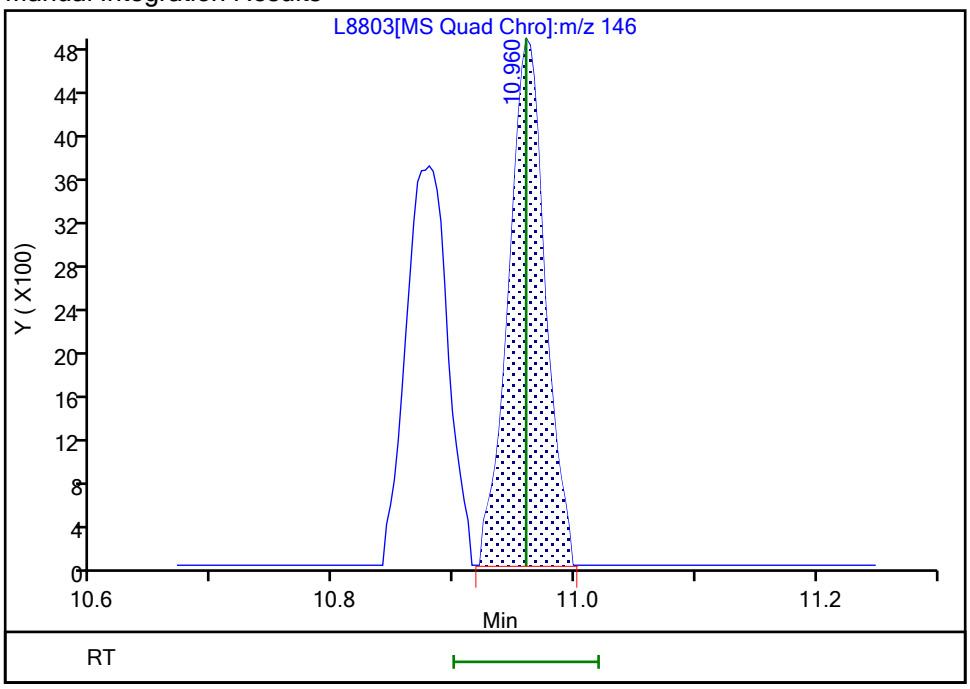
Not Detected
Expected RT: 10.96

Processing Integration Results



Manual Integration Results

RT: 10.96
Area: 10266
Amount: 0.442202
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:47:33 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Sep-2024 21:56:38 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0120201-006
Operator ID: cdc Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:01:31 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 10:48:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	178053	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	659894	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	97	352884	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	92	230553	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	98	299636	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	93	870159	25.0	25.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.767	0.000	95	257619	25.0	26.7	
10 Dichlorodifluoromethane	85	1.744	1.748	-0.004	97	11218	1.00	0.9445	
13 Chloromethane	50	1.950	1.957	-0.007	99	12350	1.00	0.9540	
14 Vinyl chloride	62	2.072	2.066	0.006	85	10820	1.00	1.02	
15 Butadiene	54	2.092	2.095	-0.003	36	8353	1.00	0.9188	M
18 Bromomethane	94	2.413	2.413	0.000	82	8037	1.00	1.02	M
19 Chloroethane	64	2.510	2.510	0.000	0	7581	1.00	1.05	M
20 Dichlorofluoromethane	67	2.703	2.699	0.004	90	18300	1.00	1.00	M
21 Trichlorofluoromethane	101	2.722	2.725	-0.003	52	13517	1.00	0.9514	
26 Ethyl ether	59	2.995	2.998	-0.003	94	10232	1.00	1.06	
28 Acrolein	56	3.140	3.137	0.003	95	8334	5.00	5.04	M
30 1,1-Dichloroethene	96	3.185	3.198	-0.013	96	9452	1.00	0.9805	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.217	3.198	0.019	0	6779	1.00	0.7823	M
31 Acetone	43	3.294	3.291	0.003	100	24813	5.00	5.04	
33 Iodomethane	142	3.352	3.358	-0.006	93	13765	1.00	0.9542	
35 Carbon disulfide	76	3.416	3.416	0.000	0	28647	1.00	0.9607	M
37 3-Chloro-1-propene	41	3.510	3.510	0.000	86	14941	1.00	0.9662	M
38 Methyl acetate	43	3.555	3.555	0.000	98	24784	2.00	2.07	
39 Methylene Chloride	84	3.629	3.629	0.000	96	14318	1.00	1.01	
40 2-Methyl-2-propanol	59	3.786	3.793	-0.007	98	20002	10.0	9.59	
42 trans-1,2-Dichloroethene	96	3.847	3.850	-0.003	94	10148	1.00	0.9855	
44 Acrylonitrile	53	3.860	3.857	0.003	98	61956	10.0	10.4	
41 Methyl tert-butyl ether	73	3.870	3.866	0.004	90	32771	1.00	1.00	
47 Hexane	57	4.031	4.034	-0.003	92	16815	1.00	0.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.204	4.207	-0.003	96	17847	1.00	0.99	
49 Vinyl acetate	43	4.240	4.239	0.001	97	49290	2.00	2.02	
56 2,2-Dichloropropane	77	4.680	4.683	-0.003	90	11780	1.00	1.23	
58 cis-1,2-Dichloroethene	96	4.696	4.699	-0.003	0	10243	1.00	0.9465	M
57 2-Butanone (MEK)	43	4.735	4.731	0.004	99	43198	5.00	5.28	
60 Chlorobromomethane	128	4.915	4.911	0.004	0	5511	1.00	1.03	M
62 Chloroform	83	4.960	4.960	0.000	92	20918	1.00	1.12	
61 Tetrahydrofuran	42	5.005	4.998	0.007	83	13469	2.00	2.38	
64 1,1,1-Trichloroethane	97	5.111	5.114	-0.003	0	14291	1.00	1.00	M
65 Cyclohexane	56	5.153	5.153	0.000	89	16963	1.00	0.9683	
67 1,1-Dichloropropene	75	5.249	5.246	0.003	92	13535	1.00	0.9757	
66 Carbon tetrachloride	117	5.256	5.259	-0.003	78	12383	1.00	0.9647	
69 Isobutyl alcohol	43	5.384	5.384	0.000	96	21160	25.0	27.5	
70 Benzene	78	5.436	5.436	0.000	93	38159	1.00	0.9820	
72 1,2-Dichloroethane	62	5.465	5.461	0.004	97	14995	1.00	0.9636	
73 n-Heptane	43	5.584	5.583	0.001	95	17229	1.00	1.04	M
75 Trichloroethene	95	5.989	5.989	0.000	98	11015	1.00	1.05	
76 Methylcyclohexane	83	6.137	6.140	-0.003	90	17739	1.00	0.9770	
77 1,2-Dichloropropane	63	6.198	6.194	0.004	94	9600	1.00	0.9524	
82 Dibromomethane	93	6.330	6.326	0.004	0	6839	1.00	0.9738	M
81 1,4-Dioxane	88	6.358	6.358	0.000	61	1358	20.0	13.2	
83 Dichlorobromomethane	83	6.452	6.445	0.007	96	13064	1.00	1.00	
84 2-Chloroethyl vinyl ether	63	6.693	6.686	0.007	93	7581	1.00	0.9413	
85 cis-1,3-Dichloropropene	75	6.850	6.847	0.003	93	16580	1.00	0.9847	
87 4-Methyl-2-pentanone (MIBK)	43	6.989	6.985	0.004	97	81318	5.00	5.10	
88 Toluene	92	7.153	7.153	0.000	98	28214	1.00	1.13	
91 trans-1,3-Dichloropropene	75	7.365	7.368	-0.003	93	15308	1.00	1.02	
90 Ethyl methacrylate	69	7.423	7.423	0.000	91	15488	1.00	0.9691	
93 1,1,2-Trichloroethane	83	7.558	7.558	0.000	91	8533	1.00	1.09	
94 Tetrachloroethene	166	7.693	7.690	0.003	91	9102	1.00	0.9236	
95 1,3-Dichloropropane	76	7.722	7.725	-0.003	89	16191	1.00	0.9842	
96 2-Hexanone	43	7.789	7.786	0.003	96	62014	5.00	5.20	
98 Chlorodibromomethane	129	7.956	7.963	-0.007	87	9557	1.00	0.9662	
101 Ethylene Dibromide	107	8.088	8.088	0.000	93	10068	1.00	0.9786	
103 Chlorobenzene	112	8.561	8.564	-0.003	94	27301	1.00	0.99	
105 1,1,1,2-Tetrachloroethane	131	8.638	8.641	-0.003	44	9584	1.00	1.00	
104 Ethylbenzene	91	8.641	8.644	-0.003	98	47888	1.00	1.02	
106 m-Xylene & p-Xylene	106	8.757	8.763	-0.006	98	18127	1.00	1.00	
107 o-Xylene	106	9.191	9.188	0.003	97	17122	1.00	0.9684	
109 Styrene	104	9.207	9.207	0.000	91	27363	1.00	0.9315	
110 Bromoform	173	9.452	9.448	0.004	93	5862	1.00	0.8923	
111 Isopropylbenzene	105	9.564	9.564	0.000	96	43753	1.00	1.01	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.924	0.000	94	15577	1.00	1.03	
113 Bromobenzene	156	9.944	9.943	0.001	90	11540	1.00	1.04	
116 1,2,3-Trichloropropane	110	9.982	9.976	0.006	0	5131	1.00	0.9829	M
115 trans-1,4-Dichloro-2-butene	53	9.979	9.979	0.000	70	4307	1.00	0.8413	
114 N-Propylbenzene	91	10.008	10.008	0.000	98	56667	1.00	1.01	
117 2-Chlorotoluene	126	10.127	10.130	-0.003	97	11019	1.00	1.01	
118 1,3,5-Trimethylbenzene	105	10.188	10.188	0.000	95	39489	1.00	1.01	
119 4-Chlorotoluene	91	10.236	10.239	-0.003	98	36303	1.00	0.9881	
120 tert-Butylbenzene	134	10.519	10.519	0.000	92	8947	1.00	1.05	
121 1,2,4-Trimethylbenzene	105	10.571	10.570	0.001	97	40598	1.00	1.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.735	10.734	0.001	94	53069	1.00	1.03	
123 4-Isopropyltoluene	119	10.866	10.866	0.000	97	43833	1.00	1.00	
124 1,3-Dichlorobenzene	146	10.879	10.876	0.003	96	22536	1.00	1.04	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	94	22909	1.00	1.02	
127 n-Butylbenzene	91	11.249	11.246	0.003	98	42469	1.00	1.04	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	93	20824	1.00	0.9751	
129 1,2-Dibromo-3-Chloropropane	75	11.992	11.992	0.000	83	3700	1.00	0.9441	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	92	14900	1.00	1.02	
131 Hexachlorobutadiene	225	12.751	12.754	-0.003	92	5396	1.00	1.06	
132 Naphthalene	128	12.847	12.850	-0.003	97	52104	1.00	1.02	
133 1,2,3-Trichlorobenzene	180	13.043	13.046	-0.003	93	13673	1.00	0.9783	
S 144 1,3-Dichloropropene, Total	1				0			2.00	
S 143 Xylenes, Total	1				0			1.97	
S 142 Total BTEX	1				0			5.10	
S 141 1,2-Dichloroethene, Total	1				0			1.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00259	Amount Added:	1.00	Units: uL	
GAS CORP mix_00642	Amount Added:	1.00	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:01:33 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D

Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L

Lims ID: IC

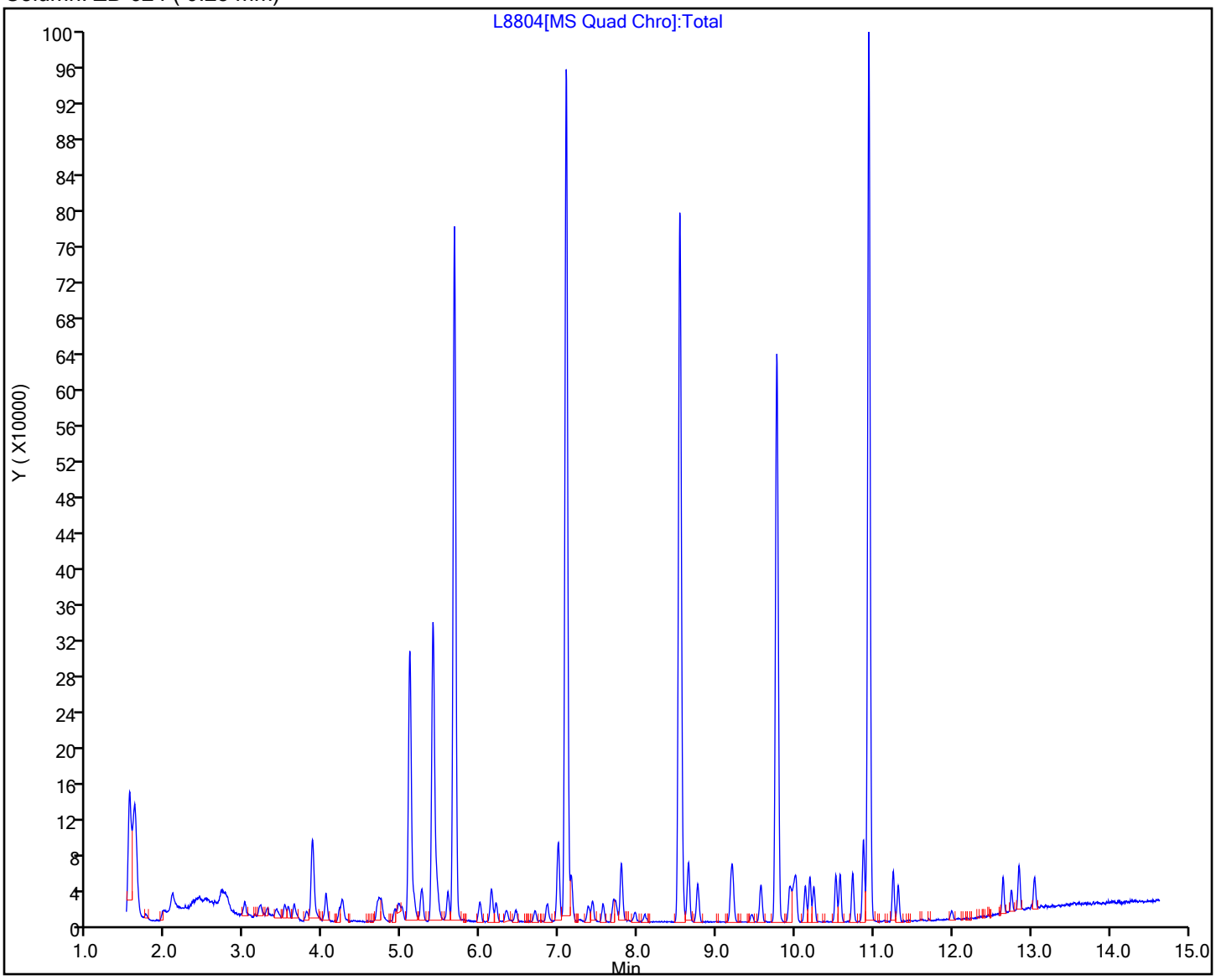
Client ID:

Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

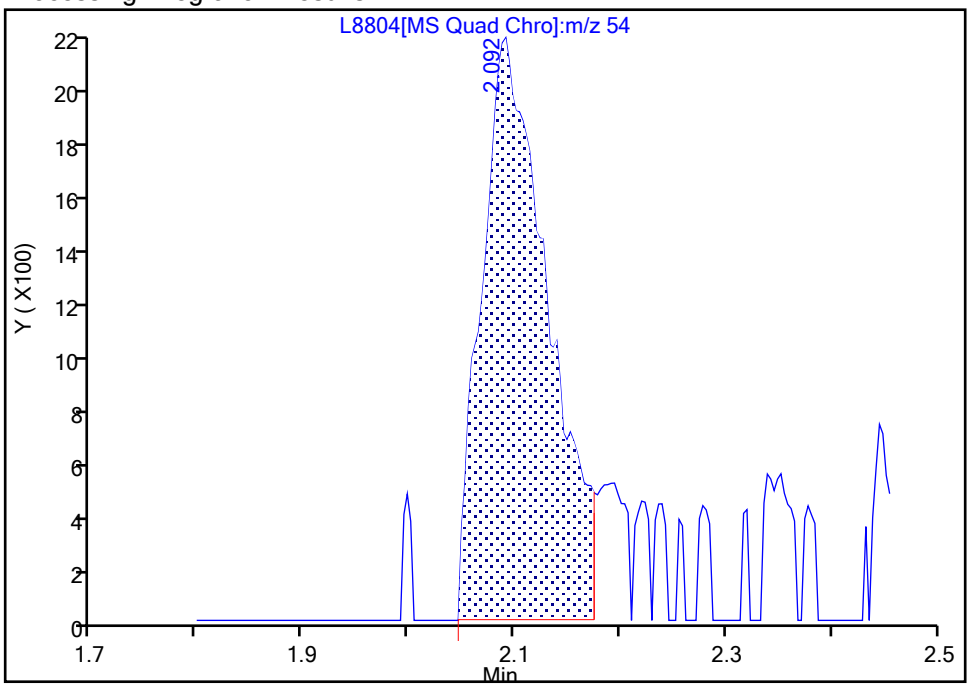
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

15 Butadiene, CAS: 106-99-0

Signal: 1

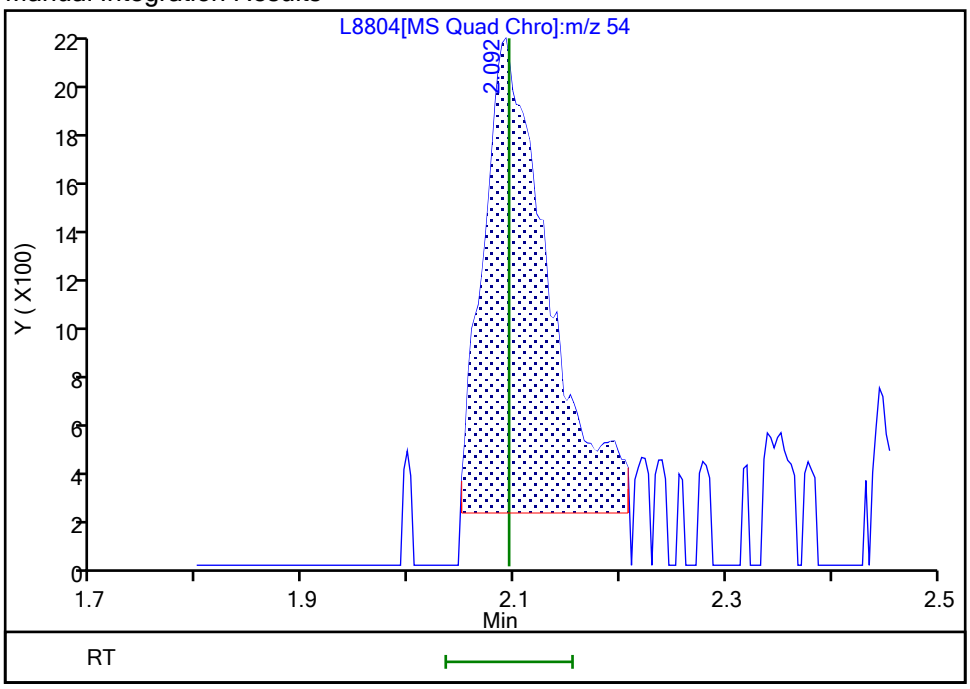
Processing Integration Results

RT: 2.09
Area: 9582
Amount: 1.048238
Amount Units: ug/L



Manual Integration Results

RT: 2.09
Area: 8353
Amount: 0.918843
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:50:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

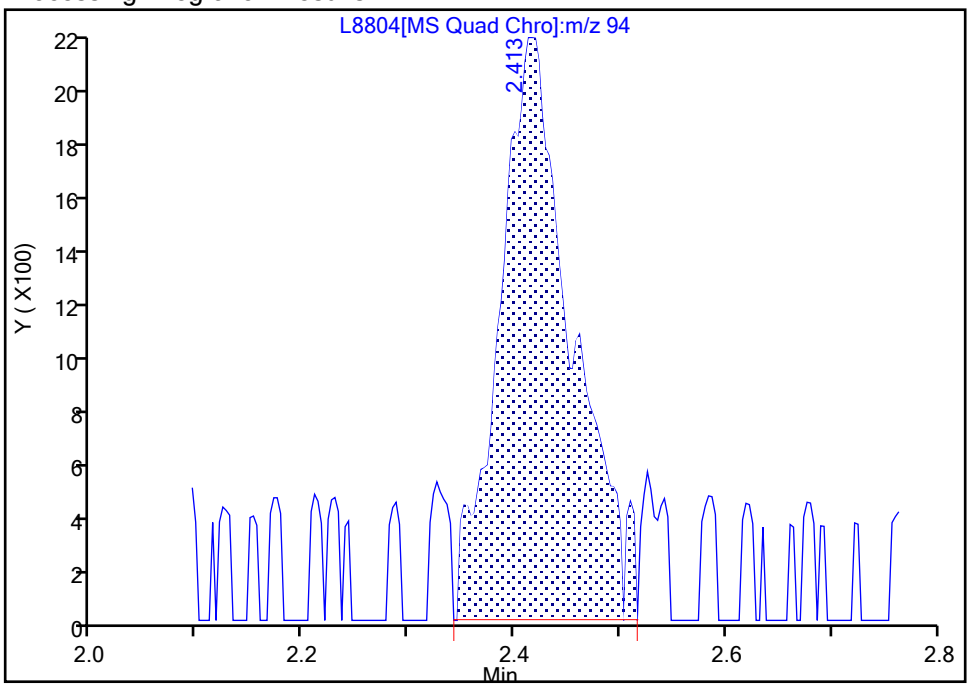
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

18 Bromomethane, CAS: 74-83-9

Signal: 1

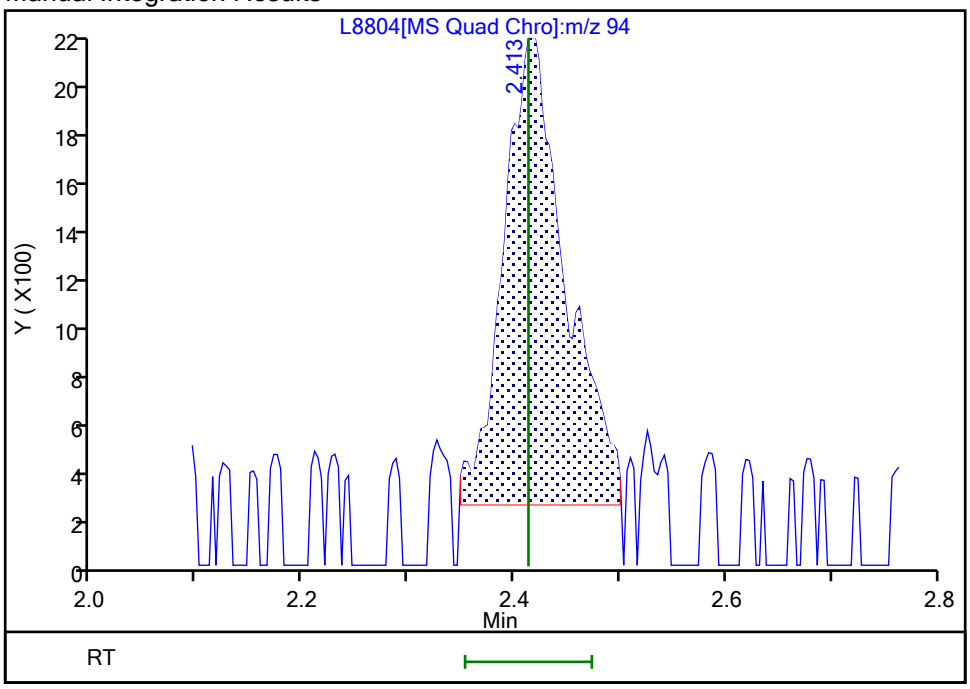
Processing Integration Results

RT: 2.41
Area: 10593
Amount: 1.294717
Amount Units: ug/L



Manual Integration Results

RT: 2.41
Area: 8037
Amount: 1.023507
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:50:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

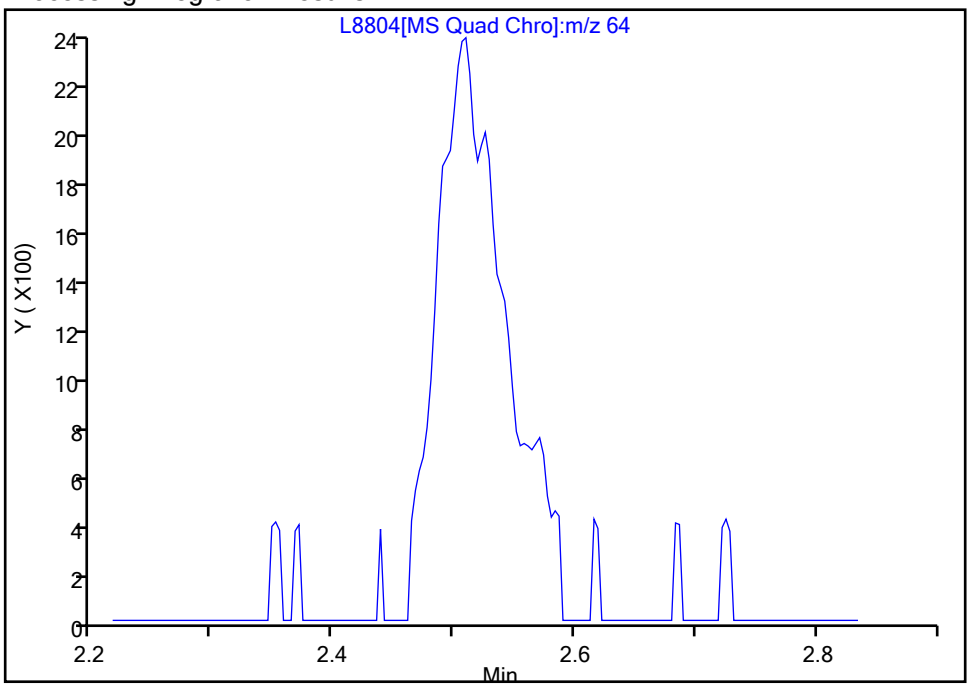
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

19 Chloroethane, CAS: 75-00-3

Signal: 1

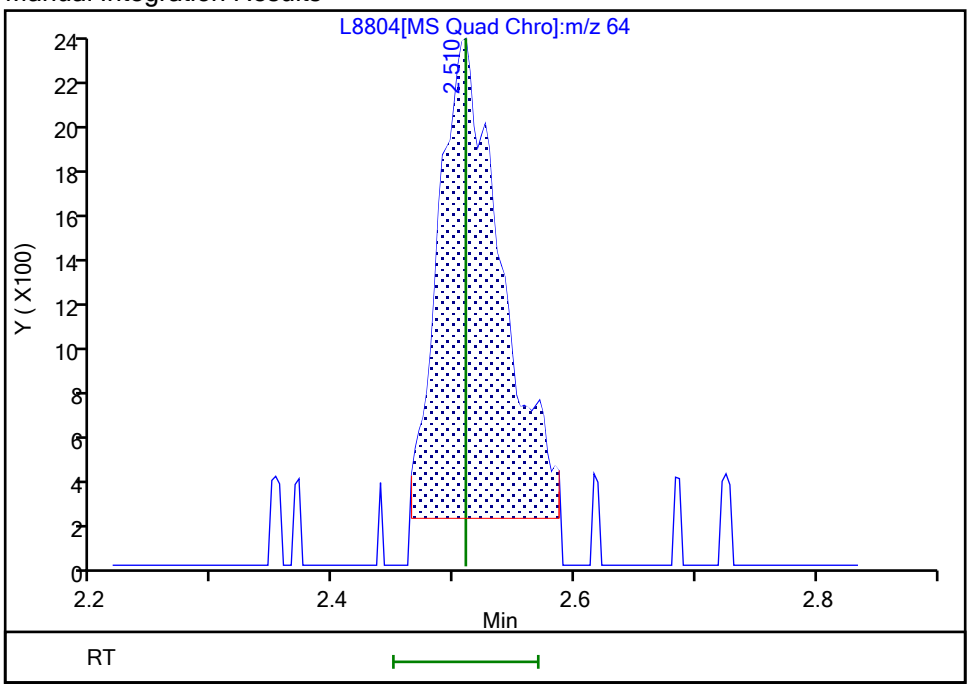
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.51
Area: 7581
Amount: 1.052724
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:50:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

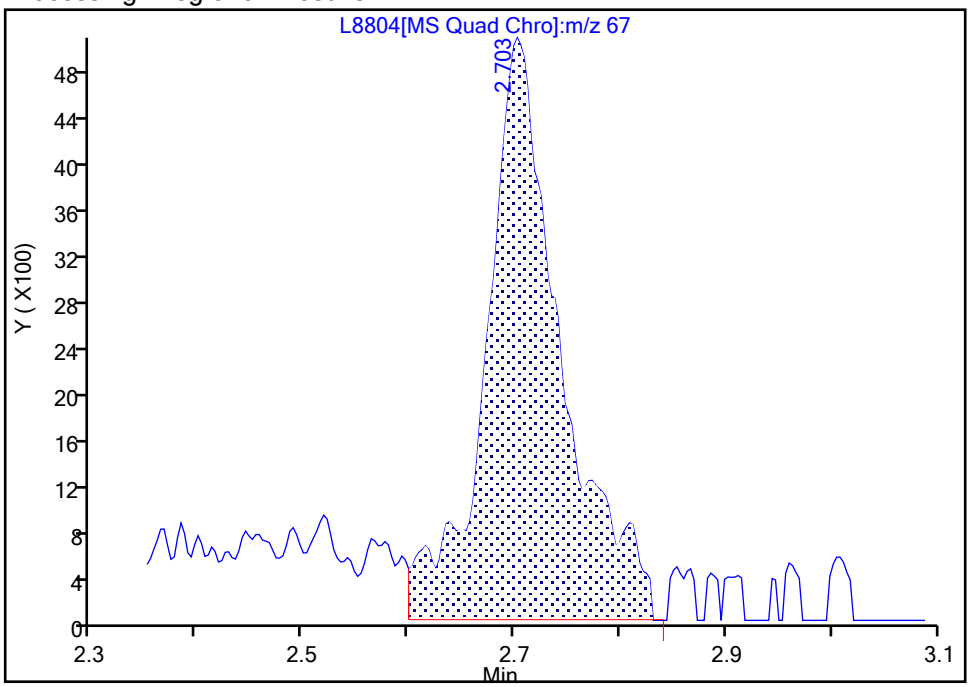
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

20 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

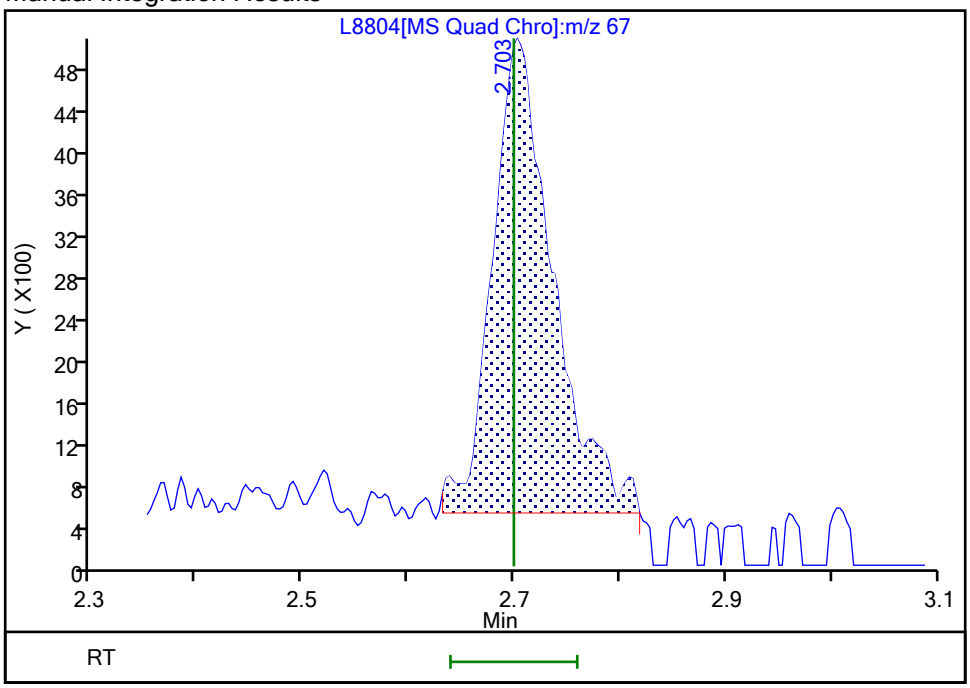
Processing Integration Results

RT: 2.70
Area: 25302
Amount: 1.323025
Amount Units: ug/L



Manual Integration Results

RT: 2.70
Area: 18300
Amount: 1.002789
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:51:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

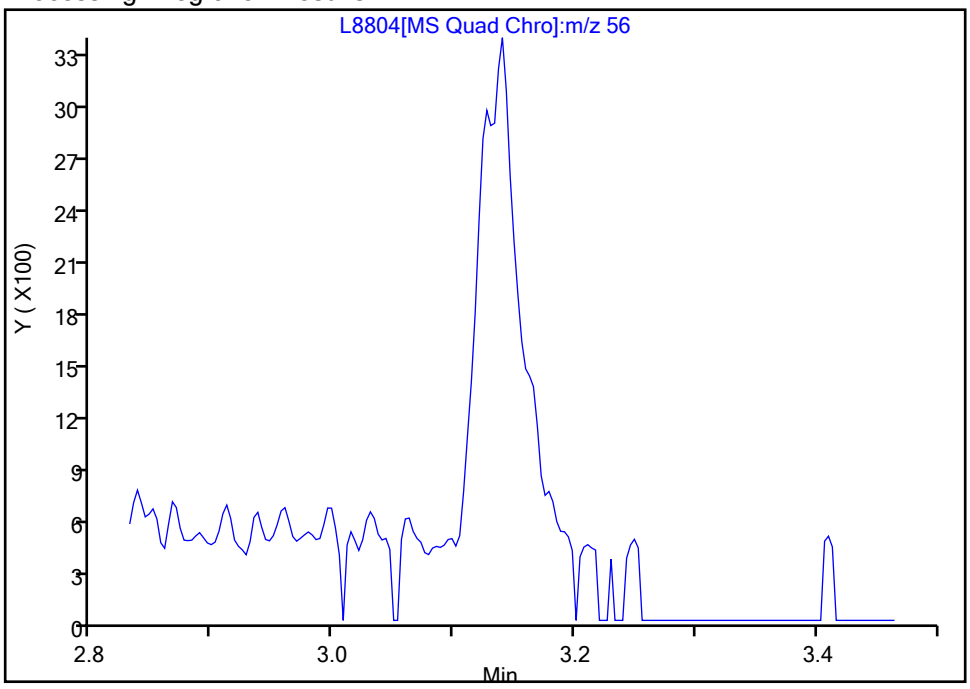
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

28 Acrolein, CAS: 107-02-8

Signal: 1

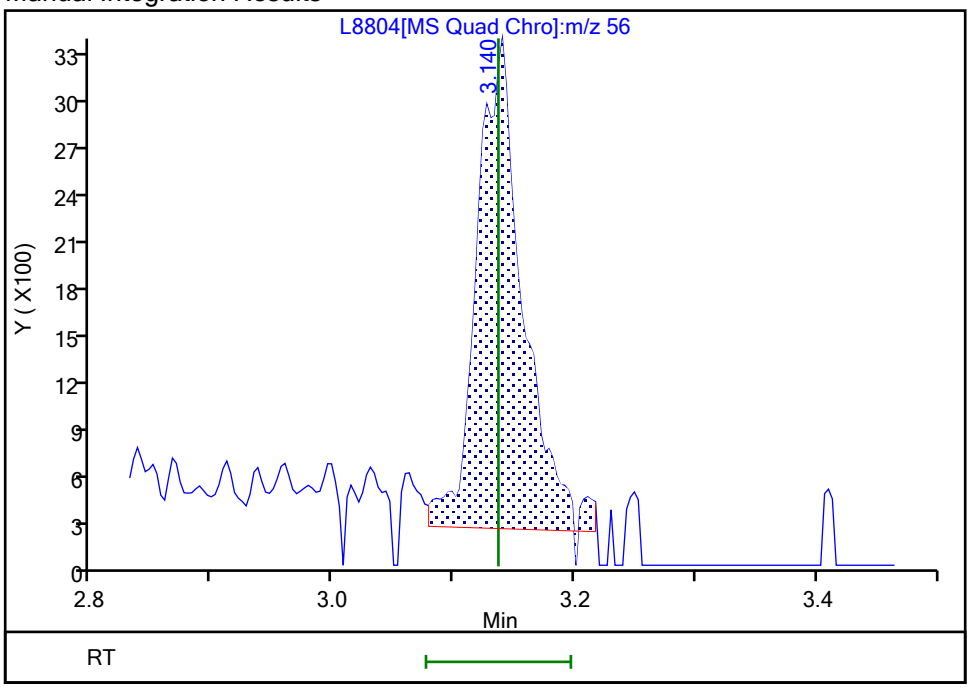
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 8334
Amount: 5.035884
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:51:20 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

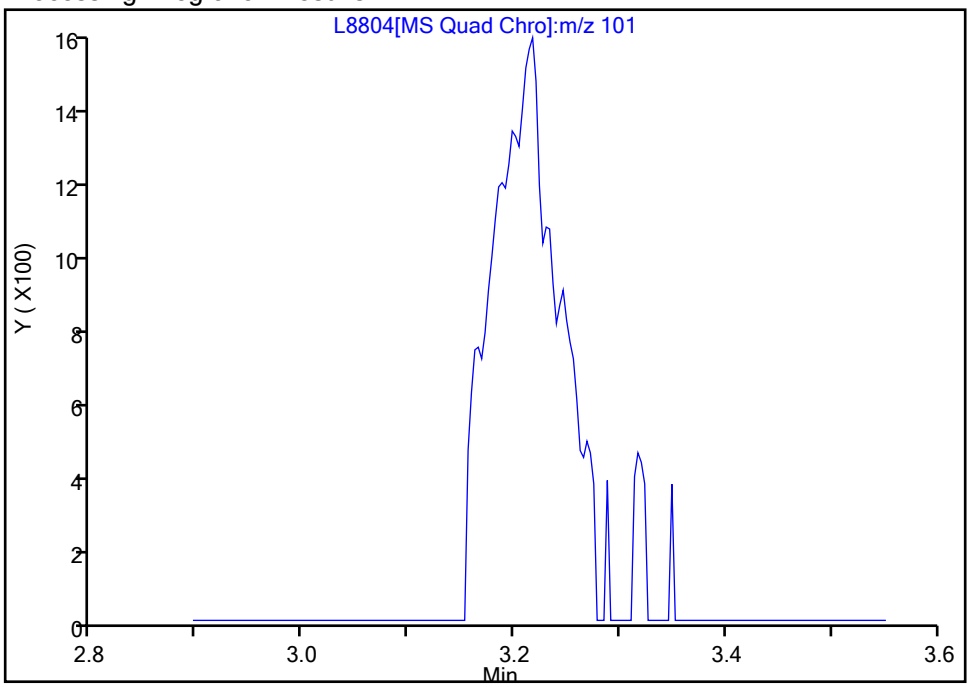
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

29 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

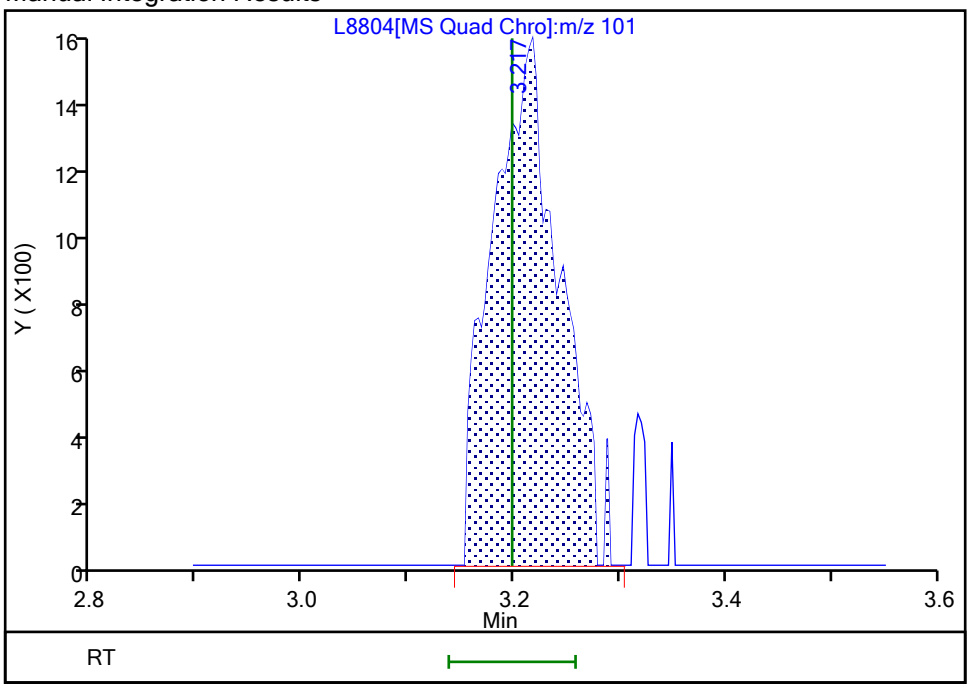
Not Detected
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.22
Area: 6779
Amount: 0.782261
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:51:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

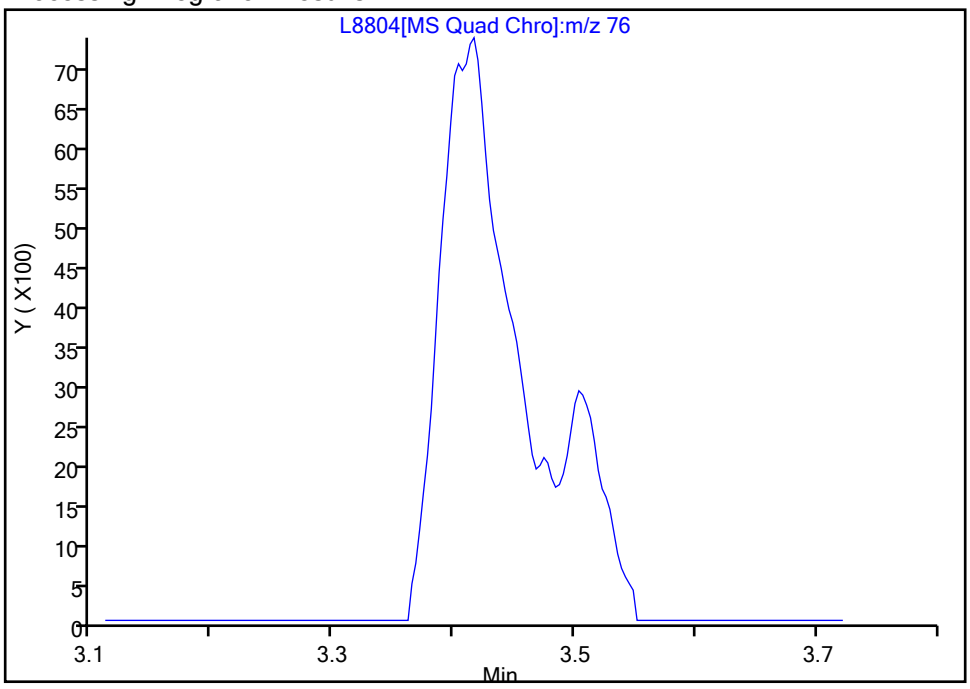
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

35 Carbon disulfide, CAS: 75-15-0

Signal: 1

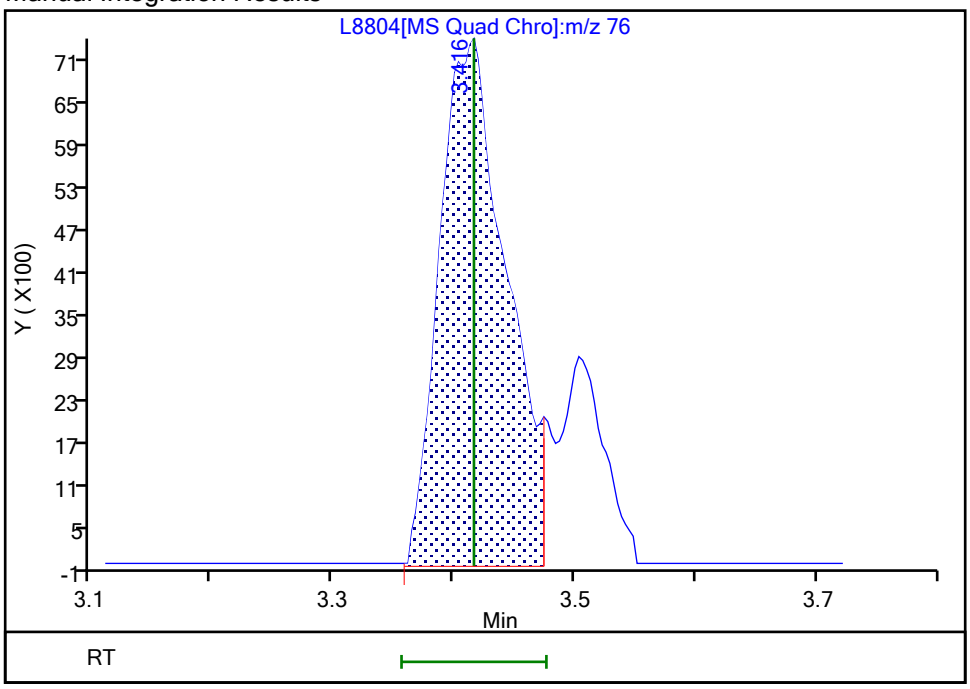
Not Detected
Expected RT: 3.42

Processing Integration Results



Manual Integration Results

RT: 3.42
Area: 28647
Amount: 0.960675
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:51:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

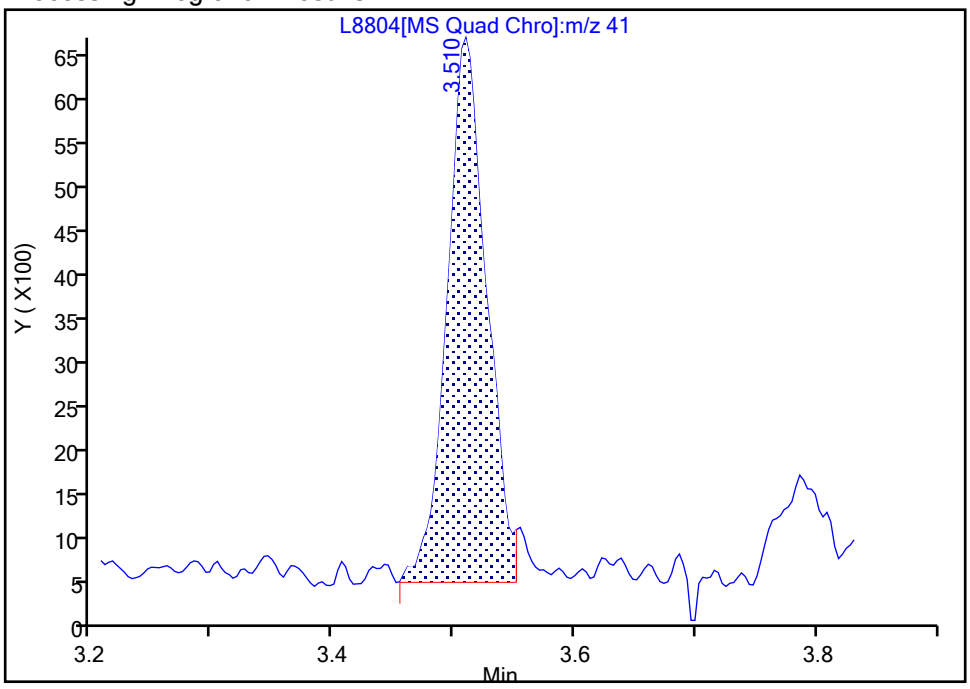
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

37 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

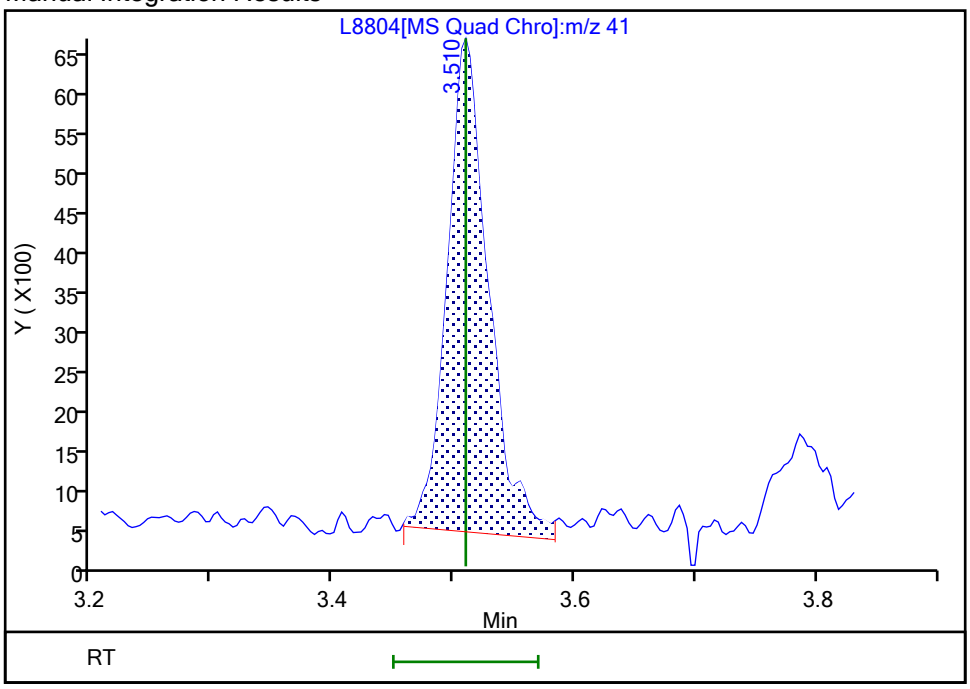
Processing Integration Results

RT: 3.51
Area: 14082
Amount: 0.853914
Amount Units: ug/L



Manual Integration Results

RT: 3.51
Area: 14941
Amount: 0.966211
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:51:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

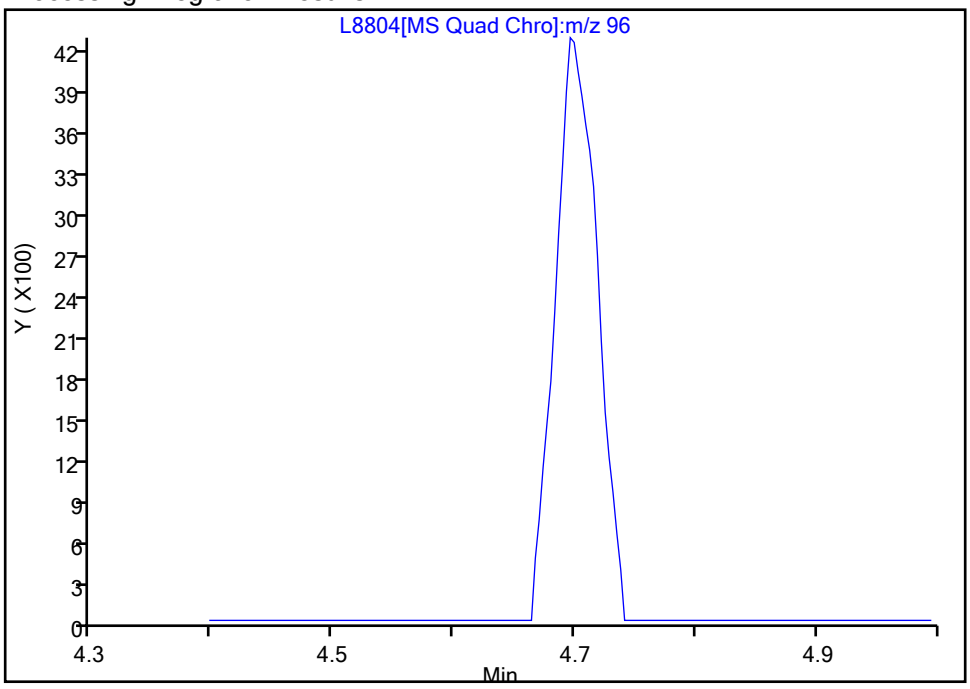
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

58 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

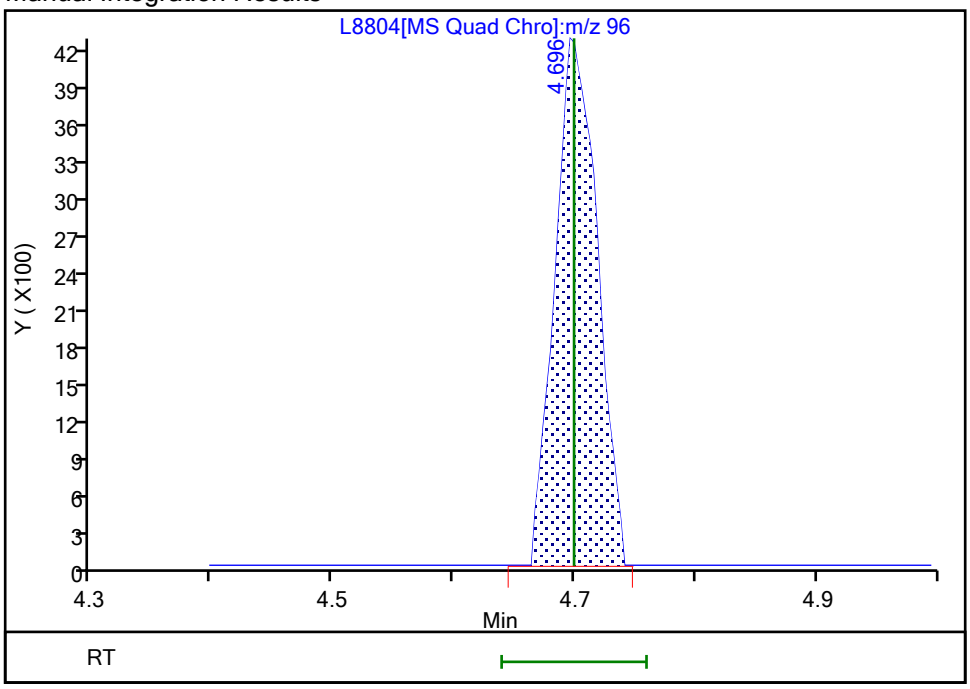
Not Detected
Expected RT: 4.70

Processing Integration Results



Manual Integration Results

RT: 4.70
Area: 10243
Amount: 0.946460
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:52:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

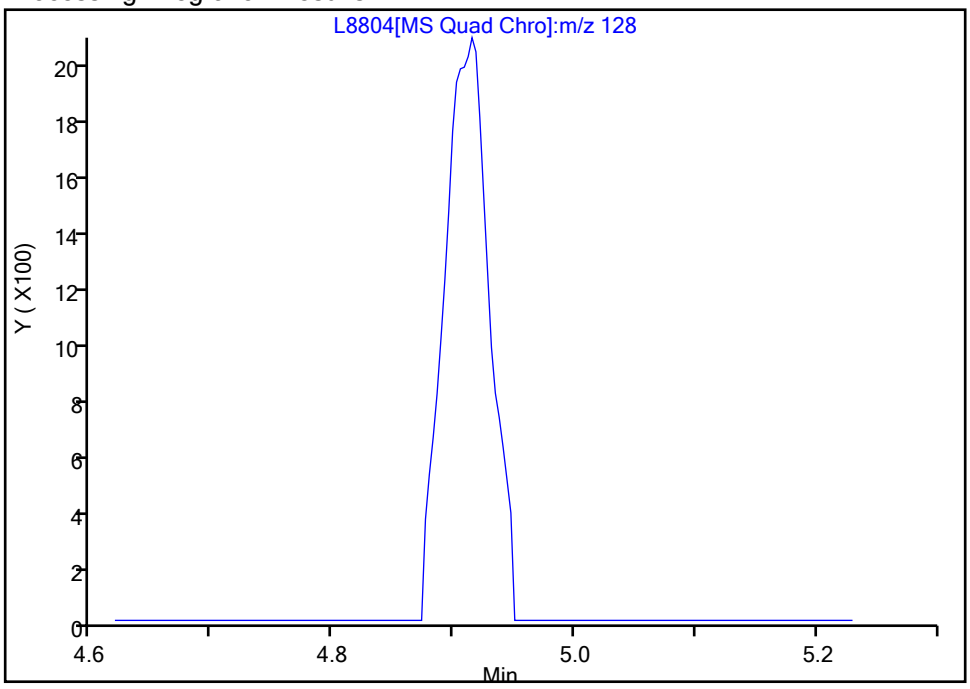
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

60 Chlorobromomethane, CAS: 74-97-5

Signal: 1

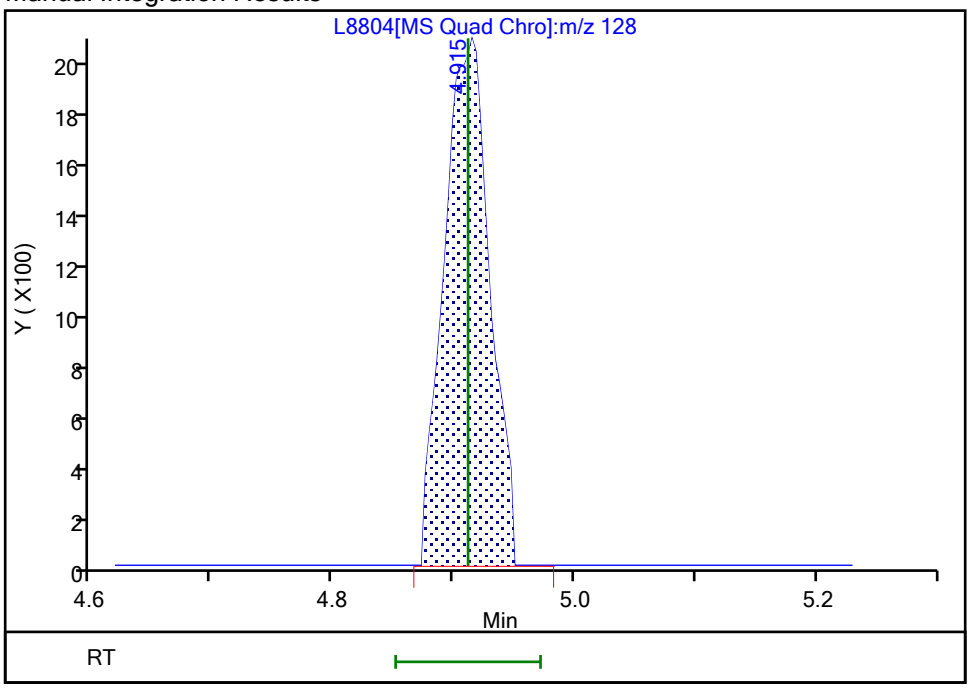
Not Detected
Expected RT: 4.91

Processing Integration Results



Manual Integration Results

RT: 4.91
Area: 5511
Amount: 1.025742
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:52:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

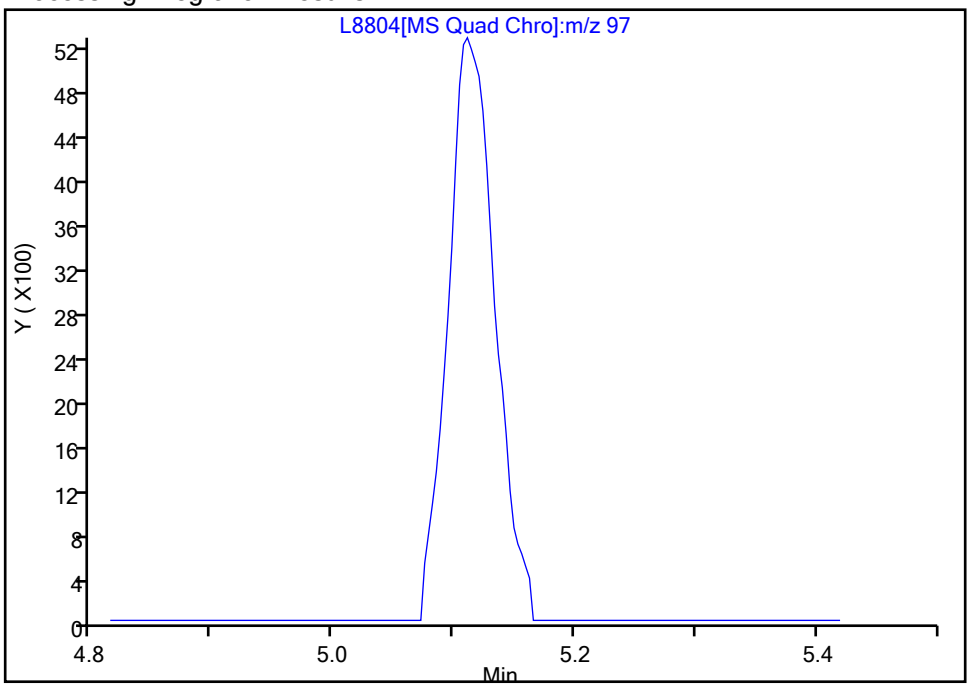
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

64 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

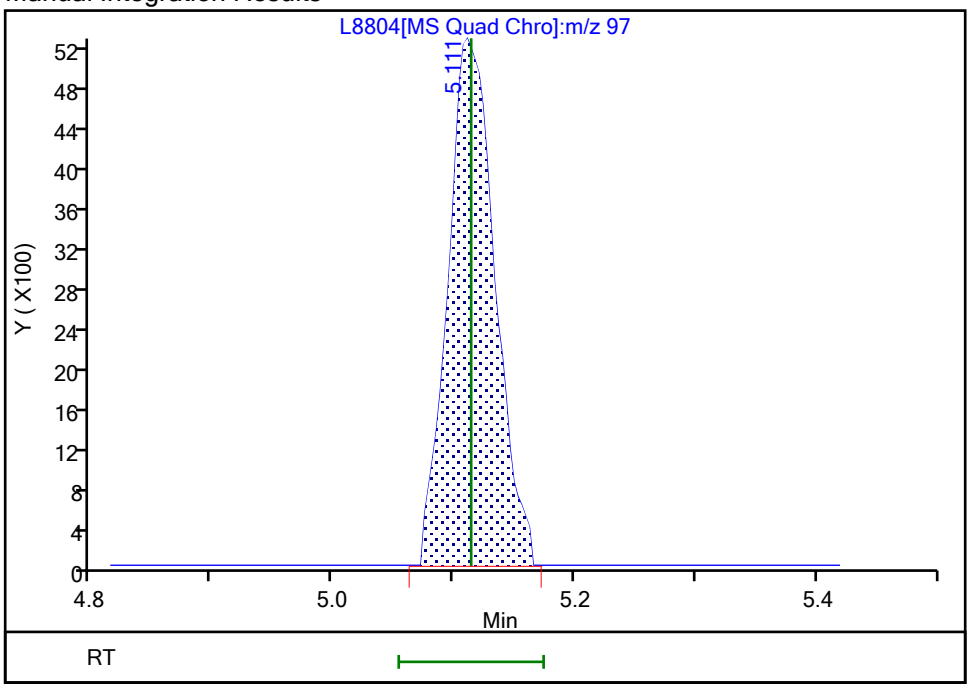
Not Detected
Expected RT: 5.11

Processing Integration Results



Manual Integration Results

RT: 5.11
Area: 14291
Amount: 0.995508
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:52:20 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

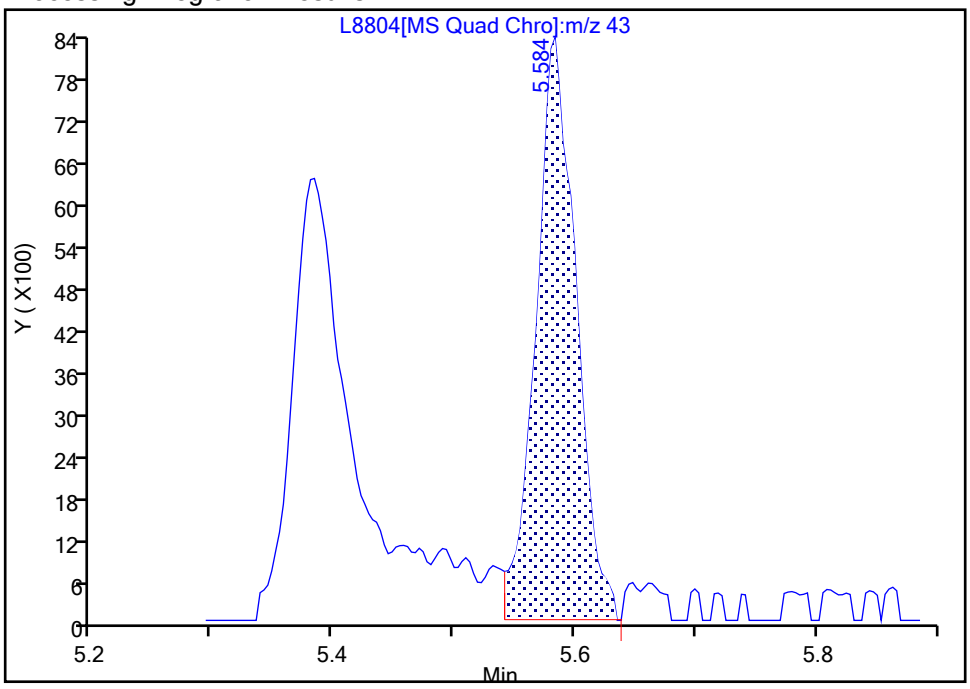
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

73 n-Heptane, CAS: 142-82-5

Signal: 1

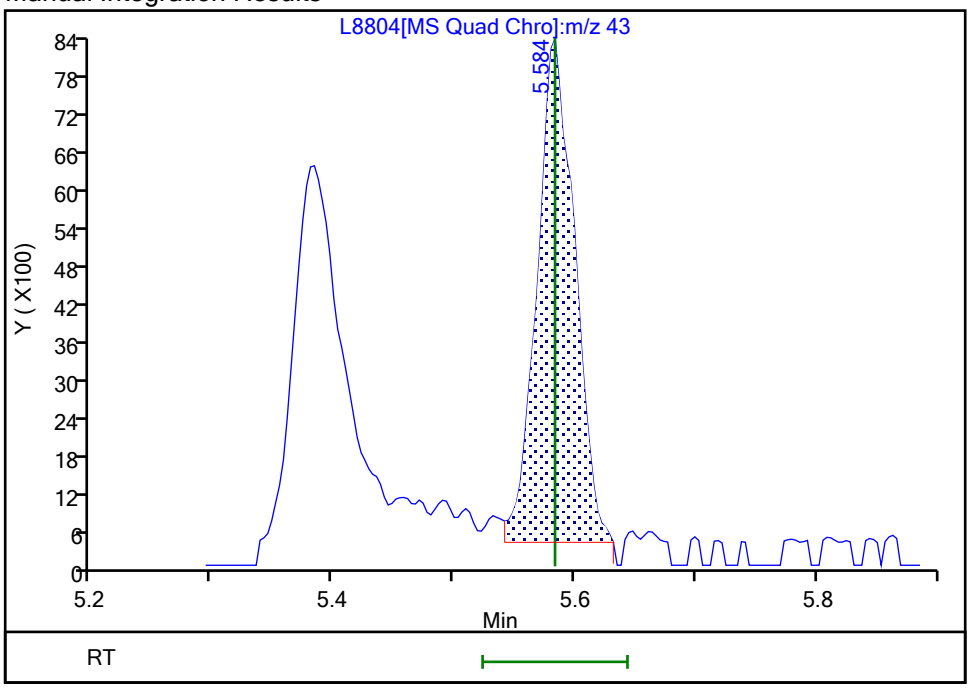
Processing Integration Results

RT: 5.58
Area: 19338
Amount: 1.151003
Amount Units: ug/L



Manual Integration Results

RT: 5.58
Area: 17229
Amount: 1.041822
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:52:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

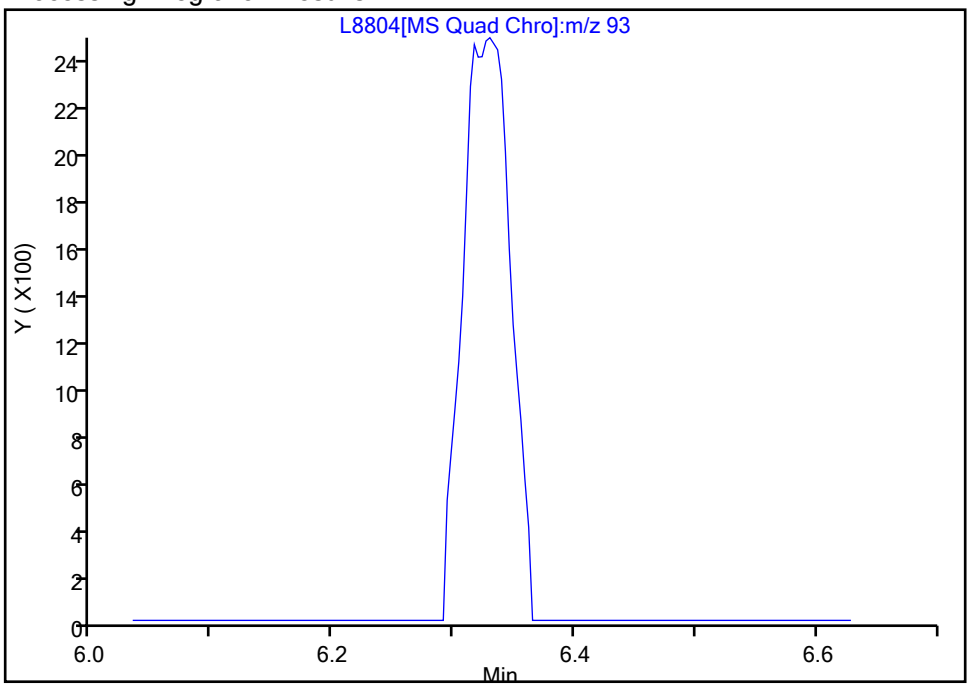
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

82 Dibromomethane, CAS: 74-95-3

Signal: 1

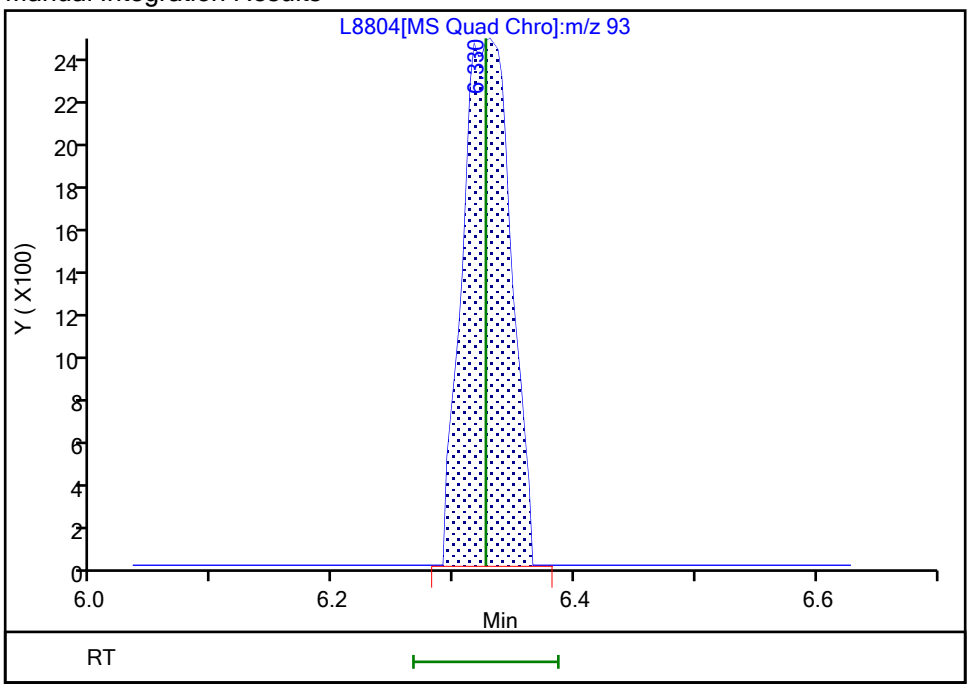
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 6839
Amount: 0.973798
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:52:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

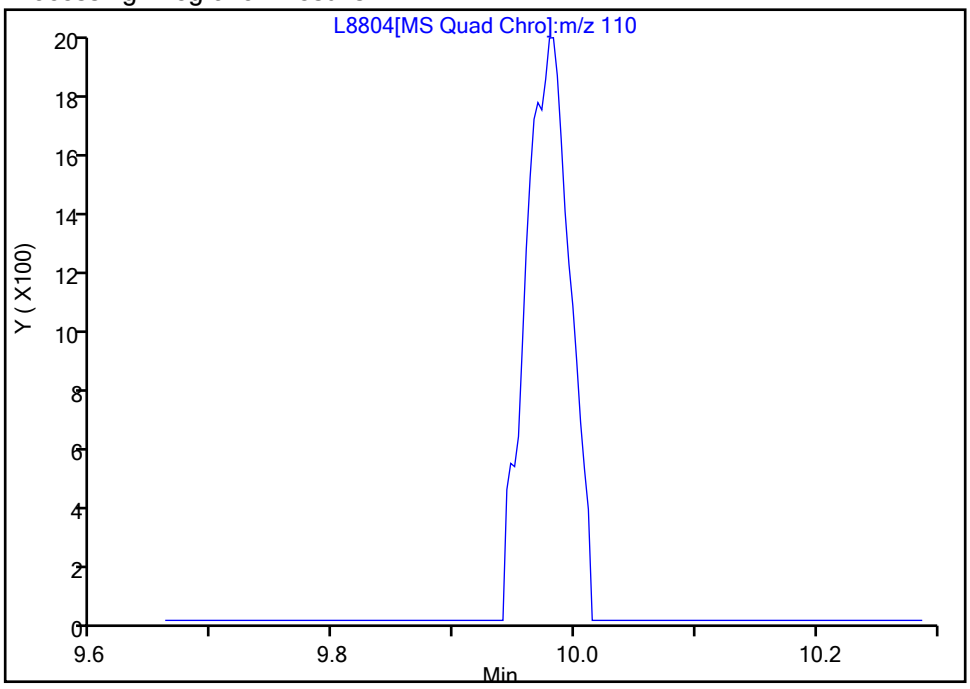
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8804.D
Injection Date: 24-Sep-2024 21:56:38 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

116 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

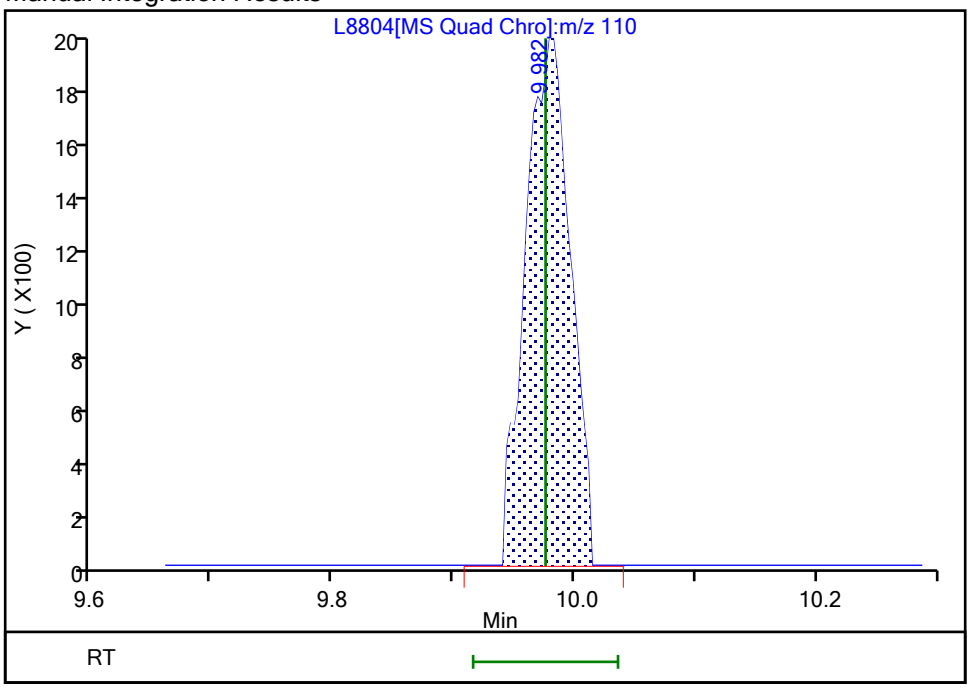
Not Detected
Expected RT: 9.98

Processing Integration Results



Manual Integration Results

RT: 9.98
Area: 5131
Amount: 0.982944
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:53:04 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Sep-2024 22:21:14 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0120201-007
Operator ID: cdc Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:01:51 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 10:55:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	98	179405	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	679965	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	97	365227	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	227922	25.0	24.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	99	295241	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	93	842642	25.0	24.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.767	0.000	95	233822	25.0	23.5	
10 Dichlorodifluoromethane	85	1.744	1.748	-0.004	97	22298	2.00	1.86	
13 Chloromethane	50	1.960	1.957	0.003	99	25342	2.00	1.94	
14 Vinyl chloride	62	2.072	2.066	0.006	95	21027	2.00	1.96	
15 Butadiene	54	2.104	2.095	0.009	55	18297	2.00	2.00	M
18 Bromomethane	94	2.420	2.413	0.007	80	16273	2.00	2.06	
19 Chloroethane	64	2.506	2.510	-0.004	94	15008	2.00	2.07	
20 Dichlorofluoromethane	67	2.706	2.699	0.007	95	37640	2.00	2.05	
21 Trichlorofluoromethane	101	2.712	2.725	-0.013	73	26976	2.00	1.88	
26 Ethyl ether	59	3.002	2.998	0.004	93	18848	2.00	1.94	
28 Acrolein	56	3.140	3.137	0.003	98	17510	10.0	10.5	
30 1,1-Dichloroethene	96	3.198	3.198	0.000	97	18589	2.00	1.91	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.194	3.198	-0.004	0	15909	2.00	1.82	M
31 Acetone	43	3.291	3.291	0.000	100	49659	10.0	10.0	
33 Iodomethane	142	3.365	3.358	0.007	99	26046	2.00	1.79	M
35 Carbon disulfide	76	3.416	3.416	0.000	99	57625	2.00	1.92	
37 3-Chloro-1-propene	41	3.510	3.510	0.000	89	29141	2.00	1.87	
38 Methyl acetate	43	3.558	3.555	0.003	97	46129	4.00	3.82	
39 Methylene Chloride	84	3.632	3.629	0.003	96	25075	2.00	2.04	M
40 2-Methyl-2-propanol	59	3.786	3.793	-0.007	98	39507	20.0	18.8	M
42 trans-1,2-Dichloroethene	96	3.850	3.850	0.000	96	19444	2.00	1.87	
44 Acrylonitrile	53	3.860	3.857	0.003	100	117317	20.0	19.6	
41 Methyl tert-butyl ether	73	3.870	3.866	0.004	95	62804	2.00	1.91	
47 Hexane	57	4.034	4.034	0.000	93	33067	2.00	1.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.211	4.207	0.004	96	34528	2.00	1.91	
49 Vinyl acetate	43	4.243	4.239	0.004	98	89221	4.00	3.64	
56 2,2-Dichloropropane	77	4.686	4.683	0.003	89	19026	2.00	1.97	
58 cis-1,2-Dichloroethene	96	4.702	4.699	0.003	82	21141	2.00	1.94	
57 2-Butanone (MEK)	43	4.735	4.731	0.004	100	80530	10.0	9.77	
60 Chlorobromomethane	128	4.908	4.911	-0.003	0	10531	2.00	1.95	M
62 Chloroform	83	4.963	4.960	0.003	92	37886	2.00	2.02	
61 Tetrahydrofuran	42	4.998	4.998	0.000	85	23740	4.00	4.17	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	97	27178	2.00	1.88	
65 Cyclohexane	56	5.156	5.153	0.003	90	31999	2.00	1.81	M
67 1,1-Dichloropropene	75	5.249	5.246	0.003	96	26820	2.00	1.92	
66 Carbon tetrachloride	117	5.259	5.259	0.000	96	23394	2.00	1.81	
69 Isobutyl alcohol	43	5.384	5.384	0.000	95	36359	50.0	46.8	
70 Benzene	78	5.436	5.436	0.000	95	78342	2.00	2.00	
72 1,2-Dichloroethane	62	5.461	5.461	0.000	96	30838	2.00	1.97	
73 n-Heptane	43	5.583	5.583	0.000	90	31242	2.00	1.87	
75 Trichloroethene	95	5.985	5.989	-0.004	97	19771	2.00	1.86	
76 Methylcyclohexane	83	6.140	6.140	0.000	92	33613	2.00	1.84	
77 1,2-Dichloropropane	63	6.198	6.194	0.004	87	19183	2.00	1.89	
82 Dibromomethane	93	6.329	6.326	0.003	97	13341	2.00	1.89	
81 1,4-Dioxane	88	6.362	6.358	0.004	65	3862	40.0	36.5	
83 Dichlorobromomethane	83	6.448	6.445	0.003	97	23953	2.00	1.82	
84 2-Chloroethyl vinyl ether	63	6.690	6.686	0.004	90	15418	2.00	1.90	
85 cis-1,3-Dichloropropene	75	6.847	6.847	0.000	93	30795	2.00	1.82	
87 4-Methyl-2-pentanone (MIBK)	43	6.985	6.985	0.000	96	161778	10.0	9.84	
88 Toluene	92	7.153	7.153	0.000	98	50050	2.00	1.95	
91 trans-1,3-Dichloropropene	75	7.368	7.368	0.000	92	28249	2.00	1.82	
90 Ethyl methacrylate	69	7.423	7.423	0.000	90	31463	2.00	1.91	
93 1,1,2-Trichloroethane	83	7.558	7.558	0.000	91	14704	2.00	1.82	
94 Tetrachloroethene	166	7.690	7.690	0.000	95	19314	2.00	1.90	
95 1,3-Dichloropropane	76	7.725	7.725	0.000	96	32193	2.00	1.90	
96 2-Hexanone	43	7.789	7.786	0.003	95	120349	10.0	9.79	
98 Chlorodibromomethane	129	7.960	7.963	-0.003	92	17935	2.00	1.76	
101 Ethylene Dibromide	107	8.088	8.088	0.000	99	19927	2.00	1.88	
103 Chlorobenzene	112	8.564	8.564	0.000	95	54914	2.00	1.94	
105 1,1,1,2-Tetrachloroethane	131	8.635	8.641	-0.006	44	18348	2.00	1.87	
104 Ethylbenzene	91	8.644	8.644	0.000	98	90246	2.00	1.87	
106 m-Xylene & p-Xylene	106	8.760	8.763	-0.003	98	34832	2.00	1.86	
107 o-Xylene	106	9.188	9.188	0.000	97	33867	2.00	1.86	
109 Styrene	104	9.210	9.207	0.003	94	57300	2.00	1.89	
110 Bromoform	173	9.448	9.448	0.000	91	12048	2.00	1.78	
111 Isopropylbenzene	105	9.564	9.564	0.000	96	84846	2.00	1.89	
112 1,1,2,2-Tetrachloroethane	83	9.918	9.924	-0.006	95	29521	2.00	1.89	
113 Bromobenzene	156	9.943	9.943	0.000	93	21407	2.00	1.86	
116 1,2,3-Trichloropropane	110	9.982	9.976	0.006	82	10876	2.00	2.01	
115 trans-1,4-Dichloro-2-butene	53	9.982	9.979	0.003	68	9091	2.00	1.72	
114 N-Propylbenzene	91	10.008	10.008	0.000	99	111267	2.00	1.92	
117 2-Chlorotoluene	126	10.130	10.130	0.000	96	21754	2.00	1.94	
118 1,3,5-Trimethylbenzene	105	10.188	10.188	0.000	93	78031	2.00	1.92	
119 4-Chlorotoluene	91	10.239	10.239	0.000	97	77832	2.00	2.05	
120 tert-Butylbenzene	134	10.516	10.519	-0.003	92	16819	2.00	1.90	
121 1,2,4-Trimethylbenzene	105	10.574	10.570	0.004	95	80777	2.00	1.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.734	10.734	0.000	95	102873	2.00	1.92	
123 4-Isopropyltoluene	119	10.866	10.866	0.000	97	87261	2.00	1.92	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	96	43988	2.00	1.95	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	91	43659	2.00	1.88	
127 n-Butylbenzene	91	11.246	11.246	0.000	98	81645	2.00	1.93	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	95	42985	2.00	1.94	
129 1,2-Dibromo-3-Chloropropane	75	11.988	11.992	-0.004	81	8364	2.00	2.06	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	95	28093	2.00	1.85	
131 Hexachlorobutadiene	225	12.750	12.754	-0.004	89	9653	2.00	1.84	
132 Naphthalene	128	12.850	12.850	0.000	98	98335	2.00	1.86	
133 1,2,3-Trichlorobenzene	180	13.050	13.046	0.004	94	27494	2.00	1.90	
S 144 1,3-Dichloropropene, Total	1				0			3.64	
S 143 Xylenes, Total	1				0			3.72	
S 142 Total BTEX	1				0			9.54	
S 141 1,2-Dichloroethene, Total	1				0			3.81	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00259	Amount Added:	2.00	Units: uL	
GAS CORP mix_00642	Amount Added:	2.00	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:01:52 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D

Injection Date: 24-Sep-2024 22:21:14 Instrument ID: HP5977L

Lims ID: IC 2

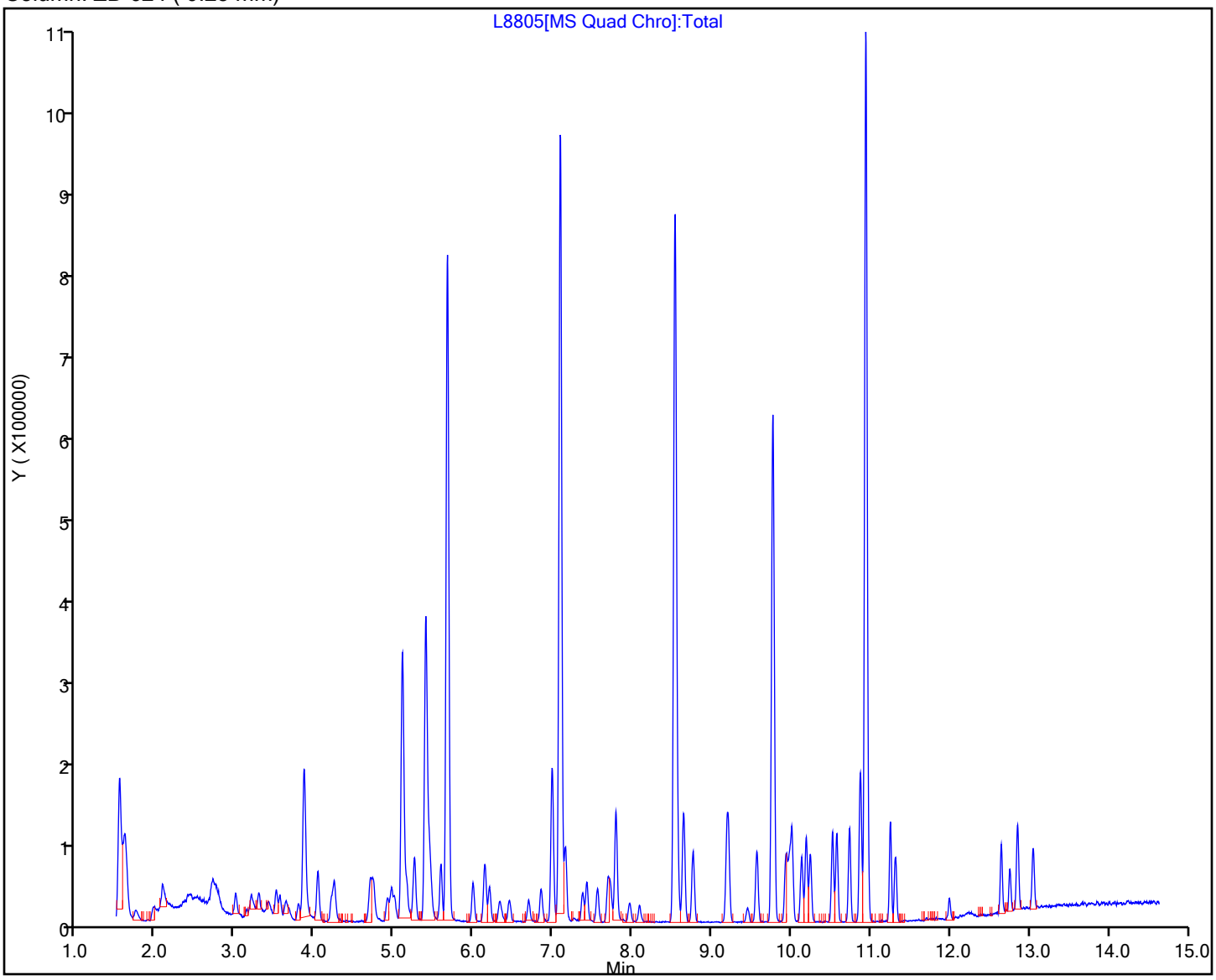
Client ID:

Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

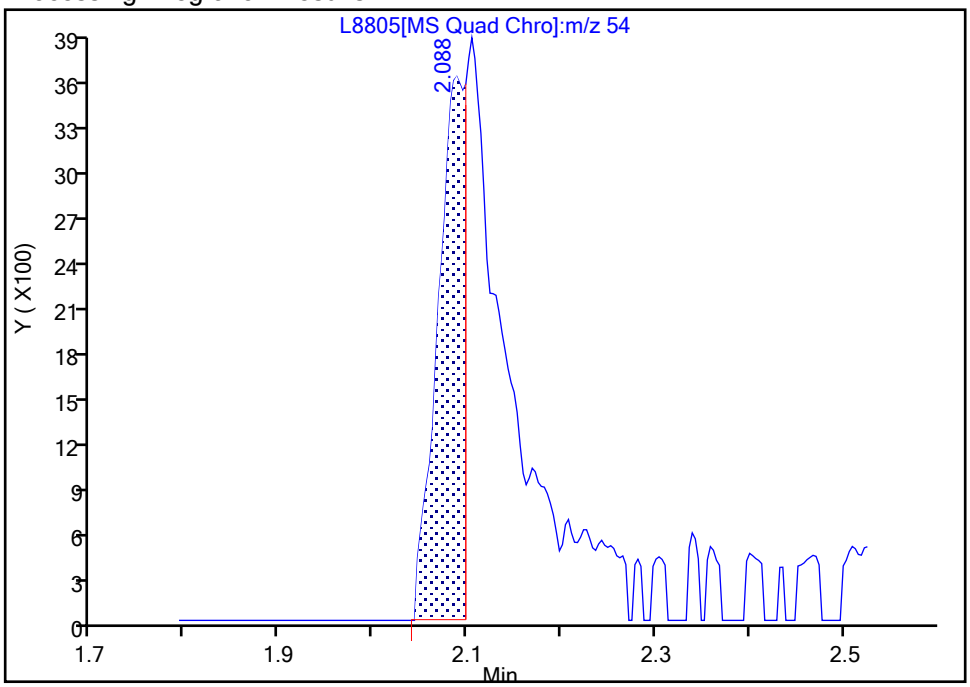
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D
Injection Date: 24-Sep-2024 22:21:14 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

15 Butadiene, CAS: 106-99-0

Signal: 1

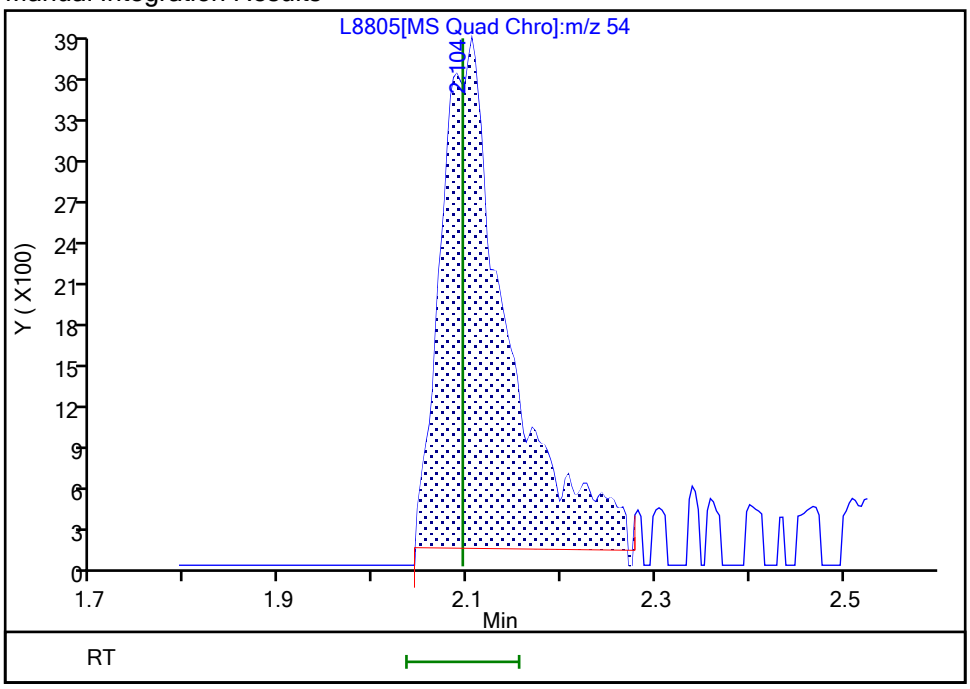
Processing Integration Results

RT: 2.09
Area: 7402
Amount: 0.817388
Amount Units: ug/L



Manual Integration Results

RT: 2.10
Area: 18297
Amount: 1.997531
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:53:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

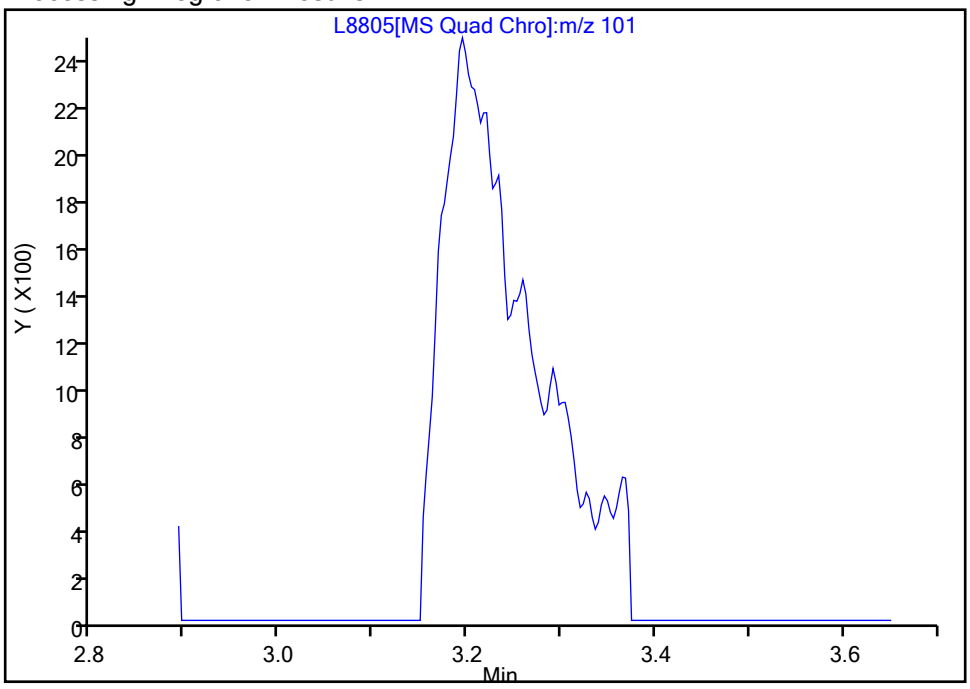
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D
Injection Date: 24-Sep-2024 22:21:14 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

29 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

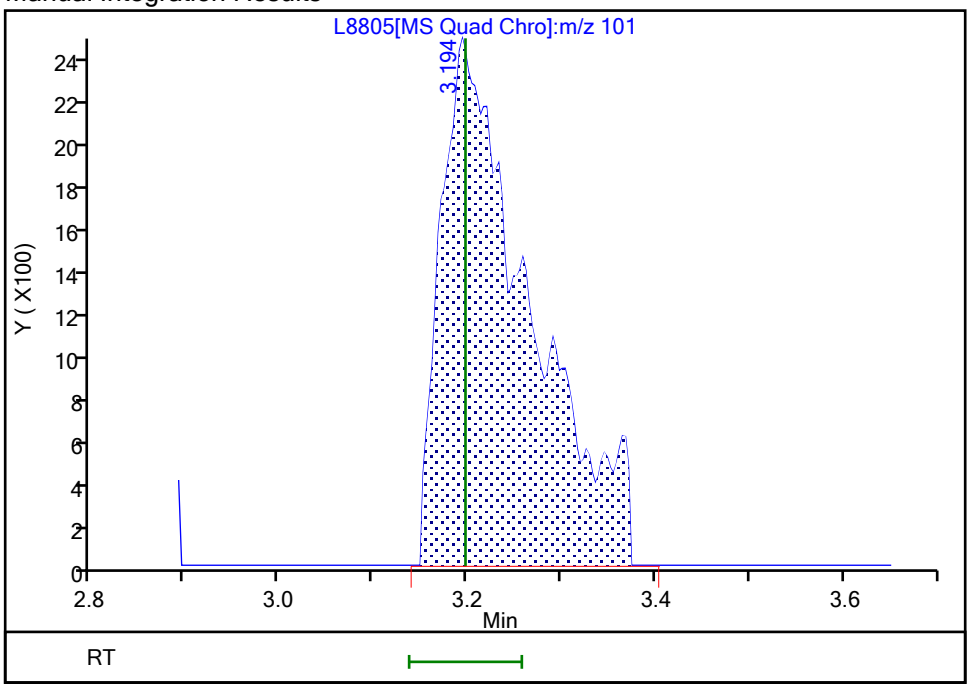
Not Detected
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.19
Area: 15909
Amount: 1.821979
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:54:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

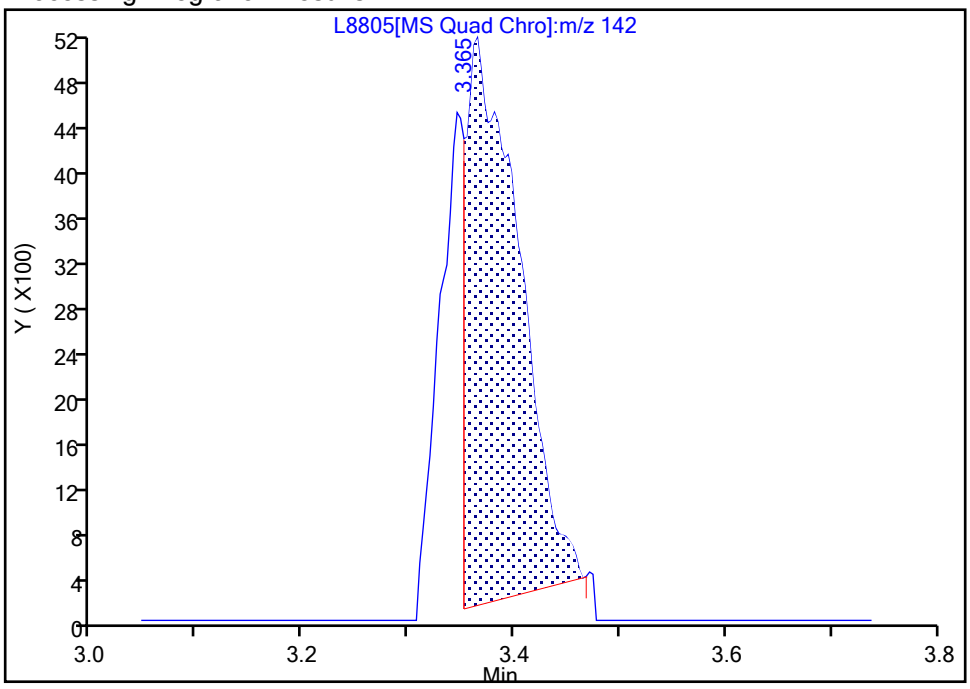
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D
Injection Date: 24-Sep-2024 22:21:14 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

33 Iodomethane, CAS: 74-88-4

Signal: 1

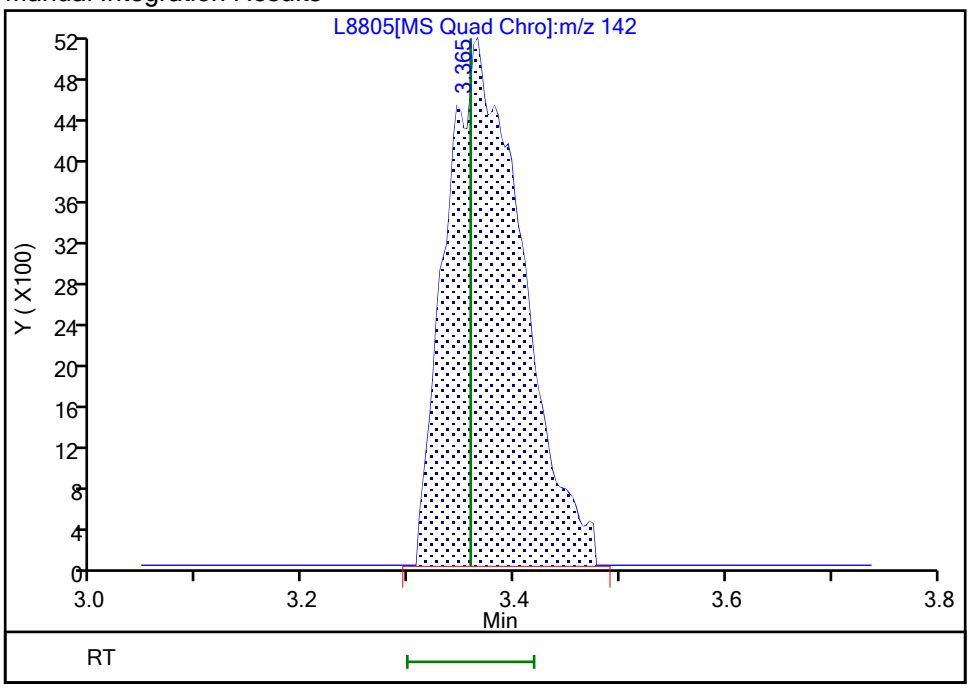
Processing Integration Results

RT: 3.36
Area: 17516
Amount: 1.250932
Amount Units: ug/L



Manual Integration Results

RT: 3.36
Area: 26046
Amount: 1.791891
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:54:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

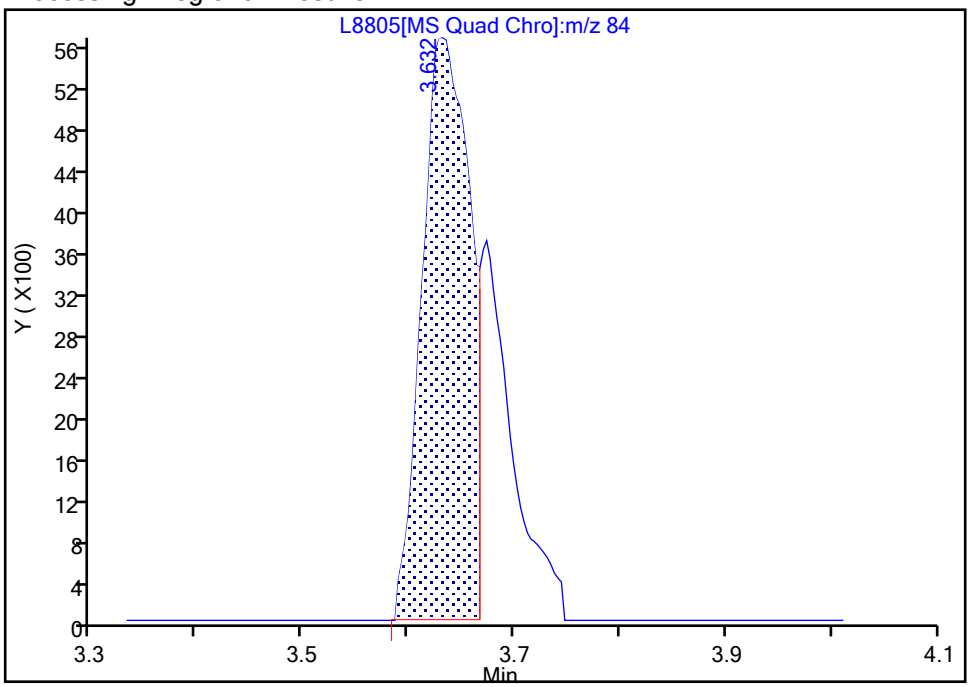
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D
Injection Date: 24-Sep-2024 22:21:14 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

39 Methylene Chloride, CAS: 75-09-2

Signal: 1

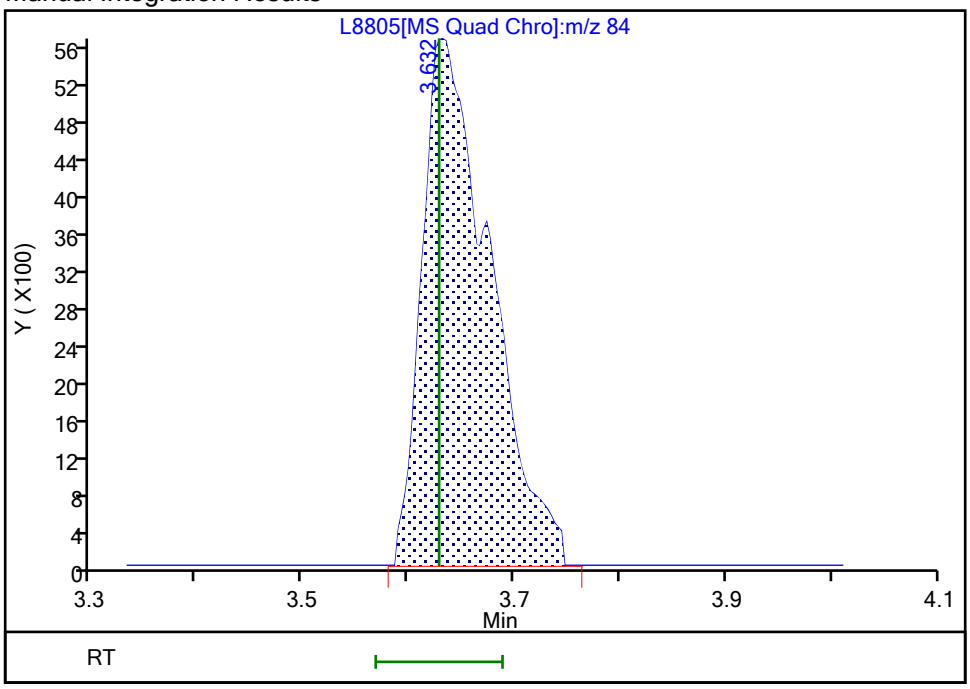
Processing Integration Results

RT: 3.63
Area: 17838
Amount: 1.420038
Amount Units: ug/L



Manual Integration Results

RT: 3.63
Area: 25075
Amount: 2.035463
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:54:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

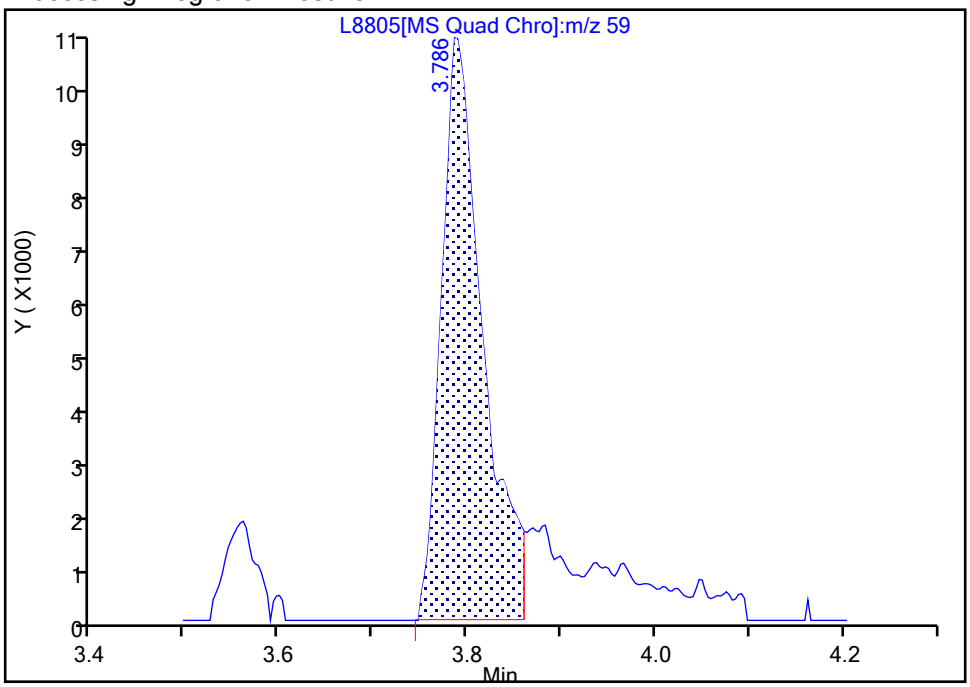
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D
Injection Date: 24-Sep-2024 22:21:14 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

40 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

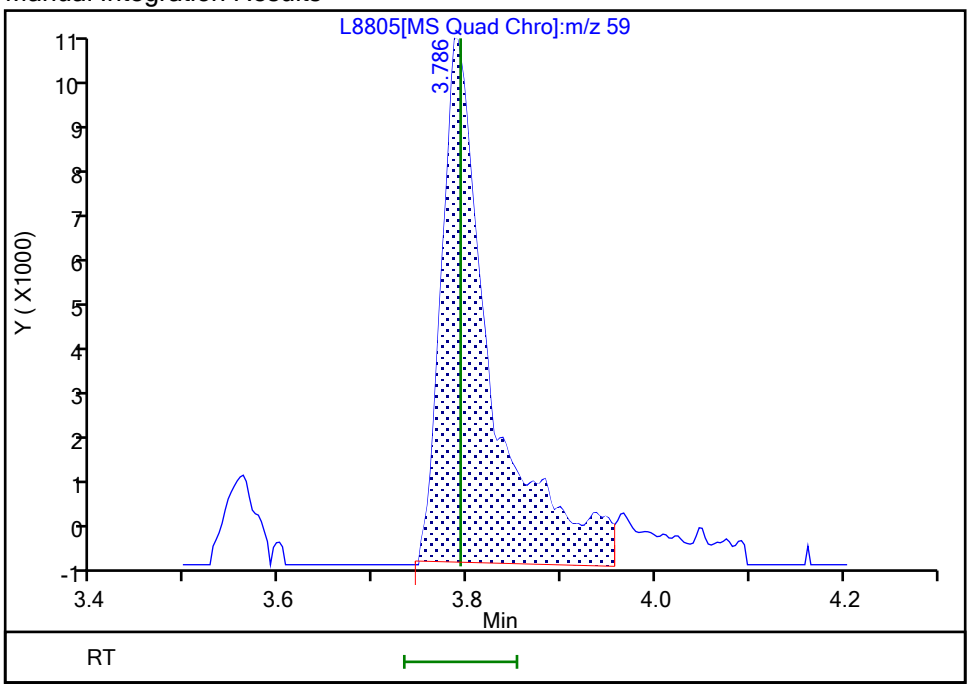
Processing Integration Results

RT: 3.79
Area: 33289
Amount: 16.678268
Amount Units: ug/L



Manual Integration Results

RT: 3.79
Area: 39507
Amount: 18.795654
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:54:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

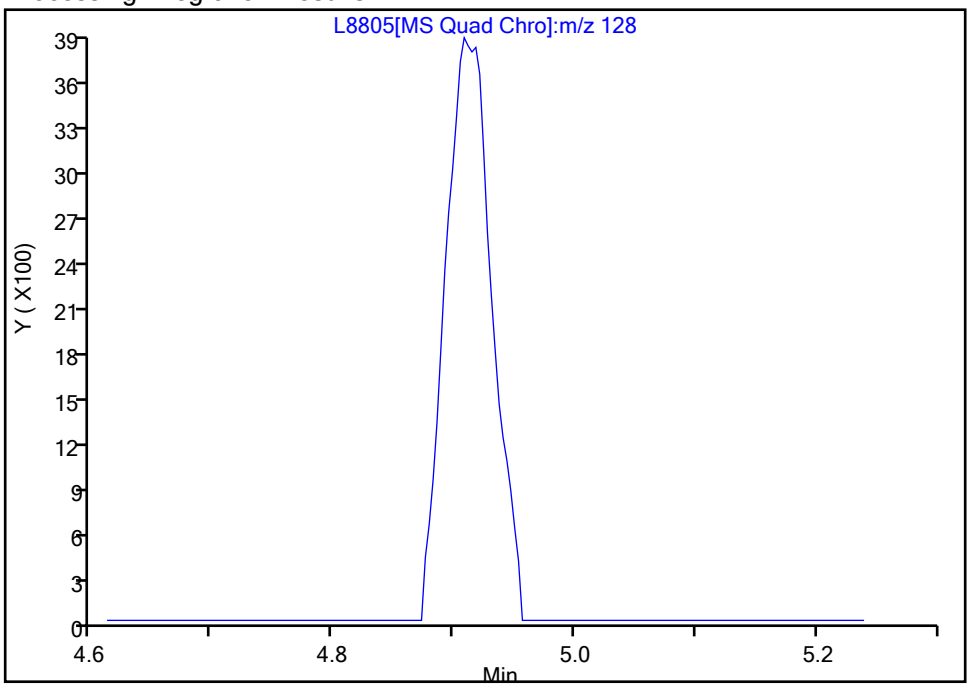
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D
Injection Date: 24-Sep-2024 22:21:14 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

60 Chlorobromomethane, CAS: 74-97-5

Signal: 1

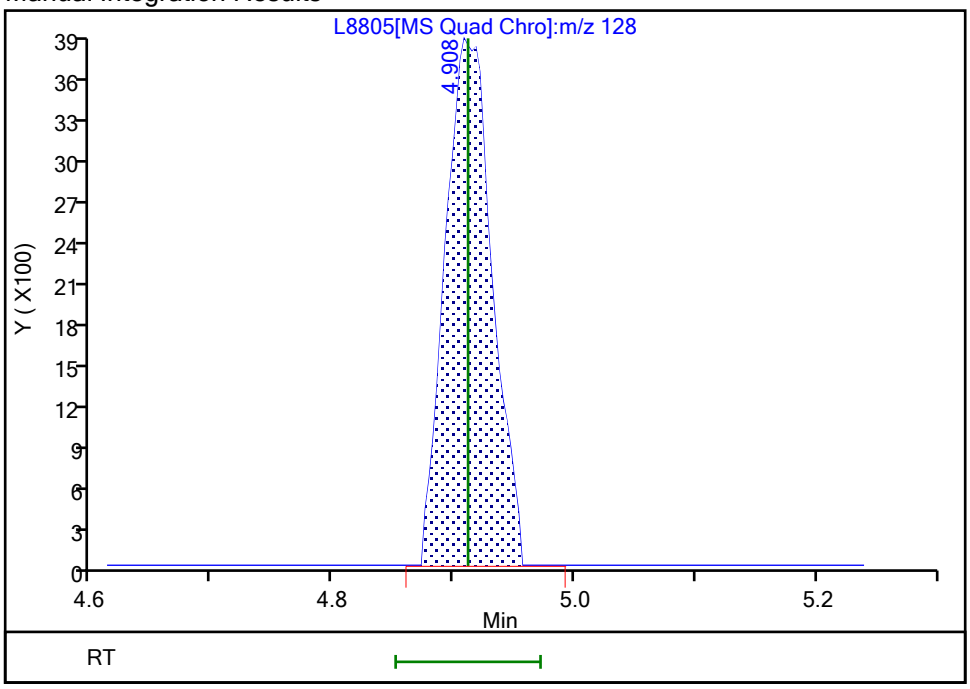
Not Detected
Expected RT: 4.91

Processing Integration Results



Manual Integration Results

RT: 4.91
Area: 10531
Amount: 1.945324
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:54:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

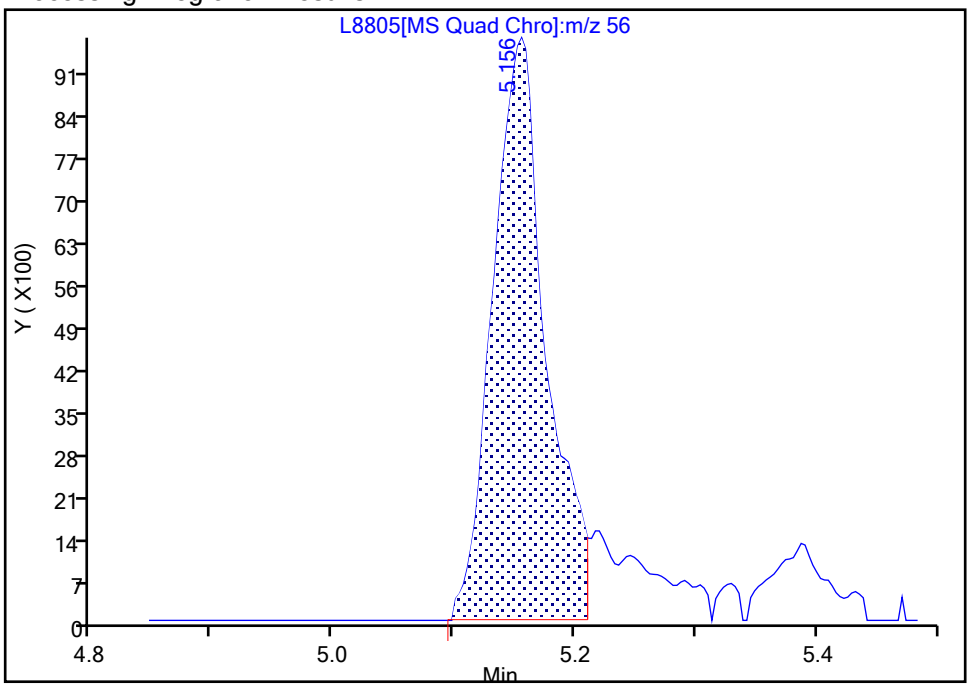
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8805.D
Injection Date: 24-Sep-2024 22:21:14 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

65 Cyclohexane, CAS: 110-82-7

Signal: 1

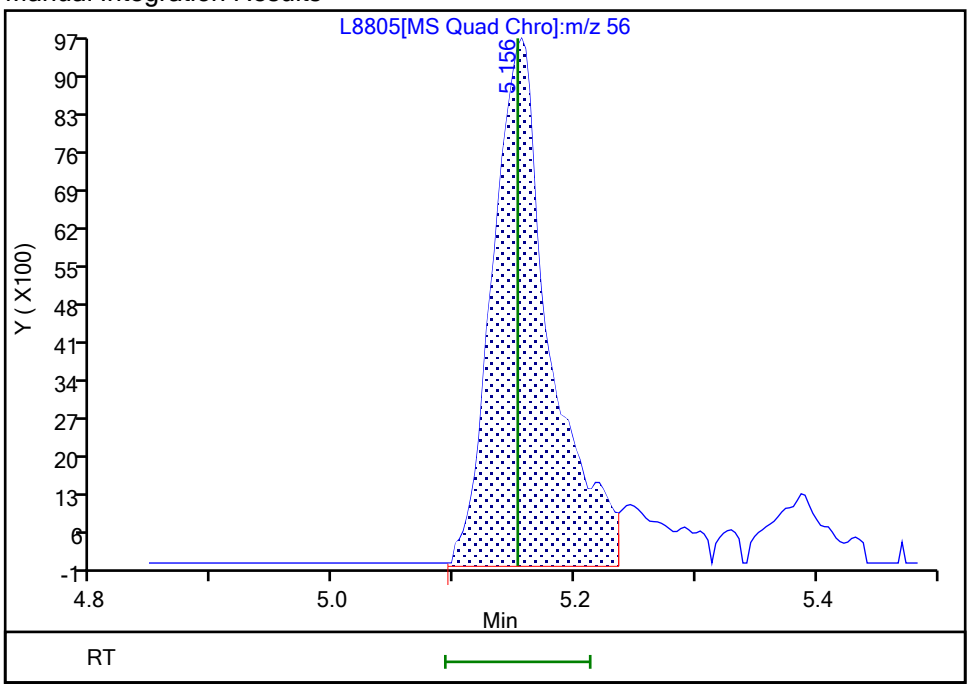
Processing Integration Results

RT: 5.16
Area: 29752
Amount: 1.719182
Amount Units: ug/L



Manual Integration Results

RT: 5.16
Area: 31999
Amount: 1.812785
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 10:55:11 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8806.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Sep-2024 22:45:51 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0120201-008
Operator ID: cdc Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:02:08 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 11:17:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	174742	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.535	8.532	0.003	89	670722	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	97	370370	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	230382	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	98	300393	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	93	850491	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.766	9.767	-0.001	95	241052	25.0	24.6	
10 Dichlorodifluoromethane	85	1.741	1.748	-0.007	99	58739	5.00	5.04	
13 Chloromethane	50	1.953	1.957	-0.004	99	61263	5.00	4.82	
14 Vinyl chloride	62	2.062	2.066	-0.004	98	51361	5.00	4.92	
15 Butadiene	54	2.095	2.095	0.000	94	46269	5.00	5.19	
18 Bromomethane	94	2.407	2.413	-0.006	90	38386	5.00	4.98	a
19 Chloroethane	64	2.506	2.510	-0.004	99	35656	5.00	5.05	
20 Dichlorofluoromethane	67	2.702	2.699	0.003	96	84030	5.00	4.69	
21 Trichlorofluoromethane	101	2.728	2.725	0.003	95	67449	5.00	4.84	
26 Ethyl ether	59	3.001	2.998	0.003	92	46943	5.00	4.95	
28 Acrolein	56	3.136	3.137	-0.001	98	42433	25.0	26.1	
30 1,1-Dichloroethene	96	3.197	3.198	-0.001	96	48704	5.00	5.15	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.207	3.198	0.009	71	46756	5.00	5.50	M
31 Acetone	43	3.288	3.291	-0.003	100	122768	25.0	25.4	
33 Iodomethane	142	3.349	3.358	-0.009	100	74885	5.00	5.29	
35 Carbon disulfide	76	3.406	3.416	-0.010	100	149255	5.00	5.10	
37 3-Chloro-1-propene	41	3.506	3.510	-0.004	89	77132	5.00	5.08	
38 Methyl acetate	43	3.554	3.555	-0.001	98	123556	10.0	10.5	
39 Methylene Chloride	84	3.628	3.629	-0.001	93	54807	5.00	5.03	
40 2-Methyl-2-propanol	59	3.789	3.793	-0.004	99	98319	50.0	48.0	M
42 trans-1,2-Dichloroethene	96	3.850	3.850	0.000	99	50860	5.00	5.03	
44 Acrylonitrile	53	3.860	3.857	0.003	98	300590	50.0	51.5	
41 Methyl tert-butyl ether	73	3.866	3.866	0.000	97	164711	5.00	5.14	
47 Hexane	57	4.037	4.034	0.003	92	87365	5.00	5.25	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.207	4.207	0.000	96	90127	5.00	5.12	
49 Vinyl acetate	43	4.242	4.239	0.003	97	240132	10.0	10.1	
56 2,2-Dichloropropane	77	4.680	4.683	-0.003	88	50509	5.00	5.37	
58 cis-1,2-Dichloroethene	96	4.699	4.699	0.000	83	54298	5.00	5.11	
57 2-Butanone (MEK)	43	4.731	4.731	0.000	100	201494	25.0	25.1	
60 Chlorobromomethane	128	4.911	4.911	0.000	94	27273	5.00	5.17	
62 Chloroform	83	4.960	4.960	0.000	92	93664	5.00	5.13	
61 Tetrahydrofuran	42	4.998	4.998	0.000	86	57709	10.0	10.4	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	98	73912	5.00	5.25	
65 Cyclohexane	56	5.152	5.153	-0.001	93	87820	5.00	5.11	
67 1,1-Dichloropropene	75	5.249	5.246	0.003	95	72348	5.00	5.31	
66 Carbon tetrachloride	117	5.255	5.259	-0.004	95	65524	5.00	5.20	
69 Isobutyl alcohol	43	5.387	5.384	0.003	88	93608	125.0	123.8	
70 Benzene	78	5.435	5.436	-0.001	93	193165	5.00	5.07	
72 1,2-Dichloroethane	62	5.461	5.461	0.000	97	77104	5.00	5.05	
73 n-Heptane	43	5.587	5.583	0.003	92	84459	5.00	5.20	
75 Trichloroethene	95	5.988	5.989	-0.001	97	52063	5.00	5.04	
76 Methylcyclohexane	83	6.136	6.140	-0.004	90	94203	5.00	5.29	
77 1,2-Dichloropropane	63	6.197	6.194	0.003	95	49708	5.00	5.02	
82 Dibromomethane	93	6.326	6.326	0.000	96	34022	5.00	4.94	
81 1,4-Dioxane	88	6.368	6.358	0.010	86	9899	100.0	94.9	M
83 Dichlorobromomethane	83	6.448	6.445	0.003	97	66238	5.00	5.16	
84 2-Chloroethyl vinyl ether	63	6.689	6.686	0.003	94	39206	5.00	4.96	
85 cis-1,3-Dichloropropene	75	6.847	6.847	0.000	93	83831	5.00	5.07	
87 4-Methyl-2-pentanone (MIBK)	43	6.985	6.985	0.000	96	417384	25.0	25.7	
88 Toluene	92	7.156	7.153	0.003	99	125780	5.00	4.97	
91 trans-1,3-Dichloropropene	75	7.371	7.368	0.003	93	76725	5.00	5.01	
90 Ethyl methacrylate	69	7.422	7.423	-0.001	91	81435	5.00	5.01	
93 1,1,2-Trichloroethane	83	7.554	7.558	-0.004	93	39564	5.00	4.97	
94 Tetrachloroethene	166	7.689	7.690	-0.001	94	51805	5.00	5.17	
95 1,3-Dichloropropane	76	7.725	7.725	0.000	91	84291	5.00	5.04	
96 2-Hexanone	43	7.789	7.786	0.003	95	312789	25.0	25.8	
98 Chlorodibromomethane	129	7.959	7.963	-0.004	90	50360	5.00	5.01	
101 Ethylene Dibromide	107	8.088	8.088	0.000	97	53601	5.00	5.13	
103 Chlorobenzene	112	8.564	8.564	0.000	94	137851	5.00	4.94	
105 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	90	50445	5.00	5.20	
104 Ethylbenzene	91	8.644	8.644	0.000	98	239743	5.00	5.04	
106 m-Xylene & p-Xylene	106	8.760	8.763	-0.003	99	93088	5.00	5.04	
107 o-Xylene	106	9.188	9.188	0.000	97	87862	5.00	4.89	
109 Styrene	104	9.207	9.207	0.000	94	151763	5.00	5.08	
110 Bromoform	173	9.451	9.448	0.003	94	34181	5.00	5.12	
111 Isopropylbenzene	105	9.564	9.564	0.000	96	222843	5.00	4.91	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.924	0.000	95	78625	5.00	4.96	
113 Bromobenzene	156	9.940	9.943	-0.003	96	56173	5.00	4.81	
116 1,2,3-Trichloropropane	110	9.979	9.976	0.003	80	28057	5.00	5.12	
115 trans-1,4-Dichloro-2-butene	53	9.979	9.979	0.000	69	26653	5.00	4.96	
114 N-Propylbenzene	91	10.008	10.008	0.000	98	291398	5.00	4.97	
117 2-Chlorotoluene	126	10.130	10.130	0.000	96	56888	5.00	4.99	
118 1,3,5-Trimethylbenzene	105	10.188	10.188	0.000	94	203050	5.00	4.93	
119 4-Chlorotoluene	91	10.239	10.239	0.000	97	188309	5.00	4.88	
120 tert-Butylbenzene	134	10.519	10.519	0.000	93	44455	5.00	4.95	
121 1,2,4-Trimethylbenzene	105	10.574	10.570	0.004	95	209435	5.00	4.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.731	10.734	-0.003	94	267313	5.00	4.92	
123 4-Isopropyltoluene	119	10.866	10.866	0.000	97	229780	5.00	4.99	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	96	112936	5.00	4.95	
126 1,4-Dichlorobenzene	146	10.959	10.960	-0.001	95	115179	5.00	4.89	
127 n-Butylbenzene	91	11.246	11.246	0.000	98	210221	5.00	4.90	
128 1,2-Dichlorobenzene	146	11.313	11.310	0.003	95	110297	5.00	4.92	
129 1,2-Dibromo-3-Chloropropane	75	11.995	11.992	0.003	82	19337	5.00	4.70	
130 1,2,4-Trichlorobenzene	180	12.647	12.644	0.003	93	75572	5.00	4.92	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	93	26103	5.00	4.90	
132 Naphthalene	128	12.850	12.850	0.000	97	258805	5.00	4.83	
133 1,2,3-Trichlorobenzene	180	13.043	13.046	-0.003	94	70446	5.00	4.80	
S 144 1,3-Dichloropropene, Total	1				0			10.1	
S 143 Xylenes, Total	1				0			9.93	
S 142 Total BTEX	1				0			25.0	
S 141 1,2-Dichloroethene, Total	1				0			10.1	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00259	Amount Added:	5.00	Units: uL	
GAS CORP mix_00642	Amount Added:	5.00	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:02:09 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8806.D

Injection Date: 24-Sep-2024 22:45:51 Instrument ID: HP5977L

Lims ID: IC 3

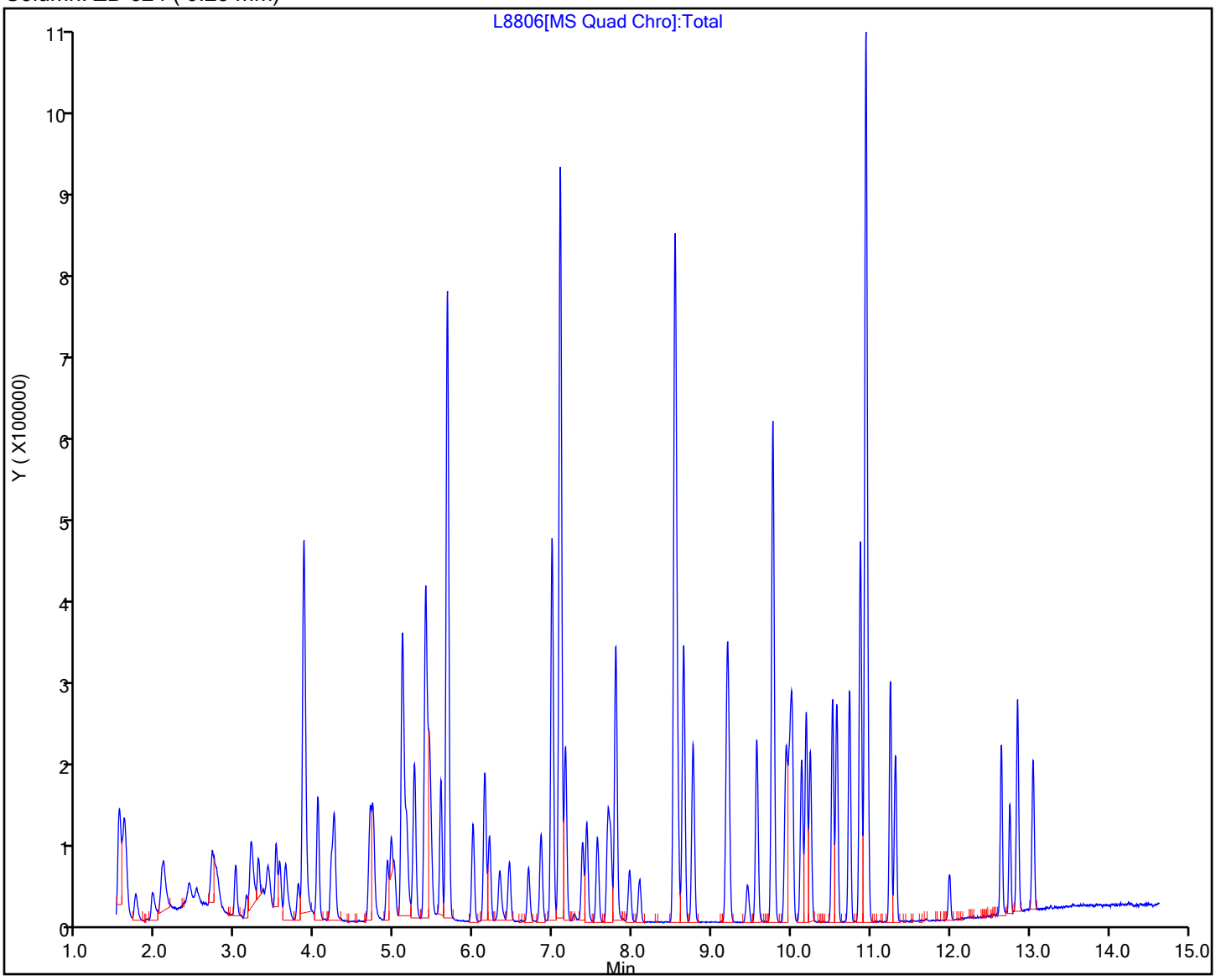
Client ID:

Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins Buffalo

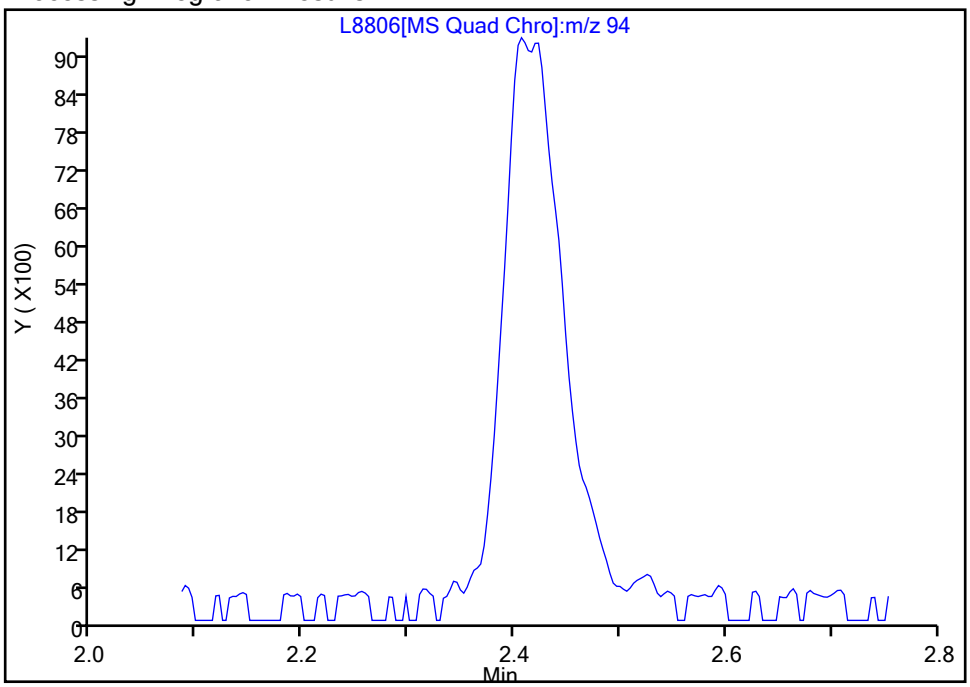
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8806.D
Injection Date: 24-Sep-2024 22:45:51 Instrument ID: HP5977L
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

18 Bromomethane, CAS: 74-83-9

Signal: 1

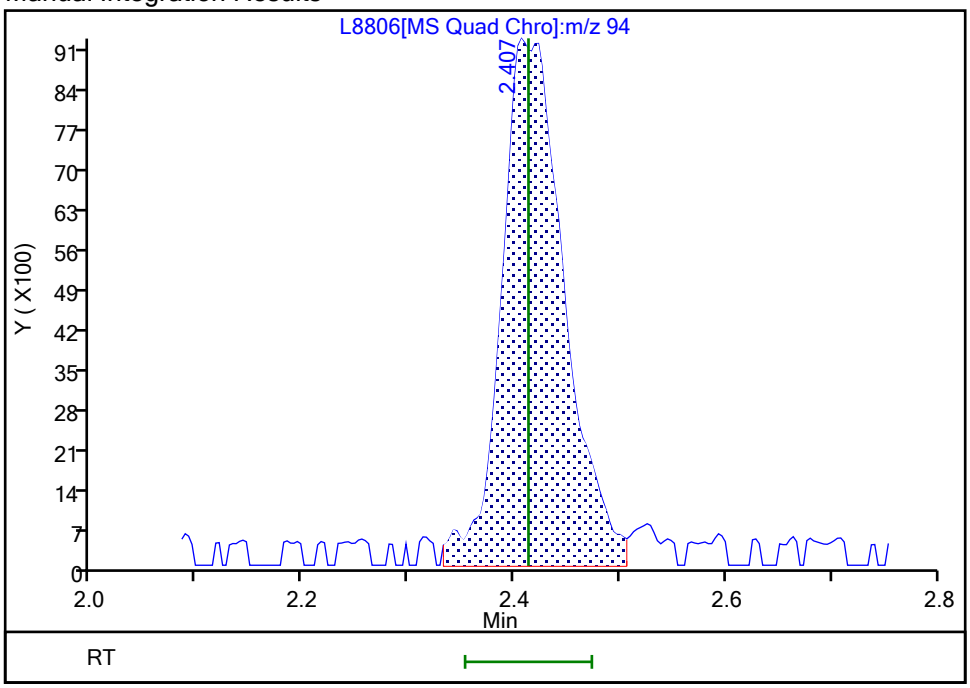
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 38386
Amount: 4.981060
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:14:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo

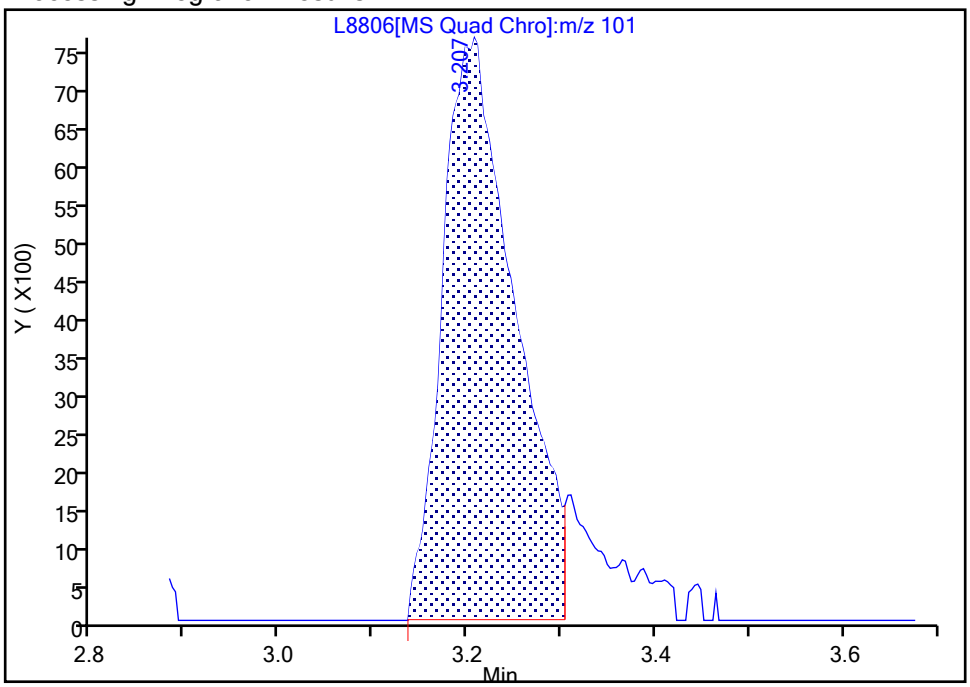
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8806.D
Injection Date: 24-Sep-2024 22:45:51 Instrument ID: HP5977L
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

29 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

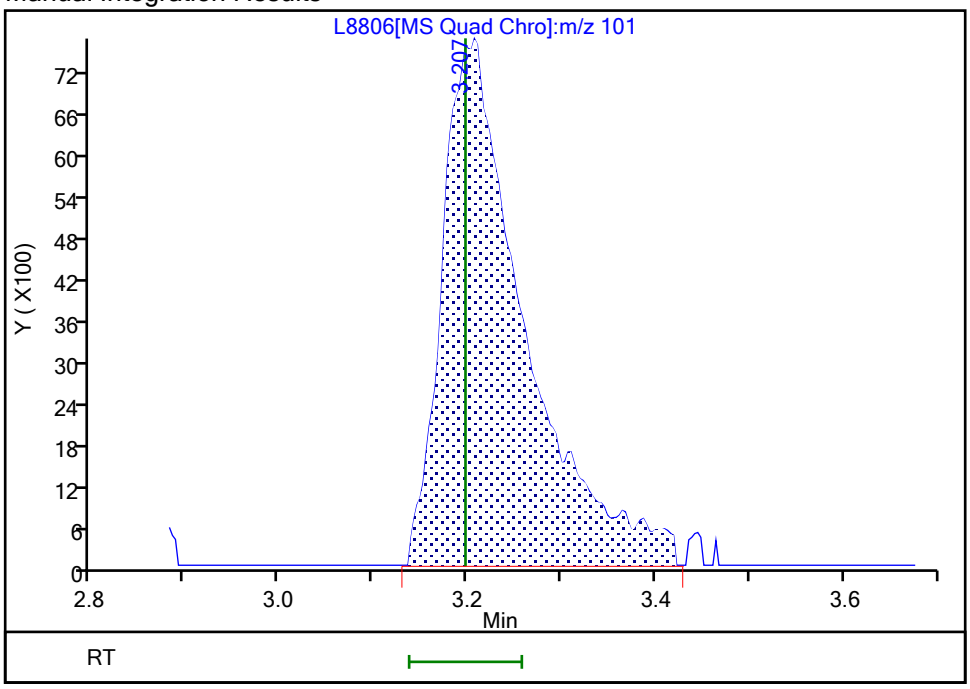
Processing Integration Results

RT: 3.21
Area: 41106
Amount: 4.750602
Amount Units: ug/L



Manual Integration Results

RT: 3.21
Area: 46756
Amount: 5.497625
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:15:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

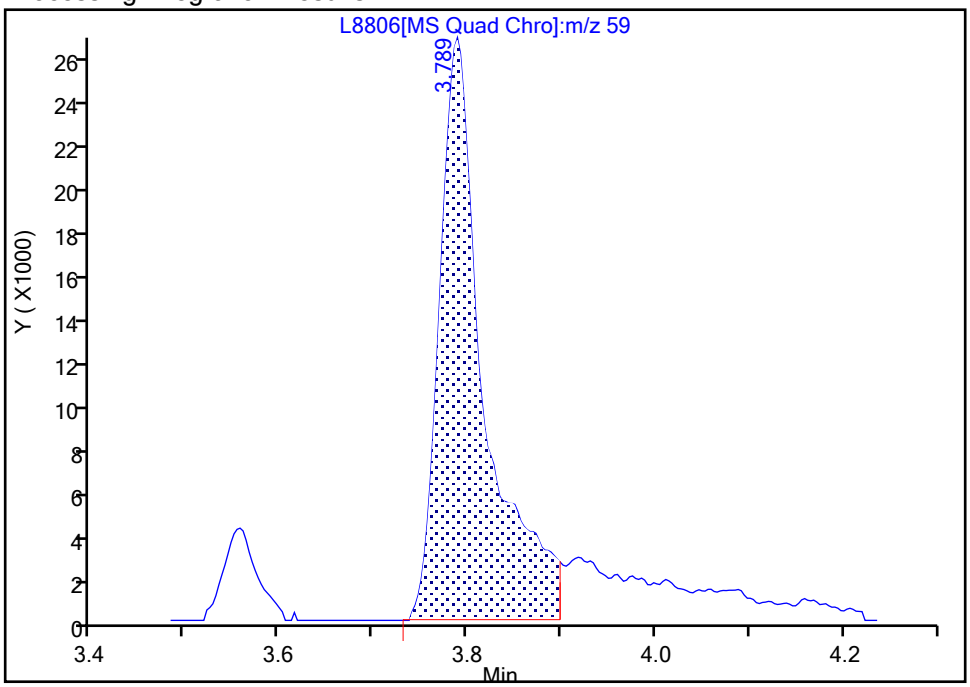
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8806.D
Injection Date: 24-Sep-2024 22:45:51 Instrument ID: HP5977L
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

40 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

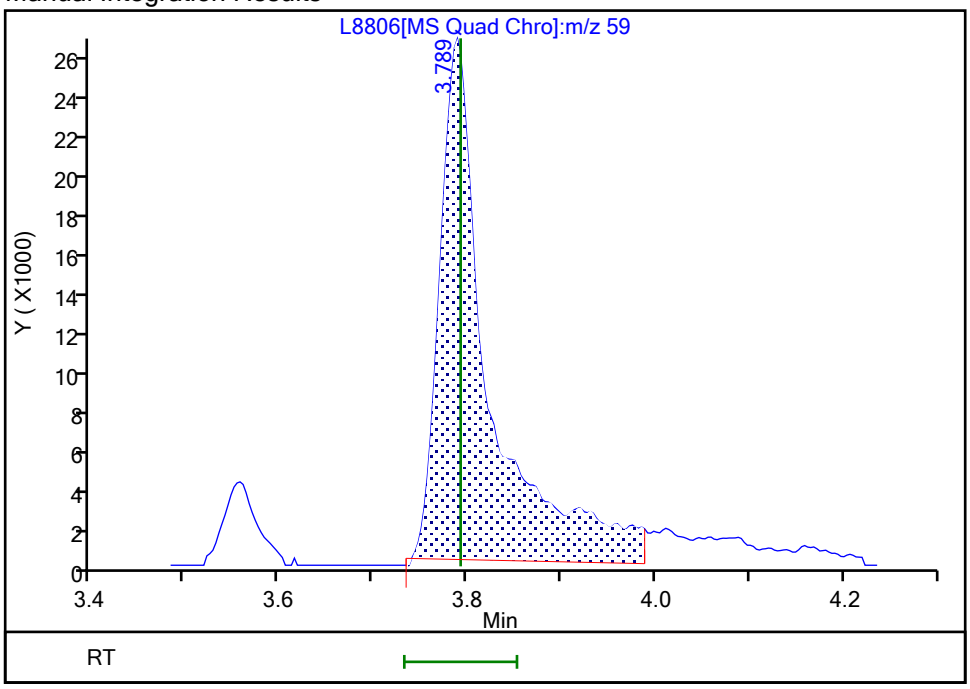
Processing Integration Results

RT: 3.79
Area: 89147
Amount: 44.979998
Amount Units: ug/L



Manual Integration Results

RT: 3.79
Area: 98319
Amount: 48.023972
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:15:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

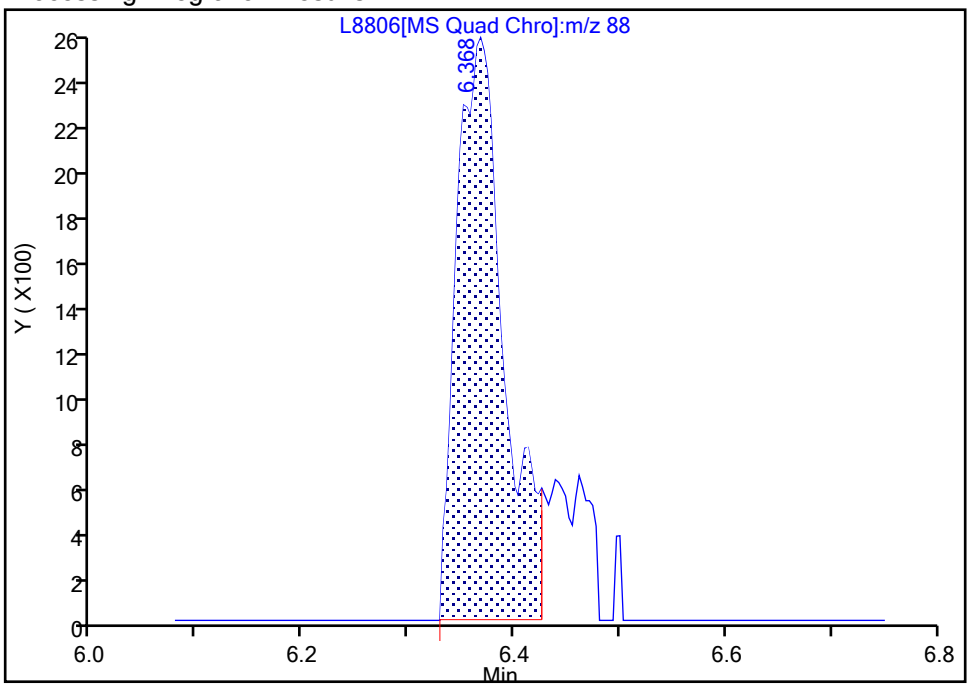
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8806.D
Injection Date: 24-Sep-2024 22:45:51 Instrument ID: HP5977L
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

81 1,4-Dioxane, CAS: 123-91-1

Signal: 1

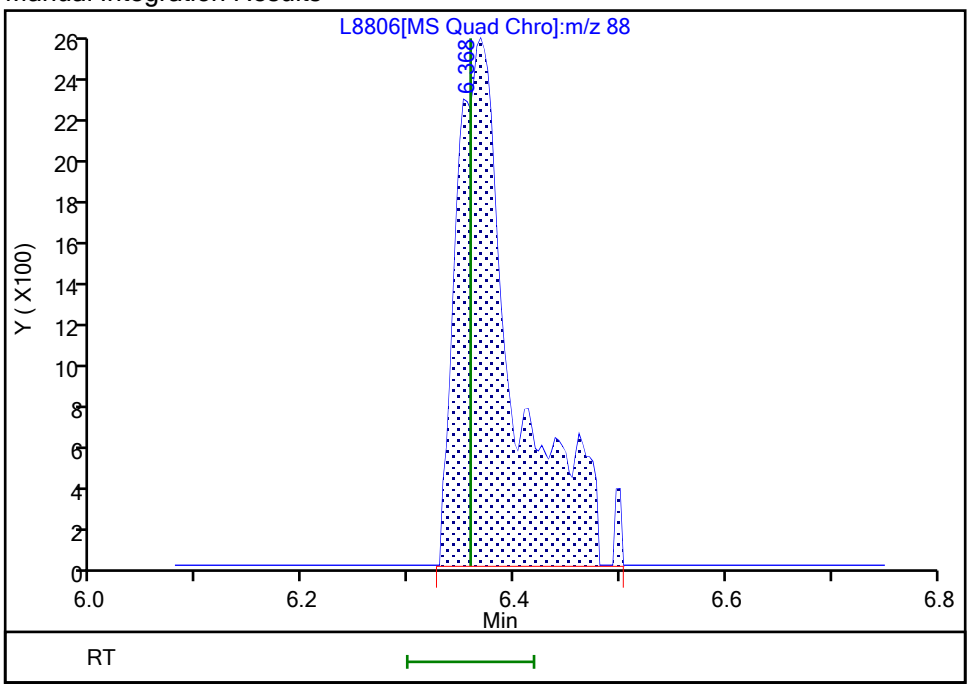
Processing Integration Results

RT: 6.37
Area: 8078
Amount: 86.072708
Amount Units: ug/L



Manual Integration Results

RT: 6.37
Area: 9899
Amount: 94.874605
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:16:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8807.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Sep-2024 23:10:01 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0120201-009
Operator ID: cdc Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:02:25 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 11:21:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	178645	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	665255	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	360922	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.101	5.098	0.003	93	229151	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	99	295806	25.0	24.8	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	93	859067	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.767	0.000	95	249554	25.0	25.7	
10 Dichlorodifluoromethane	85	1.744	1.748	-0.004	99	109776	10.0	9.21	
13 Chloromethane	50	1.957	1.957	0.000	98	116359	10.0	8.96	
14 Vinyl chloride	62	2.066	2.066	0.000	98	97970	10.0	9.18	
15 Butadiene	54	2.092	2.095	-0.003	89	82750	10.0	9.07	M
18 Bromomethane	94	2.420	2.413	0.007	90	72516	10.0	9.20	M
19 Chloroethane	64	2.513	2.510	0.003	98	65077	10.0	9.01	
20 Dichlorofluoromethane	67	2.703	2.699	0.004	96	175437	10.0	9.58	
21 Trichlorofluoromethane	101	2.728	2.725	0.003	97	136042	10.0	9.54	
26 Ethyl ether	59	2.998	2.998	0.000	92	87510	10.0	9.03	
28 Acrolein	56	3.140	3.137	0.003	99	71632	50.0	43.1	
30 1,1-Dichloroethene	96	3.195	3.198	-0.003	95	90552	10.0	9.36	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.201	3.198	0.003	66	88421	10.0	10.2	M
31 Acetone	43	3.291	3.291	0.000	100	222733	50.0	45.1	
33 Iodomethane	142	3.352	3.358	-0.006	100	139695	10.0	9.65	
35 Carbon disulfide	76	3.407	3.416	-0.009	100	279406	10.0	9.34	
37 3-Chloro-1-propene	41	3.510	3.510	0.000	89	151086	10.0	9.74	
38 Methyl acetate	43	3.558	3.555	0.003	98	223020	20.0	18.6	
39 Methylene Chloride	84	3.629	3.629	0.000	93	100242	10.0	9.29	
40 2-Methyl-2-propanol	59	3.789	3.793	-0.004	99	191516	100.0	91.5	M
42 trans-1,2-Dichloroethene	96	3.850	3.850	0.000	96	96841	10.0	9.37	
44 Acrylonitrile	53	3.860	3.857	0.003	98	550916	100.0	92.4	
41 Methyl tert-butyl ether	73	3.870	3.866	0.004	96	308498	10.0	9.42	
47 Hexane	57	4.037	4.034	0.003	92	152343	10.0	8.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.207	4.207	0.000	96	166594	10.0	9.25	
49 Vinyl acetate	43	4.243	4.239	0.004	97	457105	20.0	18.7	
56 2,2-Dichloropropane	77	4.683	4.683	0.000	88	90230	10.0	9.38	
58 cis-1,2-Dichloroethene	96	4.699	4.699	0.000	83	101166	10.0	9.32	
57 2-Butanone (MEK)	43	4.735	4.731	0.004	100	372016	50.0	45.3	
60 Chlorobromomethane	128	4.912	4.911	0.001	96	51618	10.0	9.58	
62 Chloroform	83	4.960	4.960	0.000	92	170700	10.0	9.15	
61 Tetrahydrofuran	42	4.998	4.998	0.000	94	103352	20.0	18.2	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	98	135935	10.0	9.44	
65 Cyclohexane	56	5.153	5.153	0.000	92	168350	10.0	9.58	M
67 1,1-Dichloropropene	75	5.246	5.246	0.000	94	131967	10.0	9.48	
66 Carbon tetrachloride	117	5.256	5.259	-0.003	97	122171	10.0	9.49	
69 Isobutyl alcohol	43	5.384	5.384	0.000	92	163785	250.0	211.8	
70 Benzene	78	5.436	5.436	0.000	96	360626	10.0	9.25	
72 1,2-Dichloroethane	62	5.461	5.461	0.000	97	147670	10.0	9.46	
73 n-Heptane	43	5.584	5.583	0.001	93	156580	10.0	9.44	
75 Trichloroethene	95	5.989	5.989	0.000	98	97993	10.0	9.28	
76 Methylcyclohexane	83	6.140	6.140	0.000	91	169803	10.0	9.32	
77 1,2-Dichloropropane	63	6.194	6.194	0.000	96	93537	10.0	9.25	
82 Dibromomethane	93	6.326	6.326	0.000	93	66478	10.0	9.43	
81 1,4-Dioxane	88	6.365	6.358	0.007	92	17979	200.0	173.7	M
83 Dichlorobromomethane	83	6.445	6.445	0.000	98	122691	10.0	9.35	
84 2-Chloroethyl vinyl ether	63	6.690	6.686	0.004	93	76124	10.0	9.42	
85 cis-1,3-Dichloropropene	75	6.847	6.847	0.000	94	158354	10.0	9.37	
87 4-Methyl-2-pentanone (MIBK)	43	6.985	6.985	0.000	97	745253	50.0	46.3	
88 Toluene	92	7.153	7.153	0.000	98	237476	10.0	9.45	
91 trans-1,3-Dichloropropene	75	7.368	7.368	0.000	93	151139	10.0	9.96	
90 Ethyl methacrylate	69	7.423	7.423	0.000	91	150522	10.0	9.34	
93 1,1,2-Trichloroethane	83	7.555	7.558	-0.003	92	74452	10.0	9.43	
94 Tetrachloroethene	166	7.690	7.690	0.000	94	96640	10.0	9.73	
95 1,3-Dichloropropane	76	7.722	7.725	-0.003	92	158141	10.0	9.54	
96 2-Hexanone	43	7.789	7.786	0.003	96	552116	50.0	45.9	
98 Chlorodibromomethane	129	7.963	7.963	0.000	95	94845	10.0	9.51	
101 Ethylene Dibromide	107	8.088	8.088	0.000	98	100243	10.0	9.66	
103 Chlorobenzene	112	8.564	8.564	0.000	95	262268	10.0	9.47	
105 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	91	89722	10.0	9.32	
104 Ethylbenzene	91	8.645	8.644	0.001	98	443390	10.0	9.40	
106 m-Xylene & p-Xylene	106	8.760	8.763	-0.003	99	175604	10.0	9.59	
107 o-Xylene	106	9.185	9.188	-0.003	97	170511	10.0	9.57	
109 Styrene	104	9.207	9.207	0.000	95	280951	10.0	9.49	
110 Bromoform	173	9.448	9.448	0.000	95	62597	10.0	9.45	
111 Isopropylbenzene	105	9.564	9.564	0.000	96	410069	10.0	9.26	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.924	0.000	96	146103	10.0	9.45	
113 Bromobenzene	156	9.940	9.943	-0.003	96	107503	10.0	9.44	
116 1,2,3-Trichloropropane	110	9.976	9.976	0.000	84	49845	10.0	9.34	
115 trans-1,4-Dichloro-2-butene	53	9.979	9.979	0.000	71	48946	10.0	9.35	
114 N-Propylbenzene	91	10.008	10.008	0.000	99	534497	10.0	9.35	
117 2-Chlorotoluene	126	10.130	10.130	0.000	96	102924	10.0	9.26	
118 1,3,5-Trimethylbenzene	105	10.188	10.188	0.000	94	379088	10.0	9.45	
119 4-Chlorotoluene	91	10.236	10.239	-0.003	98	335390	10.0	8.92	
120 tert-Butylbenzene	134	10.519	10.519	0.000	93	83771	10.0	9.58	
121 1,2,4-Trimethylbenzene	105	10.574	10.570	0.004	97	392900	10.0	9.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.731	10.734	-0.003	94	505181	10.0	9.54	
123 4-Isopropyltoluene	119	10.863	10.866	-0.003	97	429648	10.0	9.57	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	97	211739	10.0	9.52	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	94	216934	10.0	9.45	
127 n-Butylbenzene	91	11.246	11.246	0.000	98	389547	10.0	9.33	
128 1,2-Dichlorobenzene	146	11.313	11.310	0.003	96	202826	10.0	9.29	
129 1,2-Dibromo-3-Chloropropane	75	11.989	11.992	-0.003	80	36844	10.0	9.19	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	94	142908	10.0	9.55	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	95	51741	10.0	9.96	
132 Naphthalene	128	12.850	12.850	0.000	97	499762	10.0	9.58	
133 1,2,3-Trichlorobenzene	180	13.046	13.046	0.000	95	140311	10.0	9.82	
S 144 1,3-Dichloropropene, Total	1				0			19.3	
S 143 Xylenes, Total	1				0			19.2	
S 142 Total BTEX	1				0			47.3	
S 141 1,2-Dichloroethene, Total	1				0			18.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

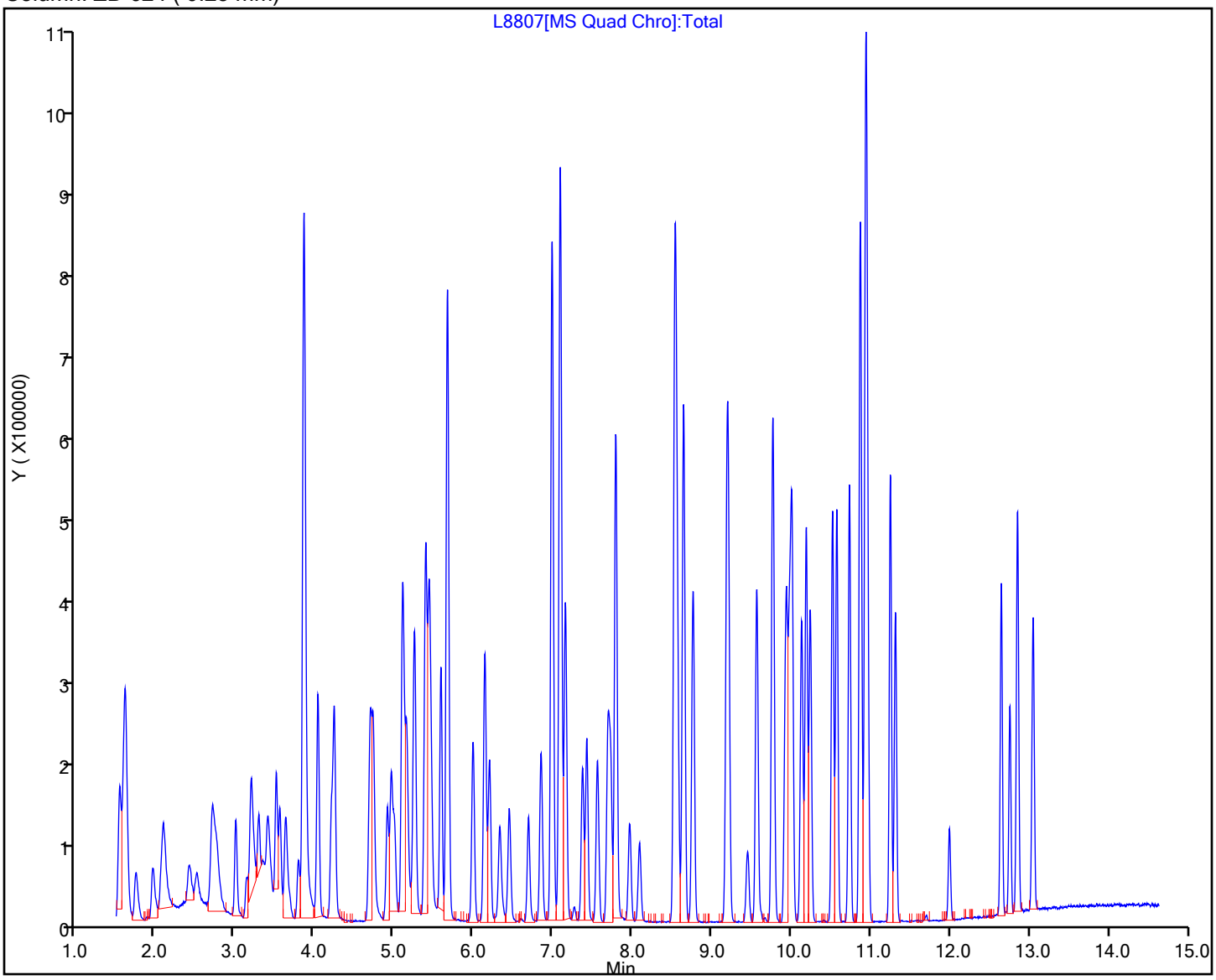
Reagents:

8260 CORP mix_00259	Amount Added:	5.00	Units: uL	
GAS CORP mix_00642	Amount Added:	5.00	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:02:25 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8807.D
Injection Date: 24-Sep-2024 23:10:01 Instrument ID: HP5977L
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

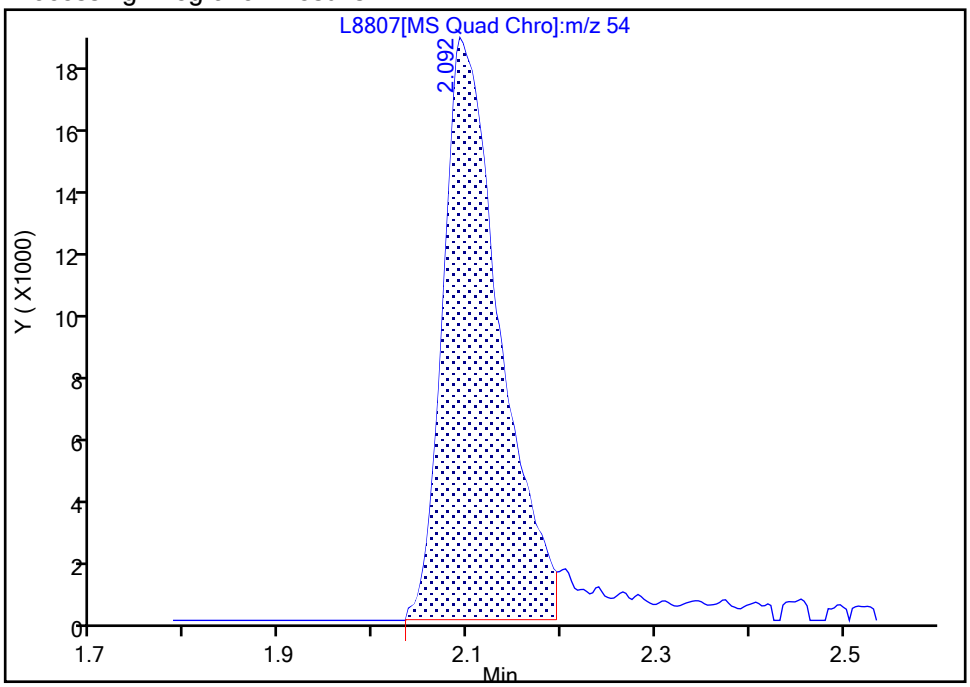
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8807.D
Injection Date: 24-Sep-2024 23:10:01 Instrument ID: HP5977L
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

15 Butadiene, CAS: 106-99-0

Signal: 1

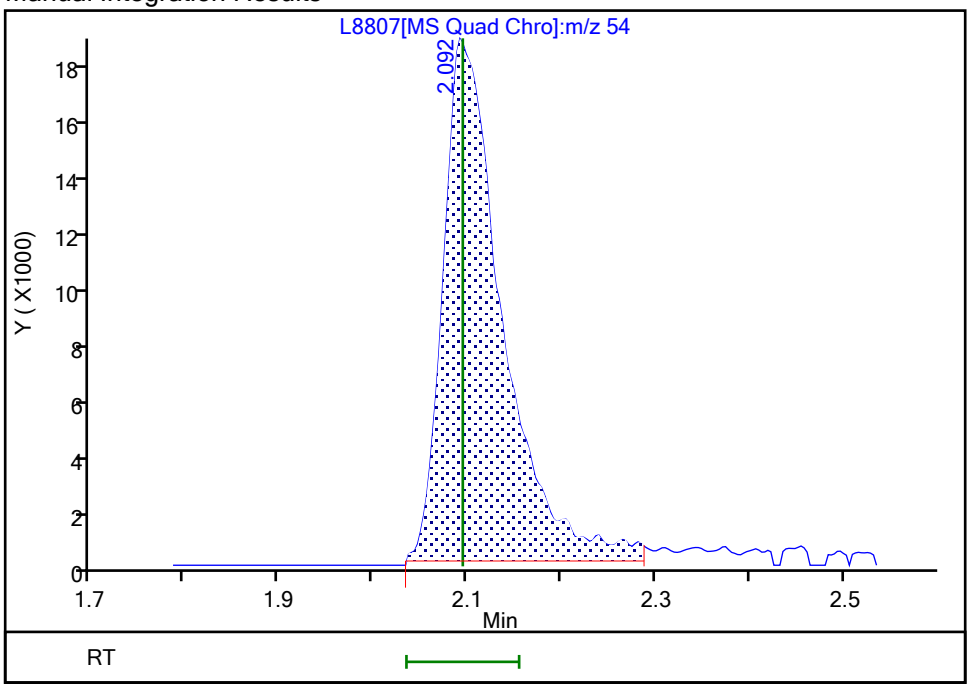
Processing Integration Results

RT: 2.09
Area: 79381
Amount: 8.187519
Amount Units: ug/L



Manual Integration Results

RT: 2.09
Area: 82750
Amount: 9.072464
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:18:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

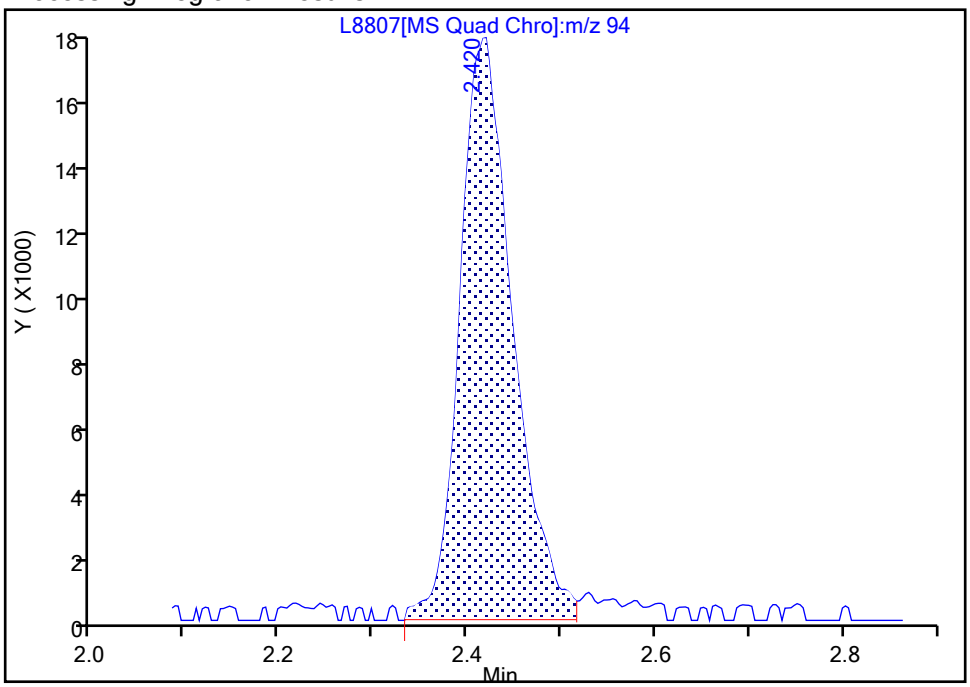
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8807.D
Injection Date: 24-Sep-2024 23:10:01 Instrument ID: HP5977L
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

18 Bromomethane, CAS: 74-83-9

Signal: 1

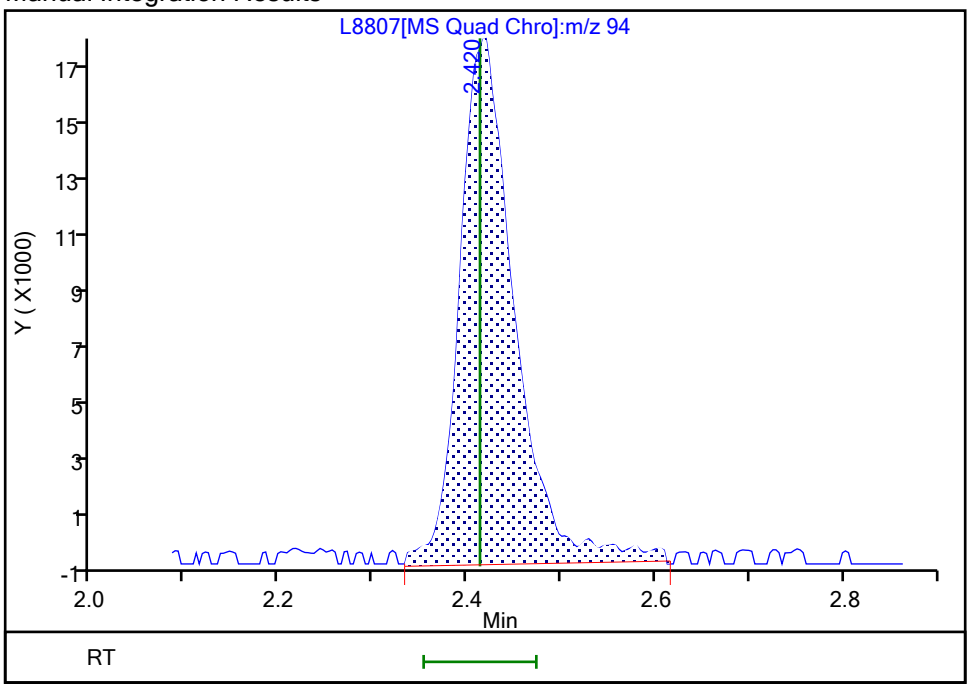
Processing Integration Results

RT: 2.42
Area: 69700
Amount: 8.886543
Amount Units: ug/L



Manual Integration Results

RT: 2.42
Area: 72516
Amount: 9.204267
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:18:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

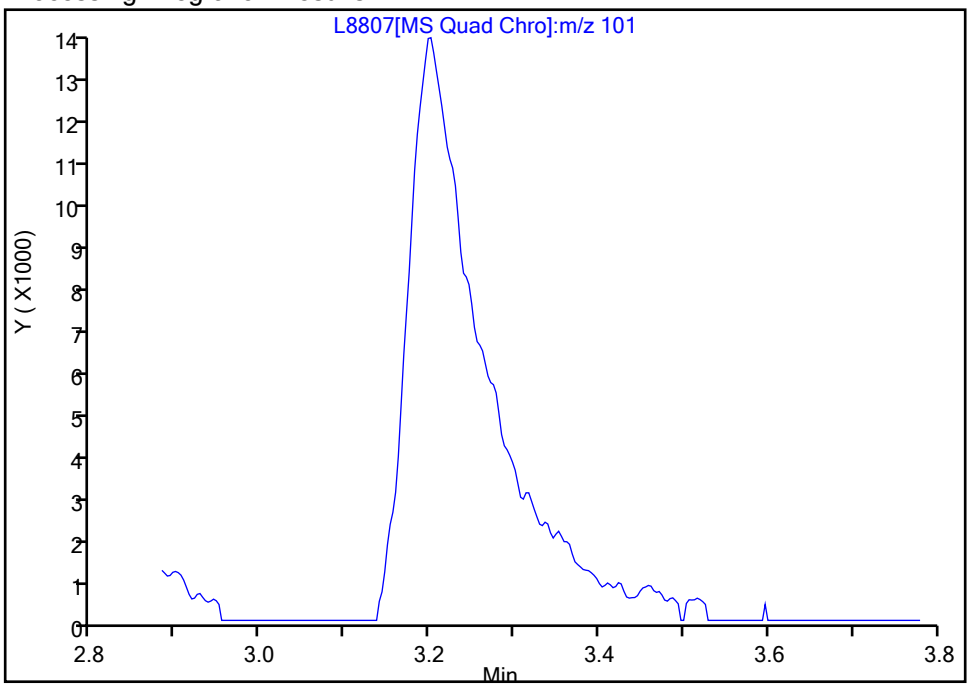
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8807.D
Injection Date: 24-Sep-2024 23:10:01 Instrument ID: HP5977L
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

29 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

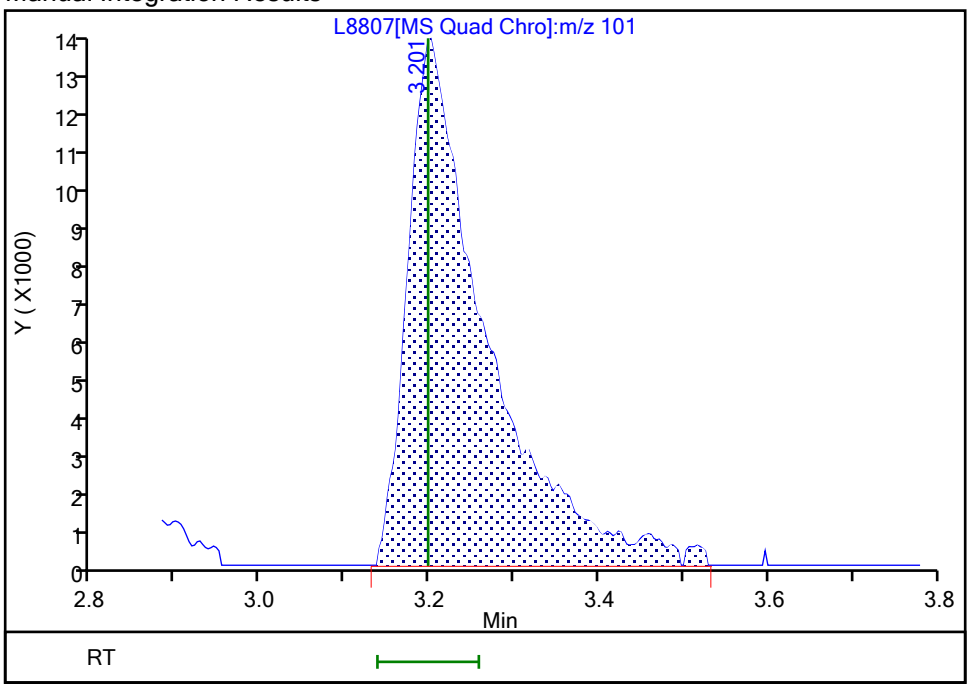
Not Detected
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.20
Area: 88421
Amount: 10.169501
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:19:37 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

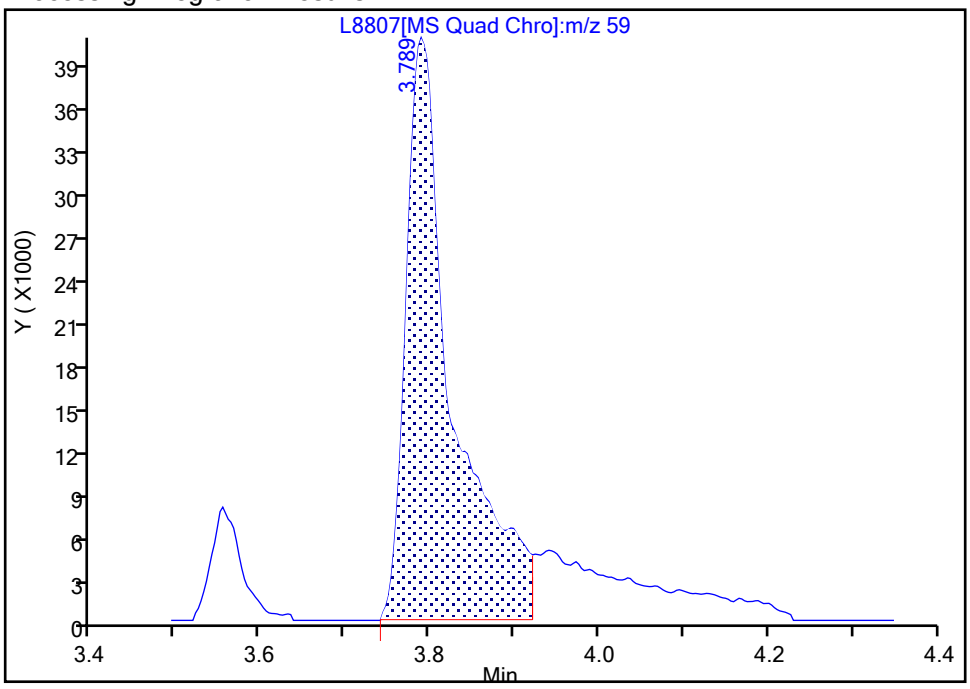
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8807.D
Injection Date: 24-Sep-2024 23:10:01 Instrument ID: HP5977L
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

40 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

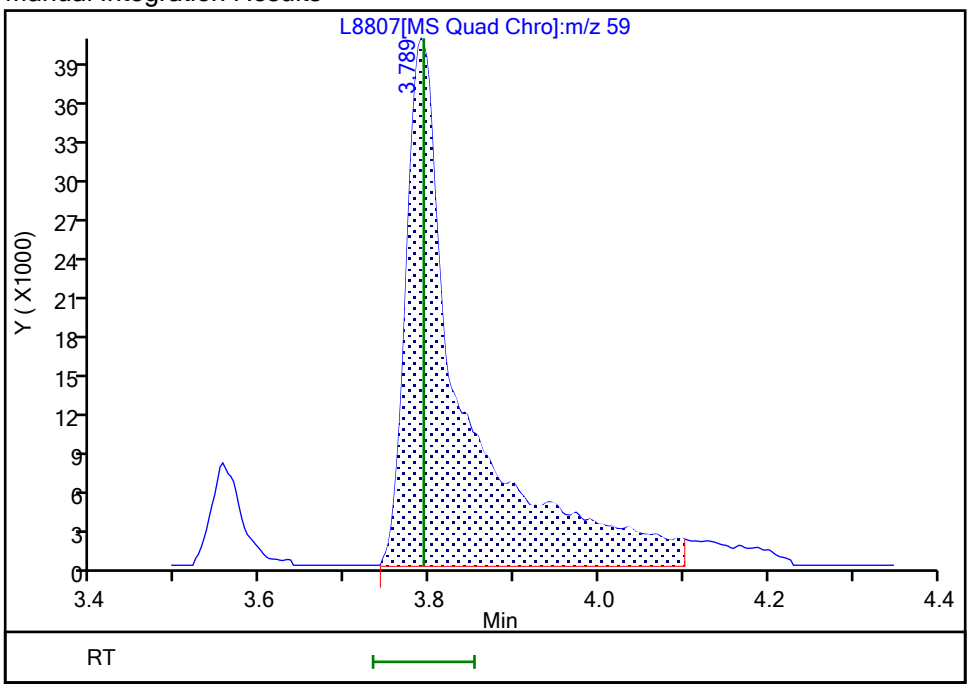
Processing Integration Results

RT: 3.79
Area: 156810
Amount: 76.506290
Amount Units: ug/L



Manual Integration Results

RT: 3.79
Area: 191516
Amount: 91.502323
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:20:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

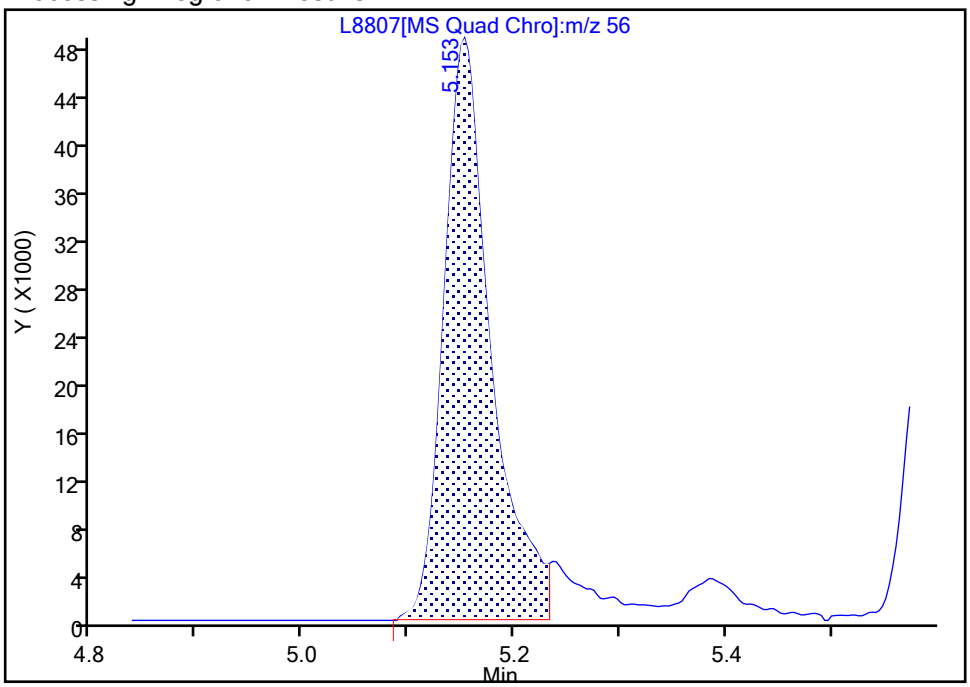
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8807.D
Injection Date: 24-Sep-2024 23:10:01 Instrument ID: HP5977L
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

65 Cyclohexane, CAS: 110-82-7

Signal: 1

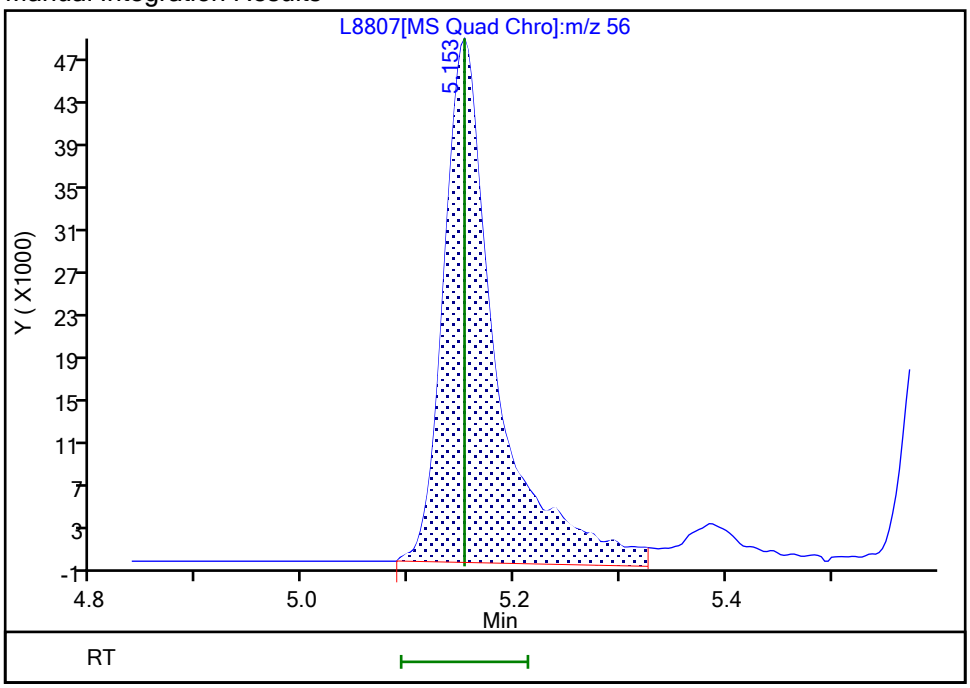
Processing Integration Results

RT: 5.15
Area: 151980
Amount: 8.748340
Amount Units: ug/L



Manual Integration Results

RT: 5.15
Area: 168350
Amount: 9.577823
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:20:21 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

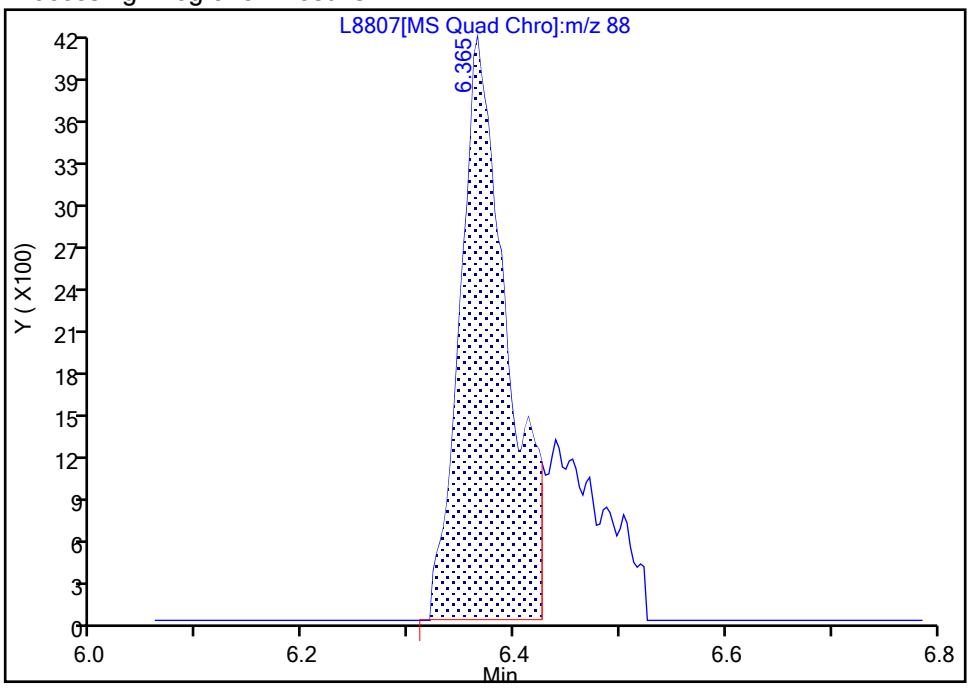
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8807.D
Injection Date: 24-Sep-2024 23:10:01 Instrument ID: HP5977L
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

81 1,4-Dioxane, CAS: 123-91-1

Signal: 1

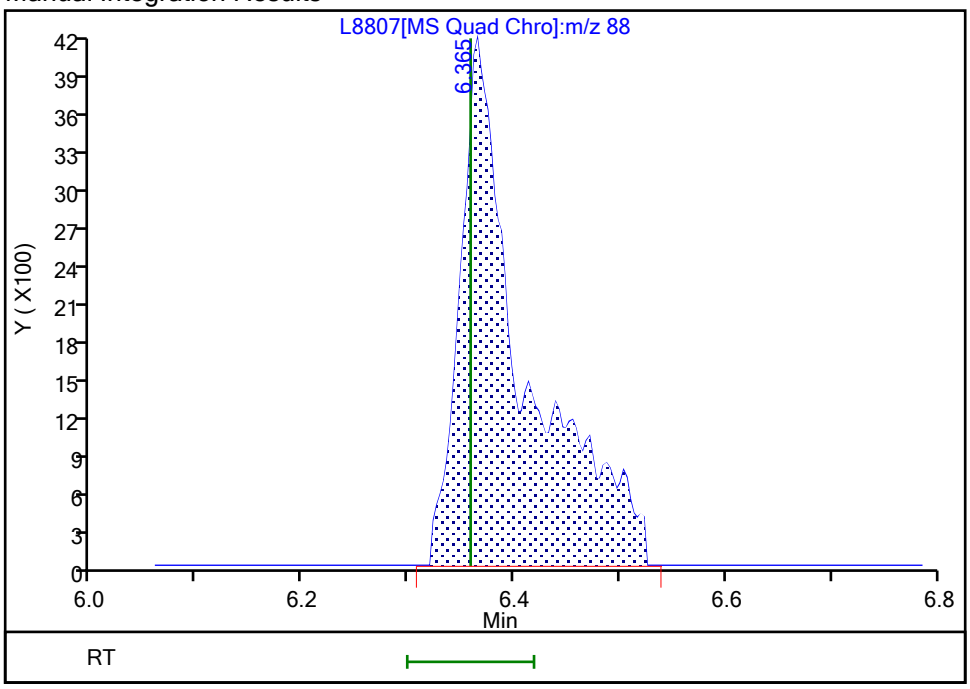
Processing Integration Results

RT: 6.36
Area: 13064
Amount: 132.4716
Amount Units: ug/L



Manual Integration Results

RT: 6.36
Area: 17979
Amount: 173.7315
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:20:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8808.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 24-Sep-2024 23:34:10 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0120201-010
Operator ID: cdc Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:02:42 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 11:22:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	169646	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.535	8.535	0.000	88	647687	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.940	10.940	0.000	96	344029	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	223424	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	90	298013	25.0	26.3	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	93	828107	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.767	0.000	94	231944	25.0	24.5	
10 Dichlorodifluoromethane	85	1.748	1.748	0.000	99	291627	25.0	25.8	
13 Chloromethane	50	1.957	1.957	0.000	99	301456	25.0	24.4	
14 Vinyl chloride	62	2.066	2.066	0.000	98	254221	25.0	25.1	
15 Butadiene	54	2.095	2.095	0.000	91	201218	25.0	23.2	
18 Bromomethane	94	2.413	2.413	0.000	90	171048	25.0	22.9	
19 Chloroethane	64	2.510	2.510	0.000	100	172997	25.0	25.2	
20 Dichlorofluoromethane	67	2.699	2.699	0.000	97	433816	25.0	24.9	
21 Trichlorofluoromethane	101	2.725	2.725	0.000	97	355613	25.0	26.3	
26 Ethyl ether	59	2.998	2.998	0.000	93	235464	25.0	25.6	
28 Acrolein	56	3.137	3.137	0.000	100	191004	125.0	121.1	
30 1,1-Dichloroethene	96	3.198	3.198	0.000	95	239849	25.0	26.1	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.198	3.198	0.000	76	216298	25.0	26.2	
31 Acetone	43	3.291	3.291	0.000	100	631063	125.0	134.6	
33 Iodomethane	142	3.358	3.358	0.000	100	365736	25.0	26.6	
35 Carbon disulfide	76	3.416	3.416	0.000	100	720843	25.0	25.4	
37 3-Chloro-1-propene	41	3.510	3.510	0.000	89	384155	25.0	26.1	
38 Methyl acetate	43	3.555	3.555	0.000	98	589955	50.0	51.7	
39 Methylene Chloride	84	3.629	3.629	0.000	94	254052	25.0	25.4	
40 2-Methyl-2-propanol	59	3.793	3.793	0.000	100	558063	250.0	280.8	
42 trans-1,2-Dichloroethene	96	3.850	3.850	0.000	97	254081	25.0	25.9	
44 Acrylonitrile	53	3.857	3.857	0.000	99	1497525	250.0	264.3	
41 Methyl tert-butyl ether	73	3.866	3.866	0.000	96	820572	25.0	26.4	
47 Hexane	57	4.034	4.034	0.000	92	400398	25.0	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.207	4.207	0.000	96	442426	25.0	25.9	
49 Vinyl acetate	43	4.239	4.239	0.000	97	1245392	50.0	53.7	
56 2,2-Dichloropropane	77	4.683	4.683	0.000	87	213689	25.0	23.4	
58 cis-1,2-Dichloroethene	96	4.699	4.699	0.000	83	265695	25.0	25.8	
57 2-Butanone (MEK)	43	4.731	4.731	0.000	100	1032637	125.0	132.6	
60 Chlorobromomethane	128	4.911	4.911	0.000	95	137707	25.0	26.9	
62 Chloroform	83	4.960	4.960	0.000	93	438595	25.0	24.7	
61 Tetrahydrofuran	42	4.998	4.998	0.000	86	268273	50.0	49.8	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	99	342933	25.0	25.1	
65 Cyclohexane	56	5.153	5.153	0.000	91	433143	25.0	25.9	
67 1,1-Dichloropropene	75	5.246	5.246	0.000	95	343300	25.0	26.0	
66 Carbon tetrachloride	117	5.259	5.259	0.000	98	316929	25.0	25.9	
69 Isobutyl alcohol	43	5.384	5.384	0.000	95	524252	625.0	713.9	
70 Benzene	78	5.436	5.436	0.000	95	946030	25.0	25.6	
72 1,2-Dichloroethane	62	5.461	5.461	0.000	98	384813	25.0	26.0	
73 n-Heptane	43	5.583	5.583	0.000	92	397116	25.0	25.2	
75 Trichloroethene	95	5.989	5.989	0.000	98	260956	25.0	26.0	
76 Methylcyclohexane	83	6.140	6.140	0.000	90	444322	25.0	25.7	
77 1,2-Dichloropropane	63	6.194	6.194	0.000	96	250411	25.0	26.1	
82 Dibromomethane	93	6.326	6.326	0.000	94	174532	25.0	26.1	
81 1,4-Dioxane	88	6.358	6.358	0.000	92	61764	500.0	613.0	
83 Dichlorobromomethane	83	6.445	6.445	0.000	99	327095	25.0	26.2	
84 2-Chloroethyl vinyl ether	63	6.686	6.686	0.000	93	209559	25.0	27.3	
85 cis-1,3-Dichloropropene	75	6.847	6.847	0.000	94	419626	25.0	26.2	
87 4-Methyl-2-pentanone (MIBK)	43	6.985	6.985	0.000	96	2038424	125.0	130.2	
88 Toluene	92	7.153	7.153	0.000	98	604650	25.0	24.7	
91 trans-1,3-Dichloropropene	75	7.368	7.368	0.000	93	399488	25.0	27.0	
90 Ethyl methacrylate	69	7.423	7.423	0.000	93	416824	25.0	26.6	
93 1,1,2-Trichloroethane	83	7.558	7.558	0.000	92	198846	25.0	25.9	
94 Tetrachloroethene	166	7.690	7.690	0.000	94	249425	25.0	25.8	
95 1,3-Dichloropropane	76	7.725	7.725	0.000	91	420022	25.0	26.0	
96 2-Hexanone	43	7.786	7.786	0.000	96	1531952	125.0	130.8	
98 Chlorodibromomethane	129	7.963	7.963	0.000	90	263190	25.0	27.1	
101 Ethylene Dibromide	107	8.088	8.088	0.000	99	269956	25.0	26.7	
103 Chlorobenzene	112	8.564	8.564	0.000	95	681678	25.0	25.3	
105 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	94	244192	25.0	26.1	
104 Ethylbenzene	91	8.644	8.644	0.000	98	1145905	25.0	25.0	
106 m-Xylene & p-Xylene	106	8.763	8.763	0.000	99	448258	25.0	25.2	
107 o-Xylene	106	9.188	9.188	0.000	97	448079	25.0	25.8	
109 Styrene	104	9.207	9.207	0.000	95	761753	25.0	26.4	
110 Bromoform	173	9.448	9.448	0.000	95	180099	25.0	27.9	
111 Isopropylbenzene	105	9.564	9.564	0.000	96	1078024	25.0	25.5	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.924	0.000	95	396942	25.0	26.9	
113 Bromobenzene	156	9.943	9.943	0.000	96	281480	25.0	25.9	
116 1,2,3-Trichloropropane	110	9.976	9.976	0.000	79	136988	25.0	26.9	
115 trans-1,4-Dichloro-2-butene	53	9.979	9.979	0.000	69	139099	25.0	27.9	
114 N-Propylbenzene	91	10.008	10.008	0.000	98	1395866	25.0	25.6	
117 2-Chlorotoluene	126	10.130	10.130	0.000	96	271100	25.0	25.6	
118 1,3,5-Trimethylbenzene	105	10.188	10.188	0.000	94	996271	25.0	26.0	
119 4-Chlorotoluene	91	10.239	10.239	0.000	97	884082	25.0	24.7	
120 tert-Butylbenzene	134	10.519	10.519	0.000	92	221782	25.0	26.6	
121 1,2,4-Trimethylbenzene	105	10.570	10.570	0.000	97	1027587	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.734	10.734	0.000	94	1294414	25.0	25.6	
123 4-Isopropyltoluene	119	10.866	10.866	0.000	98	1121776	25.0	26.2	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	97	548729	25.0	25.9	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	93	560244	25.0	25.6	
127 n-Butylbenzene	91	11.246	11.246	0.000	98	1016946	25.0	25.5	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	96	538159	25.0	25.8	
129 1,2-Dibromo-3-Chloropropane	75	11.992	11.992	0.000	84	101751	25.0	26.6	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	94	371358	25.0	26.0	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	95	125395	25.0	25.3	
132 Naphthalene	128	12.850	12.850	0.000	97	1339783	25.0	26.9	
133 1,2,3-Trichlorobenzene	180	13.046	13.046	0.000	95	361125	25.0	26.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added: 12.50	Units: uL	
GAS CORP mix_00642	Amount Added: 12.50	Units: uL	
L_8260_IS_00059	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:02:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8808.D

Injection Date: 24-Sep-2024 23:34:10 Instrument ID: HP5977L

Lims ID: ICIS 5

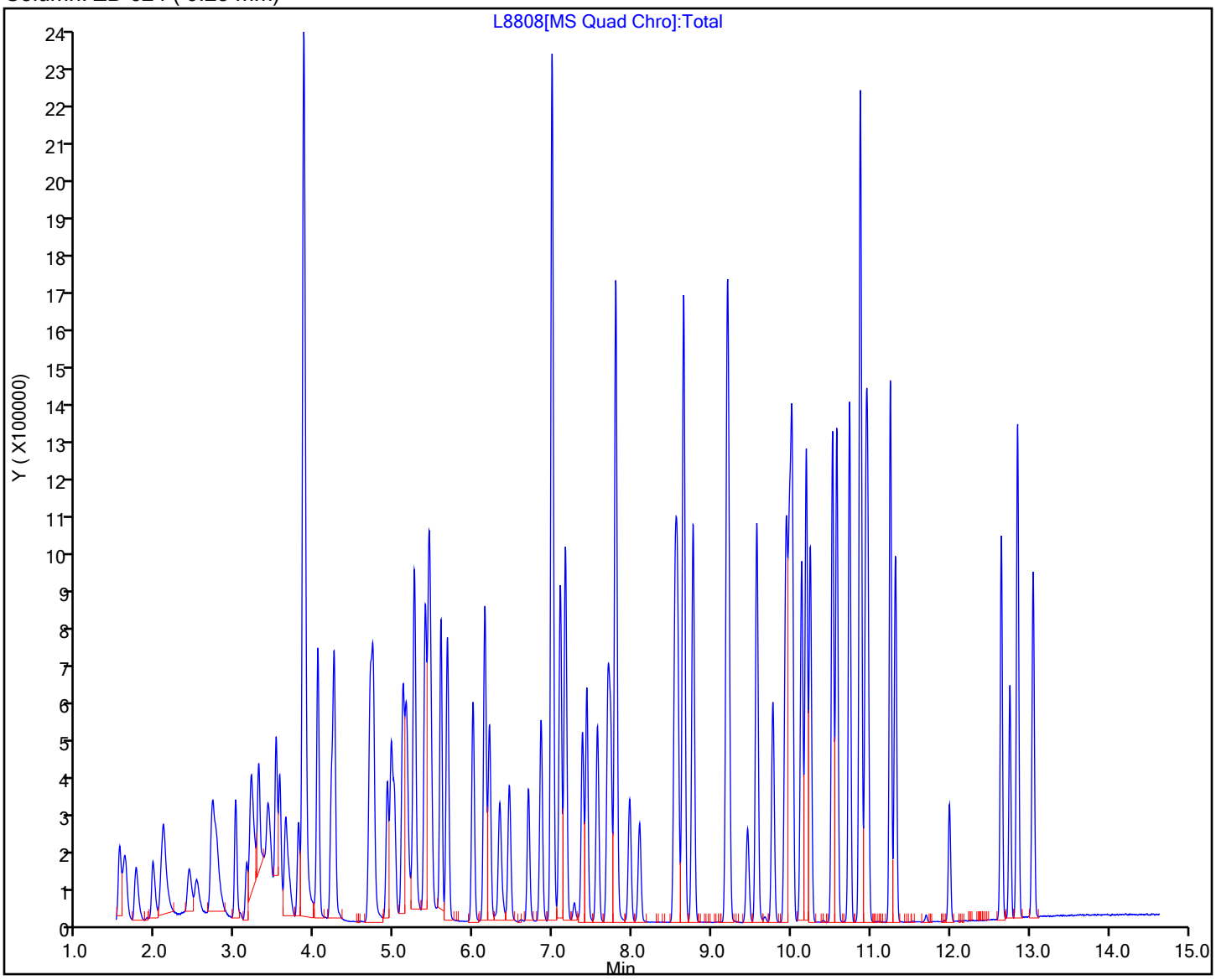
Client ID:

Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 10

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8809.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 24-Sep-2024 23:58:49 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0120201-011
Operator ID: cdc Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:03:00 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 11:23:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	169741	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.535	8.535	0.000	87	637903	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.940	-0.003	95	334945	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	228302	25.0	25.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	95	282943	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	93	852249	25.0	26.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.770	9.767	0.003	95	249873	25.0	26.8	
10 Dichlorodifluoromethane	85	1.744	1.748	-0.004	99	600960	50.0	53.1	
13 Chloromethane	50	1.957	1.957	0.000	99	619366	50.0	50.2	
14 Vinyl chloride	62	2.066	2.066	0.000	98	537265	50.0	53.0	
15 Butadiene	54	2.101	2.095	0.006	89	466062	50.0	53.8	
18 Bromomethane	94	2.416	2.413	0.003	91	366037	50.0	48.9	
19 Chloroethane	64	2.510	2.510	0.000	100	352977	50.0	51.4	
20 Dichlorofluoromethane	67	2.703	2.699	0.004	97	896655	50.0	51.5	
21 Trichlorofluoromethane	101	2.732	2.725	0.007	97	743304	50.0	54.9	
26 Ethyl ether	59	2.998	2.998	0.000	91	464907	50.0	50.5	
28 Acrolein	56	3.137	3.137	0.000	100	387665	250.0	245.7	
30 1,1-Dichloroethene	96	3.198	3.198	0.000	98	476992	50.0	51.9	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.207	3.198	0.009	94	443495	50.0	53.7	
31 Acetone	43	3.288	3.291	-0.003	100	1218164	250.0	259.6	
33 Iodomethane	142	3.352	3.358	-0.006	99	753835	50.0	54.8	
35 Carbon disulfide	76	3.410	3.416	-0.006	99	1468343	50.0	51.7	
37 3-Chloro-1-propene	41	3.510	3.510	0.000	88	768552	50.0	52.1	
38 Methyl acetate	43	3.555	3.555	0.000	98	1182330	100.0	103.5	
39 Methylene Chloride	84	3.629	3.629	0.000	94	505139	50.0	50.9	
40 2-Methyl-2-propanol	59	3.786	3.793	-0.007	100	1119594	500.0	563.0	
42 trans-1,2-Dichloroethene	96	3.847	3.850	-0.003	97	498901	50.0	50.8	
44 Acrylonitrile	53	3.854	3.857	-0.003	100	2909231	500.0	513.3	
41 Methyl tert-butyl ether	73	3.867	3.866	0.001	97	1590100	50.0	51.1	
47 Hexane	57	4.037	4.034	0.003	92	783353	50.0	48.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.207	4.207	0.000	96	872326	50.0	51.0	
49 Vinyl acetate	43	4.240	4.239	0.001	97	2482417	100.0	107.0	
56 2,2-Dichloropropane	77	4.683	4.683	0.000	87	433363	50.0	47.4	
58 cis-1,2-Dichloroethene	96	4.703	4.699	0.004	81	537837	50.0	52.1	
57 2-Butanone (MEK)	43	4.732	4.731	0.001	100	1993676	250.0	255.8	
60 Chlorobromomethane	128	4.908	4.911	-0.003	94	271267	50.0	53.0	
62 Chloroform	83	4.960	4.960	0.000	93	866292	50.0	48.8	
61 Tetrahydrofuran	42	4.995	4.998	-0.003	87	521484	100.0	96.8	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	99	712444	50.0	52.1	
65 Cyclohexane	56	5.153	5.153	0.000	91	844723	50.0	50.6	
67 1,1-Dichloropropene	75	5.249	5.246	0.003	95	682749	50.0	51.6	
66 Carbon tetrachloride	117	5.256	5.259	-0.003	97	661662	50.0	54.1	
69 Isobutyl alcohol	43	5.381	5.384	-0.003	94	1010192	1250.0	1374.9	
70 Benzene	78	5.436	5.436	0.000	96	1856713	50.0	50.1	
72 1,2-Dichloroethane	62	5.461	5.461	0.000	97	743879	50.0	50.1	
73 n-Heptane	43	5.584	5.583	0.001	91	784211	50.0	49.7	
75 Trichloroethene	95	5.989	5.989	0.000	98	509062	50.0	50.8	
76 Methylcyclohexane	83	6.137	6.140	-0.003	91	887560	50.0	51.3	
77 1,2-Dichloropropane	63	6.194	6.194	0.000	97	501299	50.0	52.2	
82 Dibromomethane	93	6.326	6.326	0.000	96	343012	50.0	51.2	
81 1,4-Dioxane	88	6.365	6.358	0.007	95	112703	1000.0	1135.7	M
83 Dichlorobromomethane	83	6.445	6.445	0.000	99	655821	50.0	52.6	
84 2-Chloroethyl vinyl ether	63	6.686	6.686	0.000	93	413711	50.0	53.9	
85 cis-1,3-Dichloropropene	75	6.847	6.847	0.000	95	850086	50.0	53.0	
87 4-Methyl-2-pentanone (MIBK)	43	6.985	6.985	0.000	97	3886664	250.0	252.0	
88 Toluene	92	7.153	7.153	0.000	98	1215309	50.0	50.5	
91 trans-1,3-Dichloropropene	75	7.368	7.368	0.000	94	792520	50.0	54.5	
90 Ethyl methacrylate	69	7.423	7.423	0.000	91	817964	50.0	52.9	
93 1,1,2-Trichloroethane	83	7.558	7.558	0.000	92	391227	50.0	51.7	
94 Tetrachloroethene	166	7.690	7.690	0.000	95	495806	50.0	52.0	
95 1,3-Dichloropropane	76	7.722	7.725	-0.003	92	813637	50.0	51.2	
96 2-Hexanone	43	7.786	7.786	0.000	95	2919135	250.0	253.1	
98 Chlorodibromomethane	129	7.963	7.963	0.000	90	526739	50.0	55.1	
101 Ethylene Dibromide	107	8.088	8.088	0.000	98	533626	50.0	53.7	
103 Chlorobenzene	112	8.564	8.564	0.000	95	1361969	50.0	51.3	
105 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	95	490820	50.0	53.2	
104 Ethylbenzene	91	8.645	8.644	0.001	99	2298949	50.0	50.9	
106 m-Xylene & p-Xylene	106	8.760	8.763	-0.003	99	905148	50.0	51.6	
107 o-Xylene	106	9.188	9.188	0.000	97	888593	50.0	52.0	
109 Styrene	104	9.207	9.207	0.000	95	1495643	50.0	52.7	
110 Bromoform	173	9.448	9.448	0.000	94	366435	50.0	57.7	
111 Isopropylbenzene	105	9.564	9.564	0.000	97	2152700	50.0	52.4	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.924	0.000	95	778257	50.0	54.2	
113 Bromobenzene	156	9.940	9.943	-0.003	96	558354	50.0	52.8	
116 1,2,3-Trichloropropane	110	9.976	9.976	0.000	79	265908	50.0	53.7	
115 trans-1,4-Dichloro-2-butene	53	9.976	9.979	-0.003	69	281986	50.0	58.0	
114 N-Propylbenzene	91	10.008	10.008	0.000	98	2763459	50.0	52.1	
117 2-Chlorotoluene	126	10.130	10.130	0.000	96	540890	50.0	52.5	
118 1,3,5-Trimethylbenzene	105	10.188	10.188	0.000	96	1955694	50.0	52.5	
119 4-Chlorotoluene	91	10.239	10.239	0.000	97	1748351	50.0	50.1	
120 tert-Butylbenzene	134	10.519	10.519	0.000	92	441619	50.0	54.4	
121 1,2,4-Trimethylbenzene	105	10.574	10.570	0.004	98	2040301	50.0	52.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.735	10.734	0.001	94	2575492	50.0	52.4	
123 4-Isopropyltoluene	119	10.866	10.866	0.000	97	2221813	50.0	53.3	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	97	1077437	50.0	52.2	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	93	1093010	50.0	51.3	
127 n-Butylbenzene	91	11.249	11.246	0.003	98	2008857	50.0	51.8	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	97	1064809	50.0	52.5	
129 1,2-Dibromo-3-Chloropropane	75	11.989	11.992	-0.003	88	201837	50.0	54.3	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	94	744968	50.0	53.6	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	95	236484	50.0	49.1	
132 Naphthalene	128	12.850	12.850	0.000	97	2640891	50.0	54.5	
133 1,2,3-Trichlorobenzene	180	13.046	13.046	0.000	95	722170	50.0	54.4	
S 144 1,3-Dichloropropene, Total	1				0			107.4	
S 143 Xylenes, Total	1				0			103.6	
S 142 Total BTEX	1				0			255.0	
S 141 1,2-Dichloroethene, Total	1				0			103.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00259	Amount Added:	25.00	Units: uL	
GAS CORP mix_00642	Amount Added:	25.00	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:03:00 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8809.D

Injection Date: 24-Sep-2024 23:58:49 Instrument ID: HP5977L

Lims ID: IC 6

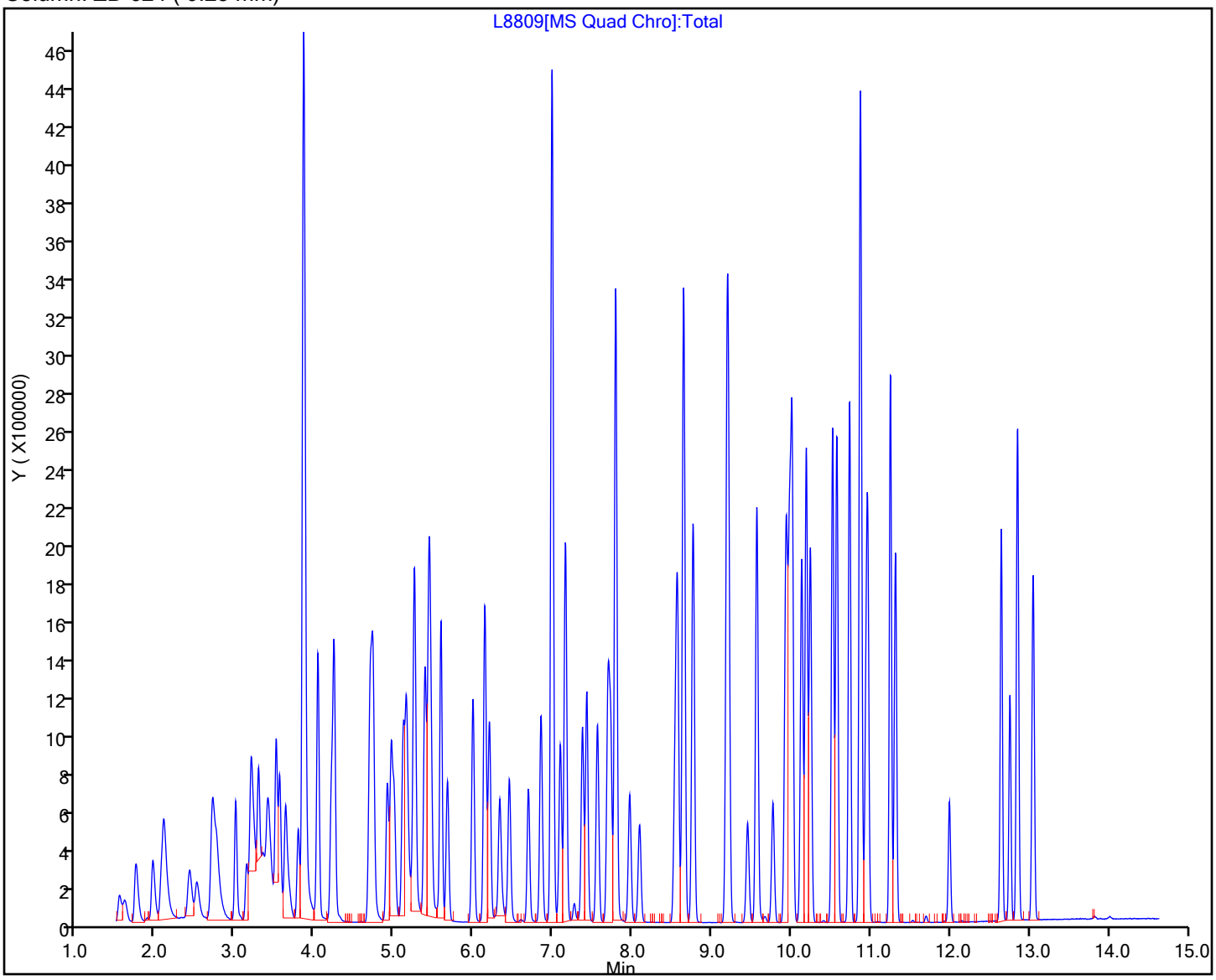
Client ID:

Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 11

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

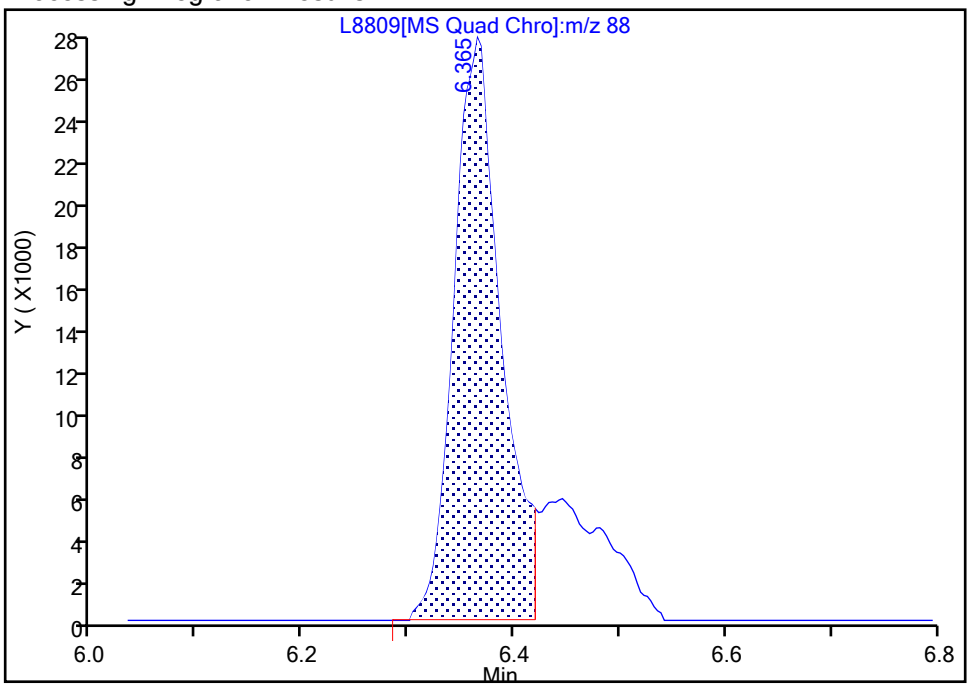
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8809.D
Injection Date: 24-Sep-2024 23:58:49 Instrument ID: HP5977L
Lims ID: IC 6
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

81 1,4-Dioxane, CAS: 123-91-1

Signal: 1

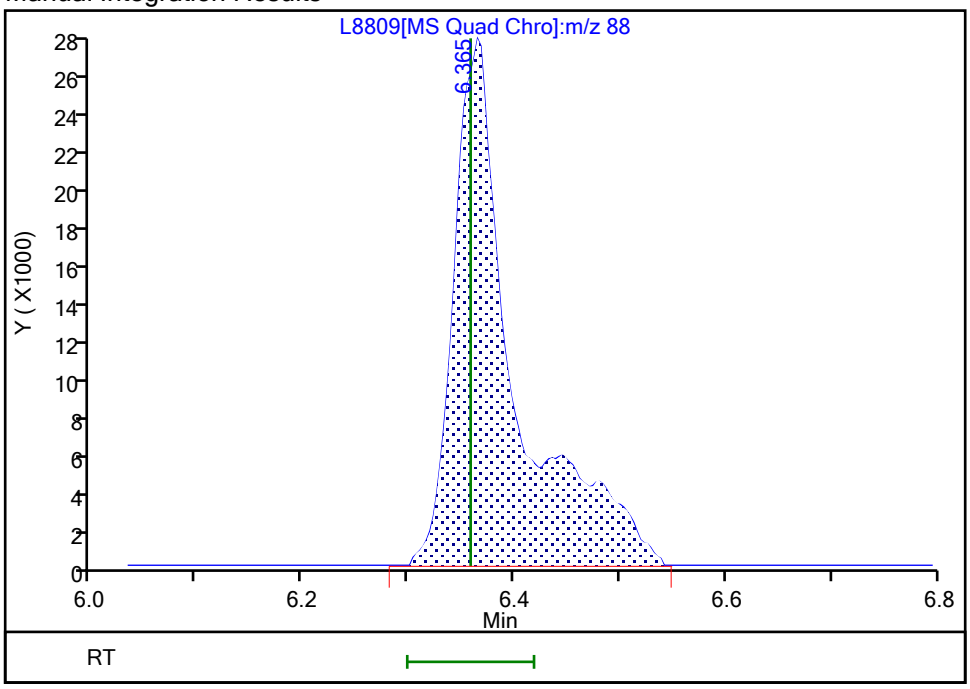
Processing Integration Results

RT: 6.36
Area: 86340
Amount: 1061.0419
Amount Units: ug/L



Manual Integration Results

RT: 6.36
Area: 112703
Amount: 1135.7482
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:22:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8810.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 25-Sep-2024 00:23:01 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0120201-012
Operator ID: cdc Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:03:17 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 11:24:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	164871	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.535	8.535	0.000	89	644476	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.940	10.940	0.000	95	334404	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	216270	25.0	25.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	88	261309	25.0	23.7	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	802281	25.0	24.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.767	0.000	95	225430	25.0	23.9	
10 Dichlorodifluoromethane	85	1.741	1.748	-0.007	99	1150389	100.0	104.6	
13 Chloromethane	50	1.953	1.957	-0.004	99	1206063	100.0	100.6	
14 Vinyl chloride	62	2.063	2.066	-0.003	98	1042867	100.0	105.9	
15 Butadiene	54	2.101	2.095	0.006	90	953830	100.0	113.3	
18 Bromomethane	94	2.413	2.413	0.000	90	709093	100.0	97.5	
19 Chloroethane	64	2.507	2.510	-0.003	100	684224	100.0	102.6	
20 Dichlorofluoromethane	67	2.703	2.699	0.004	97	1740946	100.0	103.0	
21 Trichlorofluoromethane	101	2.732	2.725	0.007	97	1442040	100.0	109.6	
26 Ethyl ether	59	2.998	2.998	0.000	91	867630	100.0	97.0	
28 Acrolein	56	3.134	3.137	-0.003	100	646367	500.0	421.8	
30 1,1-Dichloroethene	96	3.195	3.198	-0.003	97	907638	100.0	101.7	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.201	3.198	0.003	94	857603	100.0	106.9	a
31 Acetone	43	3.288	3.291	-0.003	100	1805828	500.0	396.2	
33 Iodomethane	142	3.365	3.358	0.007	99	1472306	100.0	110.2	
35 Carbon disulfide	76	3.410	3.416	-0.006	100	2796760	100.0	101.3	
37 3-Chloro-1-propene	41	3.507	3.510	-0.004	89	1464332	100.0	102.3	
38 Methyl acetate	43	3.552	3.555	-0.003	98	2052008	200.0	185.0	
39 Methylene Chloride	84	3.629	3.629	0.000	93	954282	100.0	99.3	
40 2-Methyl-2-propanol	59	3.786	3.793	-0.007	99	1464935	1000.0	758.4	
42 trans-1,2-Dichloroethene	96	3.844	3.850	-0.006	97	951096	100.0	99.7	
44 Acrylonitrile	53	3.854	3.857	-0.003	100	4789651	1000.0	870.0	
41 Methyl tert-butyl ether	73	3.863	3.866	-0.003	95	2924873	100.0	96.8	
47 Hexane	57	4.034	4.034	0.000	91	1465830	100.0	93.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.204	4.207	-0.003	96	1652064	100.0	99.4	
49 Vinyl acetate	43	4.236	4.239	-0.003	97	4616127	200.0	204.8	
56 2,2-Dichloropropane	77	4.683	4.683	0.000	86	794208	100.0	89.4	
58 cis-1,2-Dichloroethene	96	4.699	4.699	0.000	81	1025372	100.0	102.3	
57 2-Butanone (MEK)	43	4.728	4.731	-0.003	100	3442237	500.0	454.7	
60 Chlorobromomethane	128	4.908	4.911	-0.003	94	520714	100.0	104.7	
62 Chloroform	83	4.957	4.960	-0.003	93	1649613	100.0	95.8	
61 Tetrahydrofuran	42	4.995	4.998	-0.003	87	890128	200.0	170.1	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	98	1377339	100.0	103.6	
65 Cyclohexane	56	5.153	5.153	0.000	91	1641371	100.0	101.2	
67 1,1-Dichloropropene	75	5.246	5.246	0.000	95	1297629	100.0	101.0	
66 Carbon tetrachloride	117	5.256	5.259	-0.003	98	1272039	100.0	107.0	
69 Isobutyl alcohol	43	5.381	5.384	-0.003	94	1581049	2500.0	2215.3	
70 Benzene	78	5.436	5.436	0.000	96	3528099	100.0	98.1	
72 1,2-Dichloroethane	62	5.458	5.461	-0.003	98	1387295	100.0	96.3	
73 n-Heptane	43	5.584	5.583	0.001	93	1512923	100.0	98.8	
75 Trichloroethene	95	5.989	5.989	0.000	99	987539	100.0	101.4	
76 Methylcyclohexane	83	6.137	6.140	-0.003	91	1678492	100.0	99.8	
77 1,2-Dichloropropane	63	6.195	6.194	0.001	96	951063	100.0	101.9	
82 Dibromomethane	93	6.323	6.326	-0.003	96	651944	100.0	100.3	
81 1,4-Dioxane	88	6.362	6.358	0.004	95	182070	2000.0	1816.1	
83 Dichlorobromomethane	83	6.445	6.445	0.000	99	1269728	100.0	104.8	
84 2-Chloroethyl vinyl ether	63	6.686	6.686	0.000	93	813035	100.0	109.0	
85 cis-1,3-Dichloropropene	75	6.844	6.847	-0.003	95	1649012	100.0	105.8	
87 4-Methyl-2-pentanone (MIBK)	43	6.986	6.985	0.001	95	7038004	500.0	451.7	
88 Toluene	92	7.153	7.153	0.000	98	2327374	100.0	95.6	
91 trans-1,3-Dichloropropene	75	7.368	7.368	0.000	93	1543498	100.0	105.0	
90 Ethyl methacrylate	69	7.423	7.423	0.000	92	1561577	100.0	100.1	
93 1,1,2-Trichloroethane	83	7.558	7.558	0.000	92	749835	100.0	98.0	
94 Tetrachloroethene	166	7.690	7.690	0.000	95	958512	100.0	99.6	
95 1,3-Dichloropropane	76	7.722	7.725	-0.003	91	1564394	100.0	97.4	
96 2-Hexanone	43	7.786	7.786	0.000	95	5257840	500.0	451.2	
98 Chlorodibromomethane	129	7.963	7.963	0.000	90	1037181	100.0	107.4	
101 Ethylene Dibromide	107	8.085	8.088	-0.003	98	1018010	100.0	101.3	
103 Chlorobenzene	112	8.564	8.564	0.000	96	2605320	100.0	97.1	
105 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	93	939060	100.0	100.7	
104 Ethylbenzene	91	8.645	8.644	0.001	98	4369088	100.0	95.7	
106 m-Xylene & p-Xylene	106	8.760	8.763	-0.003	99	1736812	100.0	98.0	
107 o-Xylene	106	9.188	9.188	0.000	97	1685683	100.0	97.6	
109 Styrene	104	9.207	9.207	0.000	95	2852488	100.0	99.4	
110 Bromoform	173	9.448	9.448	0.000	95	721558	100.0	112.5	
111 Isopropylbenzene	105	9.564	9.564	0.000	96	4022222	100.0	98.1	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.924	0.000	96	1419831	100.0	99.1	
113 Bromobenzene	156	9.940	9.943	-0.003	96	1059373	100.0	100.4	
116 1,2,3-Trichloropropane	110	9.976	9.976	0.000	84	480587	100.0	97.2	
115 trans-1,4-Dichloro-2-butene	53	9.979	9.979	0.000	77	532860	100.0	109.8	
114 N-Propylbenzene	91	10.008	10.008	0.000	98	5100808	100.0	96.3	
117 2-Chlorotoluene	126	10.130	10.130	0.000	96	1010960	100.0	98.2	
118 1,3,5-Trimethylbenzene	105	10.188	10.188	0.000	94	3608940	100.0	97.1	
119 4-Chlorotoluene	91	10.239	10.239	0.000	97	3499852	100.0	100.5	
120 tert-Butylbenzene	134	10.519	10.519	0.000	92	809374	100.0	99.9	
121 1,2,4-Trimethylbenzene	105	10.574	10.570	0.004	98	3741722	100.0	96.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.731	10.734	-0.003	94	4658189	100.0	94.9	
123 4-Isopropyltoluene	119	10.866	10.866	0.000	97	4014941	100.0	96.6	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	97	2011837	100.0	97.6	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	94	2049720	100.0	96.3	
127 n-Butylbenzene	91	11.249	11.246	0.003	98	3658820	100.0	94.6	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	97	1964041	100.0	97.0	
129 1,2-Dibromo-3-Chloropropane	75	11.992	11.992	0.000	85	352583	100.0	94.9	
130 1,2,4-Trichlorobenzene	180	12.645	12.644	0.001	94	1369233	100.0	98.7	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	96	527434	100.0	109.6	
132 Naphthalene	128	12.850	12.850	0.000	97	4714613	100.0	97.5	
133 1,2,3-Trichlorobenzene	180	13.046	13.046	0.000	96	1290781	100.0	97.5	
S 144 1,3-Dichloropropene, Total	1				0			210.8	
S 143 Xylenes, Total	1				0			195.6	
S 142 Total BTEX	1				0			484.9	
S 141 1,2-Dichloroethene, Total	1				0			202.1	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

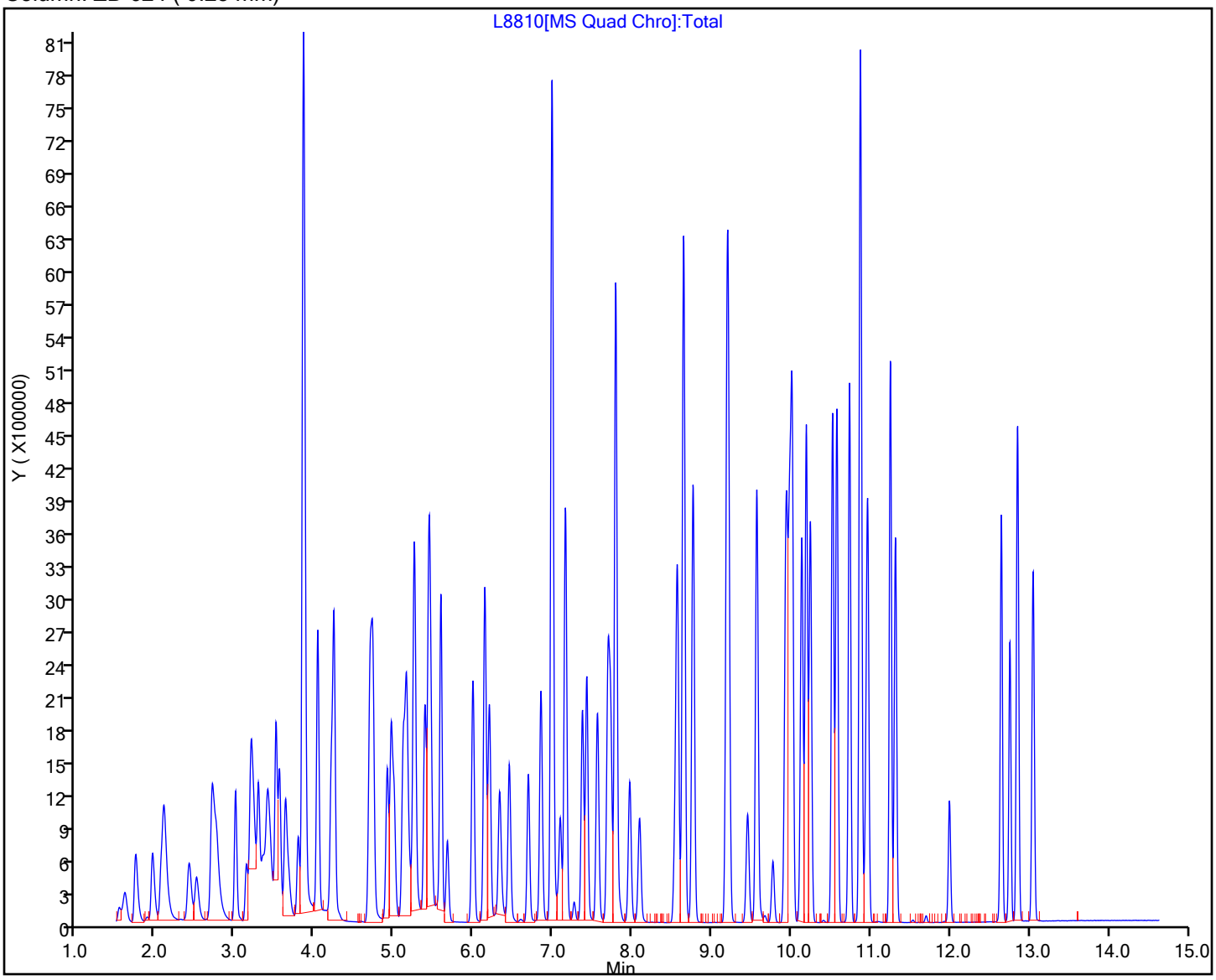
Reagents:

8260 CORP mix_00259	Amount Added: 50.00	Units: uL	
GAS CORP mix_00642	Amount Added: 50.00	Units: uL	
L_8260_IS_00059	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:03:18 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8810.D
Injection Date: 25-Sep-2024 00:23:01 Instrument ID: HP5977L
Lims ID: IC 7
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

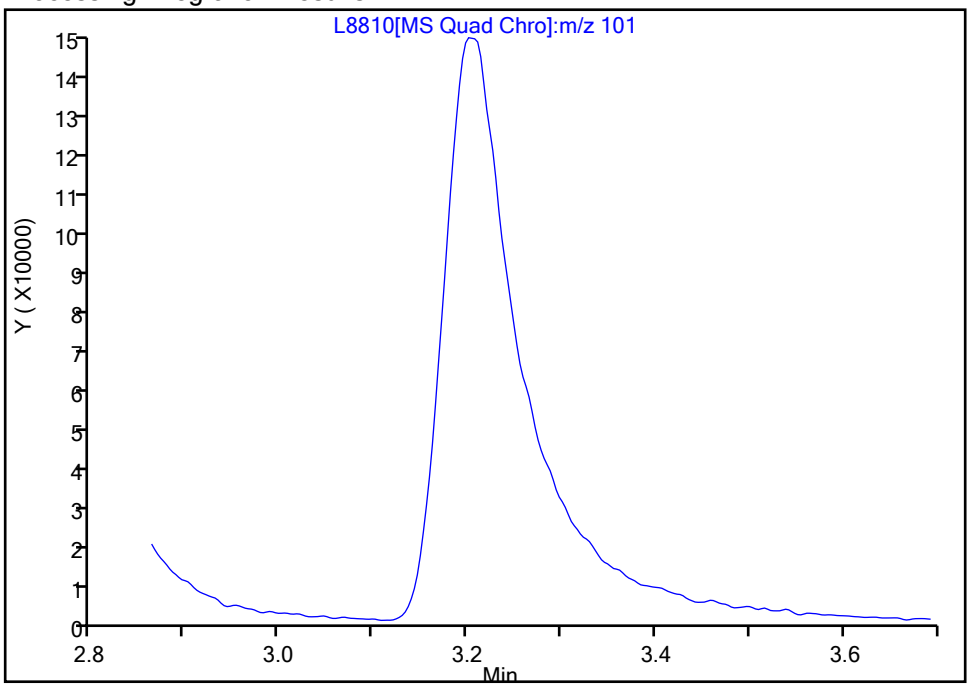
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8810.D
Injection Date: 25-Sep-2024 00:23:01 Instrument ID: HP5977L
Lims ID: IC 7
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

29 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

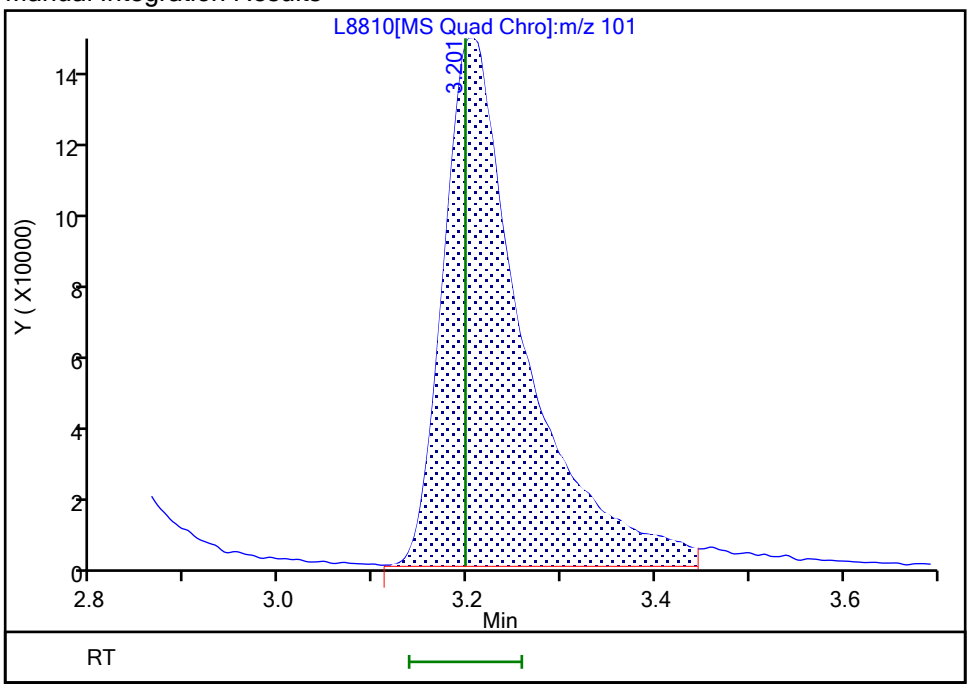
Not Detected
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.20
Area: 857603
Amount: 106.8752
Amount Units: ug/L



Reviewer: WLL8, 26-Sep-2024 11:23:40 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

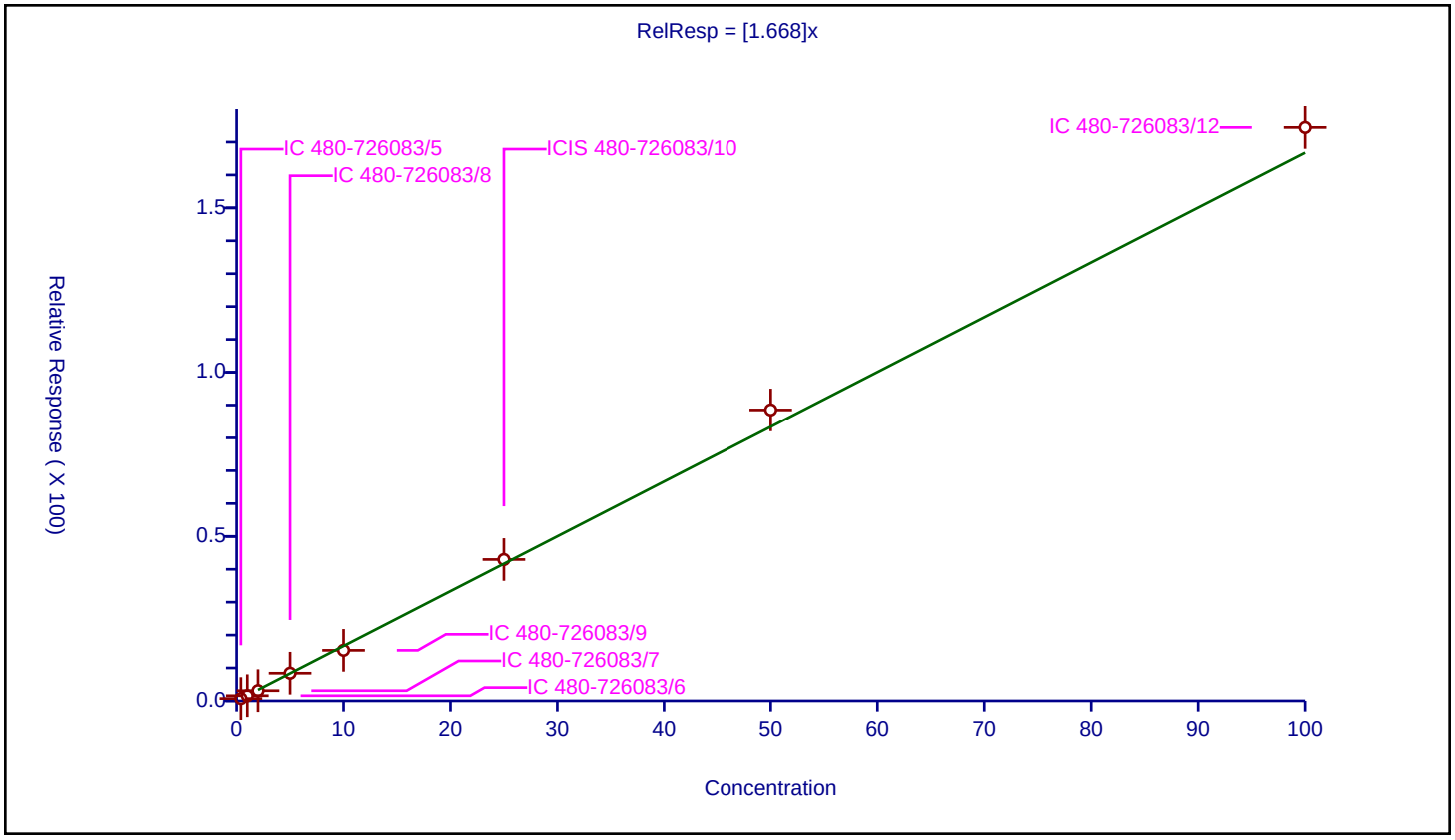
Curve Coefficients

Intercept:	0
Slope:	1.668

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.704863	25.0	175495.0	1.762158	Y
2	IC 480-726083/6	1.0	1.575093	25.0	178053.0	1.575093	Y
3	IC 480-726083/7	2.0	3.107216	25.0	179405.0	1.553608	Y
4	IC 480-726083/8	5.0	8.403675	25.0	174742.0	1.680735	Y
5	IC 480-726083/9	10.0	15.362311	25.0	178645.0	1.536231	Y
6	ICIS 480-726083/10	25.0	42.975814	25.0	169646.0	1.719033	Y
7	IC 480-726083/11	50.0	88.51132	25.0	169741.0	1.770226	Y
8	IC 480-726083/12	100.0	174.437742	25.0	164871.0	1.744377	Y



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Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

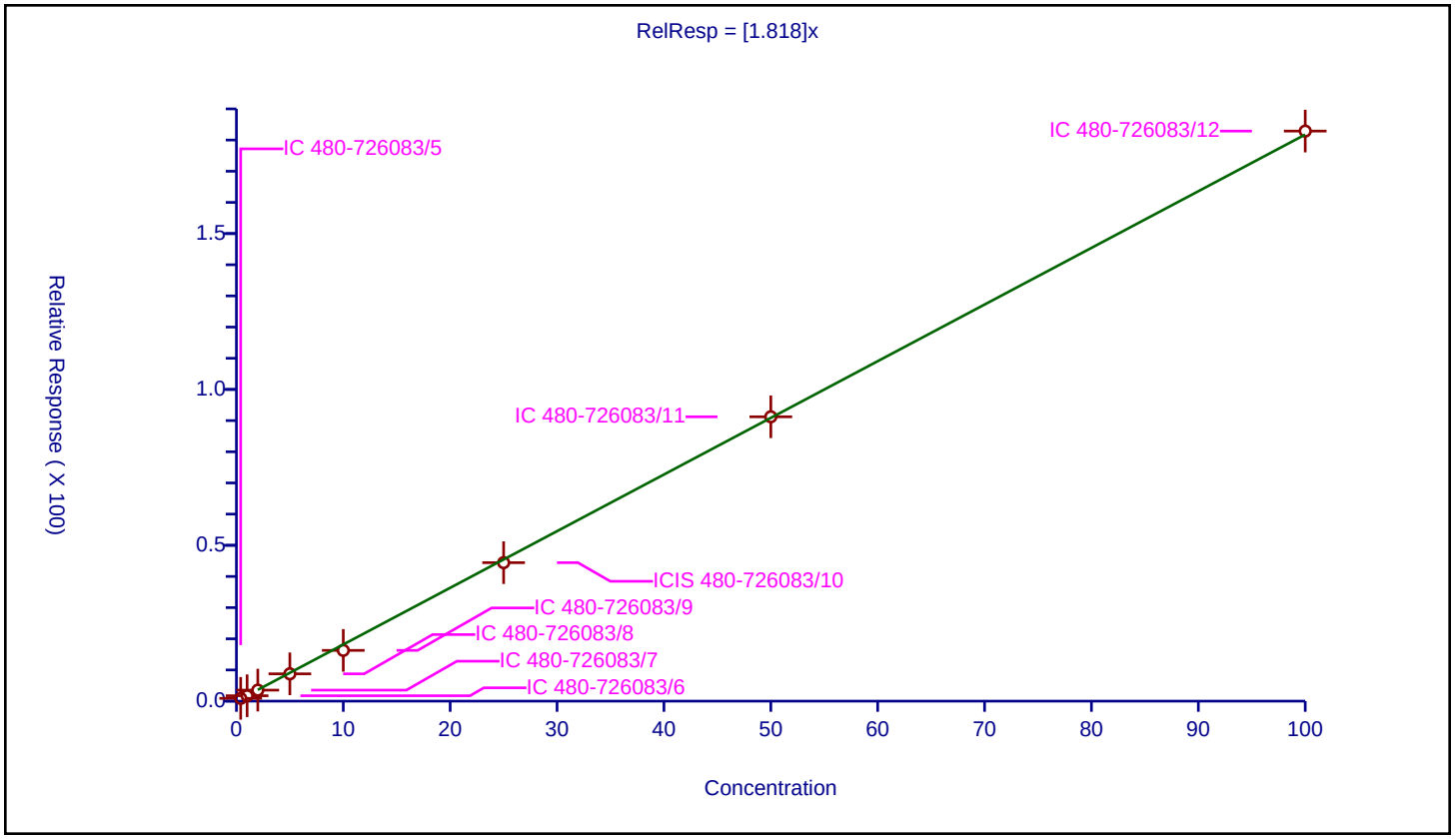
Curve Coefficients

Intercept:	0
Slope:	1.818

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.891763	25.0	175495.0	2.229408	Y
2	IC 480-726083/6	1.0	1.734034	25.0	178053.0	1.734034	Y
3	IC 480-726083/7	2.0	3.531395	25.0	179405.0	1.765698	Y
4	IC 480-726083/8	5.0	8.764779	25.0	174742.0	1.752956	Y
5	IC 480-726083/9	10.0	16.283551	25.0	178645.0	1.628355	Y
6	ICIS 480-726083/10	25.0	44.424272	25.0	169646.0	1.776971	Y
7	IC 480-726083/11	50.0	91.222215	25.0	169741.0	1.824444	Y
8	IC 480-726083/12	100.0	182.879797	25.0	164871.0	1.828798	Y



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Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

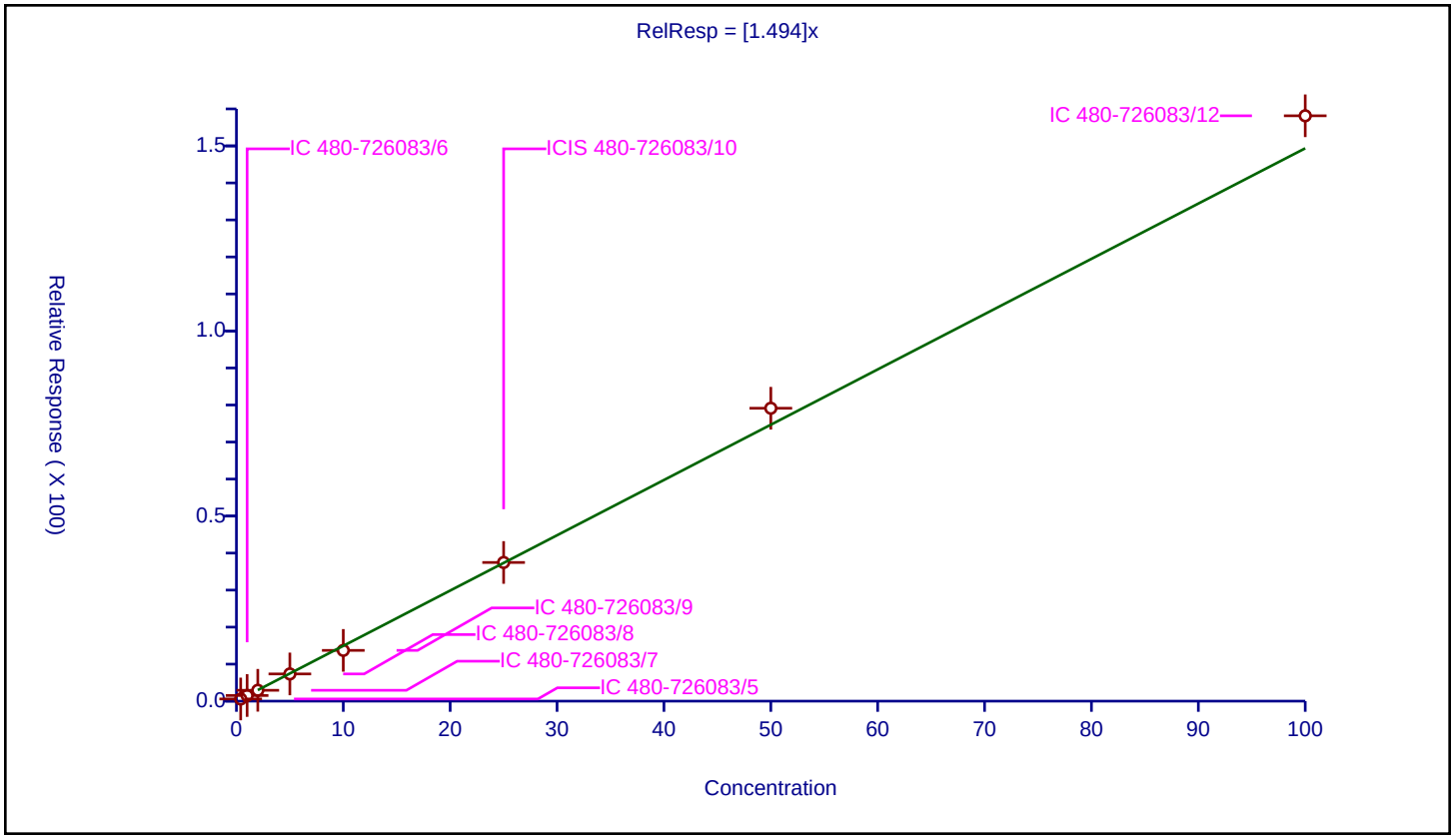
Curve Coefficients

Intercept:	0
Slope:	1.494

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.584347	25.0	175495.0	1.460868	Y
2	IC 480-726083/6	1.0	1.519211	25.0	178053.0	1.519211	Y
3	IC 480-726083/7	2.0	2.930102	25.0	179405.0	1.465051	Y
4	IC 480-726083/8	5.0	7.348119	25.0	174742.0	1.469624	Y
5	IC 480-726083/9	10.0	13.710151	25.0	178645.0	1.371015	Y
6	ICIS 480-726083/10	25.0	37.463453	25.0	169646.0	1.498538	Y
7	IC 480-726083/11	50.0	79.130116	25.0	169741.0	1.582602	Y
8	IC 480-726083/12	100.0	158.133783	25.0	164871.0	1.581338	Y



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Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

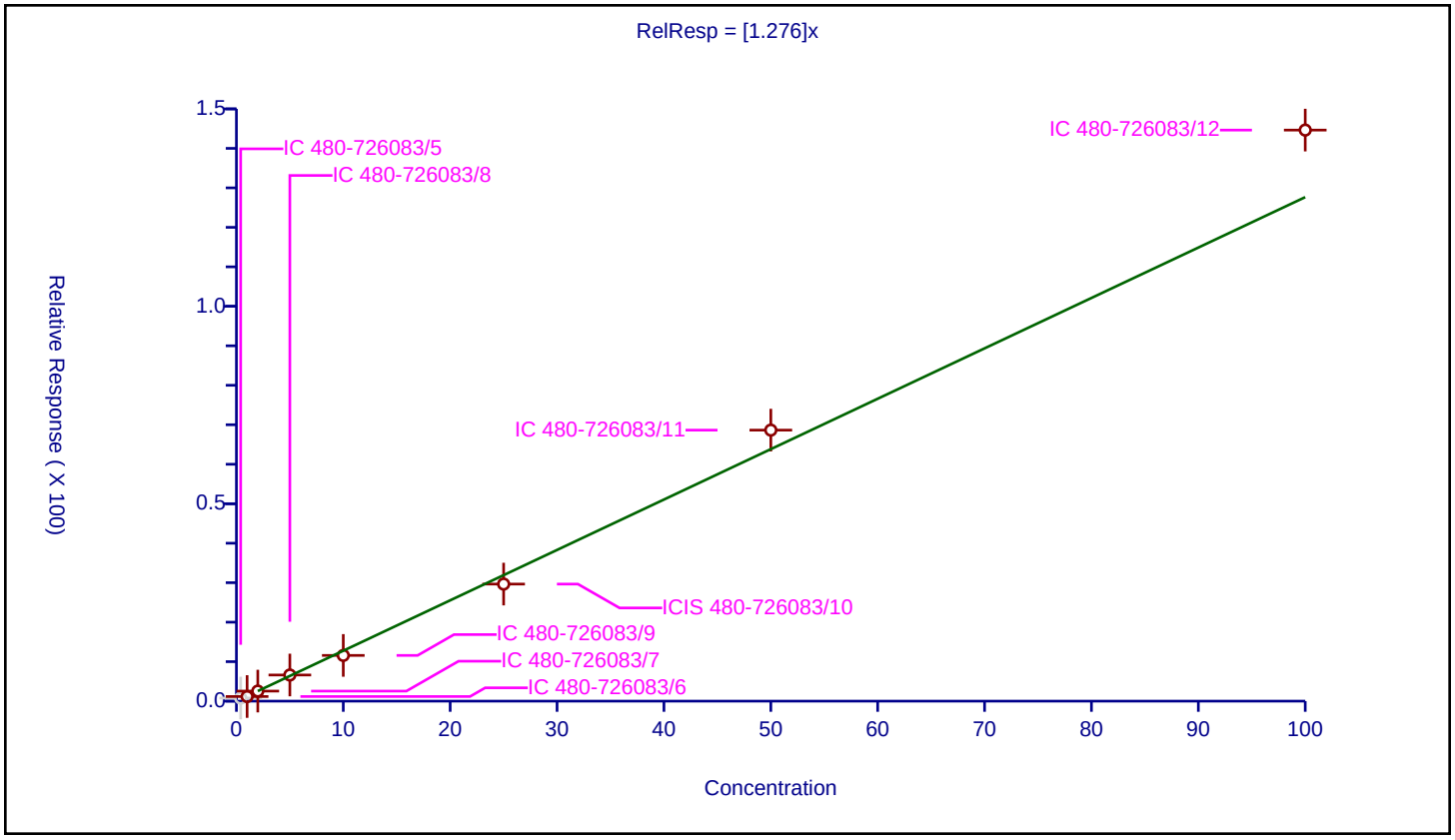
Curve Coefficients

Intercept:	0
Slope:	1.276

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.786632	25.0	175495.0	1.96658	N
2	IC 480-726083/6	1.0	1.172825	25.0	178053.0	1.172825	Y
3	IC 480-726083/7	2.0	2.549678	25.0	179405.0	1.274839	Y
4	IC 480-726083/8	5.0	6.619616	25.0	174742.0	1.323923	Y
5	IC 480-726083/9	10.0	11.580229	25.0	178645.0	1.158023	Y
6	ICIS 480-726083/10	25.0	29.65263	25.0	169646.0	1.186105	Y
7	IC 480-726083/11	50.0	68.643109	25.0	169741.0	1.372862	Y
8	IC 480-726083/12	100.0	144.632774	25.0	164871.0	1.446328	Y



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Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

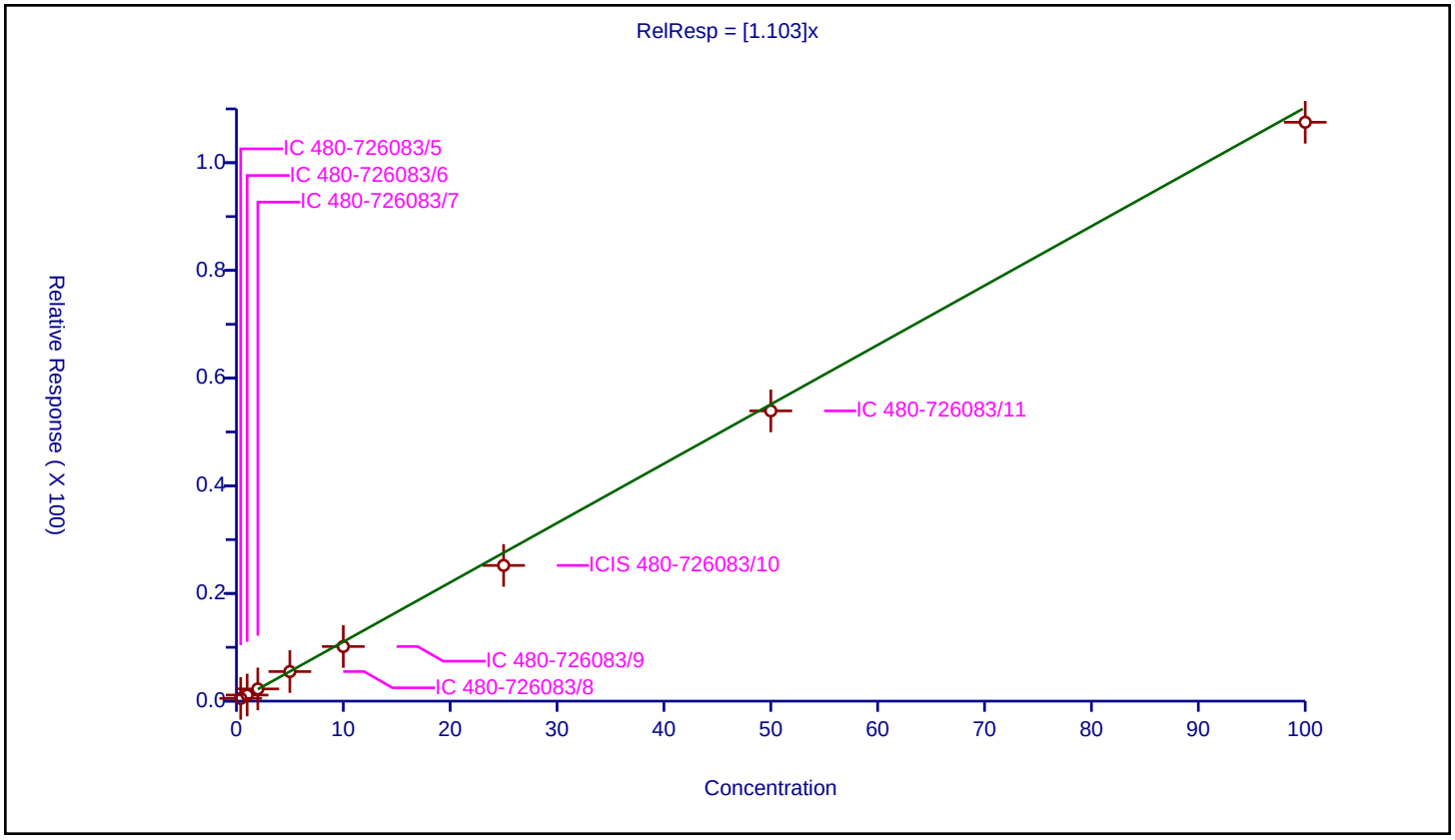
Curve Coefficients

Intercept:	0
Slope:	1.103

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.513262	25.0	175495.0	1.283156	Y
2	IC 480-726083/6	1.0	1.128456	25.0	178053.0	1.128456	Y
3	IC 480-726083/7	2.0	2.267635	25.0	179405.0	1.133817	Y
4	IC 480-726083/8	5.0	5.491811	25.0	174742.0	1.098362	Y
5	IC 480-726083/9	10.0	10.148059	25.0	178645.0	1.014806	Y
6	ICIS 480-726083/10	25.0	25.206607	25.0	169646.0	1.008264	Y
7	IC 480-726083/11	50.0	53.911106	25.0	169741.0	1.078222	Y
8	IC 480-726083/12	100.0	107.522396	25.0	164871.0	1.075224	Y



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Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

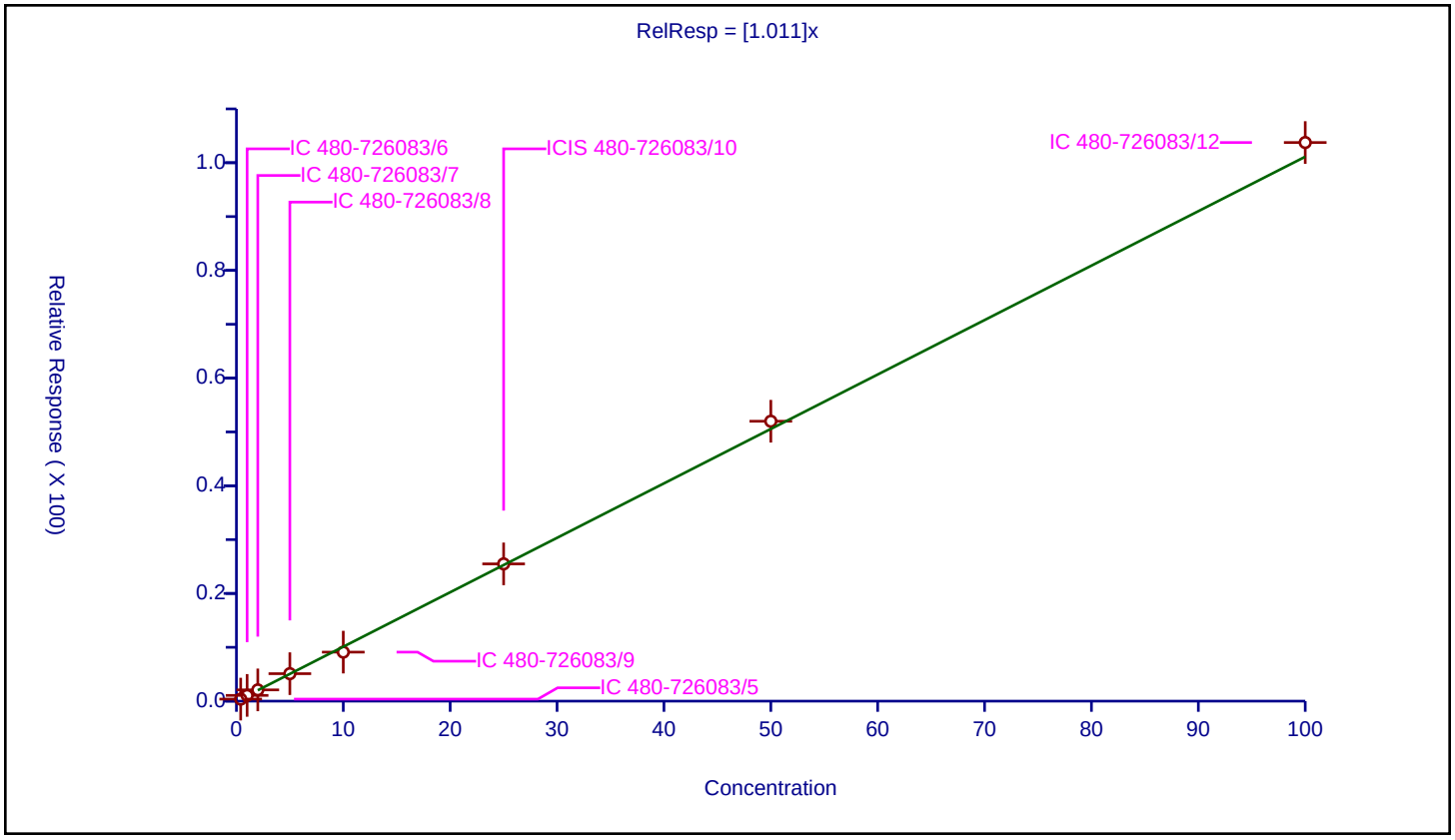
Curve Coefficients

Intercept:	0
Slope:	1.011

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.380353	25.0	175495.0	0.950882	Y
2	IC 480-726083/6	1.0	1.06443	25.0	178053.0	1.06443	Y
3	IC 480-726083/7	2.0	2.091358	25.0	179405.0	1.045679	Y
4	IC 480-726083/8	5.0	5.101235	25.0	174742.0	1.020247	Y
5	IC 480-726083/9	10.0	9.107028	25.0	178645.0	0.910703	Y
6	ICIS 480-726083/10	25.0	25.493822	25.0	169646.0	1.019753	Y
7	IC 480-726083/11	50.0	51.987587	25.0	169741.0	1.039752	Y
8	IC 480-726083/12	100.0	103.751418	25.0	164871.0	1.037514	Y



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Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

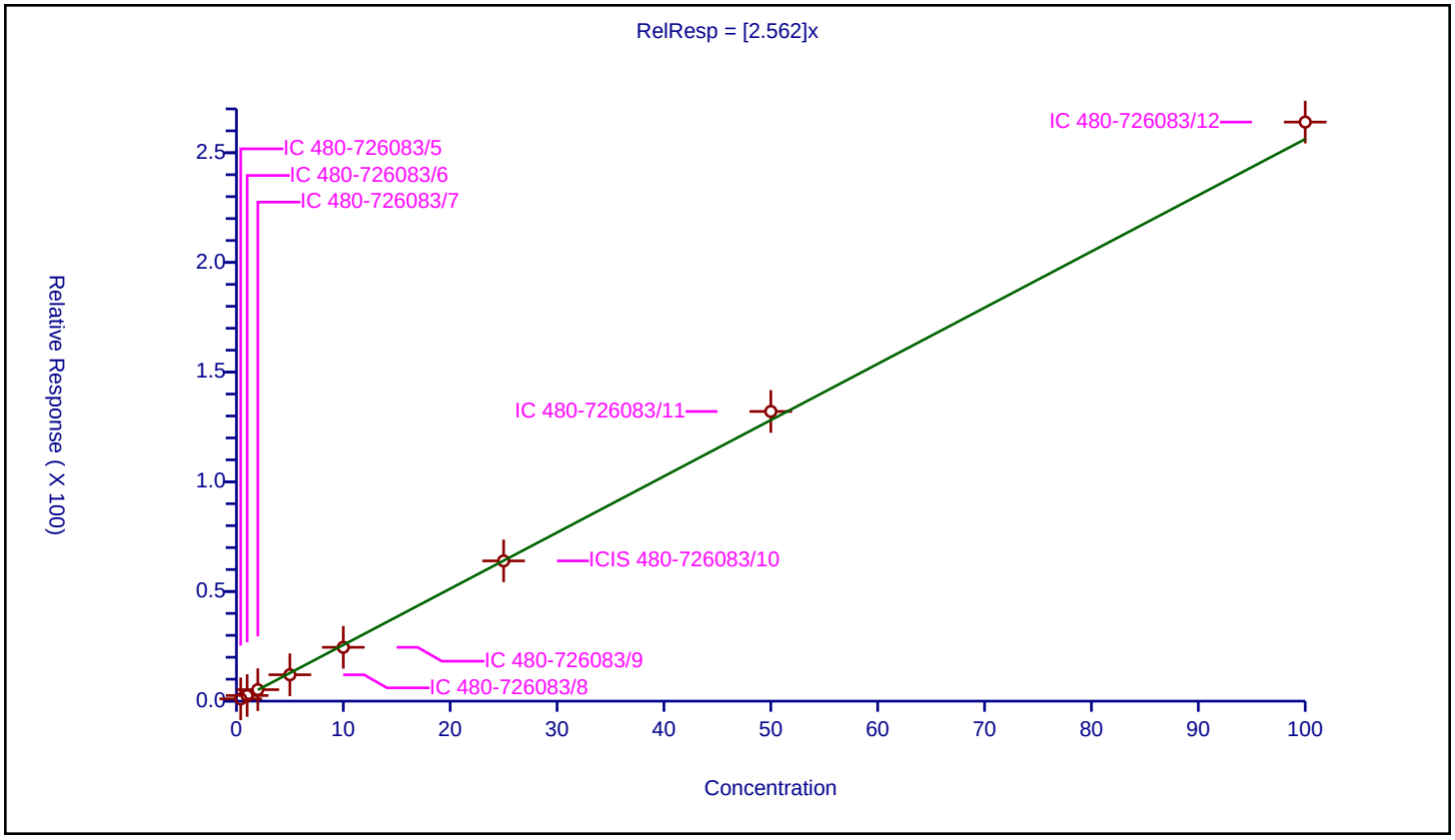
Curve Coefficients

Intercept:	0
Slope:	2.562

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.043477	25.0	175495.0	2.608693	Y
2	IC 480-726083/6	1.0	2.56946	25.0	178053.0	2.56946	Y
3	IC 480-726083/7	2.0	5.245116	25.0	179405.0	2.622558	Y
4	IC 480-726083/8	5.0	12.02201	25.0	174742.0	2.404402	Y
5	IC 480-726083/9	10.0	24.551065	25.0	178645.0	2.455106	Y
6	ICIS 480-726083/10	25.0	63.929595	25.0	169646.0	2.557184	Y
7	IC 480-726083/11	50.0	132.06223	25.0	169741.0	2.641245	Y
8	IC 480-726083/12	100.0	263.986086	25.0	164871.0	2.639861	Y



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Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

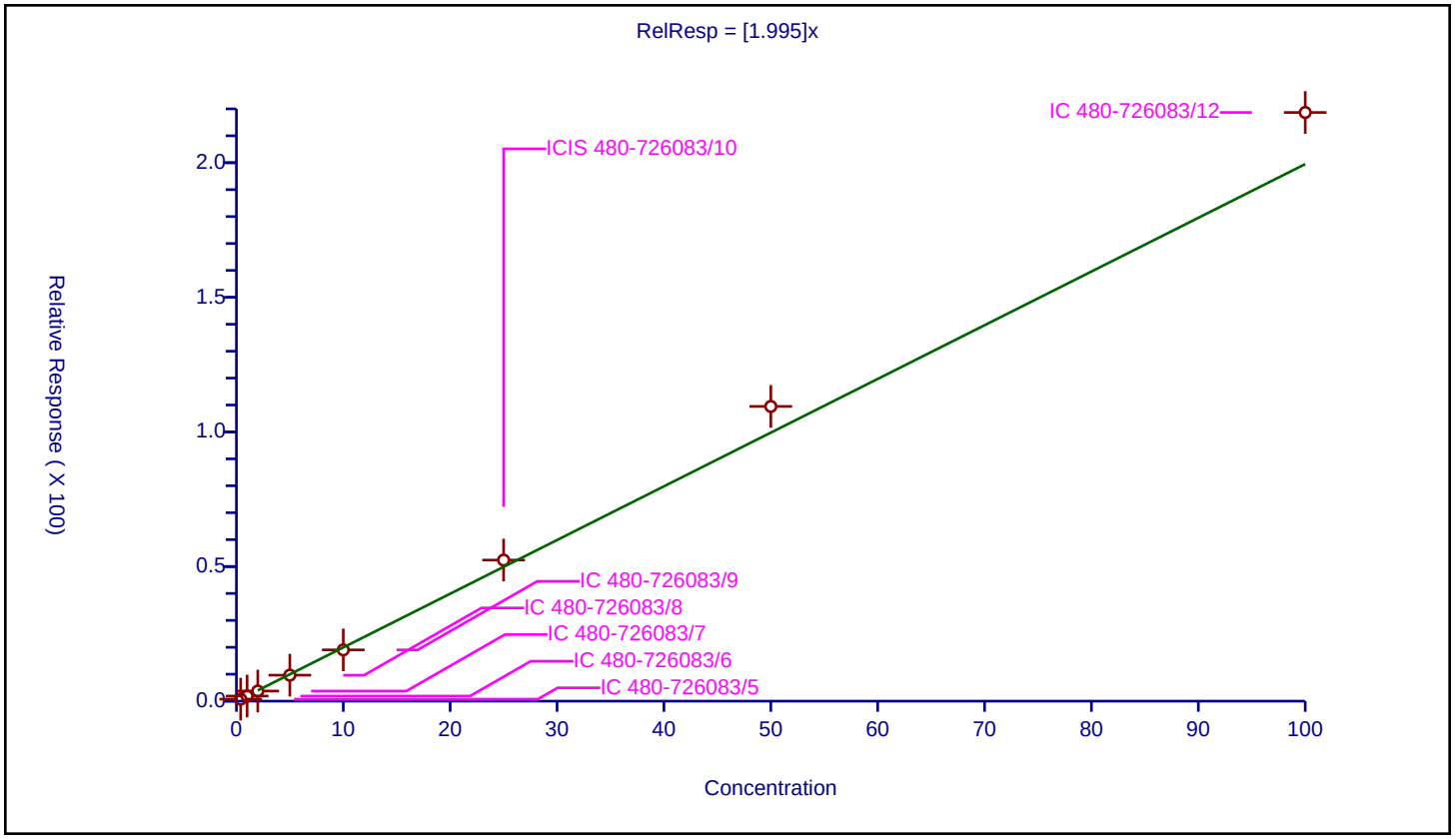
Curve Coefficients

Intercept:	0
Slope:	1.995

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.750021	25.0	175495.0	1.875053	Y
2	IC 480-726083/6	1.0	1.89789	25.0	178053.0	1.89789	Y
3	IC 480-726083/7	2.0	3.759093	25.0	179405.0	1.879546	Y
4	IC 480-726083/8	5.0	9.649798	25.0	174742.0	1.92996	Y
5	IC 480-726083/9	10.0	19.038036	25.0	178645.0	1.903804	Y
6	ICIS 480-726083/10	25.0	52.405155	25.0	169646.0	2.096206	Y
7	IC 480-726083/11	50.0	109.476202	25.0	169741.0	2.189524	Y
8	IC 480-726083/12	100.0	218.661863	25.0	164871.0	2.186619	Y



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Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

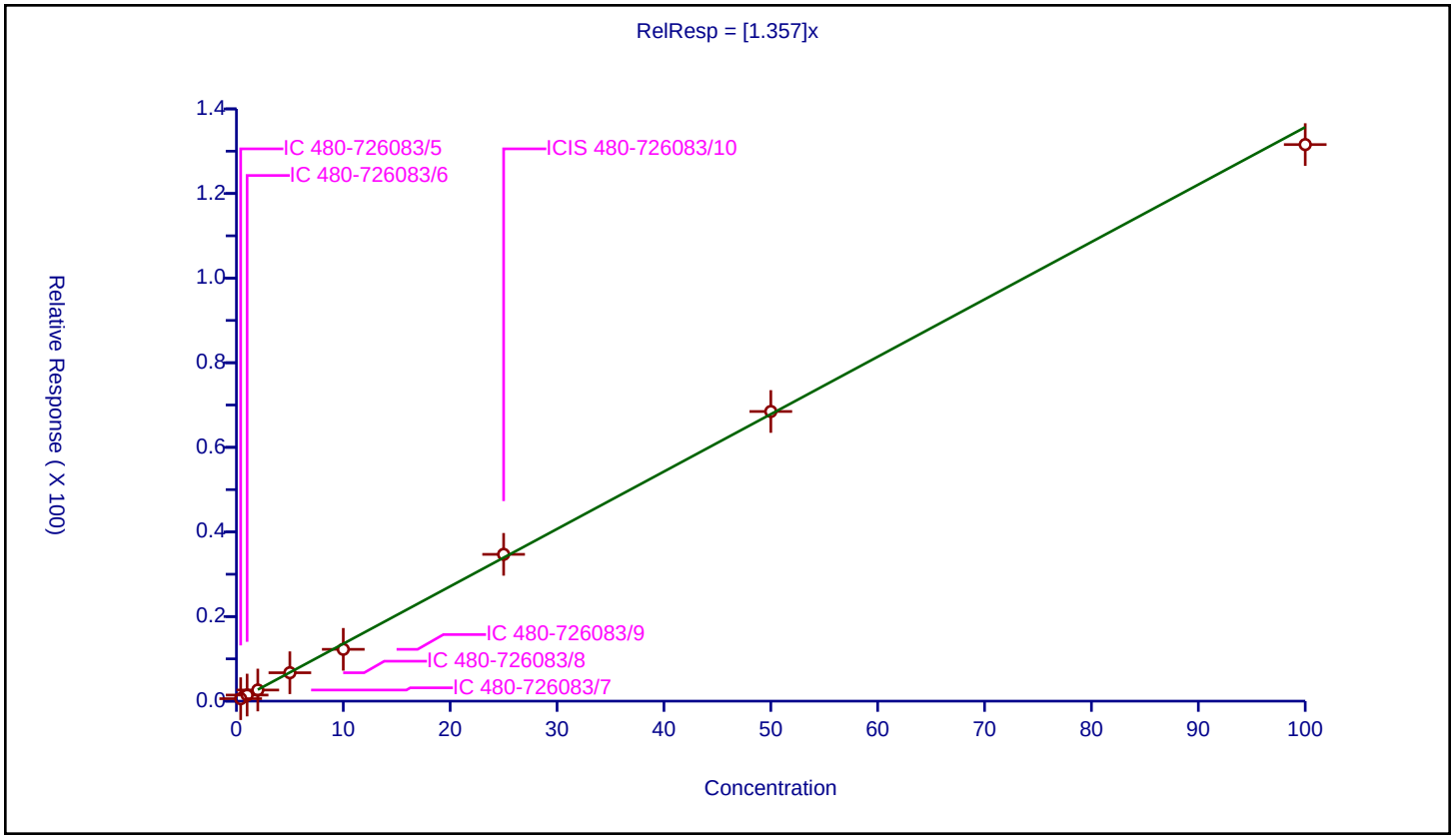
Curve Coefficients

Intercept:	0
Slope:	1.357

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.585344	25.0	175495.0	1.463361	Y
2	IC 480-726083/6	1.0	1.436651	25.0	178053.0	1.436651	Y
3	IC 480-726083/7	2.0	2.62646	25.0	179405.0	1.31323	Y
4	IC 480-726083/8	5.0	6.716044	25.0	174742.0	1.343209	Y
5	IC 480-726083/9	10.0	12.246355	25.0	178645.0	1.224635	Y
6	ICIS 480-726083/10	25.0	34.699315	25.0	169646.0	1.387973	Y
7	IC 480-726083/11	50.0	68.472997	25.0	169741.0	1.36946	Y
8	IC 480-726083/12	100.0	131.561948	25.0	164871.0	1.315619	Y



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Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

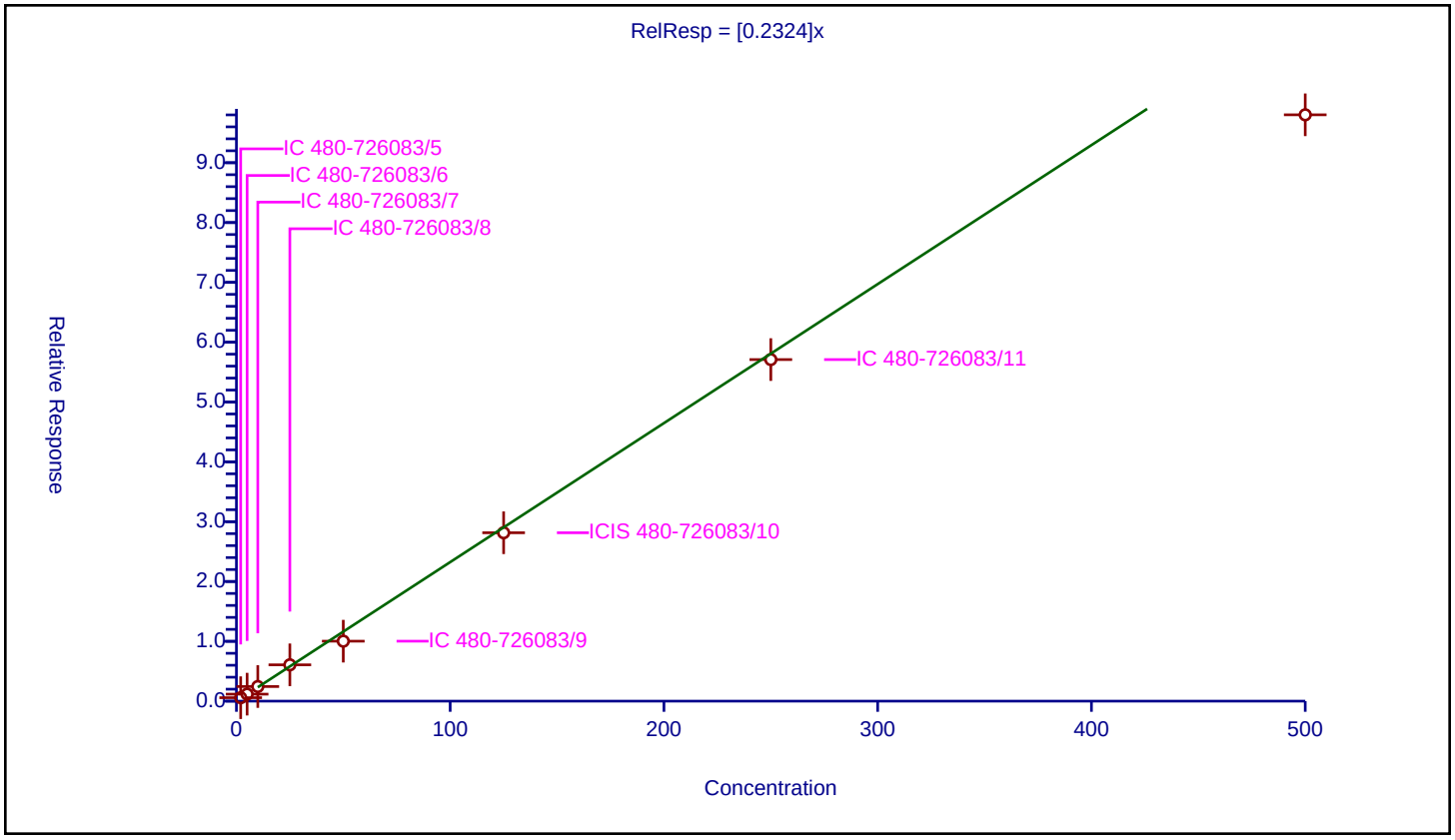
Curve Coefficients

Intercept:	0
Slope:	0.2324

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	2.0	0.575942	25.0	175495.0	0.287971	Y
2	IC 480-726083/6	5.0	1.170157	25.0	178053.0	0.234031	Y
3	IC 480-726083/7	10.0	2.44001	25.0	179405.0	0.244001	Y
4	IC 480-726083/8	25.0	6.070807	25.0	174742.0	0.242832	Y
5	IC 480-726083/9	50.0	10.02435	25.0	178645.0	0.200487	Y
6	ICIS 480-726083/10	125.0	28.147436	25.0	169646.0	0.225179	Y
7	IC 480-726083/11	250.0	57.096547	25.0	169741.0	0.228386	Y
8	IC 480-726083/12	500.0	98.011021	25.0	164871.0	0.196022	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

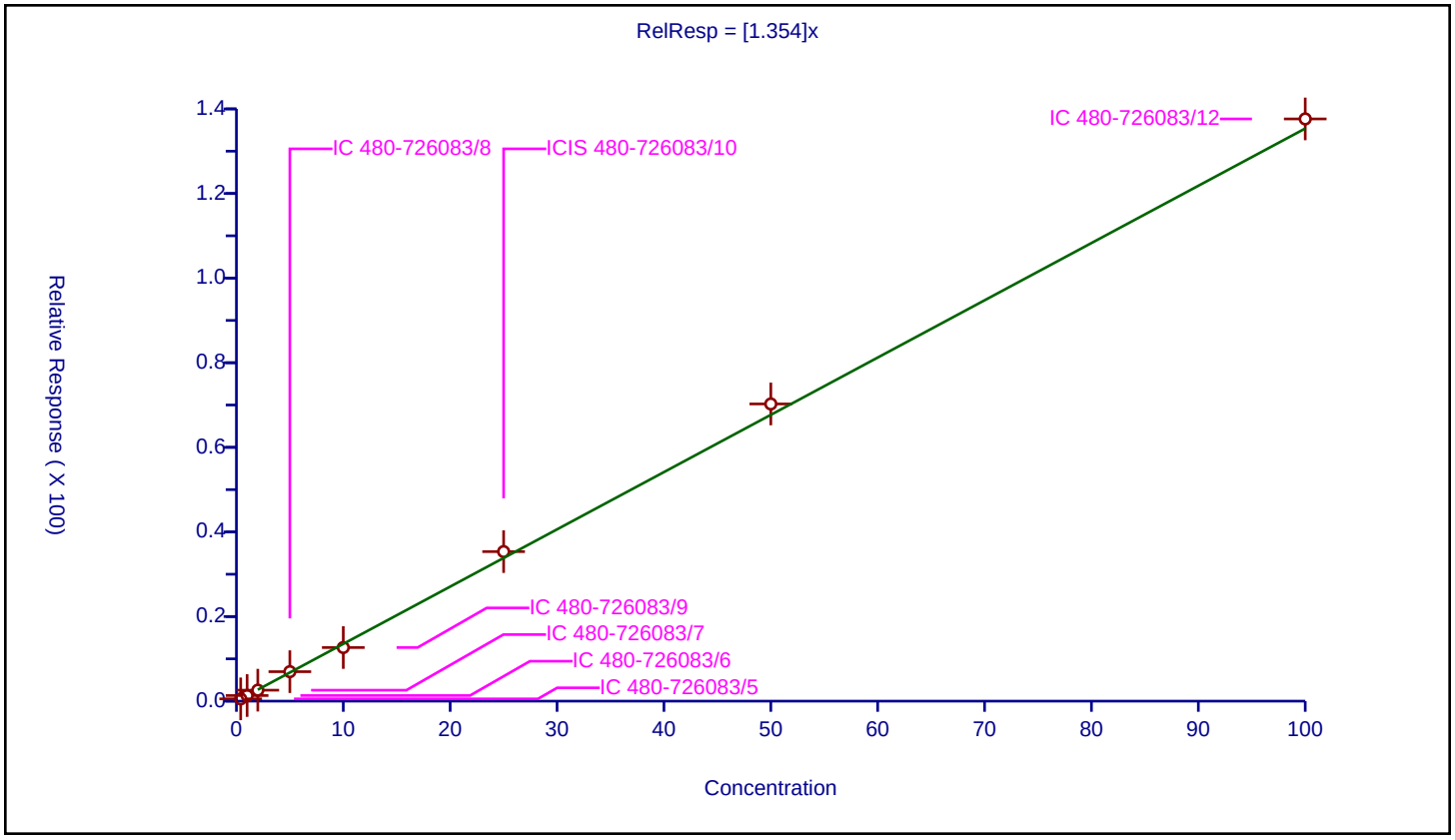
Curve Coefficients

Intercept:	0
Slope:	1.354

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.540186	25.0	175495.0	1.350466	Y
2	IC 480-726083/6	1.0	1.327133	25.0	178053.0	1.327133	Y
3	IC 480-726083/7	2.0	2.590368	25.0	179405.0	1.295184	Y
4	IC 480-726083/8	5.0	6.967987	25.0	174742.0	1.393597	Y
5	IC 480-726083/9	10.0	12.672059	25.0	178645.0	1.267206	Y
6	ICIS 480-726083/10	25.0	35.345514	25.0	169646.0	1.413821	Y
7	IC 480-726083/11	50.0	70.252915	25.0	169741.0	1.405058	Y
8	IC 480-726083/12	100.0	137.62851	25.0	164871.0	1.376285	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

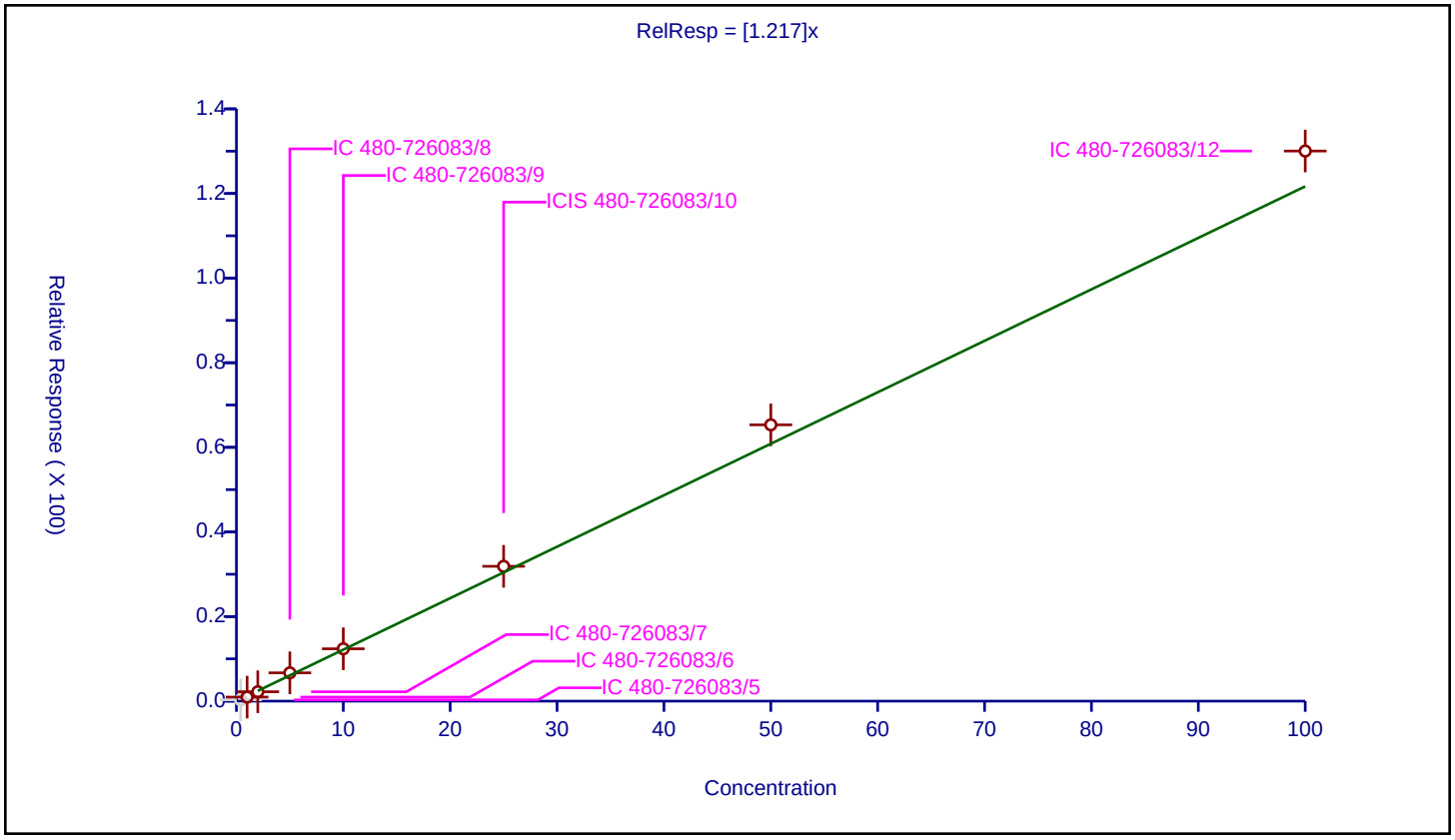
Curve Coefficients

Intercept:	0
Slope:	1.217

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.301433	25.0	175495.0	0.753583	N
2	IC 480-726083/6	1.0	0.951823	25.0	178053.0	0.951823	Y
3	IC 480-726083/7	2.0	2.216911	25.0	179405.0	1.108456	Y
4	IC 480-726083/8	5.0	6.68929	25.0	174742.0	1.337858	Y
5	IC 480-726083/9	10.0	12.373842	25.0	178645.0	1.237384	Y
6	ICIS 480-726083/10	25.0	31.874904	25.0	169646.0	1.274996	Y
7	IC 480-726083/11	50.0	65.319369	25.0	169741.0	1.306387	Y
8	IC 480-726083/12	100.0	130.041517	25.0	164871.0	1.300415	Y



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Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

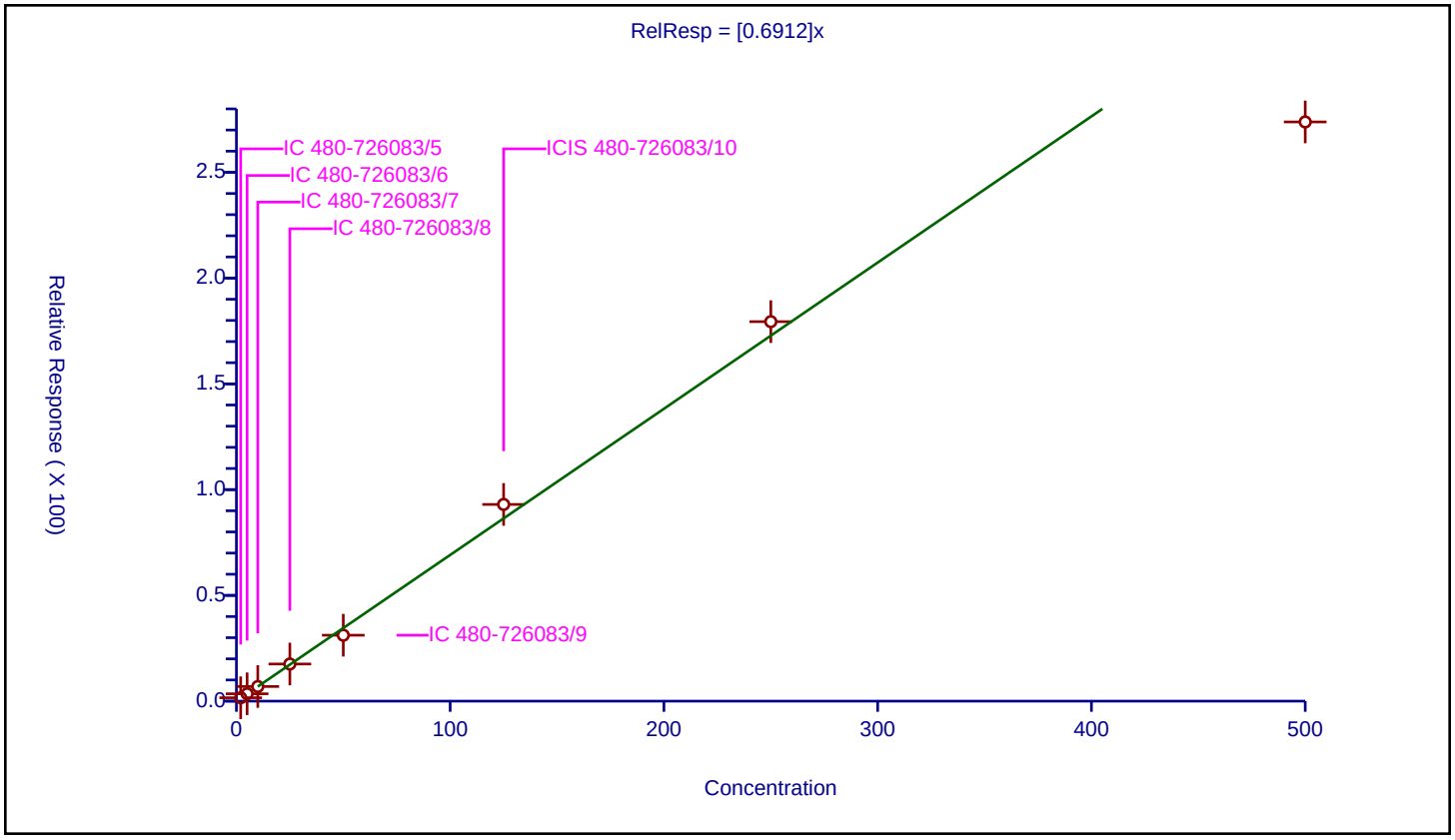
Curve Coefficients

Intercept:	0
Slope:	0.6912

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	2.0	1.610445	25.0	175495.0	0.805222	Y
2	IC 480-726083/6	5.0	3.483935	25.0	178053.0	0.696787	Y
3	IC 480-726083/7	10.0	6.919958	25.0	179405.0	0.691996	Y
4	IC 480-726083/8	25.0	17.56418	25.0	174742.0	0.702567	Y
5	IC 480-726083/9	50.0	31.169778	25.0	178645.0	0.623396	Y
6	ICIS 480-726083/10	125.0	92.997035	25.0	169646.0	0.743976	Y
7	IC 480-726083/11	250.0	179.415109	25.0	169741.0	0.71766	Y
8	IC 480-726083/12	500.0	273.824384	25.0	164871.0	0.547649	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

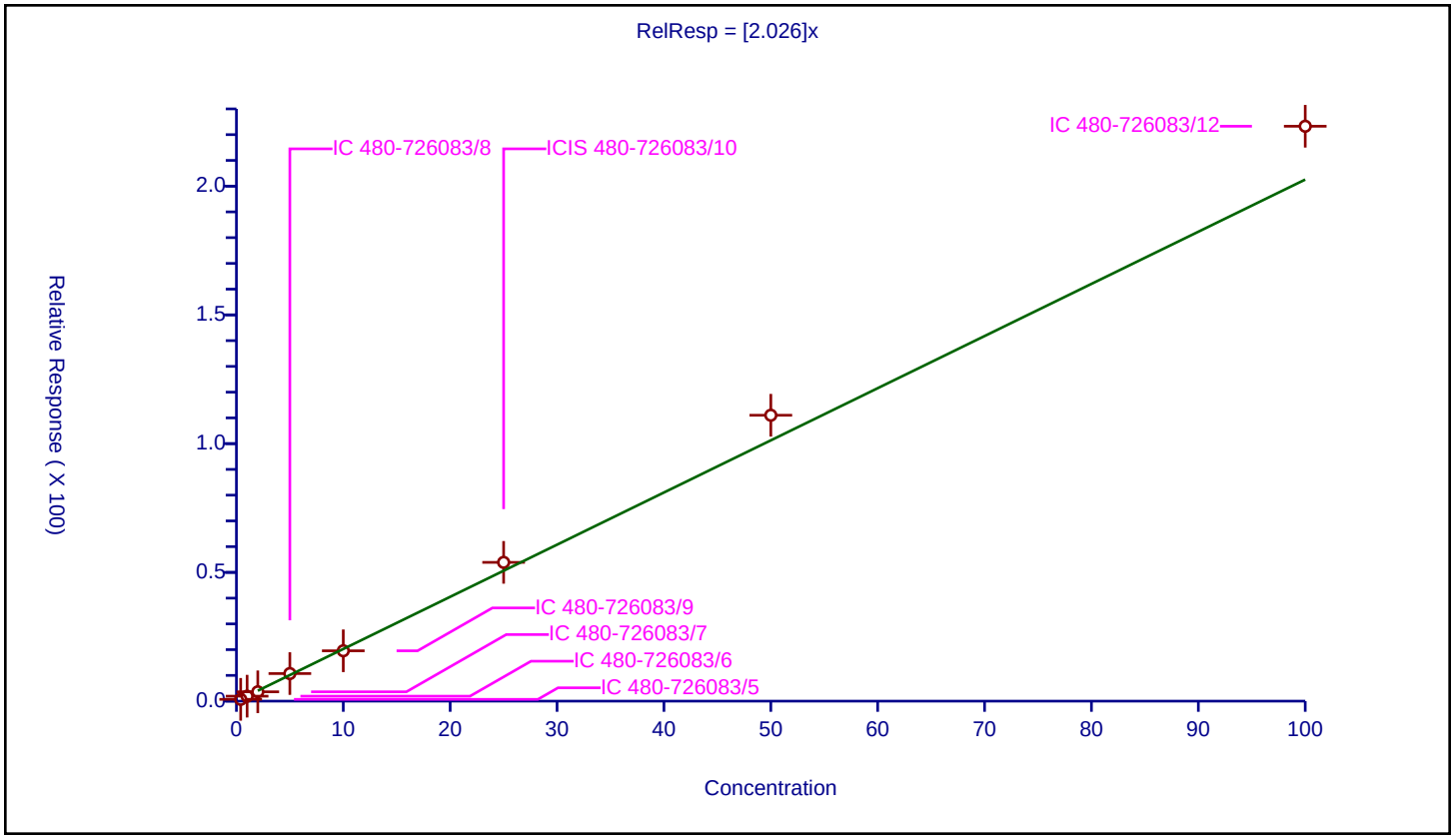
Curve Coefficients

Intercept:	0
Slope:	2.026

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.70002	25.0	175495.0	1.75005	Y
2	IC 480-726083/6	1.0	1.932711	25.0	178053.0	1.932711	Y
3	IC 480-726083/7	2.0	3.629498	25.0	179405.0	1.814749	Y
4	IC 480-726083/8	5.0	10.713652	25.0	174742.0	2.14273	Y
5	IC 480-726083/9	10.0	19.549246	25.0	178645.0	1.954925	Y
6	ICIS 480-726083/10	25.0	53.896938	25.0	169646.0	2.155878	Y
7	IC 480-726083/11	50.0	111.027242	25.0	169741.0	2.220545	Y
8	IC 480-726083/12	100.0	223.251209	25.0	164871.0	2.232512	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

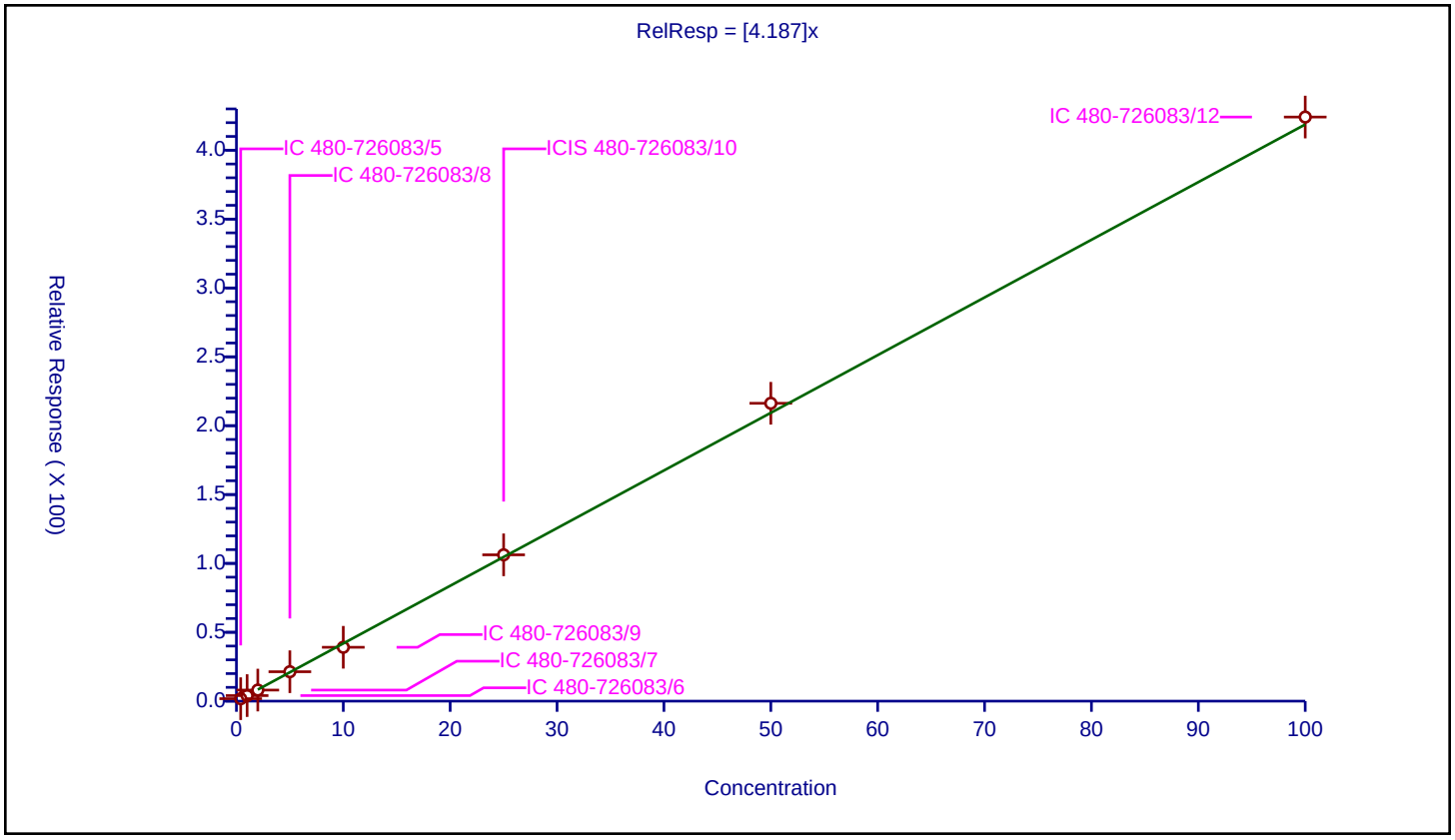
Curve Coefficients

Intercept:	0
Slope:	4.187

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.784809	25.0	175495.0	4.462022	Y
2	IC 480-726083/6	1.0	4.022257	25.0	178053.0	4.022257	Y
3	IC 480-726083/7	2.0	8.030016	25.0	179405.0	4.015008	Y
4	IC 480-726083/8	5.0	21.353624	25.0	174742.0	4.270725	Y
5	IC 480-726083/9	10.0	39.10073	25.0	178645.0	3.910073	Y
6	ICIS 480-726083/10	25.0	106.227527	25.0	169646.0	4.249101	Y
7	IC 480-726083/11	50.0	216.262276	25.0	169741.0	4.325246	Y
8	IC 480-726083/12	100.0	424.083071	25.0	164871.0	4.240831	Y



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Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

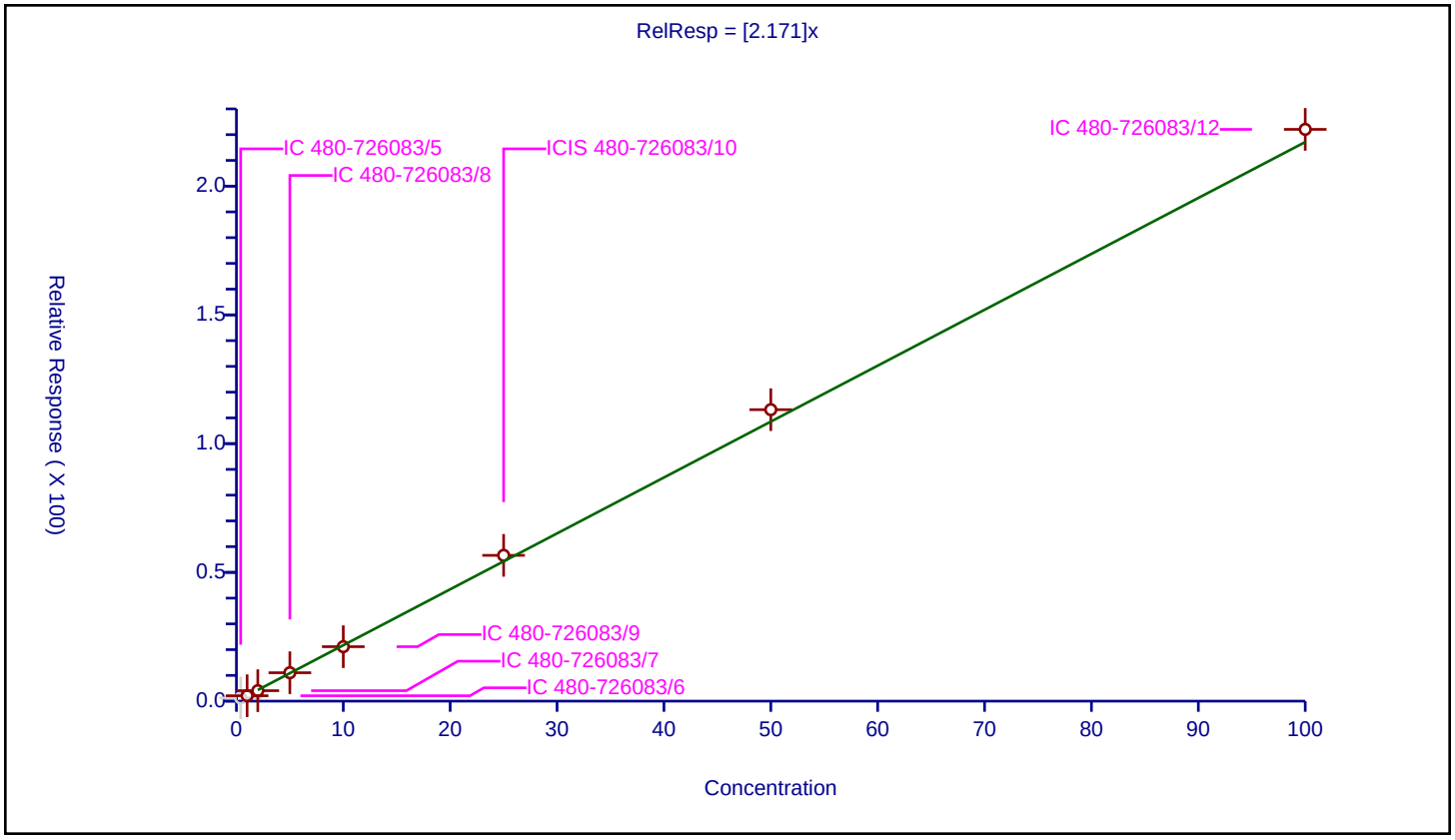
Curve Coefficients

Intercept:	0
Slope:	2.171

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.227243	25.0	175495.0	3.068107	N
2	IC 480-726083/6	1.0	2.09783	25.0	178053.0	2.09783	Y
3	IC 480-726083/7	2.0	4.060784	25.0	179405.0	2.030392	Y
4	IC 480-726083/8	5.0	11.035126	25.0	174742.0	2.207025	Y
5	IC 480-726083/9	10.0	21.143329	25.0	178645.0	2.114333	Y
6	ICIS 480-726083/10	25.0	56.611267	25.0	169646.0	2.264451	Y
7	IC 480-726083/11	50.0	113.194809	25.0	169741.0	2.263896	Y
8	IC 480-726083/12	100.0	222.042081	25.0	164871.0	2.220421	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

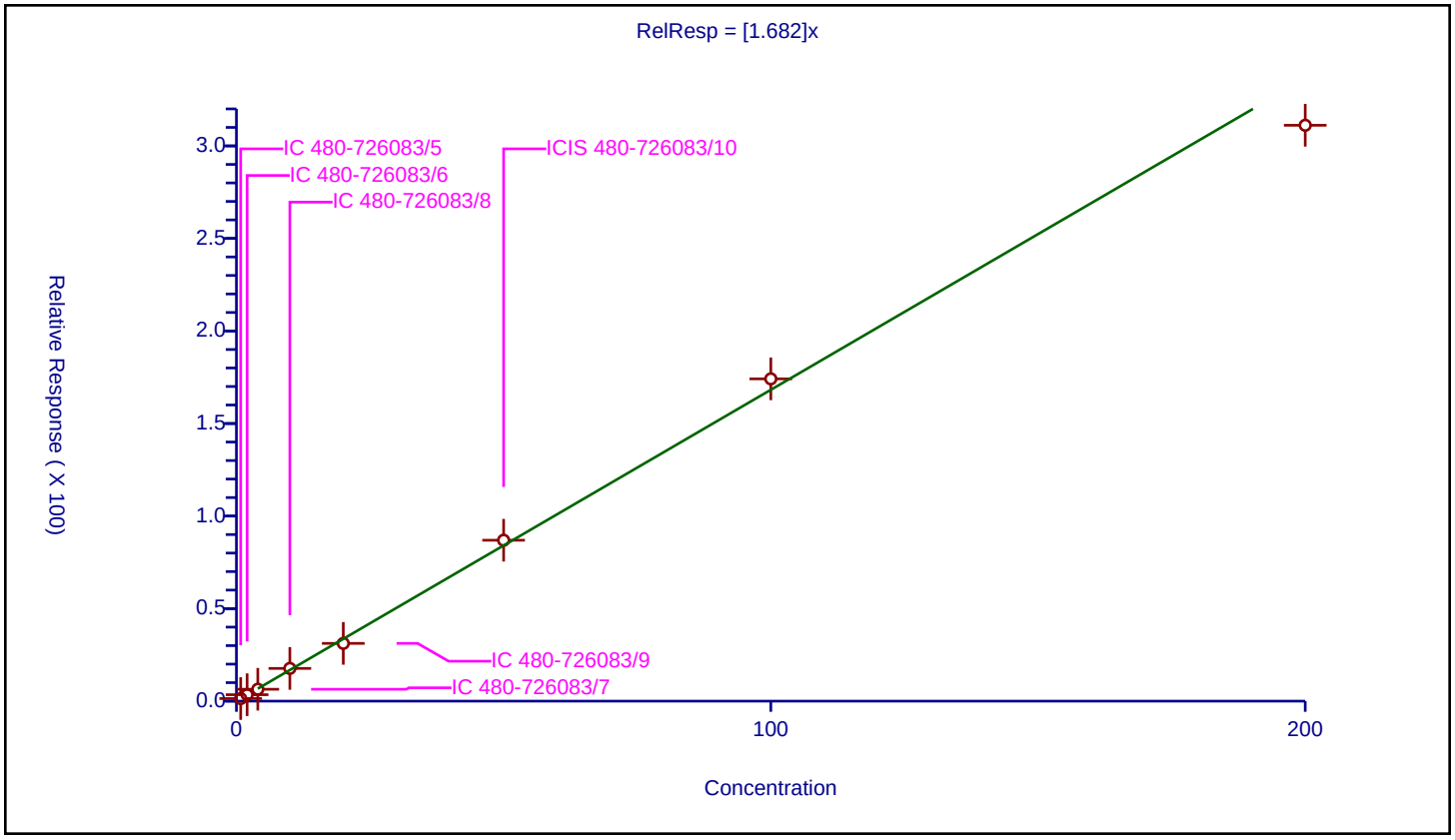
Curve Coefficients

Intercept:	0
Slope:	1.682

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.8	1.397333	25.0	175495.0	1.746667	Y
2	IC 480-726083/6	2.0	3.479863	25.0	178053.0	1.739931	Y
3	IC 480-726083/7	4.0	6.428054	25.0	179405.0	1.607013	Y
4	IC 480-726083/8	10.0	17.676918	25.0	174742.0	1.767692	Y
5	IC 480-726083/9	20.0	31.209942	25.0	178645.0	1.560497	Y
6	ICIS 480-726083/10	50.0	86.939126	25.0	169646.0	1.738783	Y
7	IC 480-726083/11	100.0	174.137362	25.0	169741.0	1.741374	Y
8	IC 480-726083/12	200.0	311.153569	25.0	164871.0	1.555768	Y



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Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

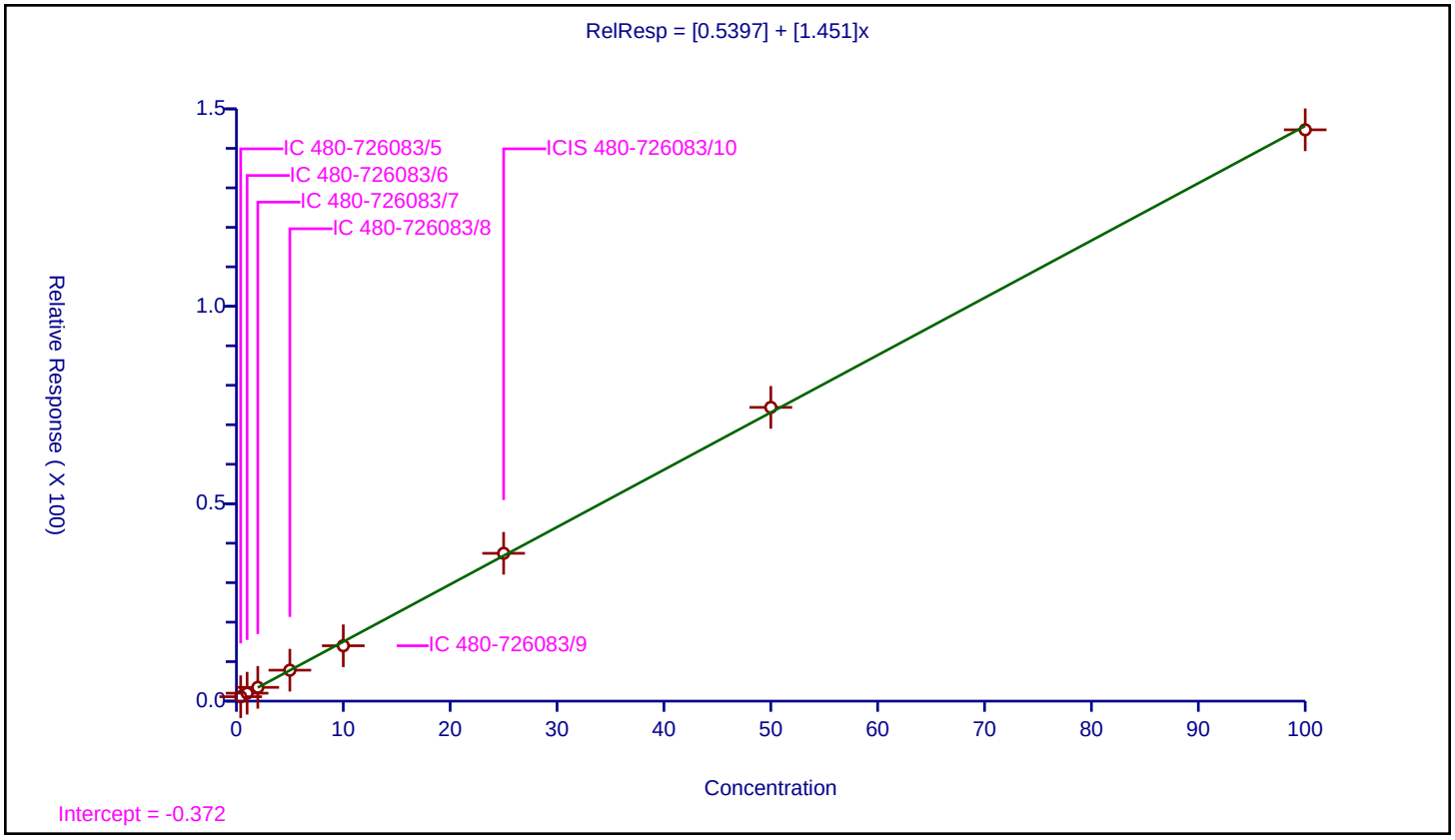
Curve Coefficients

Intercept:	0.5397
Slope:	1.451

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.123821	25.0	175495.0	2.809553	Y
2	IC 480-726083/6	1.0	2.010356	25.0	178053.0	2.010356	Y
3	IC 480-726083/7	2.0	3.494189	25.0	179405.0	1.747095	Y
4	IC 480-726083/8	5.0	7.841131	25.0	174742.0	1.568226	Y
5	IC 480-726083/9	10.0	14.0281	25.0	178645.0	1.40281	Y
6	ICIS 480-726083/10	25.0	37.438549	25.0	169646.0	1.497542	Y
7	IC 480-726083/11	50.0	74.398495	25.0	169741.0	1.48797	Y
8	IC 480-726083/12	100.0	144.701312	25.0	164871.0	1.447013	Y



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Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

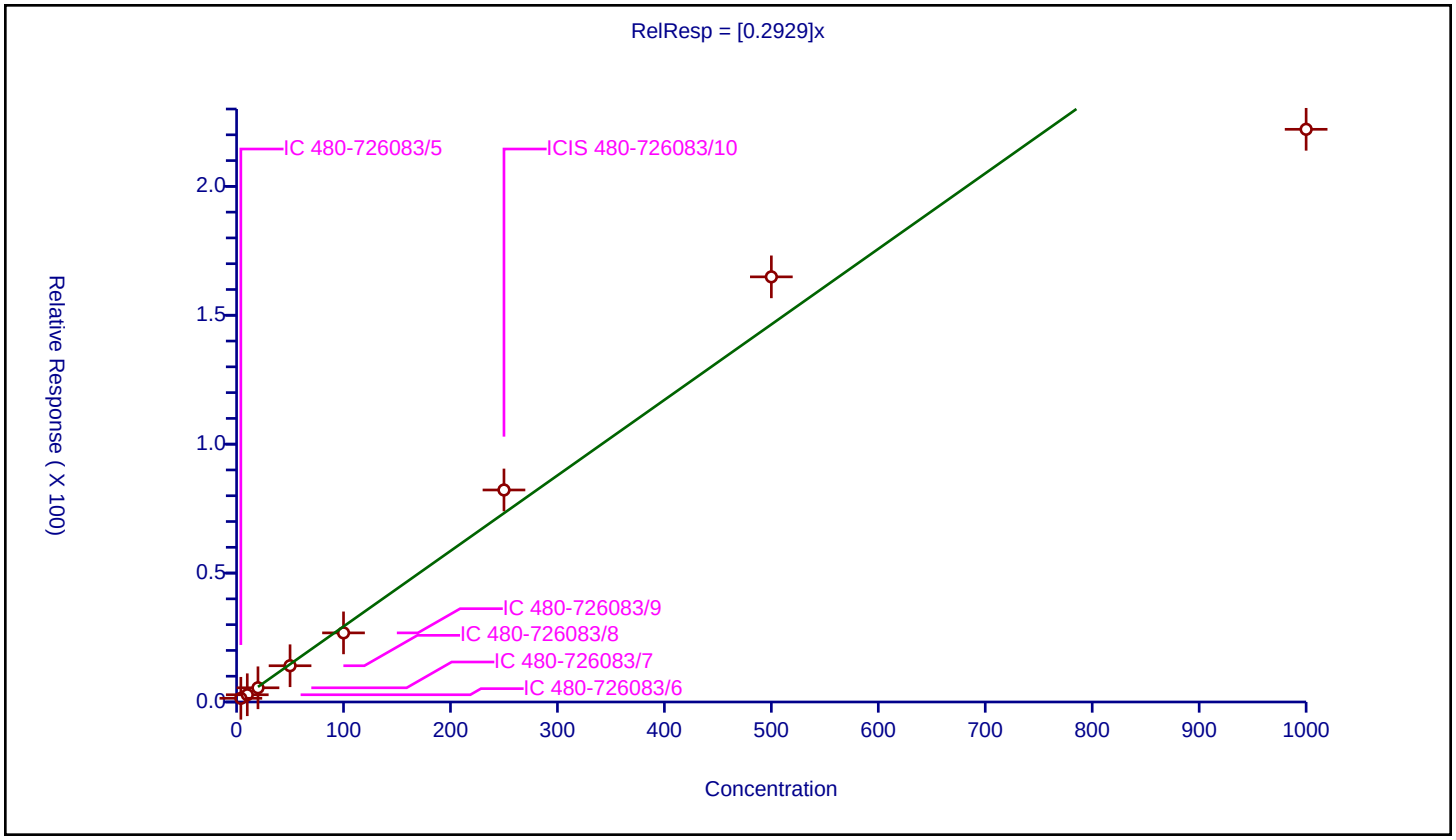
Curve Coefficients

Intercept:	0
Slope:	0.2929

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	4.0	1.427534	25.0	175495.0	0.356883	Y
2	IC 480-726083/6	10.0	2.808433	25.0	178053.0	0.280843	Y
3	IC 480-726083/7	20.0	5.505281	25.0	179405.0	0.275264	Y
4	IC 480-726083/8	50.0	14.066309	25.0	174742.0	0.281326	Y
5	IC 480-726083/9	100.0	26.801198	25.0	178645.0	0.268012	Y
6	ICIS 480-726083/10	250.0	82.23934	25.0	169646.0	0.328957	Y
7	IC 480-726083/11	500.0	164.897403	25.0	169741.0	0.329795	Y
8	IC 480-726083/12	1000.0	222.133517	25.0	164871.0	0.222134	Y



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Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

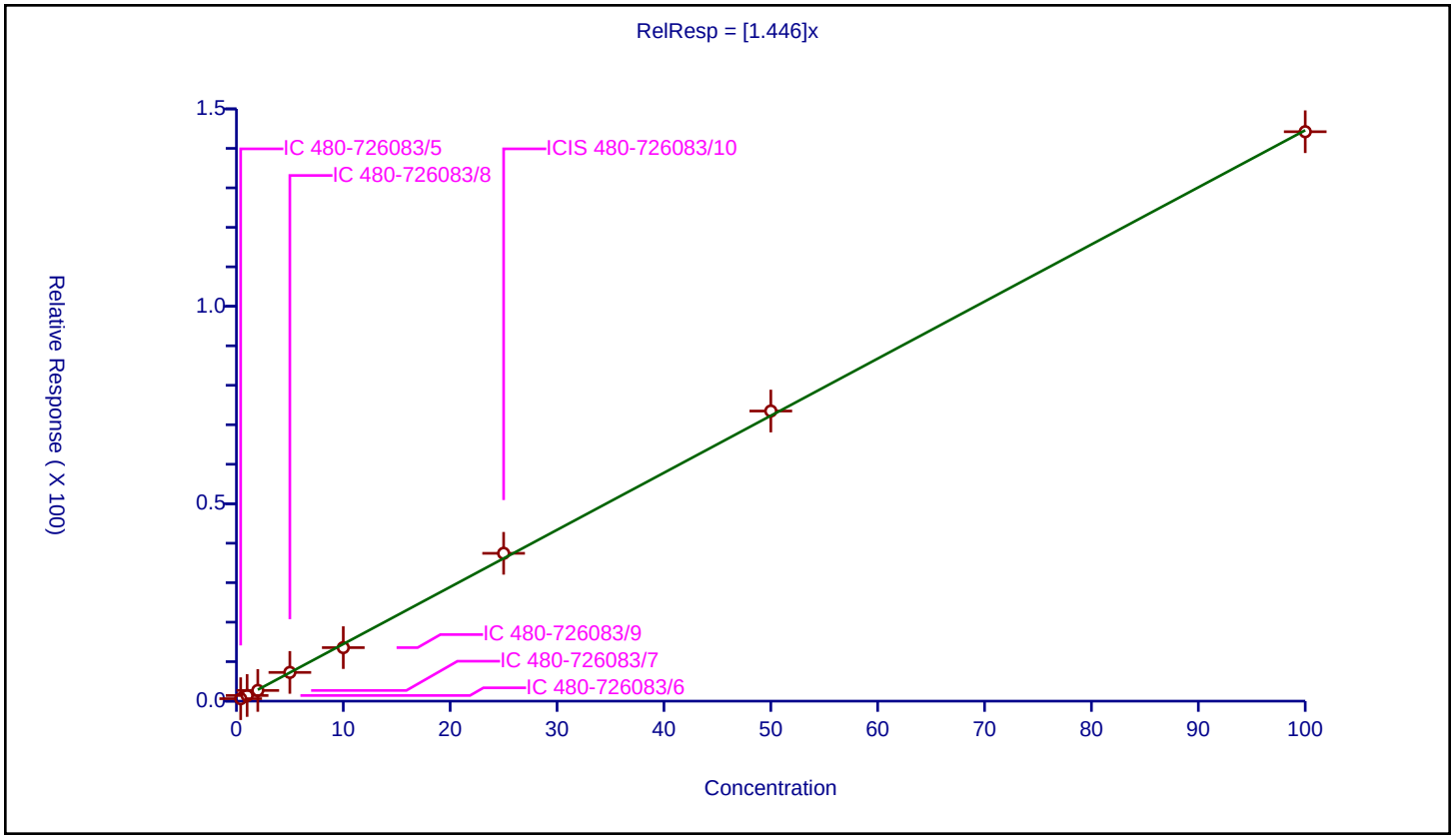
Curve Coefficients

Intercept:	0
Slope:	1.446

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.626941	25.0	175495.0	1.567352	Y
2	IC 480-726083/6	1.0	1.424857	25.0	178053.0	1.424857	Y
3	IC 480-726083/7	2.0	2.709512	25.0	179405.0	1.354756	Y
4	IC 480-726083/8	5.0	7.276442	25.0	174742.0	1.455288	Y
5	IC 480-726083/9	10.0	13.552157	25.0	178645.0	1.355216	Y
6	ICIS 480-726083/10	25.0	37.442822	25.0	169646.0	1.497713	Y
7	IC 480-726083/11	50.0	73.479743	25.0	169741.0	1.469595	Y
8	IC 480-726083/12	100.0	144.218207	25.0	164871.0	1.442182	Y



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Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

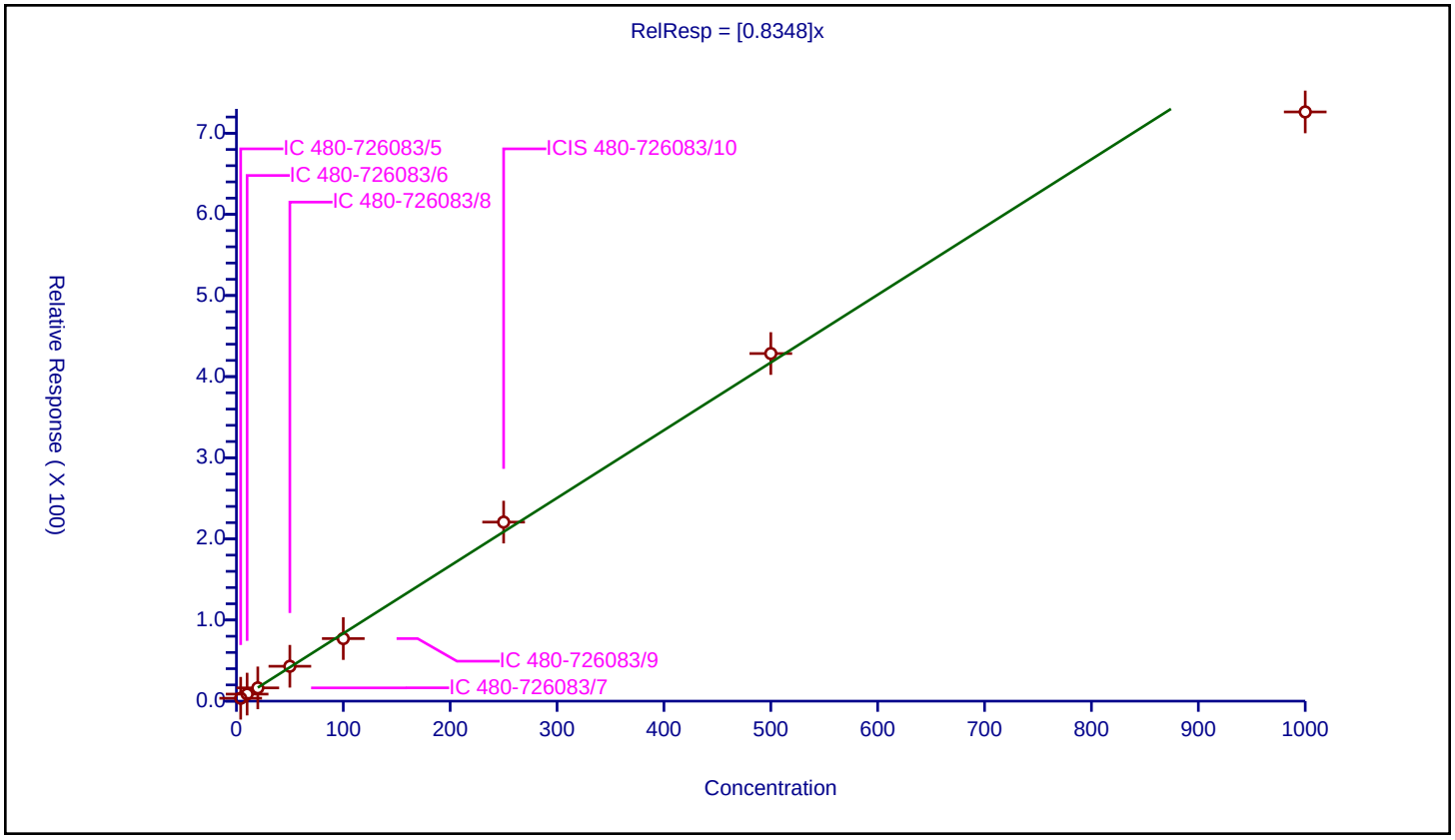
Curve Coefficients

Intercept:	0
Slope:	0.8348

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	4.0	3.577025	25.0	175495.0	0.894256	Y
2	IC 480-726083/6	10.0	8.699095	25.0	178053.0	0.86991	Y
3	IC 480-726083/7	20.0	16.348067	25.0	179405.0	0.817403	Y
4	IC 480-726083/8	50.0	43.00483	25.0	174742.0	0.860097	Y
5	IC 480-726083/9	100.0	77.096476	25.0	178645.0	0.770965	Y
6	ICIS 480-726083/10	250.0	220.683806	25.0	169646.0	0.882735	Y
7	IC 480-726083/11	500.0	428.480891	25.0	169741.0	0.856962	Y
8	IC 480-726083/12	1000.0	726.27251	25.0	164871.0	0.726273	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

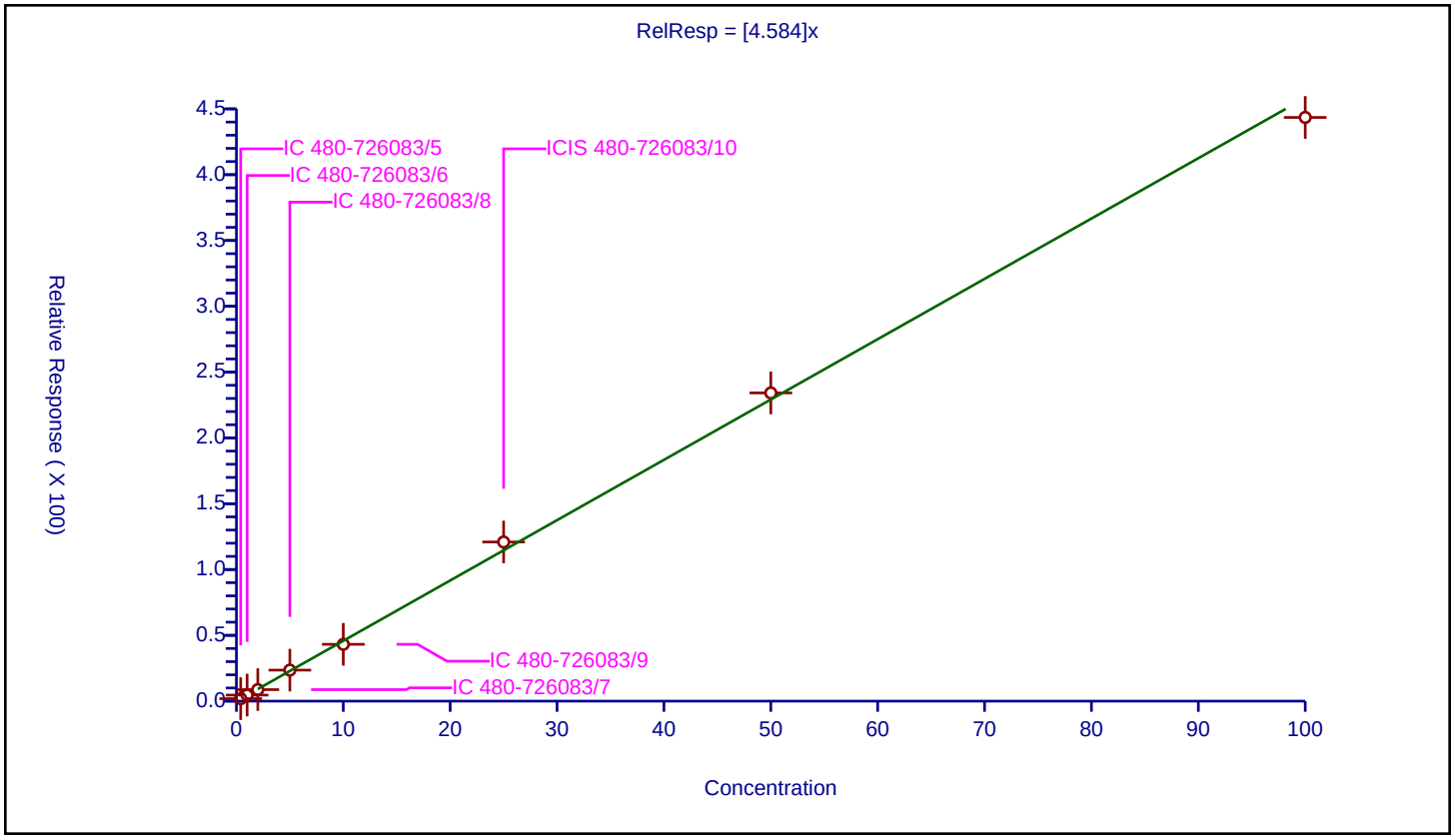
Curve Coefficients

Intercept:	0
Slope:	4.584

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.88239	25.0	175495.0	4.705975	Y
2	IC 480-726083/6	1.0	4.601298	25.0	178053.0	4.601298	Y
3	IC 480-726083/7	2.0	8.751707	25.0	179405.0	4.375854	Y
4	IC 480-726083/8	5.0	23.564884	25.0	174742.0	4.712977	Y
5	IC 480-726083/9	10.0	43.171933	25.0	178645.0	4.317193	Y
6	ICIS 480-726083/10	25.0	120.92416	25.0	169646.0	4.836966	Y
7	IC 480-726083/11	50.0	234.195038	25.0	169741.0	4.683901	Y
8	IC 480-726083/12	100.0	443.509319	25.0	164871.0	4.435093	Y



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Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

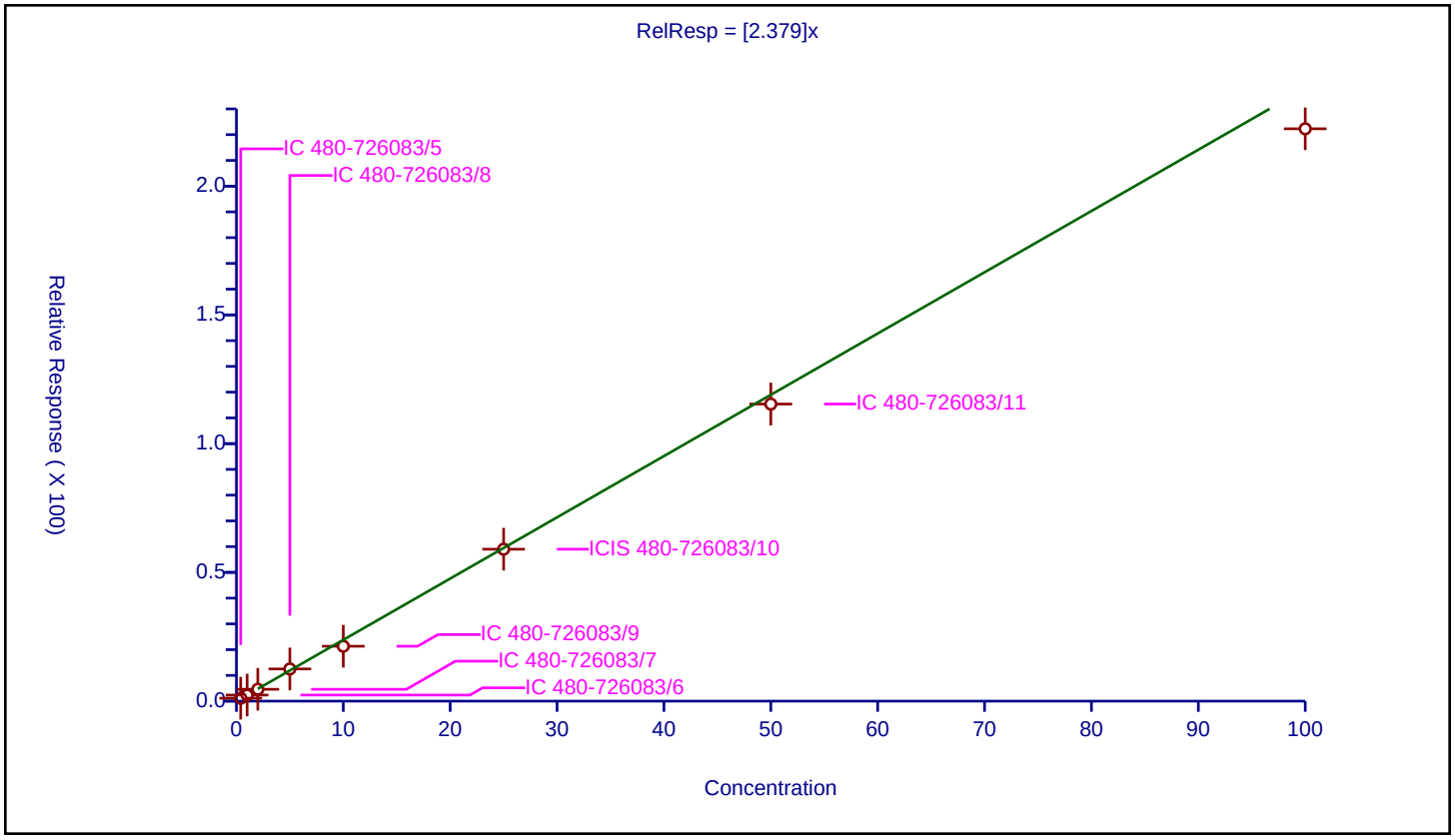
Curve Coefficients

Intercept:	0
Slope:	2.379

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.139064	25.0	175495.0	2.847659	Y
2	IC 480-726083/6	1.0	2.360954	25.0	178053.0	2.360954	Y
3	IC 480-726083/7	2.0	4.60787	25.0	179405.0	2.303935	Y
4	IC 480-726083/8	5.0	12.499142	25.0	174742.0	2.499828	Y
5	IC 480-726083/9	10.0	21.319236	25.0	178645.0	2.131924	Y
6	ICIS 480-726083/10	25.0	59.004928	25.0	169646.0	2.360197	Y
7	IC 480-726083/11	50.0	115.374747	25.0	169741.0	2.307495	Y
8	IC 480-726083/12	100.0	222.269229	25.0	164871.0	2.222692	Y



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Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

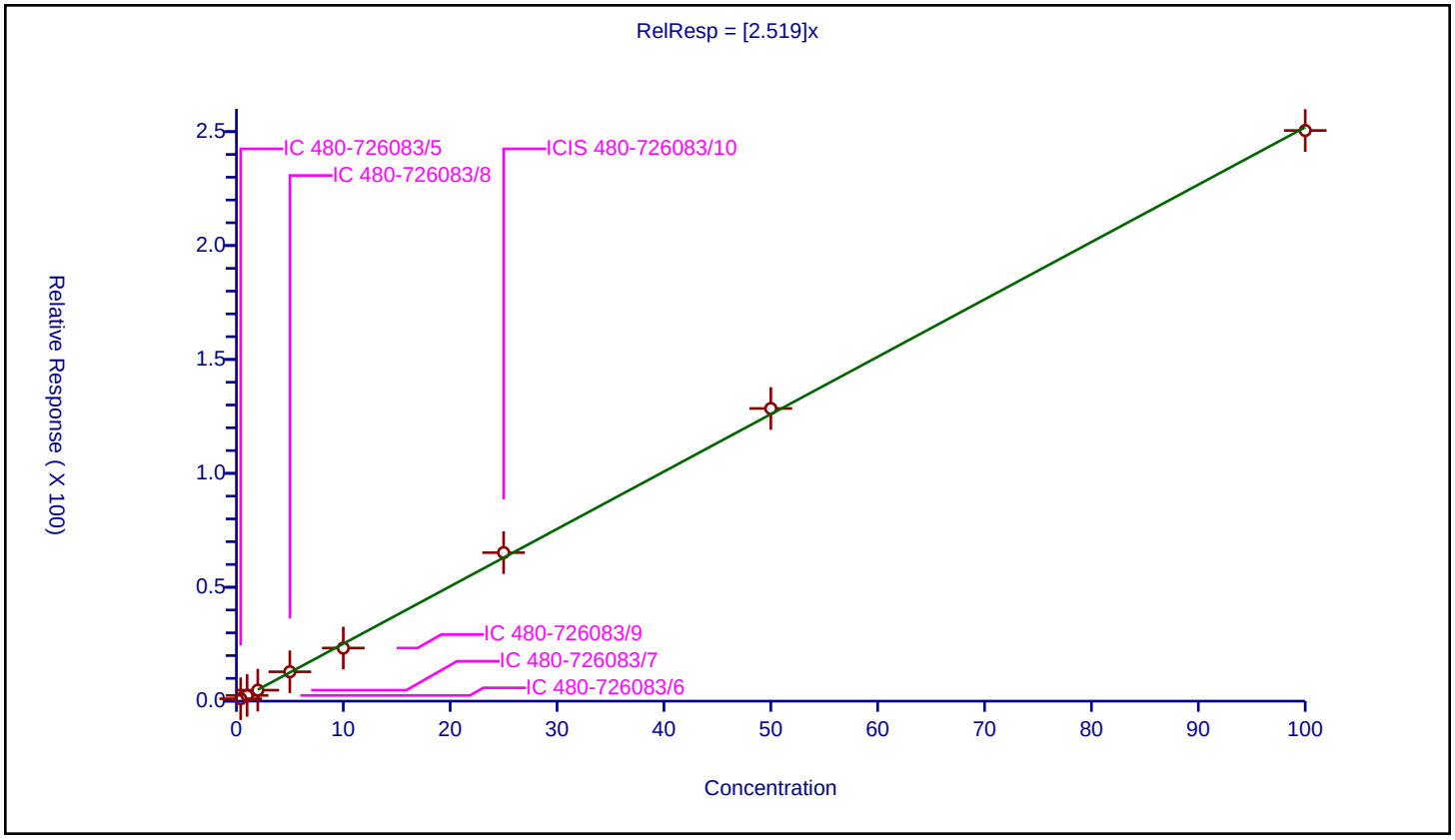
Curve Coefficients

Intercept:	0
Slope:	2.519

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.060002	25.0	175495.0	2.650004	Y
2	IC 480-726083/6	1.0	2.505855	25.0	178053.0	2.505855	Y
3	IC 480-726083/7	2.0	4.81146	25.0	179405.0	2.40573	Y
4	IC 480-726083/8	5.0	12.894296	25.0	174742.0	2.578859	Y
5	IC 480-726083/9	10.0	23.313555	25.0	178645.0	2.331355	Y
6	ICIS 480-726083/10	25.0	65.198413	25.0	169646.0	2.607937	Y
7	IC 480-726083/11	50.0	128.478977	25.0	169741.0	2.56958	Y
8	IC 480-726083/12	100.0	250.508579	25.0	164871.0	2.505086	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

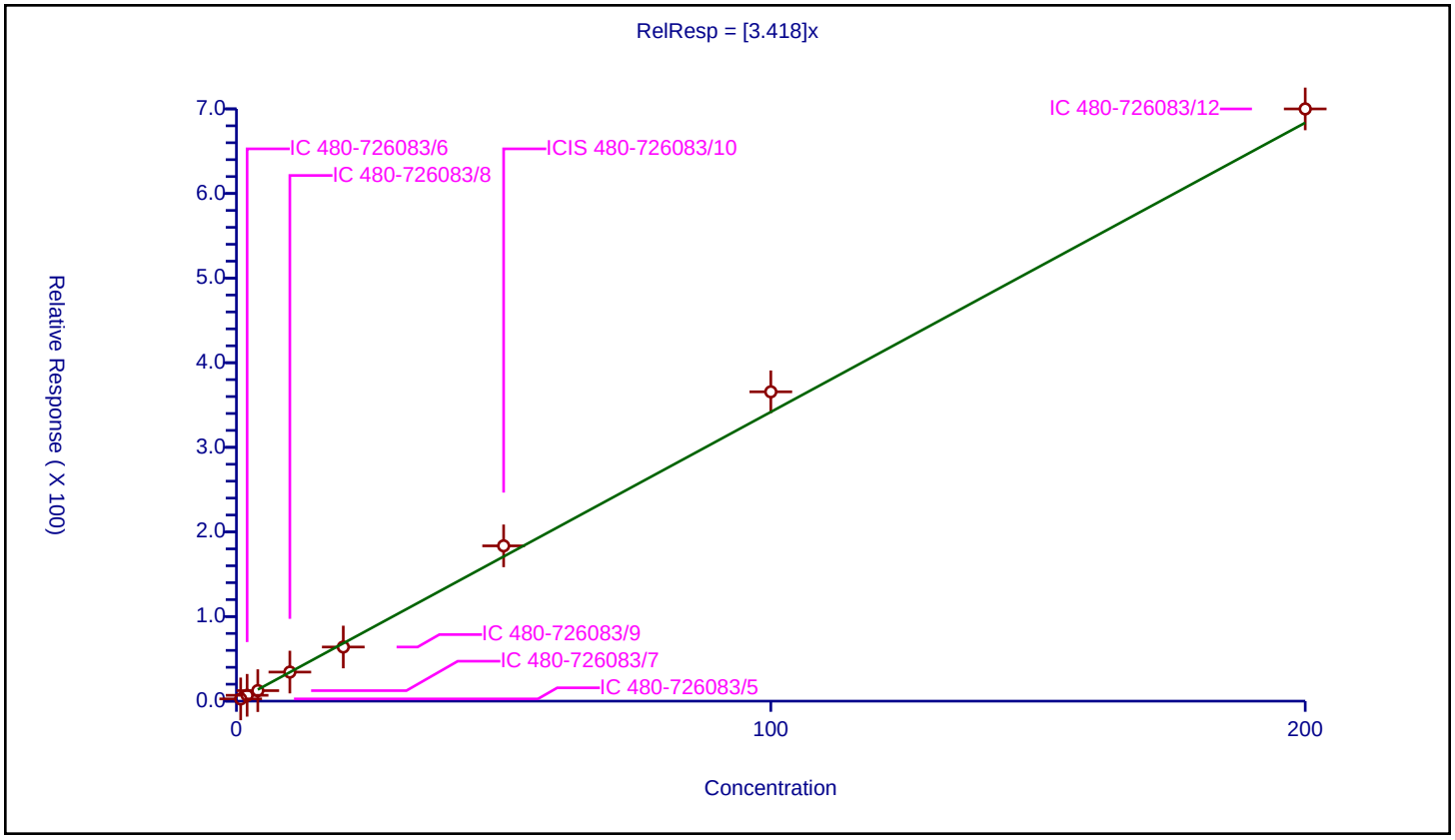
Curve Coefficients

Intercept:	0
Slope:	3.418

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.8	2.652212	25.0	175495.0	3.315265	Y
2	IC 480-726083/6	2.0	6.920692	25.0	178053.0	3.460346	Y
3	IC 480-726083/7	4.0	12.432903	25.0	179405.0	3.108226	Y
4	IC 480-726083/8	10.0	34.355221	25.0	174742.0	3.435522	Y
5	IC 480-726083/9	20.0	63.968345	25.0	178645.0	3.198417	Y
6	ICIS 480-726083/10	50.0	183.528053	25.0	169646.0	3.670561	Y
7	IC 480-726083/11	100.0	365.618354	25.0	169741.0	3.656184	Y
8	IC 480-726083/12	200.0	699.960424	25.0	164871.0	3.499802	Y



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Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

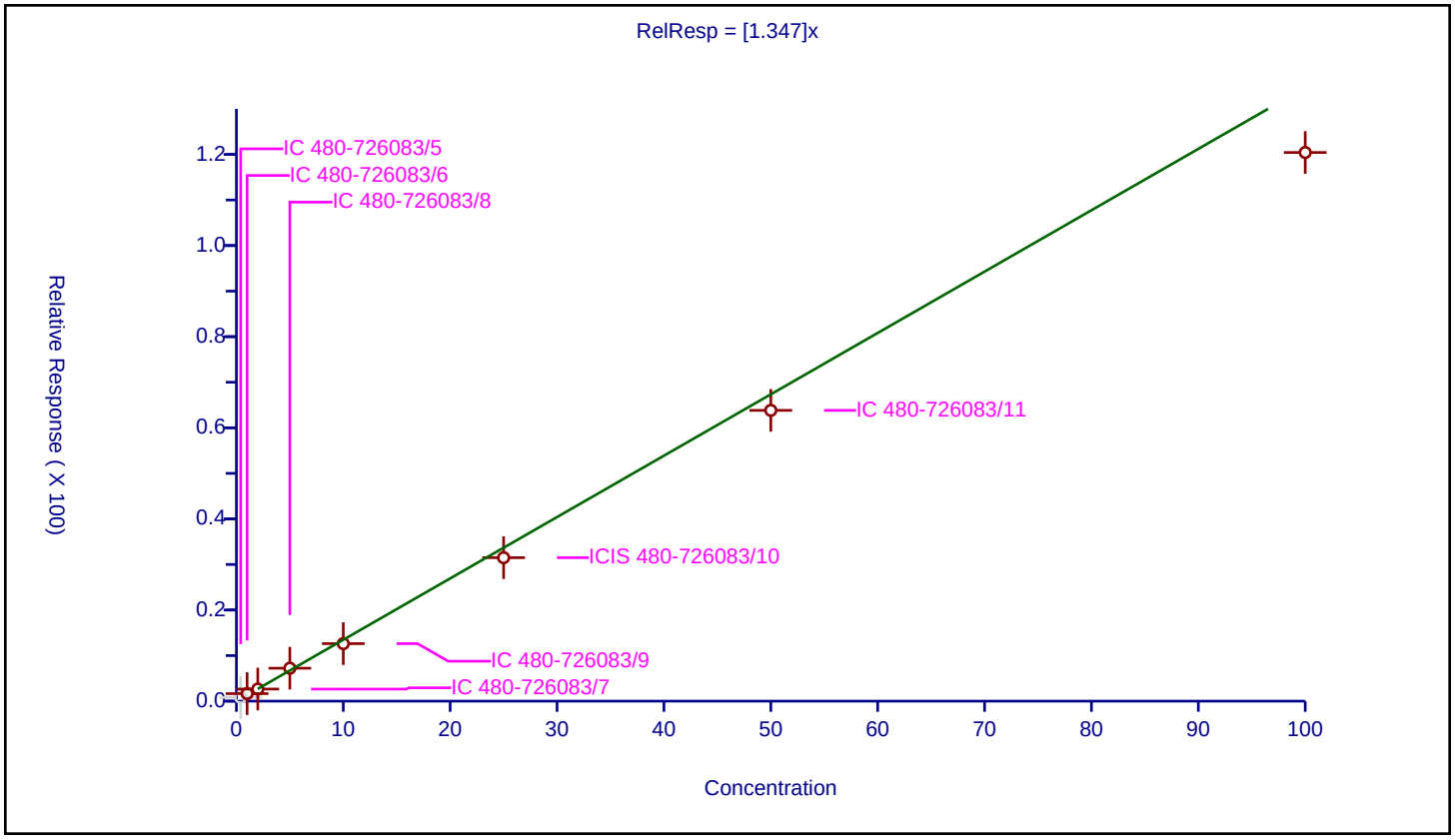
Curve Coefficients

Intercept:	0
Slope:	1.347

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.8231	25.0	175495.0	2.057751	N
2	IC 480-726083/6	1.0	1.654002	25.0	178053.0	1.654002	Y
3	IC 480-726083/7	2.0	2.651264	25.0	179405.0	1.325632	Y
4	IC 480-726083/8	5.0	7.226225	25.0	174742.0	1.445245	Y
5	IC 480-726083/9	10.0	12.626998	25.0	178645.0	1.2627	Y
6	ICIS 480-726083/10	25.0	31.490427	25.0	169646.0	1.259617	Y
7	IC 480-726083/11	50.0	63.827095	25.0	169741.0	1.276542	Y
8	IC 480-726083/12	100.0	120.428699	25.0	164871.0	1.204287	Y



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Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

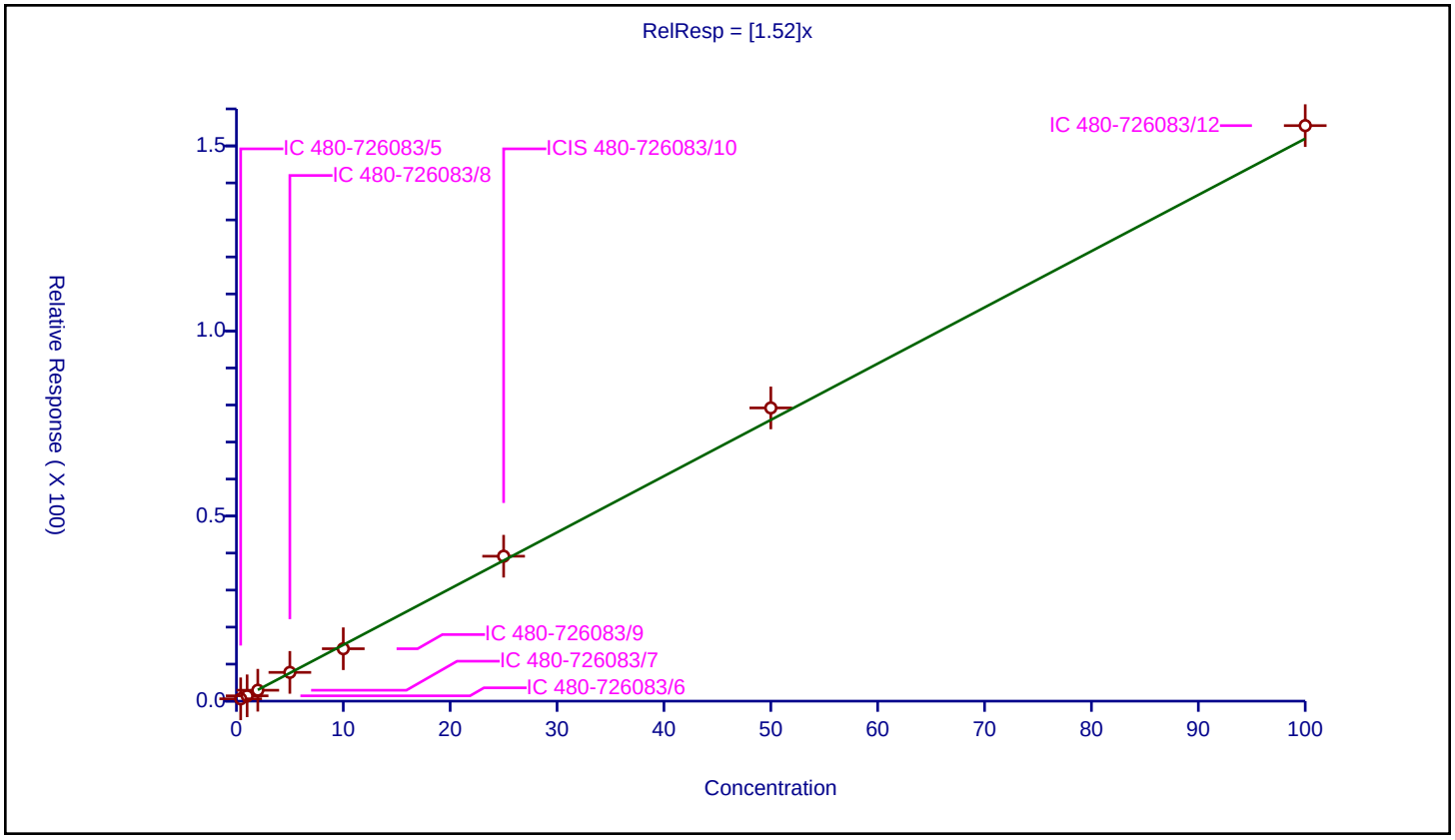
Curve Coefficients

Intercept:	0
Slope:	1.52

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.628223	25.0	175495.0	1.570558	Y
2	IC 480-726083/6	1.0	1.438195	25.0	178053.0	1.438195	Y
3	IC 480-726083/7	2.0	2.945988	25.0	179405.0	1.472994	Y
4	IC 480-726083/8	5.0	7.76831	25.0	174742.0	1.553662	Y
5	IC 480-726083/9	10.0	14.157407	25.0	178645.0	1.415741	Y
6	ICIS 480-726083/10	25.0	39.154327	25.0	169646.0	1.566173	Y
7	IC 480-726083/11	50.0	79.214362	25.0	169741.0	1.584287	Y
8	IC 480-726083/12	100.0	155.480952	25.0	164871.0	1.55481	Y



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Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

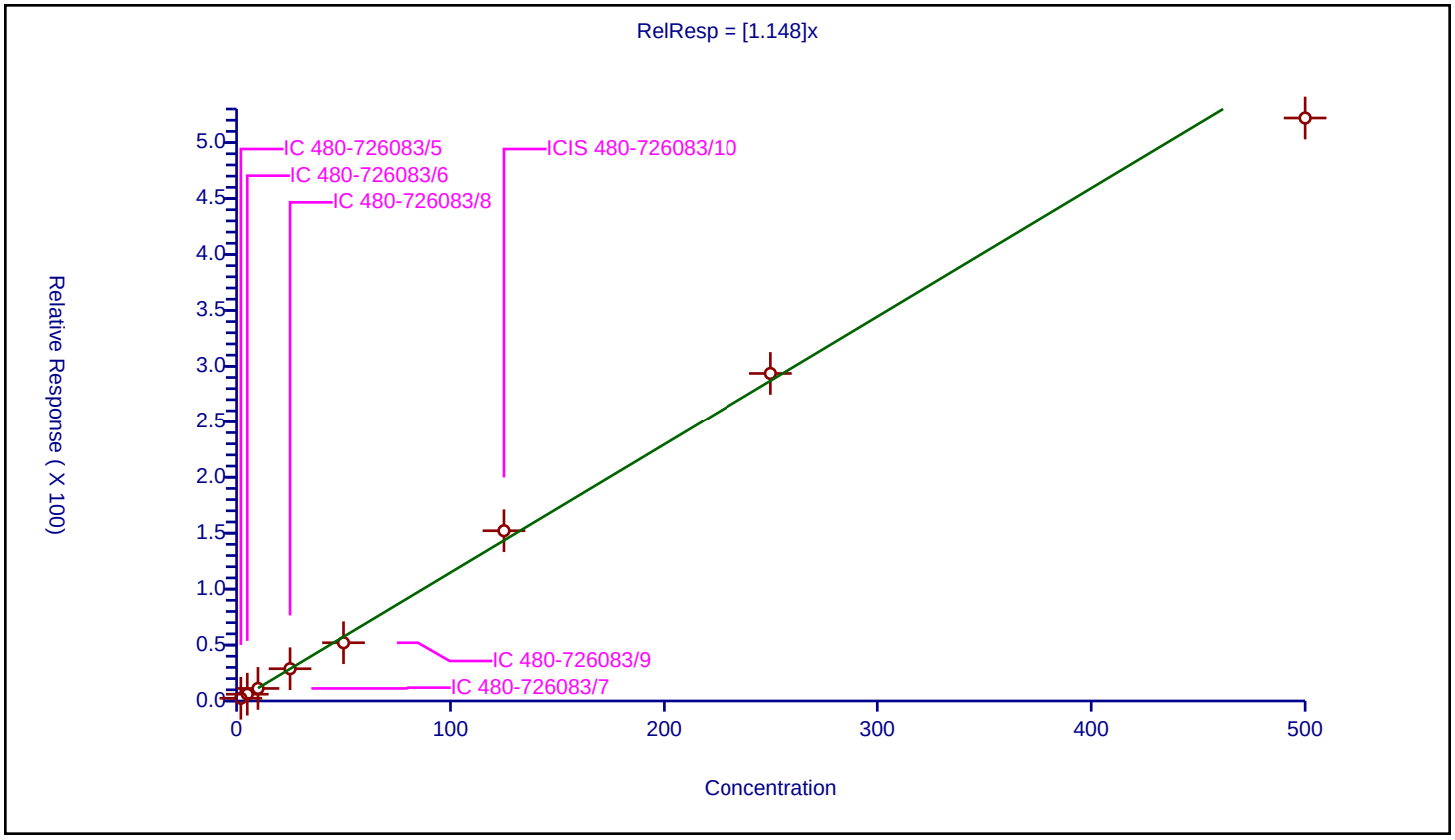
Curve Coefficients

Intercept:	0
Slope:	1.148

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	2.0	2.437676	25.0	175495.0	1.218838	Y
2	IC 480-726083/6	5.0	6.065329	25.0	178053.0	1.213066	Y
3	IC 480-726083/7	10.0	11.221817	25.0	179405.0	1.122182	Y
4	IC 480-726083/8	25.0	28.827357	25.0	174742.0	1.153094	Y
5	IC 480-726083/9	50.0	52.060791	25.0	178645.0	1.041216	Y
6	ICIS 480-726083/10	125.0	152.175265	25.0	169646.0	1.217402	Y
7	IC 480-726083/11	250.0	293.635009	25.0	169741.0	1.17454	Y
8	IC 480-726083/12	500.0	521.959138	25.0	164871.0	1.043918	Y



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Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

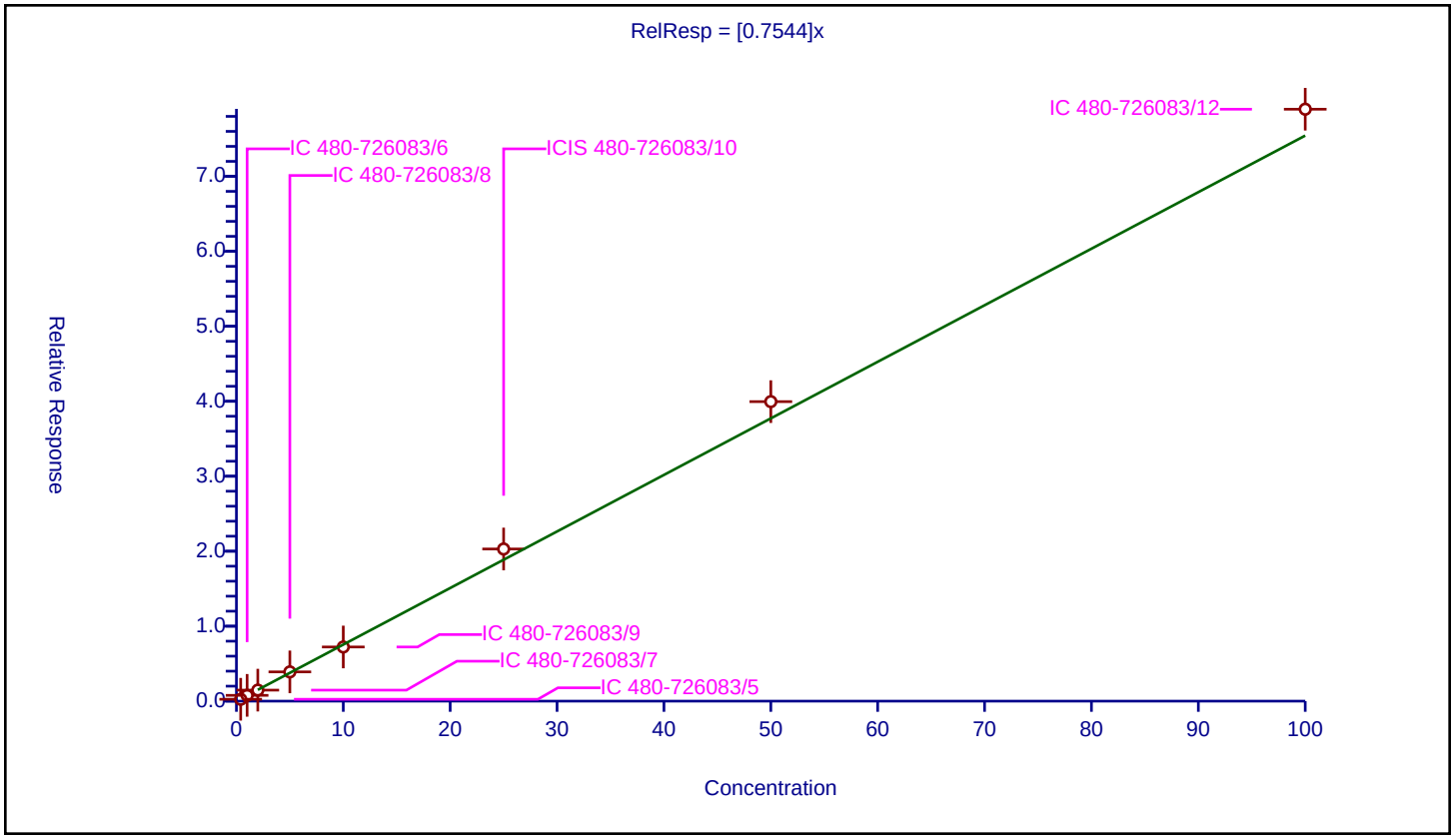
Curve Coefficients

Intercept:	0
Slope:	0.7544

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.249722	25.0	175495.0	0.624306	Y
2	IC 480-726083/6	1.0	0.773786	25.0	178053.0	0.773786	Y
3	IC 480-726083/7	2.0	1.46749	25.0	179405.0	0.733745	Y
4	IC 480-726083/8	5.0	3.901895	25.0	174742.0	0.780379	Y
5	IC 480-726083/9	10.0	7.223544	25.0	178645.0	0.722354	Y
6	ICIS 480-726083/10	25.0	20.293287	25.0	169646.0	0.811731	Y
7	IC 480-726083/11	50.0	39.953076	25.0	169741.0	0.799062	Y
8	IC 480-726083/12	100.0	78.957791	25.0	164871.0	0.789578	Y



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Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

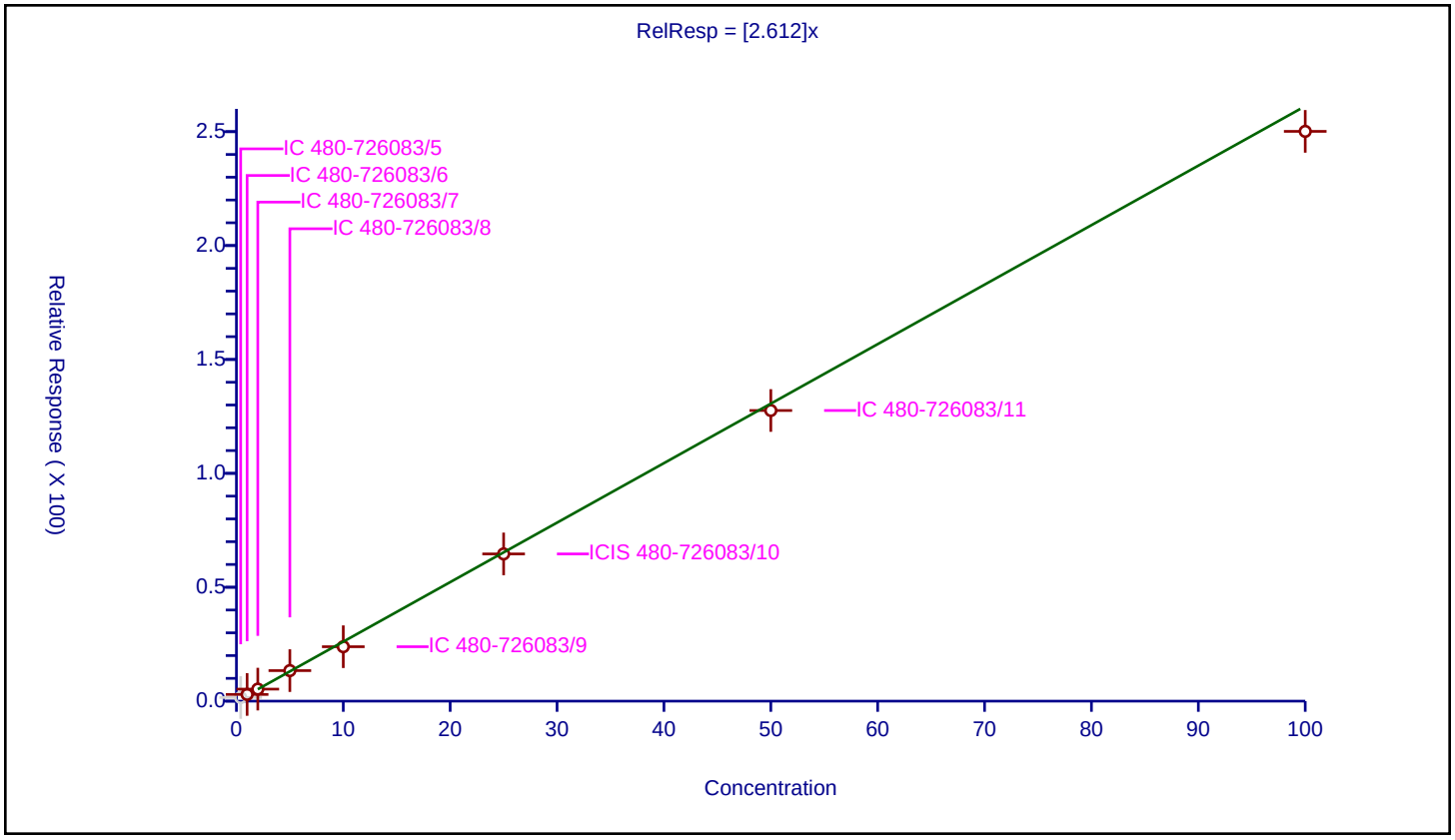
Curve Coefficients

Intercept:	0
Slope:	2.612

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.596057	25.0	175495.0	3.990142	N
2	IC 480-726083/6	1.0	2.937047	25.0	178053.0	2.937047	Y
3	IC 480-726083/7	2.0	5.279396	25.0	179405.0	2.639698	Y
4	IC 480-726083/8	5.0	13.400327	25.0	174742.0	2.680065	Y
5	IC 480-726083/9	10.0	23.888158	25.0	178645.0	2.388816	Y
6	ICIS 480-726083/10	25.0	64.633855	25.0	169646.0	2.585354	Y
7	IC 480-726083/11	50.0	127.59027	25.0	169741.0	2.551805	Y
8	IC 480-726083/12	100.0	250.136925	25.0	164871.0	2.501369	Y



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Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

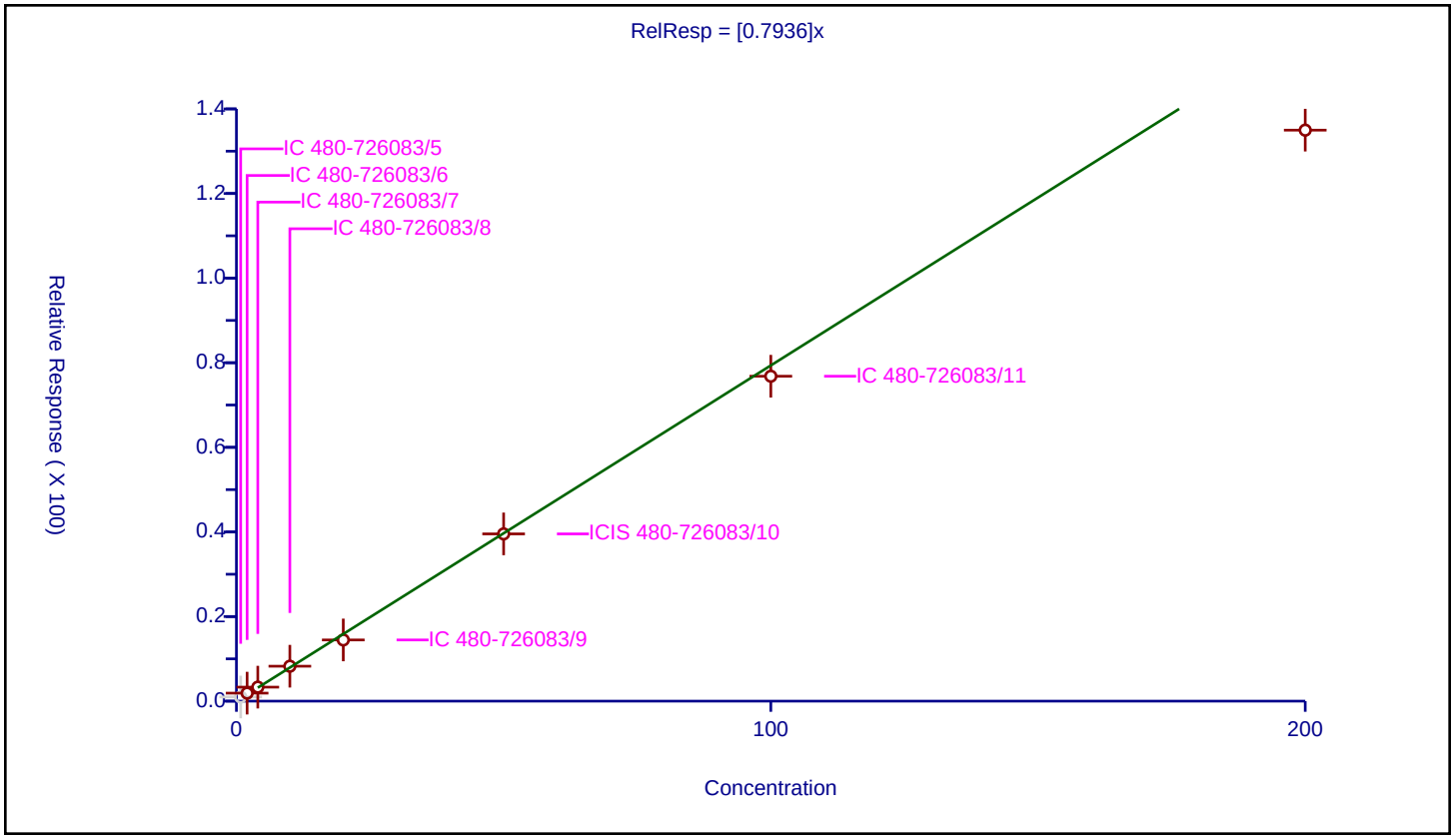
Curve Coefficients

Intercept:	0
Slope:	0.7936

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.8	0.976524	25.0	175495.0	1.220654	N
2	IC 480-726083/6	2.0	1.89115	25.0	178053.0	0.945575	Y
3	IC 480-726083/7	4.0	3.308158	25.0	179405.0	0.827039	Y
4	IC 480-726083/8	10.0	8.256315	25.0	174742.0	0.825632	Y
5	IC 480-726083/9	20.0	14.463321	25.0	178645.0	0.723166	Y
6	ICIS 480-726083/10	50.0	39.534236	25.0	169646.0	0.790685	Y
7	IC 480-726083/11	100.0	76.805839	25.0	169741.0	0.768058	Y
8	IC 480-726083/12	200.0	134.973403	25.0	164871.0	0.674867	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

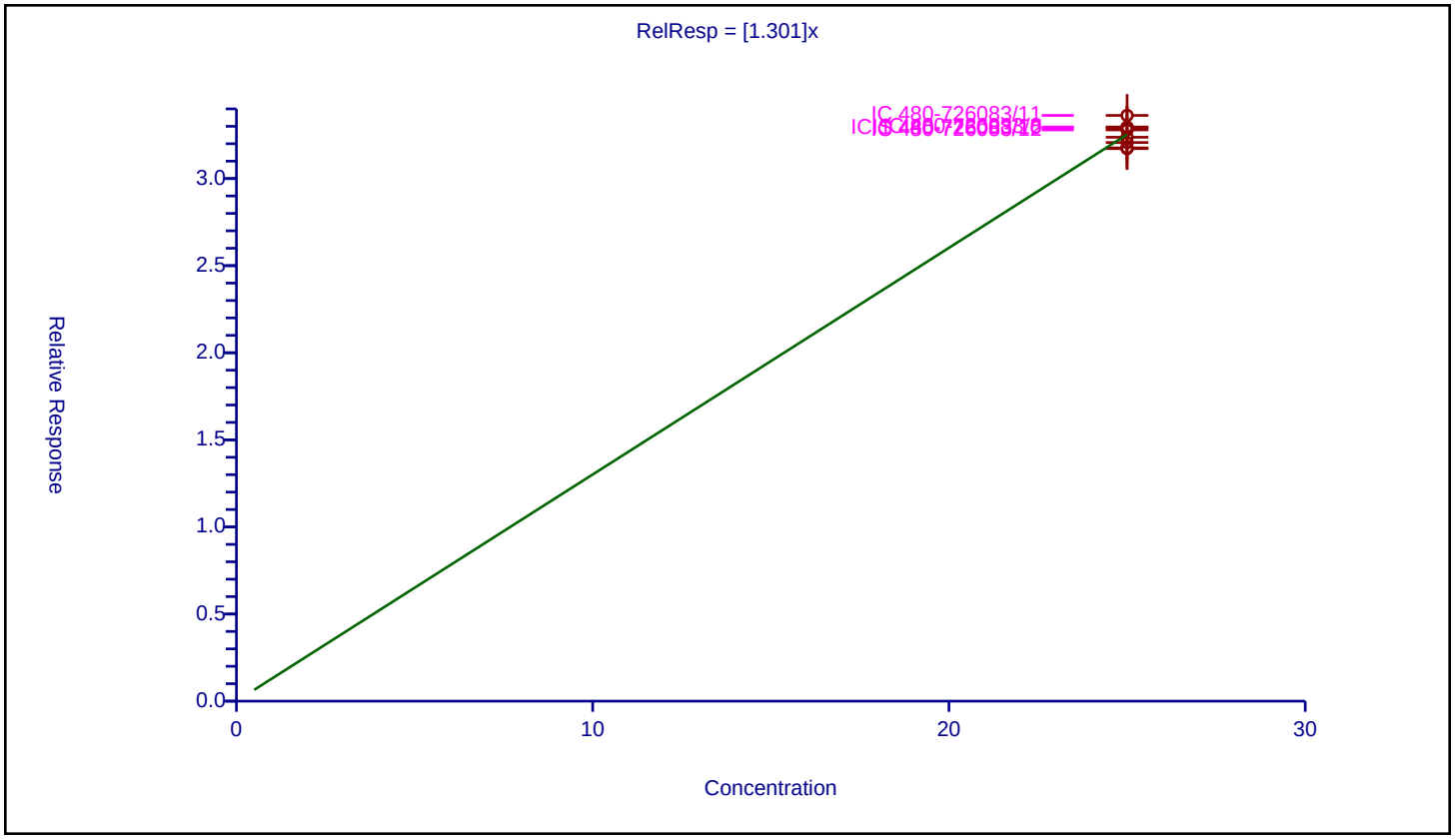
Curve Coefficients

Intercept:	0
Slope:	1.301

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	25.0	31.71928	25.0	175495.0	1.268771	Y
2	IC 480-726083/6	25.0	32.371401	25.0	178053.0	1.294856	Y
3	IC 480-726083/7	25.0	31.76082	25.0	179405.0	1.270433	Y
4	IC 480-726083/8	25.0	32.960307	25.0	174742.0	1.318412	Y
5	IC 480-726083/9	25.0	32.067928	25.0	178645.0	1.282717	Y
6	ICIS 480-726083/10	25.0	32.925032	25.0	169646.0	1.317001	Y
7	IC 480-726083/11	25.0	33.625052	25.0	169741.0	1.345002	Y
8	IC 480-726083/12	25.0	32.793821	25.0	164871.0	1.311753	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

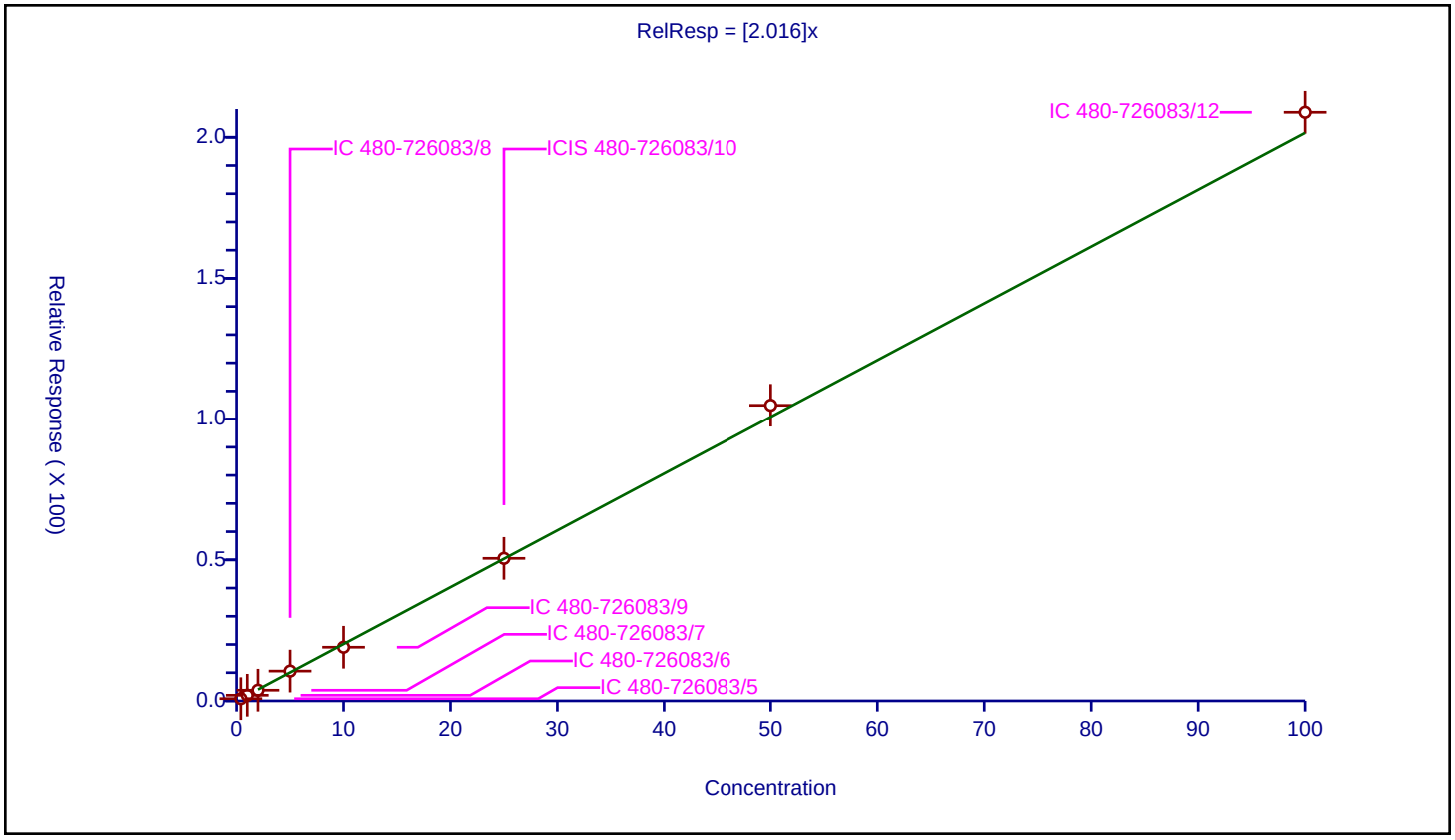
Curve Coefficients

Intercept:	0
Slope:	2.016

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.799595	25.0	175495.0	1.998989	Y
2	IC 480-726083/6	1.0	2.006565	25.0	178053.0	2.006565	Y
3	IC 480-726083/7	2.0	3.787241	25.0	179405.0	1.893621	Y
4	IC 480-726083/8	5.0	10.574447	25.0	174742.0	2.114889	Y
5	IC 480-726083/9	10.0	19.023062	25.0	178645.0	1.902306	Y
6	ICIS 480-726083/10	25.0	50.536558	25.0	169646.0	2.021462	Y
7	IC 480-726083/11	50.0	104.931042	25.0	169741.0	2.098621	Y
8	IC 480-726083/12	100.0	208.851011	25.0	164871.0	2.08851	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

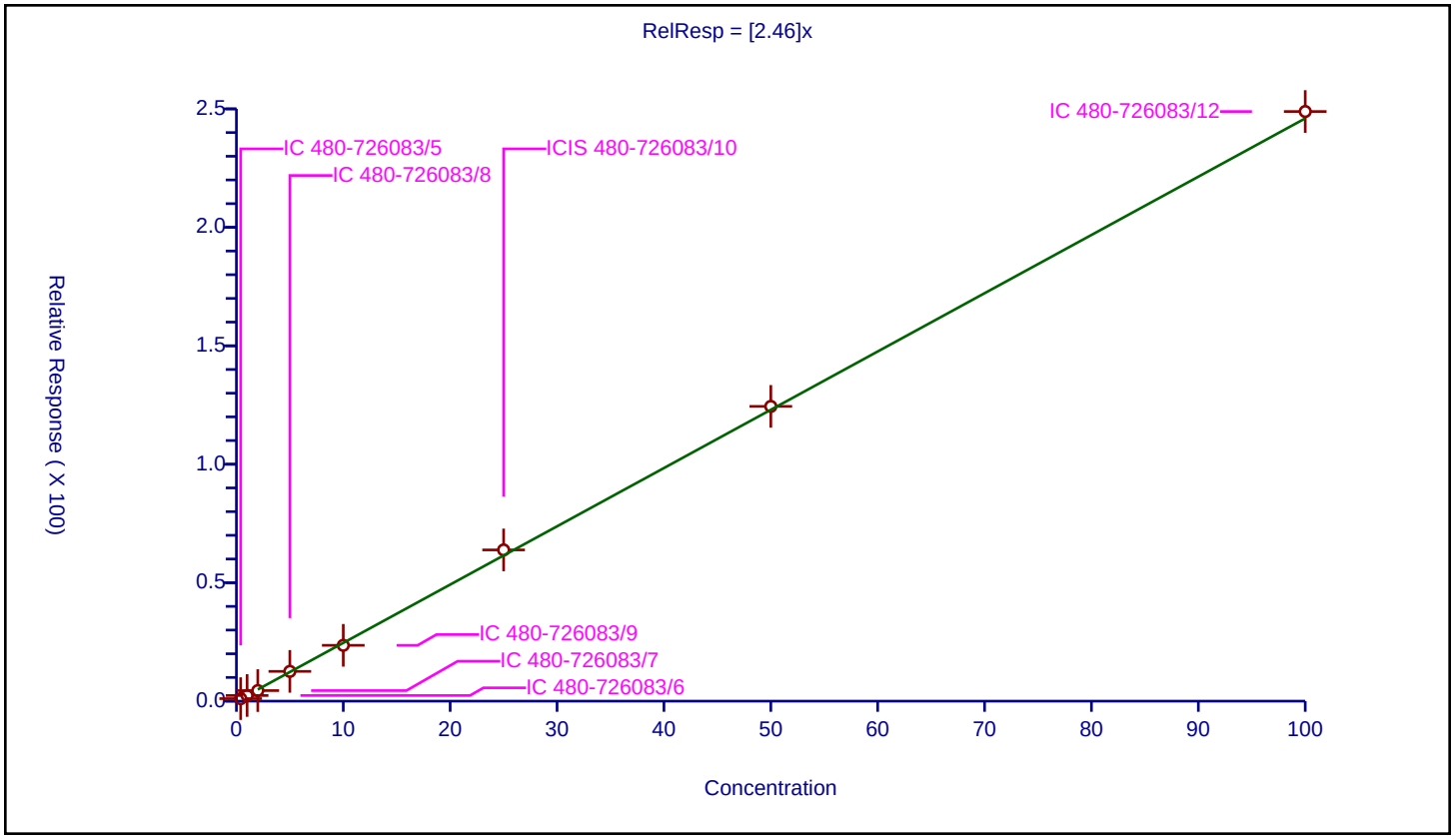
Curve Coefficients

Intercept:	0
Slope:	2.46

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.067124	25.0	175495.0	2.667811	Y
2	IC 480-726083/6	1.0	2.381735	25.0	178053.0	2.381735	Y
3	IC 480-726083/7	2.0	4.459045	25.0	179405.0	2.229523	Y
4	IC 480-726083/8	5.0	12.564238	25.0	174742.0	2.512848	Y
5	IC 480-726083/9	10.0	23.559294	25.0	178645.0	2.355929	Y
6	ICIS 480-726083/10	25.0	63.830417	25.0	169646.0	2.553217	Y
7	IC 480-726083/11	50.0	124.413518	25.0	169741.0	2.48827	Y
8	IC 480-726083/12	100.0	248.88716	25.0	164871.0	2.488872	Y



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Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

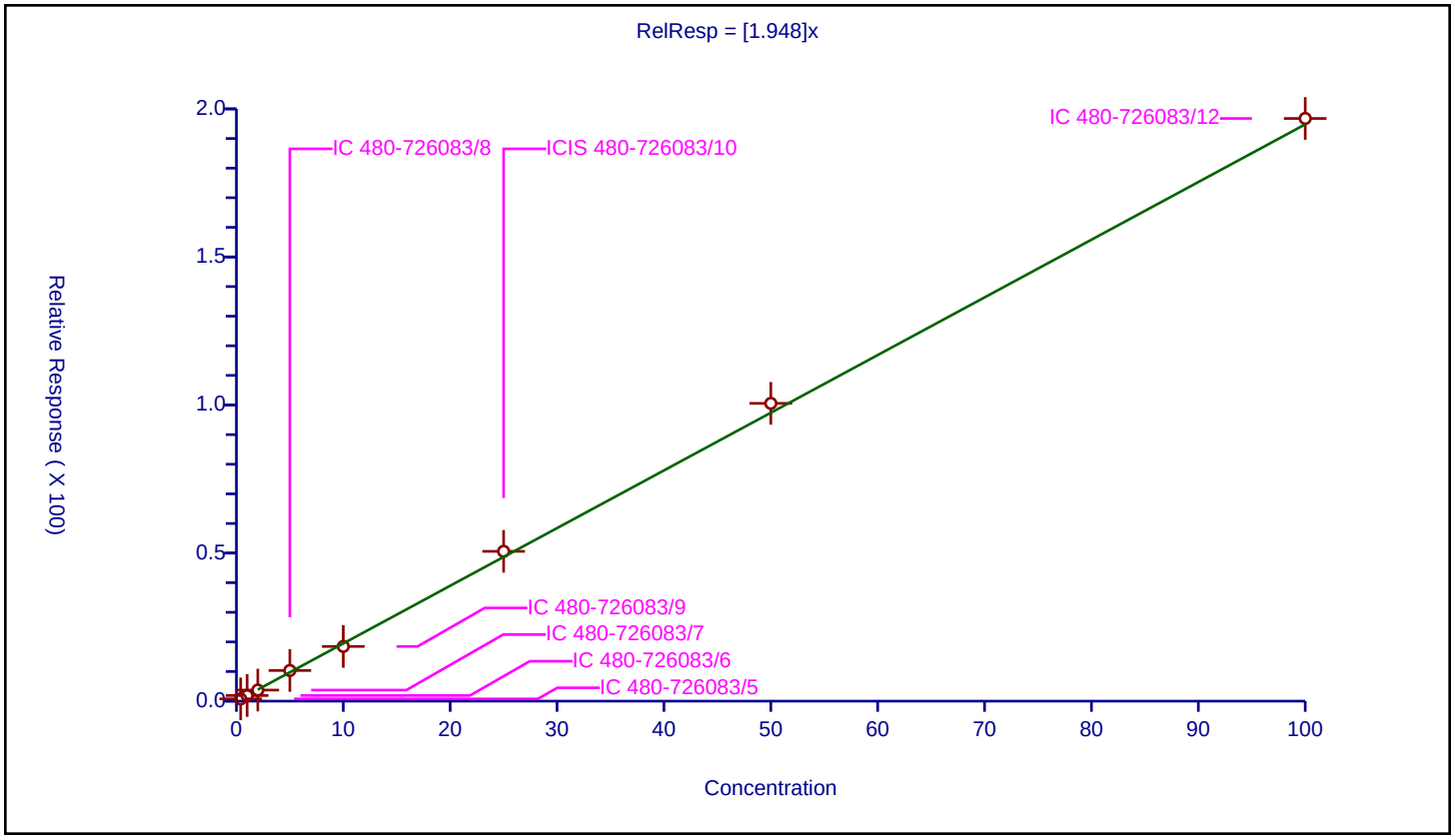
Curve Coefficients

Intercept:	0
Slope:	1.948

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.757287	25.0	175495.0	1.893216	Y
2	IC 480-726083/6	1.0	1.900417	25.0	178053.0	1.900417	Y
3	IC 480-726083/7	2.0	3.737354	25.0	179405.0	1.868677	Y
4	IC 480-726083/8	5.0	10.350688	25.0	174742.0	2.070138	Y
5	IC 480-726083/9	10.0	18.467771	25.0	178645.0	1.846777	Y
6	ICIS 480-726083/10	25.0	50.590642	25.0	169646.0	2.023626	Y
7	IC 480-726083/11	50.0	100.557467	25.0	169741.0	2.011149	Y
8	IC 480-726083/12	100.0	196.764288	25.0	164871.0	1.967643	Y



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Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

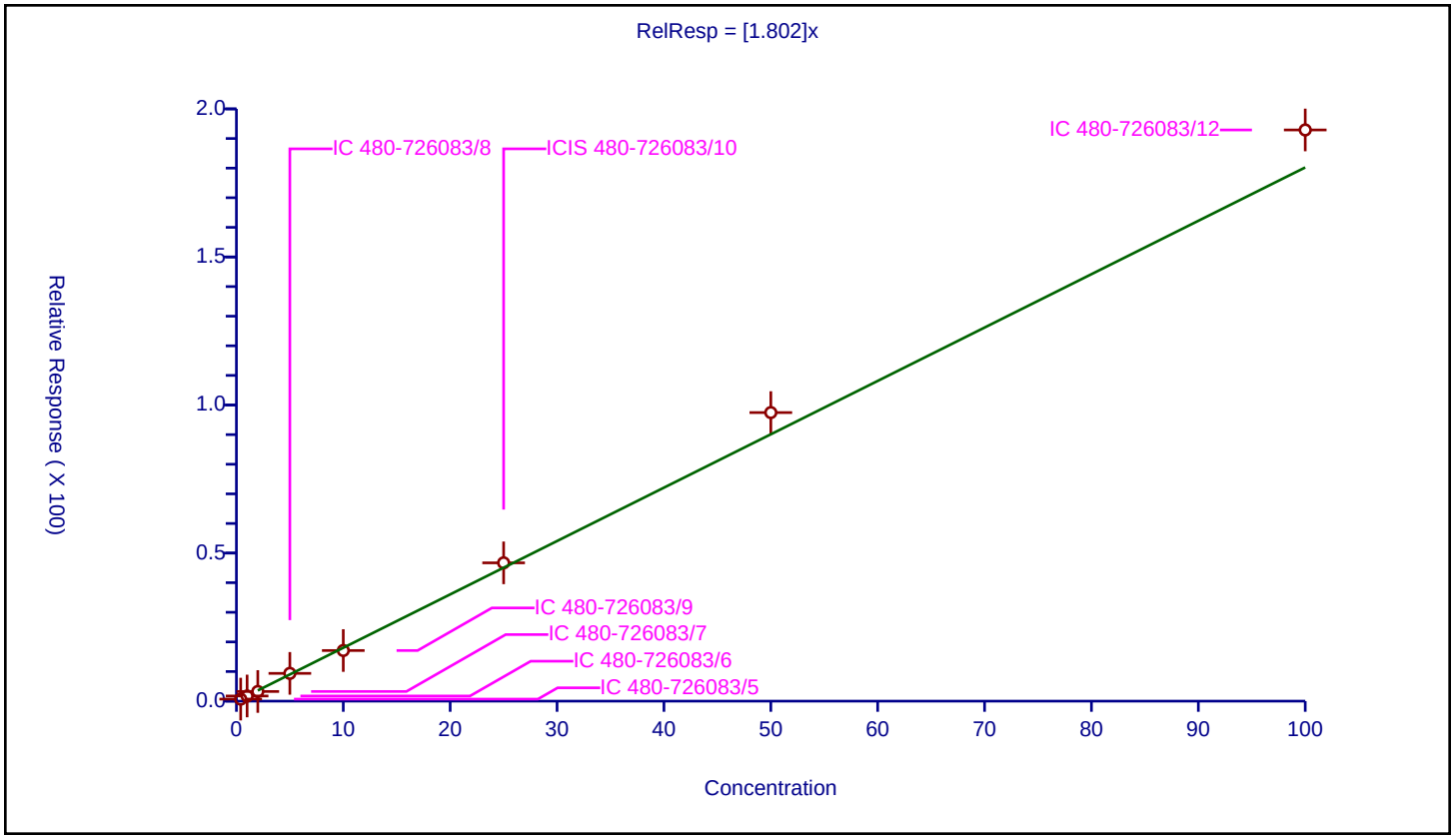
Curve Coefficients

Intercept:	0
Slope:	1.802

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.687484	25.0	175495.0	1.71871	Y
2	IC 480-726083/6	1.0	1.738668	25.0	178053.0	1.738668	Y
3	IC 480-726083/7	2.0	3.259943	25.0	179405.0	1.629971	Y
4	IC 480-726083/8	5.0	9.374392	25.0	174742.0	1.874878	Y
5	IC 480-726083/9	10.0	17.096896	25.0	178645.0	1.70969	Y
6	ICIS 480-726083/10	25.0	46.704461	25.0	169646.0	1.868178	Y
7	IC 480-726083/11	50.0	97.451706	25.0	169741.0	1.949034	Y
8	IC 480-726083/12	100.0	192.883982	25.0	164871.0	1.92884	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

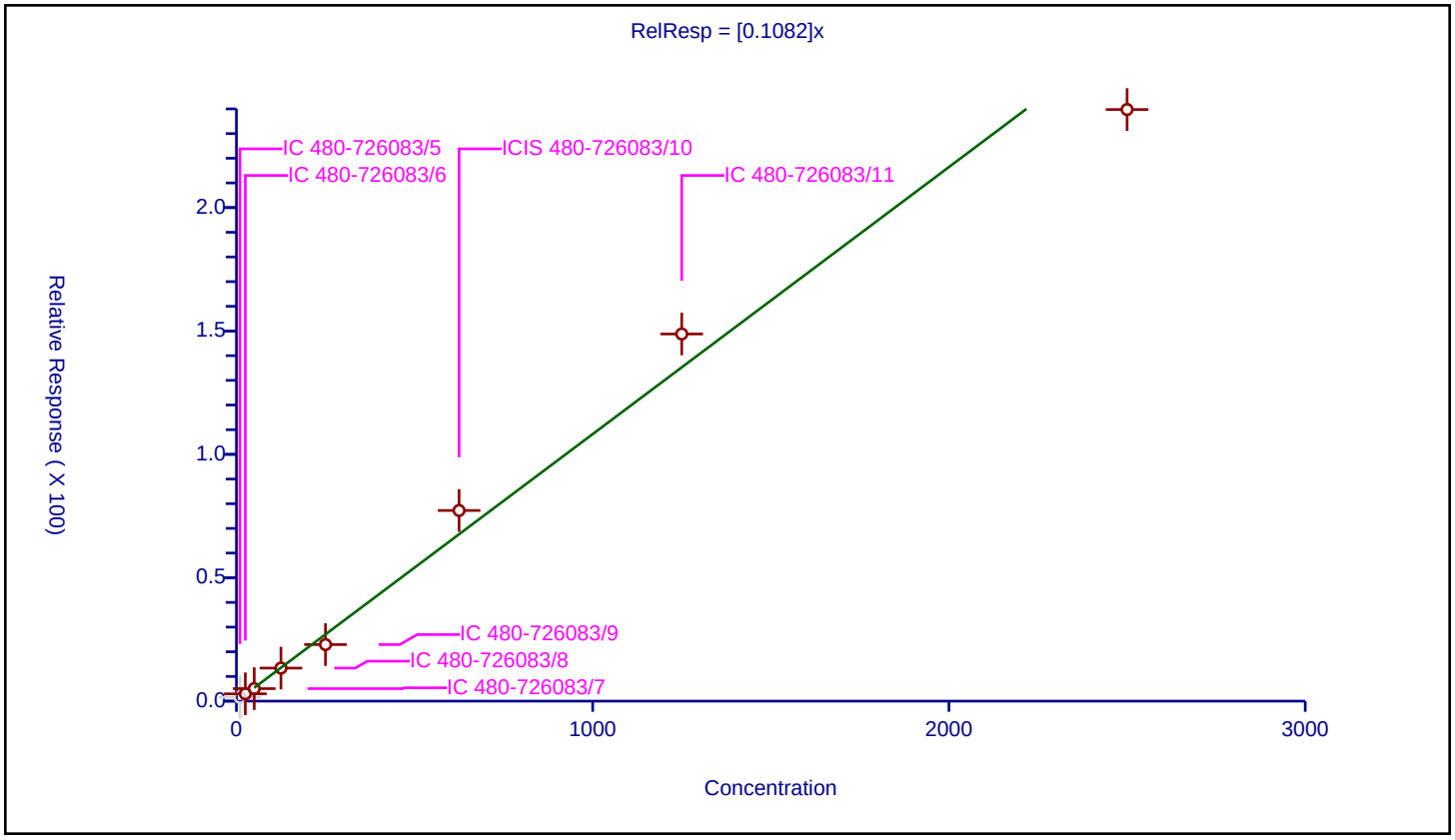
Curve Coefficients

Intercept:	0
Slope:	0.1082

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	10.0	1.547195	25.0	175495.0	0.15472	N
2	IC 480-726083/6	25.0	2.971025	25.0	178053.0	0.118841	Y
3	IC 480-726083/7	50.0	5.066609	25.0	179405.0	0.101332	Y
4	IC 480-726083/8	125.0	13.392316	25.0	174742.0	0.107139	Y
5	IC 480-726083/9	250.0	22.920457	25.0	178645.0	0.091682	Y
6	ICIS 480-726083/10	625.0	77.256758	25.0	169646.0	0.123611	Y
7	IC 480-726083/11	1250.0	148.784324	25.0	169741.0	0.119027	Y
8	IC 480-726083/12	2500.0	239.740312	25.0	164871.0	0.095896	Y



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Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

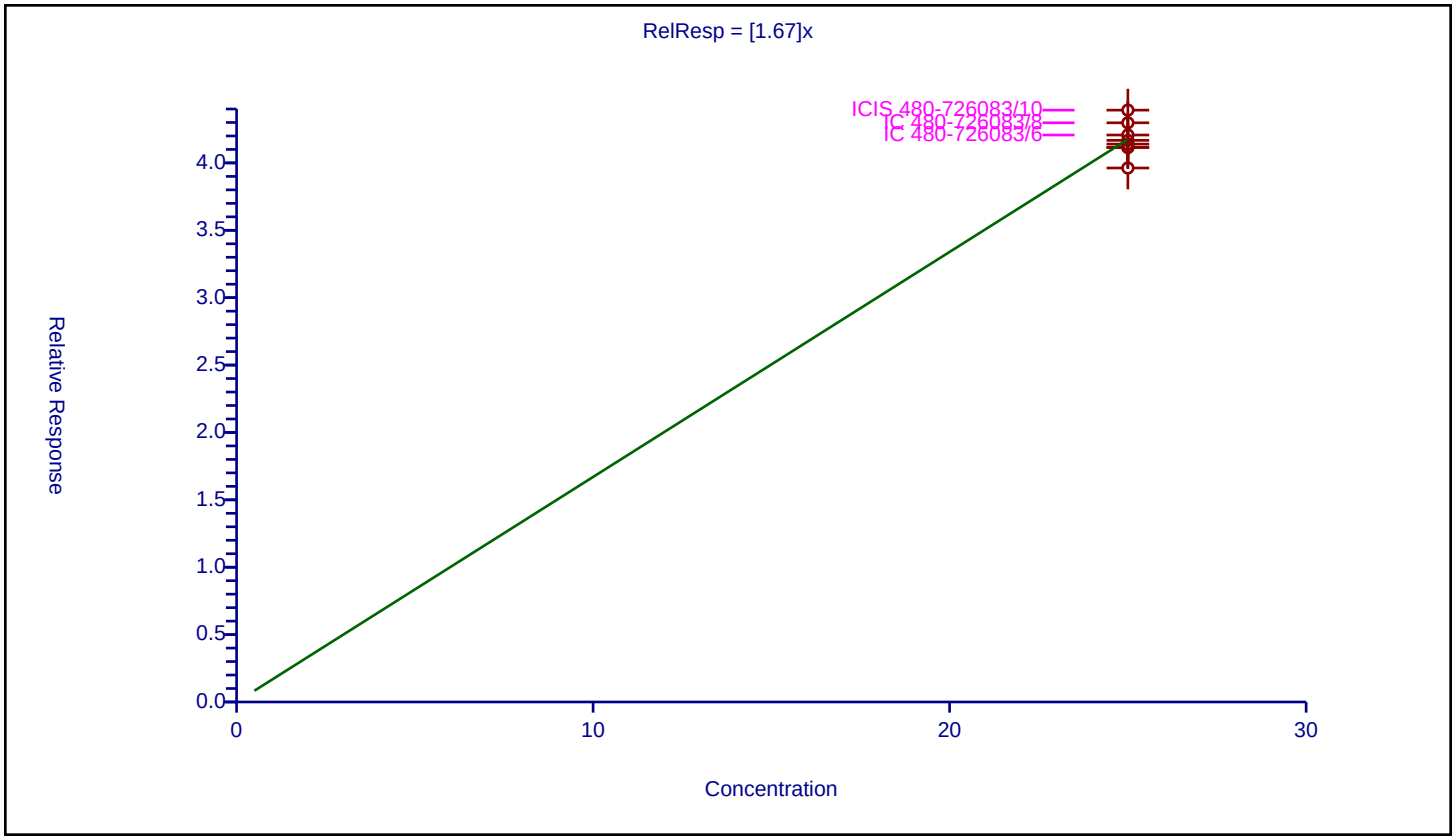
Curve Coefficients

Intercept:	0
Slope:	1.67

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	25.0	41.156016	25.0	175495.0	1.646241	Y
2	IC 480-726083/6	25.0	42.071181	25.0	178053.0	1.682847	Y
3	IC 480-726083/7	25.0	41.141691	25.0	179405.0	1.645668	Y
4	IC 480-726083/8	25.0	42.976646	25.0	174742.0	1.719066	Y
5	IC 480-726083/9	25.0	41.395785	25.0	178645.0	1.655831	Y
6	ICIS 480-726083/10	25.0	43.916892	25.0	169646.0	1.756676	Y
7	IC 480-726083/11	25.0	41.672754	25.0	169741.0	1.66691	Y
8	IC 480-726083/12	25.0	39.623251	25.0	164871.0	1.58493	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

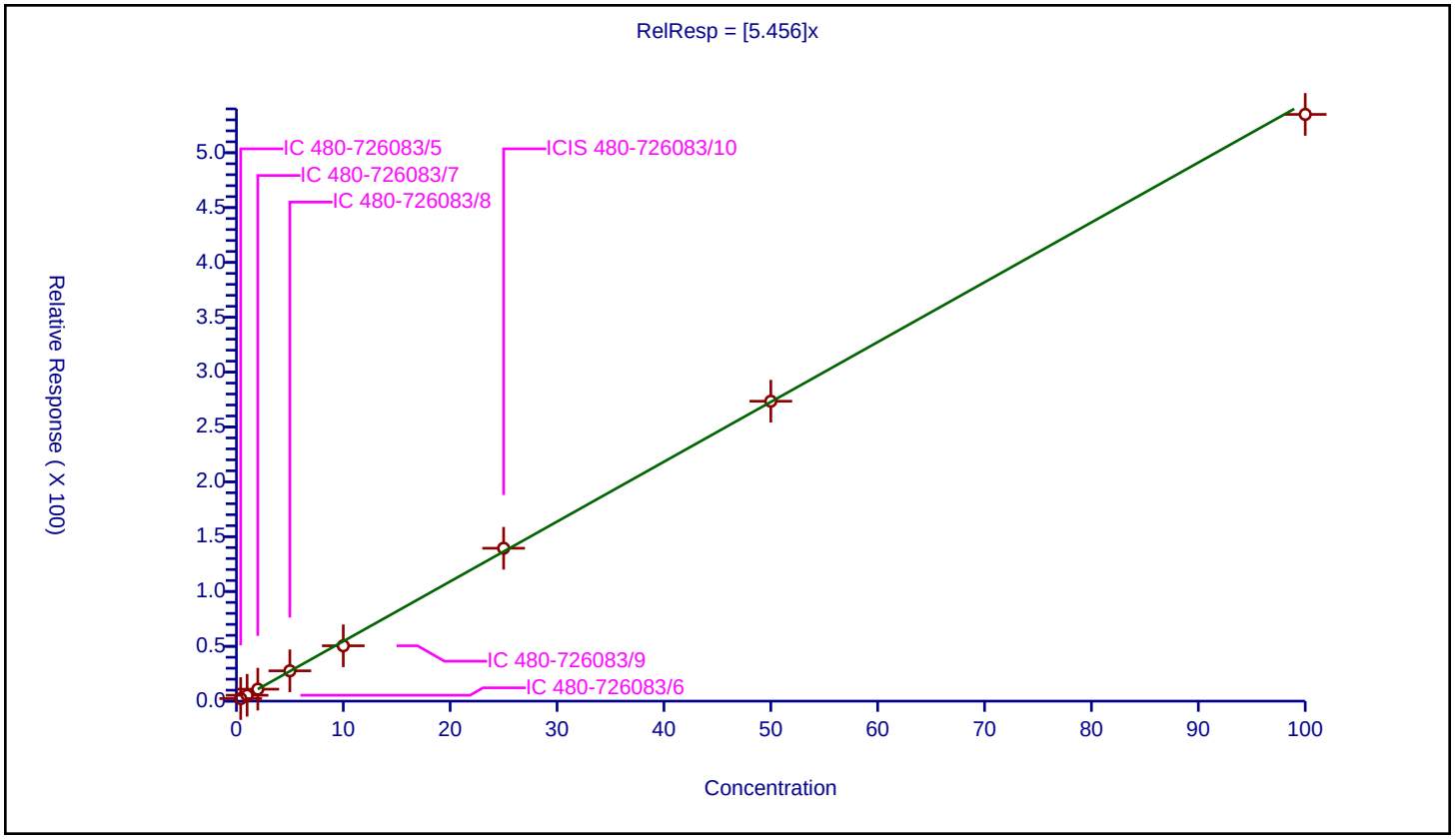
Curve Coefficients

Intercept:	0
Slope:	5.456

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	2.345508	25.0	175495.0	5.863771	Y
2	IC 480-726083/6	1.0	5.357815	25.0	178053.0	5.357815	Y
3	IC 480-726083/7	2.0	10.91692	25.0	179405.0	5.45846	Y
4	IC 480-726083/8	5.0	27.635743	25.0	174742.0	5.527149	Y
5	IC 480-726083/9	10.0	50.466848	25.0	178645.0	5.046685	Y
6	ICIS 480-726083/10	25.0	139.412365	25.0	169646.0	5.576495	Y
7	IC 480-726083/11	50.0	273.462658	25.0	169741.0	5.469253	Y
8	IC 480-726083/12	100.0	534.978711	25.0	164871.0	5.349787	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

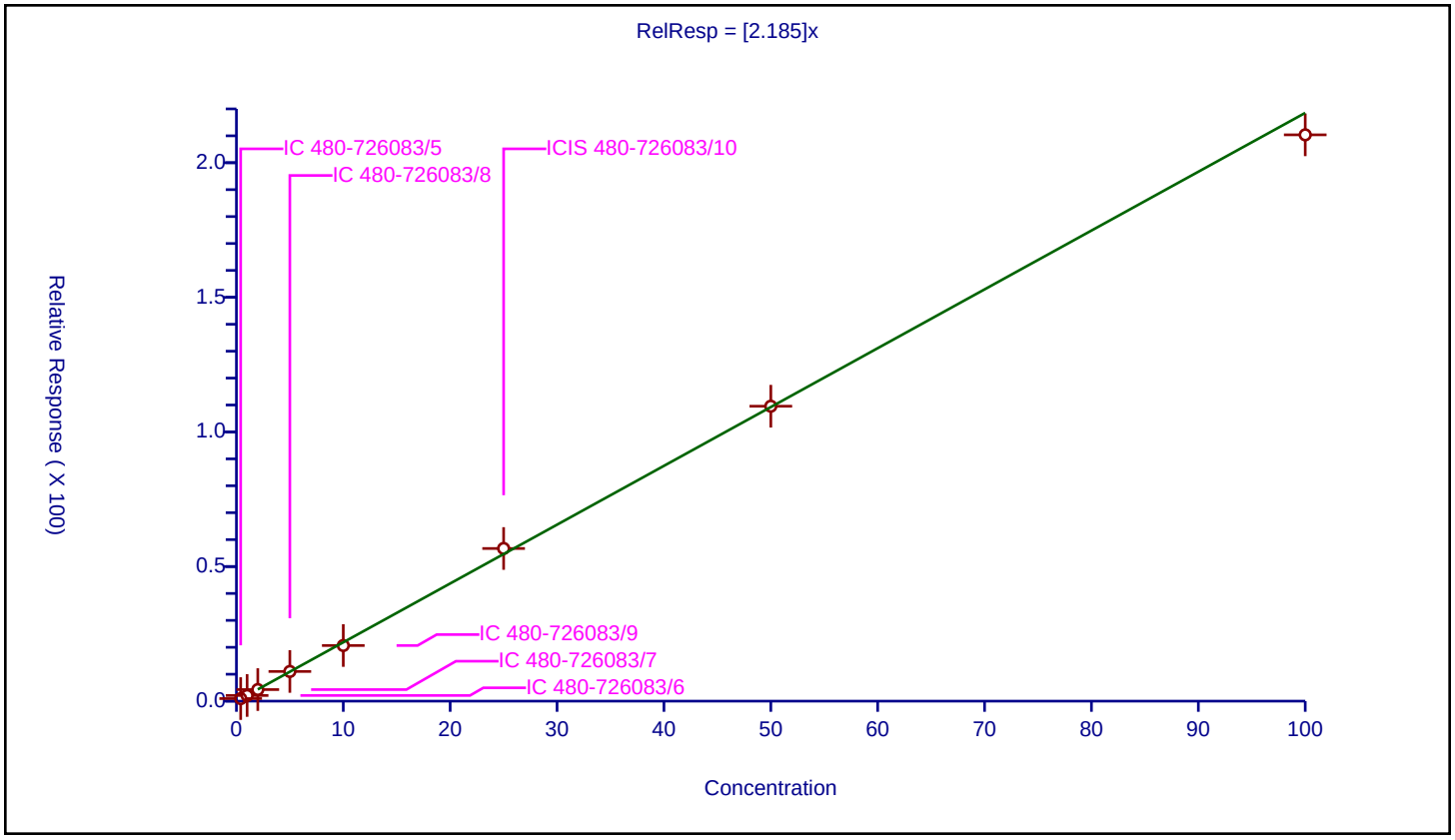
Curve Coefficients

Intercept:	0
Slope:	2.185

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.956153	25.0	175495.0	2.390381	Y
2	IC 480-726083/6	1.0	2.105412	25.0	178053.0	2.105412	Y
3	IC 480-726083/7	2.0	4.29726	25.0	179405.0	2.14863	Y
4	IC 480-726083/8	5.0	11.03112	25.0	174742.0	2.206224	Y
5	IC 480-726083/9	10.0	20.665286	25.0	178645.0	2.066529	Y
6	ICIS 480-726083/10	25.0	56.708234	25.0	169646.0	2.268329	Y
7	IC 480-726083/11	50.0	109.56089	25.0	169741.0	2.191218	Y
8	IC 480-726083/12	100.0	210.360676	25.0	164871.0	2.103607	Y



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Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

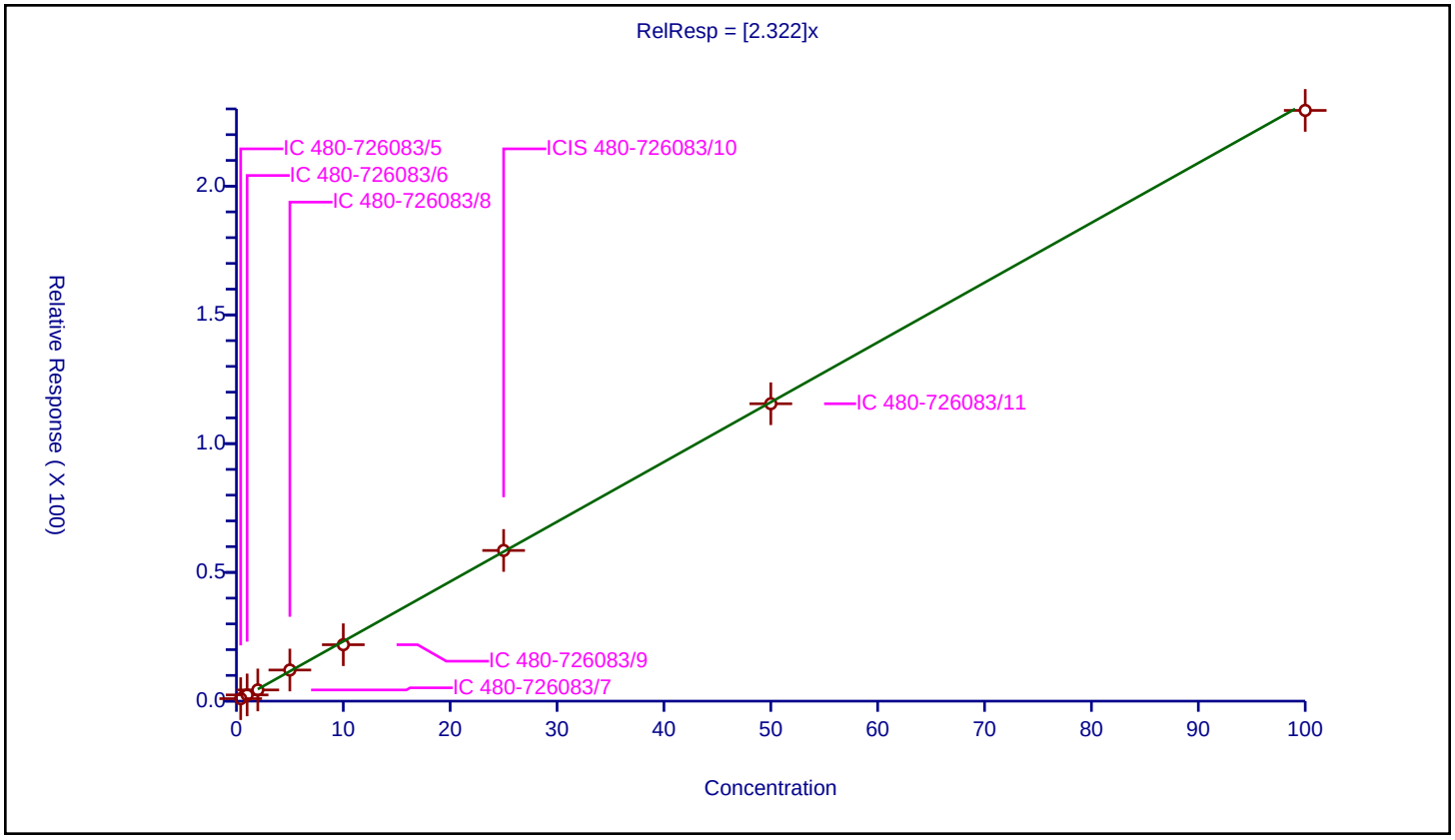
Curve Coefficients

Intercept:	0
Slope:	2.322

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.970825	25.0	175495.0	2.427063	Y
2	IC 480-726083/6	1.0	2.419083	25.0	178053.0	2.419083	Y
3	IC 480-726083/7	2.0	4.353558	25.0	179405.0	2.176779	Y
4	IC 480-726083/8	5.0	12.083386	25.0	174742.0	2.416677	Y
5	IC 480-726083/9	10.0	21.912172	25.0	178645.0	2.191217	Y
6	ICIS 480-726083/10	25.0	58.521274	25.0	169646.0	2.340851	Y
7	IC 480-726083/11	50.0	115.501116	25.0	169741.0	2.310022	Y
8	IC 480-726083/12	100.0	229.410115	25.0	164871.0	2.294101	Y



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Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

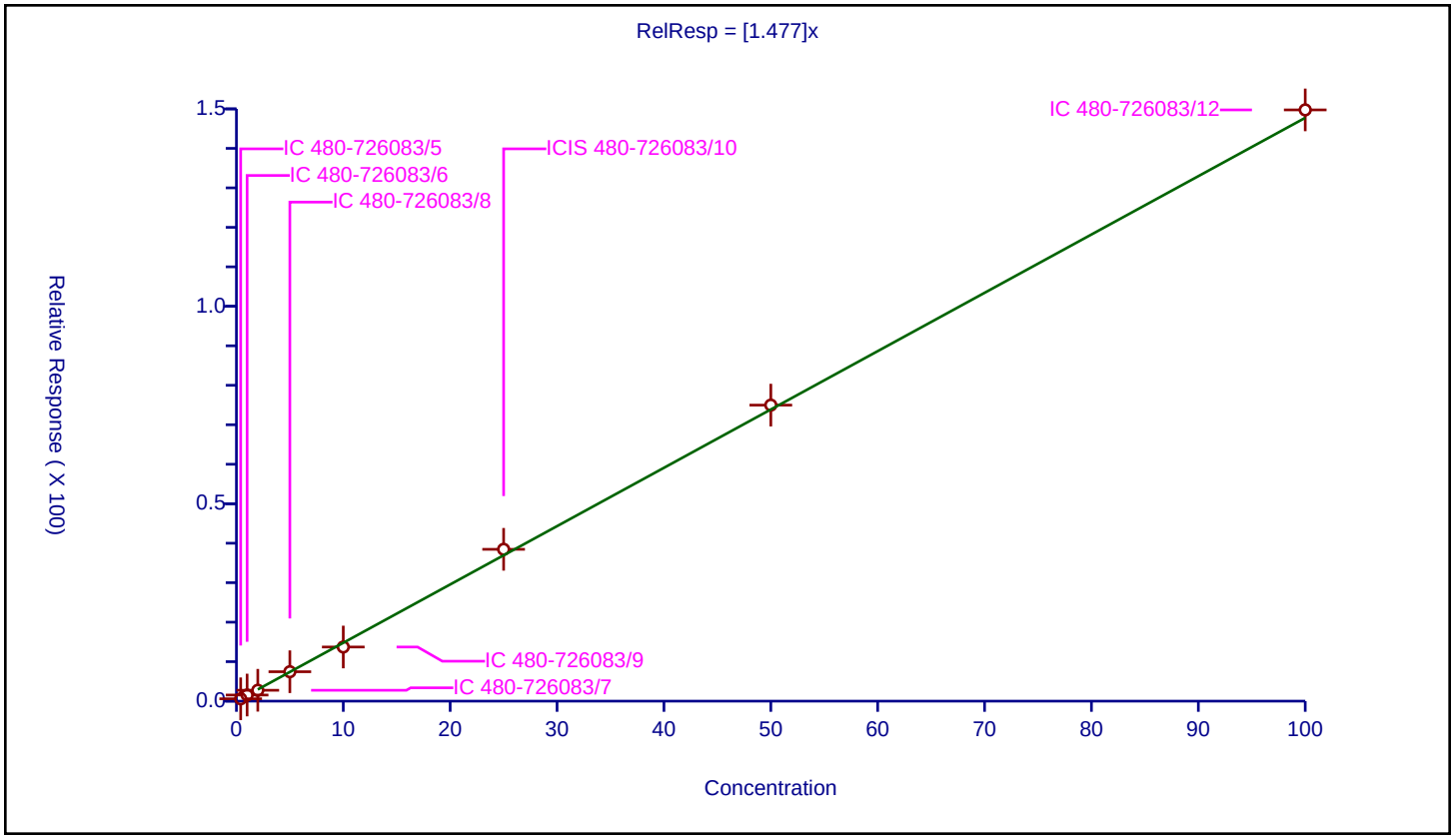
Curve Coefficients

Intercept:	0
Slope:	1.477

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.599305	25.0	175495.0	1.498262	Y
2	IC 480-726083/6	1.0	1.54659	25.0	178053.0	1.54659	Y
3	IC 480-726083/7	2.0	2.755079	25.0	179405.0	1.37754	Y
4	IC 480-726083/8	5.0	7.448553	25.0	174742.0	1.489711	Y
5	IC 480-726083/9	10.0	13.71337	25.0	178645.0	1.371337	Y
6	ICIS 480-726083/10	25.0	38.455961	25.0	169646.0	1.538238	Y
7	IC 480-726083/11	50.0	74.976287	25.0	169741.0	1.499526	Y
8	IC 480-726083/12	100.0	149.744194	25.0	164871.0	1.497442	Y



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Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

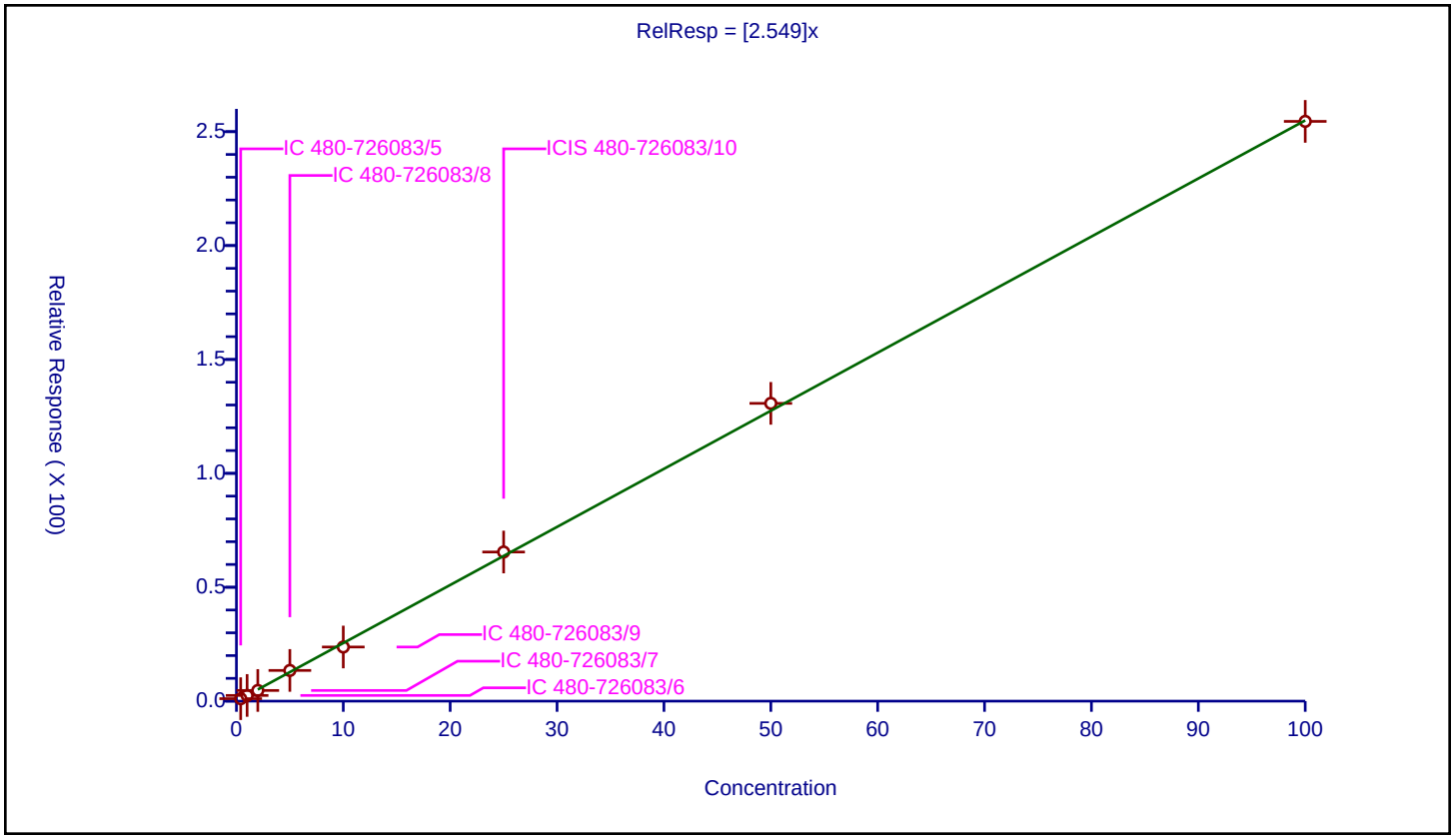
Curve Coefficients

Intercept:	0
Slope:	2.549

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.084931	25.0	175495.0	2.712328	Y
2	IC 480-726083/6	1.0	2.490691	25.0	178053.0	2.490691	Y
3	IC 480-726083/7	2.0	4.683955	25.0	179405.0	2.341978	Y
4	IC 480-726083/8	5.0	13.477441	25.0	174742.0	2.695488	Y
5	IC 480-726083/9	10.0	23.76263	25.0	178645.0	2.376263	Y
6	ICIS 480-726083/10	25.0	65.477819	25.0	169646.0	2.619113	Y
7	IC 480-726083/11	50.0	130.722689	25.0	169741.0	2.614454	Y
8	IC 480-726083/12	100.0	254.515955	25.0	164871.0	2.54516	Y



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Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

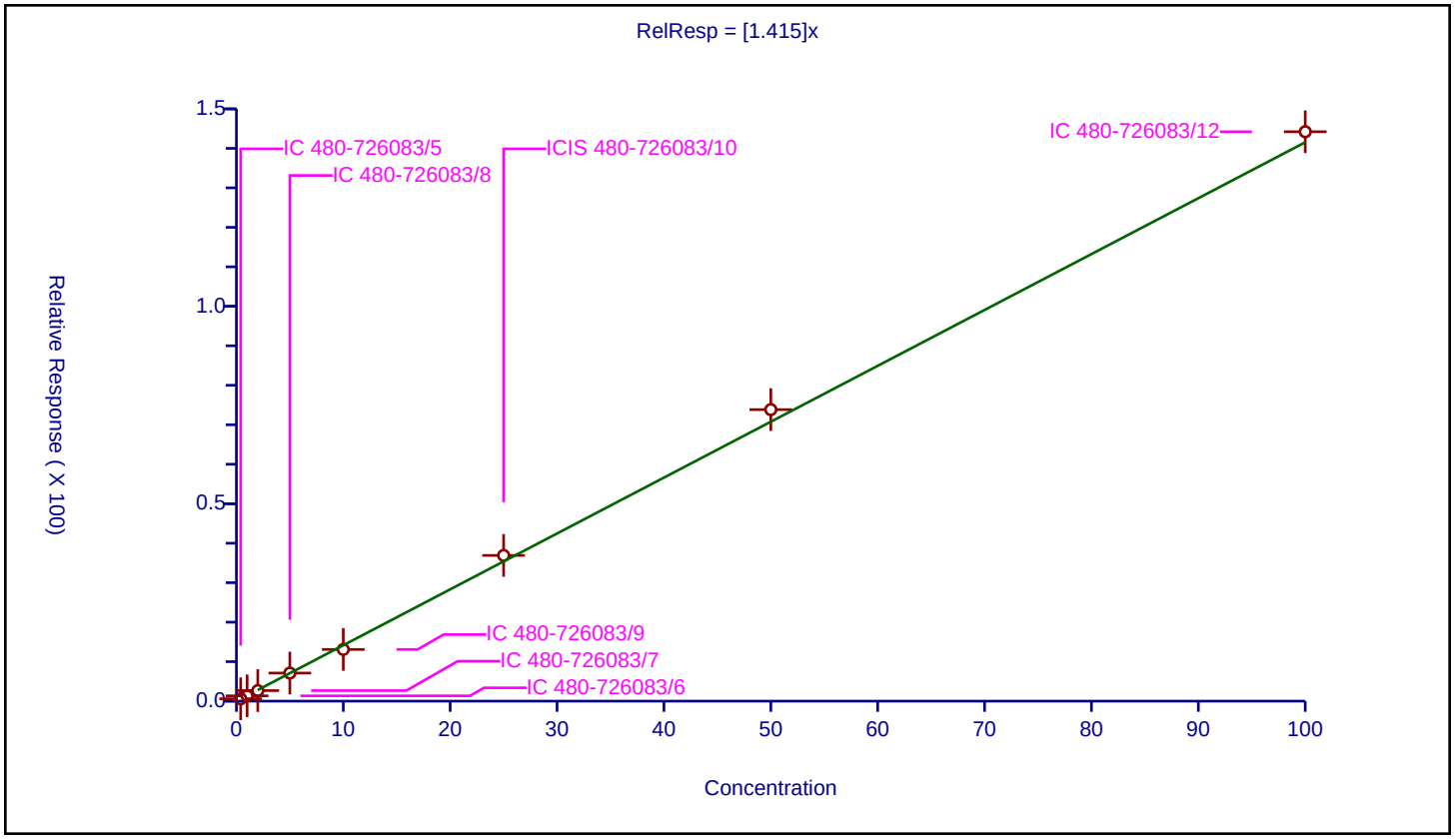
Curve Coefficients

Intercept:	0
Slope:	1.415

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.604718	25.0	175495.0	1.511795	Y
2	IC 480-726083/6	1.0	1.347913	25.0	178053.0	1.347913	Y
3	IC 480-726083/7	2.0	2.673142	25.0	179405.0	1.336571	Y
4	IC 480-726083/8	5.0	7.111627	25.0	174742.0	1.422325	Y
5	IC 480-726083/9	10.0	13.089787	25.0	178645.0	1.308979	Y
6	ICIS 480-726083/10	25.0	36.90199	25.0	169646.0	1.47608	Y
7	IC 480-726083/11	50.0	73.832928	25.0	169741.0	1.476659	Y
8	IC 480-726083/12	100.0	144.213203	25.0	164871.0	1.442132	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

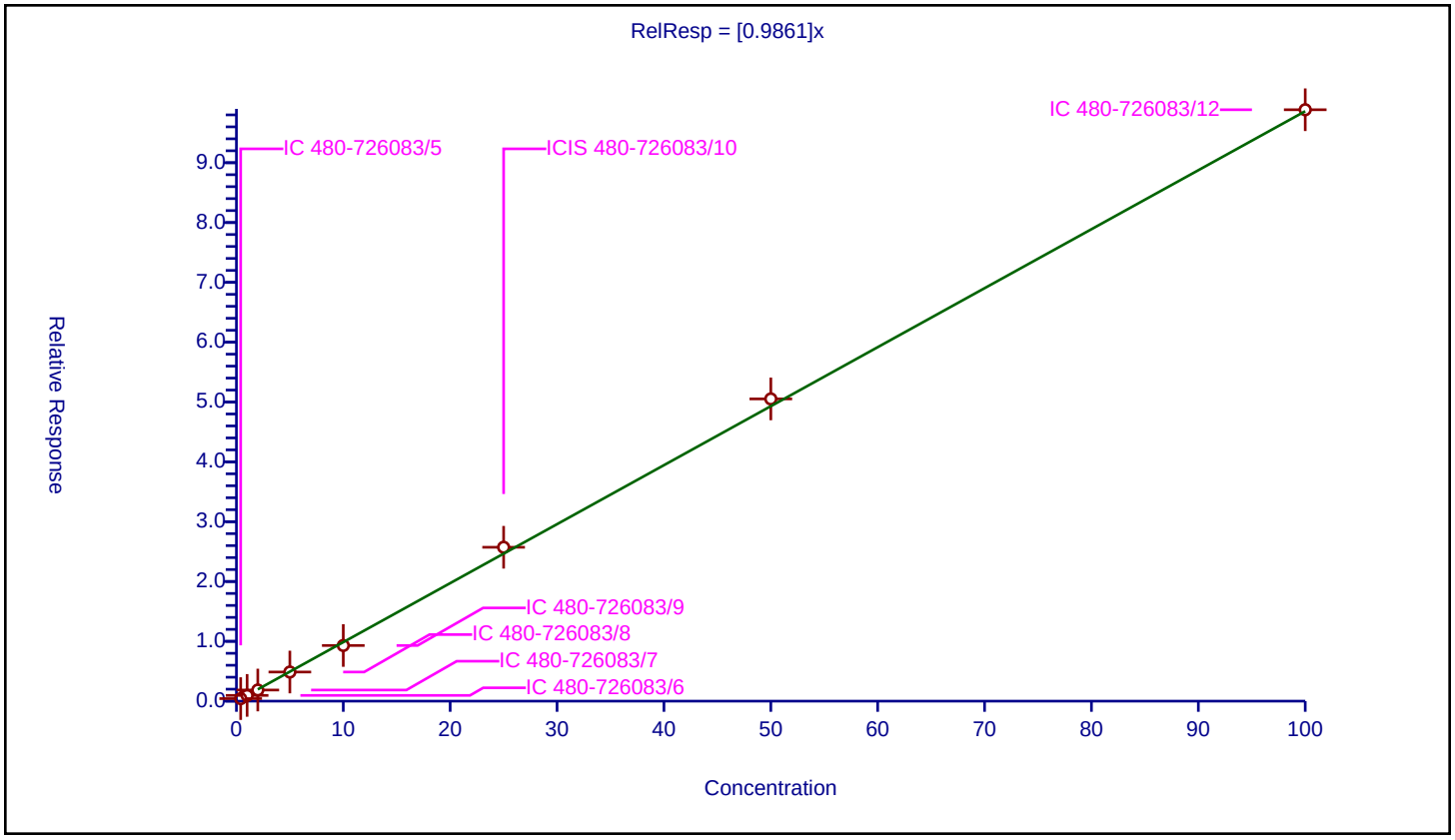
Curve Coefficients

Intercept:	0
Slope:	0.9861

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.426935	25.0	175495.0	1.067338	Y
2	IC 480-726083/6	1.0	0.960248	25.0	178053.0	0.960248	Y
3	IC 480-726083/7	2.0	1.859062	25.0	179405.0	0.929531	Y
4	IC 480-726083/8	5.0	4.867462	25.0	174742.0	0.973492	Y
5	IC 480-726083/9	10.0	9.303087	25.0	178645.0	0.930309	Y
6	ICIS 480-726083/10	25.0	25.720029	25.0	169646.0	1.028801	Y
7	IC 480-726083/11	50.0	50.51991	25.0	169741.0	1.010398	Y
8	IC 480-726083/12	100.0	98.856682	25.0	164871.0	0.988567	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

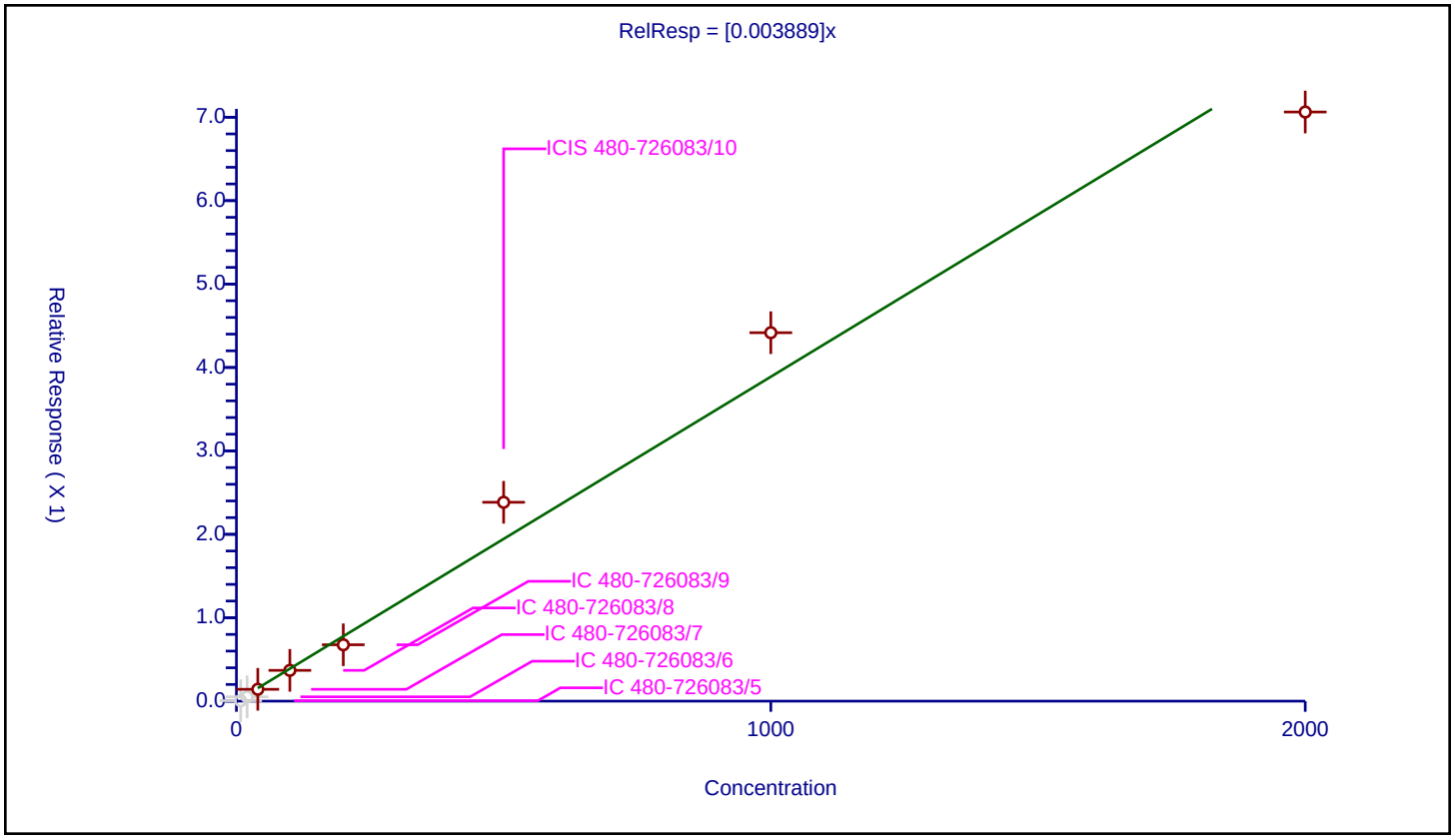
Curve Coefficients

Intercept:	0
Slope:	0.003889

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	8.0	0.005115	25.0	664717.0	0.000639	N
2	IC 480-726083/6	20.0	0.051448	25.0	659894.0	0.002572	N
3	IC 480-726083/7	40.0	0.141993	25.0	679965.0	0.00355	Y
4	IC 480-726083/8	100.0	0.368968	25.0	670722.0	0.00369	Y
5	IC 480-726083/9	200.0	0.675643	25.0	665255.0	0.003378	Y
6	ICIS 480-726083/10	500.0	2.384022	25.0	647687.0	0.004768	Y
7	IC 480-726083/11	1000.0	4.416933	25.0	637903.0	0.004417	Y
8	IC 480-726083/12	2000.0	7.062715	25.0	644476.0	0.003531	Y



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Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

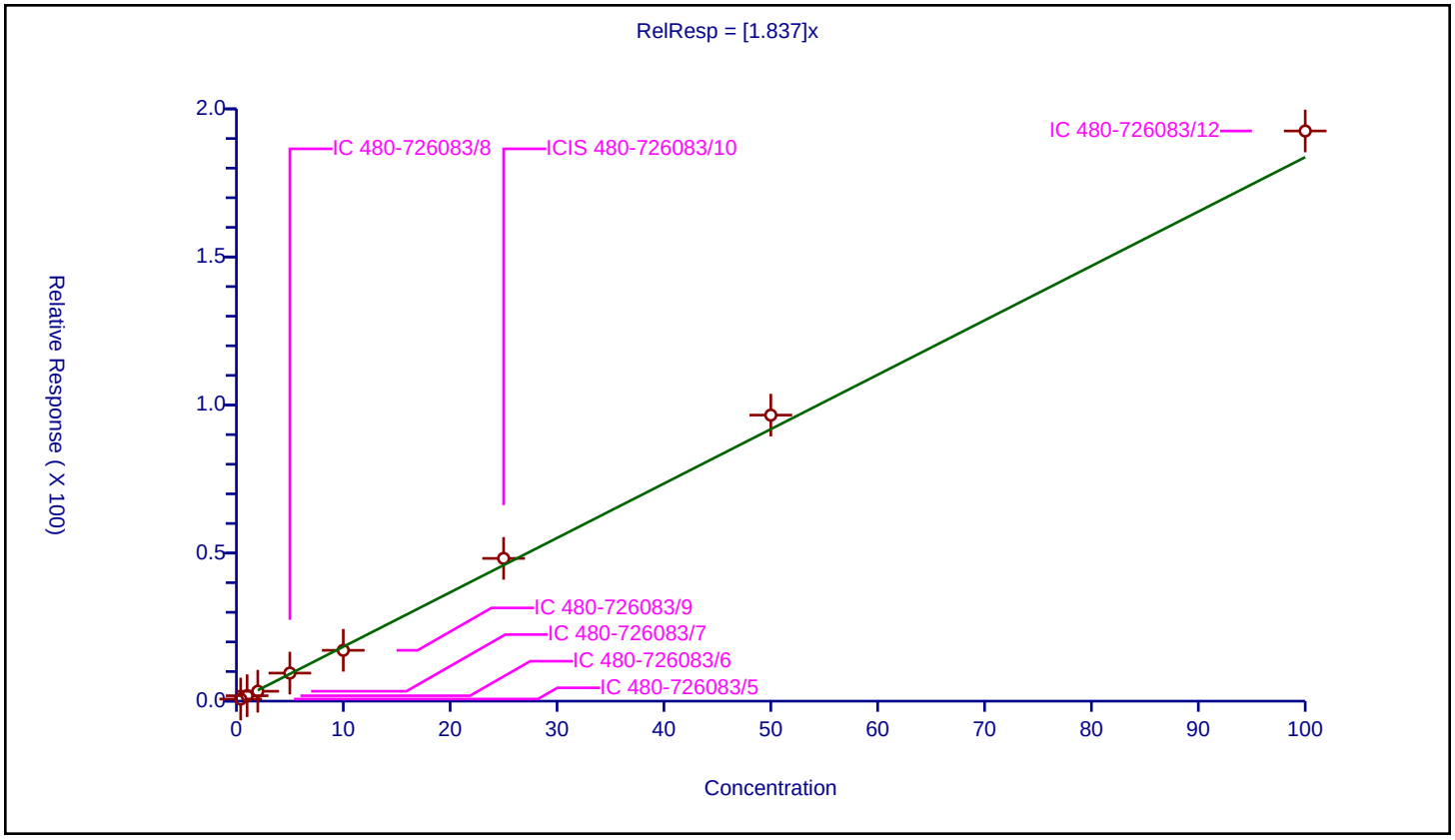
Curve Coefficients

Intercept:	0
Slope:	1.837

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.717827	25.0	175495.0	1.794567	Y
2	IC 480-726083/6	1.0	1.834285	25.0	178053.0	1.834285	Y
3	IC 480-726083/7	2.0	3.337839	25.0	179405.0	1.668919	Y
4	IC 480-726083/8	5.0	9.476543	25.0	174742.0	1.895309	Y
5	IC 480-726083/9	10.0	17.169666	25.0	178645.0	1.716967	Y
6	ICIS 480-726083/10	25.0	48.202581	25.0	169646.0	1.928103	Y
7	IC 480-726083/11	50.0	96.591425	25.0	169741.0	1.931828	Y
8	IC 480-726083/12	100.0	192.533557	25.0	164871.0	1.925336	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

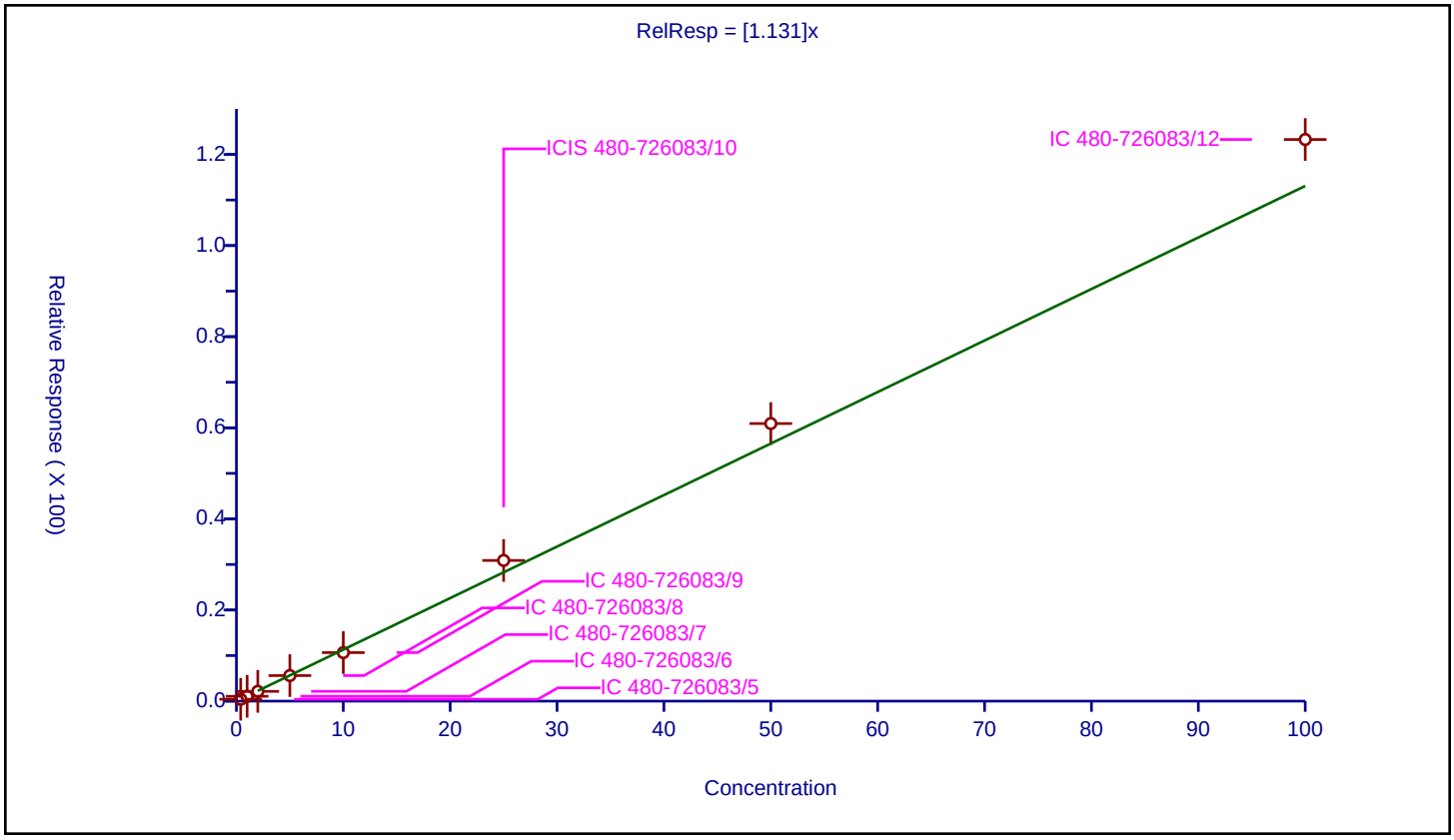
Curve Coefficients

Intercept:	0
Slope:	1.131

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.413545	25.0	175495.0	1.033861	Y
2	IC 480-726083/6	1.0	1.06443	25.0	178053.0	1.06443	Y
3	IC 480-726083/7	2.0	2.148491	25.0	179405.0	1.074245	Y
4	IC 480-726083/8	5.0	5.609127	25.0	174742.0	1.121825	Y
5	IC 480-726083/9	10.0	10.652971	25.0	178645.0	1.065297	Y
6	ICIS 480-726083/10	25.0	30.881807	25.0	169646.0	1.235272	Y
7	IC 480-726083/11	50.0	60.932686	25.0	169741.0	1.218654	Y
8	IC 480-726083/12	100.0	123.283506	25.0	164871.0	1.232835	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

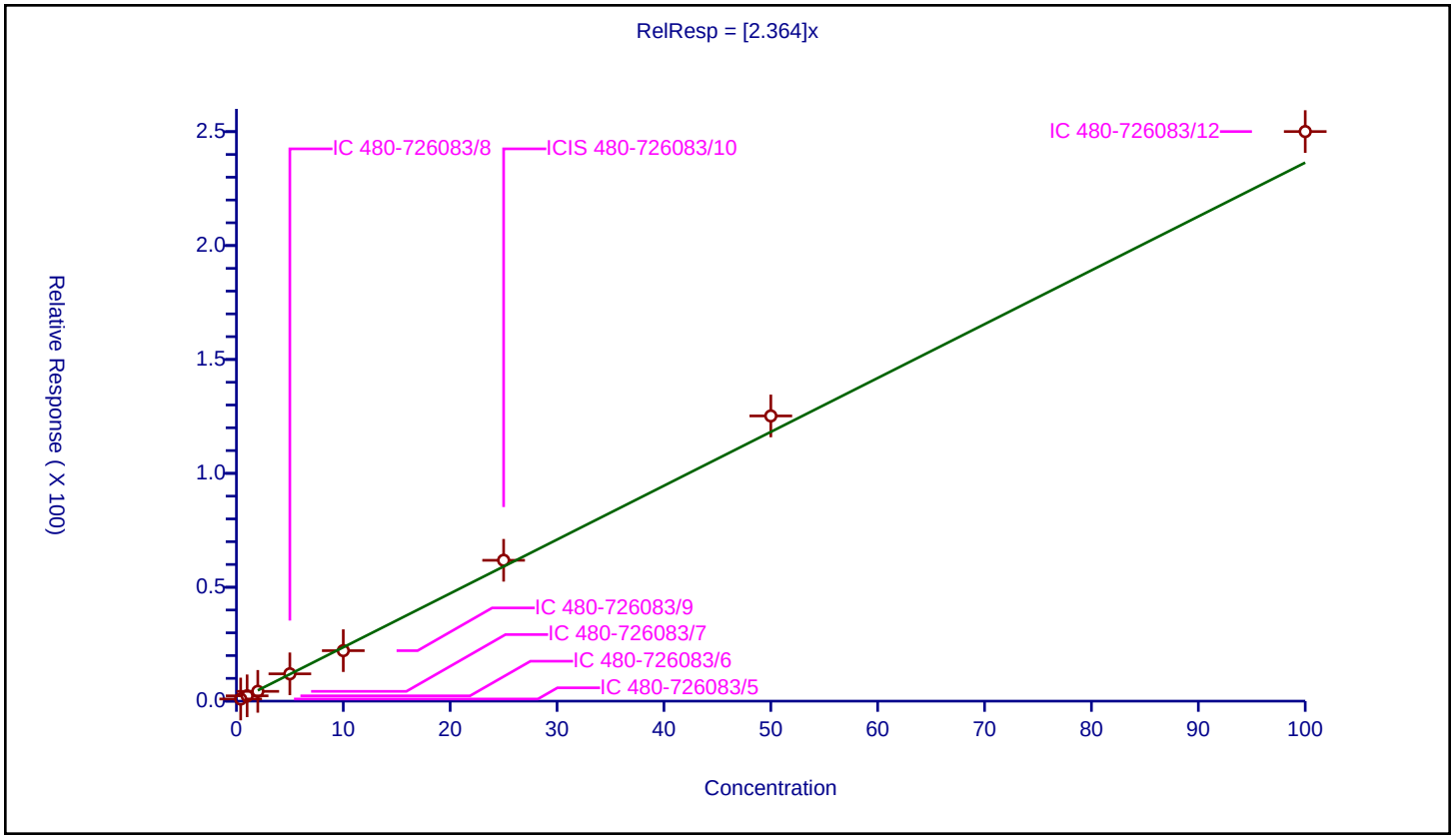
Curve Coefficients

Intercept:	0
Slope:	2.364

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.938631	25.0	175495.0	2.346577	Y
2	IC 480-726083/6	1.0	2.327959	25.0	178053.0	2.327959	Y
3	IC 480-726083/7	2.0	4.291268	25.0	179405.0	2.145634	Y
4	IC 480-726083/8	5.0	11.993539	25.0	174742.0	2.398708	Y
5	IC 480-726083/9	10.0	22.16043	25.0	178645.0	2.216043	Y
6	ICIS 480-726083/10	25.0	61.838475	25.0	169646.0	2.473539	Y
7	IC 480-726083/11	50.0	125.203398	25.0	169741.0	2.504068	Y
8	IC 480-726083/12	100.0	250.045793	25.0	164871.0	2.500458	Y



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Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

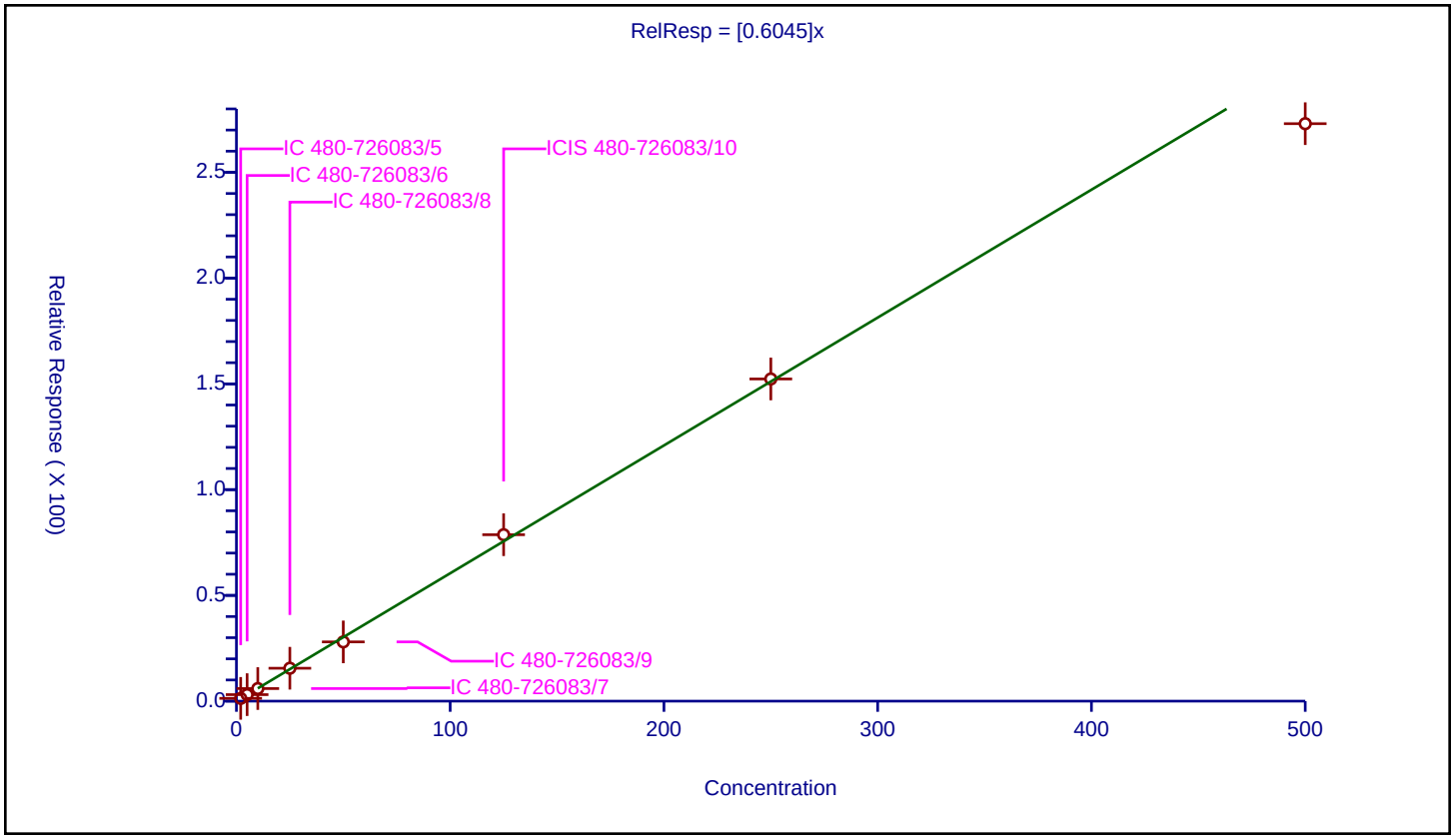
Curve Coefficients

Intercept:	0
Slope:	0.6045

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	2.0	1.314958	25.0	664717.0	0.657479	Y
2	IC 480-726083/6	5.0	3.080722	25.0	659894.0	0.616144	Y
3	IC 480-726083/7	10.0	5.948027	25.0	679965.0	0.594803	Y
4	IC 480-726083/8	25.0	15.557265	25.0	670722.0	0.622291	Y
5	IC 480-726083/9	50.0	28.006291	25.0	665255.0	0.560126	Y
6	ICIS 480-726083/10	125.0	78.680906	25.0	647687.0	0.629447	Y
7	IC 480-726083/11	250.0	152.321905	25.0	637903.0	0.609288	Y
8	IC 480-726083/12	500.0	273.012649	25.0	644476.0	0.546025	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

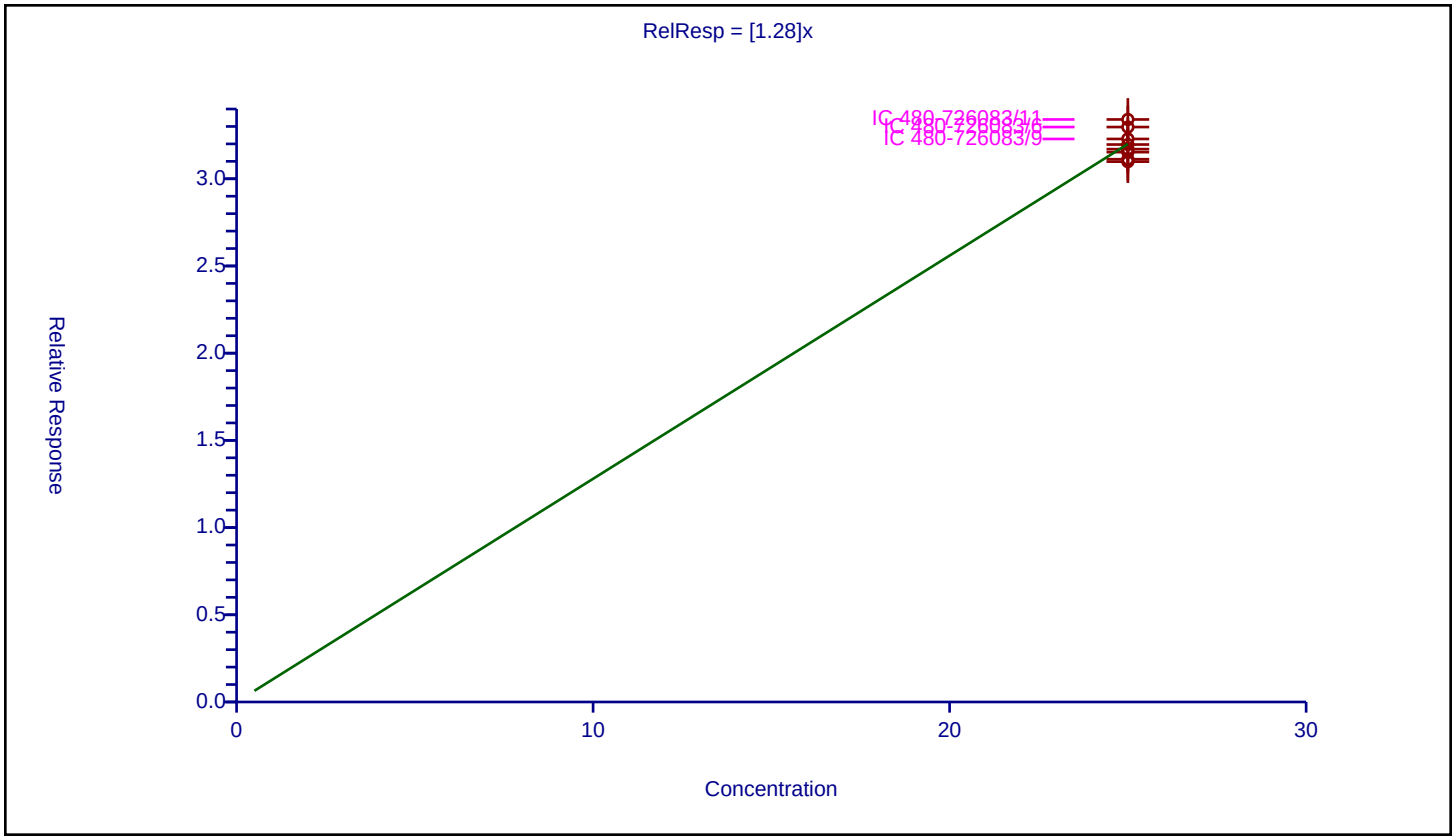
Curve Coefficients

Intercept:	0
Slope:	1.28

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	25.0	31.527364	25.0	664717.0	1.261095	Y
2	IC 480-726083/6	25.0	32.965863	25.0	659894.0	1.318635	Y
3	IC 480-726083/7	25.0	30.98108	25.0	679965.0	1.239243	Y
4	IC 480-726083/8	25.0	31.700578	25.0	670722.0	1.268023	Y
5	IC 480-726083/9	25.0	32.283373	25.0	665255.0	1.291335	Y
6	ICIS 480-726083/10	25.0	31.964012	25.0	647687.0	1.27856	Y
7	IC 480-726083/11	25.0	33.400415	25.0	637903.0	1.336017	Y
8	IC 480-726083/12	25.0	31.121446	25.0	644476.0	1.244858	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

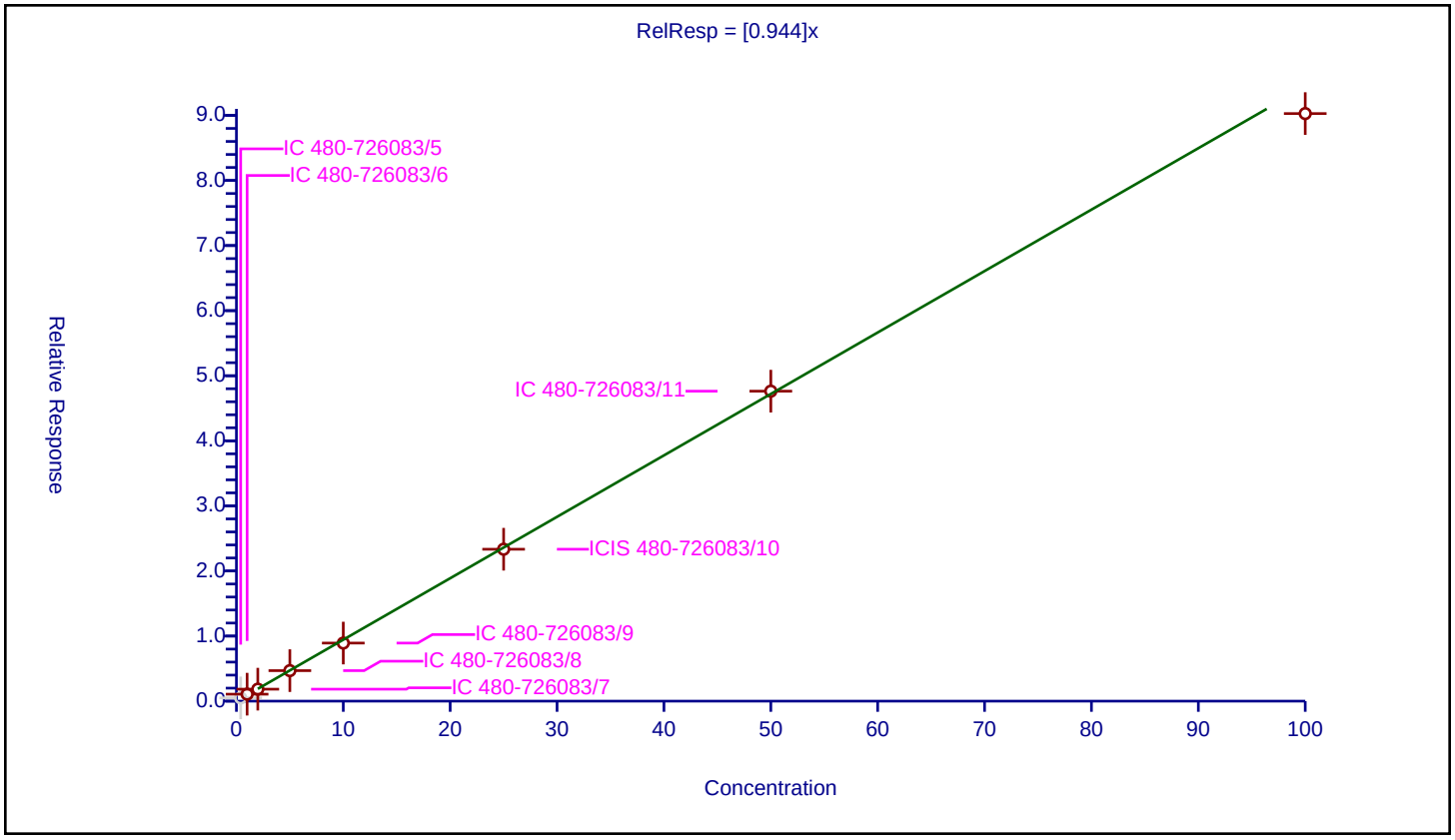
Curve Coefficients

Intercept:	0
Slope:	0.944

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.499498	25.0	664717.0	1.248746	N
2	IC 480-726083/6	1.0	1.068884	25.0	659894.0	1.068884	Y
3	IC 480-726083/7	2.0	1.840168	25.0	679965.0	0.920084	Y
4	IC 480-726083/8	5.0	4.688231	25.0	670722.0	0.937646	Y
5	IC 480-726083/9	10.0	8.924247	25.0	665255.0	0.892425	Y
6	ICIS 480-726083/10	25.0	23.33882	25.0	647687.0	0.933553	Y
7	IC 480-726083/11	50.0	47.629067	25.0	637903.0	0.952581	Y
8	IC 480-726083/12	100.0	90.28164	25.0	644476.0	0.902816	Y



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Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

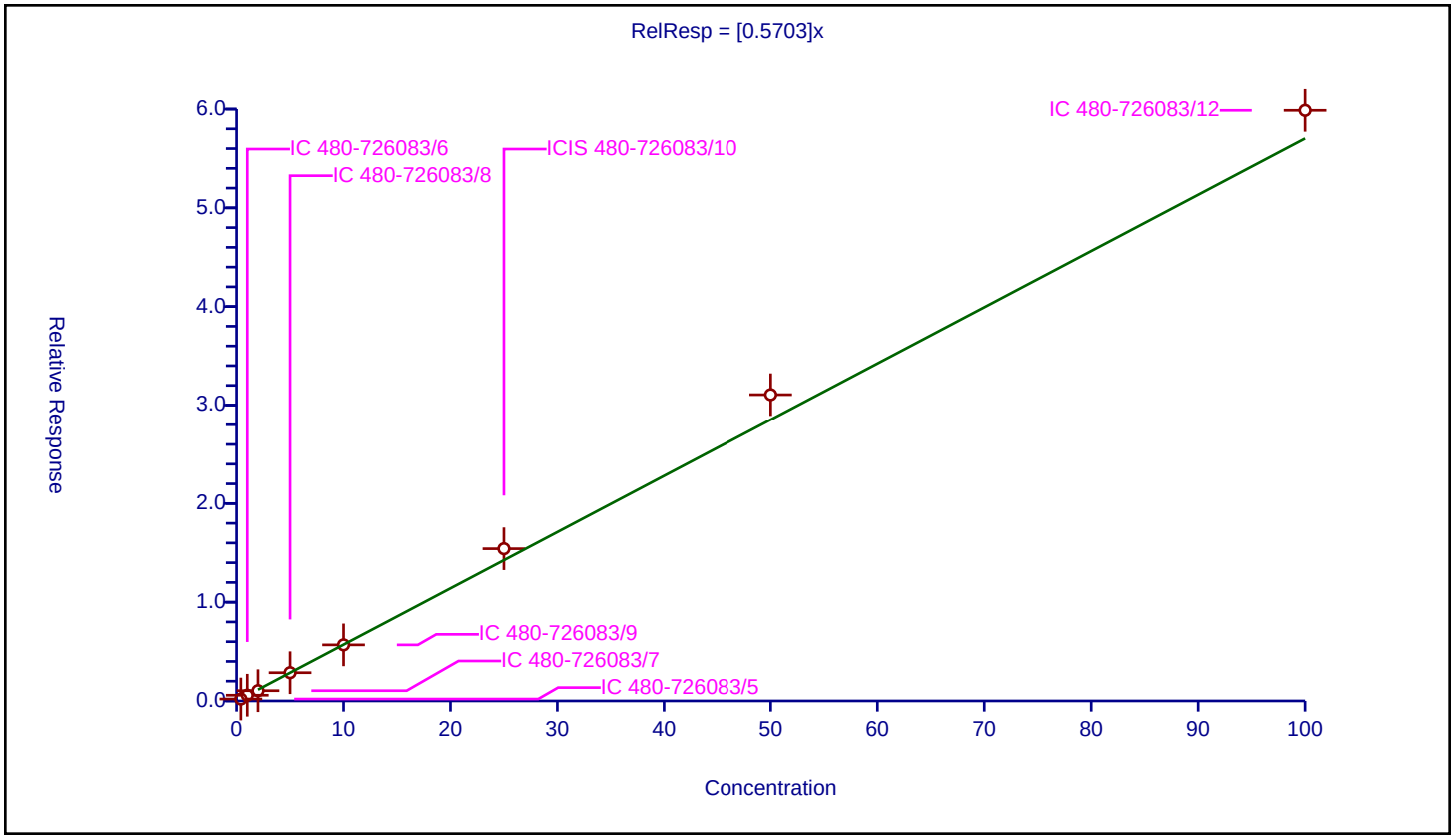
Curve Coefficients

Intercept:	0
Slope:	0.5703

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.194556	25.0	664717.0	0.486391	Y
2	IC 480-726083/6	1.0	0.579942	25.0	659894.0	0.579942	Y
3	IC 480-726083/7	2.0	1.03862	25.0	679965.0	0.51931	Y
4	IC 480-726083/8	5.0	2.859791	25.0	670722.0	0.571958	Y
5	IC 480-726083/9	10.0	5.679739	25.0	665255.0	0.567974	Y
6	ICIS 480-726083/10	25.0	15.419794	25.0	647687.0	0.616792	Y
7	IC 480-726083/11	50.0	31.059581	25.0	637903.0	0.621192	Y
8	IC 480-726083/12	100.0	59.874146	25.0	644476.0	0.598741	Y



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Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

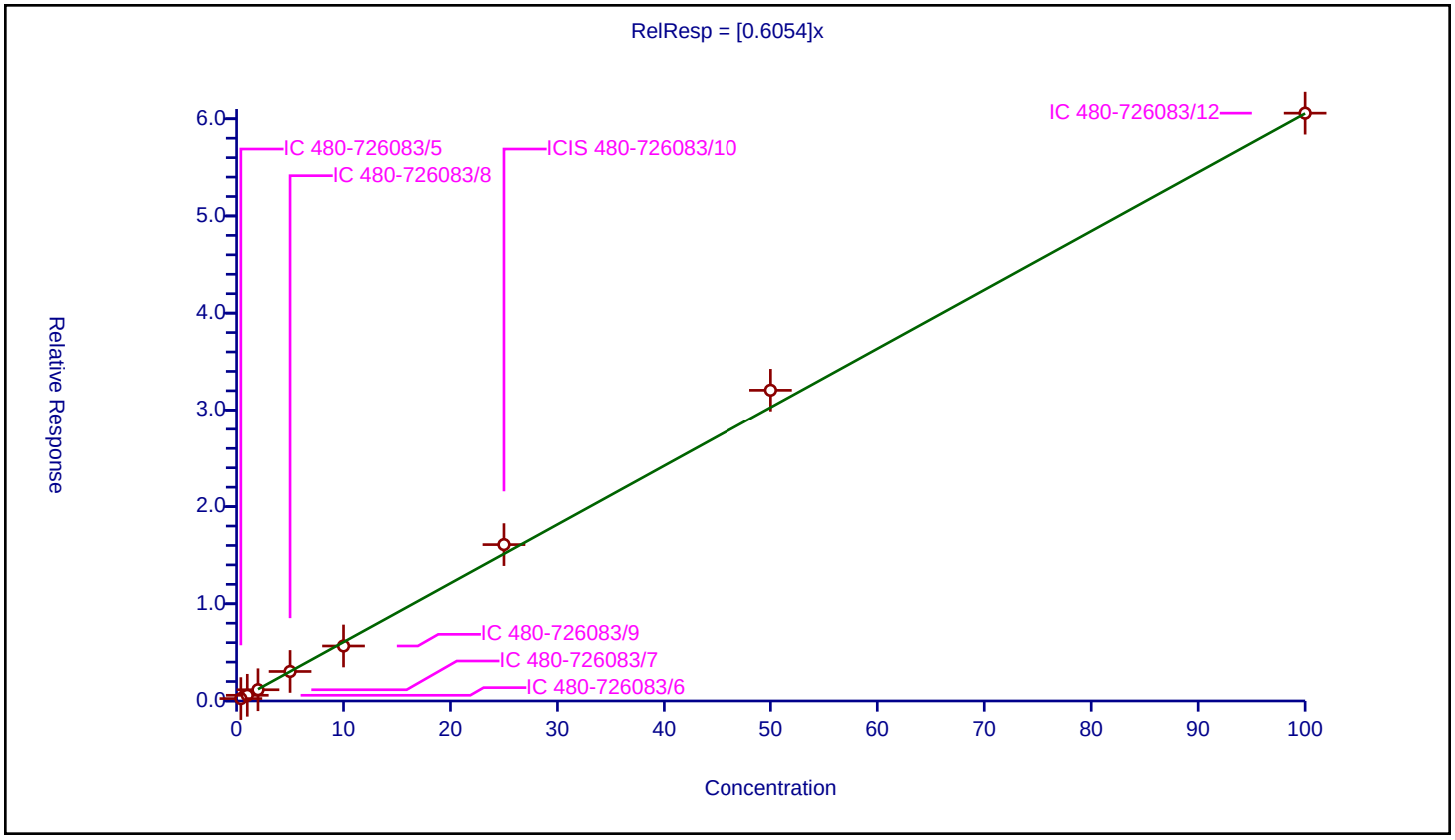
Curve Coefficients

Intercept:	0
Slope:	0.6054

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.246082	25.0	664717.0	0.615205	Y
2	IC 480-726083/6	1.0	0.586761	25.0	659894.0	0.586761	Y
3	IC 480-726083/7	2.0	1.156787	25.0	679965.0	0.578394	Y
4	IC 480-726083/8	5.0	3.035348	25.0	670722.0	0.60707	Y
5	IC 480-726083/9	10.0	5.656553	25.0	665255.0	0.565655	Y
6	ICIS 480-726083/10	25.0	16.088944	25.0	647687.0	0.643558	Y
7	IC 480-726083/11	50.0	32.056755	25.0	637903.0	0.641135	Y
8	IC 480-726083/12	100.0	60.575452	25.0	644476.0	0.605755	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

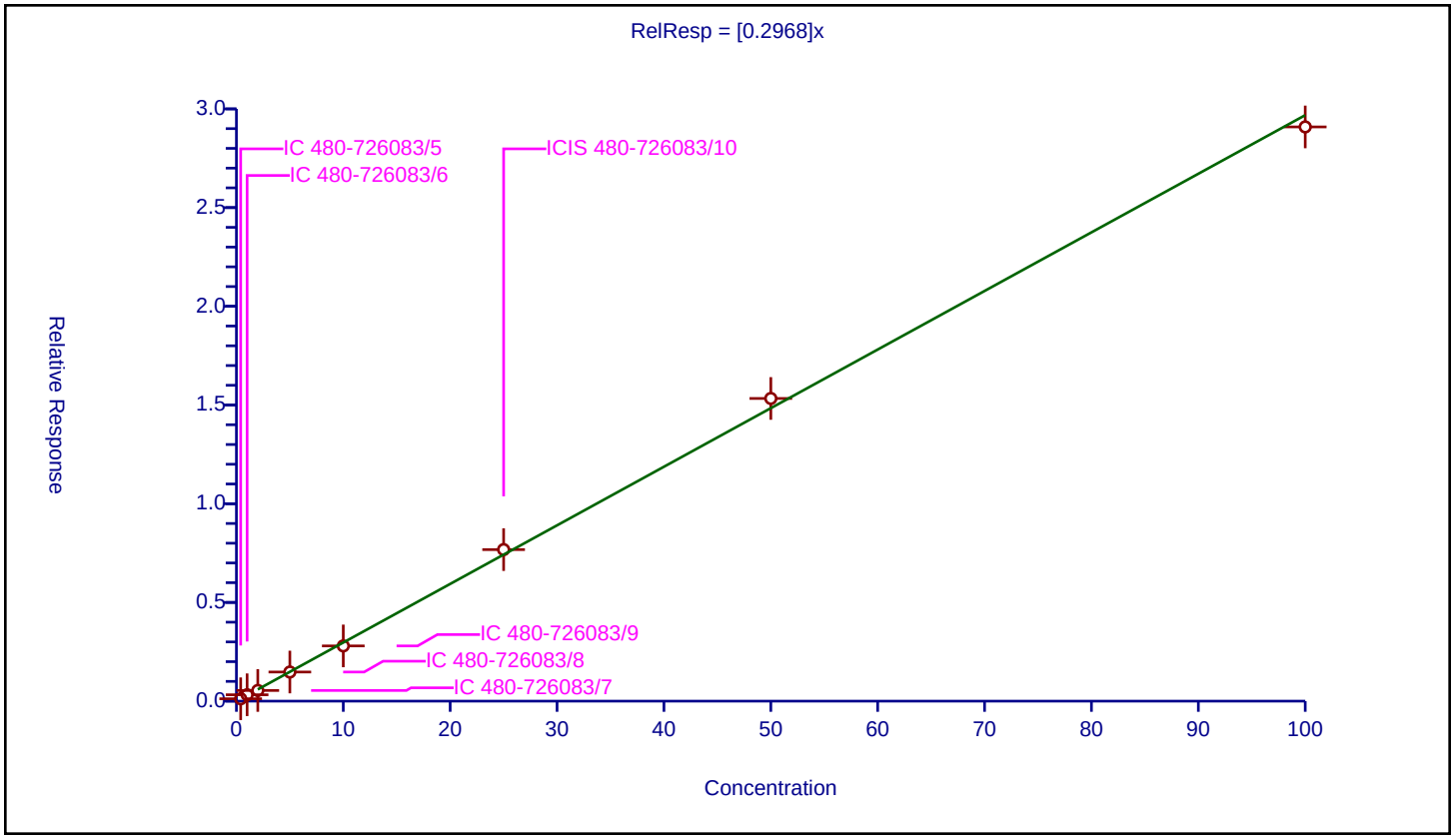
Curve Coefficients

Intercept:	0
Slope:	0.2968

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.12069	25.0	664717.0	0.301726	Y
2	IC 480-726083/6	1.0	0.323272	25.0	659894.0	0.323272	Y
3	IC 480-726083/7	2.0	0.540616	25.0	679965.0	0.270308	Y
4	IC 480-726083/8	5.0	1.47468	25.0	670722.0	0.294936	Y
5	IC 480-726083/9	10.0	2.797874	25.0	665255.0	0.279787	Y
6	ICIS 480-726083/10	25.0	7.675235	25.0	647687.0	0.307009	Y
7	IC 480-726083/11	50.0	15.332543	25.0	637903.0	0.306651	Y
8	IC 480-726083/12	100.0	29.087002	25.0	644476.0	0.29087	Y



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Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

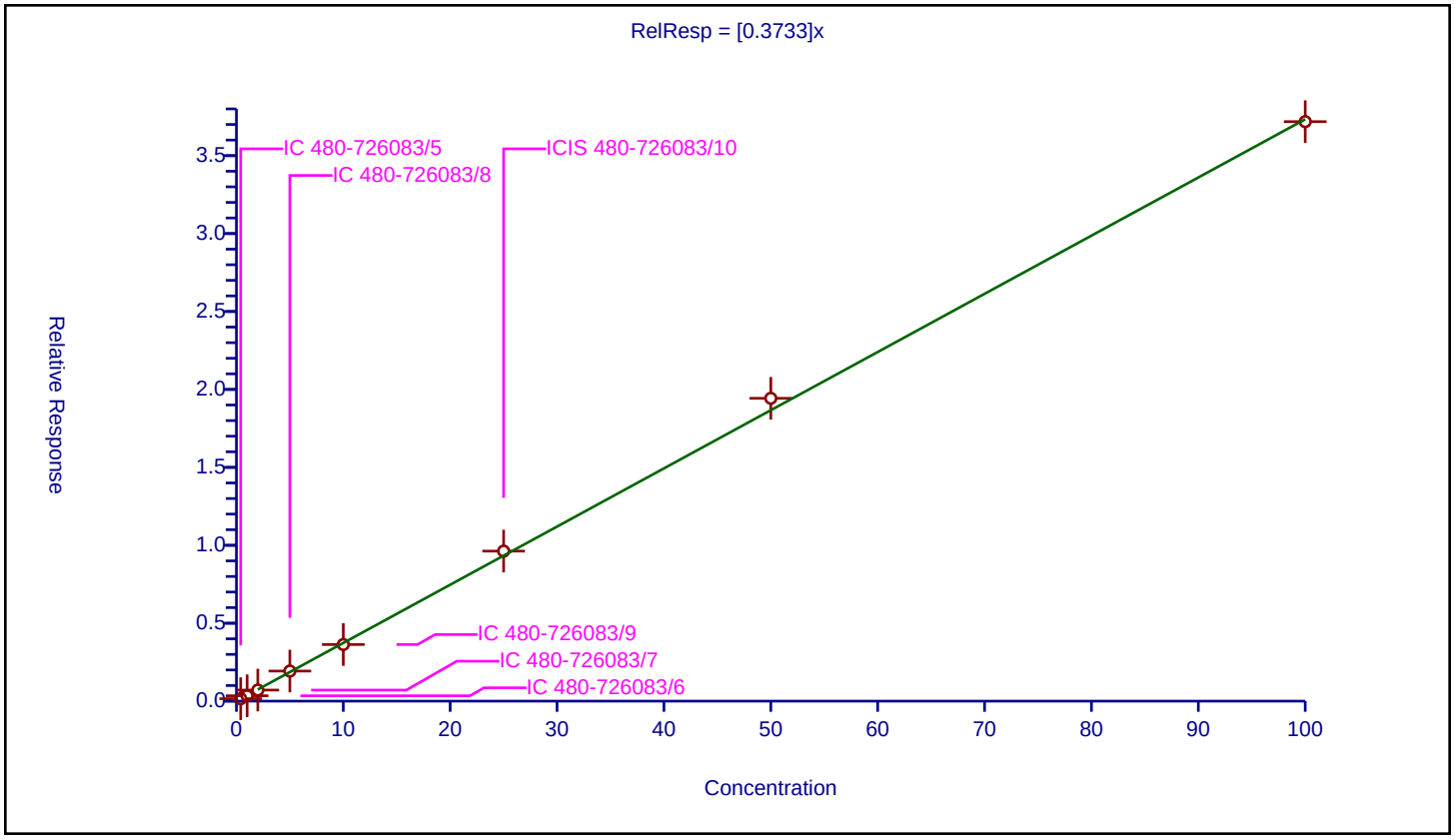
Curve Coefficients

Intercept:	0
Slope:	0.3733

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.156758	25.0	664717.0	0.391896	Y
2	IC 480-726083/6	1.0	0.344828	25.0	659894.0	0.344828	Y
3	IC 480-726083/7	2.0	0.71011	25.0	679965.0	0.355055	Y
4	IC 480-726083/8	5.0	1.930942	25.0	670722.0	0.386188	Y
5	IC 480-726083/9	10.0	3.63169	25.0	665255.0	0.363169	Y
6	ICIS 480-726083/10	25.0	9.627528	25.0	647687.0	0.385101	Y
7	IC 480-726083/11	50.0	19.431089	25.0	637903.0	0.388622	Y
8	IC 480-726083/12	100.0	37.181835	25.0	644476.0	0.371818	Y



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Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

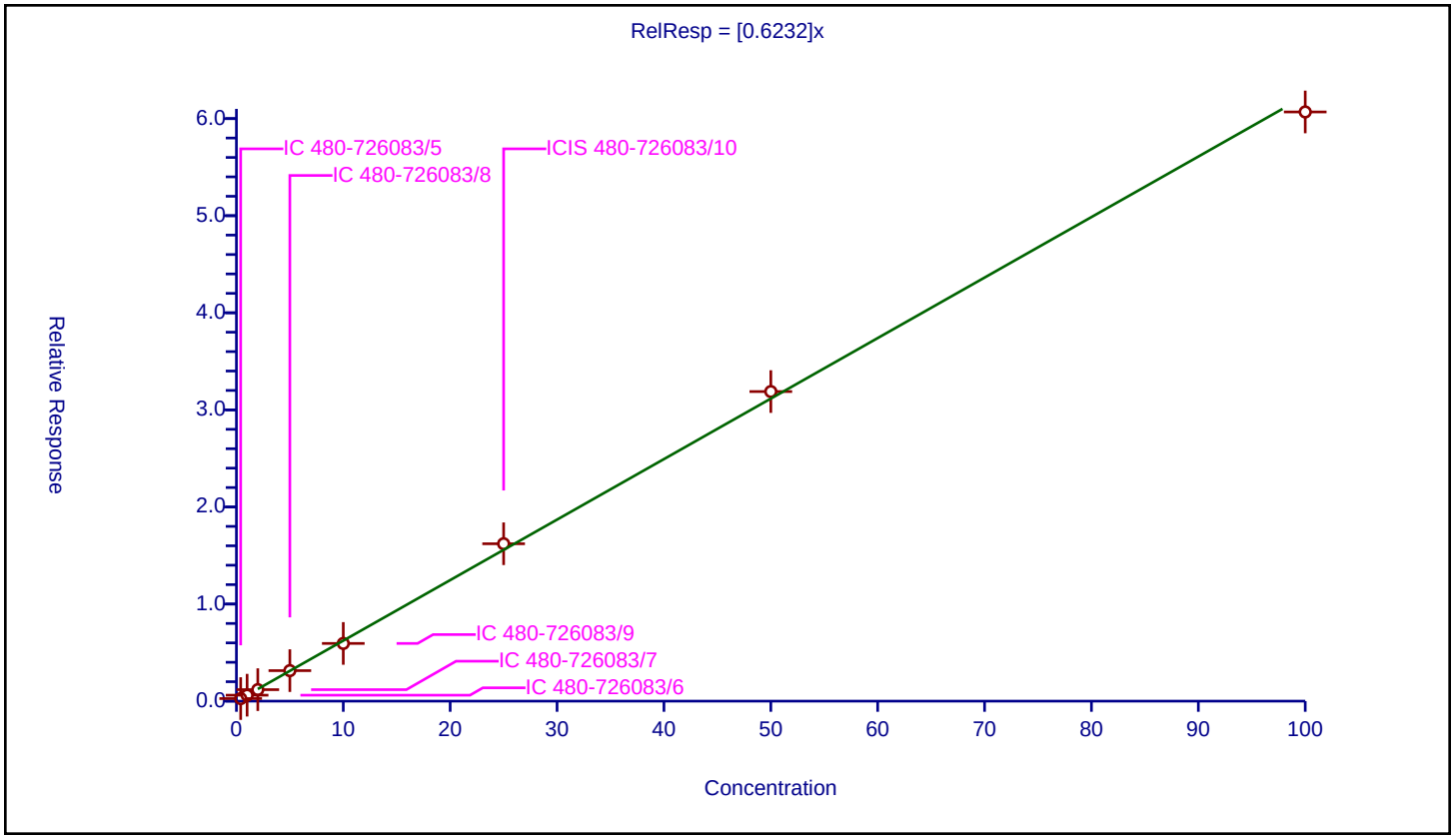
Curve Coefficients

Intercept:	0
Slope:	0.6232

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.26594	25.0	664717.0	0.664851	Y
2	IC 480-726083/6	1.0	0.613394	25.0	659894.0	0.613394	Y
3	IC 480-726083/7	2.0	1.183627	25.0	679965.0	0.591814	Y
4	IC 480-726083/8	5.0	3.141801	25.0	670722.0	0.62836	Y
5	IC 480-726083/9	10.0	5.942872	25.0	665255.0	0.594287	Y
6	ICIS 480-726083/10	25.0	16.212383	25.0	647687.0	0.648495	Y
7	IC 480-726083/11	50.0	31.887176	25.0	637903.0	0.637744	Y
8	IC 480-726083/12	100.0	60.684727	25.0	644476.0	0.606847	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

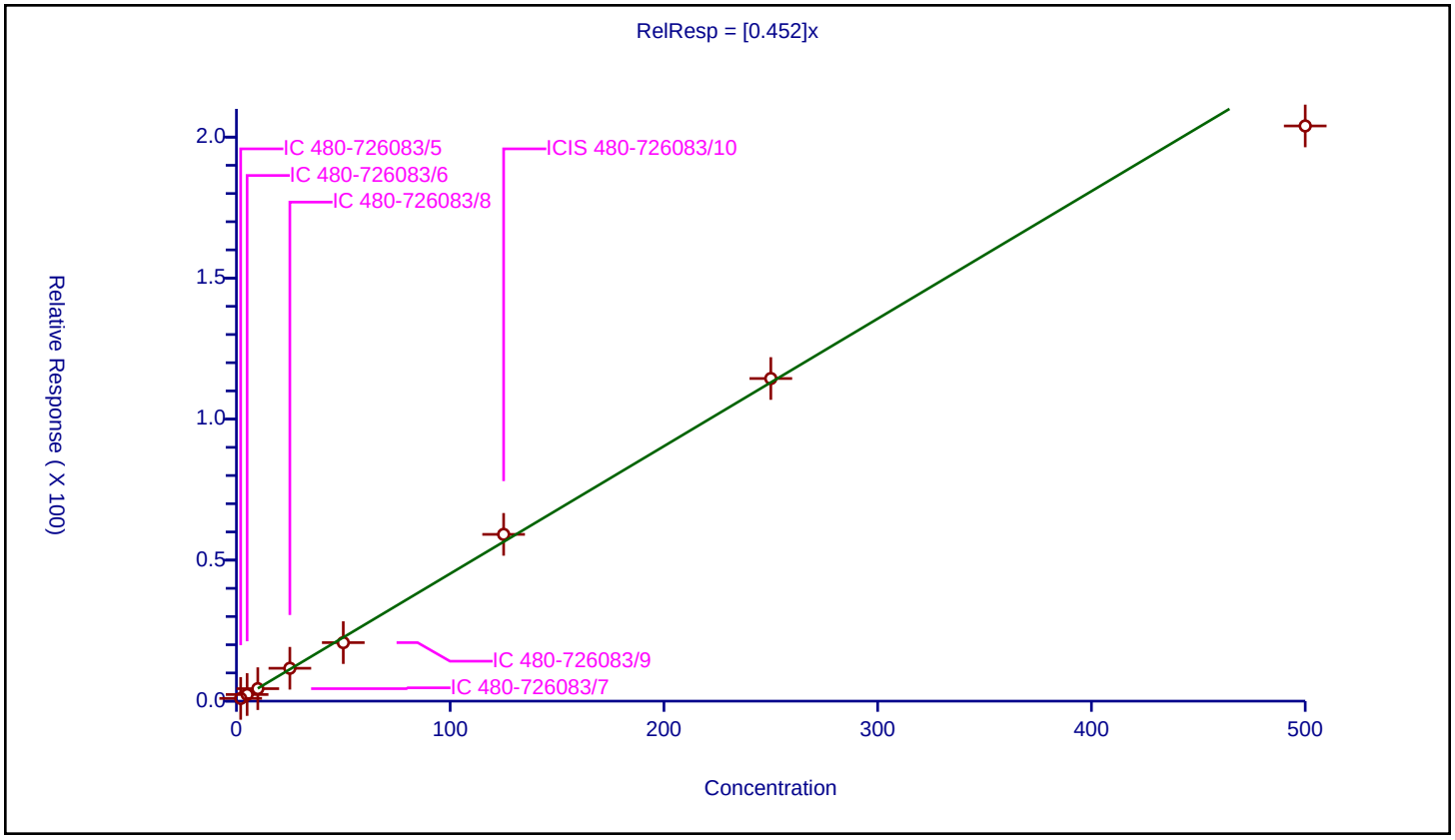
Curve Coefficients

Intercept:	0
Slope:	0.452

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	2.0	0.967968	25.0	664717.0	0.483984	Y
2	IC 480-726083/6	5.0	2.349392	25.0	659894.0	0.469878	Y
3	IC 480-726083/7	10.0	4.424823	25.0	679965.0	0.442482	Y
4	IC 480-726083/8	25.0	11.658668	25.0	670722.0	0.466347	Y
5	IC 480-726083/9	50.0	20.748284	25.0	665255.0	0.414966	Y
6	ICIS 480-726083/10	125.0	59.131648	25.0	647687.0	0.473053	Y
7	IC 480-726083/11	250.0	114.403561	25.0	637903.0	0.457614	Y
8	IC 480-726083/12	500.0	203.957944	25.0	644476.0	0.407916	Y



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Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

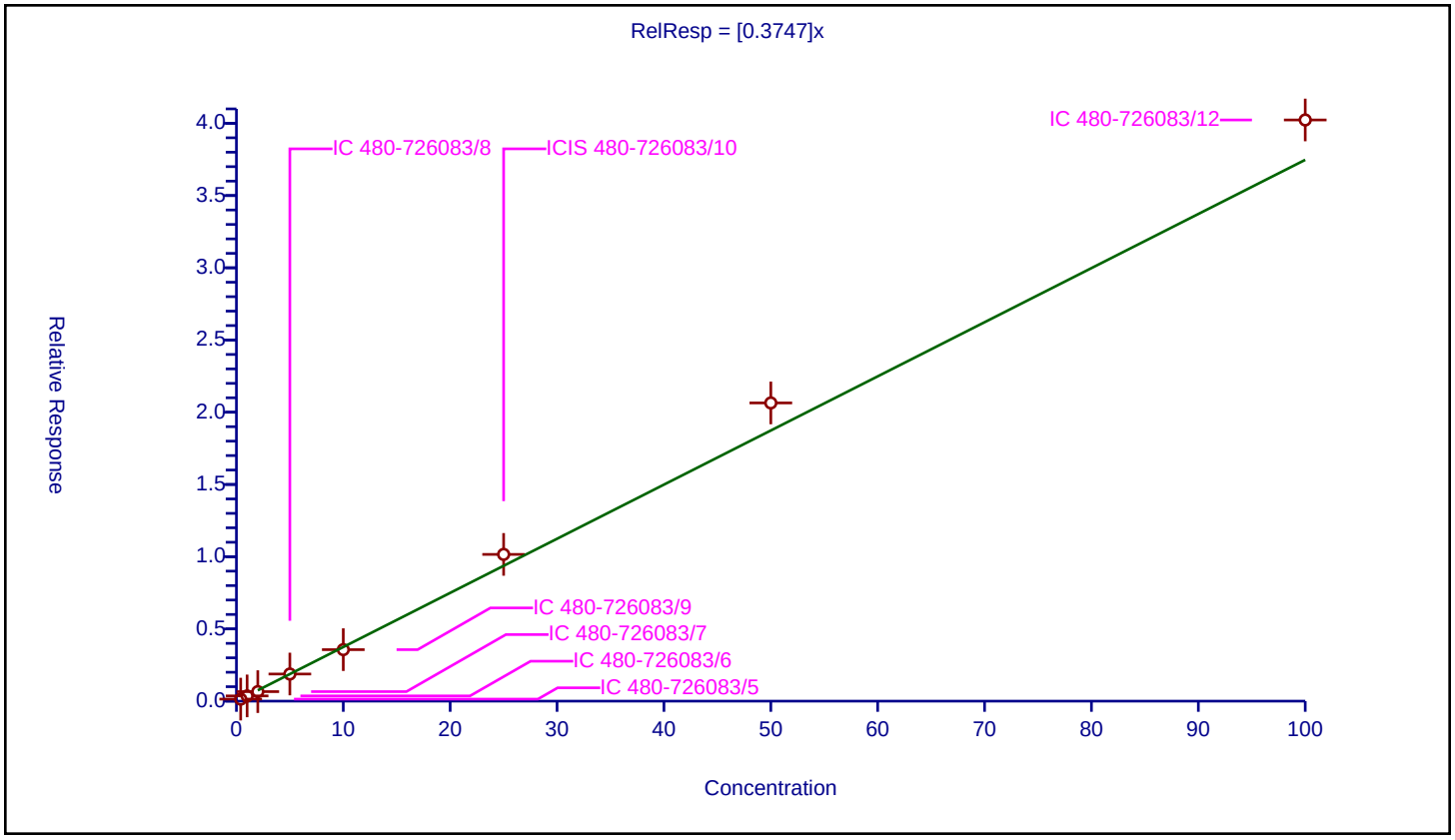
Curve Coefficients

Intercept:	0
Slope:	0.3747

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.141037	25.0	664717.0	0.352594	Y
2	IC 480-726083/6	1.0	0.362066	25.0	659894.0	0.362066	Y
3	IC 480-726083/7	2.0	0.659409	25.0	679965.0	0.329704	Y
4	IC 480-726083/8	5.0	1.877082	25.0	670722.0	0.375416	Y
5	IC 480-726083/9	10.0	3.564235	25.0	665255.0	0.356423	Y
6	ICIS 480-726083/10	25.0	10.158842	25.0	647687.0	0.406354	Y
7	IC 480-726083/11	50.0	20.643382	25.0	637903.0	0.412868	Y
8	IC 480-726083/12	100.0	40.2335	25.0	644476.0	0.402335	Y



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Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

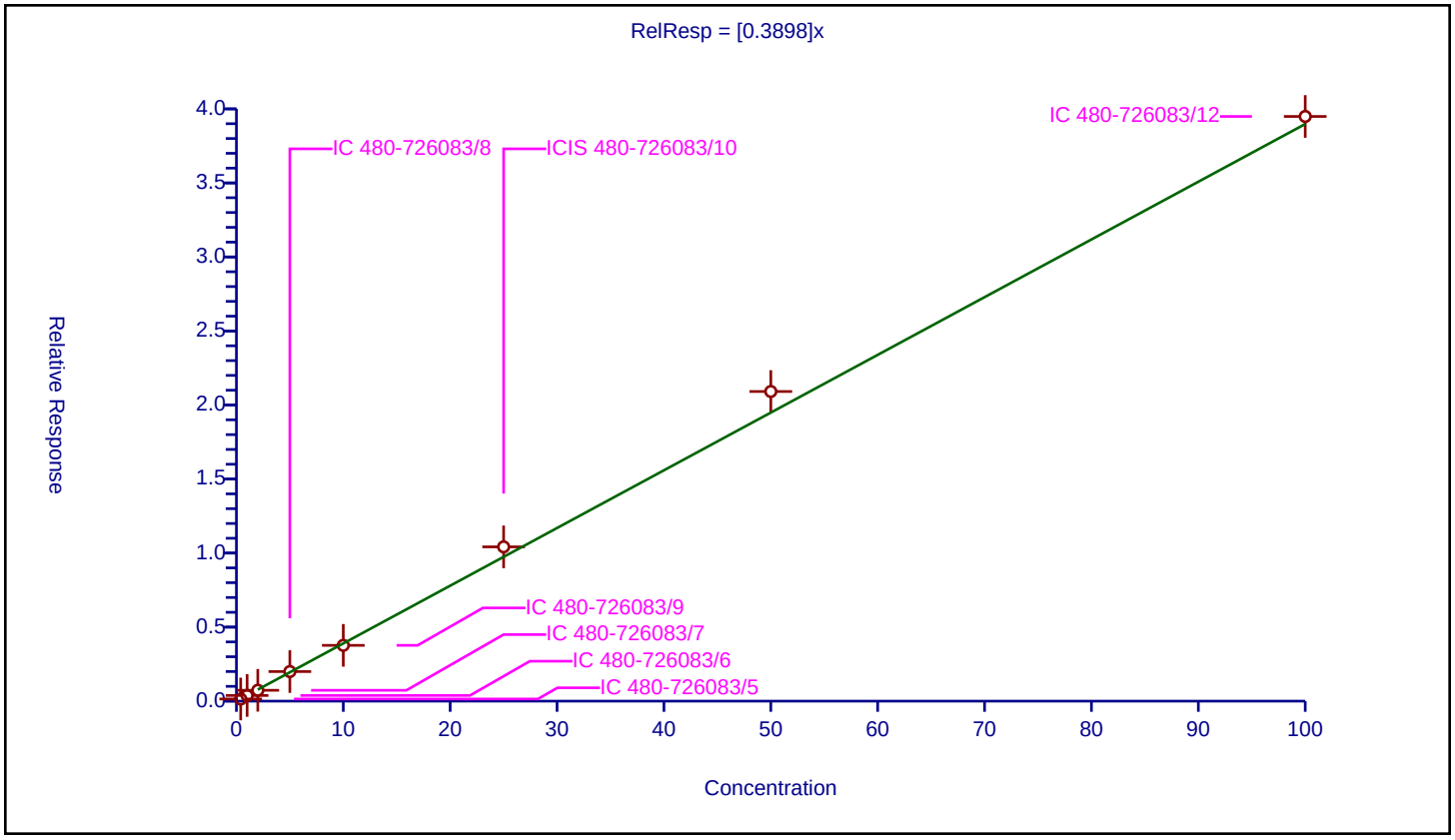
Curve Coefficients

Intercept:	0
Slope:	0.3898

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.145663	25.0	664717.0	0.364159	Y
2	IC 480-726083/6	1.0	0.381425	25.0	659894.0	0.381425	Y
3	IC 480-726083/7	2.0	0.732648	25.0	679965.0	0.366324	Y
4	IC 480-726083/8	5.0	1.997884	25.0	670722.0	0.399577	Y
5	IC 480-726083/9	10.0	3.767089	25.0	665255.0	0.376709	Y
6	ICIS 480-726083/10	25.0	10.420002	25.0	647687.0	0.4168	Y
7	IC 480-726083/11	50.0	20.913289	25.0	637903.0	0.418266	Y
8	IC 480-726083/12	100.0	39.489834	25.0	644476.0	0.394898	Y



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Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

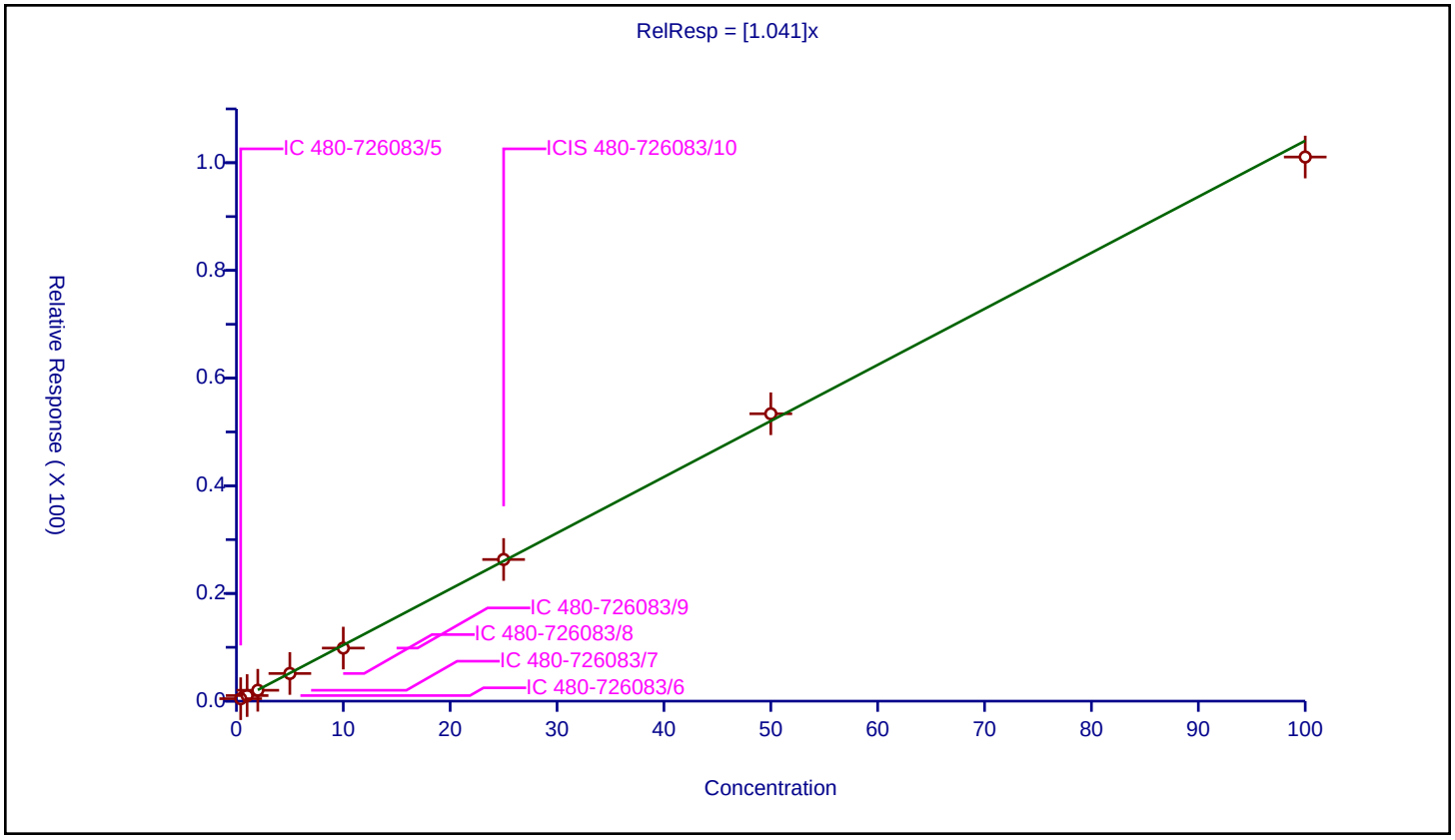
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.455645	25.0	664717.0	1.139113	Y
2	IC 480-726083/6	1.0	1.034295	25.0	659894.0	1.034295	Y
3	IC 480-726083/7	2.0	2.019001	25.0	679965.0	1.0095	Y
4	IC 480-726083/8	5.0	5.138157	25.0	670722.0	1.027631	Y
5	IC 480-726083/9	10.0	9.85592	25.0	665255.0	0.985592	Y
6	ICIS 480-726083/10	25.0	26.312015	25.0	647687.0	1.052481	Y
7	IC 480-726083/11	50.0	53.376807	25.0	637903.0	1.067536	Y
8	IC 480-726083/12	100.0	101.0635	25.0	644476.0	1.010635	Y



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Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

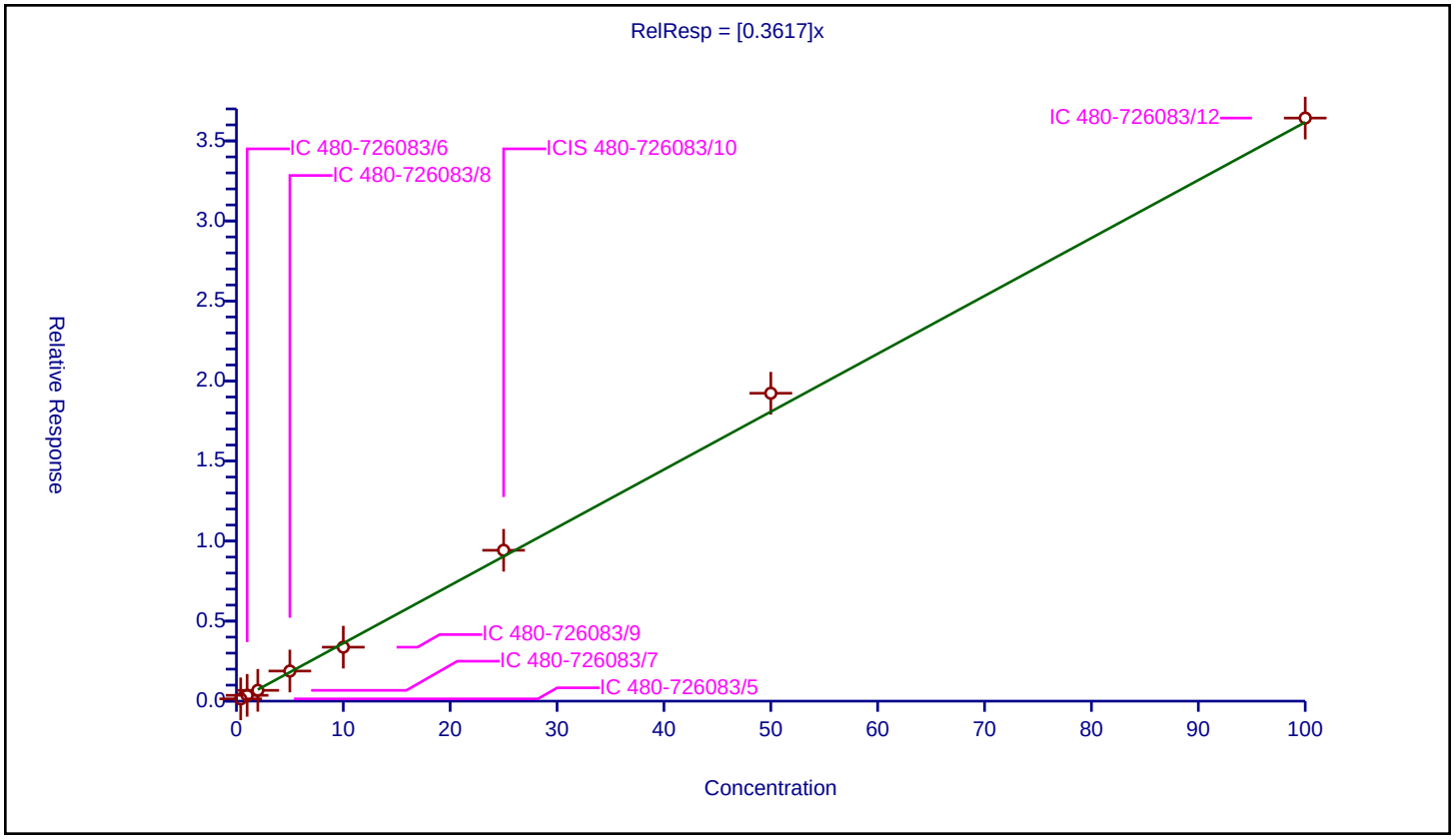
Curve Coefficients

Intercept:	0
Slope:	0.3617

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.141489	25.0	664717.0	0.353722	Y
2	IC 480-726083/6	1.0	0.363089	25.0	659894.0	0.363089	Y
3	IC 480-726083/7	2.0	0.674594	25.0	679965.0	0.337297	Y
4	IC 480-726083/8	5.0	1.88025	25.0	670722.0	0.37605	Y
5	IC 480-726083/9	10.0	3.371715	25.0	665255.0	0.337171	Y
6	ICIS 480-726083/10	25.0	9.42554	25.0	647687.0	0.377022	Y
7	IC 480-726083/11	50.0	19.235683	25.0	637903.0	0.384714	Y
8	IC 480-726083/12	100.0	36.427268	25.0	644476.0	0.364273	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

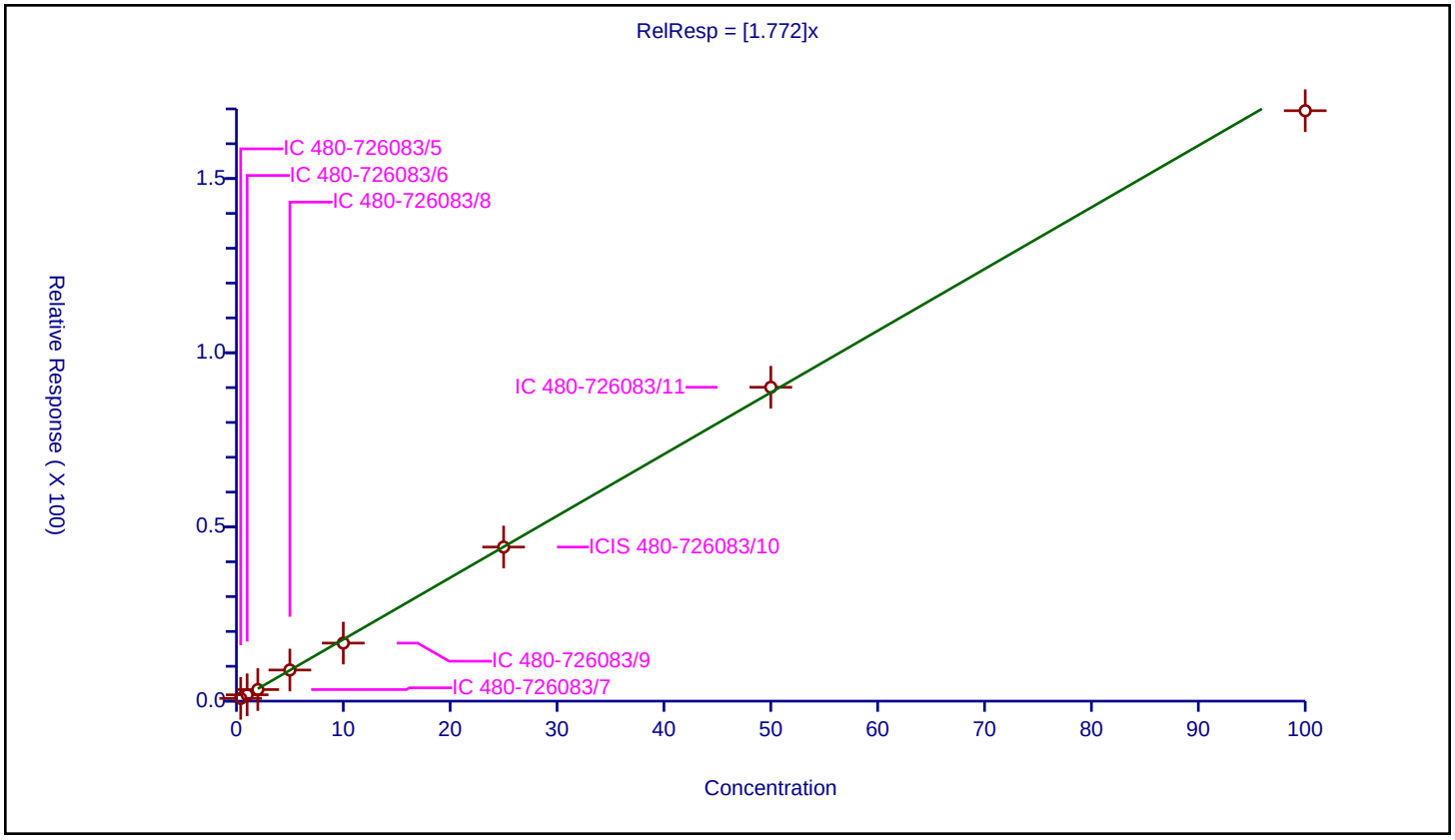
Curve Coefficients

Intercept:	0
Slope:	1.772

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.792706	25.0	664717.0	1.981764	Y
2	IC 480-726083/6	1.0	1.814231	25.0	659894.0	1.814231	Y
3	IC 480-726083/7	2.0	3.318038	25.0	679965.0	1.659019	Y
4	IC 480-726083/8	5.0	8.936005	25.0	670722.0	1.787201	Y
5	IC 480-726083/9	10.0	16.662408	25.0	665255.0	1.666241	Y
6	ICIS 480-726083/10	25.0	44.230662	25.0	647687.0	1.769226	Y
7	IC 480-726083/11	50.0	90.097907	25.0	637903.0	1.801958	Y
8	IC 480-726083/12	100.0	169.482184	25.0	644476.0	1.694822	Y



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Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

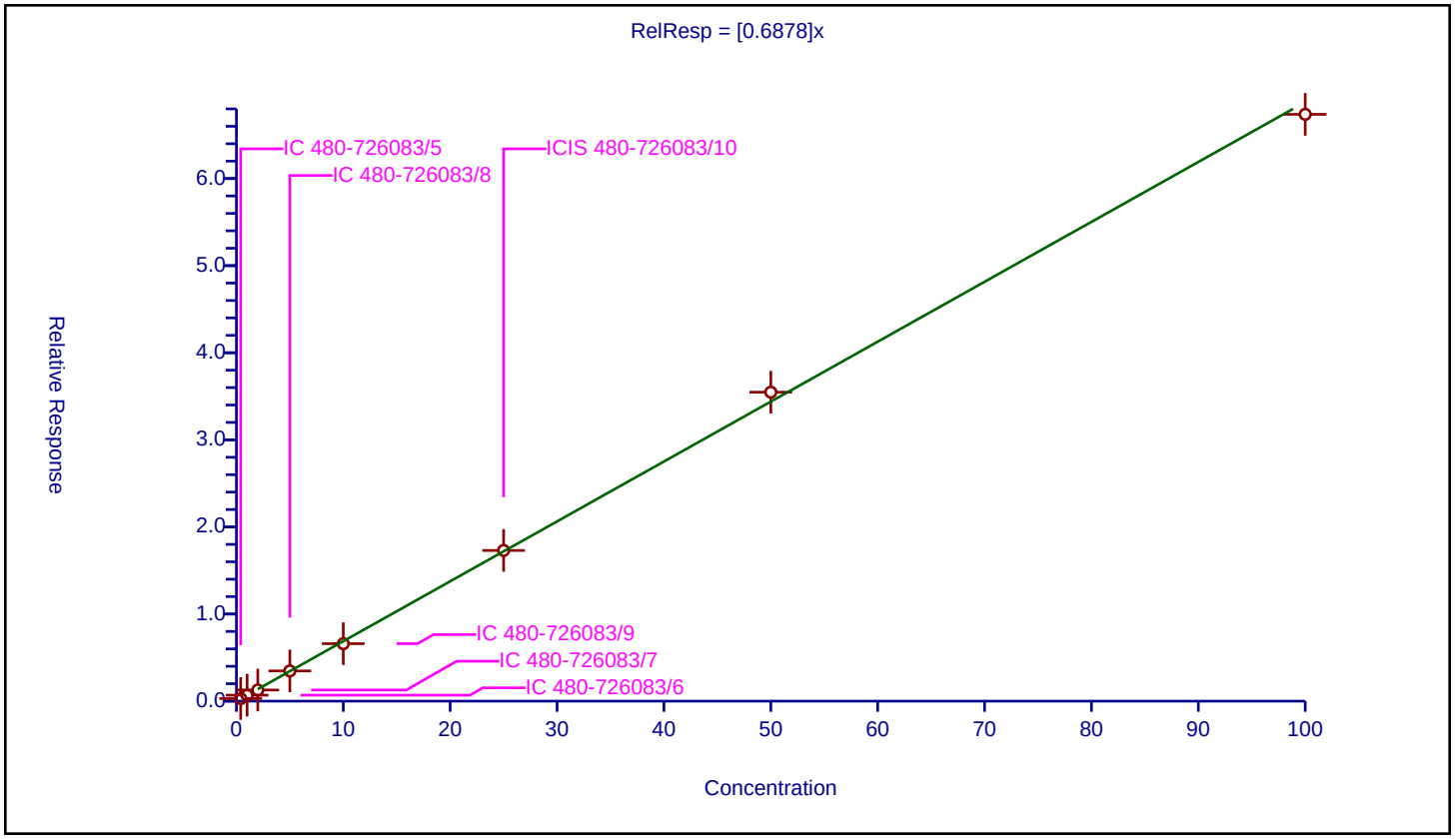
Curve Coefficients

Intercept:	0
Slope:	0.6878

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.298548	25.0	664717.0	0.74637	Y
2	IC 480-726083/6	1.0	0.686739	25.0	659894.0	0.686739	Y
3	IC 480-726083/7	2.0	1.280654	25.0	679965.0	0.640327	Y
4	IC 480-726083/8	5.0	3.469694	25.0	670722.0	0.693939	Y
5	IC 480-726083/9	10.0	6.599124	25.0	665255.0	0.659912	Y
6	ICIS 480-726083/10	25.0	17.302262	25.0	647687.0	0.69209	Y
7	IC 480-726083/11	50.0	35.473575	25.0	637903.0	0.709472	Y
8	IC 480-726083/12	100.0	67.373029	25.0	644476.0	0.67373	Y



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Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

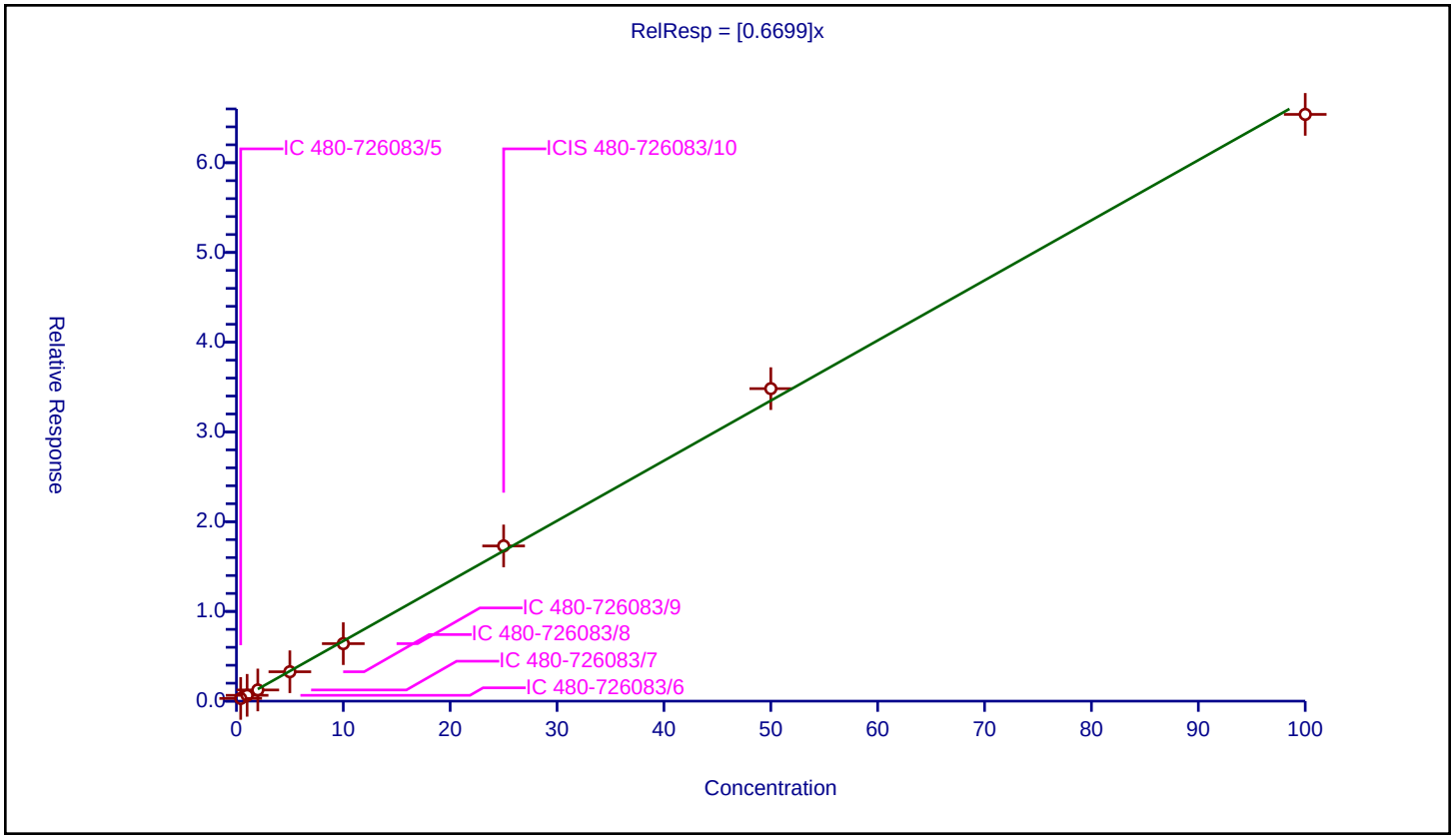
Curve Coefficients

Intercept:	0
Slope:	0.6699

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.299864	25.0	664717.0	0.749661	Y
2	IC 480-726083/6	1.0	0.648665	25.0	659894.0	0.648665	Y
3	IC 480-726083/7	2.0	1.245174	25.0	679965.0	0.622587	Y
4	IC 480-726083/8	5.0	3.274904	25.0	670722.0	0.654981	Y
5	IC 480-726083/9	10.0	6.407731	25.0	665255.0	0.640773	Y
6	ICIS 480-726083/10	25.0	17.295353	25.0	647687.0	0.691814	Y
7	IC 480-726083/11	50.0	34.82477	25.0	637903.0	0.696495	Y
8	IC 480-726083/12	100.0	65.389673	25.0	644476.0	0.653897	Y



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Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

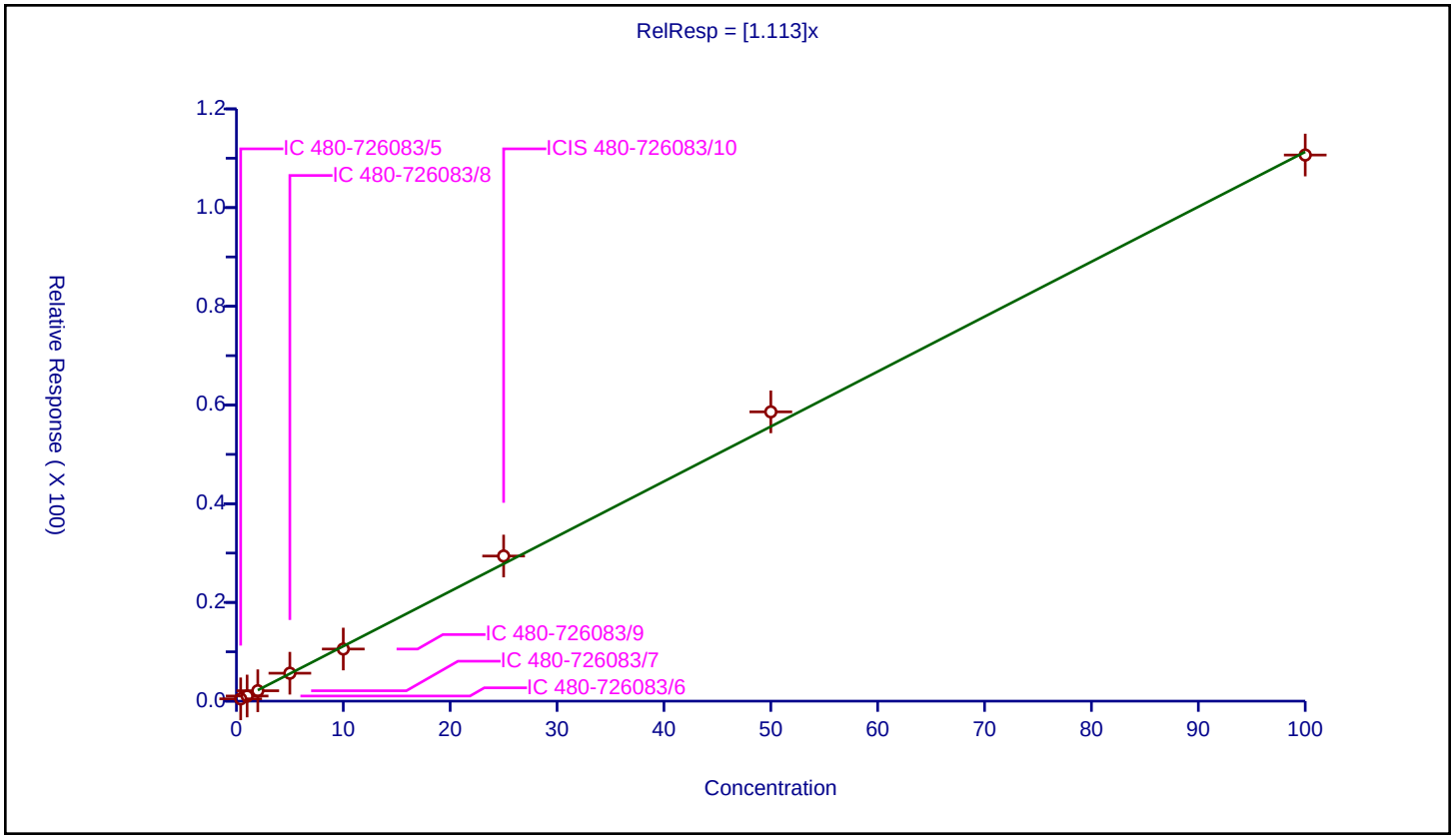
Curve Coefficients

Intercept:	0
Slope:	1.113

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.468508	25.0	664717.0	1.171269	Y
2	IC 480-726083/6	1.0	1.036644	25.0	659894.0	1.036644	Y
3	IC 480-726083/7	2.0	2.106726	25.0	679965.0	1.053363	Y
4	IC 480-726083/8	5.0	5.656703	25.0	670722.0	1.131341	Y
5	IC 480-726083/9	10.0	10.558019	25.0	665255.0	1.055802	Y
6	ICIS 480-726083/10	25.0	29.402821	25.0	647687.0	1.176113	Y
7	IC 480-726083/11	50.0	58.615612	25.0	637903.0	1.172312	Y
8	IC 480-726083/12	100.0	110.651444	25.0	644476.0	1.106514	Y



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Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

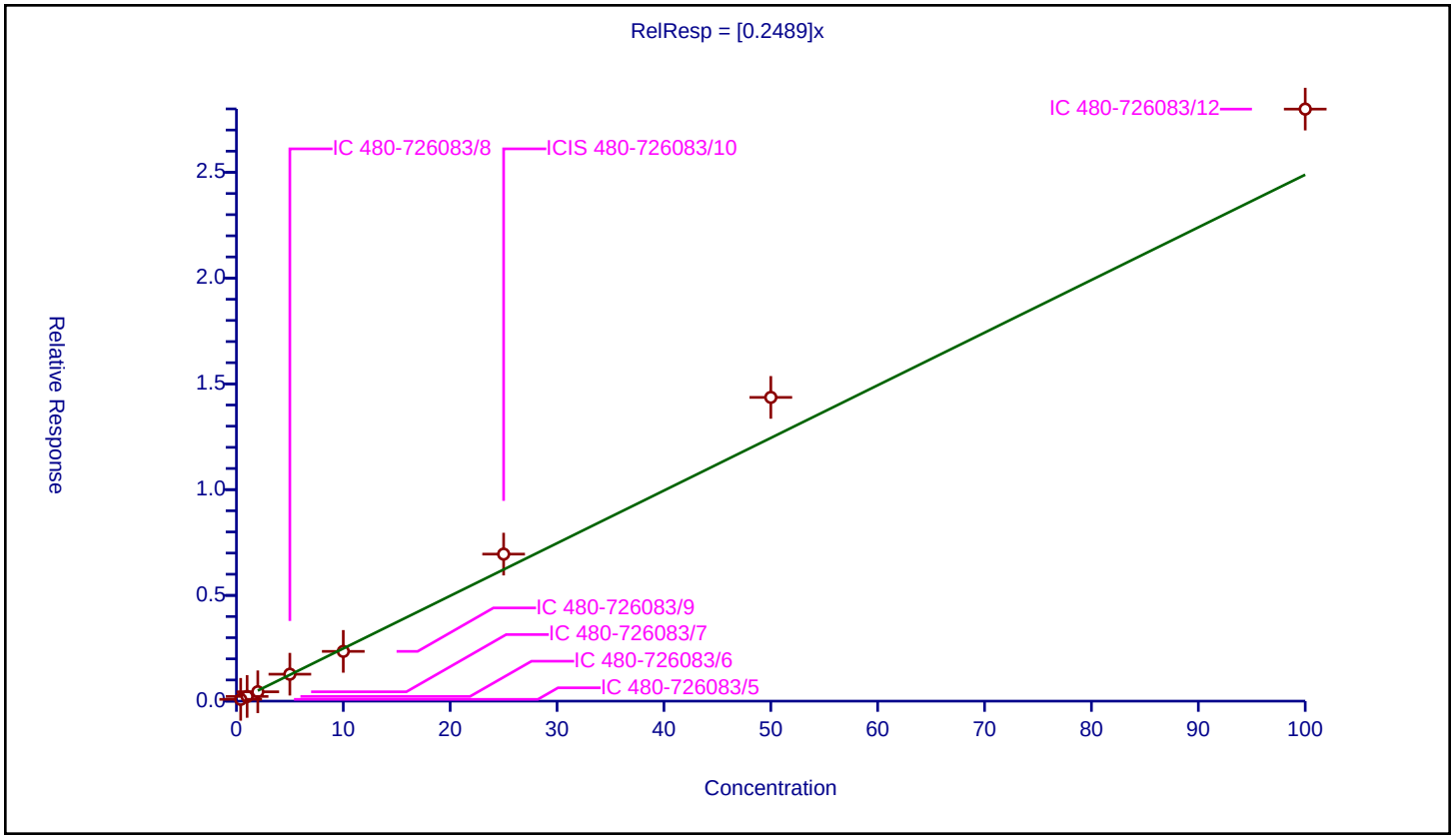
Curve Coefficients

Intercept:	0
Slope:	0.2489

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.084923	25.0	664717.0	0.212308	Y
2	IC 480-726083/6	1.0	0.222081	25.0	659894.0	0.222081	Y
3	IC 480-726083/7	2.0	0.442964	25.0	679965.0	0.221482	Y
4	IC 480-726083/8	5.0	1.274038	25.0	670722.0	0.254808	Y
5	IC 480-726083/9	10.0	2.352369	25.0	665255.0	0.235237	Y
6	ICIS 480-726083/10	25.0	6.951622	25.0	647687.0	0.278065	Y
7	IC 480-726083/11	50.0	14.360922	25.0	637903.0	0.287218	Y
8	IC 480-726083/12	100.0	27.990104	25.0	644476.0	0.279901	Y



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Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

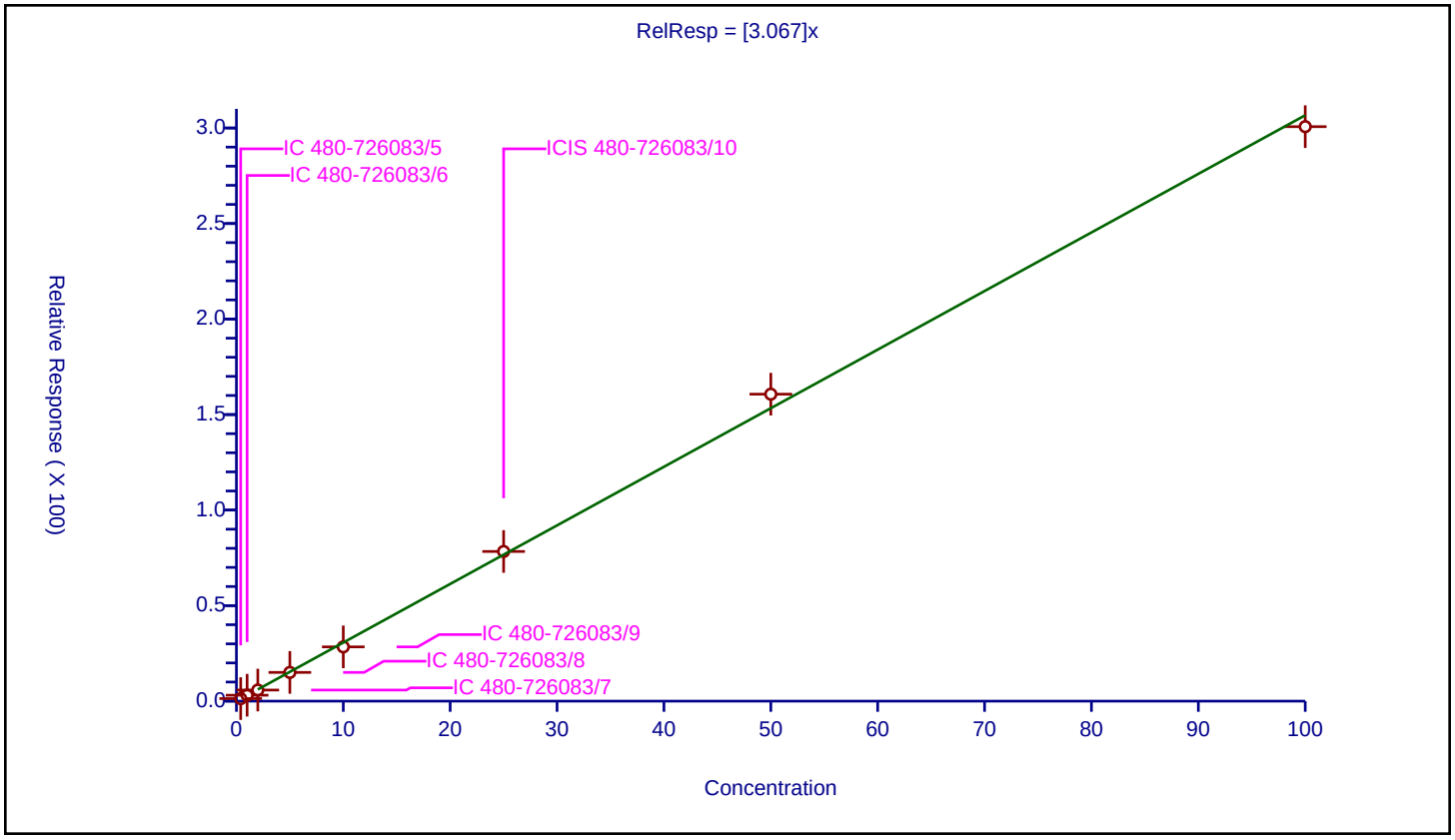
Curve Coefficients

Intercept:	0
Slope:	3.067

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.33024	25.0	364859.0	3.3256	Y
2	IC 480-726083/6	1.0	3.099673	25.0	352884.0	3.099673	Y
3	IC 480-726083/7	2.0	5.807758	25.0	365227.0	2.903879	Y
4	IC 480-726083/8	5.0	15.041918	25.0	370370.0	3.008384	Y
5	IC 480-726083/9	10.0	28.404267	25.0	360922.0	2.840427	Y
6	ICIS 480-726083/10	25.0	78.338163	25.0	344029.0	3.133527	Y
7	IC 480-726083/11	50.0	160.675633	25.0	334945.0	3.213513	Y
8	IC 480-726083/12	100.0	300.700799	25.0	334404.0	3.007008	Y



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Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

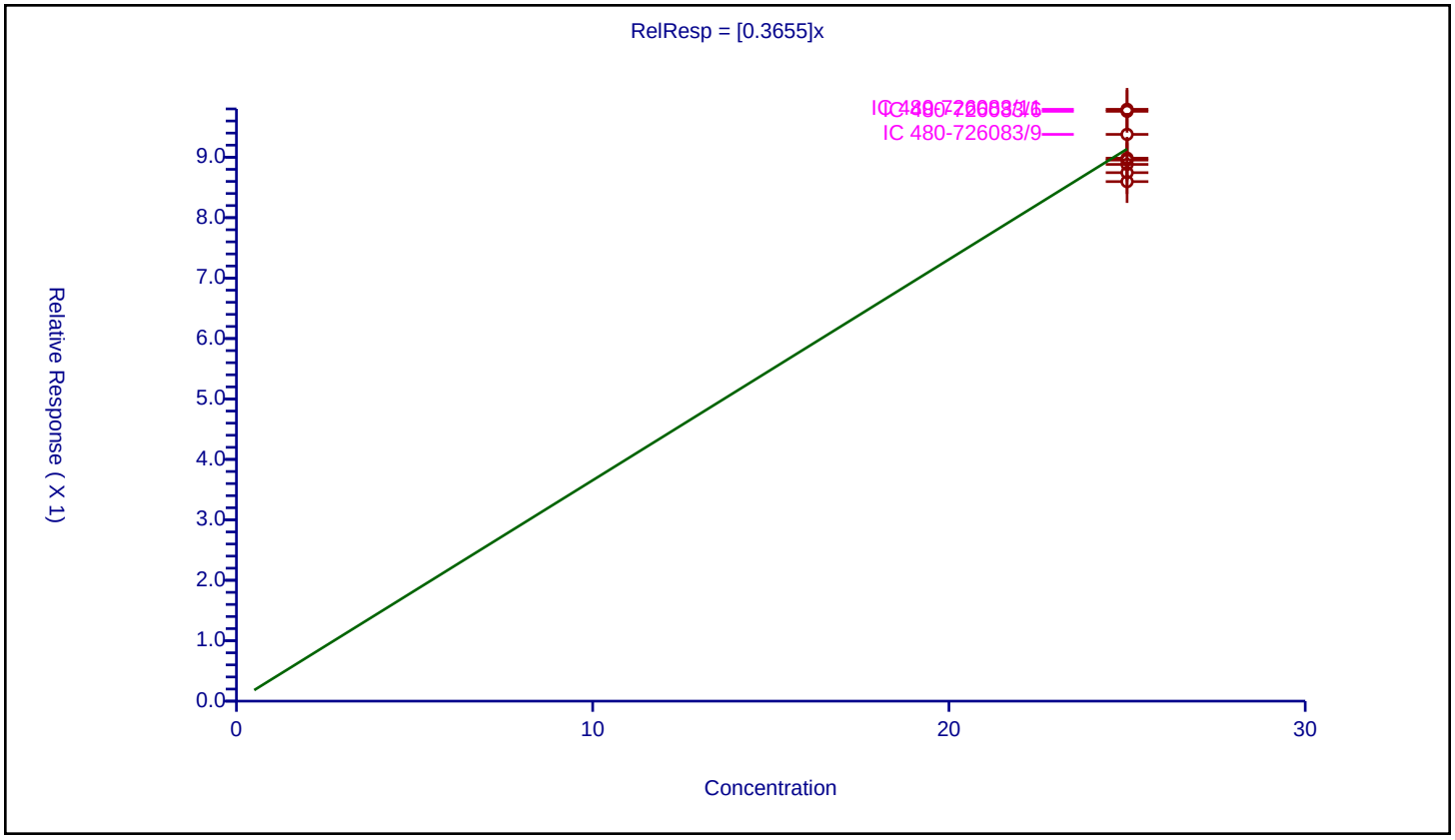
Curve Coefficients

Intercept:	0
Slope:	0.3655

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	25.0	8.881524	25.0	664717.0	0.355261	Y
2	IC 480-726083/6	25.0	9.759863	25.0	659894.0	0.390395	Y
3	IC 480-726083/7	25.0	8.59684	25.0	679965.0	0.343874	Y
4	IC 480-726083/8	25.0	8.984795	25.0	670722.0	0.359392	Y
5	IC 480-726083/9	25.0	9.378133	25.0	665255.0	0.375125	Y
6	ICIS 480-726083/10	25.0	8.952781	25.0	647687.0	0.358111	Y
7	IC 480-726083/11	25.0	9.792751	25.0	637903.0	0.39171	Y
8	IC 480-726083/12	25.0	8.744701	25.0	644476.0	0.349788	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

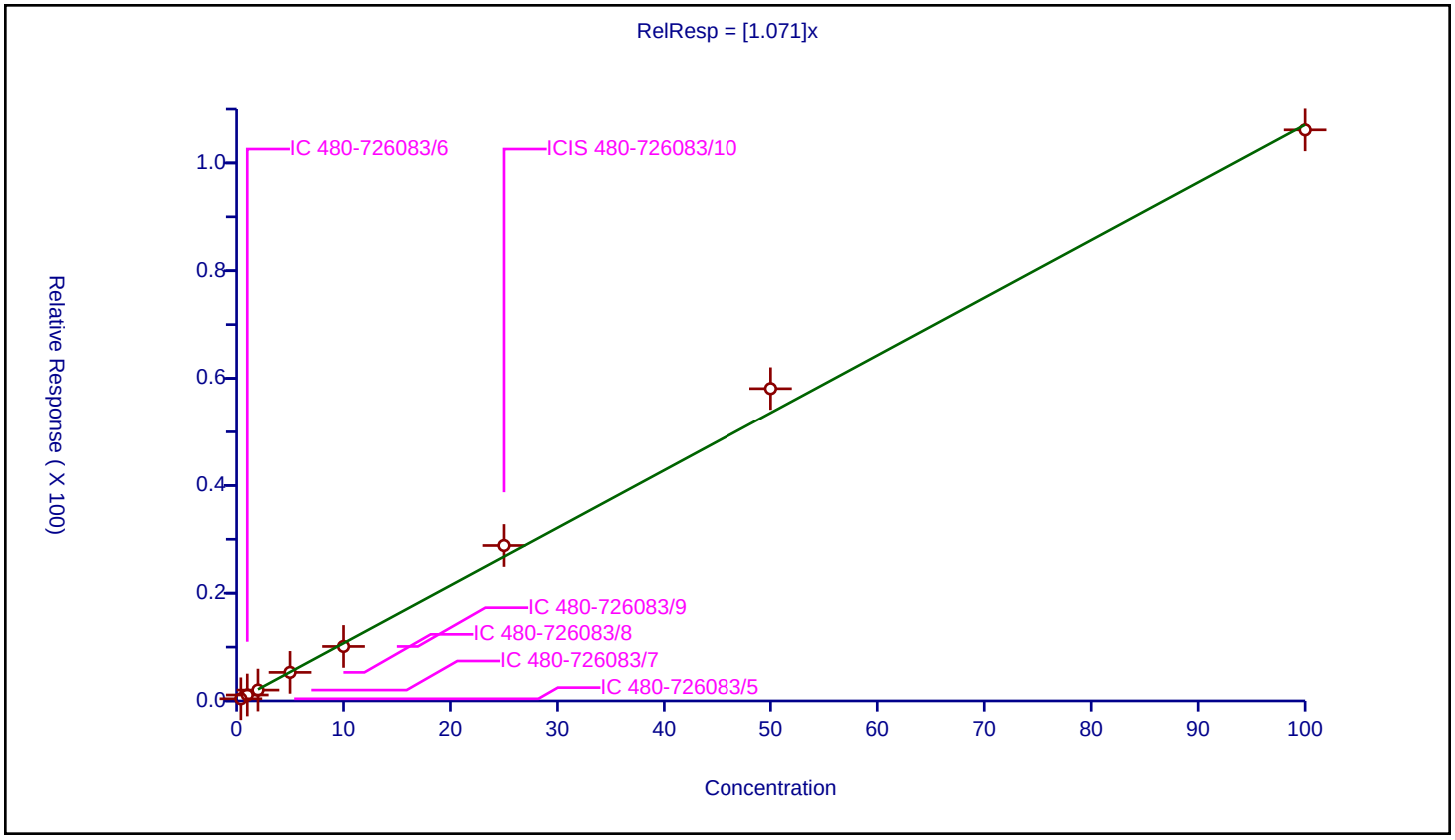
Curve Coefficients

Intercept:	0
Slope:	1.071

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.401525	25.0	364859.0	1.003812	Y
2	IC 480-726083/6	1.0	1.10355	25.0	352884.0	1.10355	Y
3	IC 480-726083/7	2.0	2.02073	25.0	365227.0	1.010365	Y
4	IC 480-726083/8	5.0	5.307193	25.0	370370.0	1.061439	Y
5	IC 480-726083/9	10.0	10.120123	25.0	360922.0	1.012012	Y
6	ICIS 480-726083/10	25.0	28.845097	25.0	344029.0	1.153804	Y
7	IC 480-726083/11	50.0	58.088418	25.0	334945.0	1.161768	Y
8	IC 480-726083/12	100.0	106.146383	25.0	334404.0	1.061464	Y



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Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

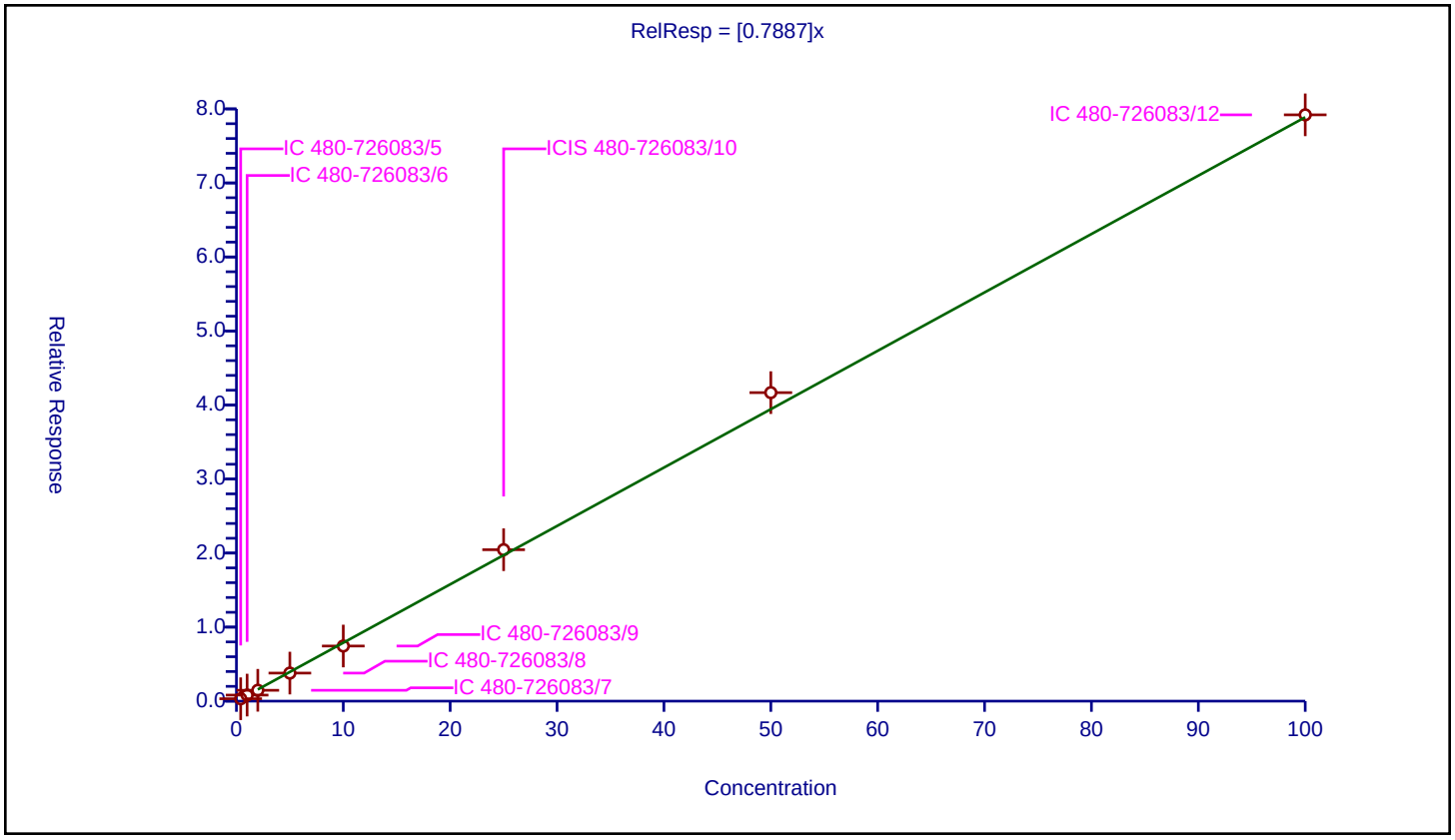
Curve Coefficients

Intercept:	0
Slope:	0.7887

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.325194	25.0	364859.0	0.812985	Y
2	IC 480-726083/6	1.0	0.817549	25.0	352884.0	0.817549	Y
3	IC 480-726083/7	2.0	1.465322	25.0	365227.0	0.732661	Y
4	IC 480-726083/8	5.0	3.791681	25.0	370370.0	0.758336	Y
5	IC 480-726083/9	10.0	7.446415	25.0	360922.0	0.744642	Y
6	ICIS 480-726083/10	25.0	20.454671	25.0	344029.0	0.818187	Y
7	IC 480-726083/11	50.0	41.675051	25.0	334945.0	0.833501	Y
8	IC 480-726083/12	100.0	79.198589	25.0	334404.0	0.791986	Y



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Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

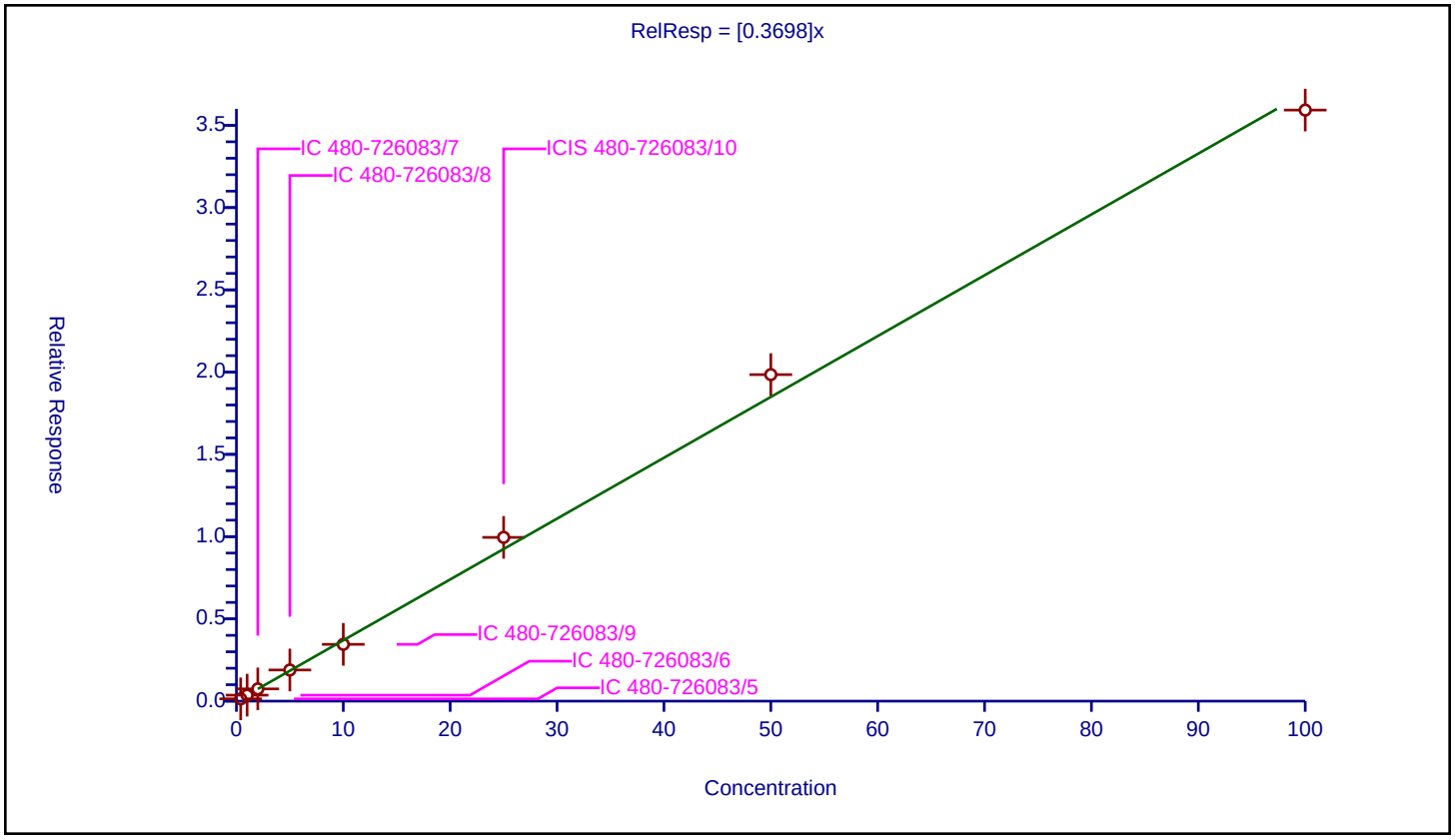
Curve Coefficients

Intercept:	0
Slope:	0.3698

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.137724	25.0	364859.0	0.344311	Y
2	IC 480-726083/6	1.0	0.363505	25.0	352884.0	0.363505	Y
3	IC 480-726083/7	2.0	0.744469	25.0	365227.0	0.372234	Y
4	IC 480-726083/8	5.0	1.893849	25.0	370370.0	0.37877	Y
5	IC 480-726083/9	10.0	3.452616	25.0	360922.0	0.345262	Y
6	ICIS 480-726083/10	25.0	9.954684	25.0	344029.0	0.398187	Y
7	IC 480-726083/11	50.0	19.847139	25.0	334945.0	0.396943	Y
8	IC 480-726083/12	100.0	35.928622	25.0	334404.0	0.359286	Y



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Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

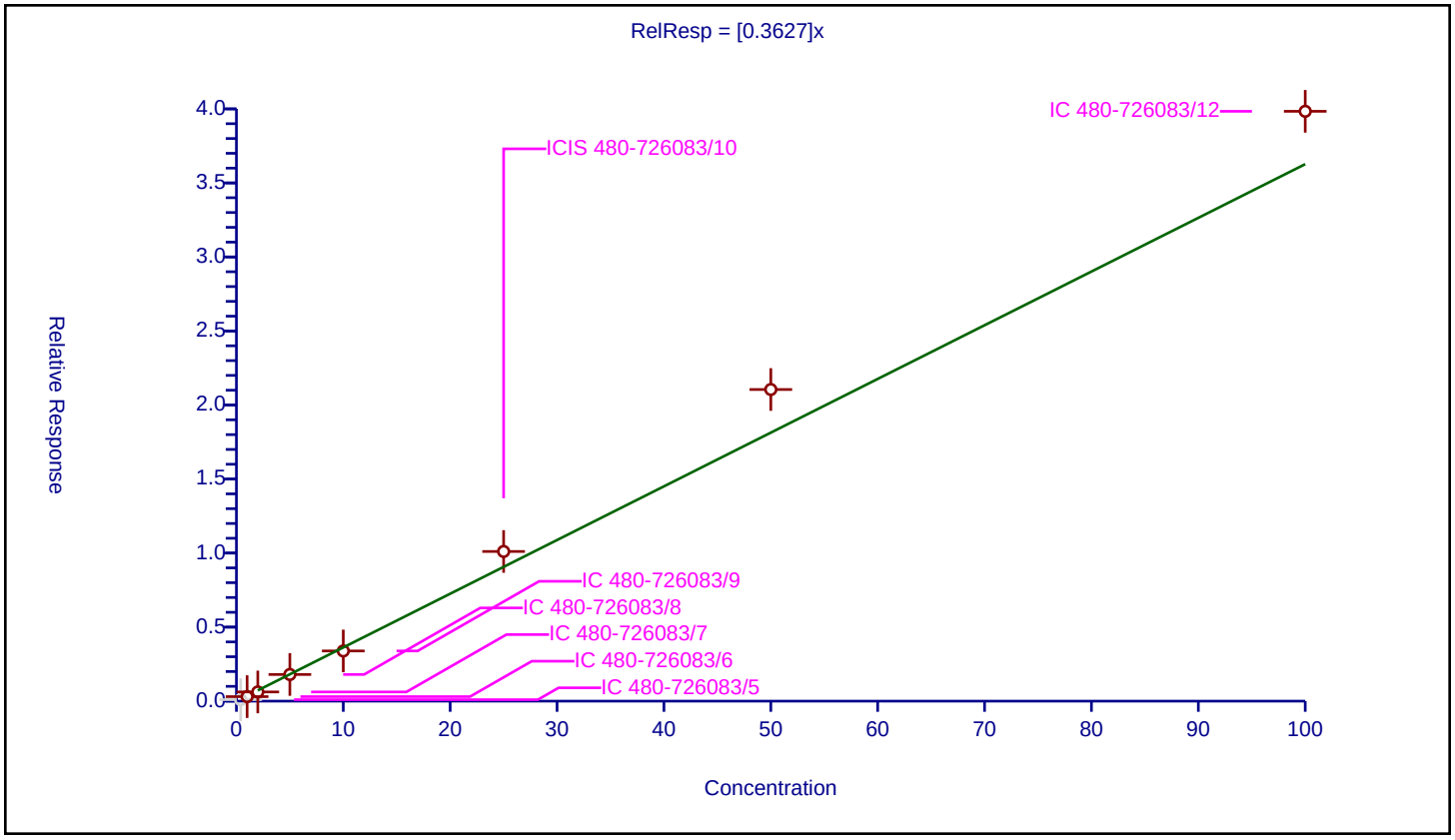
Curve Coefficients

Intercept:	0
Slope:	0.3627

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.100176	25.0	364859.0	0.250439	N
2	IC 480-726083/6	1.0	0.305129	25.0	352884.0	0.305129	Y
3	IC 480-726083/7	2.0	0.622284	25.0	365227.0	0.311142	Y
4	IC 480-726083/8	5.0	1.799079	25.0	370370.0	0.359816	Y
5	IC 480-726083/9	10.0	3.390345	25.0	360922.0	0.339034	Y
6	ICIS 480-726083/10	25.0	10.108087	25.0	344029.0	0.404323	Y
7	IC 480-726083/11	50.0	21.047187	25.0	334945.0	0.420944	Y
8	IC 480-726083/12	100.0	39.836545	25.0	334404.0	0.398365	Y



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Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

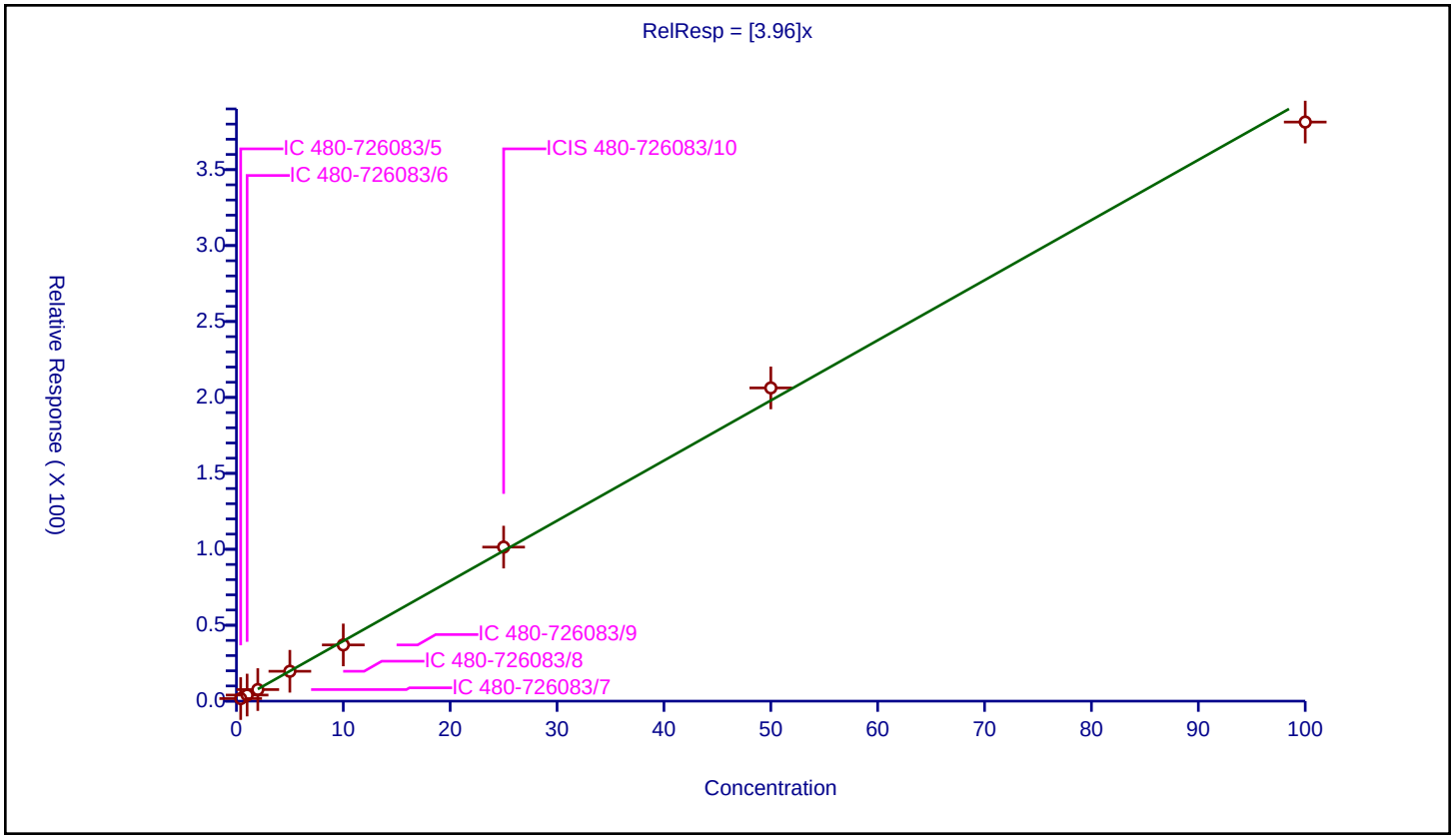
Curve Coefficients

Intercept:	0
Slope:	3.96

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.689968	25.0	364859.0	4.22492	Y
2	IC 480-726083/6	1.0	4.014563	25.0	352884.0	4.014563	Y
3	IC 480-726083/7	2.0	7.616291	25.0	365227.0	3.808145	Y
4	IC 480-726083/8	5.0	19.669385	25.0	370370.0	3.933877	Y
5	IC 480-726083/9	10.0	37.023027	25.0	360922.0	3.702303	Y
6	ICIS 480-726083/10	25.0	101.435199	25.0	344029.0	4.057408	Y
7	IC 480-726083/11	50.0	206.262148	25.0	334945.0	4.125243	Y
8	IC 480-726083/12	100.0	381.33575	25.0	334404.0	3.813357	Y



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Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

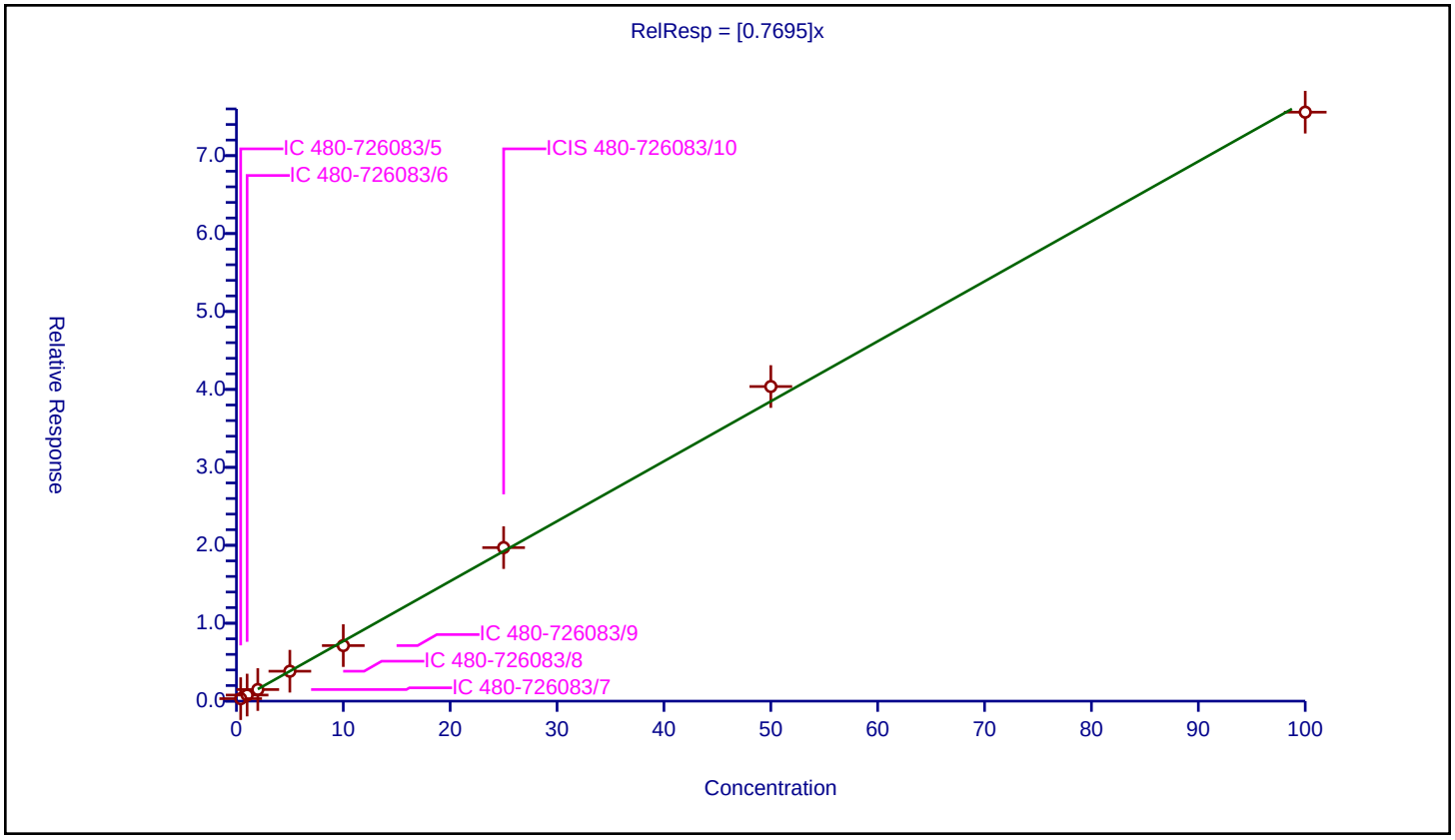
Curve Coefficients

Intercept:	0
Slope:	0.7695

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.319576	25.0	364859.0	0.798939	Y
2	IC 480-726083/6	1.0	0.780639	25.0	352884.0	0.780639	Y
3	IC 480-726083/7	2.0	1.489074	25.0	365227.0	0.744537	Y
4	IC 480-726083/8	5.0	3.839944	25.0	370370.0	0.767989	Y
5	IC 480-726083/9	10.0	7.129241	25.0	360922.0	0.712924	Y
6	ICIS 480-726083/10	25.0	19.700374	25.0	344029.0	0.788015	Y
7	IC 480-726083/11	50.0	40.371554	25.0	334945.0	0.807431	Y
8	IC 480-726083/12	100.0	75.579239	25.0	334404.0	0.755792	Y



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Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

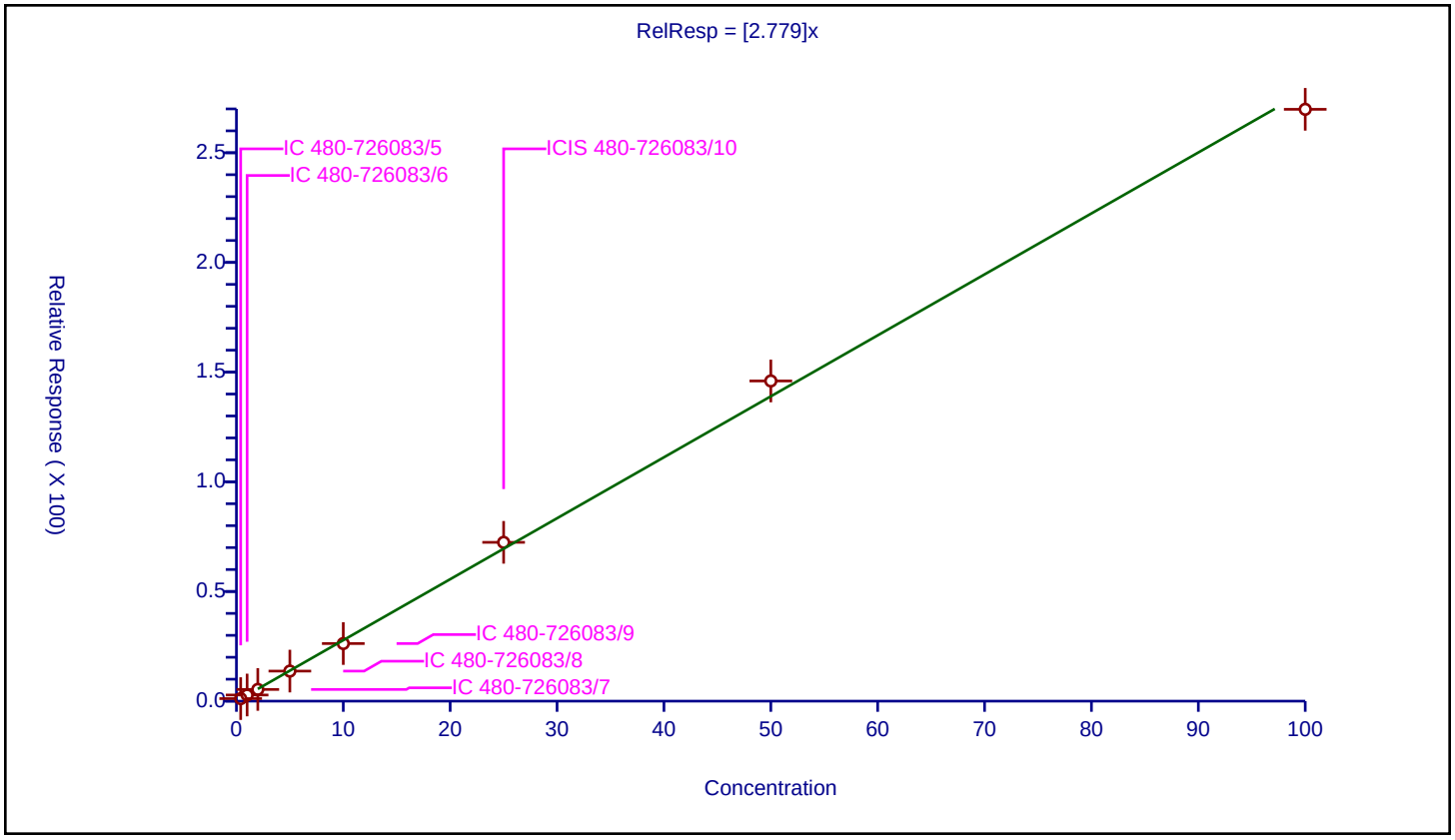
Curve Coefficients

Intercept:	0
Slope:	2.779

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.154007	25.0	364859.0	2.885019	Y
2	IC 480-726083/6	1.0	2.797591	25.0	352884.0	2.797591	Y
3	IC 480-726083/7	2.0	5.341267	25.0	365227.0	2.670634	Y
4	IC 480-726083/8	5.0	13.705889	25.0	370370.0	2.741178	Y
5	IC 480-726083/9	10.0	26.258305	25.0	360922.0	2.625831	Y
6	ICIS 480-726083/10	25.0	72.397312	25.0	344029.0	2.895892	Y
7	IC 480-726083/11	50.0	145.971279	25.0	334945.0	2.919426	Y
8	IC 480-726083/12	100.0	269.80389	25.0	334404.0	2.698039	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

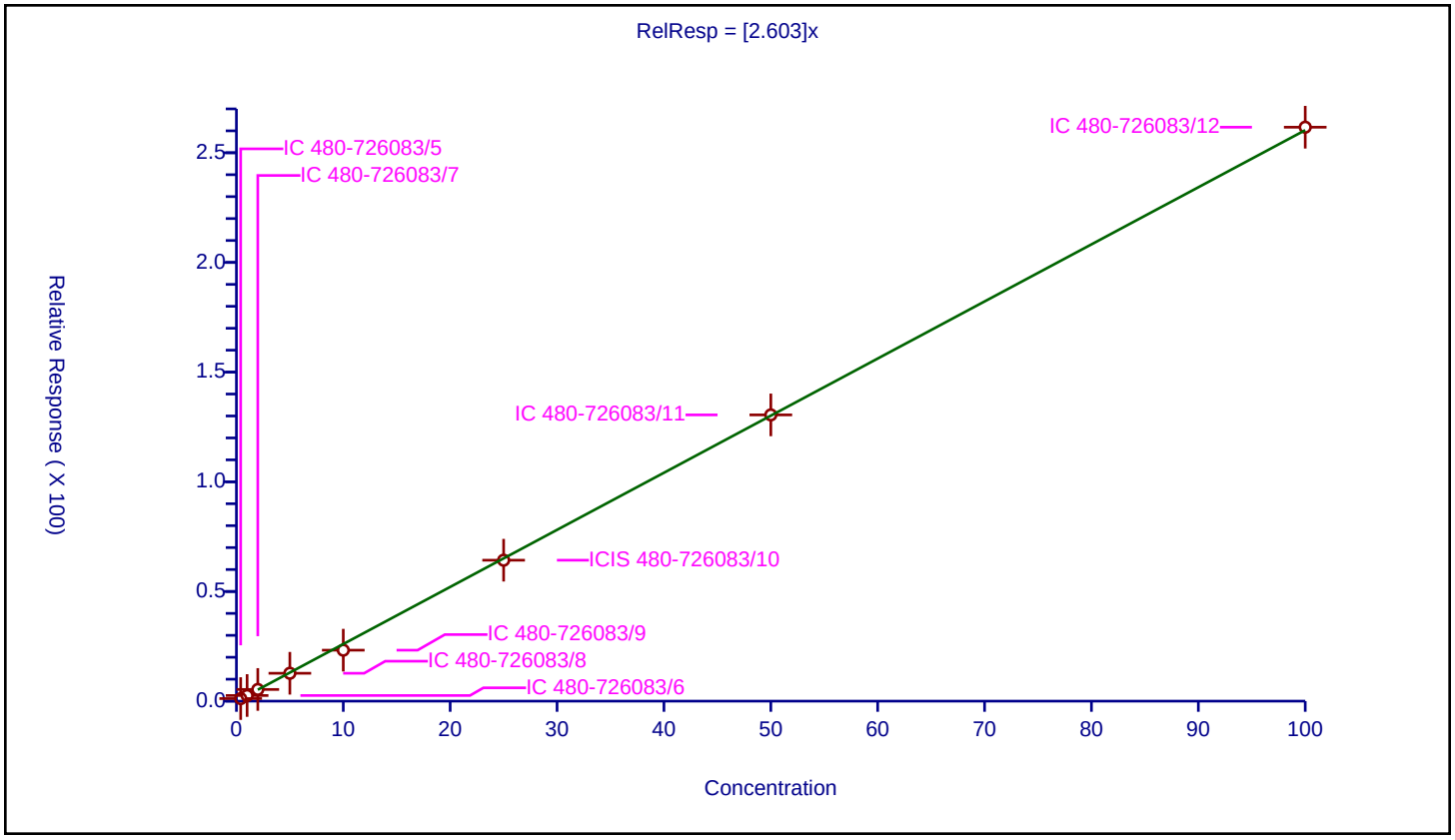
Curve Coefficients

Intercept:	0
Slope:	2.603

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.170658	25.0	364859.0	2.926644	Y
2	IC 480-726083/6	1.0	2.571879	25.0	352884.0	2.571879	Y
3	IC 480-726083/7	2.0	5.327646	25.0	365227.0	2.663823	Y
4	IC 480-726083/8	5.0	12.71087	25.0	370370.0	2.542174	Y
5	IC 480-726083/9	10.0	23.231474	25.0	360922.0	2.323147	Y
6	ICIS 480-726083/10	25.0	64.244729	25.0	344029.0	2.569789	Y
7	IC 480-726083/11	50.0	130.49538	25.0	334945.0	2.609908	Y
8	IC 480-726083/12	100.0	261.648485	25.0	334404.0	2.616485	Y



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Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

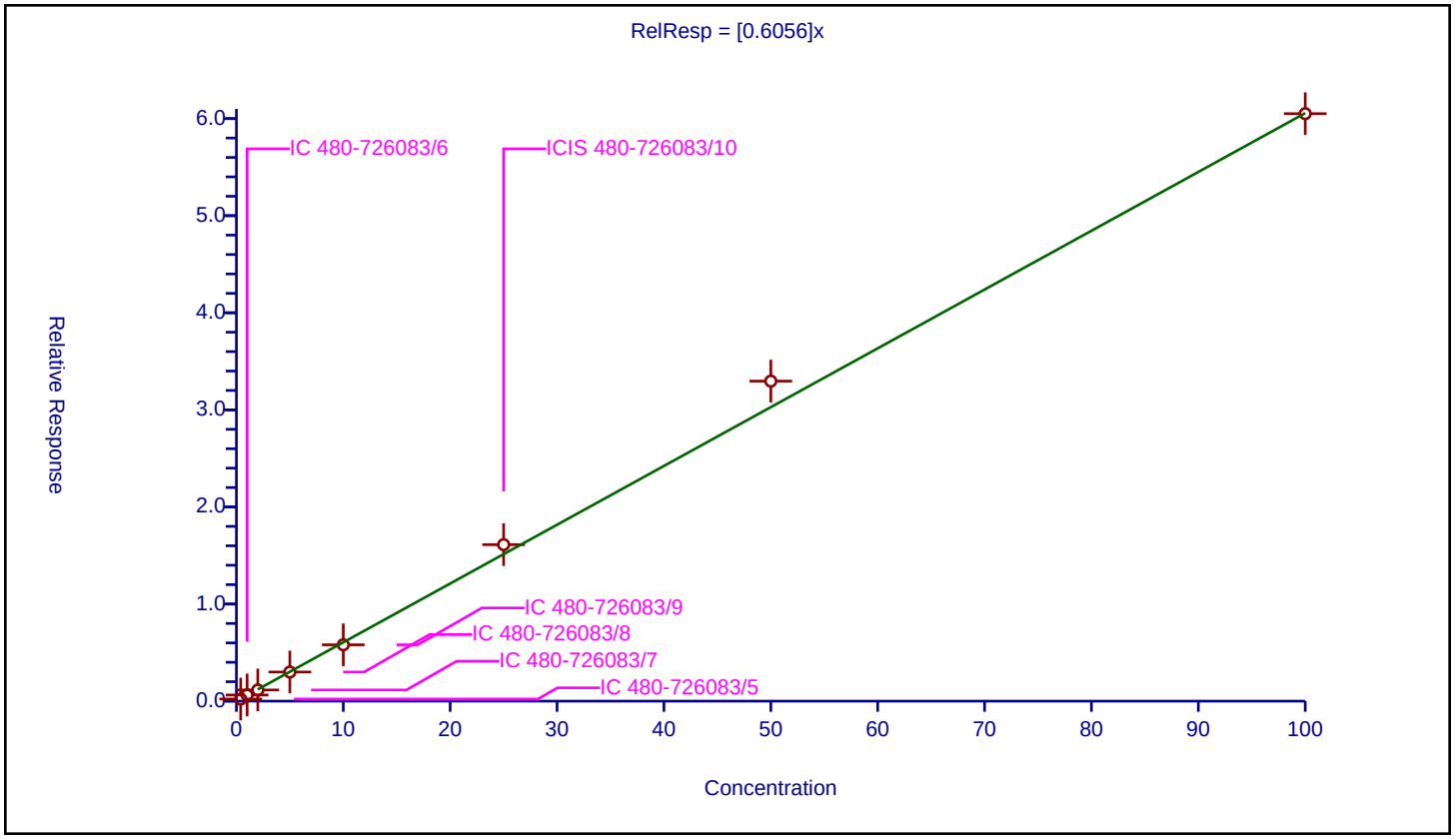
Curve Coefficients

Intercept:	0
Slope:	0.6056

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.218372	25.0	364859.0	0.54593	Y
2	IC 480-726083/6	1.0	0.633849	25.0	352884.0	0.633849	Y
3	IC 480-726083/7	2.0	1.15127	25.0	365227.0	0.575635	Y
4	IC 480-726083/8	5.0	3.000716	25.0	370370.0	0.600143	Y
5	IC 480-726083/9	10.0	5.80257	25.0	360922.0	0.580257	Y
6	ICIS 480-726083/10	25.0	16.116519	25.0	344029.0	0.644661	Y
7	IC 480-726083/11	50.0	32.962053	25.0	334945.0	0.659241	Y
8	IC 480-726083/12	100.0	60.508696	25.0	334404.0	0.605087	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

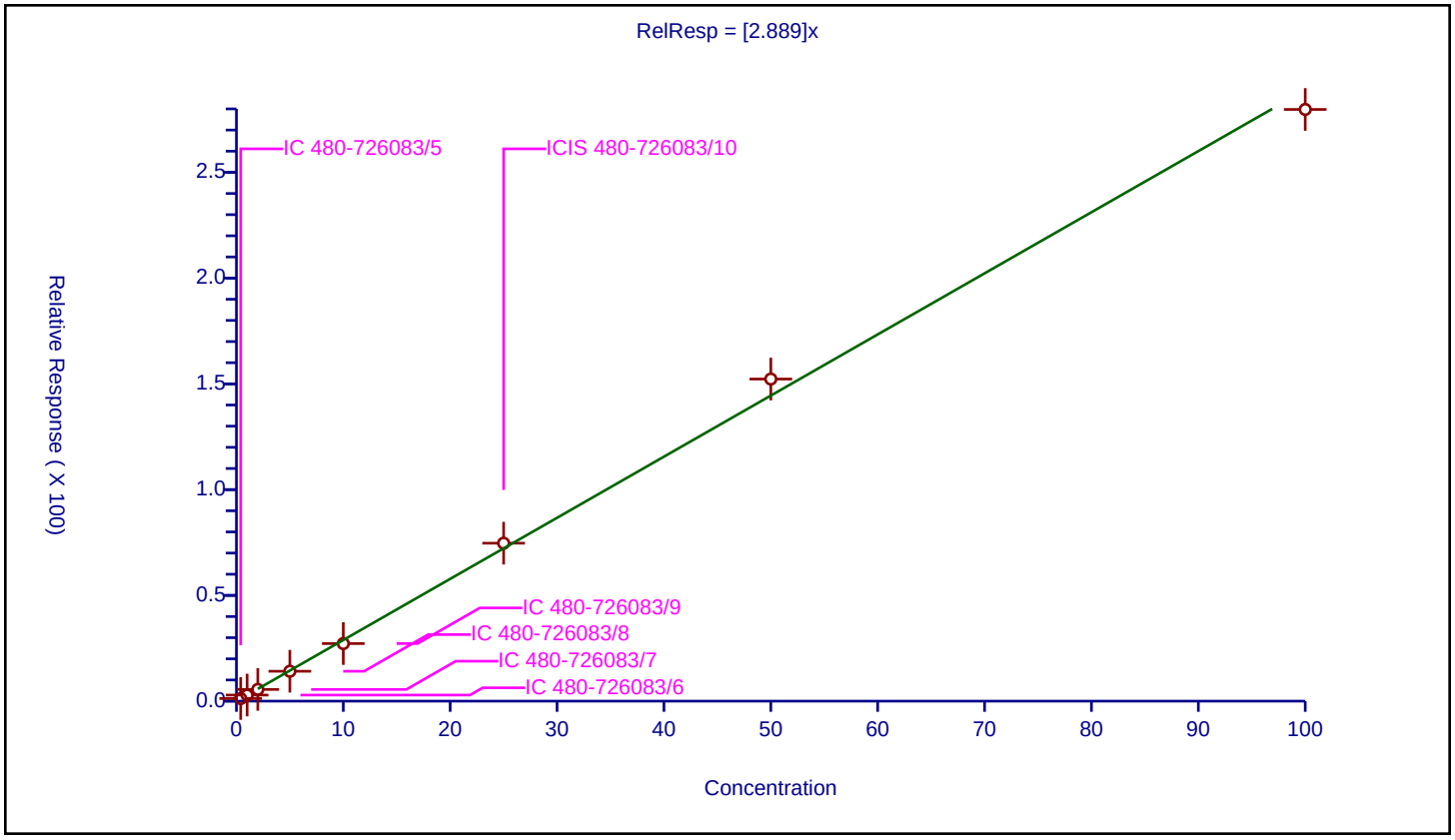
Curve Coefficients

Intercept:	0
Slope:	2.889

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.237738	25.0	364859.0	3.094346	Y
2	IC 480-726083/6	1.0	2.876158	25.0	352884.0	2.876158	Y
3	IC 480-726083/7	2.0	5.529233	25.0	365227.0	2.764616	Y
4	IC 480-726083/8	5.0	14.136877	25.0	370370.0	2.827375	Y
5	IC 480-726083/9	10.0	27.215022	25.0	360922.0	2.721502	Y
6	ICIS 480-726083/10	25.0	74.672993	25.0	344029.0	2.98692	Y
7	IC 480-726083/11	50.0	152.286271	25.0	334945.0	3.045725	Y
8	IC 480-726083/12	100.0	279.730655	25.0	334404.0	2.797307	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

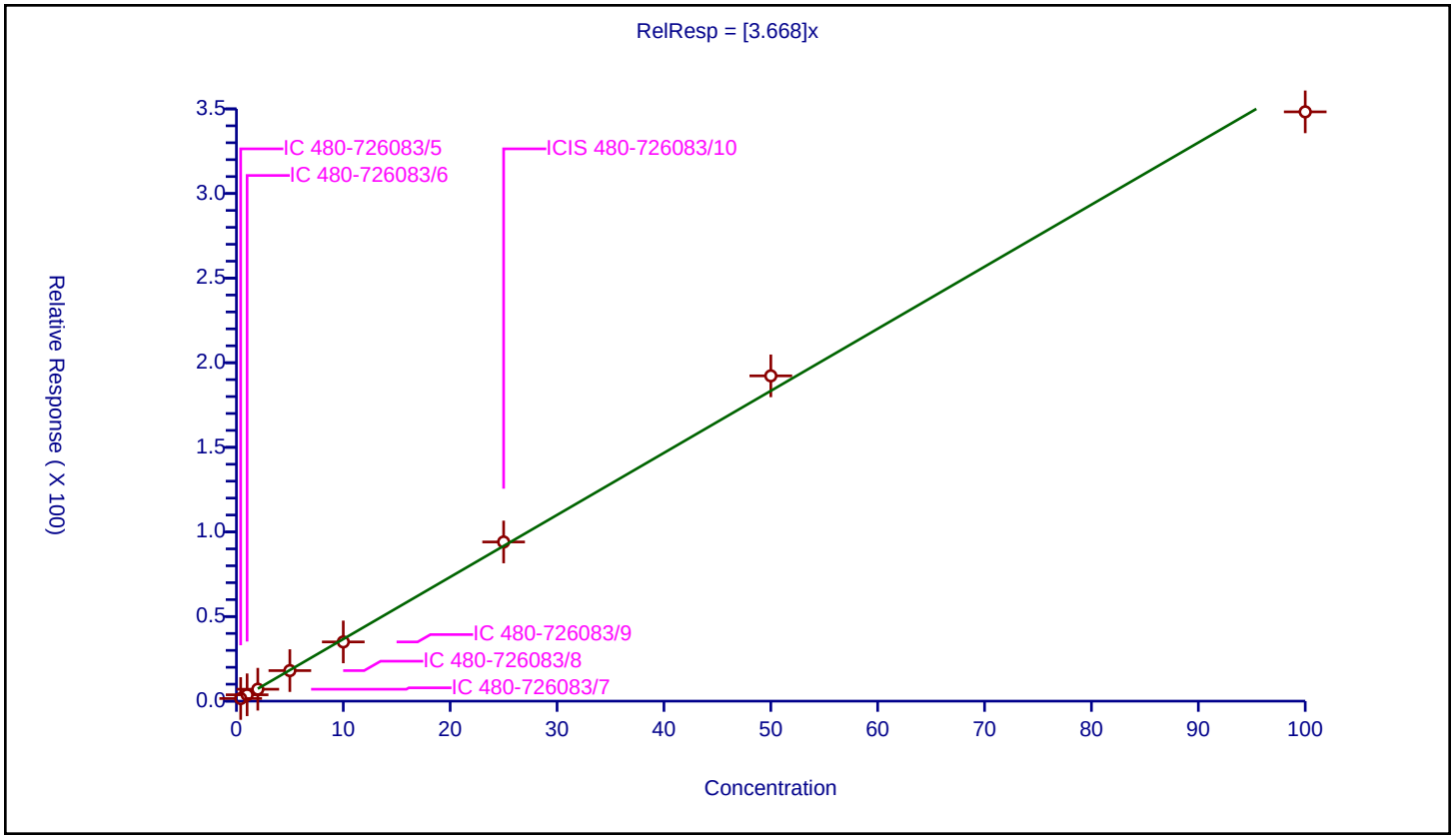
Curve Coefficients

Intercept:	0
Slope:	3.668

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.545392	25.0	364859.0	3.863479	Y
2	IC 480-726083/6	1.0	3.759663	25.0	352884.0	3.759663	Y
3	IC 480-726083/7	2.0	7.041717	25.0	365227.0	3.520858	Y
4	IC 480-726083/8	5.0	18.043646	25.0	370370.0	3.608729	Y
5	IC 480-726083/9	10.0	34.992394	25.0	360922.0	3.499239	Y
6	ICIS 480-726083/10	25.0	94.062855	25.0	344029.0	3.762514	Y
7	IC 480-726083/11	50.0	192.232456	25.0	334945.0	3.844649	Y
8	IC 480-726083/12	100.0	348.24561	25.0	334404.0	3.482456	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

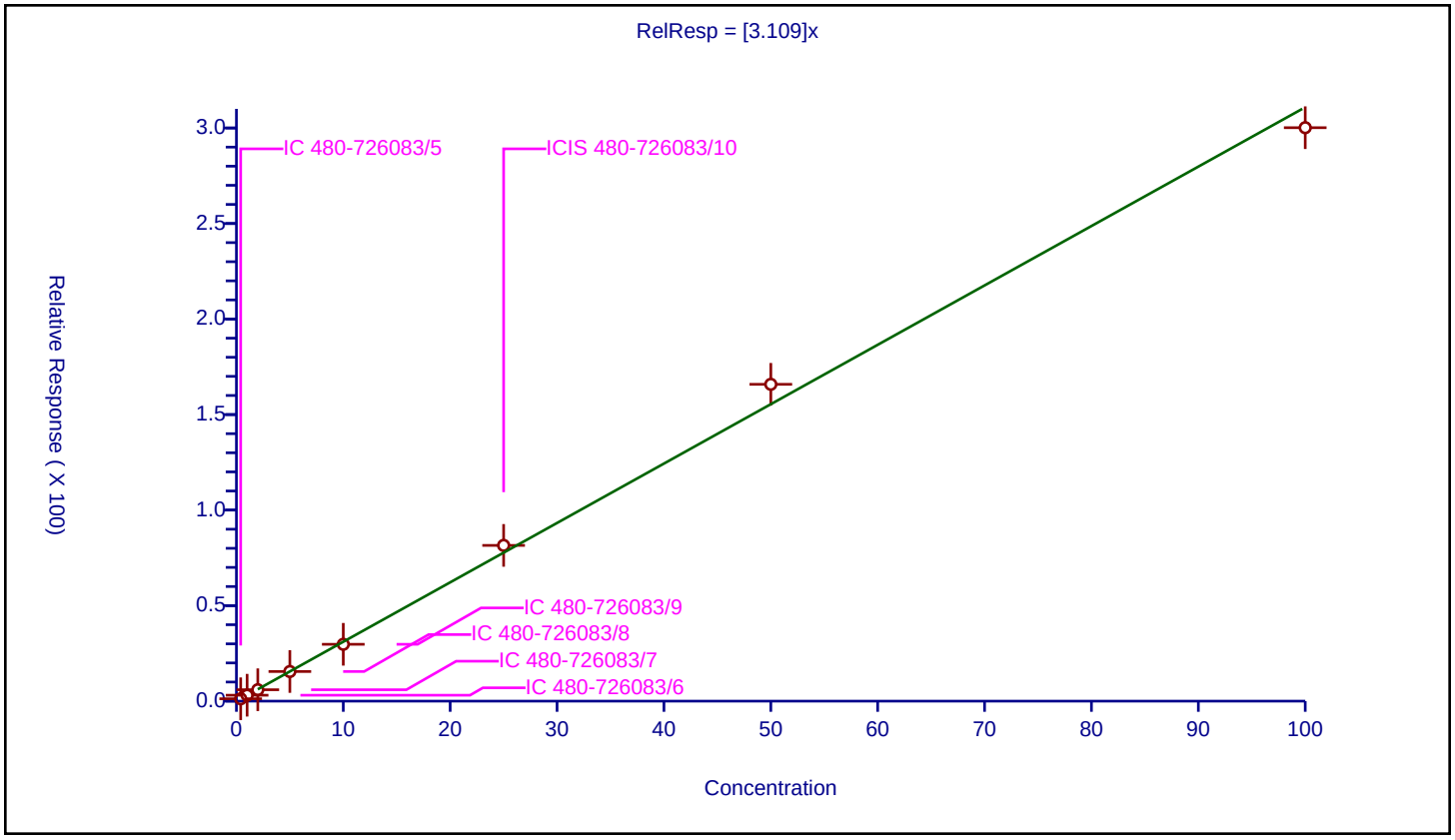
Curve Coefficients

Intercept:	0
Slope:	3.109

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.247948	25.0	364859.0	3.11987	Y
2	IC 480-726083/6	1.0	3.105341	25.0	352884.0	3.105341	Y
3	IC 480-726083/7	2.0	5.973066	25.0	365227.0	2.986533	Y
4	IC 480-726083/8	5.0	15.510166	25.0	370370.0	3.102033	Y
5	IC 480-726083/9	10.0	29.760447	25.0	360922.0	2.976045	Y
6	ICIS 480-726083/10	25.0	81.517546	25.0	344029.0	3.260702	Y
7	IC 480-726083/11	50.0	165.834167	25.0	334945.0	3.316683	Y
8	IC 480-726083/12	100.0	300.156472	25.0	334404.0	3.001565	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

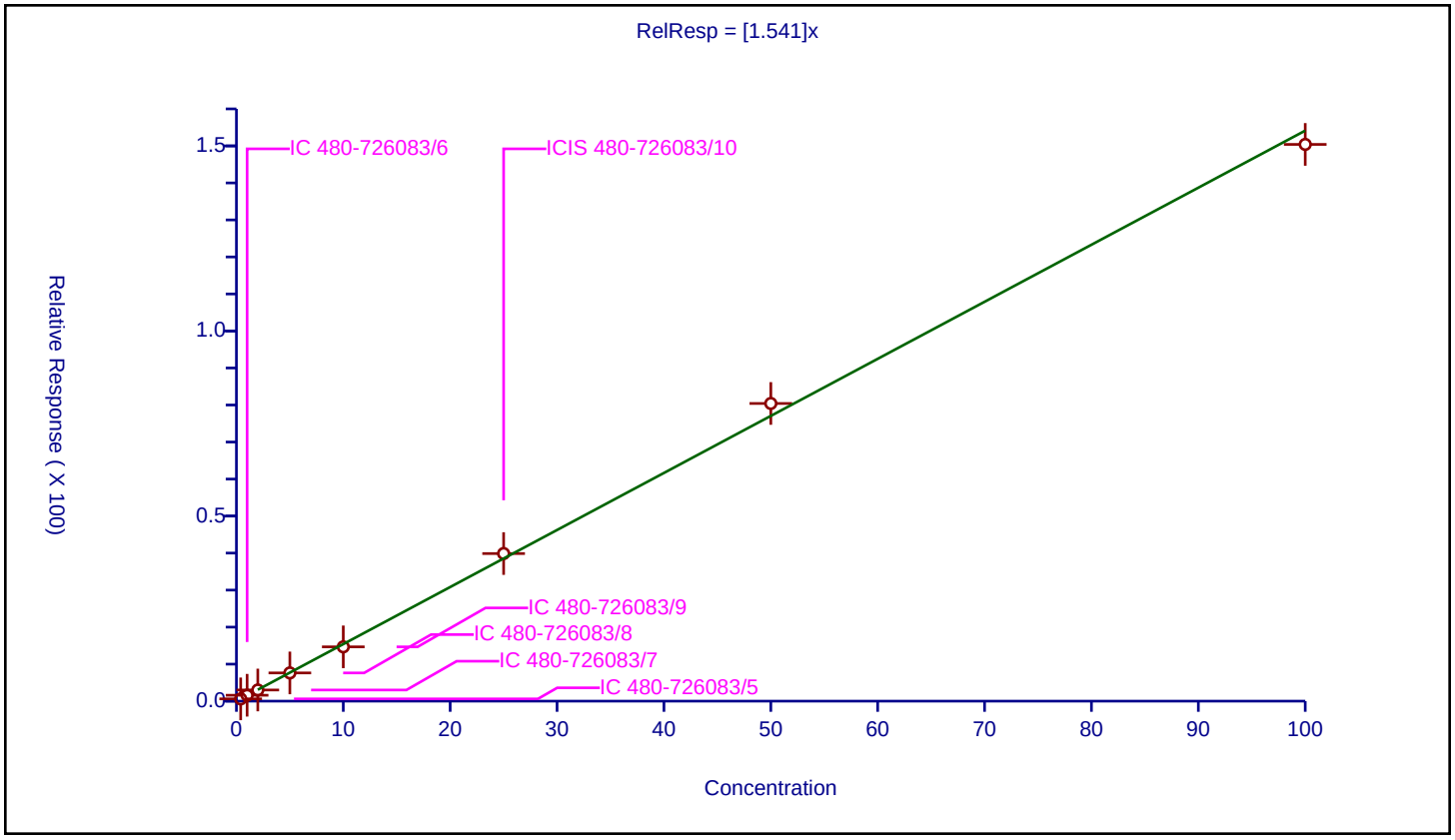
Curve Coefficients

Intercept:	0
Slope:	1.541

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.611606	25.0	364859.0	1.529015	Y
2	IC 480-726083/6	1.0	1.596559	25.0	352884.0	1.596559	Y
3	IC 480-726083/7	2.0	3.011004	25.0	365227.0	1.505502	Y
4	IC 480-726083/8	5.0	7.623188	25.0	370370.0	1.524638	Y
5	IC 480-726083/9	10.0	14.666535	25.0	360922.0	1.466653	Y
6	ICIS 480-726083/10	25.0	39.875199	25.0	344029.0	1.595008	Y
7	IC 480-726083/11	50.0	80.418949	25.0	334945.0	1.608379	Y
8	IC 480-726083/12	100.0	150.404675	25.0	334404.0	1.504047	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

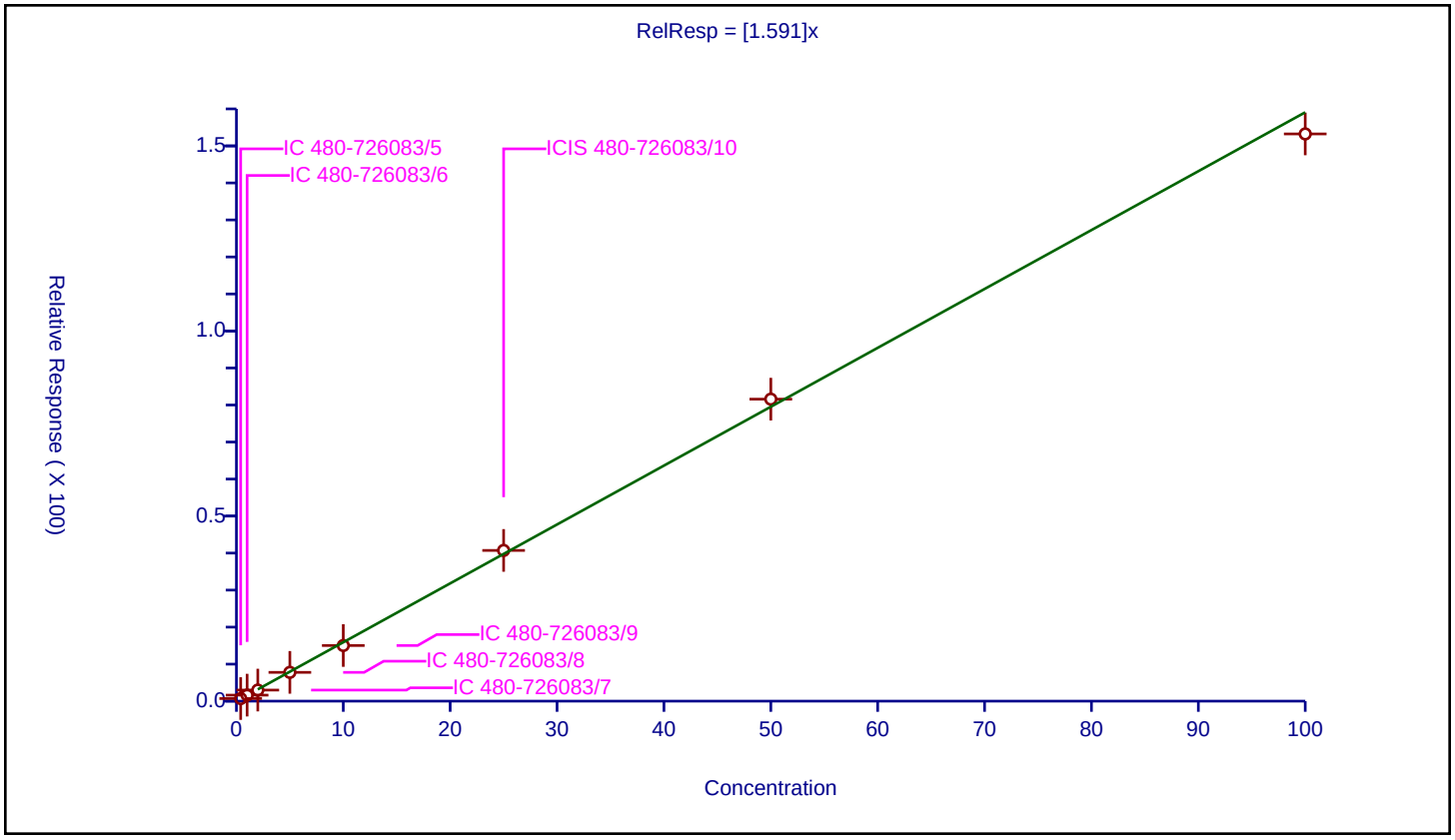
Curve Coefficients

Intercept:	0
Slope:	1.591

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.703422	25.0	364859.0	1.758556	Y
2	IC 480-726083/6	1.0	1.622984	25.0	352884.0	1.622984	Y
3	IC 480-726083/7	2.0	2.988484	25.0	365227.0	1.494242	Y
4	IC 480-726083/8	5.0	7.77459	25.0	370370.0	1.554918	Y
5	IC 480-726083/9	10.0	15.026377	25.0	360922.0	1.502638	Y
6	ICIS 480-726083/10	25.0	40.711975	25.0	344029.0	1.628479	Y
7	IC 480-726083/11	50.0	81.581304	25.0	334945.0	1.631626	Y
8	IC 480-726083/12	100.0	153.236803	25.0	334404.0	1.532368	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

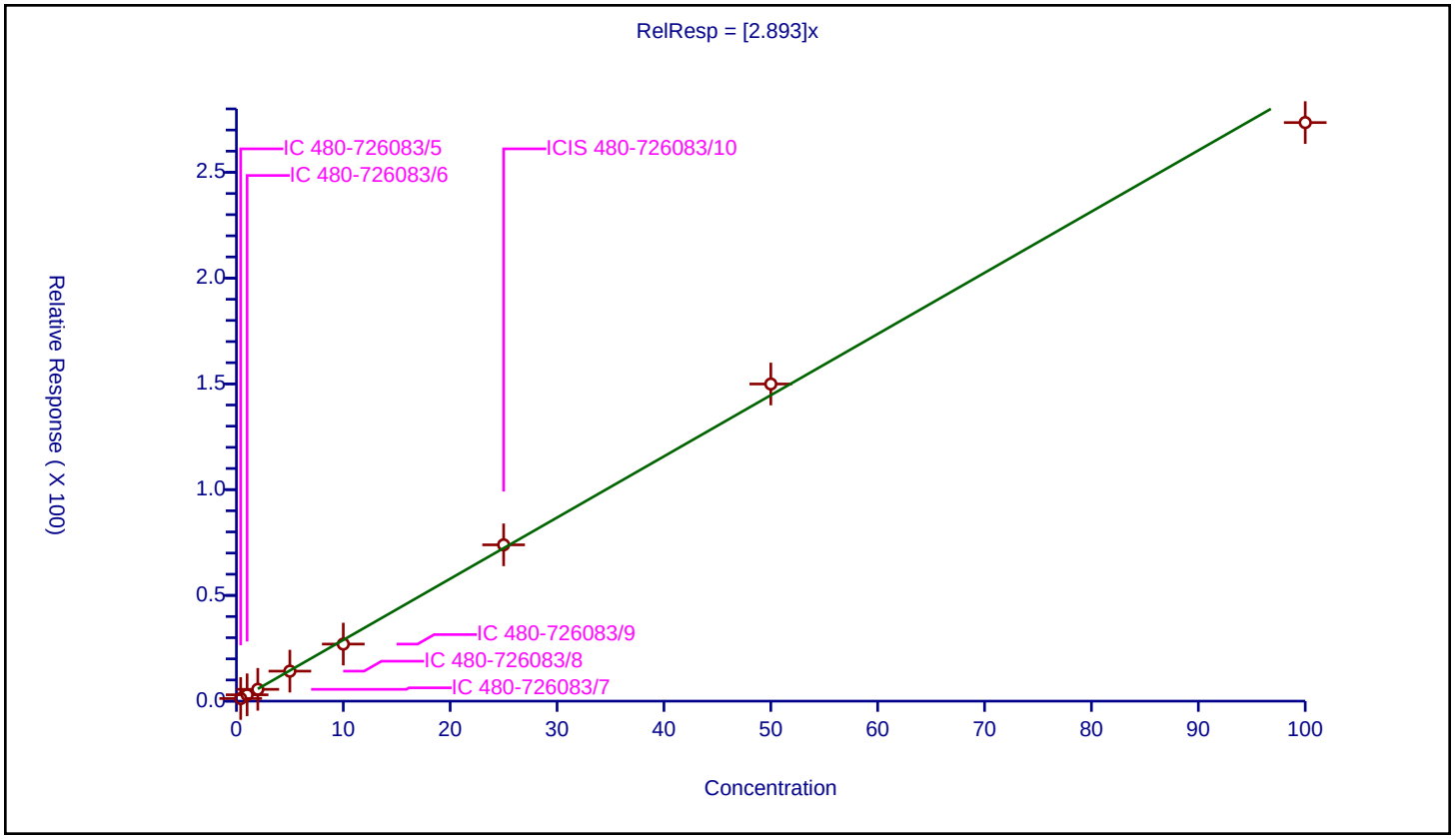
Curve Coefficients

Intercept:	0
Slope:	2.893

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.245755	25.0	364859.0	3.114388	Y
2	IC 480-726083/6	1.0	3.008708	25.0	352884.0	3.008708	Y
3	IC 480-726083/7	2.0	5.588648	25.0	365227.0	2.794324	Y
4	IC 480-726083/8	5.0	14.189932	25.0	370370.0	2.837986	Y
5	IC 480-726083/9	10.0	26.982769	25.0	360922.0	2.698277	Y
6	ICIS 480-726083/10	25.0	73.899729	25.0	344029.0	2.955989	Y
7	IC 480-726083/11	50.0	149.939318	25.0	334945.0	2.998786	Y
8	IC 480-726083/12	100.0	273.532912	25.0	334404.0	2.735329	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

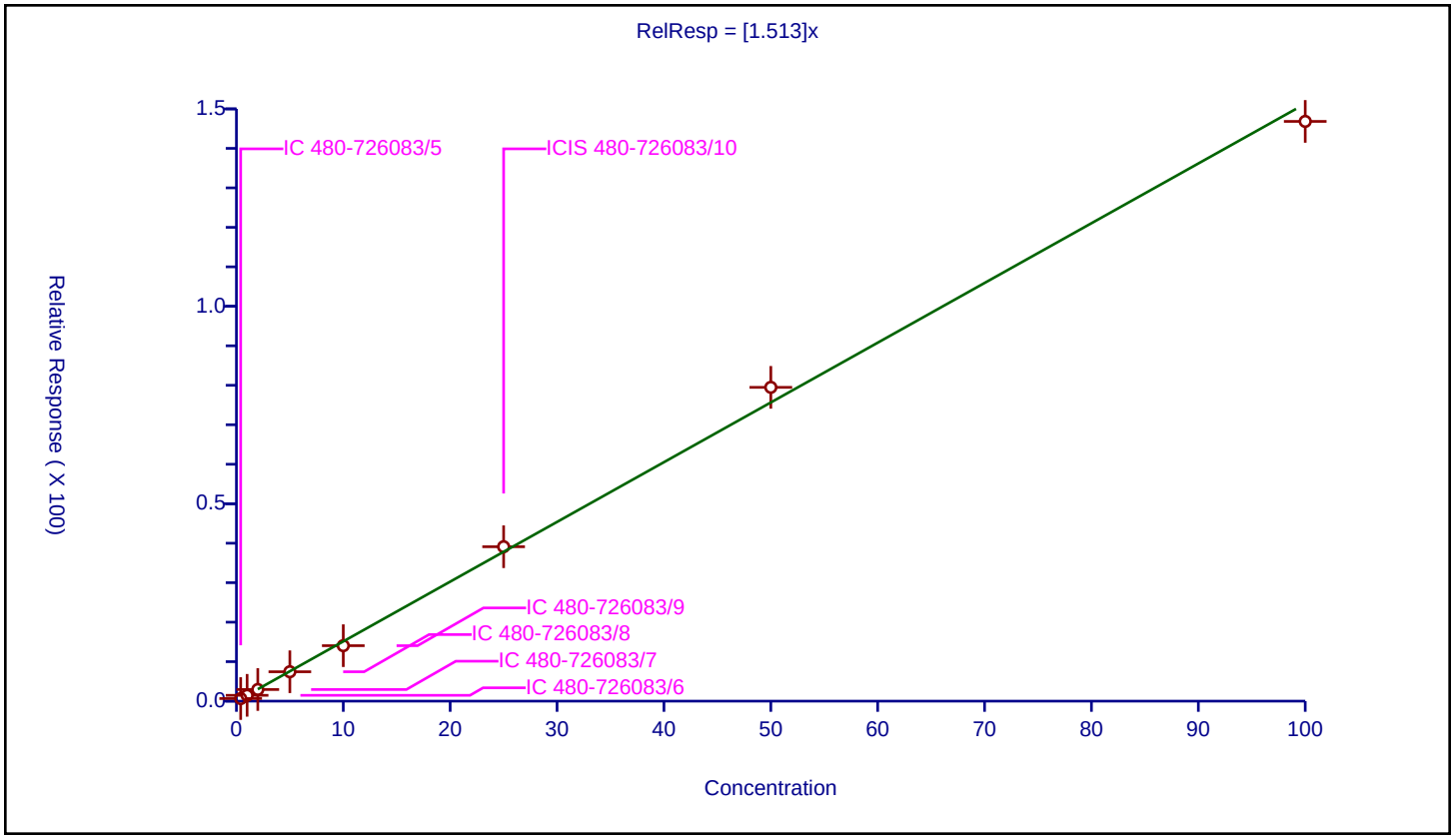
Curve Coefficients

Intercept:	0
Slope:	1.513

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.656555	25.0	364859.0	1.641387	Y
2	IC 480-726083/6	1.0	1.475272	25.0	352884.0	1.475272	Y
3	IC 480-726083/7	2.0	2.942348	25.0	365227.0	1.471174	Y
4	IC 480-726083/8	5.0	7.445055	25.0	370370.0	1.489011	Y
5	IC 480-726083/9	10.0	14.049157	25.0	360922.0	1.404916	Y
6	ICIS 480-726083/10	25.0	39.107096	25.0	344029.0	1.564284	Y
7	IC 480-726083/11	50.0	79.476407	25.0	334945.0	1.589528	Y
8	IC 480-726083/12	100.0	146.831452	25.0	334404.0	1.468315	Y



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Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

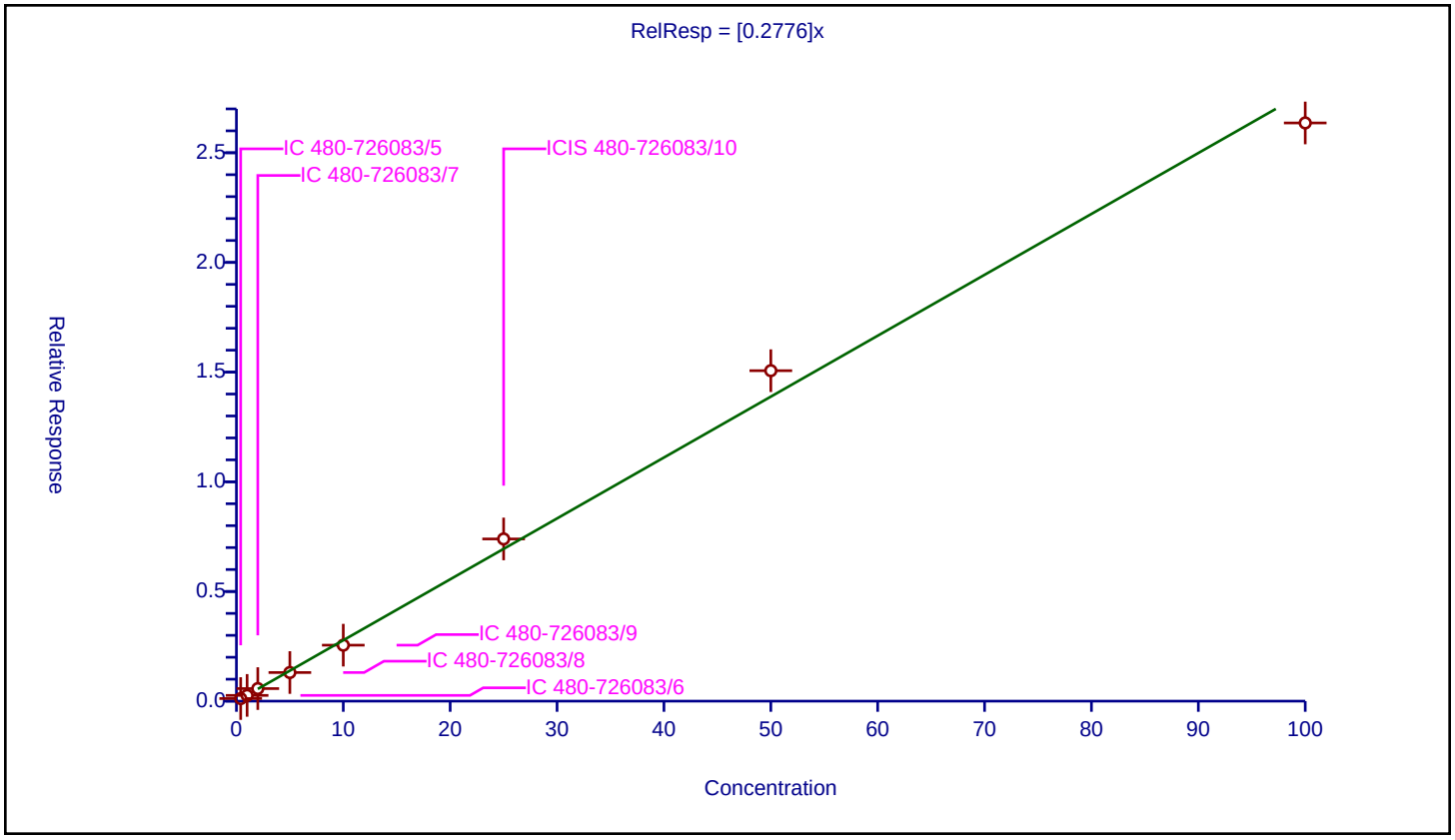
Curve Coefficients

Intercept:	0
Slope:	0.2776

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.118333	25.0	364859.0	0.295833	Y
2	IC 480-726083/6	1.0	0.262126	25.0	352884.0	0.262126	Y
3	IC 480-726083/7	2.0	0.572521	25.0	365227.0	0.28626	Y
4	IC 480-726083/8	5.0	1.305249	25.0	370370.0	0.26105	Y
5	IC 480-726083/9	10.0	2.552075	25.0	360922.0	0.255207	Y
6	ICIS 480-726083/10	25.0	7.394071	25.0	344029.0	0.295763	Y
7	IC 480-726083/11	50.0	15.064936	25.0	334945.0	0.301299	Y
8	IC 480-726083/12	100.0	26.35906	25.0	334404.0	0.263591	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

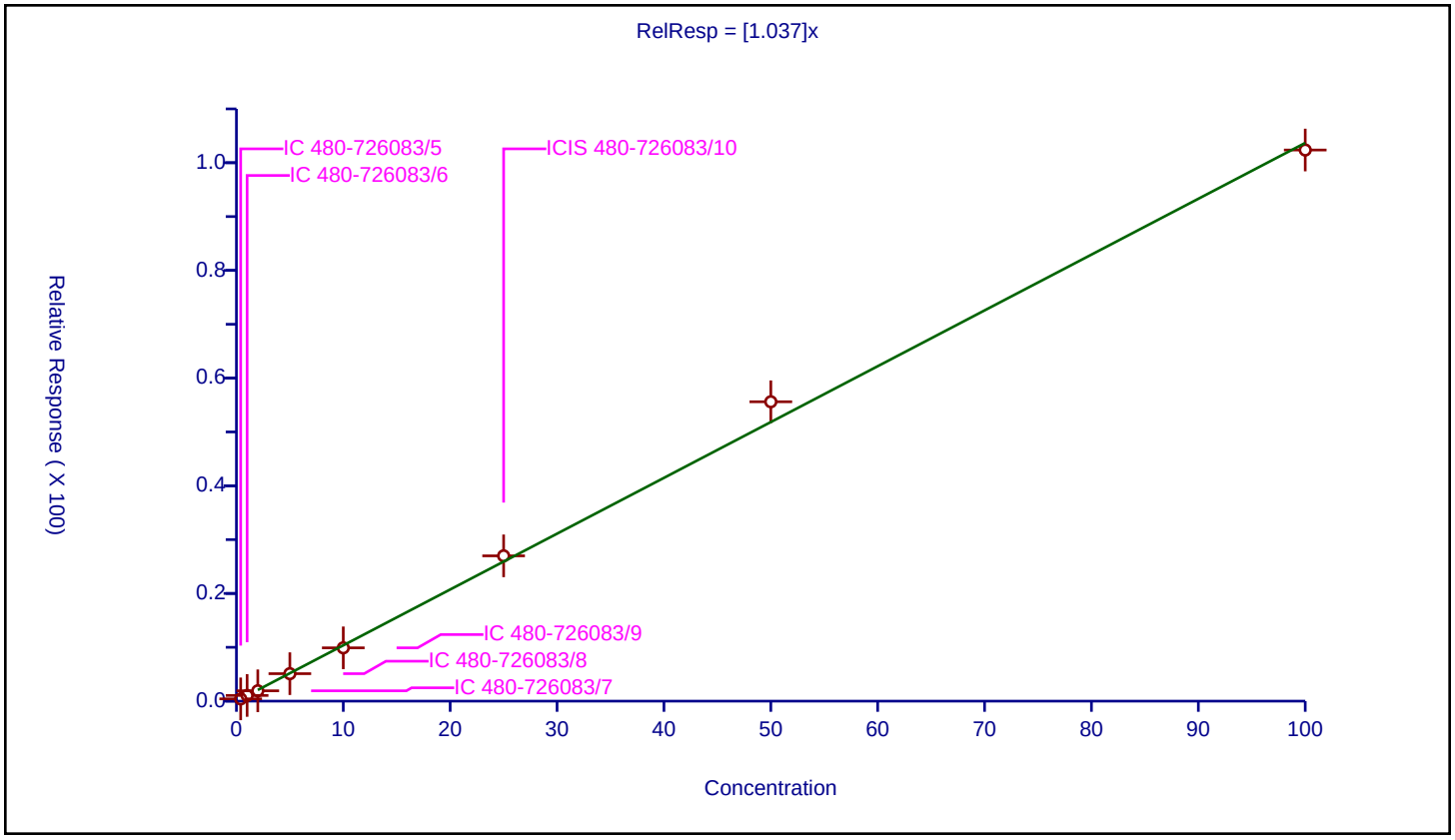
Curve Coefficients

Intercept:	0
Slope:	1.037

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.420573	25.0	364859.0	1.051434	Y
2	IC 480-726083/6	1.0	1.055588	25.0	352884.0	1.055588	Y
3	IC 480-726083/7	2.0	1.922982	25.0	365227.0	0.961491	Y
4	IC 480-726083/8	5.0	5.101115	25.0	370370.0	1.020223	Y
5	IC 480-726083/9	10.0	9.898815	25.0	360922.0	0.989881	Y
6	ICIS 480-726083/10	25.0	26.985952	25.0	344029.0	1.079438	Y
7	IC 480-726083/11	50.0	55.603756	25.0	334945.0	1.112075	Y
8	IC 480-726083/12	100.0	102.363683	25.0	334404.0	1.023637	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

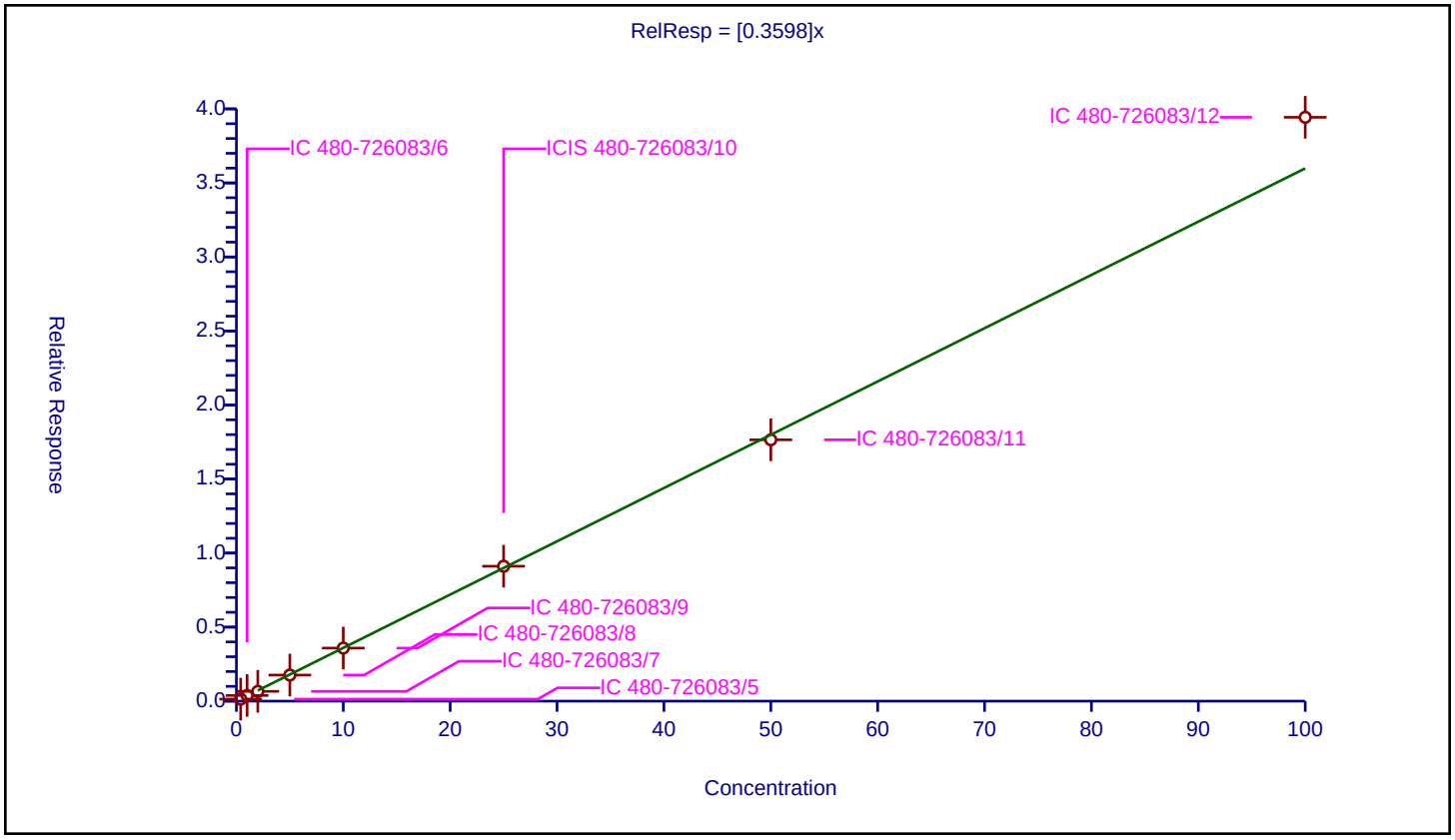
Curve Coefficients

Intercept:	0
Slope:	0.3598

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.137313	25.0	364859.0	0.343283	Y
2	IC 480-726083/6	1.0	0.382279	25.0	352884.0	0.382279	Y
3	IC 480-726083/7	2.0	0.660753	25.0	365227.0	0.330377	Y
4	IC 480-726083/8	5.0	1.761954	25.0	370370.0	0.352391	Y
5	IC 480-726083/9	10.0	3.583946	25.0	360922.0	0.358395	Y
6	ICIS 480-726083/10	25.0	9.112241	25.0	344029.0	0.36449	Y
7	IC 480-726083/11	50.0	17.650958	25.0	334945.0	0.353019	Y
8	IC 480-726083/12	100.0	39.430898	25.0	334404.0	0.394309	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

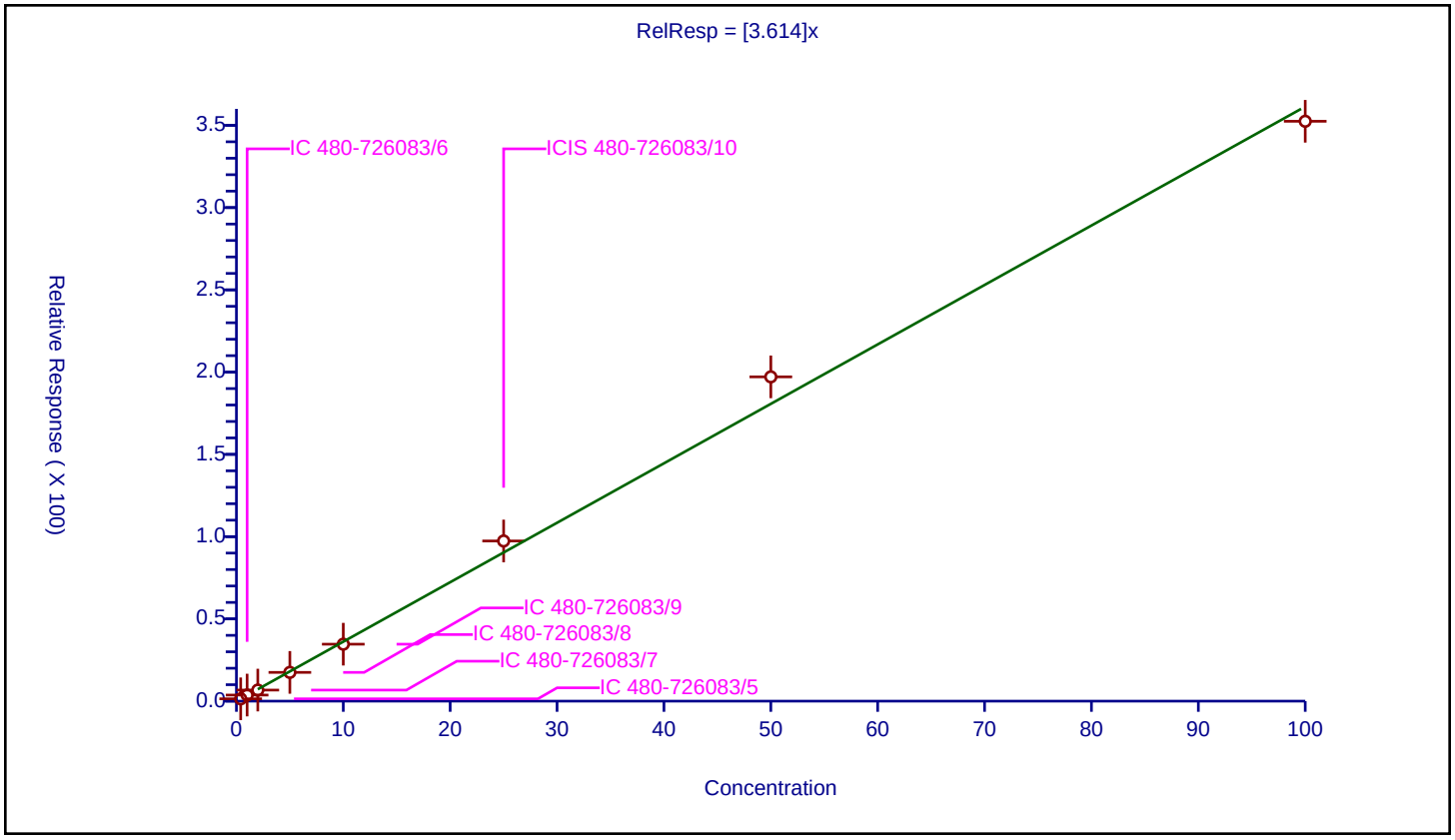
Curve Coefficients

Intercept:	0
Slope:	3.614

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	1.414999	25.0	364859.0	3.537497	Y
2	IC 480-726083/6	1.0	3.691298	25.0	352884.0	3.691298	Y
3	IC 480-726083/7	2.0	6.731088	25.0	365227.0	3.365544	Y
4	IC 480-726083/8	5.0	17.469355	25.0	370370.0	3.493871	Y
5	IC 480-726083/9	10.0	34.617036	25.0	360922.0	3.461704	Y
6	ICIS 480-726083/10	25.0	97.359743	25.0	344029.0	3.89439	Y
7	IC 480-726083/11	50.0	197.11378	25.0	334945.0	3.942276	Y
8	IC 480-726083/12	100.0	352.463861	25.0	334404.0	3.524639	Y



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Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

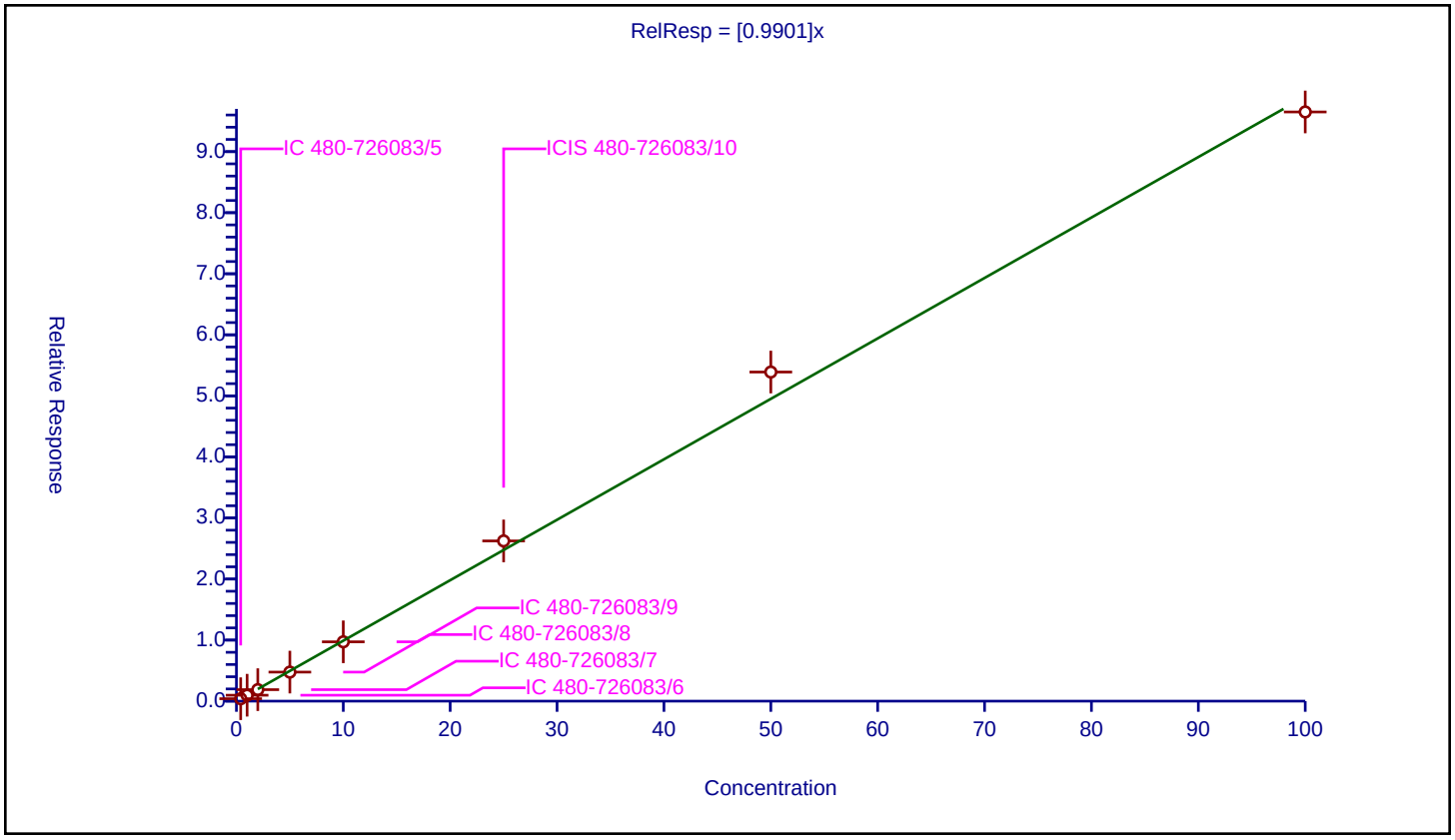
Curve Coefficients

Intercept:	0
Slope:	0.9901

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-726083/5	0.4	0.398305	25.0	364859.0	0.995761	Y
2	IC 480-726083/6	1.0	0.968661	25.0	352884.0	0.968661	Y
3	IC 480-726083/7	2.0	1.88198	25.0	365227.0	0.94099	Y
4	IC 480-726083/8	5.0	4.75511	25.0	370370.0	0.951022	Y
5	IC 480-726083/9	10.0	9.718928	25.0	360922.0	0.971893	Y
6	ICIS 480-726083/10	25.0	26.242337	25.0	344029.0	1.049693	Y
7	IC 480-726083/11	50.0	53.902133	25.0	334945.0	1.078043	Y
8	IC 480-726083/12	100.0	96.498621	25.0	334404.0	0.964986	Y



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FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-724422/34 | Calibration Date: 09/10/2024 05:43

Instrument ID: HP5973S | Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/09/2024 23:56

Lab File ID: S1920.d | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		1.365	0.1000	26.9	25.0	7.5	50.0
Chloromethane	Ave	1.628	1.636	0.1000	25.1	25.0	0.5	30.0
Vinyl chloride	Ave	1.199	1.186	0.1000	24.7	25.0	-1.0	30.0
Butadiene	Lin1		1.019		21.2	25.0	-15.4	30.0
Bromomethane	Ave	0.8253	0.7858	0.1000	23.8	25.0	-4.8	50.0
Chloroethane	Ave	0.8410	0.7932	0.1000	23.6	25.0	-5.7	50.0
Dichlorofluoromethane	Ave	2.148	2.124		24.7	25.0	-1.2	30.0
Trichlorofluoromethane	Lin1		1.737	0.1000	25.8	25.0	3.3	30.0
Ethyl ether	Ave	1.338	1.215		22.7	25.0	-9.2	30.0
Acrolein	Ave	0.2224	0.1965		110	125	-11.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.053	0.1000	27.6	25.0	10.5	30.0
1,1-Dichloroethene	Ave	0.9790	1.079	0.1000	27.5	25.0	10.2	30.0
Acetone	Ave	0.7209	0.5721	0.1000	99.2	125	-20.6	50.0
Iodomethane	Ave	1.903	1.869		24.6	25.0	-1.8	30.0
Carbon disulfide	Ave	3.395	3.510	0.1000	25.8	25.0	3.4	30.0
Allyl chloride	Ave	2.240	2.199		24.5	25.0	-1.9	30.0
Methyl acetate	Ave	1.735	1.608	0.1000	46.3	50.0	-7.3	50.0
Methylene Chloride	Lin1		1.253	0.1000	25.6	25.0	2.6	30.0
2-Methyl-2-propanol	Ave	0.1922	0.1666		217	250	-13.3	50.0
Methyl tert-butyl ether	Ave	4.505	4.189	0.1000	23.2	25.0	-7.0	30.0
trans-1,2-Dichloroethene	Ave	1.208	1.244	0.1000	25.8	25.0	3.0	30.0
Acrylonitrile	Ave	0.8407	0.7556		225	250	-10.1	30.0
Hexane	Lin1		1.677		26.8	25.0	7.2	30.0
1,1-Dichloroethane	Ave	2.235	2.223	0.2000	24.9	25.0	-0.6	30.0
Vinyl acetate	Ave	2.940	3.088		52.5	50.0	5.0	30.0
2,2-Dichloropropane	Ave	1.155	1.050		22.7	25.0	-9.1	30.0
cis-1,2-Dichloroethene	Ave	1.371	1.344	0.1000	24.5	25.0	-2.0	30.0
2-Butanone (MEK)	Ave	1.060	0.9835	0.1000	116	125	-7.2	30.0
Chlorobromomethane	Ave	0.7689	0.7055		22.9	25.0	-8.2	30.0
Tetrahydrofuran	Ave	0.7432	0.6859		46.1	50.0	-7.7	30.0
Chloroform	Ave	2.324	2.233	0.2000	24.0	25.0	-3.9	30.0
1,1,1-Trichloroethane	Ave	1.676	1.742	0.1000	26.0	25.0	3.9	30.0
Cyclohexane	Lin1		2.297	0.1000	27.8	25.0	11.1	30.0
Carbon tetrachloride	Lin1		1.472	0.1000	25.1	25.0	0.6	30.0
1,1-Dichloropropene	Ave	1.586	1.688		26.6	25.0	6.5	30.0
Benzene	Ave	4.920	4.959	0.5000	25.2	25.0	0.8	30.0
Isobutyl alcohol	Ave	0.0778	0.0608		488	625	-21.9	50.0
1,2-Dichloroethane	Ave	1.969	1.911	0.1000	24.3	25.0	-2.9	30.0
n-Heptane	Lin1		1.727		25.5	25.0	2.2	30.0
Trichloroethene	Ave	1.286	1.285	0.2000	25.0	25.0	-0.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-724422/34 Calibration Date: 09/10/2024 05:43

Instrument ID: HP5973S Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2024 23:56

Lab File ID: S1920.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.066	0.1000	28.3	25.0	13.1	30.0
1,2-Dichloropropane	Ave	1.213	1.225	0.1000	25.2	25.0	0.9	30.0
Dibromomethane	Ave	0.8707	0.8576	0.1000	24.6	25.0	-1.5	30.0
1,4-Dioxane	Lin1		0.0050		391	500	-21.9	50.0
Bromodichloromethane	Ave	1.534	1.496	0.2000	24.4	25.0	-2.5	30.0
2-Chloroethyl vinyl ether	Ave	0.9217	0.9939		27.0	25.0	7.8	30.0
cis-1,3-Dichloropropene	Ave	1.874	1.902	0.2000	25.4	25.0	1.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.058	1.042	0.1000	123	125	-1.5	30.0
Toluene	Ave	1.599	1.633	0.4000	25.5	25.0	2.1	30.0
trans-1,3-Dichloropropene	Ave	0.8673	0.8807	0.1000	25.4	25.0	1.6	30.0
Ethyl methacrylate	Ave	0.8201	0.9014		27.5	25.0	9.9	30.0
1,1,2-Trichloroethane	Ave	0.5078	0.4866	0.1000	24.0	25.0	-4.2	30.0
Tetrachloroethene	Ave	0.6699	0.6996	0.2000	26.1	25.0	4.4	30.0
1,3-Dichloropropane	Ave	1.013	0.999		24.7	25.0	-1.4	30.0
2-Hexanone	Ave	0.7259	0.7315	0.1000	126	125	0.8	30.0
Dibromochloromethane	Ave	0.5826	0.5814	0.1000	24.9	25.0	-0.2	30.0
1,2-Dibromoethane	Ave	0.6500	0.6361		24.5	25.0	-2.1	30.0
Chlorobenzene	Ave	1.783	1.804	0.5000	25.3	25.0	1.2	30.0
Ethylbenzene	Ave	2.914	3.063	0.1000	26.3	25.0	5.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5731	0.5915		25.8	25.0	3.2	30.0
m,p-Xylene	Ave	1.141	1.183	0.1000	25.9	25.0	3.7	30.0
o-Xylene	Ave	1.177	1.155	0.3000	24.5	25.0	-1.8	30.0
Styrene	Ave	1.854	1.889	0.3000	25.5	25.0	1.9	30.0
Bromoform	Ave	0.3890	0.3907	0.1000	25.1	25.0	0.4	50.0
Isopropylbenzene	Ave	2.381	2.431	0.1000	25.5	25.0	2.1	30.0
Bromobenzene	Ave	0.7470	0.7246		24.3	25.0	-3.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8401	0.8114	0.3000	24.1	25.0	-3.4	30.0
N-Propylbenzene	Ave	3.012	3.110		25.8	25.0	3.2	30.0
1,2,3-Trichloropropane	Ave	0.2862	0.2800		24.5	25.0	-2.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2403	0.2431		25.3	25.0	1.2	50.0
2-Chlorotoluene	Ave	0.6587	0.6383		24.2	25.0	-3.1	30.0
1,3,5-Trimethylbenzene	Ave	2.205	2.205		25.0	25.0	-0.0	30.0
4-Chlorotoluene	Ave	0.6712	0.6727		25.1	25.0	0.2	30.0
tert-Butylbenzene	Ave	0.4870	0.5012		25.7	25.0	2.9	30.0
1,2,4-Trimethylbenzene	Ave	2.309	2.325		25.2	25.0	0.7	30.0
sec-Butylbenzene	Ave	2.615	2.727		26.1	25.0	4.3	30.0
1,3-Dichlorobenzene	Ave	1.377	1.338	0.6000	24.3	25.0	-2.8	30.0
4-Isopropyltoluene	Ave	2.366	2.411		25.5	25.0	1.9	30.0
1,4-Dichlorobenzene	Ave	1.449	1.376	0.5000	23.8	25.0	-5.0	30.0
n-Butylbenzene	Ave	2.023	2.042		25.2	25.0	0.9	30.0
1,2-Dichlorobenzene	Ave	1.420	1.354	0.4000	23.8	25.0	-4.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-724422/34 Calibration Date: 09/10/2024 05:43

Instrument ID: HP5973S Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2024 23:56

Lab File ID: S1920.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1826	0.1740	0.0500	23.8	25.0	-4.7	50.0
1,2,4-Trichlorobenzene	Ave	0.9567	0.8987	0.2000	23.5	25.0	-6.1	30.0
Hexachlorobutadiene	Ave	0.4149	0.4045		24.4	25.0	-2.5	30.0
Naphthalene	Ave	3.288	3.132		23.8	25.0	-4.7	30.0
1,2,3-Trichlorobenzene	Ave	0.9609	0.8815		22.9	25.0	-8.3	30.0
Dibromofluoromethane (Surr)	Ave	1.276	1.224		24.0	25.0	-4.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7949	0.7830		24.6	25.0	-1.5	30.0
Toluene-d8 (Surr)	Ave	2.232	2.180		24.4	25.0	-2.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8077	0.8054		24.9	25.0	-0.3	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1920.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 10-Sep-2024 05:43:30 ALS Bottle#: 34 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0119920-034
Operator ID: ZN Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:28:15 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 10-Sep-2024 09:29:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.764	4.758	0.006	98	169497	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	85	337187	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	64	380776	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	57	207482	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.496	4.496	0.000	55	132714	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	57	734904	25.0	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	-0.001	92	271555	25.0	24.9	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	87	231329	25.0	26.9	
12 Chloromethane	50	1.126	1.126	0.000	89	277322	25.0	25.1	
13 Vinyl chloride	62	1.193	1.193	0.000	80	201100	25.0	24.7	
151 Butadiene	54	1.217	1.217	0.000	95	172731	25.0	21.2	
14 Bromomethane	94	1.442	1.442	0.000	91	133197	25.0	23.8	
15 Chloroethane	64	1.509	1.515	-0.006	94	134440	25.0	23.6	
16 Dichlorofluoromethane	67	1.685	1.686	-0.001	80	359946	25.0	24.7	
17 Trichlorofluoromethane	101	1.685	1.692	-0.007	62	294500	25.0	25.8	
18 Ethyl ether	59	1.923	1.917	0.006	94	205869	25.0	22.7	
20 Acrolein	56	2.087	2.081	0.006	97	166497	125.0	110.4	
22 1,1-Dichloroethene	96	2.117	2.105	0.012	97	182847	25.0	27.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.117	2.117	0.000	60	178429	25.0	27.6	
23 Acetone	43	2.227	2.227	0.000	98	484807	125.0	99.2	
25 Iodomethane	142	2.269	2.245	0.024	98	316857	25.0	24.6	
26 Carbon disulfide	76	2.288	2.282	0.006	99	594963	25.0	25.8	
28 3-Chloro-1-propene	41	2.452	2.446	0.006	85	372641	25.0	24.5	
27 Methyl acetate	43	2.501	2.501	0.000	96	545107	50.0	46.3	
30 Methylene Chloride	84	2.592	2.586	0.006	94	212401	25.0	25.6	
31 2-Methyl-2-propanol	59	2.768	2.762	0.006	62	282409	250.0	216.7	
32 Methyl tert-butyl ether	73	2.787	2.787	0.000	94	710100	25.0	23.2	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	78	210929	25.0	25.8	
33 Acrylonitrile	53	2.866	2.860	0.006	98	1280647	250.0	224.7	
35 Hexane	57	2.987	2.987	0.000	92	284190	25.0	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.200	3.194	0.006	85	376806	25.0	24.9	
37 Vinyl acetate	43	3.267	3.261	0.006	97	1046702	50.0	52.5	
44 2,2-Dichloropropane	77	3.699	3.693	0.006	91	177990	25.0	22.7	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	82	227813	25.0	24.5	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	98	833536	125.0	116.0	
48 Chlorobromomethane	128	3.967	3.961	0.006	97	119584	25.0	22.9	
49 Tetrahydrofuran	42	3.979	3.973	0.006	90	232528	50.0	46.1	
50 Chloroform	83	4.046	4.046	0.000	81	378509	25.0	24.0	
52 Cyclohexane	56	4.143	4.137	0.006	94	389370	25.0	27.8	
51 1,1,1-Trichloroethane	97	4.143	4.143	0.000	89	295185	25.0	26.0	
55 Carbon tetrachloride	117	4.271	4.271	0.000	78	249561	25.0	25.1	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	89	286172	25.0	26.6	
57 Benzene	78	4.490	4.490	0.000	97	840539	25.0	25.2	
53 Isobutyl alcohol	43	4.551	4.551	0.000	60	257592	625.0	488.2	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	80	323982	25.0	24.3	
59 n-Heptane	43	4.685	4.679	0.006	94	292790	25.0	25.5	
62 Trichloroethene	95	5.092	5.092	0.000	90	217785	25.0	25.0	
64 Methylcyclohexane	83	5.202	5.196	0.006	92	350102	25.0	28.3	
65 1,2-Dichloropropane	63	5.329	5.330	-0.001	89	207572	25.0	25.2	
67 Dibromomethane	93	5.463	5.463	0.000	90	145353	25.0	24.6	
66 1,4-Dioxane	88	5.482	5.482	0.000	41	33435	500.0	390.7	M
68 Dichlorobromomethane	83	5.628	5.628	0.000	98	253606	25.0	24.4	
69 2-Chloroethyl vinyl ether	63	5.913	5.914	-0.001	93	168466	25.0	27.0	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	84	322375	25.0	25.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.193	0.000	98	1756794	125.0	123.1	
74 Toluene	92	6.309	6.309	0.000	92	550682	25.0	25.5	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	95	296970	25.0	25.4	
75 Ethyl methacrylate	69	6.668	6.668	0.000	85	303953	25.0	27.5	
79 1,1,2-Trichloroethane	83	6.790	6.790	0.000	86	164083	25.0	24.0	
81 Tetrachloroethene	166	6.826	6.826	0.000	90	235888	25.0	26.1	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	96	336920	25.0	24.7	
80 2-Hexanone	43	7.027	7.027	0.000	98	1233262	125.0	126.0	
83 Chlorodibromomethane	129	7.173	7.173	0.000	87	196052	25.0	24.9	
84 Ethylene Dibromide	107	7.264	7.258	0.006	98	214482	25.0	24.5	
87 Chlorobenzene	112	7.739	7.733	0.006	93	608173	25.0	25.3	
88 Ethylbenzene	91	7.836	7.836	0.000	98	1032941	25.0	26.3	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.836	0.006	41	199437	25.0	25.8	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	98	399022	25.0	25.9	
91 o-Xylene	106	8.377	8.377	0.000	98	389465	25.0	24.5	
92 Styrene	104	8.408	8.408	0.000	90	636936	25.0	25.5	
95 Bromoform	173	8.651	8.645	0.006	95	131725	25.0	25.1	
94 Isopropylbenzene	105	8.767	8.761	0.006	96	925547	25.0	25.5	
101 Bromobenzene	156	9.101	9.101	0.000	94	275926	25.0	24.3	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	68	308943	25.0	24.1	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	1184195	25.0	25.8	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	60	106622	25.0	24.5	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.247	-0.006	58	92570	25.0	25.3	
103 2-Chlorotoluene	126	9.302	9.302	0.000	95	243052	25.0	24.2	
102 1,3,5-Trimethylbenzene	105	9.399	9.400	-0.001	94	839615	25.0	25.0	
105 4-Chlorotoluene	126	9.430	9.430	0.000	98	256152	25.0	25.1	
106 tert-Butylbenzene	134	9.734	9.734	0.000	88	190842	25.0	25.7	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	86	885311	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	1038265	25.0	26.1	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	509595	25.0	24.3	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	918171	25.0	25.5	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	94	524012	25.0	23.8	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	777470	25.0	25.2	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	96	515480	25.0	23.8	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.292	-0.001	71	66246	25.0	23.8	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	93	342220	25.0	23.5	
120 Hexachlorobutadiene	225	12.088	12.095	-0.007	93	154019	25.0	24.4	
121 Naphthalene	128	12.186	12.186	0.000	97	1192659	25.0	23.8	
122 1,2,3-Trichlorobenzene	180	12.386	12.387	-0.001	94	335655	25.0	22.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00116	Amount Added:	12.50	Units: uL	
SS GAS CORP_00592	Amount Added:	12.50	Units: uL	
S_8260_IS_00400	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00490	Amount Added:	1.00	Units: uL	Run Reagent

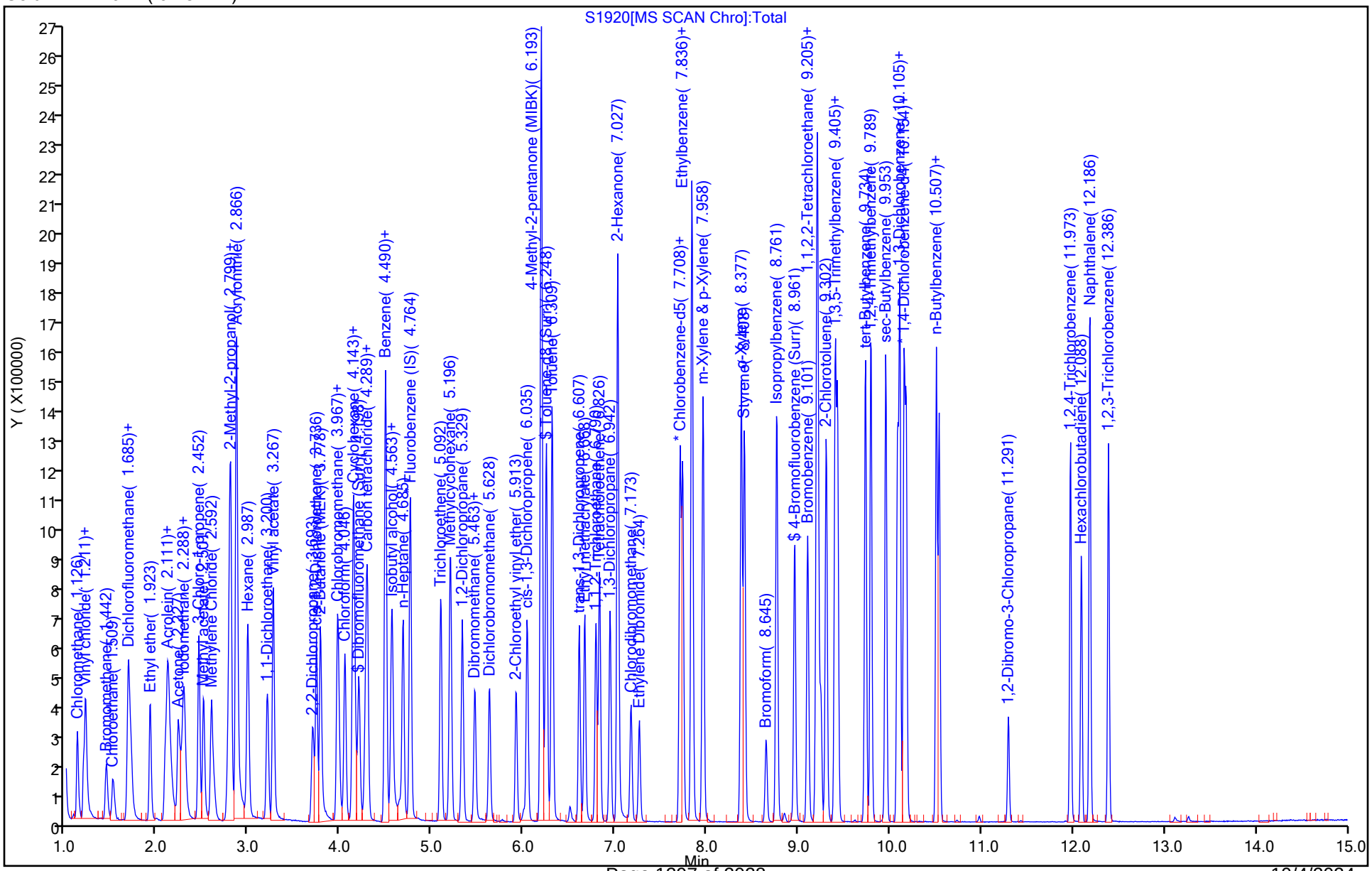
Report Date: 10-Sep-2024 10:34:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1920.d

Injection Date:	10-Sep-2024 05:43:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	ICV			Worklist Smp#:	34
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

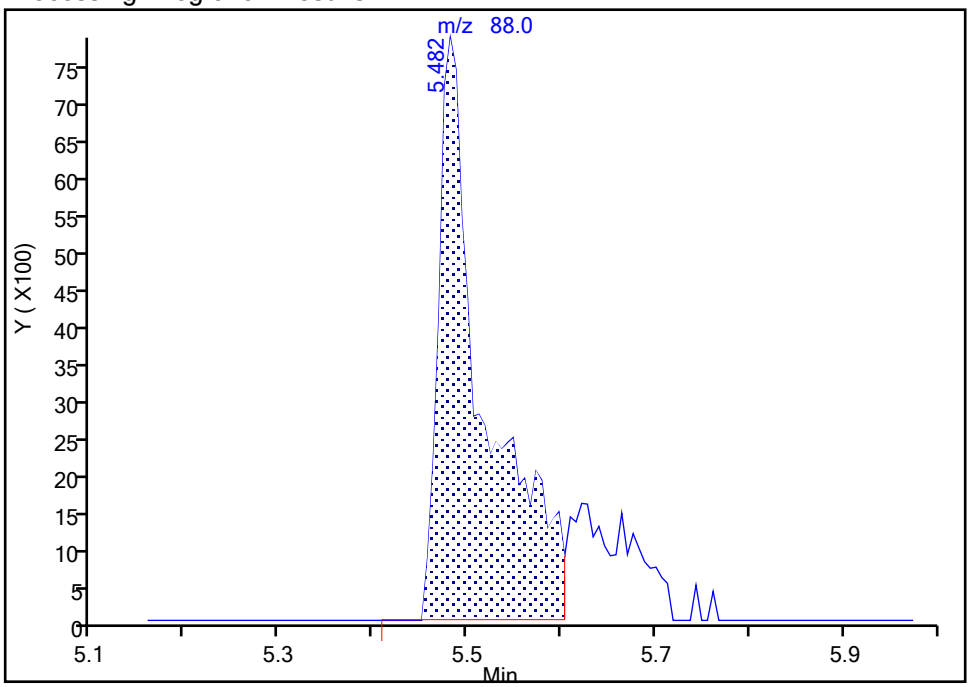
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1920.d
Injection Date: 10-Sep-2024 05:43:30 Instrument ID: HP5973S
Lims ID: ICV
Client ID:
Operator ID: ZN ALS Bottle#: 34 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

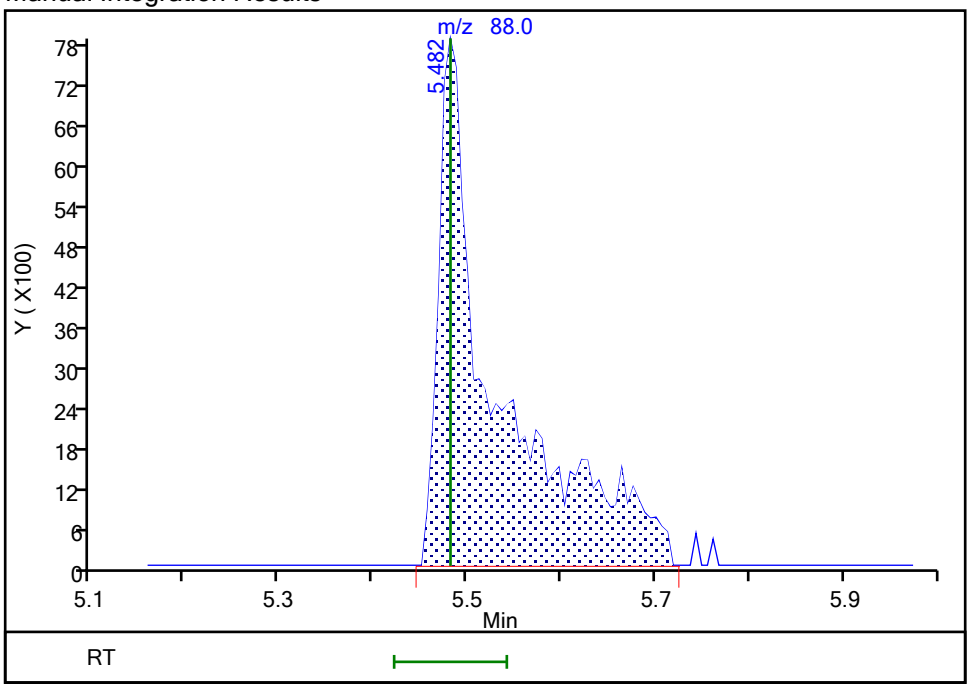
RT: 5.48
Area: 26621
Amount: 311.6286
Amount Units: ug/L

Processing Integration Results



Manual Integration Results

RT: 5.48
Area: 33435
Amount: 390.6606
Amount Units: ug/L



Reviewer: QR3Z, 10-Sep-2024 09:29:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-725969/4 Calibration Date: 09/24/2024 11:16

Instrument ID: HP5973S Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2024 23:56

Lab File ID: S2392.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		1.166	0.1000	23.0	25.0	-8.1	50.0
Chloromethane	Ave	1.628	1.475	0.1000	22.7	25.0	-9.4	20.0
Vinyl chloride	Ave	1.199	1.164	0.1000	24.3	25.0	-2.9	20.0
Butadiene	Lin1		1.157		24.0	25.0	-4.1	20.0
Bromomethane	Ave	0.8253	0.7236	0.1000	21.9	25.0	-12.3	50.0
Chloroethane	Ave	0.8410	0.7962	0.1000	23.7	25.0	-5.3	50.0
Dichlorofluoromethane	Ave	2.148	2.102		24.5	25.0	-2.2	20.0
Trichlorofluoromethane	Lin1		1.850	0.1000	27.5	25.0	10.0	20.0
Ethyl ether	Ave	1.338	1.188		22.2	25.0	-11.2	20.0
Acrolein	Ave	0.2224	0.1946		109	125	-12.5	50.0
1,1-Dichloroethene	Ave	0.9790	1.137	0.1000	29.0	25.0	16.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.153	0.1000	30.2	25.0	20.8*	20.0
Acetone	Ave	0.7209	0.5949	0.1000	103	125	-17.5	50.0
Iodomethane	Ave	1.903	1.907		25.0	25.0	0.2	20.0
Carbon disulfide	Ave	3.395	3.680	0.1000	27.1	25.0	8.4	20.0
Allyl chloride	Ave	2.240	2.224		24.8	25.0	-0.7	20.0
Methyl acetate	Ave	1.735	1.499	0.1000	43.2	50.0	-13.6	50.0
Methylene Chloride	Lin1		1.266	0.1000	25.9	25.0	3.7	20.0
2-Methyl-2-propanol	Ave	0.1922	0.1481		193	250	-22.9	50.0
Methyl tert-butyl ether	Ave	4.505	4.049	0.1000	22.5	25.0	-10.1	20.0
trans-1,2-Dichloroethene	Ave	1.208	1.258	0.1000	26.0	25.0	4.1	20.0
Acrylonitrile	Ave	0.8407	0.6609		197	250	-21.4*	20.0
Hexane	Lin1		2.094		33.4	25.0	33.6*	20.0
1,1-Dichloroethane	Ave	2.235	2.246	0.2000	25.1	25.0	0.5	20.0
Vinyl acetate	Ave	2.940	2.598		44.2	50.0	-11.6	20.0
2,2-Dichloropropane	Ave	1.155	1.219		26.4	25.0	5.6	20.0
cis-1,2-Dichloroethene	Ave	1.371	1.326	0.1000	24.2	25.0	-3.2	20.0
2-Butanone (MEK)	Ave	1.060	0.9348	0.1000	110	125	-11.8	20.0
Chlorobromomethane	Ave	0.7689	0.6951		22.6	25.0	-9.6	20.0
Tetrahydrofuran	Ave	0.7432	0.6276		42.2	50.0	-15.6	20.0
Chloroform	Ave	2.324	2.211	0.2000	23.8	25.0	-4.9	20.0
Cyclohexane	Lin1		2.465	0.1000	29.8	25.0	19.2	20.0
1,1,1-Trichloroethane	Ave	1.676	1.737	0.1000	25.9	25.0	3.6	20.0
Carbon tetrachloride	Lin1		1.415	0.1000	24.2	25.0	-3.3	20.0
1,1-Dichloropropene	Ave	1.586	1.715		27.0	25.0	8.2	20.0
Benzene	Ave	4.920	4.863	0.5000	24.7	25.0	-1.2	20.0
Isobutyl alcohol	Ave	0.0778	0.0536		431	625	-31.1	50.0
1,2-Dichloroethane	Ave	1.969	1.862	0.1000	23.6	25.0	-5.5	20.0
n-Heptane	Lin1		2.115		31.2	25.0	25.0*	20.0
Trichloroethene	Ave	1.286	1.279	0.2000	24.9	25.0	-0.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-725969/4 | Calibration Date: 09/24/2024 11:16

Instrument ID: HP5973S | Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/09/2024 23:56

Lab File ID: S2392.d | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.228	0.1000	30.5	25.0	21.9*	20.0
1,2-Dichloropropane	Ave	1.213	1.184	0.1000	24.4	25.0	-2.4	20.0
Dibromomethane	Ave	0.8707	0.8221	0.1000	23.6	25.0	-5.6	20.0
1,4-Dioxane	Lin1		0.0077		607	500	21.4	50.0
Bromodichloromethane	Ave	1.534	1.432	0.2000	23.3	25.0	-6.6	20.0
2-Chloroethyl vinyl ether	Ave	0.9217	0.8706		23.6	25.0	-5.5	20.0
cis-1,3-Dichloropropene	Ave	1.874	1.773	0.2000	23.6	25.0	-5.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.058	0.9333	0.1000	110	125	-11.8	20.0
Toluene	Ave	1.599	1.538	0.4000	24.0	25.0	-3.8	20.0
trans-1,3-Dichloropropene	Ave	0.8673	0.7813	0.1000	22.5	25.0	-9.9	20.0
Ethyl methacrylate	Ave	0.8201	0.7356		22.4	25.0	-10.3	20.0
1,1,2-Trichloroethane	Ave	0.5078	0.4477	0.1000	22.0	25.0	-11.8	20.0
Tetrachloroethene	Ave	0.6699	0.6921	0.2000	25.8	25.0	3.3	20.0
1,3-Dichloropropane	Ave	1.013	0.9017		22.2	25.0	-11.0	20.0
2-Hexanone	Ave	0.7259	0.6341	0.1000	109	125	-12.6	20.0
Dibromochloromethane	Ave	0.5826	0.5252	0.1000	22.5	25.0	-9.9	20.0
1,2-Dibromoethane	Ave	0.6500	0.5755		22.1	25.0	-11.5	20.0
Chlorobenzene	Ave	1.783	1.731	0.5000	24.3	25.0	-2.9	20.0
Ethylbenzene	Ave	2.914	2.935	0.1000	25.2	25.0	0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5731	0.5171		22.6	25.0	-9.8	20.0
m,p-Xylene	Ave	1.141	1.155	0.1000	25.3	25.0	1.2	20.0
o-Xylene	Ave	1.177	1.146	0.3000	24.3	25.0	-2.6	20.0
Styrene	Ave	1.854	1.837	0.3000	24.8	25.0	-0.9	20.0
Bromoform	Ave	0.3890	0.3357	0.1000	21.6	25.0	-13.7	50.0
Isopropylbenzene	Ave	2.381	2.644	0.1000	27.8	25.0	11.0	20.0
Bromobenzene	Ave	0.7470	0.7203		24.1	25.0	-3.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8401	0.7791	0.3000	23.2	25.0	-7.3	20.0
N-Propylbenzene	Ave	3.012	3.237		26.9	25.0	7.5	20.0
1,2,3-Trichloropropane	Ave	0.2862	0.2630		23.0	25.0	-8.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2403	0.2382		24.8	25.0	-0.8	50.0
2-Chlorotoluene	Ave	0.6587	0.6554		24.9	25.0	-0.5	20.0
1,3,5-Trimethylbenzene	Ave	2.205	2.302		26.1	25.0	4.4	20.0
4-Chlorotoluene	Ave	0.6712	0.6698		24.9	25.0	-0.2	20.0
tert-Butylbenzene	Ave	0.4870	0.5336		27.4	25.0	9.6	20.0
1,2,4-Trimethylbenzene	Ave	2.309	2.328		25.2	25.0	0.8	20.0
sec-Butylbenzene	Ave	2.615	2.897		27.7	25.0	10.8	20.0
1,3-Dichlorobenzene	Ave	1.377	1.356	0.6000	24.6	25.0	-1.5	20.0
4-Isopropyltoluene	Ave	2.366	2.544		26.9	25.0	7.5	20.0
1,4-Dichlorobenzene	Ave	1.449	1.354	0.5000	23.4	25.0	-6.5	20.0
n-Butylbenzene	Ave	2.023	2.232		27.6	25.0	10.3	20.0
1,2-Dichlorobenzene	Ave	1.420	1.317	0.4000	23.2	25.0	-7.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-725969/4 Calibration Date: 09/24/2024 11:16

Instrument ID: HP5973S Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2024 23:56

Lab File ID: S2392.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1826	0.1463	0.0500	20.0	25.0	-19.9	50.0
1,2,4-Trichlorobenzene	Ave	0.9567	0.9303	0.2000	24.3	25.0	-2.8	20.0
Hexachlorobutadiene	Ave	0.4149	0.4419		26.6	25.0	6.5	20.0
Naphthalene	Ave	3.288	3.062		23.3	25.0	-6.9	20.0
1,2,3-Trichlorobenzene	Ave	0.9609	0.8999		23.4	25.0	-6.3	20.0
Dibromofluoromethane (Surr)	Ave	1.276	1.292		25.3	25.0	1.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7949	0.8180		25.7	25.0	2.9	20.0
Toluene-d8 (Surr)	Ave	2.232	2.347		26.3	25.0	5.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8077	0.7982		24.7	25.0	-1.2	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2392.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Sep-2024 11:16:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0120183-004
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2024 11:42:30 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: QR3Z Date: 24-Sep-2024 11:42:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	155863	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	87	317758	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	64	332815	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	201394	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	55	127495	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	58	745797	25.0	26.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.961	0.000	93	253621	25.0	24.7	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	87	181755	25.0	23.0	
12 Chloromethane	50	1.126	1.126	0.000	100	229911	25.0	22.7	
13 Vinyl chloride	62	1.199	1.199	0.000	98	181452	25.0	24.3	
151 Butadiene	54	1.217	1.217	0.000	94	180275	25.0	24.0	
14 Bromomethane	94	1.442	1.442	0.000	91	112783	25.0	21.9	
15 Chloroethane	64	1.515	1.515	0.000	93	124093	25.0	23.7	
16 Dichlorofluoromethane	67	1.685	1.685	0.000	81	327619	25.0	24.5	
17 Trichlorofluoromethane	101	1.691	1.691	0.000	59	288307	25.0	27.5	
18 Ethyl ether	59	1.917	1.917	0.000	96	185105	25.0	22.2	
20 Acrolein	56	2.081	2.081	0.000	98	151661	125.0	109.4	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	96	177157	25.0	29.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.117	2.117	0.000	66	179633	25.0	30.2	
23 Acetone	43	2.227	2.227	0.000	98	463631	125.0	103.2	
25 Iodomethane	142	2.251	2.251	0.000	99	297163	25.0	25.0	
26 Carbon disulfide	76	2.282	2.282	0.000	99	573597	25.0	27.1	
28 3-Chloro-1-propene	41	2.452	2.452	0.000	86	346584	25.0	24.8	
27 Methyl acetate	43	2.501	2.501	0.000	98	467395	50.0	43.2	
30 Methylene Chloride	84	2.586	2.586	0.000	93	197357	25.0	25.9	
31 2-Methyl-2-propanol	59	2.762	2.762	0.000	70	230876	250.0	192.6	
32 Methyl tert-butyl ether	73	2.786	2.786	0.000	94	631163	25.0	22.5	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	87	196017	25.0	26.0	
33 Acrylonitrile	53	2.859	2.859	0.000	98	1030065	250.0	196.5	
35 Hexane	57	2.987	2.987	0.000	92	326303	25.0	33.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.200	3.200	0.000	97	350008	25.0	25.1	
37 Vinyl acetate	43	3.261	3.261	0.000	97	810015	50.0	44.2	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	89	189988	25.0	26.4	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	66	206740	25.0	24.2	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	98	728520	125.0	110.3	
48 Chlorobromomethane	128	3.961	3.961	0.000	95	108335	25.0	22.6	
49 Tetrahydrofuran	42	3.979	3.979	0.000	89	195644	50.0	42.2	
50 Chloroform	83	4.046	4.046	0.000	82	344587	25.0	23.8	
52 Cyclohexane	56	4.137	4.137	0.000	94	384272	25.0	29.8	
51 1,1,1-Trichloroethane	97	4.143	4.143	0.000	88	270696	25.0	25.9	
55 Carbon tetrachloride	117	4.271	4.271	0.000	80	220568	25.0	24.2	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	89	267333	25.0	27.0	
57 Benzene	78	4.490	4.490	0.000	96	757985	25.0	24.7	
53 Isobutyl alcohol	43	4.551	4.551	0.000	54	208961	625.0	430.7	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	80	290183	25.0	23.6	
59 n-Heptane	43	4.678	4.678	0.000	96	329618	25.0	31.2	
62 Trichloroethene	95	5.092	5.092	0.000	91	199396	25.0	24.9	
64 Methylcyclohexane	83	5.196	5.196	0.000	94	347207	25.0	30.5	
65 1,2-Dichloropropane	63	5.329	5.329	0.000	89	184568	25.0	24.4	
67 Dibromomethane	93	5.463	5.463	0.000	90	128138	25.0	23.6	
66 1,4-Dioxane	88	5.475	5.475	0.000	38	49106	500.0	607.2	M
68 Dichlorobromomethane	83	5.621	5.621	0.000	92	223238	25.0	23.3	
69 2-Chloroethyl vinyl ether	63	5.913	5.913	0.000	92	135688	25.0	23.6	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	85	276328	25.0	23.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	1482854	125.0	110.3	
74 Toluene	92	6.309	6.309	0.000	93	488693	25.0	24.0	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	99	248249	25.0	22.5	
75 Ethyl methacrylate	69	6.668	6.668	0.000	73	233729	25.0	22.4	
79 1,1,2-Trichloroethane	83	6.789	6.789	0.000	87	142252	25.0	22.0	
81 Tetrachloroethene	166	6.826	6.826	0.000	94	219907	25.0	25.8	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	97	286517	25.0	22.2	
80 2-Hexanone	43	7.027	7.027	0.000	98	1007517	125.0	109.2	
83 Chlorodibromomethane	129	7.173	7.173	0.000	88	166874	25.0	22.5	
84 Ethylene Dibromide	107	7.264	7.264	0.000	99	182856	25.0	22.1	
87 Chlorobenzene	112	7.739	7.739	0.000	93	550064	25.0	24.3	
88 Ethylbenzene	91	7.836	7.836	0.000	98	932484	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.842	0.000	46	164317	25.0	22.6	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	99	367000	25.0	25.3	
91 o-Xylene	106	8.377	8.377	0.000	98	364087	25.0	24.3	
92 Styrene	104	8.408	8.408	0.000	94	583709	25.0	24.8	
95 Bromoform	173	8.645	8.645	0.000	95	106684	25.0	21.6	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	879954	25.0	27.8	
101 Bromobenzene	156	9.101	9.101	0.000	93	239726	25.0	24.1	
97 1,1,2,2-Tetrachloroethane	83	9.192	9.192	0.000	72	259299	25.0	23.2	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	1077425	25.0	26.9	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	61	87521	25.0	23.0	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.241	0.000	80	79289	25.0	24.8	
103 2-Chlorotoluene	126	9.302	9.302	0.000	96	218139	25.0	24.9	
102 1,3,5-Trimethylbenzene	105	9.399	9.399	0.000	93	766146	25.0	26.1	
105 4-Chlorotoluene	126	9.430	9.430	0.000	97	222922	25.0	24.9	
106 tert-Butylbenzene	134	9.734	9.734	0.000	92	177605	25.0	27.4	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	86	774785	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	95	964041	25.0	27.7	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	451460	25.0	24.6	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	846739	25.0	26.9	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	94	450705	25.0	23.4	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	742690	25.0	27.6	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	96	438458	25.0	23.2	
117 1,2-Dibromo-3-Chloropropane	75	11.297	11.297	0.000	79	48693	25.0	20.0	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	93	309614	25.0	24.3	
120 Hexachlorobutadiene	225	12.088	12.088	0.000	95	147057	25.0	26.6	
121 Naphthalene	128	12.180	12.180	0.000	97	1019084	25.0	23.3	
122 1,2,3-Trichlorobenzene	180	12.386	12.386	0.000	95	299491	25.0	23.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00258	Amount Added:	12.50	Units: uL	
GAS CORP mix_00641	Amount Added:	12.50	Units: uL	
S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

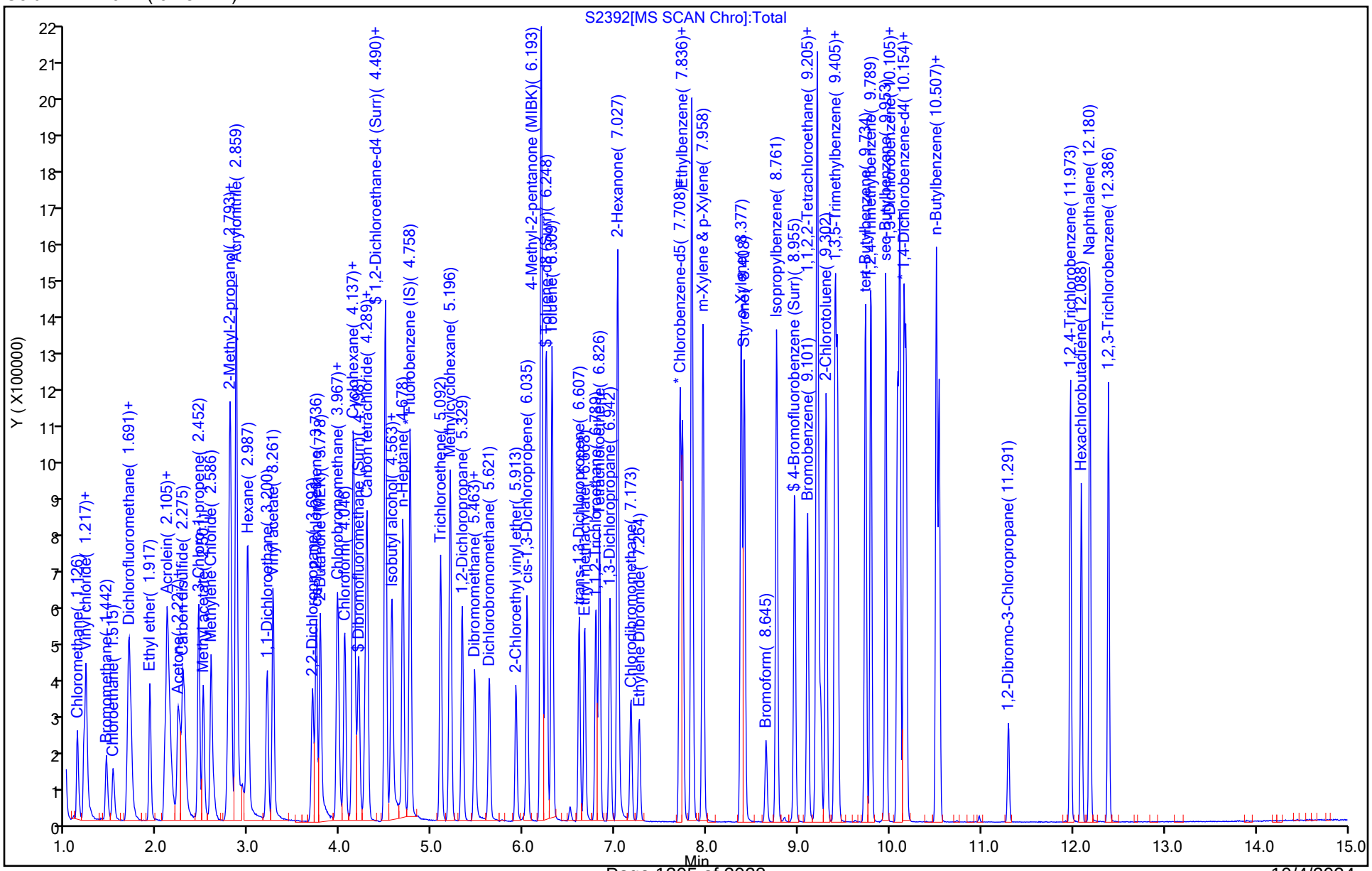
Report Date: 24-Sep-2024 11:42:31 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2392.d

Injection Date:	24-Sep-2024 11:16:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

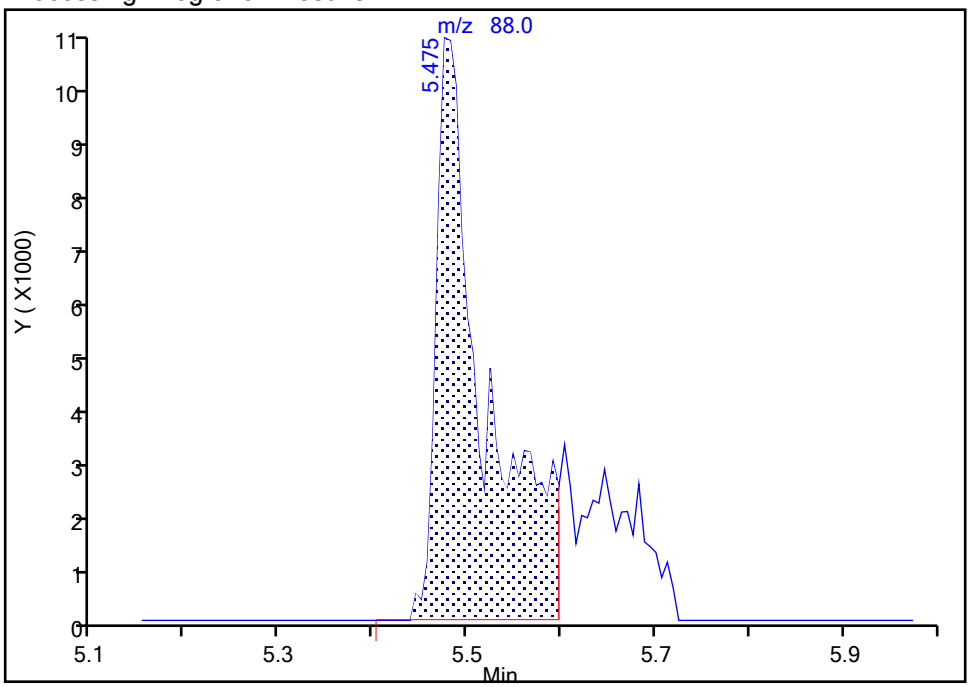
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2392.d
Injection Date: 24-Sep-2024 11:16:30 Instrument ID: HP5973S
Lims ID: CCVIS
Client ID:
Operator ID: ZN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

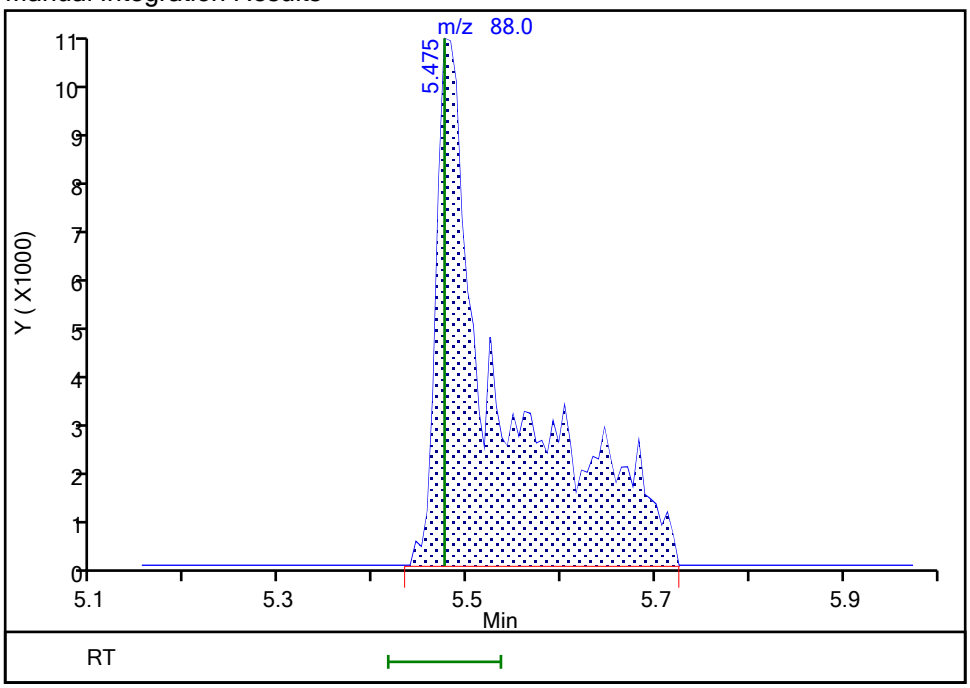
Processing Integration Results

RT: 5.48
Area: 36437
Amount: 451.3195
Amount Units: ug/L



Manual Integration Results

RT: 5.48
Area: 49106
Amount: 607.2452
Amount Units: ug/L



Reviewer: QR3Z, 24-Sep-2024 11:37:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726373/4 | Calibration Date: 09/27/2024 10:40

Instrument ID: HP5973S | Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/09/2024 23:56

Lab File ID: S2503.d | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		1.439	0.1000	28.3	25.0	13.3	50.0
Chloromethane	Ave	1.628	1.594	0.1000	24.5	25.0	-2.1	20.0
Vinyl chloride	Ave	1.199	1.239	0.1000	25.8	25.0	3.4	20.0
Butadiene	Lin1		1.340		27.8	25.0	11.0	20.0
Bromomethane	Ave	0.8253	0.7654	0.1000	23.2	25.0	-7.3	50.0
Chloroethane	Ave	0.8410	0.8134	0.1000	24.2	25.0	-3.3	50.0
Dichlorofluoromethane	Ave	2.148	2.119		24.7	25.0	-1.4	20.0
Trichlorofluoromethane	Lin1		1.850	0.1000	27.5	25.0	10.0	20.0
Ethyl ether	Ave	1.338	1.097		20.5	25.0	-18.0	20.0
Acrolein	Ave	0.2224	0.1723		96.8	125	-22.5	50.0
1,1-Dichloroethene	Ave	0.9790	1.019	0.1000	26.0	25.0	4.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.075	0.1000	28.2	25.0	12.7	20.0
Acetone	Ave	0.7209	0.6217	0.1000	108	125	-13.8	50.0
Iodomethane	Ave	1.903	1.783		23.4	25.0	-6.3	20.0
Carbon disulfide	Ave	3.395	3.285	0.1000	24.2	25.0	-3.3	20.0
Allyl chloride	Ave	2.240	2.026		22.6	25.0	-9.5	20.0
Methyl acetate	Ave	1.735	1.404	0.1000	40.4	50.0	-19.1	50.0
Methylene Chloride	Lin1		1.193	0.1000	24.4	25.0	-2.4	20.0
2-Methyl-2-propanol	Ave	0.1922	0.2002		260	250	4.2	50.0
Methyl tert-butyl ether	Ave	4.505	3.856	0.1000	21.4	25.0	-14.4	20.0
trans-1,2-Dichloroethene	Ave	1.208	1.158	0.1000	24.0	25.0	-4.1	20.0
Acrylonitrile	Ave	0.8407	0.7233		215	250	-14.0	20.0
Hexane	Lin1		1.910		30.5	25.0	22.0*	20.0
1,1-Dichloroethane	Ave	2.235	2.033	0.2000	22.7	25.0	-9.1	20.0
Vinyl acetate	Ave	2.940	2.729		46.4	50.0	-7.2	20.0
2,2-Dichloropropane	Ave	1.155	1.157		25.0	25.0	0.2	20.0
cis-1,2-Dichloroethene	Ave	1.371	1.242	0.1000	22.7	25.0	-9.4	20.0
2-Butanone (MEK)	Ave	1.060	0.8982	0.1000	106	125	-15.2	20.0
Chlorobromomethane	Ave	0.7689	0.6532		21.2	25.0	-15.1	20.0
Tetrahydrofuran	Ave	0.7432	0.6311		42.5	50.0	-15.1	20.0
Chloroform	Ave	2.324	2.061	0.2000	22.2	25.0	-11.3	20.0
1,1,1-Trichloroethane	Ave	1.676	1.646	0.1000	24.5	25.0	-1.8	20.0
Cyclohexane	Lin1		2.228	0.1000	26.9	25.0	7.8	20.0
Carbon tetrachloride	Lin1		1.372	0.1000	23.4	25.0	-6.3	20.0
1,1-Dichloropropene	Ave	1.586	1.596		25.2	25.0	0.6	20.0
Benzene	Ave	4.920	4.454	0.5000	22.6	25.0	-9.5	20.0
Isobutyl alcohol	Ave	0.0778	0.0703		564	625	-9.7	50.0
1,2-Dichloroethane	Ave	1.969	1.741	0.1000	22.1	25.0	-11.6	20.0
n-Heptane	Lin1		1.958		28.9	25.0	15.7	20.0
Trichloroethene	Ave	1.286	1.198	0.2000	23.3	25.0	-6.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726373/4 Calibration Date: 09/27/2024 10:40

Instrument ID: HP5973S Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2024 23:56

Lab File ID: S2503.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.120	0.1000	29.0	25.0	16.0	20.0
1,2-Dichloropropane	Ave	1.213	1.097	0.1000	22.6	25.0	-9.6	20.0
Dibromomethane	Ave	0.8707	0.7678	0.1000	22.0	25.0	-11.8	20.0
1,4-Dioxane	Lin1		0.0081		636	500	27.1	50.0
Bromodichloromethane	Ave	1.534	1.347	0.2000	22.0	25.0	-12.2	20.0
2-Chloroethyl vinyl ether	Ave	0.9217	0.8471		23.0	25.0	-8.1	20.0
cis-1,3-Dichloropropene	Ave	1.874	1.691	0.2000	22.6	25.0	-9.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.058	0.9290	0.1000	110	125	-12.2	20.0
Toluene	Ave	1.599	1.465	0.4000	22.9	25.0	-8.4	20.0
trans-1,3-Dichloropropene	Ave	0.8673	0.7721	0.1000	22.3	25.0	-11.0	20.0
Ethyl methacrylate	Ave	0.8201	0.7537		23.0	25.0	-8.1	20.0
1,1,2-Trichloroethane	Ave	0.5078	0.4413	0.1000	21.7	25.0	-13.1	20.0
Tetrachloroethene	Ave	0.6699	0.6902	0.2000	25.8	25.0	3.0	20.0
1,3-Dichloropropane	Ave	1.013	0.9055		22.3	25.0	-10.6	20.0
2-Hexanone	Ave	0.7259	0.6267	0.1000	108	125	-13.7	20.0
Dibromochloromethane	Ave	0.5826	0.4998	0.1000	21.4	25.0	-14.2	20.0
1,2-Dibromoethane	Ave	0.6500	0.5615		21.6	25.0	-13.6	20.0
Chlorobenzene	Ave	1.783	1.653	0.5000	23.2	25.0	-7.3	20.0
Ethylbenzene	Ave	2.914	2.771	0.1000	23.8	25.0	-4.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5731	0.5221		22.8	25.0	-8.9	20.0
m,p-Xylene	Ave	1.141	1.089	0.1000	23.9	25.0	-4.6	20.0
o-Xylene	Ave	1.177	1.127	0.3000	23.9	25.0	-4.2	20.0
Styrene	Ave	1.854	1.766	0.3000	23.8	25.0	-4.7	20.0
Bromoform	Ave	0.3890	0.3502	0.1000	22.5	25.0	-10.0	50.0
Isopropylbenzene	Ave	2.381	2.420	0.1000	25.4	25.0	1.6	20.0
Bromobenzene	Ave	0.7470	0.6848		22.9	25.0	-8.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8401	0.7471	0.3000	22.2	25.0	-11.1	20.0
N-Propylbenzene	Ave	3.012	2.997		24.9	25.0	-0.5	20.0
1,2,3-Trichloropropane	Ave	0.2862	0.2545		22.2	25.0	-11.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2403	0.1868		19.4	25.0	-22.2	50.0
2-Chlorotoluene	Ave	0.6587	0.6316		24.0	25.0	-4.1	20.0
1,3,5-Trimethylbenzene	Ave	2.205	2.198		24.9	25.0	-0.3	20.0
4-Chlorotoluene	Ave	0.6712	0.6434		24.0	25.0	-4.1	20.0
tert-Butylbenzene	Ave	0.4870	0.4886		25.1	25.0	0.3	20.0
1,2,4-Trimethylbenzene	Ave	2.309	2.199		23.8	25.0	-4.7	20.0
sec-Butylbenzene	Ave	2.615	2.678		25.6	25.0	2.4	20.0
1,3-Dichlorobenzene	Ave	1.377	1.263	0.6000	22.9	25.0	-8.3	20.0
4-Isopropyltoluene	Ave	2.366	2.402		25.4	25.0	1.5	20.0
1,4-Dichlorobenzene	Ave	1.449	1.295	0.5000	22.3	25.0	-10.6	20.0
n-Butylbenzene	Ave	2.023	2.097		25.9	25.0	3.6	20.0
1,2-Dichlorobenzene	Ave	1.420	1.249	0.4000	22.0	25.0	-12.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726373/4 Calibration Date: 09/27/2024 10:40

Instrument ID: HP5973S Calib Start Date: 09/09/2024 20:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2024 23:56

Lab File ID: S2503.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1826	0.1476	0.0500	20.2	25.0	-19.2	50.0
1,2,4-Trichlorobenzene	Ave	0.9567	0.9181	0.2000	24.0	25.0	-4.0	20.0
Hexachlorobutadiene	Ave	0.4149	0.4300		25.9	25.0	3.6	20.0
Naphthalene	Ave	3.288	2.984		22.7	25.0	-9.2	20.0
1,2,3-Trichlorobenzene	Ave	0.9609	0.8958		23.3	25.0	-6.8	20.0
Dibromofluoromethane (Surr)	Ave	1.276	1.285		25.2	25.0	0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7949	0.8034		25.3	25.0	1.1	20.0
Toluene-d8 (Surr)	Ave	2.232	2.410		27.0	25.0	8.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8077	0.8520		26.4	25.0	5.5	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2503.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Sep-2024 10:40:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0120249-004
Operator ID: ZN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 10:59:04 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: QR3Z Date: 27-Sep-2024 10:59:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	184286	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	87	355494	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	67	405397	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	56	236898	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	57	148048	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	59	856718	25.0	27.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.962	0.000	93	302873	25.0	26.4	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	88	265236	25.0	28.3	
12 Chloromethane	50	1.120	1.120	0.000	88	293761	25.0	24.5	
13 Vinyl chloride	62	1.193	1.193	0.000	82	228401	25.0	25.8	
151 Butadiene	54	1.217	1.217	0.000	94	246999	25.0	27.8	
14 Bromomethane	94	1.430	1.430	0.000	92	141046	25.0	23.2	
15 Chloroethane	64	1.509	1.509	0.000	99	149902	25.0	24.2	
16 Dichlorofluoromethane	67	1.679	1.679	0.000	81	390547	25.0	24.7	
17 Trichlorofluoromethane	101	1.686	1.686	0.000	61	341002	25.0	27.5	
18 Ethyl ether	59	1.917	1.917	0.000	96	202122	25.0	20.5	
20 Acrolein	56	2.081	2.081	0.000	98	158776	125.0	96.8	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	87	187787	25.0	26.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.111	0.000	69	198052	25.0	28.2	
23 Acetone	43	2.227	2.227	0.000	98	572828	125.0	107.8	
25 Iodomethane	142	2.245	2.245	0.000	99	328531	25.0	23.4	
26 Carbon disulfide	76	2.276	2.276	0.000	99	605288	25.0	24.2	
28 3-Chloro-1-propene	41	2.446	2.446	0.000	85	373403	25.0	22.6	
27 Methyl acetate	43	2.501	2.501	0.000	99	517307	50.0	40.4	
30 Methylene Chloride	84	2.580	2.580	0.000	92	219937	25.0	24.4	
31 2-Methyl-2-propanol	59	2.768	2.768	0.000	62	369003	250.0	260.4	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	94	710603	25.0	21.4	
34 trans-1,2-Dichloroethene	96	2.793	2.793	0.000	74	213368	25.0	24.0	
33 Acrylonitrile	53	2.860	2.860	0.000	100	1332998	250.0	215.1	
35 Hexane	57	2.981	2.981	0.000	93	351931	25.0	30.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.194	3.194	0.000	85	374674	25.0	22.7	
37 Vinyl acetate	43	3.261	3.261	0.000	97	1005822	50.0	46.4	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	90	213208	25.0	25.0	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	70	228956	25.0	22.7	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	99	827618	125.0	106.0	
48 Chlorobromomethane	128	3.961	3.961	0.000	93	120375	25.0	21.2	
49 Tetrahydrofuran	42	3.973	3.973	0.000	87	232598	50.0	42.5	
50 Chloroform	83	4.046	4.046	0.000	95	379885	25.0	22.2	
52 Cyclohexane	56	4.137	4.137	0.000	94	410669	25.0	26.9	
51 1,1,1-Trichloroethane	97	4.137	4.137	0.000	85	303308	25.0	24.5	
55 Carbon tetrachloride	117	4.271	4.271	0.000	78	252832	25.0	23.4	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	90	294036	25.0	25.2	
57 Benzene	78	4.484	4.484	0.000	97	820758	25.0	22.6	
53 Isobutyl alcohol	43	4.551	4.551	0.000	73	323735	625.0	564.4	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	86	320777	25.0	22.1	
59 n-Heptane	43	4.679	4.679	0.000	91	360825	25.0	28.9	
62 Trichloroethene	95	5.092	5.092	0.000	92	220723	25.0	23.3	
64 Methylcyclohexane	83	5.196	5.196	0.000	90	390715	25.0	29.0	
65 1,2-Dichloropropane	63	5.330	5.330	0.000	88	202086	25.0	22.6	
67 Dibromomethane	93	5.463	5.463	0.000	87	141488	25.0	22.0	
66 1,4-Dioxane	88	5.482	5.482	0.000	68	57527	500.0	635.7	
68 Dichlorobromomethane	83	5.622	5.622	0.000	92	248283	25.0	22.0	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	91	156100	25.0	23.0	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	86	311557	25.0	22.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	1651207	125.0	109.8	
74 Toluene	92	6.309	6.309	0.000	92	520691	25.0	22.9	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	98	274484	25.0	22.3	
75 Ethyl methacrylate	69	6.668	6.668	0.000	83	267925	25.0	23.0	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	88	156863	25.0	21.7	
81 Tetrachloroethene	166	6.826	6.826	0.000	84	245363	25.0	25.8	
82 1,3-Dichloropropane	76	6.942	6.942	0.000	95	321906	25.0	22.3	
80 2-Hexanone	43	7.027	7.027	0.000	98	1113947	125.0	107.9	
83 Chlorodibromomethane	129	7.167	7.167	0.000	87	177688	25.0	21.4	
84 Ethylene Dibromide	107	7.258	7.258	0.000	99	199614	25.0	21.6	
87 Chlorobenzene	112	7.733	7.733	0.000	93	587696	25.0	23.2	
88 Ethylbenzene	91	7.836	7.836	0.000	99	985036	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	7.842	7.842	0.000	42	185596	25.0	22.8	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	99	387085	25.0	23.9	
91 o-Xylene	106	8.377	8.377	0.000	97	400502	25.0	23.9	
92 Styrene	104	8.408	8.408	0.000	94	627793	25.0	23.8	
95 Bromoform	173	8.645	8.645	0.000	95	124506	25.0	22.5	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	981036	25.0	25.4	
101 Bromobenzene	156	9.101	9.101	0.000	92	277612	25.0	22.9	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	65	302891	25.0	22.2	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	1214789	25.0	24.9	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	62	103182	25.0	22.2	
98 trans-1,4-Dichloro-2-butene	53	9.247	9.247	0.000	1	75747	25.0	19.4	
103 2-Chlorotoluene	126	9.302	9.302	0.000	96	256058	25.0	24.0	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	94	891133	25.0	24.9	
105 4-Chlorotoluene	126	9.424	9.424	0.000	96	260849	25.0	24.0	
106 tert-Butylbenzene	134	9.734	9.734	0.000	92	198075	25.0	25.1	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	48	891615	25.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	1085585	25.0	25.6	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	98	511870	25.0	22.9	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	973947	25.0	25.4	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	95	524838	25.0	22.3	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	850117	25.0	25.9	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	97	506365	25.0	22.0	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	77	59830	25.0	20.2	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	95	372205	25.0	24.0	
120 Hexachlorobutadiene	225	12.088	12.088	0.000	96	174329	25.0	25.9	
121 Naphthalene	128	12.180	12.180	0.000	97	1209650	25.0	22.7	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	95	363139	25.0	23.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00258	Amount Added: 12.50	Units: uL	
GAS CORP mix_00642	Amount Added: 12.50	Units: uL	
S_8260_IS_00401	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added: 1.00	Units: uL	Run Reagent

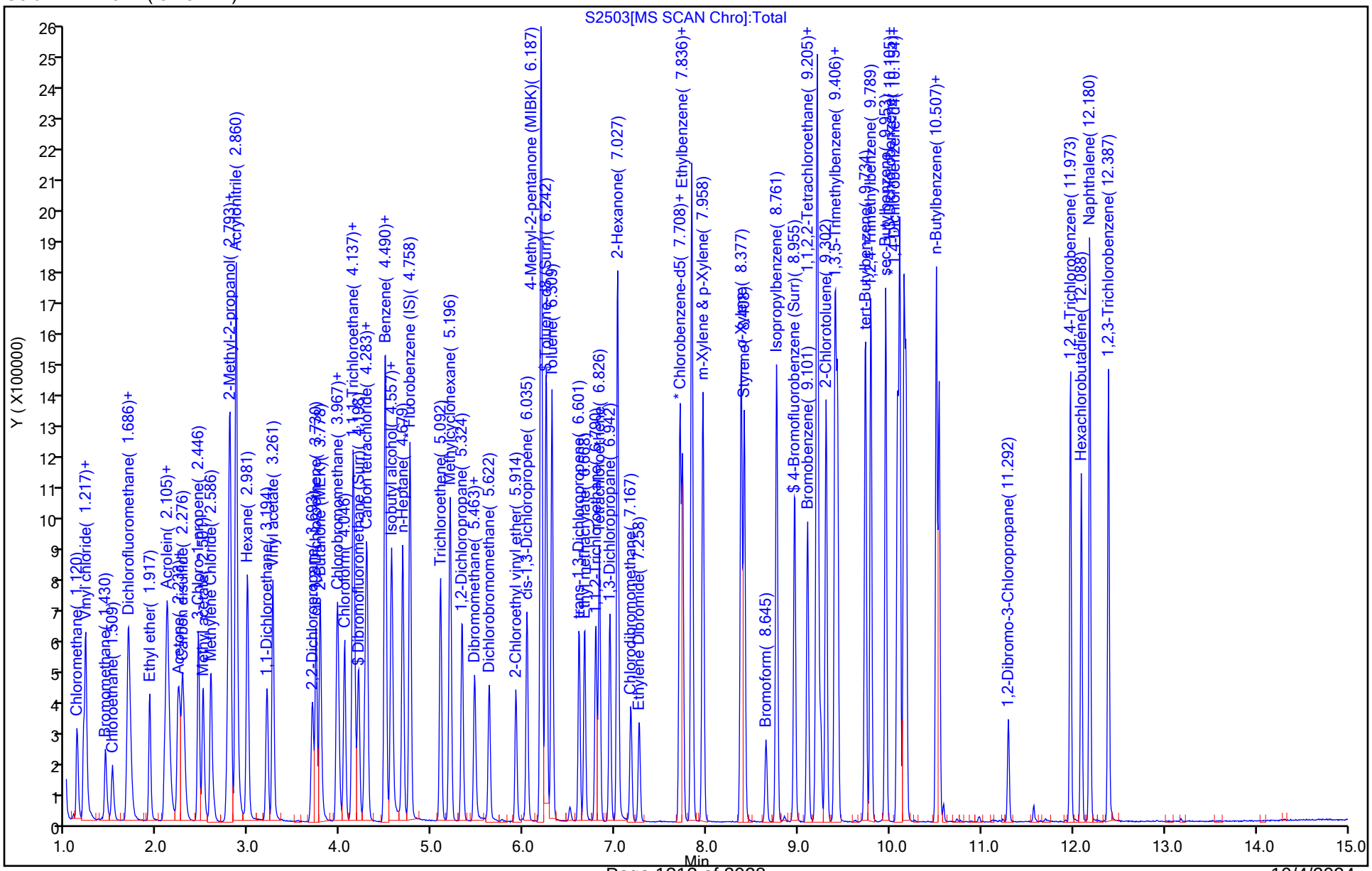
Report Date: 27-Sep-2024 10:59:05 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2503.d

Injection Date:	27-Sep-2024 10:40:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-725605/34 Calibration Date: 09/19/2024 23:11

Instrument ID: HP5975D Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2024 01:02

Lab File ID: D6855.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.011	2.090	0.1000	26.0	25.0	3.9	50.0
Chloromethane	Ave	2.234	2.259	0.1000	25.3	25.0	1.1	30.0
Vinyl chloride	Ave	1.376	1.435	0.1000	26.1	25.0	4.3	30.0
Butadiene	Ave	1.366	1.463		26.8	25.0	7.1	30.0
Bromomethane	Ave	1.041	1.071	0.1000	25.7	25.0	2.9	50.0
Chloroethane	Ave	0.6918	0.7128	0.1000	25.8	25.0	3.0	50.0
Dichlorofluoromethane	Ave	2.243	2.275		25.3	25.0	1.4	30.0
Trichlorofluoromethane	Ave	1.802	1.820	0.1000	25.2	25.0	1.0	30.0
Ethyl ether	Ave	0.8865	0.8933		25.2	25.0	0.8	30.0
Acrolein	Ave	0.1426	0.1446		127	125	1.4	50.0
1,1-Dichloroethene	Ave	1.030	1.073	0.1000	26.0	25.0	4.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.151	1.168	0.1000	25.4	25.0	1.5	30.0
Acetone	Ave	0.5291	0.5192	0.1000	123	125	-1.9	50.0
Iodomethane	Ave	2.496	2.556		25.6	25.0	2.4	30.0
Carbon disulfide	Ave	3.756	3.915	0.1000	26.1	25.0	4.3	30.0
Allyl chloride	Ave	2.273	2.378		26.2	25.0	4.6	30.0
Methyl acetate	Ave	1.341	1.377	0.1000	51.3	50.0	2.6	50.0
Methylene Chloride	Lin1		1.325	0.1000	26.0	25.0	4.0	30.0
2-Methyl-2-propanol	Ave	0.1639	0.1751		267	250	6.8	50.0
Methyl tert-butyl ether	Ave	3.269	3.350	0.1000	25.6	25.0	2.5	30.0
trans-1,2-Dichloroethene	Ave	1.176	1.219	0.1000	25.9	25.0	3.7	30.0
Acrylonitrile	Ave	0.5971	0.6150		258	250	3.0	30.0
Hexane	Ave	1.775	1.708		24.0	25.0	-3.8	30.0
1,1-Dichloroethane	Ave	2.387	2.449	0.2000	25.7	25.0	2.6	30.0
Vinyl acetate	Ave	3.106	3.304		53.2	50.0	6.4	30.0
2,2-Dichloropropane	Ave	1.287	1.253		24.3	25.0	-2.7	30.0
cis-1,2-Dichloroethene	Ave	1.323	1.371	0.1000	25.9	25.0	3.7	30.0
2-Butanone (MEK)	Ave	0.8070	0.8543	0.1000	132	125	5.9	30.0
Chlorobromomethane	Ave	0.7697	0.7862		25.5	25.0	2.1	30.0
Tetrahydrofuran	Ave	0.5811	0.5643		48.6	50.0	-2.9	30.0
Chloroform	Ave	2.392	2.300	0.2000	24.0	25.0	-3.8	30.0
1,1,1-Trichloroethane	Ave	1.835	1.855	0.1000	25.3	25.0	1.1	30.0
Cyclohexane	Ave	2.155	2.202	0.1000	25.5	25.0	2.2	30.0
Carbon tetrachloride	Ave	1.732	1.724	0.1000	24.9	25.0	-0.5	30.0
1,1-Dichloropropene	Ave	1.583	1.605		25.4	25.0	1.4	30.0
Benzene	Ave	4.461	4.485	0.5000	25.1	25.0	0.5	30.0
Isobutyl alcohol	Ave	0.0794	0.0821		646	625	3.4	50.0
1,2-Dichloroethane	Ave	1.931	1.889	0.1000	24.5	25.0	-2.2	30.0
n-Heptane	Ave	2.186	1.908		21.8	25.0	-12.7	30.0
Trichloroethene	Ave	1.277	1.288	0.2000	25.2	25.0	0.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-725605/34 | Calibration Date: 09/19/2024 23:11

Instrument ID: HP5975D | Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/20/2024 01:02

Lab File ID: D6855.d | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.718	1.741	0.1000	25.3	25.0	1.3	30.0
1,2-Dichloropropane	Ave	1.289	1.306	0.1000	25.3	25.0	1.3	30.0
1,4-Dioxane	Lin1		0.0056		488	500	-2.4	50.0
Dibromomethane	Ave	0.9222	0.9541	0.1000	25.9	25.0	3.5	30.0
Bromodichloromethane	Ave	1.622	1.654	0.2000	25.5	25.0	2.0	30.0
2-Chloroethyl vinyl ether	Ave	0.8145	0.8982		27.6	25.0	10.3	30.0
cis-1,3-Dichloropropene	Ave	1.814	1.900	0.2000	26.2	25.0	4.8	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8747	0.9265	0.1000	132	125	5.9	30.0
Toluene	Ave	1.377	1.358	0.4000	24.7	25.0	-1.4	30.0
trans-1,3-Dichloropropene	Ave	0.8100	0.8644	0.1000	26.7	25.0	6.7	30.0
Ethyl methacrylate	Ave	0.7209	0.7873		27.3	25.0	9.2	30.0
1,1,2-Trichloroethane	Ave	0.4809	0.4930	0.1000	25.6	25.0	2.5	30.0
Tetrachloroethene	Ave	0.6654	0.6768	0.2000	25.4	25.0	1.7	30.0
1,3-Dichloropropane	Ave	0.8565	0.8764		25.6	25.0	2.3	30.0
2-Hexanone	Ave	0.6197	0.6603	0.1000	133	125	6.5	30.0
Dibromochloromethane	Ave	0.7172	0.7547	0.1000	26.3	25.0	5.2	30.0
1,2-Dibromoethane	Ave	0.6340	0.6718		26.5	25.0	6.0	30.0
Chlorobenzene	Ave	1.620	1.598	0.5000	24.7	25.0	-1.3	30.0
Ethylbenzene	Ave	2.486	2.524	0.1000	25.4	25.0	1.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6309	0.6507		25.8	25.0	3.1	30.0
m,p-Xylene	Ave	0.9647	0.9926	0.1000	25.7	25.0	2.9	30.0
o-Xylene	Ave	0.9449	1.000	0.3000	26.4	25.0	5.8	30.0
Styrene	Ave	1.571	1.648	0.3000	26.2	25.0	4.9	30.0
Bromoform	Ave	0.4928	0.5157	0.1000	26.2	25.0	4.6	50.0
Isopropylbenzene	Ave	2.011	2.171	0.1000	27.0	25.0	8.0	30.0
Bromobenzene	Ave	0.6782	0.6960		25.7	25.0	2.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7790	0.8007	0.3000	25.7	25.0	2.8	30.0
1,2,3-Trichloropropane	Ave	0.1975	0.2051		26.0	25.0	3.9	30.0
N-Propylbenzene	Ave	2.639	2.777		26.3	25.0	5.2	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.2216		23.7	25.0	-5.2	50.0
2-Chlorotoluene	Ave	0.5838	0.6103		26.1	25.0	4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.884	1.999		26.5	25.0	6.1	30.0
4-Chlorotoluene	Ave	0.6042	0.6138		25.4	25.0	1.6	30.0
tert-Butylbenzene	Ave	0.3607	0.3903		27.0	25.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	1.955	2.054		26.3	25.0	5.1	30.0
sec-Butylbenzene	Ave	2.454	2.600		26.5	25.0	5.9	30.0
4-Isopropyltoluene	Ave	2.110	2.277		27.0	25.0	7.9	30.0
1,3-Dichlorobenzene	Ave	1.286	1.284	0.6000	25.0	25.0	-0.1	30.0
1,4-Dichlorobenzene	Ave	1.346	1.316	0.5000	24.4	25.0	-2.2	30.0
n-Butylbenzene	Ave	1.919	2.083		27.1	25.0	8.6	30.0
1,2-Dichlorobenzene	Ave	1.278	1.296	0.4000	25.4	25.0	1.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-725605/34 Calibration Date: 09/19/2024 23:11

Instrument ID: HP5975D Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2024 01:02

Lab File ID: D6855.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1385	0.1495	0.0500	27.0	25.0	8.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9100	0.9720	0.2000	26.7	25.0	6.8	30.0
Hexachlorobutadiene	Ave	0.4706	0.4767		25.3	25.0	1.3	30.0
Naphthalene	Ave	2.165	2.379		27.5	25.0	9.8	30.0
1,2,3-Trichlorobenzene	Ave	0.8978	0.9171		25.5	25.0	2.1	30.0
Dibromofluoromethane (Surr)	Ave	1.607	1.593		24.8	25.0	-0.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.9116	0.8977		24.6	25.0	-1.5	30.0
Toluene-d8 (Surr)	Ave	2.413	2.428		25.2	25.0	0.6	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8381	0.8266		24.7	25.0	-1.4	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6855.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 19-Sep-2024 23:11:30 ALS Bottle#: 43 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0120124-034
Operator ID: LH Instrument ID: HP5975D
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 12:00:28 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: WLL8 Date: 20-Sep-2024 11:46:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	179361	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.102	-0.001	87	345229	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	378150	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	285798	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	161009	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	5.949	5.955	-0.006	94	838156	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	-0.001	95	285381	25.0	24.7	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	374775	25.0	26.0	
12 Chloromethane	50	1.279	1.280	-0.001	99	405248	25.0	25.3	
13 Vinyl chloride	62	1.359	1.359	0.000	98	257456	25.0	26.1	
144 Butadiene	54	1.371	1.377	-0.006	98	262465	25.0	26.8	
14 Bromomethane	94	1.639	1.645	-0.006	92	192160	25.0	25.7	
15 Chloroethane	64	1.694	1.700	-0.006	96	127845	25.0	25.8	
16 Dichlorofluoromethane	67	1.901	1.907	-0.006	98	407987	25.0	25.3	
17 Trichlorofluoromethane	101	1.913	1.914	-0.001	98	326402	25.0	25.2	
18 Ethyl ether	59	2.151	2.151	0.000	96	160218	25.0	25.2	
20 Acrolein	56	2.310	2.316	-0.006	99	129694	125.0	126.8	
22 1,1-Dichloroethene	96	2.352	2.359	-0.007	95	192417	25.0	26.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.359	-0.001	95	209550	25.0	25.4	
23 Acetone	43	2.456	2.462	-0.006	98	465659	125.0	122.7	
25 Iodomethane	142	2.499	2.517	-0.018	99	458366	25.0	25.6	
26 Carbon disulfide	76	2.529	2.548	-0.019	100	702239	25.0	26.1	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	90	426572	25.0	26.2	
27 Methyl acetate	43	2.730	2.737	-0.007	100	493788	50.0	51.3	
30 Methylene Chloride	84	2.822	2.822	0.000	96	237641	25.0	26.0	
31 2-Methyl-2-propanol	59	2.974	2.980	-0.006	98	313993	250.0	267.1	
32 Methyl tert-butyl ether	73	3.011	3.017	-0.006	99	600940	25.0	25.6	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	95	218712	25.0	25.9	
33 Acrylonitrile	53	3.066	3.072	-0.006	96	1103122	250.0	257.5	
35 Hexane	57	3.206	3.206	0.000	96	306290	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	97	439239	25.0	25.7	
37 Vinyl acetate	43	3.444	3.444	0.000	96	1185126	50.0	53.2	
44 2,2-Dichloropropane	77	3.846	3.846	0.000	94	224748	25.0	24.3	
45 cis-1,2-Dichloroethene	96	3.870	3.877	-0.007	84	245974	25.0	25.9	
43 2-Butanone (MEK)	43	3.901	3.901	0.000	97	766169	125.0	132.3	
48 Chlorobromomethane	128	4.072	4.072	0.000	95	141006	25.0	25.5	
49 Tetrahydrofuran	42	4.084	4.084	0.000	93	202425	50.0	48.6	
50 Chloroform	83	4.139	4.139	0.000	95	412538	25.0	24.0	
51 1,1,1-Trichloroethane	97	4.230	4.236	-0.006	98	332744	25.0	25.3	
52 Cyclohexane	56	4.242	4.242	0.000	96	394981	25.0	25.5	
55 Carbon tetrachloride	117	4.352	4.352	0.000	96	309207	25.0	24.9	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	93	287874	25.0	25.4	
57 Benzene	78	4.529	4.529	0.000	98	804370	25.0	25.1	
53 Isobutyl alcohol	43	4.535	4.535	0.000	94	368141	625.0	646.1	
58 1,2-Dichloroethane	62	4.578	4.584	-0.006	96	338878	25.0	24.5	
59 n-Heptane	43	4.675	4.675	0.000	97	342288	25.0	21.8	
62 Trichloroethene	95	5.023	5.029	-0.006	97	231047	25.0	25.2	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	312293	25.0	25.3	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	94	234310	25.0	25.3	
67 Dibromomethane	93	5.327	5.328	-0.001	97	171126	25.0	25.9	
66 1,4-Dioxane	88	5.327	5.328	-0.001	37	38585	500.0	488.2	
68 Dichlorobromomethane	83	5.443	5.449	-0.006	97	296601	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	161106	25.0	27.6	
72 cis-1,3-Dichloropropene	75	5.772	5.779	-0.007	93	340833	25.0	26.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	1599326	125.0	132.4	
74 Toluene	92	6.004	6.004	0.000	97	468752	25.0	24.7	
77 trans-1,3-Dichloropropene	75	6.218	6.218	0.000	96	298412	25.0	26.7	
75 Ethyl methacrylate	69	6.248	6.248	0.000	96	271789	25.0	27.3	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	92	170195	25.0	25.6	
81 Tetrachloroethene	166	6.419	6.419	0.000	97	233662	25.0	25.4	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	302549	25.0	25.6	
80 2-Hexanone	43	6.535	6.535	-0.001	99	1139738	125.0	133.2	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	260551	25.0	26.3	
84 Ethylene Dibromide	107	6.760	6.760	0.000	100	231912	25.0	26.5	
87 Chlorobenzene	112	7.126	7.126	0.000	99	551784	25.0	24.7	
88 Ethylbenzene	91	7.187	7.187	0.000	99	871286	25.0	25.4	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	97	224637	25.0	25.8	
90 m-Xylene & p-Xylene	106	7.278	7.278	0.000	99	342676	25.0	25.7	
91 o-Xylene	106	7.607	7.608	-0.001	96	345068	25.0	26.4	
92 Styrene	104	7.626	7.626	0.000	94	568935	25.0	26.2	
95 Bromoform	173	7.821	7.821	0.000	96	178024	25.0	26.2	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	821005	25.0	27.0	
101 Bromobenzene	156	8.181	8.181	0.000	90	263193	25.0	25.7	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	302790	25.0	25.7	
99 N-Propylbenzene	91	8.235	8.235	0.000	99	1049973	25.0	26.3	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	86	77575	25.0	26.0	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.242	-0.001	84	83810	25.0	23.7	
103 2-Chlorotoluene	126	8.321	8.327	-0.006	97	230788	25.0	26.1	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	755797	25.0	26.5	
105 4-Chlorotoluene	126	8.418	8.412	0.006	97	232093	25.0	25.4	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	147593	25.0	27.0	
107 1,2,4-Trimethylbenzene	105	8.687	8.687	0.000	97	776715	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	983190	25.0	26.5	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	98	861209	25.0	27.0	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	98	485485	25.0	25.0	
113 1,4-Dichlorobenzene	146	9.022	9.028	-0.006	96	497735	25.0	24.4	
115 n-Butylbenzene	91	9.290	9.290	0.000	99	787752	25.0	27.1	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	99	490226	25.0	25.4	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	87	56547	25.0	27.0	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	367571	25.0	26.7	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	180259	25.0	25.3	
121 Naphthalene	128	10.900	10.900	0.000	97	899512	25.0	27.5	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	346784	25.0	25.5	

QC Flag Legend

Processing Flags

Reagents:

SS GAS CORP_00594	Amount Added: 12.50	Units: uL	
SS 8260 CORP_00116	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00092	Amount Added: 1.00	Units: uL	Run Reagent

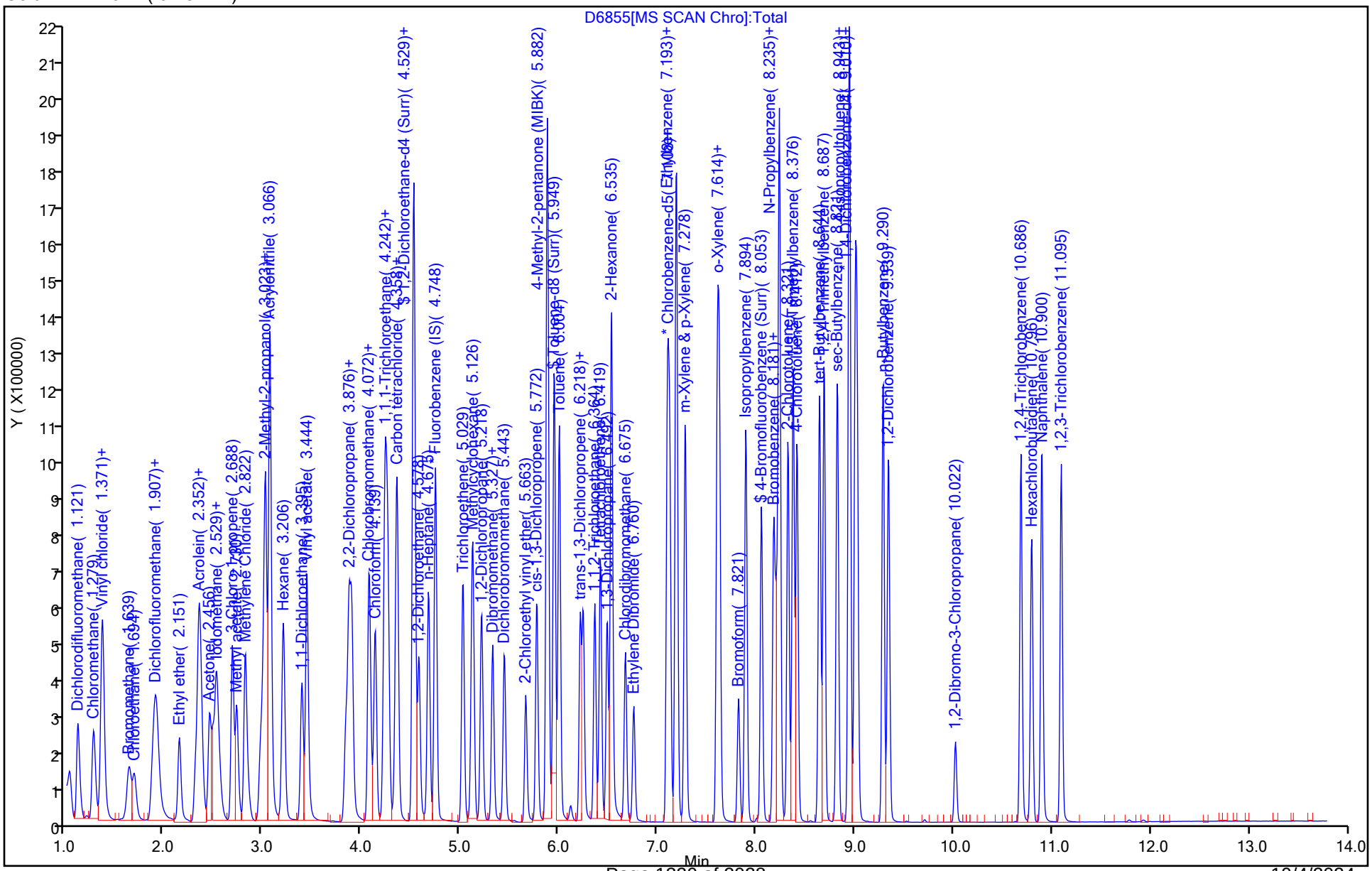
Report Date: 20-Sep-2024 12:00:45 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6855.d

Injection Date:	19-Sep-2024 23:11:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	34
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	43
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-725960/4 Calibration Date: 09/24/2024 10:16

Instrument ID: HP5975D Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2024 01:02

Lab File ID: D6923.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.011	0.9818	0.1000	12.2	25.0	-51.2*	50.0
Chloromethane	Ave	2.234	1.666	0.1000	18.6	25.0	-25.4*	20.0
Vinyl chloride	Ave	1.376	1.200	0.1000	21.8	25.0	-12.8	20.0
Butadiene	Ave	1.366	1.199		21.9	25.0	-12.2	20.0
Bromomethane	Ave	1.041	1.007	0.1000	24.2	25.0	-3.2	50.0
Chloroethane	Ave	0.6918	0.6935	0.1000	25.1	25.0	0.3	50.0
Dichlorofluoromethane	Ave	2.243	2.416		26.9	25.0	7.7	20.0
Trichlorofluoromethane	Ave	1.802	1.857	0.1000	25.8	25.0	3.0	20.0
Ethyl ether	Ave	0.8865	0.9484		26.7	25.0	7.0	20.0
Acrolein	Ave	0.1426	0.1520		133	125	6.6	50.0
1,1-Dichloroethene	Ave	1.030	1.178	0.1000	28.6	25.0	14.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.151	1.315	0.1000	28.5	25.0	14.2	20.0
Acetone	Ave	0.5291	0.5151	0.1000	122	125	-2.6	50.0
Iodomethane	Ave	2.496	2.649		26.5	25.0	6.1	20.0
Carbon disulfide	Ave	3.756	4.259	0.1000	28.3	25.0	13.4	20.0
Allyl chloride	Ave	2.273	2.637		29.0	25.0	16.0	20.0
Methyl acetate	Ave	1.341	1.342	0.1000	50.0	50.0	0.0	50.0
Methylene Chloride	Lin1		1.387	0.1000	27.3	25.0	9.0	20.0
2-Methyl-2-propanol	Ave	0.1639	0.1597		244	250	-2.5	50.0
Methyl tert-butyl ether	Ave	3.269	3.455	0.1000	26.4	25.0	5.7	20.0
trans-1,2-Dichloroethene	Ave	1.176	1.294	0.1000	27.5	25.0	10.0	20.0
Acrylonitrile	Ave	0.5971	0.6010		252	250	0.7	20.0
Hexane	Ave	1.775	2.002		28.2	25.0	12.8	20.0
1,1-Dichloroethane	Ave	2.387	2.546	0.2000	26.7	25.0	6.7	20.0
Vinyl acetate	Ave	3.106	3.512		56.5	50.0	13.1	20.0
2,2-Dichloropropane	Ave	1.287	1.418		27.5	25.0	10.2	20.0
cis-1,2-Dichloroethene	Ave	1.323	1.404	0.1000	26.5	25.0	6.1	20.0
2-Butanone (MEK)	Ave	0.8070	0.8000	0.1000	124	125	-0.9	20.0
Chlorobromomethane	Ave	0.7697	0.7862		25.5	25.0	2.1	20.0
Tetrahydrofuran	Ave	0.5811	0.5265		45.3	50.0	-9.4	20.0
Chloroform	Ave	2.392	2.328	0.2000	24.3	25.0	-2.7	20.0
1,1,1-Trichloroethane	Ave	1.835	1.948	0.1000	26.5	25.0	6.1	20.0
Cyclohexane	Ave	2.155	2.425	0.1000	28.1	25.0	12.5	20.0
Carbon tetrachloride	Ave	1.732	1.866	0.1000	26.9	25.0	7.7	20.0
1,1-Dichloropropene	Ave	1.583	1.694		26.8	25.0	7.1	20.0
Benzene	Ave	4.461	4.574	0.5000	25.6	25.0	2.5	20.0
Isobutyl alcohol	Ave	0.0794	0.0723		569	625	-9.0	50.0
1,2-Dichloroethane	Ave	1.931	1.828	0.1000	23.7	25.0	-5.3	20.0
n-Heptane	Ave	2.186	2.380		27.2	25.0	8.9	20.0
Trichloroethene	Ave	1.277	1.346	0.2000	26.3	25.0	5.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-725960/4 | Calibration Date: 09/24/2024 10:16

Instrument ID: HP5975D | Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/20/2024 01:02

Lab File ID: D6923.d | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.718	1.967	0.1000	28.6	25.0	14.5	20.0
1,2-Dichloropropane	Ave	1.289	1.398	0.1000	27.1	25.0	8.4	20.0
1,4-Dioxane	Lin1		0.0038		333	500	-33.3	50.0
Dibromomethane	Ave	0.9222	0.9601	0.1000	26.0	25.0	4.1	20.0
Bromodichloromethane	Ave	1.622	1.737	0.2000	26.8	25.0	7.1	20.0
2-Chloroethyl vinyl ether	Ave	0.8145	0.8901		27.3	25.0	9.3	20.0
cis-1,3-Dichloropropene	Ave	1.814	2.043	0.2000	28.2	25.0	12.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8747	0.8661	0.1000	124	125	-1.0	20.0
Toluene	Ave	1.377	1.432	0.4000	26.0	25.0	4.0	20.0
trans-1,3-Dichloropropene	Ave	0.8100	0.8961	0.1000	27.7	25.0	10.6	20.0
Ethyl methacrylate	Ave	0.7209	0.7388		25.6	25.0	2.5	20.0
1,1,2-Trichloroethane	Ave	0.4809	0.4819	0.1000	25.0	25.0	0.2	20.0
Tetrachloroethene	Ave	0.6654	0.6840	0.2000	25.7	25.0	2.8	20.0
1,3-Dichloropropane	Ave	0.8565	0.8617		25.2	25.0	0.6	20.0
2-Hexanone	Ave	0.6197	0.5632	0.1000	114	125	-9.1	20.0
Dibromochloromethane	Ave	0.7172	0.7541	0.1000	26.3	25.0	5.1	20.0
1,2-Dibromoethane	Ave	0.6340	0.6346		25.0	25.0	0.1	20.0
Chlorobenzene	Ave	1.620	1.621	0.5000	25.0	25.0	0.0	20.0
Ethylbenzene	Ave	2.486	2.584	0.1000	26.0	25.0	3.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6309	0.6552		26.0	25.0	3.9	20.0
m,p-Xylene	Ave	0.9647	1.006	0.1000	26.1	25.0	4.3	20.0
o-Xylene	Ave	0.9449	0.9928	0.3000	26.3	25.0	5.1	20.0
Styrene	Ave	1.571	1.616	0.3000	25.7	25.0	2.9	20.0
Bromoform	Ave	0.4928	0.4951	0.1000	25.1	25.0	0.5	50.0
Isopropylbenzene	Ave	2.011	2.349	0.1000	29.2	25.0	16.8	20.0
Bromobenzene	Ave	0.6782	0.7280		26.8	25.0	7.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7790	0.8012	0.3000	25.7	25.0	2.9	20.0
1,2,3-Trichloropropane	Ave	0.1975	0.2016		25.5	25.0	2.1	20.0
N-Propylbenzene	Ave	2.639	2.967		28.1	25.0	12.4	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2362		25.2	25.0	0.9	50.0
2-Chlorotoluene	Ave	0.5838	0.6455		27.6	25.0	10.6	20.0
1,3,5-Trimethylbenzene	Ave	1.884	2.103		27.9	25.0	11.6	20.0
4-Chlorotoluene	Ave	0.6042	0.6542		27.1	25.0	8.3	20.0
tert-Butylbenzene	Ave	0.3607	0.4100		28.4	25.0	13.7	20.0
1,2,4-Trimethylbenzene	Ave	1.955	2.139		27.3	25.0	9.4	20.0
sec-Butylbenzene	Ave	2.454	2.785		28.4	25.0	13.5	20.0
4-Isopropyltoluene	Ave	2.110	2.361		28.0	25.0	11.9	20.0
1,3-Dichlorobenzene	Ave	1.286	1.314	0.6000	25.5	25.0	2.2	20.0
1,4-Dichlorobenzene	Ave	1.346	1.333	0.5000	24.8	25.0	-1.0	20.0
n-Butylbenzene	Ave	1.919	2.159		28.1	25.0	12.5	20.0
1,2-Dichlorobenzene	Ave	1.278	1.325	0.4000	25.9	25.0	3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-725960/4 Calibration Date: 09/24/2024 10:16

Instrument ID: HP5975D Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2024 01:02

Lab File ID: D6923.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1385	0.1410	0.0500	25.4	25.0	1.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9100	0.9834	0.2000	27.0	25.0	8.1	20.0
Hexachlorobutadiene	Ave	0.4706	0.4807		25.5	25.0	2.1	20.0
Naphthalene	Ave	2.165	2.361		27.3	25.0	9.0	20.0
1,2,3-Trichlorobenzene	Ave	0.8978	0.9200		25.6	25.0	2.5	20.0
Dibromofluoromethane (Surr)	Ave	1.607	1.601		24.9	25.0	-0.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.9116	0.8781		24.1	25.0	-3.7	20.0
Toluene-d8 (Surr)	Ave	2.413	2.455		25.4	25.0	1.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8381	0.7861		23.5	25.0	-6.2	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6923.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Sep-2024 10:16:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0120181-004
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:10:58 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 09:10:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	180722	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.101	0.000	88	352895	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.003	9.003	0.000	95	356830	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	289310	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	158700	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	866462	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.052	8.052	0.000	94	277428	25.0	23.5	
10 Dichlorodifluoromethane	85	1.127	1.127	0.000	99	177429	25.0	12.2	
12 Chloromethane	50	1.285	1.285	0.000	99	301071	25.0	18.6	
13 Vinyl chloride	62	1.365	1.365	0.000	98	216816	25.0	21.8	
144 Butadiene	54	1.377	1.377	0.000	98	216737	25.0	21.9	
14 Bromomethane	94	1.645	1.645	0.000	91	182012	25.0	24.2	
15 Chloroethane	64	1.700	1.700	0.000	96	125336	25.0	25.1	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	98	436568	25.0	26.9	
17 Trichlorofluoromethane	101	1.919	1.919	0.000	98	335592	25.0	25.8	
18 Ethyl ether	59	2.151	2.151	0.000	96	171394	25.0	26.7	
20 Acrolein	56	2.316	2.316	0.000	99	137363	125.0	133.3	
22 1,1-Dichloroethene	96	2.352	2.352	0.000	94	212918	25.0	28.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.365	0.000	93	237567	25.0	28.5	
23 Acetone	43	2.456	2.456	0.000	97	465442	125.0	121.7	
25 Iodomethane	142	2.499	2.499	0.000	99	478693	25.0	26.5	
26 Carbon disulfide	76	2.535	2.535	0.000	100	769666	25.0	28.3	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	90	476550	25.0	29.0	
27 Methyl acetate	43	2.736	2.736	0.000	100	484999	50.0	50.0	
30 Methylene Chloride	84	2.822	2.822	0.000	96	250665	25.0	27.3	
31 2-Methyl-2-propanol	59	2.974	2.974	0.000	98	288679	250.0	243.7	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	624344	25.0	26.4	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	95	233785	25.0	27.5	
33 Acrylonitrile	53	3.072	3.072	0.000	97	1086120	250.0	251.6	
35 Hexane	57	3.206	3.206	0.000	96	361793	25.0	28.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	96	460073	25.0	26.7	
37 Vinyl acetate	43	3.444	3.444	0.000	96	1269467	50.0	56.5	
44 2,2-Dichloropropane	77	3.846	3.846	0.000	94	256322	25.0	27.5	
45 cis-1,2-Dichloroethene	96	3.876	3.876	0.000	89	253719	25.0	26.5	
43 2-Butanone (MEK)	43	3.901	3.901	0.000	97	722887	125.0	123.9	
48 Chlorobromomethane	128	4.071	4.071	0.000	96	142084	25.0	25.5	
49 Tetrahydrofuran	42	4.084	4.084	0.000	95	190283	50.0	45.3	
50 Chloroform	83	4.139	4.139	0.000	95	420747	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	99	351984	25.0	26.5	
52 Cyclohexane	56	4.242	4.242	0.000	96	438217	25.0	28.1	
55 Carbon tetrachloride	117	4.352	4.352	0.000	95	337221	25.0	26.9	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	93	306193	25.0	26.8	
57 Benzene	78	4.529	4.529	0.000	96	826533	25.0	25.6	
53 Isobutyl alcohol	43	4.535	4.535	0.000	94	326682	625.0	569.0	
58 1,2-Dichloroethane	62	4.584	4.584	0.000	96	330386	25.0	23.7	
59 n-Heptane	43	4.675	4.675	0.000	97	430095	25.0	27.2	
62 Trichloroethene	95	5.029	5.029	0.000	97	243213	25.0	26.3	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	355554	25.0	28.6	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	95	252663	25.0	27.1	
67 Dibromomethane	93	5.327	5.327	0.000	97	173517	25.0	26.0	
66 1,4-Dioxane	88	5.327	5.327	0.000	34	26535	500.0	333.4	
68 Dichlorobromomethane	83	5.449	5.449	0.000	98	313987	25.0	26.8	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	160865	25.0	27.3	
72 cis-1,3-Dichloropropene	75	5.778	5.778	0.000	93	369230	25.0	28.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	1528256	125.0	123.8	
74 Toluene	92	6.004	6.004	0.000	98	505343	25.0	26.0	
77 trans-1,3-Dichloropropene	75	6.217	6.217	0.000	96	316221	25.0	27.7	
75 Ethyl methacrylate	69	6.248	6.248	0.000	97	260718	25.0	25.6	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	92	170045	25.0	25.0	
81 Tetrachloroethene	166	6.419	6.419	0.000	97	241396	25.0	25.7	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	304077	25.0	25.2	
80 2-Hexanone	43	6.534	6.534	0.000	99	993805	125.0	113.6	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	266134	25.0	26.3	
84 Ethylene Dibromide	107	6.760	6.760	0.000	99	223958	25.0	25.0	
87 Chlorobenzene	112	7.126	7.126	0.000	97	571910	25.0	25.0	
88 Ethylbenzene	91	7.187	7.187	0.000	99	911906	25.0	26.0	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	96	231232	25.0	26.0	
90 m-Xylene & p-Xylene	106	7.284	7.284	0.000	99	355102	25.0	26.1	
91 o-Xylene	106	7.607	7.607	0.000	97	350339	25.0	26.3	
92 Styrene	104	7.626	7.626	0.000	94	570421	25.0	25.7	
95 Bromoform	173	7.821	7.821	0.000	96	174711	25.0	25.1	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	838091	25.0	29.2	
101 Bromobenzene	156	8.180	8.180	0.000	91	259785	25.0	26.8	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	285885	25.0	25.7	
99 N-Propylbenzene	91	8.235	8.235	0.000	99	1058850	25.0	28.1	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	84	71933	25.0	25.5	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	85	84298	25.0	25.2	
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	230351	25.0	27.6	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	750562	25.0	27.9	
105 4-Chlorotoluene	126	8.412	8.412	0.000	96	233437	25.0	27.1	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	146303	25.0	28.4	
107 1,2,4-Trimethylbenzene	105	8.686	8.686	0.000	95	763206	25.0	27.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	993614	25.0	28.4	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	97	842547	25.0	28.0	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	98	468716	25.0	25.5	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	96	475767	25.0	24.8	
115 n-Butylbenzene	91	9.290	9.290	0.000	99	770253	25.0	28.1	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	98	472751	25.0	25.9	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	86	50300	25.0	25.4	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	95	350901	25.0	27.0	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	171543	25.0	25.5	
121 Naphthalene	128	10.899	10.899	0.000	97	842345	25.0	27.3	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	328287	25.0	25.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added: 12.50	Units: uL	
GAS CORP mix_00641	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00092	Amount Added: 1.00	Units: uL	Run Reagent

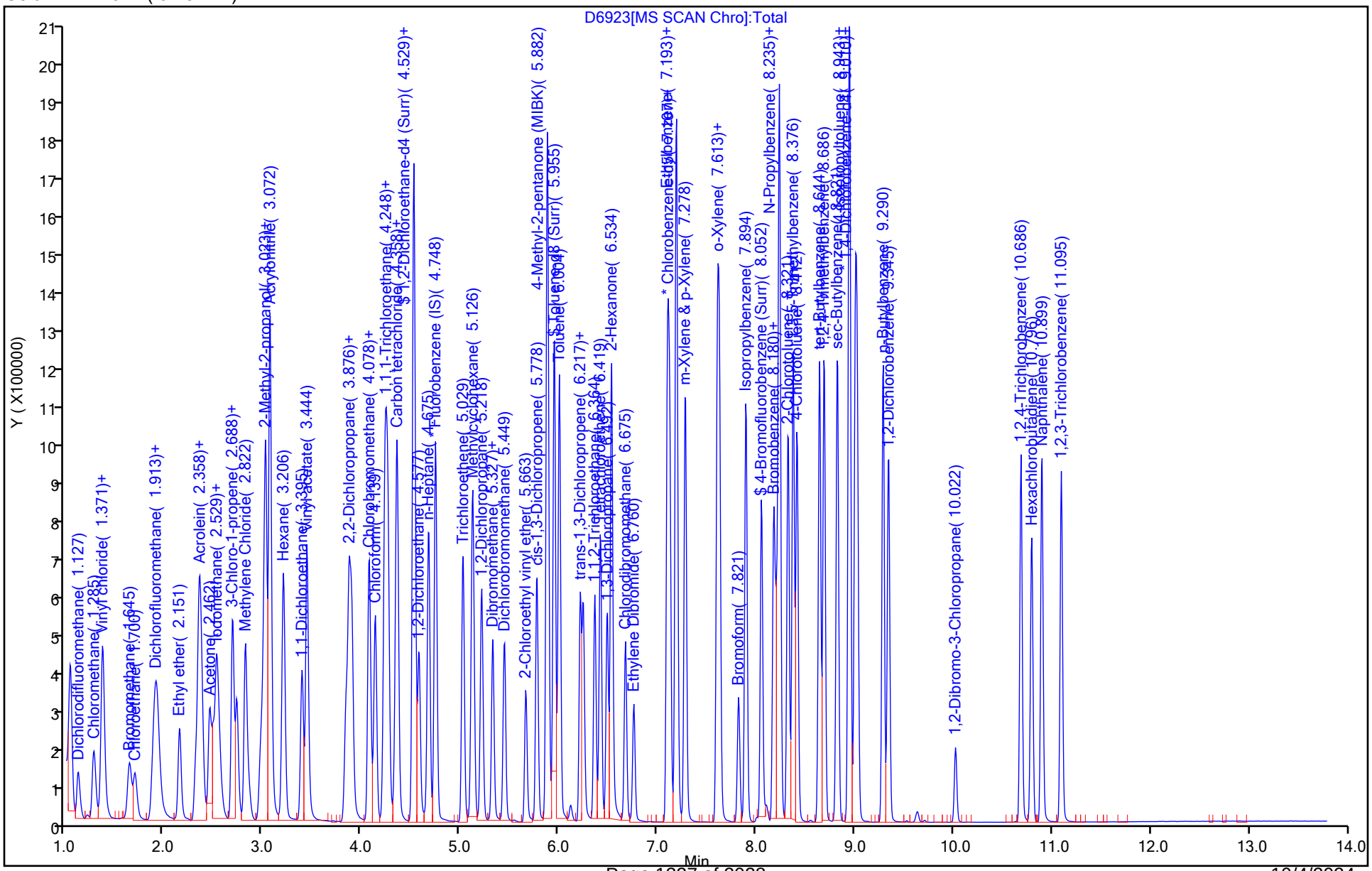
Report Date: 25-Sep-2024 09:11:00 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6923.d

Injection Date:	24-Sep-2024 10:16:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726185/4 Calibration Date: 09/25/2024 23:01

Instrument ID: HP5975D Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2024 01:02

Lab File ID: D6984.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.011	1.821	0.1000	22.6	25.0	-9.5	50.0
Chloromethane	Ave	2.234	2.078	0.1000	23.3	25.0	-7.0	20.0
Vinyl chloride	Ave	1.376	1.323	0.1000	24.1	25.0	-3.8	20.0
Butadiene	Ave	1.366	1.381		25.3	25.0	1.1	20.0
Bromomethane	Ave	1.041	0.9665	0.1000	23.2	25.0	-7.1	50.0
Chloroethane	Ave	0.6918	0.6726	0.1000	24.3	25.0	-2.8	50.0
Dichlorofluoromethane	Ave	2.243	2.141		23.9	25.0	-4.5	20.0
Trichlorofluoromethane	Ave	1.802	1.782	0.1000	24.7	25.0	-1.1	20.0
Ethyl ether	Ave	0.8865	0.8939		25.2	25.0	0.8	20.0
Acrolein	Ave	0.1426	0.1495		131	125	4.9	50.0
1,1-Dichloroethene	Ave	1.030	1.026	0.1000	24.9	25.0	-0.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.151	1.137	0.1000	24.7	25.0	-1.2	20.0
Acetone	Ave	0.5291	0.5360	0.1000	127	125	1.3	50.0
Iodomethane	Ave	2.496	2.381		23.8	25.0	-4.6	20.0
Carbon disulfide	Ave	3.756	3.674	0.1000	24.5	25.0	-2.2	20.0
Allyl chloride	Ave	2.273	2.289		25.2	25.0	0.7	20.0
Methyl acetate	Ave	1.341	1.410	0.1000	52.6	50.0	5.1	50.0
Methylene Chloride	Lin1		1.263	0.1000	24.8	25.0	-1.0	20.0
2-Methyl-2-propanol	Ave	0.1639	0.1630		249	250	-0.5	50.0
Methyl tert-butyl ether	Ave	3.269	3.275	0.1000	25.0	25.0	0.2	20.0
trans-1,2-Dichloroethene	Ave	1.176	1.157	0.1000	24.6	25.0	-1.6	20.0
Acrylonitrile	Ave	0.5971	0.6287		263	250	5.3	20.0
Hexane	Ave	1.775	1.627		22.9	25.0	-8.3	20.0
1,1-Dichloroethane	Ave	2.387	2.287	0.2000	24.0	25.0	-4.2	20.0
Vinyl acetate	Ave	3.106	3.132		50.4	50.0	0.9	20.0
2,2-Dichloropropane	Ave	1.287	1.213		23.6	25.0	-5.8	20.0
cis-1,2-Dichloroethene	Ave	1.323	1.273	0.1000	24.1	25.0	-3.8	20.0
2-Butanone (MEK)	Ave	0.8070	0.8625	0.1000	134	125	6.9	20.0
Chlorobromomethane	Ave	0.7697	0.7694		25.0	25.0	-0.0	20.0
Tetrahydrofuran	Ave	0.5811	0.5683		48.9	50.0	-2.2	20.0
Chloroform	Ave	2.392	2.186	0.2000	22.9	25.0	-8.6	20.0
1,1,1-Trichloroethane	Ave	1.835	1.732	0.1000	23.6	25.0	-5.6	20.0
Cyclohexane	Ave	2.155	2.074	0.1000	24.1	25.0	-3.8	20.0
Carbon tetrachloride	Ave	1.732	1.640	0.1000	23.7	25.0	-5.3	20.0
1,1-Dichloropropene	Ave	1.583	1.473		23.3	25.0	-6.9	20.0
Benzene	Ave	4.461	4.186	0.5000	23.5	25.0	-6.2	20.0
Isobutyl alcohol	Ave	0.0794	0.0789		621	625	-0.6	50.0
1,2-Dichloroethane	Ave	1.931	1.814	0.1000	23.5	25.0	-6.1	20.0
n-Heptane	Ave	2.186	1.912		21.9	25.0	-12.6	20.0
Trichloroethene	Ave	1.277	1.210	0.2000	23.7	25.0	-5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726185/4 Calibration Date: 09/25/2024 23:01

Instrument ID: HP5975D Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2024 01:02

Lab File ID: D6984.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.718	1.660	0.1000	24.1	25.0	-3.4	20.0
1,2-Dichloropropane	Ave	1.289	1.274	0.1000	24.7	25.0	-1.2	20.0
1,4-Dioxane	Lin1		0.0041		365	500	-27.0	50.0
Dibromomethane	Ave	0.9222	0.9419	0.1000	25.5	25.0	2.1	20.0
Bromodichloromethane	Ave	1.622	1.603	0.2000	24.7	25.0	-1.2	20.0
2-Chloroethyl vinyl ether	Ave	0.8145	0.8903		27.3	25.0	9.3	20.0
cis-1,3-Dichloropropene	Ave	1.814	1.847	0.2000	25.5	25.0	1.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8747	0.9556	0.1000	137	125	9.2	20.0
Toluene	Ave	1.377	1.322	0.4000	24.0	25.0	-4.0	20.0
trans-1,3-Dichloropropene	Ave	0.8100	0.8646	0.1000	26.7	25.0	6.7	20.0
Ethyl methacrylate	Ave	0.7209	0.7885		27.3	25.0	9.4	20.0
1,1,2-Trichloroethane	Ave	0.4809	0.4939	0.1000	25.7	25.0	2.7	20.0
Tetrachloroethene	Ave	0.6654	0.6314	0.2000	23.7	25.0	-5.1	20.0
1,3-Dichloropropane	Ave	0.8565	0.8714		25.4	25.0	1.7	20.0
2-Hexanone	Ave	0.6197	0.6738	0.1000	136	125	8.7	20.0
Dibromochloromethane	Ave	0.7172	0.7453	0.1000	26.0	25.0	3.9	20.0
1,2-Dibromoethane	Ave	0.6340	0.6530		25.7	25.0	3.0	20.0
Chlorobenzene	Ave	1.620	1.550	0.5000	23.9	25.0	-4.3	20.0
Ethylbenzene	Ave	2.486	2.370	0.1000	23.8	25.0	-4.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6309	0.6189		24.5	25.0	-1.9	20.0
m,p-Xylene	Ave	0.9647	0.9362	0.1000	24.3	25.0	-3.0	20.0
o-Xylene	Ave	0.9449	0.9489	0.3000	25.1	25.0	0.4	20.0
Styrene	Ave	1.571	1.573	0.3000	25.0	25.0	0.1	20.0
Bromoform	Ave	0.4928	0.5130	0.1000	26.0	25.0	4.1	50.0
Isopropylbenzene	Ave	2.011	2.015	0.1000	25.1	25.0	0.2	20.0
Bromobenzene	Ave	0.6782	0.6504		24.0	25.0	-4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7790	0.7857	0.3000	25.2	25.0	0.9	20.0
1,2,3-Trichloropropane	Ave	0.1975	0.2032		25.7	25.0	2.9	20.0
N-Propylbenzene	Ave	2.639	2.575		24.4	25.0	-2.4	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2309		24.7	25.0	-1.3	50.0
2-Chlorotoluene	Ave	0.5838	0.5709		24.4	25.0	-2.2	20.0
1,3,5-Trimethylbenzene	Ave	1.884	1.851		24.6	25.0	-1.8	20.0
4-Chlorotoluene	Ave	0.6042	0.5798		24.0	25.0	-4.0	20.0
tert-Butylbenzene	Ave	0.3607	0.3548		24.6	25.0	-1.7	20.0
1,2,4-Trimethylbenzene	Ave	1.955	1.921		24.6	25.0	-1.8	20.0
sec-Butylbenzene	Ave	2.454	2.392		24.4	25.0	-2.6	20.0
4-Isopropyltoluene	Ave	2.110	2.067		24.5	25.0	-2.0	20.0
1,3-Dichlorobenzene	Ave	1.286	1.199	0.6000	23.3	25.0	-6.7	20.0
1,4-Dichlorobenzene	Ave	1.346	1.279	0.5000	23.7	25.0	-5.0	20.0
n-Butylbenzene	Ave	1.919	1.928		25.1	25.0	0.5	20.0
1,2-Dichlorobenzene	Ave	1.278	1.254	0.4000	24.5	25.0	-1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726185/4 Calibration Date: 09/25/2024 23:01

Instrument ID: HP5975D Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2024 01:02

Lab File ID: D6984.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1385	0.1495	0.0500	27.0	25.0	8.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9100	0.9156	0.2000	25.2	25.0	0.6	20.0
Hexachlorobutadiene	Ave	0.4706	0.4332		23.0	25.0	-7.9	20.0
Naphthalene	Ave	2.165	2.343		27.0	25.0	8.2	20.0
1,2,3-Trichlorobenzene	Ave	0.8978	0.8783		24.5	25.0	-2.2	20.0
Dibromofluoromethane (Surr)	Ave	1.607	1.576		24.5	25.0	-1.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.9116	0.8841		24.2	25.0	-3.0	20.0
Toluene-d8 (Surr)	Ave	2.413	2.443		25.3	25.0	1.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8381	0.7989		23.8	25.0	-4.7	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6984.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Sep-2024 23:01:30 ALS Bottle#: 36 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0120223-004
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 11:54:50 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 11:54:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	172602	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.102	0.000	88	331856	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	97	363571	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	272096	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	98	152598	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	5.949	5.949	0.000	94	810692	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.000	94	265105	25.0	23.8	
10 Dichlorodifluoromethane	85	1.127	1.127	0.000	99	314344	25.0	22.6	
12 Chloromethane	50	1.280	1.280	0.000	99	358683	25.0	23.3	
13 Vinyl chloride	62	1.365	1.365	0.000	98	228429	25.0	24.1	
144 Butadiene	54	1.377	1.377	0.000	99	238344	25.0	25.3	
14 Bromomethane	94	1.639	1.639	0.000	92	166817	25.0	23.2	
15 Chloroethane	64	1.700	1.700	0.000	96	116084	25.0	24.3	
16 Dichlorofluoromethane	67	1.901	1.901	0.000	98	369615	25.0	23.9	
17 Trichlorofluoromethane	101	1.914	1.914	0.000	97	307568	25.0	24.7	
18 Ethyl ether	59	2.151	2.151	0.000	96	154297	25.0	25.2	
20 Acrolein	56	2.316	2.316	0.000	98	129029	125.0	131.1	
22 1,1-Dichloroethene	96	2.353	2.353	0.000	94	177086	25.0	24.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.359	0.000	94	196223	25.0	24.7	
23 Acetone	43	2.456	2.456	0.000	98	462604	125.0	126.6	
25 Iodomethane	142	2.499	2.499	0.000	99	410919	25.0	23.8	
26 Carbon disulfide	76	2.535	2.535	0.000	100	634138	25.0	24.5	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	395133	25.0	25.2	
27 Methyl acetate	43	2.737	2.737	0.000	100	486707	50.0	52.6	
30 Methylene Chloride	84	2.822	2.822	0.000	95	218054	25.0	24.8	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	98	281391	250.0	248.7	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	565331	25.0	25.0	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	95	199622	25.0	24.6	
33 Acrylonitrile	53	3.072	3.072	0.000	97	1085102	250.0	263.2	
35 Hexane	57	3.206	3.206	0.000	96	280834	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.395	3.395	0.000	97	394668	25.0	24.0	
37 Vinyl acetate	43	3.444	3.444	0.000	96	1081213	50.0	50.4	
44 2,2-Dichloropropane	77	3.840	3.840	0.000	95	209384	25.0	23.6	
45 cis-1,2-Dichloroethene	96	3.877	3.877	0.000	85	219781	25.0	24.1	
43 2-Butanone (MEK)	43	3.901	3.901	0.000	97	744365	125.0	133.6	
48 Chlorobromomethane	128	4.072	4.072	0.000	95	132793	25.0	25.0	
49 Tetrahydrofuran	42	4.084	4.084	0.000	93	196173	50.0	48.9	
50 Chloroform	83	4.139	4.139	0.000	95	377314	25.0	22.9	
51 1,1,1-Trichloroethane	97	4.230	4.230	0.000	98	298957	25.0	23.6	
52 Cyclohexane	56	4.242	4.242	0.000	97	357930	25.0	24.1	
55 Carbon tetrachloride	117	4.352	4.352	0.000	97	283004	25.0	23.7	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	93	254313	25.0	23.3	
57 Benzene	78	4.529	4.529	0.000	98	722467	25.0	23.5	
53 Isobutyl alcohol	43	4.535	4.535	0.000	95	340620	625.0	621.2	
58 1,2-Dichloroethane	62	4.578	4.578	0.000	96	313119	25.0	23.5	
59 n-Heptane	43	4.675	4.675	0.000	97	329935	25.0	21.9	
62 Trichloroethene	95	5.023	5.023	0.000	97	208773	25.0	23.7	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	286461	25.0	24.1	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	95	219855	25.0	24.7	
67 Dibromomethane	93	5.328	5.328	0.000	96	162574	25.0	25.5	
66 1,4-Dioxane	88	5.328	5.328	0.000	97	27418	500.0	364.9	
68 Dichlorobromomethane	83	5.443	5.443	0.000	97	276665	25.0	24.7	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	153675	25.0	27.3	
72 cis-1,3-Dichloropropene	75	5.773	5.773	0.000	92	318775	25.0	25.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	1585527	125.0	136.6	
74 Toluene	92	6.004	6.004	0.000	98	438806	25.0	24.0	
77 trans-1,3-Dichloropropene	75	6.218	6.218	0.000	97	286916	25.0	26.7	
75 Ethyl methacrylate	69	6.248	6.248	0.000	96	261679	25.0	27.3	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	92	163910	25.0	25.7	
81 Tetrachloroethene	166	6.419	6.419	0.000	97	209536	25.0	23.7	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	289193	25.0	25.4	
80 2-Hexanone	43	6.535	6.535	0.000	99	1117951	125.0	135.9	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	247336	25.0	26.0	
84 Ethylene Dibromide	107	6.760	6.760	0.000	100	216693	25.0	25.7	
87 Chlorobenzene	112	7.120	7.120	0.000	98	514242	25.0	23.9	
88 Ethylbenzene	91	7.187	7.187	0.000	99	786565	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	96	205385	25.0	24.5	
90 m-Xylene & p-Xylene	106	7.278	7.278	0.000	98	310684	25.0	24.3	
91 o-Xylene	106	7.608	7.608	0.000	97	314886	25.0	25.1	
92 Styrene	104	7.626	7.626	0.000	93	521851	25.0	25.0	
95 Bromoform	173	7.821	7.821	0.000	96	170258	25.0	26.0	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	732692	25.0	25.1	
101 Bromobenzene	156	8.181	8.181	0.000	91	236462	25.0	24.0	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	285664	25.0	25.2	
99 N-Propylbenzene	91	8.236	8.236	0.000	99	936348	25.0	24.4	
100 1,2,3-Trichloropropane	110	8.236	8.236	0.000	85	73893	25.0	25.7	
98 trans-1,4-Dichloro-2-butene	53	8.242	8.242	0.000	86	83962	25.0	24.7	
103 2-Chlorotoluene	126	8.321	8.321	0.000	97	207557	25.0	24.4	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	672882	25.0	24.6	
105 4-Chlorotoluene	126	8.412	8.412	0.000	97	210794	25.0	24.0	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	128977	25.0	24.6	
107 1,2,4-Trimethylbenzene	105	8.687	8.687	0.000	97	698387	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	869516	25.0	24.4	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	98	751551	25.0	24.5	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	99	435942	25.0	23.3	
113 1,4-Dichlorobenzene	146	9.022	9.022	0.000	96	464937	25.0	23.7	
115 n-Butylbenzene	91	9.290	9.290	0.000	98	700987	25.0	25.1	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	99	455778	25.0	24.5	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	87	54372	25.0	27.0	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	332884	25.0	25.2	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	157508	25.0	23.0	
121 Naphthalene	128	10.900	10.900	0.000	97	851680	25.0	27.0	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	319335	25.0	24.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00257	Amount Added: 12.50	Units: uL	
GAS CORP mix_00642	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00089	Amount Added: 1.00	Units: uL	Run Reagent

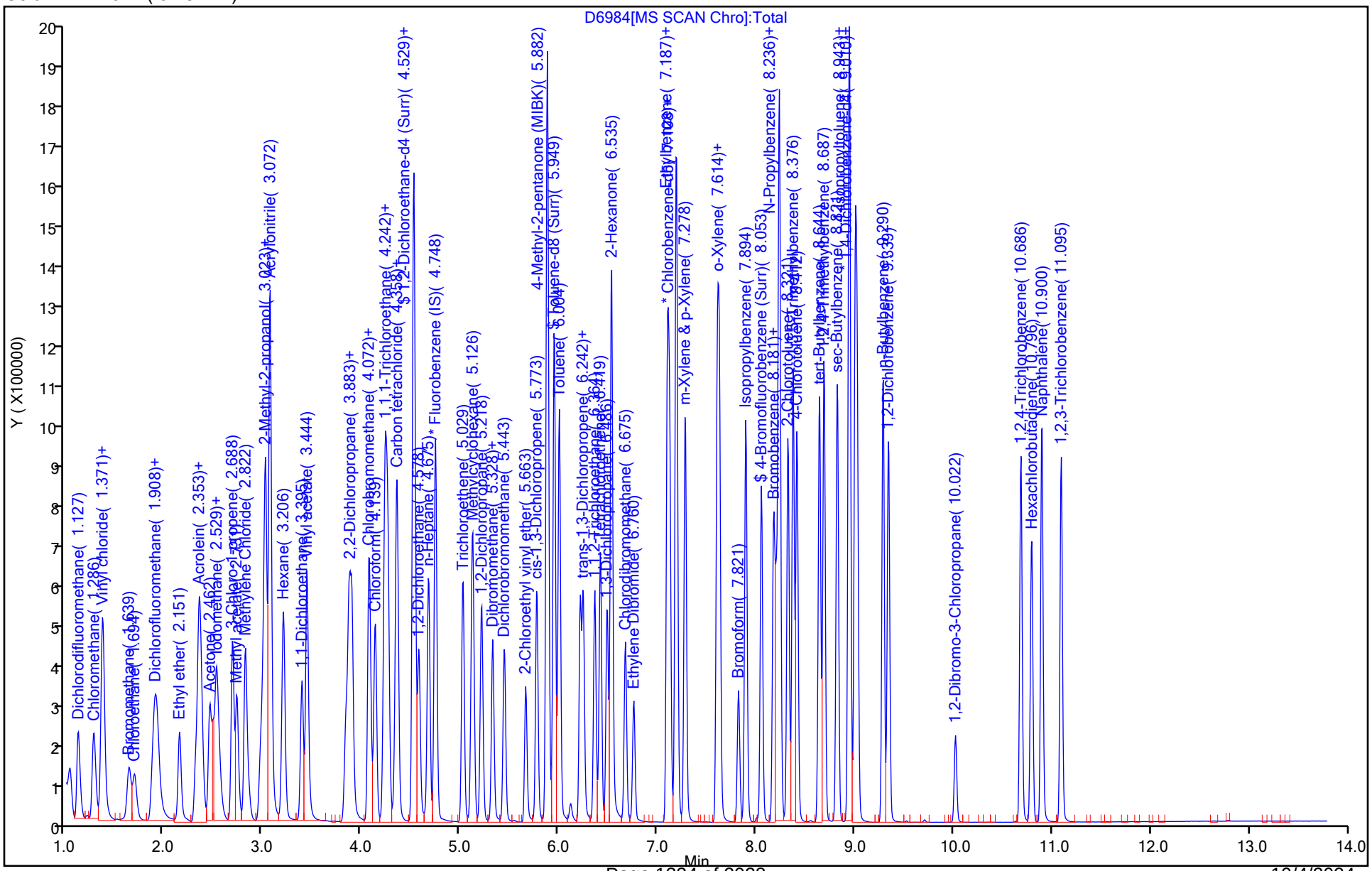
Report Date: 26-Sep-2024 11:54:52 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6984.d

Injection Date:	25-Sep-2024 23:01:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	36
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726382/4 | Calibration Date: 09/27/2024 10:33

Instrument ID: HP5975D | Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/20/2024 01:02

Lab File ID: D7040.d | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.011	1.561	0.1000	19.4	25.0	-22.4	50.0
Chloromethane	Ave	2.234	1.992	0.1000	22.3	25.0	-10.9	20.0
Vinyl chloride	Ave	1.376	1.315	0.1000	23.9	25.0	-4.4	20.0
Butadiene	Ave	1.366	1.315		24.1	25.0	-3.7	20.0
Bromomethane	Ave	1.041	0.8937	0.1000	21.5	25.0	-14.1	50.0
Chloroethane	Ave	0.6918	0.6538	0.1000	23.6	25.0	-5.5	50.0
Dichlorofluoromethane	Ave	2.243	2.144		23.9	25.0	-4.4	20.0
Trichlorofluoromethane	Ave	1.802	1.798	0.1000	24.9	25.0	-0.2	20.0
Ethyl ether	Ave	0.8865	0.8538		24.1	25.0	-3.7	20.0
Acrolein	Ave	0.1426	0.1458		128	125	2.2	50.0
1,1-Dichloroethene	Ave	1.030	1.040	0.1000	25.2	25.0	0.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.151	1.173	0.1000	25.5	25.0	1.9	20.0
Acetone	Ave	0.5291	0.5019	0.1000	119	125	-5.1	50.0
Iodomethane	Ave	2.496	2.368		23.7	25.0	-5.2	20.0
Carbon disulfide	Ave	3.756	3.705	0.1000	24.7	25.0	-1.3	20.0
Allyl chloride	Ave	2.273	2.367		26.0	25.0	4.1	20.0
Methyl acetate	Ave	1.341	1.299	0.1000	48.4	50.0	-3.1	50.0
Methylene Chloride	Lin1		1.246	0.1000	24.4	25.0	-2.4	20.0
2-Methyl-2-propanol	Ave	0.1639	0.1675		256	250	2.2	50.0
Methyl tert-butyl ether	Ave	3.269	3.103	0.1000	23.7	25.0	-5.1	20.0
trans-1,2-Dichloroethene	Ave	1.176	1.163	0.1000	24.7	25.0	-1.1	20.0
Acrylonitrile	Ave	0.5971	0.5686		238	250	-4.8	20.0
Hexane	Ave	1.775	1.778		25.0	25.0	0.1	20.0
1,1-Dichloroethane	Ave	2.387	2.330	0.2000	24.4	25.0	-2.4	20.0
Vinyl acetate	Ave	3.106	3.301		53.1	50.0	6.3	20.0
2,2-Dichloropropane	Ave	1.287	1.267		24.6	25.0	-1.6	20.0
cis-1,2-Dichloroethene	Ave	1.323	1.267	0.1000	23.9	25.0	-4.2	20.0
2-Butanone (MEK)	Ave	0.8070	0.7994	0.1000	124	125	-1.0	20.0
Chlorobromomethane	Ave	0.7697	0.7334		23.8	25.0	-4.7	20.0
Tetrahydrofuran	Ave	0.5811	0.5341		45.9	50.0	-8.1	20.0
Chloroform	Ave	2.392	2.180	0.2000	22.8	25.0	-8.8	20.0
1,1,1-Trichloroethane	Ave	1.835	1.767	0.1000	24.1	25.0	-3.7	20.0
Cyclohexane	Ave	2.155	2.165	0.1000	25.1	25.0	0.5	20.0
Carbon tetrachloride	Ave	1.732	1.703	0.1000	24.6	25.0	-1.6	20.0
1,1-Dichloropropene	Ave	1.583	1.551		24.5	25.0	-2.0	20.0
Benzene	Ave	4.461	4.246	0.5000	23.8	25.0	-4.8	20.0
Isobutyl alcohol	Ave	0.0794	0.0812		639	625	2.2	50.0
1,2-Dichloroethane	Ave	1.931	1.783	0.1000	23.1	25.0	-7.7	20.0
n-Heptane	Ave	2.186	2.170		24.8	25.0	-0.7	20.0
Trichloroethene	Ave	1.277	1.229	0.2000	24.1	25.0	-3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726382/4 | Calibration Date: 09/27/2024 10:33

Instrument ID: HP5975D | Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/20/2024 01:02

Lab File ID: D7040.d | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.718	1.770	0.1000	25.8	25.0	3.0	20.0
1,2-Dichloropropane	Ave	1.289	1.303	0.1000	25.3	25.0	1.0	20.0
Dibromomethane	Ave	0.9222	0.9155	0.1000	24.8	25.0	-0.7	20.0
1,4-Dioxane	Lin1		0.0060		526	500	5.1	50.0
Bromodichloromethane	Ave	1.622	1.594	0.2000	24.6	25.0	-1.7	20.0
2-Chloroethyl vinyl ether	Ave	0.8145	0.8557		26.3	25.0	5.1	20.0
cis-1,3-Dichloropropene	Ave	1.814	1.871	0.2000	25.8	25.0	3.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8747	0.8602	0.1000	123	125	-1.7	20.0
Toluene	Ave	1.377	1.308	0.4000	23.7	25.0	-5.0	20.0
trans-1,3-Dichloropropene	Ave	0.8100	0.8469	0.1000	26.1	25.0	4.6	20.0
Ethyl methacrylate	Ave	0.7209	0.7375		25.6	25.0	2.3	20.0
1,1,2-Trichloroethane	Ave	0.4809	0.4588	0.1000	23.9	25.0	-4.6	20.0
Tetrachloroethene	Ave	0.6654	0.6248	0.2000	23.5	25.0	-6.1	20.0
1,3-Dichloropropane	Ave	0.8565	0.8304		24.2	25.0	-3.1	20.0
2-Hexanone	Ave	0.6197	0.6129	0.1000	124	125	-1.1	20.0
Dibromochloromethane	Ave	0.7172	0.7180	0.1000	25.0	25.0	0.1	20.0
1,2-Dibromoethane	Ave	0.6340	0.6291		24.8	25.0	-0.8	20.0
Chlorobenzene	Ave	1.620	1.541	0.5000	23.8	25.0	-4.9	20.0
Ethylbenzene	Ave	2.486	2.423	0.1000	24.4	25.0	-2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6309	0.6148		24.4	25.0	-2.5	20.0
m,p-Xylene	Ave	0.9647	0.9292	0.1000	24.1	25.0	-3.7	20.0
o-Xylene	Ave	0.9449	0.9331	0.3000	24.7	25.0	-1.2	20.0
Styrene	Ave	1.571	1.572	0.3000	25.0	25.0	0.0	20.0
Bromoform	Ave	0.4928	0.4772	0.1000	24.2	25.0	-3.2	50.0
Isopropylbenzene	Ave	2.011	2.058	0.1000	25.6	25.0	2.4	20.0
Bromobenzene	Ave	0.6782	0.6692		24.7	25.0	-1.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7790	0.7613	0.3000	24.4	25.0	-2.3	20.0
N-Propylbenzene	Ave	2.639	2.712		25.7	25.0	2.8	20.0
1,2,3-Trichloropropane	Ave	0.1975	0.1947		24.6	25.0	-1.4	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2430		25.9	25.0	3.7	50.0
2-Chlorotoluene	Ave	0.5838	0.5880		25.2	25.0	0.7	20.0
1,3,5-Trimethylbenzene	Ave	1.884	1.916		25.4	25.0	1.7	20.0
4-Chlorotoluene	Ave	0.6042	0.6093		25.2	25.0	0.8	20.0
tert-Butylbenzene	Ave	0.3607	0.3754		26.0	25.0	4.1	20.0
1,2,4-Trimethylbenzene	Ave	1.955	2.001		25.6	25.0	2.4	20.0
sec-Butylbenzene	Ave	2.454	2.513		25.6	25.0	2.4	20.0
4-Isopropyltoluene	Ave	2.110	2.168		25.7	25.0	2.7	20.0
1,3-Dichlorobenzene	Ave	1.286	1.231	0.6000	23.9	25.0	-4.3	20.0
1,4-Dichlorobenzene	Ave	1.346	1.273	0.5000	23.6	25.0	-5.5	20.0
n-Butylbenzene	Ave	1.919	1.995		26.0	25.0	4.0	20.0
1,2-Dichlorobenzene	Ave	1.278	1.210	0.4000	23.7	25.0	-5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726382/4 Calibration Date: 09/27/2024 10:33

Instrument ID: HP5975D Calib Start Date: 09/19/2024 16:33

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2024 01:02

Lab File ID: D7040.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1385	0.1371	0.0500	24.7	25.0	-1.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9100	0.8974	0.2000	24.7	25.0	-1.4	20.0
Hexachlorobutadiene	Ave	0.4706	0.4423		23.5	25.0	-6.0	20.0
Naphthalene	Ave	2.165	2.105		24.3	25.0	-2.8	20.0
1,2,3-Trichlorobenzene	Ave	0.8978	0.8461		23.6	25.0	-5.8	20.0
Dibromofluoromethane (Surr)	Ave	1.607	1.544		24.0	25.0	-4.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.9116	0.8769		24.0	25.0	-3.8	20.0
Toluene-d8 (Surr)	Ave	2.413	2.367		24.5	25.0	-1.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8381	0.8024		23.9	25.0	-4.2	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7040.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Sep-2024 10:33:30 ALS Bottle#: 32 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0120250-004
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 14:41:52 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 14:41:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.742	4.742	0.000	98	173967	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.096	7.096	0.000	87	343584	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	365956	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.261	4.261	0.000	93	268530	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.517	4.517	0.000	100	152547	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	5.949	5.949	0.000	94	813328	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.053	0.000	94	275705	25.0	23.9	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	271641	25.0	19.4	
12 Chloromethane	50	1.280	1.280	0.000	99	346462	25.0	22.3	
13 Vinyl chloride	62	1.353	1.353	0.000	98	228800	25.0	23.9	
144 Butadiene	54	1.371	1.371	0.000	100	228779	25.0	24.1	
14 Bromomethane	94	1.633	1.633	0.000	92	155481	25.0	21.5	
15 Chloroethane	64	1.694	1.694	0.000	95	113745	25.0	23.6	
16 Dichlorofluoromethane	67	1.901	1.901	0.000	98	373037	25.0	23.9	
17 Trichlorofluoromethane	101	1.908	1.908	0.000	98	312875	25.0	24.9	
18 Ethyl ether	59	2.151	2.151	0.000	96	148525	25.0	24.1	
20 Acrolein	56	2.310	2.310	0.000	98	126787	125.0	127.8	
22 1,1-Dichloroethene	96	2.353	2.353	0.000	94	180925	25.0	25.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.359	0.000	93	204137	25.0	25.5	
23 Acetone	43	2.456	2.456	0.000	99	436528	125.0	118.6	
25 Iodomethane	142	2.505	2.505	0.000	99	411896	25.0	23.7	
26 Carbon disulfide	76	2.535	2.535	0.000	100	644546	25.0	24.7	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	411713	25.0	26.0	
27 Methyl acetate	43	2.731	2.731	0.000	100	451935	50.0	48.4	
30 Methylene Chloride	84	2.816	2.816	0.000	95	216777	25.0	24.4	
31 2-Methyl-2-propanol	59	2.974	2.974	0.000	99	291329	250.0	255.5	
32 Methyl tert-butyl ether	73	3.011	3.011	0.000	99	539900	25.0	23.7	
34 trans-1,2-Dichloroethene	96	3.023	3.023	0.000	95	202325	25.0	24.7	
33 Acrylonitrile	53	3.066	3.066	0.000	97	989227	250.0	238.1	
35 Hexane	57	3.200	3.200	0.000	95	309253	25.0	25.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.389	3.389	0.000	97	405415	25.0	24.4	
37 Vinyl acetate	43	3.444	3.444	0.000	96	1148568	50.0	53.1	
44 2,2-Dichloropropane	77	3.840	3.840	0.000	94	220388	25.0	24.6	
45 cis-1,2-Dichloroethene	96	3.871	3.871	0.000	85	220472	25.0	23.9	
43 2-Butanone (MEK)	43	3.895	3.895	0.000	97	695316	125.0	123.8	
48 Chlorobromomethane	128	4.066	4.066	0.000	94	127593	25.0	23.8	
49 Tetrahydrofuran	42	4.084	4.084	0.000	93	185819	50.0	45.9	
50 Chloroform	83	4.133	4.133	0.000	95	379262	25.0	22.8	
51 1,1,1-Trichloroethane	97	4.230	4.230	0.000	99	307382	25.0	24.1	
52 Cyclohexane	56	4.242	4.242	0.000	97	376673	25.0	25.1	
55 Carbon tetrachloride	117	4.346	4.346	0.000	97	296335	25.0	24.6	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	93	269776	25.0	24.5	
57 Benzene	78	4.523	4.523	0.000	95	738613	25.0	23.8	
53 Isobutyl alcohol	43	4.535	4.535	0.000	93	352970	625.0	638.6	
58 1,2-Dichloroethane	62	4.578	4.578	0.000	96	310114	25.0	23.1	
59 n-Heptane	43	4.675	4.675	0.000	97	377551	25.0	24.8	
62 Trichloroethene	95	5.023	5.023	0.000	97	213891	25.0	24.1	
64 Methylcyclohexane	83	5.120	5.120	0.000	98	307873	25.0	25.8	
65 1,2-Dichloropropane	63	5.212	5.212	0.000	94	226612	25.0	25.3	
67 Dibromomethane	93	5.322	5.322	0.000	97	159272	25.0	24.8	
66 1,4-Dioxane	88	5.328	5.328	0.000	96	41442	500.0	525.7	
68 Dichlorobromomethane	83	5.443	5.443	0.000	97	277343	25.0	24.6	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	148860	25.0	26.3	
72 cis-1,3-Dichloropropene	75	5.773	5.773	0.000	93	325507	25.0	25.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	1477825	125.0	122.9	
74 Toluene	92	5.998	5.998	0.000	98	449373	25.0	23.7	
77 trans-1,3-Dichloropropene	75	6.212	6.212	0.000	97	290984	25.0	26.1	
75 Ethyl methacrylate	69	6.242	6.242	0.000	96	253394	25.0	25.6	
79 1,1,2-Trichloroethane	83	6.358	6.358	0.000	92	157634	25.0	23.9	
81 Tetrachloroethene	166	6.419	6.419	0.000	95	214666	25.0	23.5	
82 1,3-Dichloropropane	76	6.486	6.486	0.000	97	285296	25.0	24.2	
80 2-Hexanone	43	6.529	6.529	0.000	99	1052925	125.0	123.6	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	246678	25.0	25.0	
84 Ethylene Dibromide	107	6.754	6.754	0.000	99	216133	25.0	24.8	
87 Chlorobenzene	112	7.120	7.120	0.000	95	529355	25.0	23.8	
88 Ethylbenzene	91	7.187	7.187	0.000	99	832366	25.0	24.4	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	97	211239	25.0	24.4	
90 m-Xylene & p-Xylene	106	7.278	7.278	0.000	99	319266	25.0	24.1	
91 o-Xylene	106	7.608	7.608	0.000	97	320598	25.0	24.7	
92 Styrene	104	7.626	7.626	0.000	94	540268	25.0	25.0	
95 Bromoform	173	7.821	7.821	0.000	96	163949	25.0	24.2	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	753312	25.0	25.6	
101 Bromobenzene	156	8.175	8.175	0.000	92	244881	25.0	24.7	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	95	278587	25.0	24.4	
99 N-Propylbenzene	91	8.229	8.229	0.000	99	992480	25.0	25.7	
100 1,2,3-Trichloropropane	110	8.236	8.236	0.000	85	71255	25.0	24.6	
98 trans-1,4-Dichloro-2-butene	53	8.242	8.242	0.000	87	88925	25.0	25.9	
103 2-Chlorotoluene	126	8.321	8.321	0.000	97	215168	25.0	25.2	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	701241	25.0	25.4	
105 4-Chlorotoluene	126	8.412	8.412	0.000	97	222976	25.0	25.2	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	137389	25.0	26.0	
107 1,2,4-Trimethylbenzene	105	8.687	8.687	0.000	98	732426	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	919725	25.0	25.6	
110 4-Isopropyltoluene	119	8.943	8.943	0.000	98	793236	25.0	25.7	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	99	450518	25.0	23.9	
113 1,4-Dichlorobenzene	146	9.022	9.022	0.000	96	465718	25.0	23.6	
115 n-Butylbenzene	91	9.284	9.284	0.000	98	730004	25.0	26.0	
116 1,2-Dichlorobenzene	146	9.339	9.339	0.000	99	442838	25.0	23.7	
117 1,2-Dibromo-3-Chloropropane	75	10.016	10.016	0.000	86	50165	25.0	24.7	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	328414	25.0	24.7	
120 Hexachlorobutadiene	225	10.790	10.790	0.000	97	161852	25.0	23.5	
121 Naphthalene	128	10.894	10.894	0.000	97	770349	25.0	24.3	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	309652	25.0	23.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added: 12.50	Units: uL	
GAS CORP mix_00642	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00092	Amount Added: 1.00	Units: uL	Run Reagent

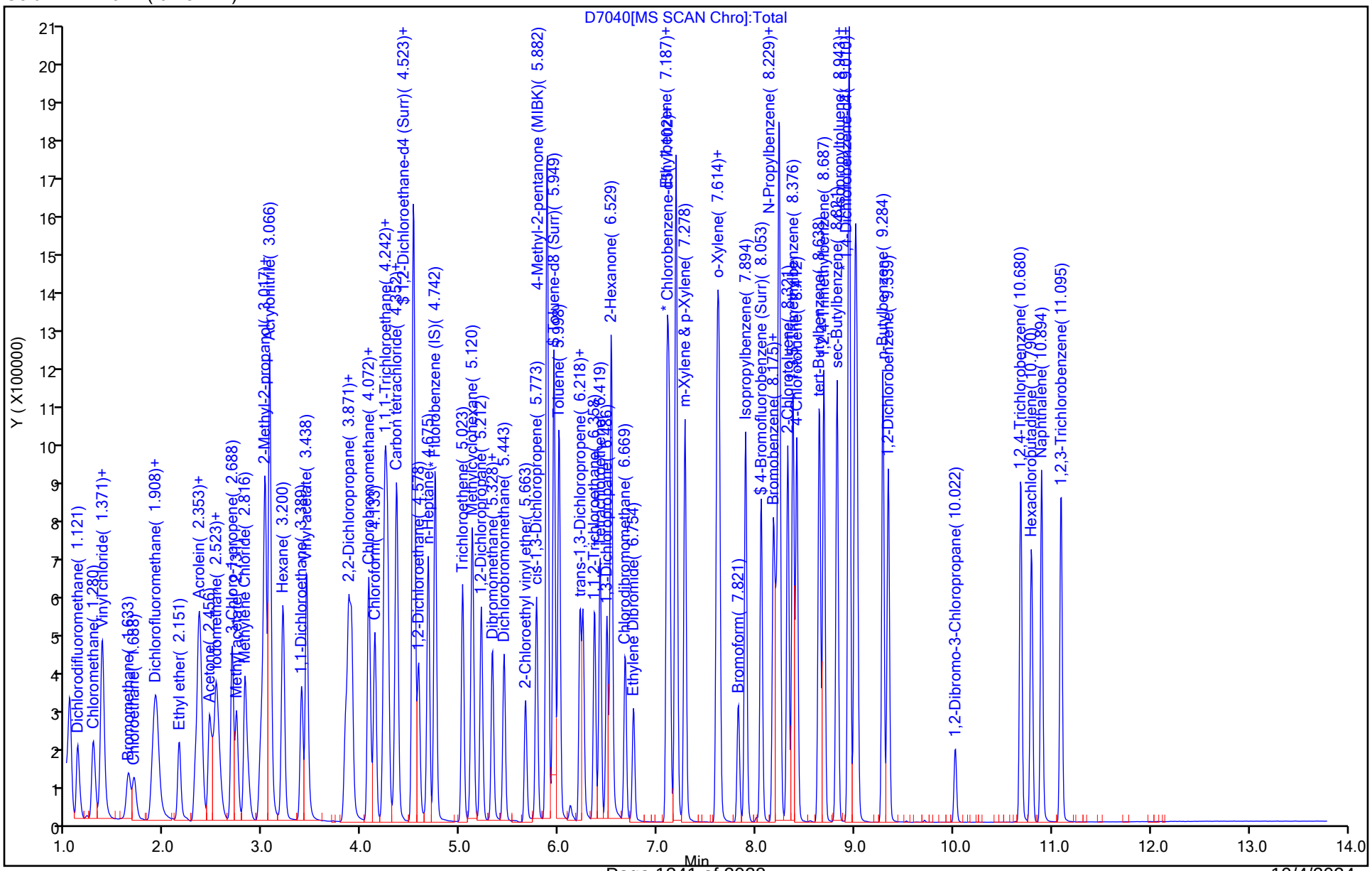
Report Date: 27-Sep-2024 14:41:53 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7040.d

Injection Date:	27-Sep-2024 10:33:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-725344/34 Calibration Date: 09/17/2024 23:07

Instrument ID: HP5977K Calib Start Date: 09/17/2024 15:15

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/17/2024 17:53

Lab File ID: K4883.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.668	1.741	0.1000	26.1	25.0	4.4	50.0
Chloromethane	Ave	1.865	1.798	0.1000	24.1	25.0	-3.6	30.0
Vinyl chloride	Ave	1.397	1.430	0.1000	25.6	25.0	2.4	30.0
Butadiene	Ave	1.353	1.350		24.9	25.0	-0.3	30.0
Bromomethane	Ave	0.9530	0.8891	0.1000	23.3	25.0	-6.7	50.0
Chloroethane	Ave	0.9238	0.9657	0.1000	26.1	25.0	4.5	50.0
Dichlorofluoromethane	Ave	2.414	2.365		24.5	25.0	-2.0	30.0
Trichlorofluoromethane	Ave	1.878	1.931	0.1000	25.7	25.0	2.8	30.0
Ethyl ether	Ave	1.061	1.071		25.2	25.0	1.0	30.0
Acrolein	Ave	0.1842	0.1765		120	125	-4.2	50.0
1,1-Dichloroethene	Lin1		1.024	0.1000	24.1	25.0	-3.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.9526	0.1000	23.9	25.0	-4.6	30.0
Acetone	Ave	0.5654	0.5774	0.1000	128	125	2.1	50.0
Iodomethane	Ave	1.699	1.783		26.2	25.0	5.0	30.0
Carbon disulfide	Ave	2.661	2.955	0.1000	27.8	25.0	11.0	30.0
Allyl chloride	Ave	1.647	1.738		26.4	25.0	5.5	30.0
Methyl acetate	Ave	1.224	1.180	0.1000	48.2	50.0	-3.6	50.0
Methylene Chloride	Lin1		1.112	0.1000	24.7	25.0	-1.1	30.0
2-Methyl-2-propanol	Ave	0.2766	0.2754		249	250	-0.4	50.0
Methyl tert-butyl ether	Ave	3.380	3.323	0.1000	24.6	25.0	-1.7	30.0
trans-1,2-Dichloroethene	Ave	1.030	1.122	0.1000	27.2	25.0	9.0	30.0
Acrylonitrile	Ave	0.7302	0.7269		249	250	-0.5	30.0
Hexane	Ave	1.464	1.634		27.9	25.0	11.6	30.0
1,1-Dichloroethane	Ave	2.072	2.192	0.2000	26.5	25.0	5.8	30.0
Vinyl acetate	Ave	2.505	2.446		48.8	50.0	-2.3	30.0
2,2-Dichloropropane	Ave	0.9579	0.9640		25.2	25.0	0.6	30.0
cis-1,2-Dichloroethene	Ave	1.173	1.202	0.1000	25.6	25.0	2.5	30.0
2-Butanone (MEK)	Ave	0.9522	0.9349	0.1000	123	125	-1.8	30.0
Chlorobromomethane	Ave	0.6221	0.6095		24.5	25.0	-2.0	30.0
Tetrahydrofuran	Ave	0.6316	0.5935		47.0	50.0	-6.0	30.0
Chloroform	Ave	2.096	2.032	0.2000	24.2	25.0	-3.1	30.0
1,1,1-Trichloroethane	Lin1		1.815	0.1000	24.6	25.0	-1.6	30.0
Cyclohexane	Lin1		2.102	0.1000	23.4	25.0	-6.3	30.0
Carbon tetrachloride	Lin1		1.428	0.1000	25.0	25.0	0.2	30.0
1,1-Dichloropropene	Ave	1.421	1.587		27.9	25.0	11.7	30.0
Isobutyl alcohol	Ave	0.0980	0.1021		652	625	4.3	50.0
Benzene	Ave	4.194	4.418	0.5000	26.3	25.0	5.3	30.0
1,2-Dichloroethane	Ave	1.816	1.833	0.1000	25.2	25.0	0.9	30.0
n-Heptane	Ave	1.244	1.352		27.2	25.0	8.6	30.0
Trichloroethene	Ave	1.136	1.206	0.2000	26.5	25.0	6.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-725344/34 | Calibration Date: 09/17/2024 23:07

Instrument ID: HP5977K | Calib Start Date: 09/17/2024 15:15

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/17/2024 17:53

Lab File ID: K4883.D | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		1.885	0.1000	23.7	25.0	-5.3	30.0
1,2-Dichloropropane	Ave	1.134	1.222	0.1000	26.9	25.0	7.7	30.0
Dibromomethane	Ave	0.7707	0.7713	0.1000	25.0	25.0	0.0	30.0
1,4-Dioxane	Ave	0.0047	0.0048		512	500	2.4	50.0
Bromodichloromethane	Ave	1.338	1.430	0.2000	26.7	25.0	6.9	30.0
2-Chloroethyl vinyl ether	Ave	0.9300	0.9439		25.4	25.0	1.5	30.0
cis-1,3-Dichloropropene	Ave	1.637	1.714	0.2000	26.2	25.0	4.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5023	0.5088	0.1000	127	125	1.3	30.0
Toluene	Ave	0.6984	0.7719	0.4000	27.6	25.0	10.5	30.0
trans-1,3-Dichloropropene	Ave	0.3865	0.4166	0.1000	26.9	25.0	7.8	30.0
Ethyl methacrylate	Ave	0.4041	0.4332		26.8	25.0	7.2	30.0
1,1,2-Trichloroethane	Ave	0.2268	0.2350	0.1000	25.9	25.0	3.6	30.0
Tetrachloroethene	Ave	0.3030	0.3333	0.2000	27.5	25.0	10.0	30.0
1,3-Dichloropropane	Ave	0.4814	0.4831		25.1	25.0	0.3	30.0
2-Hexanone	Ave	0.3773	0.3910	0.1000	130	125	3.6	30.0
Dibromochloromethane	Ave	0.2664	0.2911	0.1000	27.3	25.0	9.3	30.0
1,2-Dibromoethane	Ave	0.2983	0.3049		25.6	25.0	2.2	30.0
Chlorobenzene	Ave	0.7940	0.8493	0.5000	26.7	25.0	7.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2470	0.2760		27.9	25.0	11.8	30.0
Ethylbenzene	Ave	1.328	1.477	0.1000	27.8	25.0	11.2	30.0
m,p-Xylene	Ave	0.5138	0.5669	0.1000	27.6	25.0	10.3	30.0
o-Xylene	Ave	0.5086	0.5506	0.3000	27.1	25.0	8.3	30.0
Styrene	Ave	0.8343	0.9116	0.3000	27.3	25.0	9.3	30.0
Bromoform	Ave	0.1643	0.1824	0.1000	27.8	25.0	11.0	50.0
Isopropylbenzene	Ave	2.308	2.617	0.1000	28.3	25.0	13.4	30.0
Bromobenzene	Ave	0.6386	0.6711		26.3	25.0	5.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8593	0.8602	0.3000	25.0	25.0	0.1	30.0
1,2,3-Trichloropropane	Ave	0.2983	0.2973		24.9	25.0	-0.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3116	0.3111		25.0	25.0	-0.2	50.0
N-Propylbenzene	Ave	2.911	3.293		28.3	25.0	13.1	30.0
2-Chlorotoluene	Ave	0.6104	0.6608		27.1	25.0	8.2	30.0
1,3,5-Trimethylbenzene	Ave	2.089	2.314		27.7	25.0	10.8	30.0
4-Chlorotoluene	Ave	2.083	2.233		26.8	25.0	7.2	30.0
tert-Butylbenzene	Ave	0.4672	0.5214		27.9	25.0	11.6	30.0
1,2,4-Trimethylbenzene	Ave	2.152	2.369		27.5	25.0	10.1	30.0
sec-Butylbenzene	Ave	2.634	2.930		27.8	25.0	11.3	30.0
1,3-Dichlorobenzene	Ave	1.195	1.274	0.6000	26.6	25.0	6.6	30.0
4-Isopropyltoluene	Ave	2.309	2.540		27.5	25.0	10.0	30.0
1,4-Dichlorobenzene	Ave	1.234	1.295	0.5000	26.2	25.0	4.9	30.0
n-Butylbenzene	Ave	1.927	2.162		28.0	25.0	12.2	30.0
1,2-Dichlorobenzene	Ave	1.201	1.250	0.4000	26.0	25.0	4.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-725344/34 Calibration Date: 09/17/2024 23:07

Instrument ID: HP5977K Calib Start Date: 09/17/2024 15:15

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/17/2024 17:53

Lab File ID: K4883.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1693	0.1924	0.0500	28.4	25.0	13.6	50.0
1,2,4-Trichlorobenzene	Ave	0.7501	0.7924	0.2000	26.4	25.0	5.6	30.0
Hexachlorobutadiene	Lin1		0.3039		24.9	25.0	-0.3	30.0
Naphthalene	Ave	2.812	2.818		25.1	25.0	0.2	30.0
1,2,3-Trichlorobenzene	Ave	0.7556	0.7845		26.0	25.0	3.8	30.0
Dibromofluoromethane (Surr)	Ave	1.305	1.279		24.5	25.0	-2.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.588	1.515		23.9	25.0	-4.6	30.0
Toluene-d8 (Surr)	Ave	1.353	1.344		24.8	25.0	-0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.3854	0.3904		25.3	25.0	1.3	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Sep-2024 23:07:41 ALS Bottle#: 0 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0120078-034
Operator ID: LH Instrument ID: HP5977K
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:05:16 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 18-Sep-2024 10:59:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	184779	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	87	683393	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.719	0.003	96	353648	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.742	0.000	92	236313	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.047	0.000	97	279915	25.0	23.9	
$ 6 Toluene-d8 (Surr)	98	6.854	6.858	-0.004	94	918352	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	266798	25.0	25.3	
11 Dichlorodifluoromethane	85	1.179	1.182	-0.003	99	321687	25.0	26.1	
13 Chloromethane	50	1.350	1.353	-0.003	99	332228	25.0	24.1	
14 Vinyl chloride	62	1.440	1.443	-0.003	98	264206	25.0	25.6	
151 Butadiene	54	1.472	1.472	0.000	88	249361	25.0	24.9	
15 Bromomethane	94	1.745	1.748	-0.003	93	164288	25.0	23.3	
16 Chloroethane	64	1.841	1.845	-0.004	98	178444	25.0	26.1	
18 Dichlorofluoromethane	67	2.057	2.057	0.000	98	436941	25.0	24.5	
17 Trichlorofluoromethane	101	2.070	2.076	-0.006	97	356821	25.0	25.7	
19 Ethyl ether	59	2.350	2.353	-0.003	93	197959	25.0	25.2	
21 Acrolein	56	2.501	2.504	-0.003	99	163082	125.0	119.8	M
22 1,1-Dichloroethene	96	2.562	2.562	0.000	94	189253	25.0	24.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.591	2.594	-0.003	95	176020	25.0	23.9	
23 Acetone	43	2.658	2.662	-0.004	100	533501	125.0	127.7	M
24 Iodomethane	142	2.710	2.710	0.000	99	329534	25.0	26.2	M
25 Carbon disulfide	76	2.758	2.761	-0.003	100	546043	25.0	27.8	
27 3-Chloro-1-propene	41	2.928	2.928	0.000	87	321112	25.0	26.4	
28 Methyl acetate	43	2.970	2.973	-0.003	98	436096	50.0	48.2	
30 Methylene Chloride	84	3.063	3.067	-0.004	98	205457	25.0	24.7	
31 2-Methyl-2-propanol	59	3.234	3.237	-0.003	99	508880	250.0	248.9	M
33 Methyl tert-butyl ether	73	3.308	3.311	-0.003	98	614017	25.0	24.6	
32 trans-1,2-Dichloroethene	96	3.311	3.314	-0.003	97	207326	25.0	27.2	
34 Acrylonitrile	53	3.324	3.324	0.000	98	1343202	250.0	248.9	M
35 Hexane	57	3.542	3.546	-0.004	91	301963	25.0	27.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.719	3.723	-0.004	97	405115	25.0	26.5	
39 Vinyl acetate	43	3.780	3.780	0.000	98	904111	50.0	48.8	
42 2,2-Dichloropropane	77	4.253	4.256	-0.003	91	178122	25.0	25.2	
43 cis-1,2-Dichloroethene	96	4.279	4.279	0.000	82	222021	25.0	25.6	
44 2-Butanone (MEK)	43	4.301	4.305	-0.004	99	863755	125.0	122.7	M
47 Chlorobromomethane	128	4.507	4.507	0.000	97	112627	25.0	24.5	
48 Tetrahydrofuran	42	4.542	4.546	-0.004	87	219340	50.0	47.0	M
50 Chloroform	83	4.591	4.591	0.000	95	375392	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.722	4.723	-0.001	98	335425	25.0	24.6	
52 Cyclohexane	56	4.755	4.755	0.000	93	388488	25.0	23.4	
53 Carbon tetrachloride	117	4.870	4.874	-0.004	95	263874	25.0	25.0	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	93	293215	25.0	27.9	
56 Isobutyl alcohol	43	5.070	5.073	-0.003	95	471826	625.0	651.7	
55 Benzene	78	5.073	5.073	0.000	98	816277	25.0	26.3	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	98	338679	25.0	25.2	
59 n-Heptane	43	5.298	5.298	0.000	92	249779	25.0	27.2	
60 Trichloroethene	95	5.690	5.690	0.000	96	222865	25.0	26.5	
62 Methylcyclohexane	83	5.835	5.835	0.000	95	348267	25.0	23.7	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	93	225736	25.0	26.9	
65 Dibromomethane	93	6.038	6.041	-0.003	97	142522	25.0	25.0	
66 1,4-Dioxane	88	6.057	6.057	0.000	99	65411	500.0	511.9	
67 Dichlorobromomethane	83	6.195	6.198	-0.003	98	264290	25.0	26.7	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	93	174415	25.0	25.4	
71 cis-1,3-Dichloropropene	75	6.619	6.620	-0.001	92	316756	25.0	26.2	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	97	1738511	125.0	126.6	
73 Toluene	92	6.922	6.922	0.000	98	527503	25.0	27.6	
75 trans-1,3-Dichloropropene	75	7.176	7.179	-0.003	97	284696	25.0	26.9	
77 Ethyl methacrylate	69	7.246	7.247	-0.001	90	296067	25.0	26.8	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	94	160609	25.0	25.9	
79 Tetrachloroethene	166	7.465	7.465	0.000	95	227787	25.0	27.5	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	95	330123	25.0	25.1	
81 2-Hexanone	43	7.597	7.600	-0.003	97	1335877	125.0	129.5	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	198948	25.0	27.3	
83 Ethylene Dibromide	107	7.864	7.864	0.000	98	208359	25.0	25.6	
86 Chlorobenzene	112	8.359	8.359	0.000	94	580390	25.0	26.7	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	91	188633	25.0	27.9	
88 Ethylbenzene	91	8.459	8.459	0.000	99	1009299	25.0	27.8	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	387417	25.0	27.6	
91 o-Xylene	106	9.005	9.005	0.000	97	376282	25.0	27.1	
92 Styrene	104	9.028	9.028	0.000	95	622974	25.0	27.3	
93 Bromoform	173	9.253	9.253	0.000	95	124646	25.0	27.8	
95 Isopropylbenzene	105	9.394	9.394	0.000	96	925490	25.0	28.3	
97 Bromobenzene	156	9.726	9.726	0.000	95	237347	25.0	26.3	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	94	304196	25.0	25.0	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	86	105136	25.0	24.9	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.812	0.000	88	110015	25.0	25.0	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	1164709	25.0	28.3	
105 2-Chlorotoluene	126	9.918	9.922	-0.004	95	233683	25.0	27.1	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	94	818225	25.0	27.7	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	789845	25.0	26.8	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	184395	25.0	27.9	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	837705	25.0	27.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	1036297	25.0	27.8	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	98	450482	25.0	26.6	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	898379	25.0	27.5	
113 1,4-Dichlorobenzene	146	10.745	10.742	0.003	94	457877	25.0	26.2	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	764479	25.0	28.0	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	441897	25.0	26.0	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	86	68038	25.0	28.4	
119 1,2,4-Trichlorobenzene	180	12.500	12.501	0.000	94	280223	25.0	26.4	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	96	107464	25.0	24.9	
121 Naphthalene	128	12.706	12.706	0.000	98	996668	25.0	25.1	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	94	277435	25.0	26.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS GAS CORP_00593	Amount Added: 12.50	Units: uL	
SS 8260 CORP_00116	Amount Added: 12.50	Units: uL	
K WATER IS/SS_00014	Amount Added: 5.00	Units: uL	Run Reagent

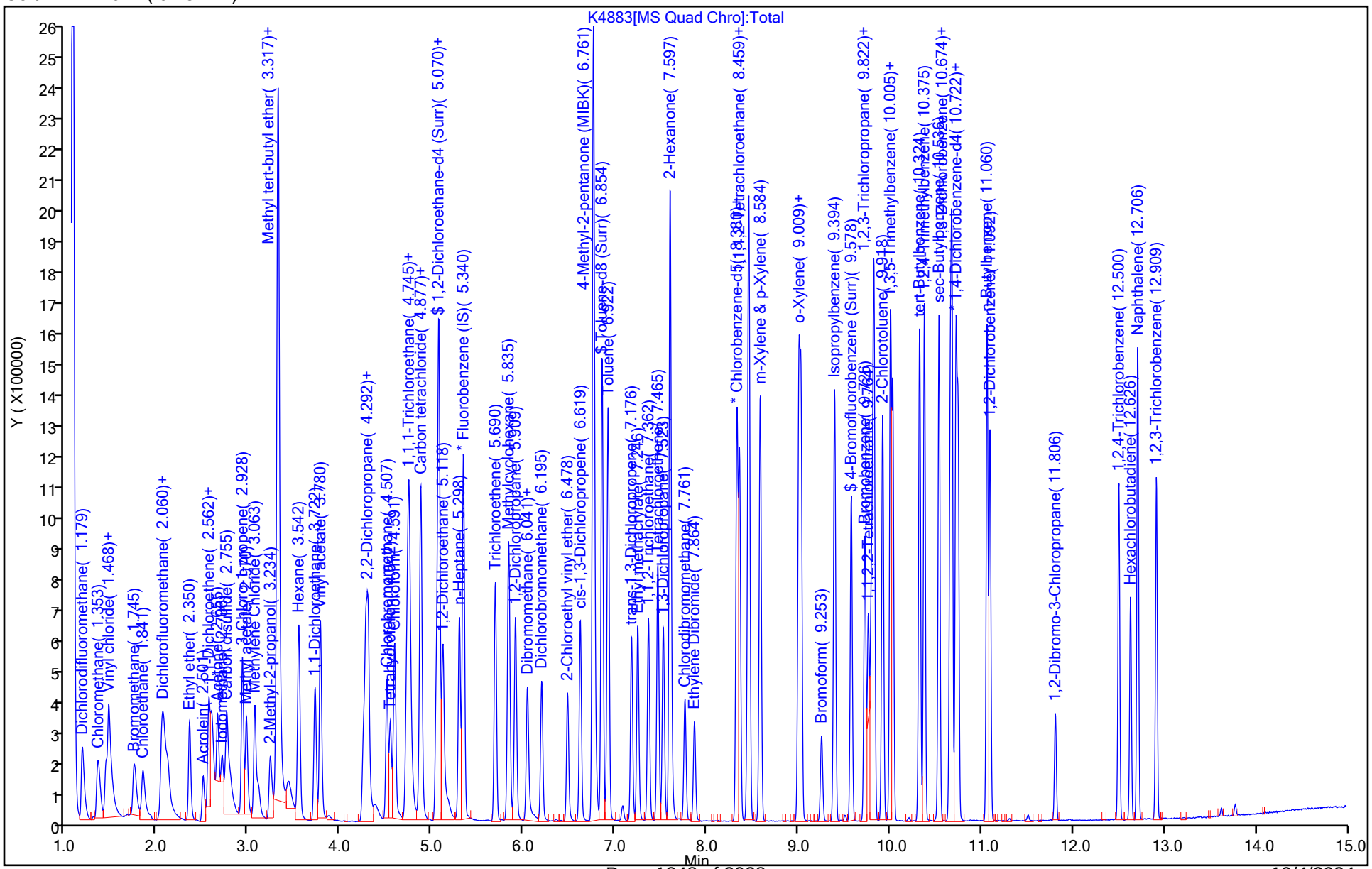
Report Date: 18-Sep-2024 11:09:13 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D

Injection Date:	17-Sep-2024 23:07:41	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	34
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo

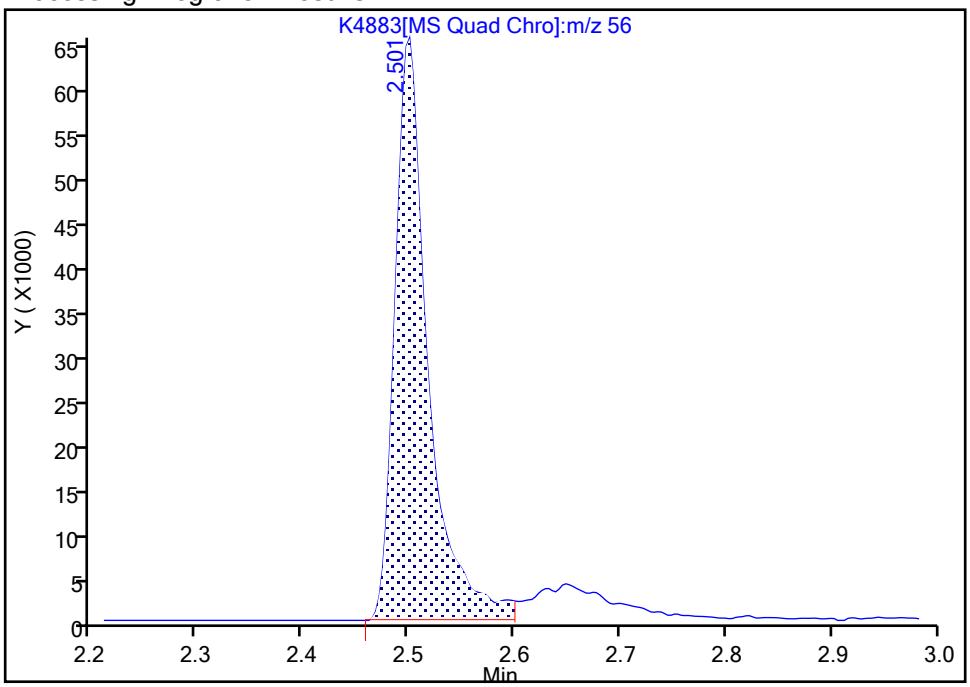
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D
Injection Date: 17-Sep-2024 23:07:41 Instrument ID: HP5977K
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

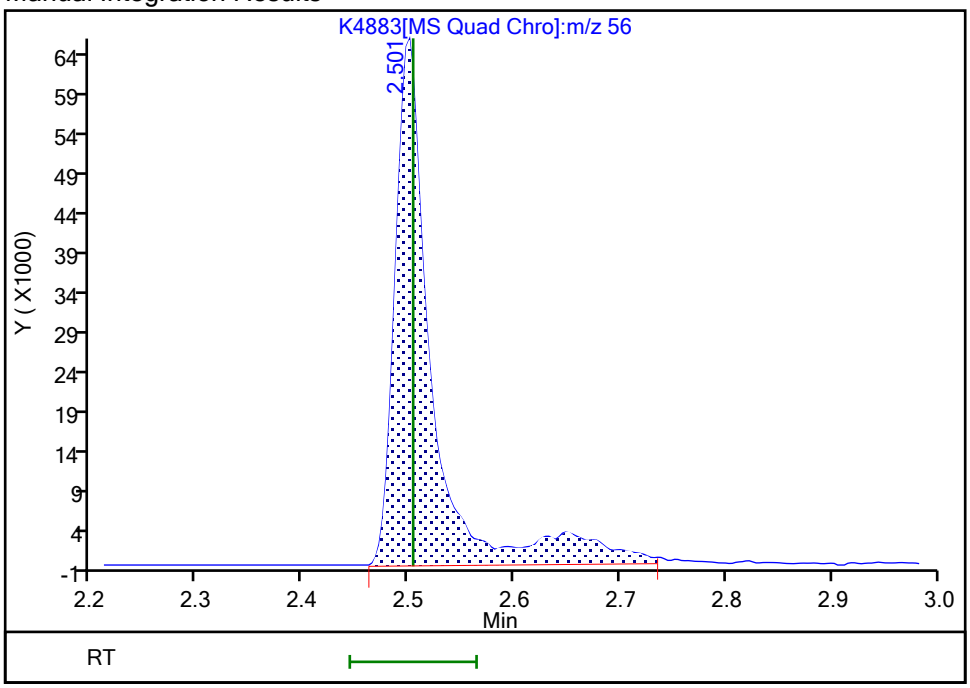
Processing Integration Results

RT: 2.50
Area: 142666
Amount: 104.8076
Amount Units: ug/L



Manual Integration Results

RT: 2.50
Area: 163082
Amount: 119.8059
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:57:59 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

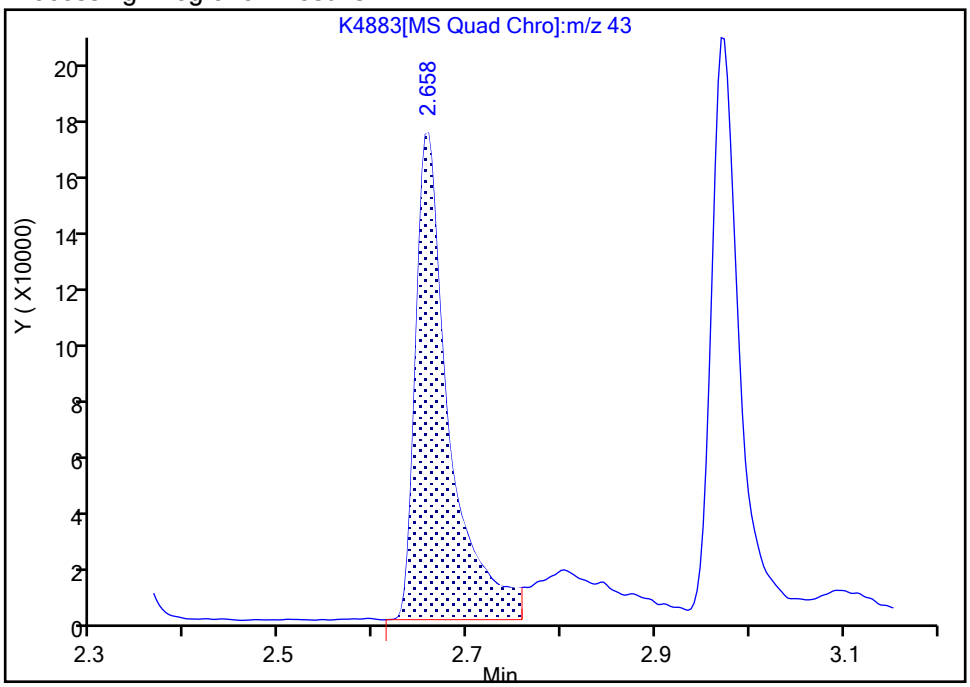
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D
Injection Date: 17-Sep-2024 23:07:41 Instrument ID: HP5977K
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

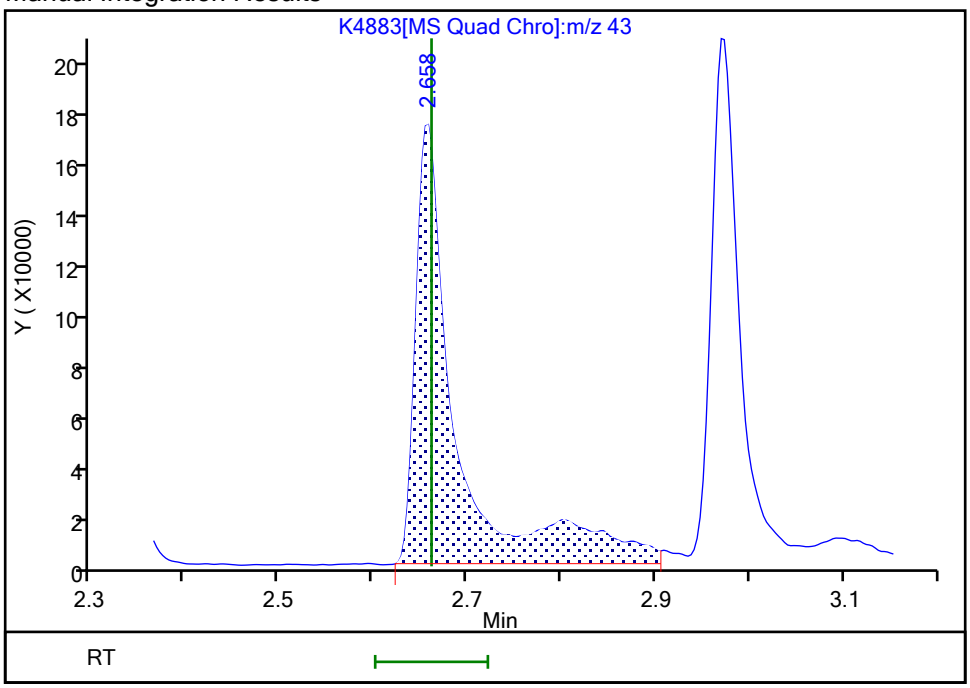
Processing Integration Results

RT: 2.66
Area: 429490
Amount: 102.7666
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 533501
Amount: 127.6539
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:58:16 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

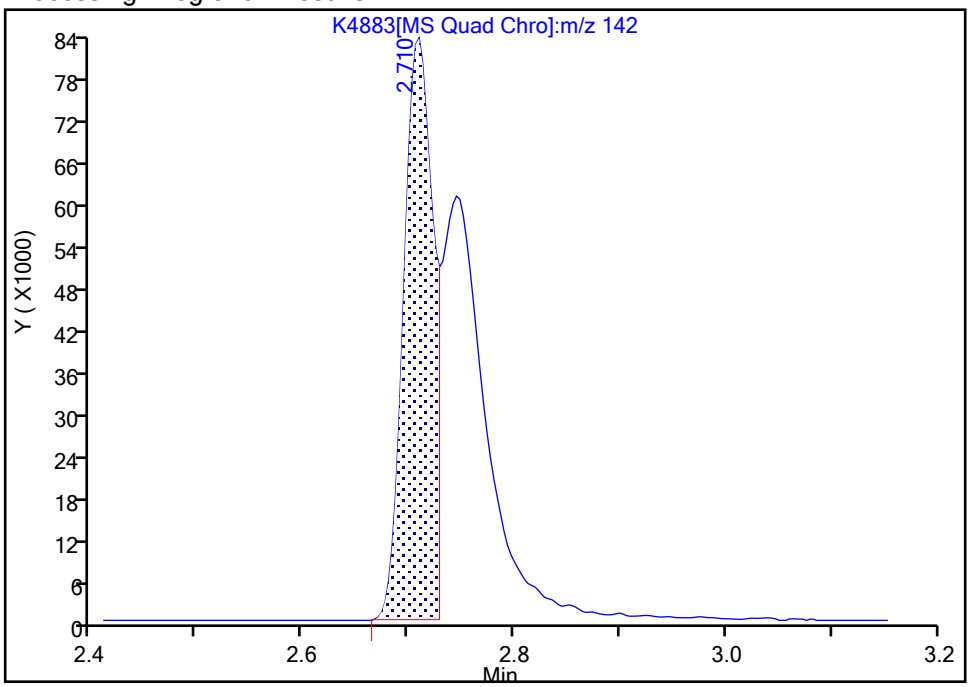
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D
Injection Date: 17-Sep-2024 23:07:41 Instrument ID: HP5977K
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

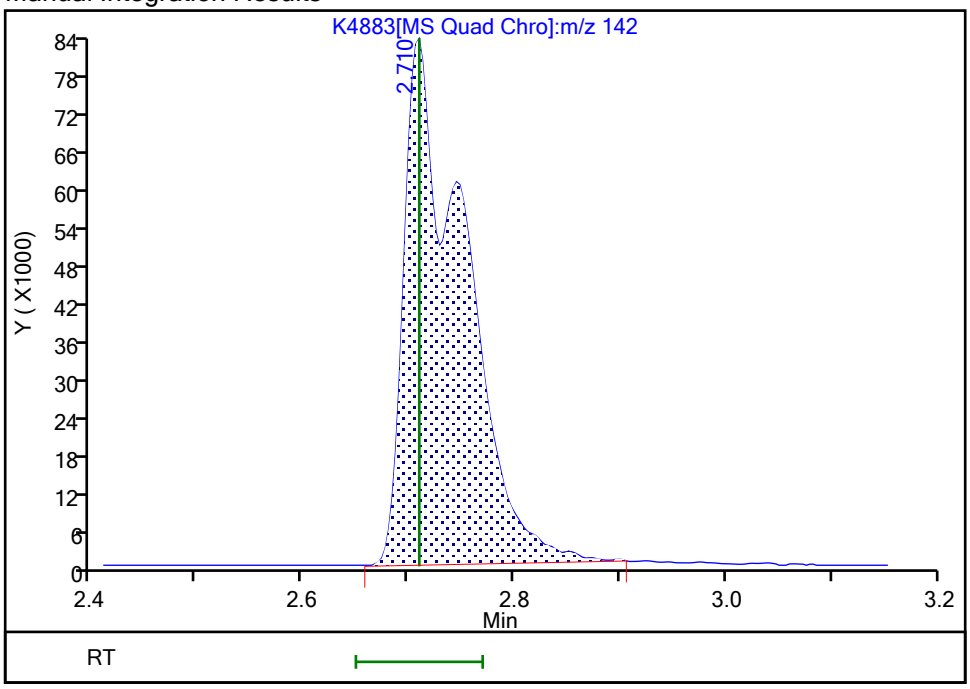
Processing Integration Results

RT: 2.71
Area: 164010
Amount: 13.063013
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 329534
Amount: 26.246612
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:58:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

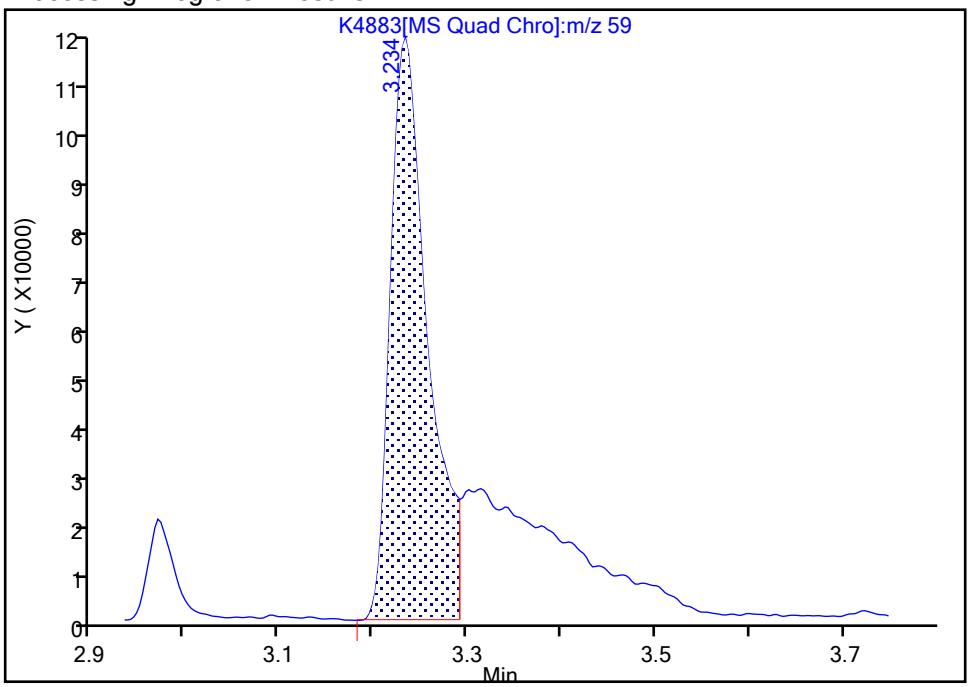
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D
Injection Date: 17-Sep-2024 23:07:41 Instrument ID: HP5977K
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

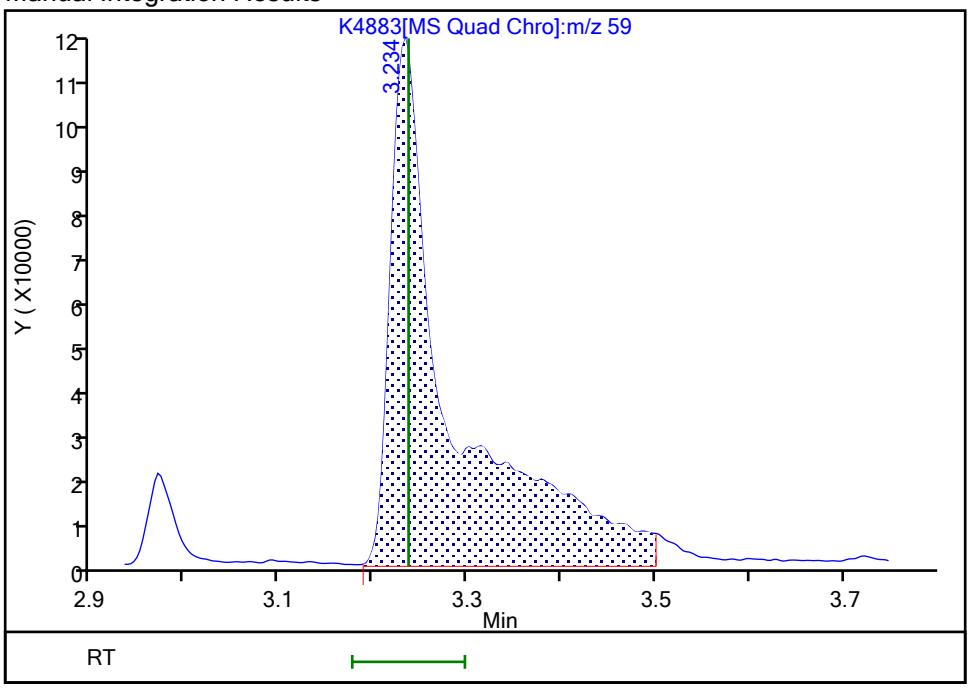
Processing Integration Results

RT: 3.23
Area: 312192
Amount: 152.7247
Amount Units: ug/L



Manual Integration Results

RT: 3.23
Area: 508880
Amount: 248.9448
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:58:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

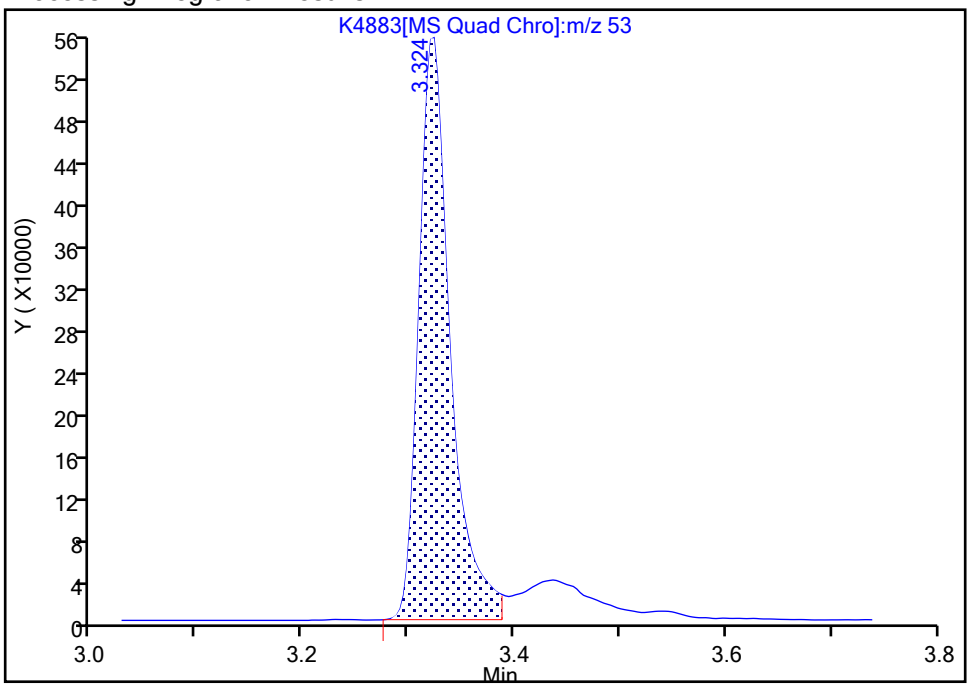
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D
Injection Date: 17-Sep-2024 23:07:41 Instrument ID: HP5977K
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

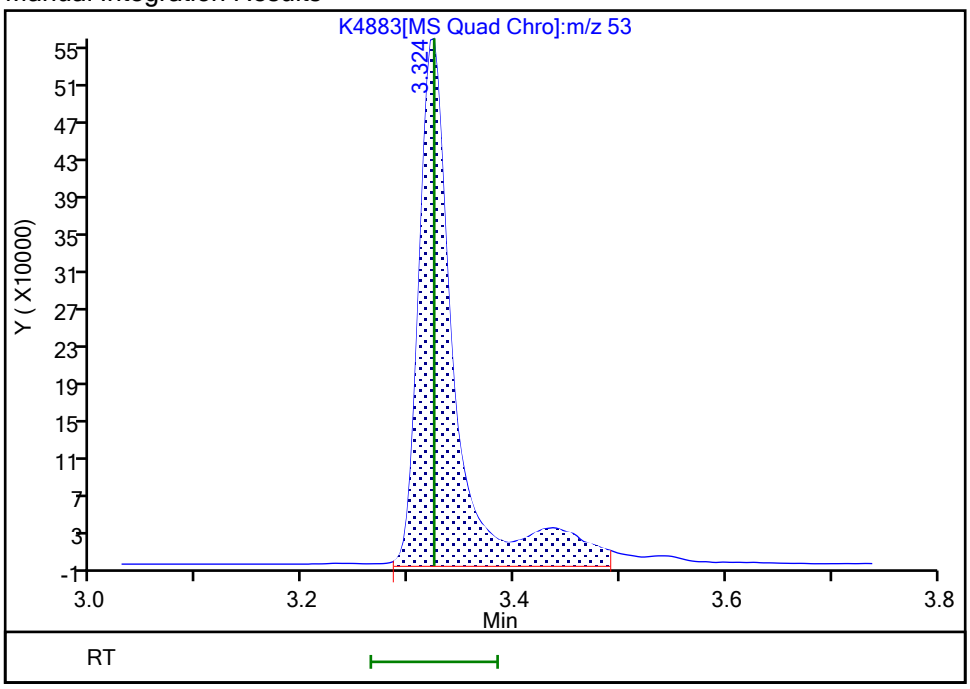
Processing Integration Results

RT: 3.32
Area: 1151607
Amount: 213.3685
Amount Units: ug/L



Manual Integration Results

RT: 3.32
Area: 1343202
Amount: 248.8671
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:59:04 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

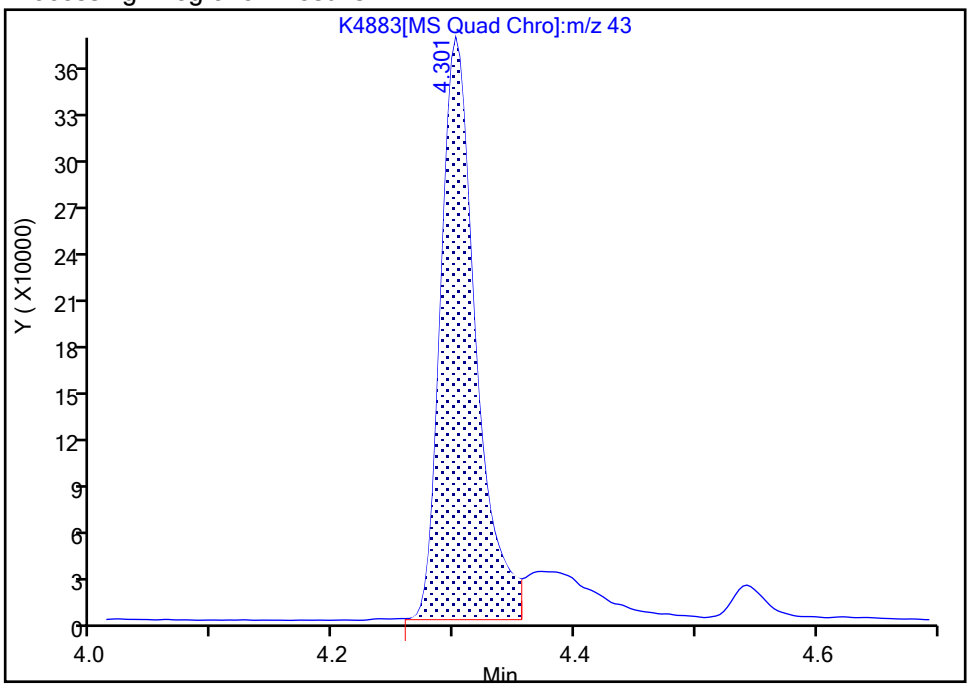
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D
Injection Date: 17-Sep-2024 23:07:41 Instrument ID: HP5977K
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

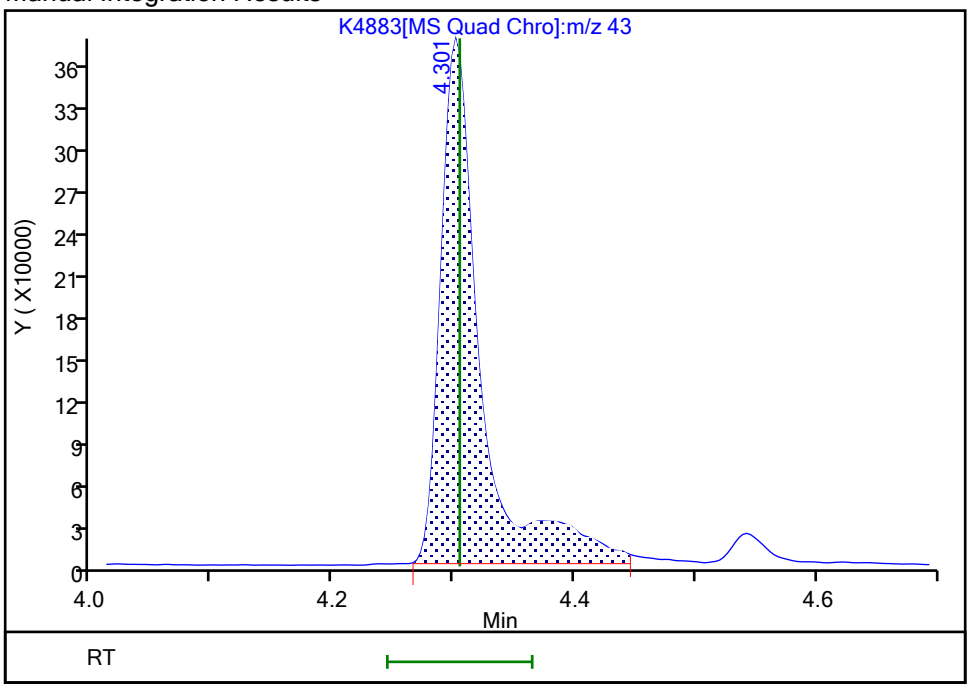
Processing Integration Results

RT: 4.30
Area: 745248
Amount: 105.8861
Amount Units: ug/L



Manual Integration Results

RT: 4.30
Area: 863755
Amount: 122.7238
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:58:56 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

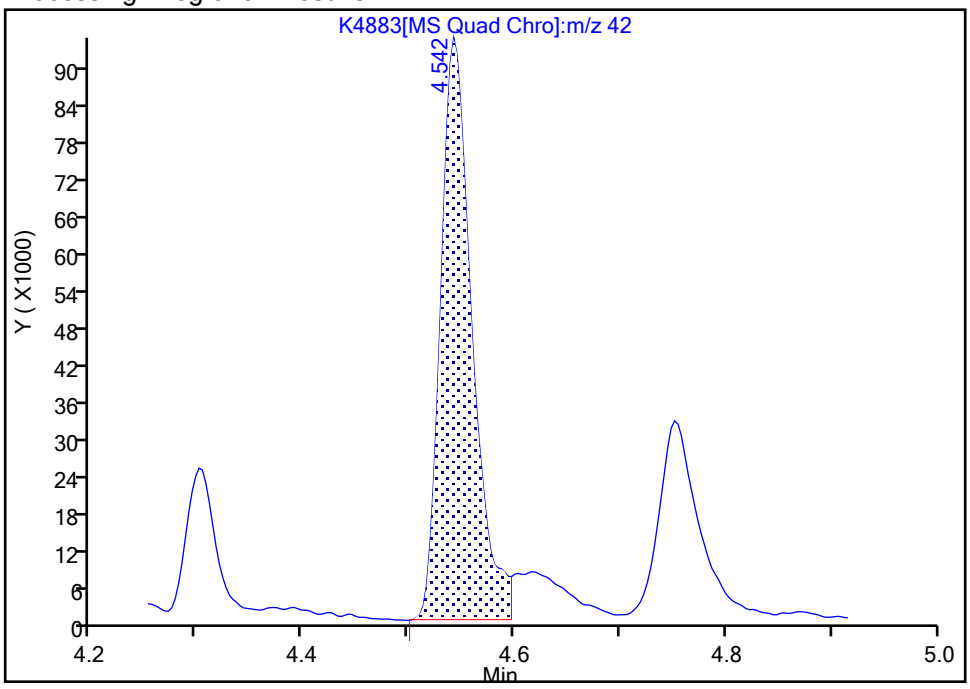
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4883.D
Injection Date: 17-Sep-2024 23:07:41 Instrument ID: HP5977K
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

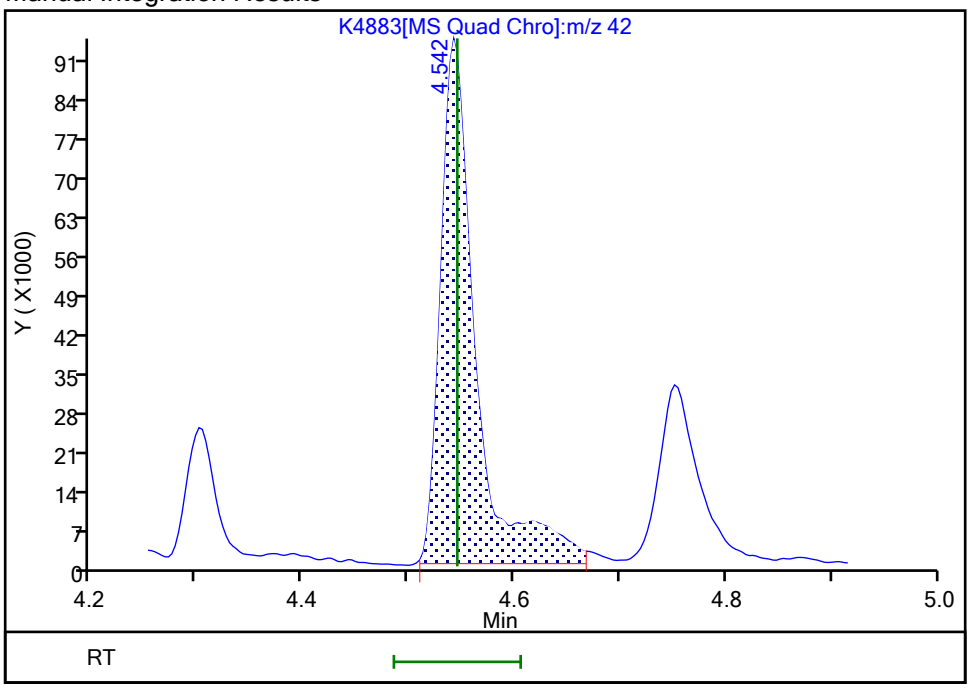
Processing Integration Results

RT: 4.54
Area: 195701
Amount: 41.919633
Amount Units: ug/L



Manual Integration Results

RT: 4.54
Area: 219340
Amount: 46.983165
Amount Units: ug/L



Reviewer: WLL8, 18-Sep-2024 10:59:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726431/4 | Calibration Date: 09/27/2024 23:24

Instrument ID: HP5977K | Calib Start Date: 09/17/2024 15:15

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/17/2024 17:53

Lab File ID: K5208.D | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.668	1.386	0.1000	20.8	25.0	-16.9	50.0
Chloromethane	Ave	1.865	2.088	0.1000	28.0	25.0	12.0	20.0
Vinyl chloride	Ave	1.397	1.617	0.1000	28.9	25.0	15.7	20.0
Butadiene	Ave	1.353	1.975		36.5	25.0	45.9*	20.0
Bromomethane	Ave	0.9530	1.067	0.1000	28.0	25.0	11.9	50.0
Chloroethane	Ave	0.9238	1.223	0.1000	33.1	25.0	32.4	50.0
Dichlorofluoromethane	Ave	2.414	2.872		29.7	25.0	19.0	20.0
Trichlorofluoromethane	Ave	1.878	2.348	0.1000	31.3	25.0	25.0*	20.0
Ethyl ether	Ave	1.061	1.134		26.7	25.0	6.9	20.0
Acrolein	Ave	0.1842	0.1536		104	125	-16.6	50.0
1,1-Dichloroethene	Lin1		1.077	0.1000	25.3	25.0	1.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.098	0.1000	27.4	25.0	9.6	20.0
Acetone	Ave	0.5654	0.5827	0.1000	129	125	3.0	50.0
Iodomethane	Ave	1.699	1.720		25.3	25.0	1.3	20.0
Carbon disulfide	Ave	2.661	2.984	0.1000	28.0	25.0	12.1	20.0
Allyl chloride	Ave	1.647	1.895		28.8	25.0	15.1	20.0
Methyl acetate	Ave	1.224	1.355	0.1000	55.3	50.0	10.7	50.0
Methylene Chloride	Lin1		1.143	0.1000	25.4	25.0	1.7	20.0
2-Methyl-2-propanol	Ave	0.2766	0.2736		247	250	-1.1	50.0
Methyl tert-butyl ether	Ave	3.380	3.186	0.1000	23.6	25.0	-5.7	20.0
trans-1,2-Dichloroethene	Ave	1.030	1.130	0.1000	27.4	25.0	9.7	20.0
Acrylonitrile	Ave	0.7302	0.7811		267	250	7.0	20.0
Hexane	Ave	1.464	1.906		32.5	25.0	30.2*	20.0
1,1-Dichloroethane	Ave	2.072	2.312	0.2000	27.9	25.0	11.6	20.0
Vinyl acetate	Ave	2.505	2.663		53.2	50.0	6.3	20.0
2,2-Dichloropropane	Ave	0.9579	0.8814		23.0	25.0	-8.0	20.0
cis-1,2-Dichloroethene	Ave	1.173	1.195	0.1000	25.5	25.0	1.9	20.0
2-Butanone (MEK)	Ave	0.9522	0.996	0.1000	131	125	4.6	20.0
Chlorobromomethane	Ave	0.6221	0.5906		23.7	25.0	-5.1	20.0
Tetrahydrofuran	Ave	0.6316	0.6510		51.5	50.0	3.1	20.0
Chloroform	Ave	2.096	2.046	0.2000	24.4	25.0	-2.4	20.0
1,1,1-Trichloroethane	Lin1		1.855	0.1000	25.1	25.0	0.5	20.0
Cyclohexane	Lin1		2.677	0.1000	29.6	25.0	18.5	20.0
Carbon tetrachloride	Lin1		1.559	0.1000	27.3	25.0	9.1	20.0
1,1-Dichloropropene	Ave	1.421	1.630		28.7	25.0	14.7	20.0
Isobutyl alcohol	Ave	0.0980	0.1163		742	625	18.8	50.0
Benzene	Ave	4.194	4.495	0.5000	26.8	25.0	7.2	20.0
1,2-Dichloroethane	Ave	1.816	1.856	0.1000	25.5	25.0	2.2	20.0
n-Heptane	Ave	1.244	1.613		32.4	25.0	29.7*	20.0
Trichloroethene	Ave	1.136	1.208	0.2000	26.6	25.0	6.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726431/4 | Calibration Date: 09/27/2024 23:24

Instrument ID: HP5977K | Calib Start Date: 09/17/2024 15:15

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 09/17/2024 17:53

Lab File ID: K5208.D | Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.006	0.1000	25.2	25.0	0.6	20.0
1,2-Dichloropropane	Ave	1.134	1.275	0.1000	28.1	25.0	12.4	20.0
Dibromomethane	Ave	0.7707	0.7626	0.1000	24.7	25.0	-1.0	20.0
1,4-Dioxane	Ave	0.0047	0.0048		517	500	3.4	50.0
Bromodichloromethane	Ave	1.338	1.428	0.2000	26.7	25.0	6.7	20.0
2-Chloroethyl vinyl ether	Ave	0.9300	0.9569		25.7	25.0	2.9	20.0
cis-1,3-Dichloropropene	Ave	1.637	1.618	0.2000	24.7	25.0	-1.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5023	0.5867	0.1000	146	125	16.8	20.0
Toluene	Ave	0.6984	0.7833	0.4000	28.0	25.0	12.2	20.0
trans-1,3-Dichloropropene	Ave	0.3865	0.3897	0.1000	25.2	25.0	0.8	20.0
Ethyl methacrylate	Ave	0.4041	0.4178		25.9	25.0	3.4	20.0
1,1,2-Trichloroethane	Ave	0.2268	0.2380	0.1000	26.2	25.0	4.9	20.0
Tetrachloroethene	Ave	0.3030	0.3314	0.2000	27.3	25.0	9.4	20.0
1,3-Dichloropropane	Ave	0.4814	0.4864		25.3	25.0	1.0	20.0
2-Hexanone	Ave	0.3773	0.4366	0.1000	145	125	15.7	20.0
Dibromochloromethane	Ave	0.2664	0.3050	0.1000	28.6	25.0	14.5	20.0
1,2-Dibromoethane	Ave	0.2983	0.2980		25.0	25.0	-0.1	20.0
Chlorobenzene	Ave	0.7940	0.8344	0.5000	26.3	25.0	5.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2470	0.2860		28.9	25.0	15.8	20.0
Ethylbenzene	Ave	1.328	1.484	0.1000	28.0	25.0	11.8	20.0
m,p-Xylene	Ave	0.5138	0.5625	0.1000	27.4	25.0	9.5	20.0
o-Xylene	Ave	0.5086	0.5316	0.3000	26.1	25.0	4.5	20.0
Styrene	Ave	0.8343	0.8760	0.3000	26.2	25.0	5.0	20.0
Bromoform	Ave	0.1643	0.1914	0.1000	29.1	25.0	16.5	50.0
Isopropylbenzene	Ave	2.308	2.628	0.1000	28.5	25.0	13.9	20.0
Bromobenzene	Ave	0.6386	0.6408		25.1	25.0	0.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8593	0.8734	0.3000	25.4	25.0	1.6	20.0
1,2,3-Trichloropropane	Ave	0.2983	0.2960		24.8	25.0	-0.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3116	0.2335		18.7	25.0	-25.1	50.0
N-Propylbenzene	Ave	2.911	3.389		29.1	25.0	16.4	20.0
2-Chlorotoluene	Ave	0.6104	0.6604		27.0	25.0	8.2	20.0
1,3,5-Trimethylbenzene	Ave	2.089	2.282		27.3	25.0	9.3	20.0
4-Chlorotoluene	Ave	2.083	2.230		26.8	25.0	7.1	20.0
tert-Butylbenzene	Ave	0.4672	0.5162		27.6	25.0	10.5	20.0
1,2,4-Trimethylbenzene	Ave	2.152	2.349		27.3	25.0	9.1	20.0
sec-Butylbenzene	Ave	2.634	2.996		28.4	25.0	13.8	20.0
1,3-Dichlorobenzene	Ave	1.195	1.232	0.6000	25.8	25.0	3.1	20.0
4-Isopropyltoluene	Ave	2.309	2.541		27.5	25.0	10.1	20.0
1,4-Dichlorobenzene	Ave	1.234	1.274	0.5000	25.8	25.0	3.2	20.0
n-Butylbenzene	Ave	1.927	2.188		28.4	25.0	13.6	20.0
1,2-Dichlorobenzene	Ave	1.201	1.224	0.4000	25.5	25.0	1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726431/4 Calibration Date: 09/27/2024 23:24

Instrument ID: HP5977K Calib Start Date: 09/17/2024 15:15

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/17/2024 17:53

Lab File ID: K5208.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1693	0.1932	0.0500	28.5	25.0	14.1	50.0
1,2,4-Trichlorobenzene	Ave	0.7501	0.7107	0.2000	23.7	25.0	-5.2	20.0
Hexachlorobutadiene	Lin1		0.2700		22.2	25.0	-11.3	20.0
Naphthalene	Ave	2.812	2.697		24.0	25.0	-4.1	20.0
1,2,3-Trichlorobenzene	Ave	0.7556	0.7235		23.9	25.0	-4.2	20.0
Dibromofluoromethane (Surr)	Ave	1.305	1.231		23.6	25.0	-5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.588	1.518		23.9	25.0	-4.4	20.0
Toluene-d8 (Surr)	Ave	1.353	1.370		25.3	25.0	1.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3854	0.3694		24.0	25.0	-4.1	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5208.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Sep-2024 23:24:54 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0120263-004
Operator ID: RS Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:51:04 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 09:51:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	117733	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	88	425391	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.719	10.719	0.000	96	215249	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	93	144975	25.0	23.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	98	178751	25.0	23.9	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	95	582725	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	92	157142	25.0	24.0	
11 Dichlorodifluoromethane	85	1.179	1.179	0.000	99	163218	25.0	20.8	
13 Chloromethane	50	1.350	1.350	0.000	99	245825	25.0	28.0	
14 Vinyl chloride	62	1.437	1.437	0.000	97	190364	25.0	28.9	
151 Butadiene	54	1.469	1.469	0.000	88	232481	25.0	36.5	
15 Bromomethane	94	1.745	1.745	0.000	92	125600	25.0	28.0	
16 Chloroethane	64	1.838	1.838	0.000	97	144026	25.0	33.1	
18 Dichlorofluoromethane	67	2.054	2.054	0.000	97	338174	25.0	29.7	
17 Trichlorofluoromethane	101	2.070	2.070	0.000	97	276461	25.0	31.3	
19 Ethyl ether	59	2.353	2.353	0.000	96	133560	25.0	26.7	
21 Acrolein	56	2.501	2.501	0.000	98	90407	125.0	104.2	
22 1,1-Dichloroethene	96	2.565	2.565	0.000	94	126800	25.0	25.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.591	2.591	0.000	95	129296	25.0	27.4	
23 Acetone	43	2.658	2.658	0.000	100	343006	125.0	128.8	
24 Iodomethane	142	2.745	2.745	0.000	97	202551	25.0	25.3	M
25 Carbon disulfide	76	2.768	2.768	0.000	100	351333	25.0	28.0	
27 3-Chloro-1-propene	41	2.929	2.929	0.000	86	223080	25.0	28.8	
28 Methyl acetate	43	2.974	2.974	0.000	99	318964	50.0	55.3	
30 Methylene Chloride	84	3.067	3.067	0.000	97	134544	25.0	25.4	
31 2-Methyl-2-propanol	59	3.234	3.234	0.000	98	322166	250.0	247.4	M
33 Methyl tert-butyl ether	73	3.308	3.308	0.000	100	375146	25.0	23.6	
32 trans-1,2-Dichloroethene	96	3.314	3.314	0.000	95	133046	25.0	27.4	
34 Acrylonitrile	53	3.321	3.321	0.000	98	919621	250.0	267.4	
35 Hexane	57	3.543	3.543	0.000	92	224372	25.0	32.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.723	3.723	0.000	97	272180	25.0	27.9	
39 Vinyl acetate	43	3.781	3.781	0.000	97	627120	50.0	53.2	
42 2,2-Dichloropropane	77	4.253	4.253	0.000	87	103775	25.0	23.0	
43 cis-1,2-Dichloroethene	96	4.279	4.279	0.000	84	140635	25.0	25.5	
44 2-Butanone (MEK)	43	4.301	4.301	0.000	99	586457	125.0	130.8	
47 Chlorobromomethane	128	4.507	4.507	0.000	93	69529	25.0	23.7	
48 Tetrahydrofuran	42	4.543	4.543	0.000	90	153295	50.0	51.5	
50 Chloroform	83	4.588	4.588	0.000	97	240897	25.0	24.4	
51 1,1,1-Trichloroethane	97	4.723	4.723	0.000	96	218337	25.0	25.1	
52 Cyclohexane	56	4.755	4.755	0.000	94	315129	25.0	29.6	
53 Carbon tetrachloride	117	4.871	4.871	0.000	95	183543	25.0	27.3	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	94	191857	25.0	28.7	
56 Isobutyl alcohol	43	5.070	5.070	0.000	92	342432	625.0	742.3	
55 Benzene	78	5.073	5.073	0.000	97	529218	25.0	26.8	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	97	218529	25.0	25.5	
59 n-Heptane	43	5.295	5.295	0.000	94	189917	25.0	32.4	
60 Trichloroethene	95	5.687	5.687	0.000	95	142229	25.0	26.6	
62 Methylcyclohexane	83	5.835	5.835	0.000	98	236224	25.0	25.2	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	92	150121	25.0	28.1	
65 Dibromomethane	93	6.038	6.038	0.000	94	89787	25.0	24.7	
66 1,4-Dioxane	88	6.054	6.054	0.000	95	41108	500.0	516.8	M
67 Dichlorobromomethane	83	6.195	6.195	0.000	97	168121	25.0	26.7	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	92	112654	25.0	25.7	
71 cis-1,3-Dichloropropene	75	6.617	6.617	0.000	90	190435	25.0	24.7	
72 4-Methyl-2-pentanone (MIBK)	43	6.758	6.758	0.000	98	1247790	125.0	146.0	
73 Toluene	92	6.919	6.919	0.000	98	333214	25.0	28.0	
75 trans-1,3-Dichloropropene	75	7.176	7.176	0.000	98	165777	25.0	25.2	
77 Ethyl methacrylate	69	7.244	7.244	0.000	92	177747	25.0	25.9	
78 1,1,2-Trichloroethane	83	7.359	7.359	0.000	95	101239	25.0	26.2	
79 Tetrachloroethene	166	7.465	7.465	0.000	92	140966	25.0	27.3	
80 1,3-Dichloropropane	76	7.523	7.523	0.000	96	206900	25.0	25.3	
81 2-Hexanone	43	7.597	7.597	0.000	97	928694	125.0	144.7	
82 Chlorodibromomethane	129	7.758	7.758	0.000	89	129738	25.0	28.6	
83 Ethylene Dibromide	107	7.864	7.864	0.000	98	126766	25.0	25.0	
86 Chlorobenzene	112	8.356	8.356	0.000	93	354967	25.0	26.3	
89 1,1,1,2-Tetrachloroethane	131	8.449	8.449	0.000	90	121666	25.0	28.9	
88 Ethylbenzene	91	8.459	8.459	0.000	99	631411	25.0	28.0	
90 m-Xylene & p-Xylene	106	8.581	8.581	0.000	98	239277	25.0	27.4	
91 o-Xylene	106	9.002	9.002	0.000	98	226143	25.0	26.1	
92 Styrene	104	9.028	9.028	0.000	95	372640	25.0	26.2	
93 Bromoform	173	9.253	9.253	0.000	94	81436	25.0	29.1	
95 Isopropylbenzene	105	9.395	9.395	0.000	97	565588	25.0	28.5	
97 Bromobenzene	156	9.726	9.726	0.000	95	137939	25.0	25.1	
98 1,1,2,2-Tetrachloroethane	83	9.761	9.761	0.000	96	187997	25.0	25.4	
100 1,2,3-Trichloropropane	110	9.797	9.797	0.000	86	63719	25.0	24.8	
101 trans-1,4-Dichloro-2-butene	53	9.809	9.809	0.000	87	50262	25.0	18.7	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	729524	25.0	29.1	
105 2-Chlorotoluene	126	9.919	9.919	0.000	95	142149	25.0	27.0	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	95	491160	25.0	27.3	
102 4-Chlorotoluene	91	10.031	10.031	0.000	98	480081	25.0	26.8	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	111110	25.0	27.6	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	99	505582	25.0	27.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	644870	25.0	28.4	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	97	265199	25.0	25.8	
111 4-Isopropyltoluene	119	10.674	10.674	0.000	97	547031	25.0	27.5	
113 1,4-Dichlorobenzene	146	10.742	10.742	0.000	95	274150	25.0	25.8	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	471009	25.0	28.4	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	96	263434	25.0	25.5	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	78	41576	25.0	28.5	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	94	152980	25.0	23.7	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	93	58113	25.0	22.2	
121 Naphthalene	128	12.706	12.706	0.000	98	580553	25.0	24.0	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	95	155742	25.0	23.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00259	Amount Added:	12.50	Units: uL	
GAS CORP mix_00642	Amount Added:	12.50	Units: uL	
K WATER IS/SS_00014	Amount Added:	5.00	Units: uL	Run Reagent

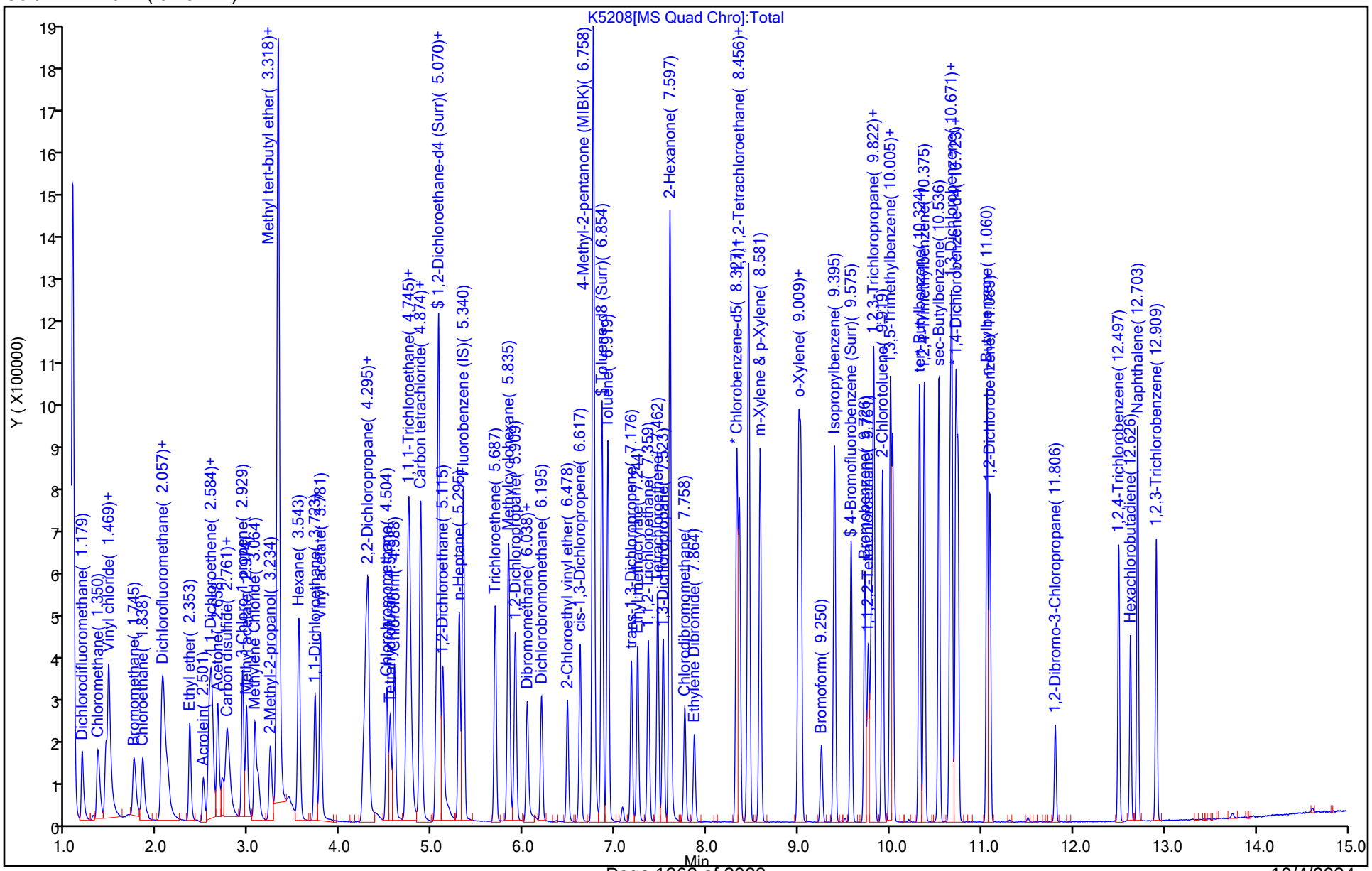
Report Date: 30-Sep-2024 09:51:05 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5208.D

Injection Date:	27-Sep-2024 23:24:54	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Manual Integration/User Assign Peak Report

Eurofins Buffalo

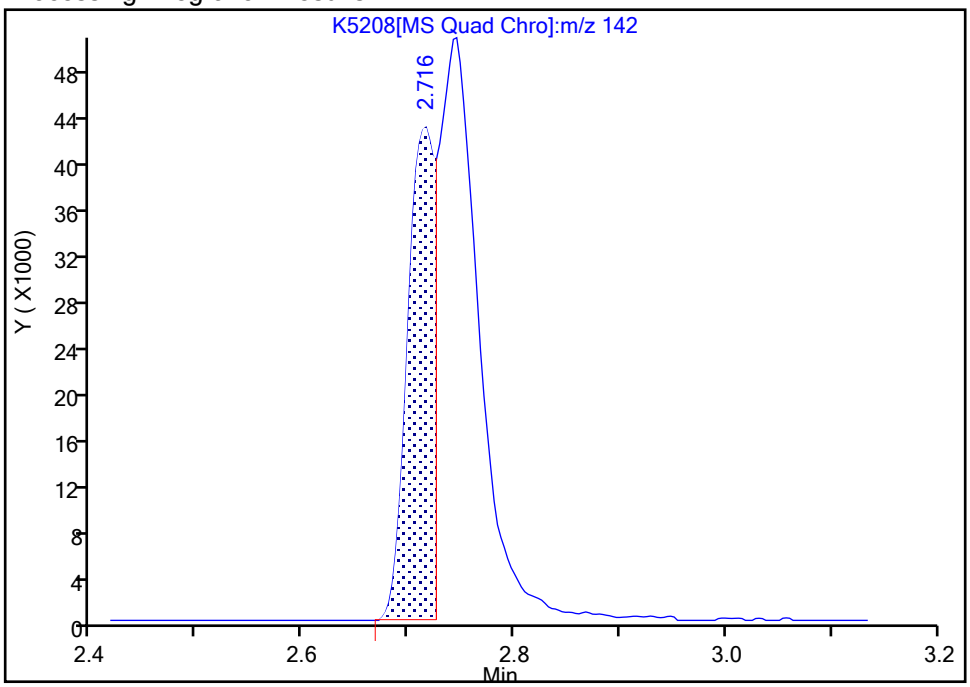
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5208.D
Injection Date: 27-Sep-2024 23:24:54 Instrument ID: HP5977K
Lims ID: CCVIS
Client ID:
Operator ID: RS ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

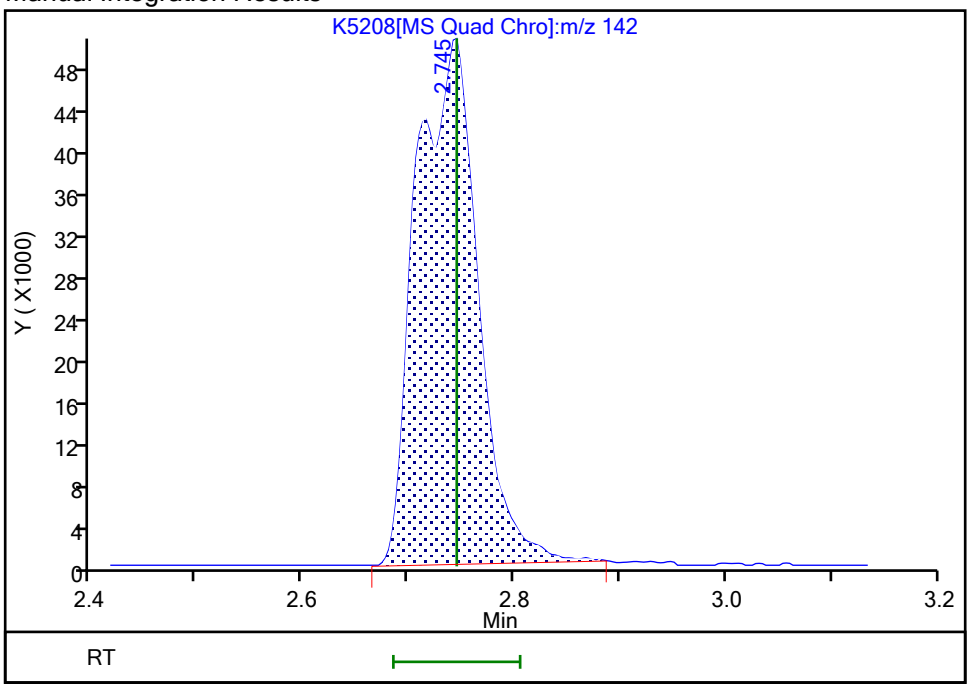
Processing Integration Results

RT: 2.72
Area: 78167
Amount: 9.771267
Amount Units: ug/L



Manual Integration Results

RT: 2.75
Area: 202551
Amount: 25.319890
Amount Units: ug/L



Reviewer: WLL8, 30-Sep-2024 09:50:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

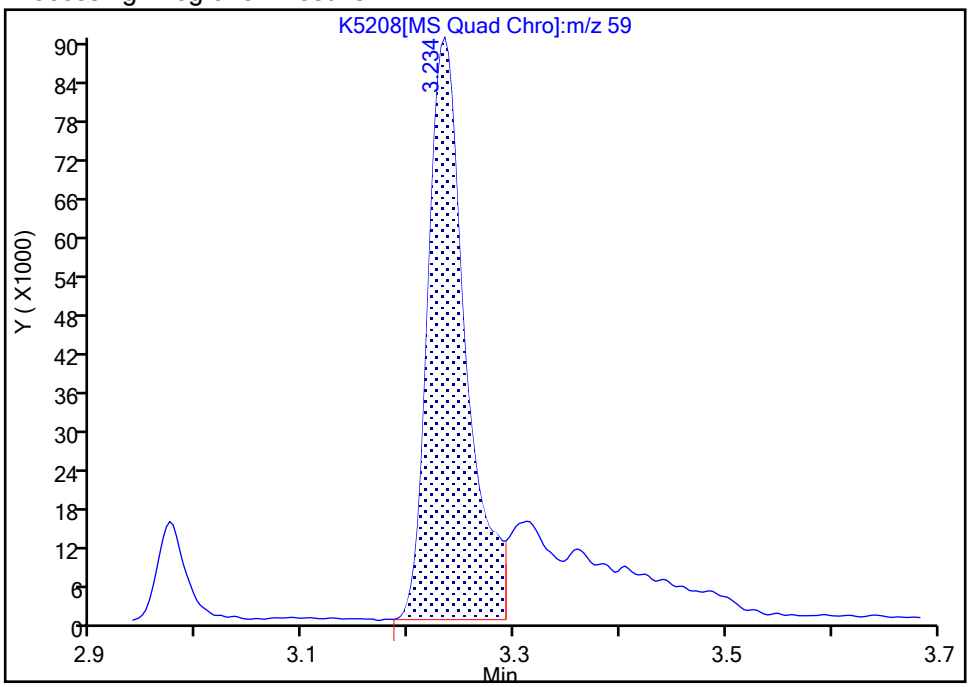
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5208.D
Injection Date: 27-Sep-2024 23:24:54 Instrument ID: HP5977K
Lims ID: CCVIS
Client ID:
Operator ID: RS ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

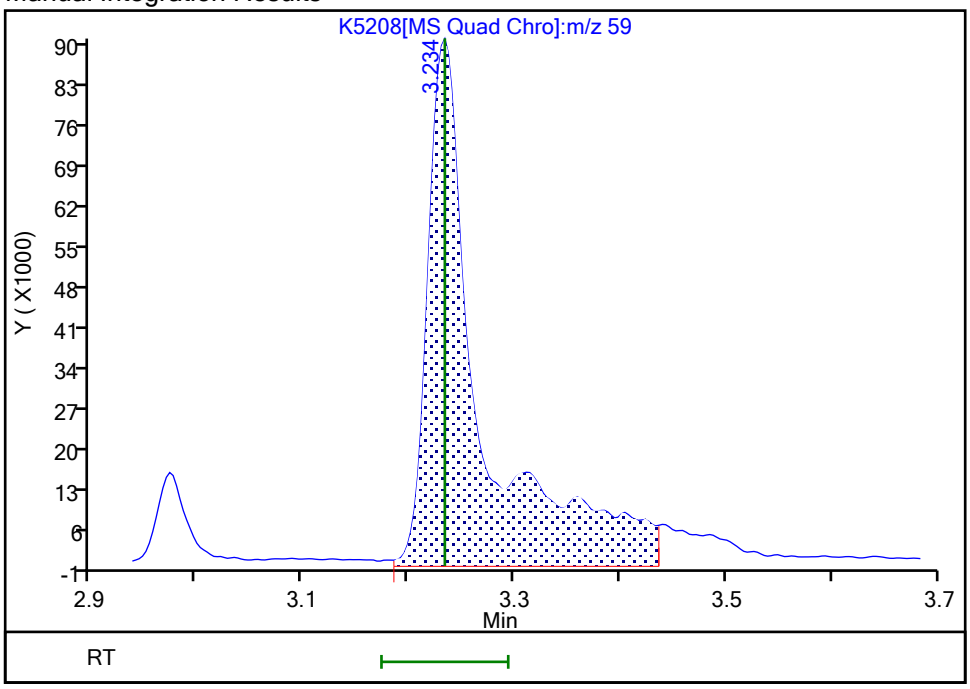
Processing Integration Results

RT: 3.23
Area: 223810
Amount: 171.8389
Amount Units: ug/L



Manual Integration Results

RT: 3.23
Area: 322166
Amount: 247.3556
Amount Units: ug/L



Reviewer: WLL8, 30-Sep-2024 09:50:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

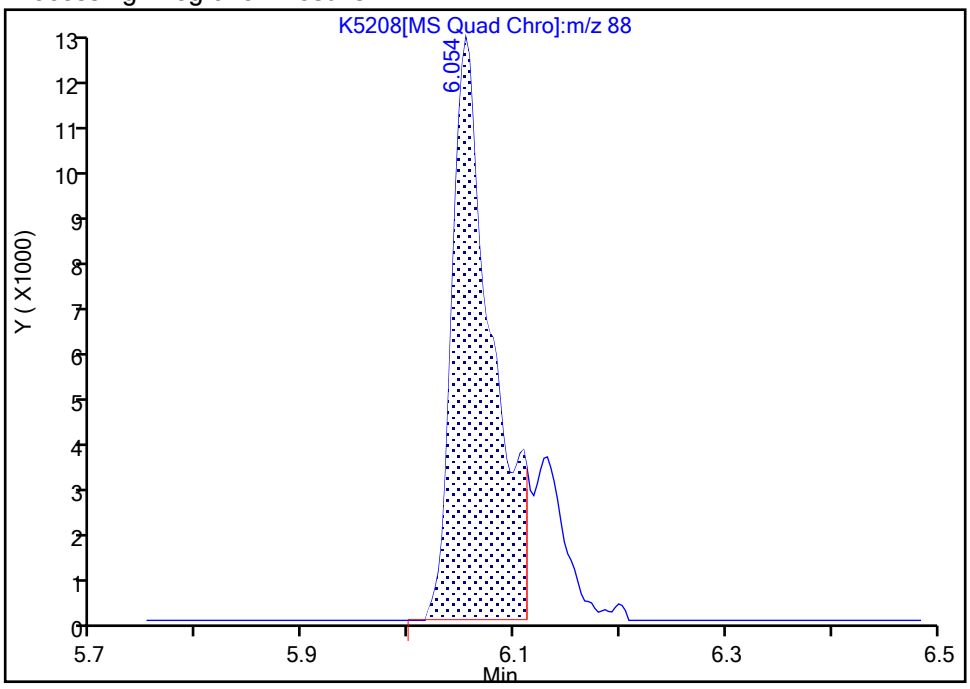
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5208.D
Injection Date: 27-Sep-2024 23:24:54 Instrument ID: HP5977K
Lims ID: CCVIS
Client ID:
Operator ID: RS ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

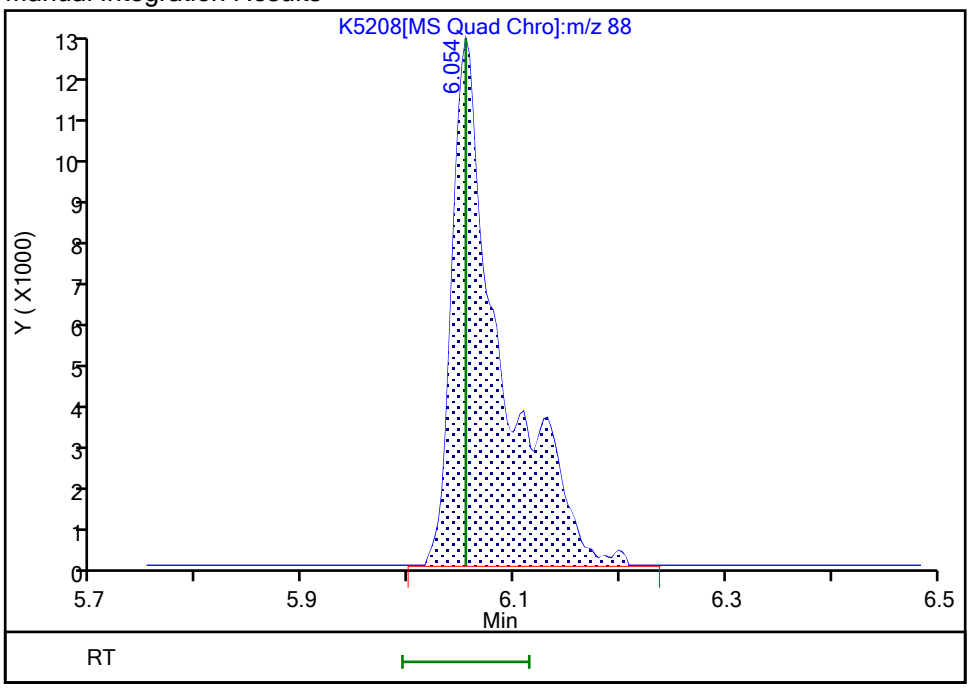
Processing Integration Results

RT: 6.05
Area: 33211
Amount: 417.5175
Amount Units: ug/L



Manual Integration Results

RT: 6.05
Area: 41108
Amount: 516.7959
Amount Units: ug/L



Reviewer: WLL8, 30-Sep-2024 09:50:53 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-726083/26 Calibration Date: 09/25/2024 06:05

Instrument ID: HP5977L Calib Start Date: 09/24/2024 21:32

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 09/25/2024 00:23

Lab File ID: L8824.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.668	1.808	0.1000	27.1	25.0	8.4	50.0
Chloromethane	Ave	1.818	1.823	0.1000	25.1	25.0	0.3	30.0
Vinyl chloride	Ave	1.494	1.545	0.1000	25.9	25.0	3.5	30.0
Butadiene	Ave	1.276	1.329		26.0	25.0	4.1	30.0
Bromomethane	Ave	1.103	1.047	0.1000	23.7	25.0	-5.0	50.0
Chloroethane	Ave	1.011	1.025	0.1000	25.3	25.0	1.4	50.0
Dichlorofluoromethane	Ave	2.562	2.677		26.1	25.0	4.5	30.0
Trichlorofluoromethane	Ave	1.995	2.221	0.1000	27.8	25.0	11.3	30.0
Ethyl ether	Ave	1.357	1.372		25.3	25.0	1.1	30.0
Acrolein	Ave	0.2324	0.2152		116	125	-7.4	50.0
1,1-Dichloroethene	Ave	1.354	1.424	0.1000	26.3	25.0	5.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.217	1.297	0.1000	26.7	25.0	6.6	30.0
Acetone	Ave	0.6912	0.7510	0.1000	136	125	8.7	50.0
Iodomethane	Ave	2.026	2.259		27.9	25.0	11.5	30.0
Carbon disulfide	Ave	4.187	4.389	0.1000	26.2	25.0	4.8	30.0
Allyl chloride	Ave	2.171	2.336		26.9	25.0	7.6	30.0
Methyl acetate	Ave	1.682	1.760	0.1000	52.3	50.0	4.6	50.0
Methylene Chloride	Lin1		1.539	0.1000	26.1	25.0	4.6	30.0
2-Methyl-2-propanol	Ave	0.2929	0.2994		256	250	2.2	50.0
trans-1,2-Dichloroethene	Ave	1.446	1.517	0.1000	26.2	25.0	4.9	30.0
Acrylonitrile	Ave	0.8348	0.8948		268	250	7.2	30.0
Methyl tert-butyl ether	Ave	4.584	4.962	0.1000	27.1	25.0	8.3	30.0
Hexane	Ave	2.379	2.277		23.9	25.0	-4.3	30.0
1,1-Dichloroethane	Ave	2.519	2.657	0.2000	26.4	25.0	5.4	30.0
Vinyl acetate	Ave	3.418	3.480		50.9	50.0	1.8	30.0
2,2-Dichloropropane	Ave	1.347	1.228		22.8	25.0	-8.9	30.0
cis-1,2-Dichloroethene	Ave	1.520	1.615	0.1000	26.6	25.0	6.3	30.0
2-Butanone (MEK)	Ave	1.148	1.246	0.1000	136	125	8.5	30.0
Chlorobromomethane	Ave	0.7544	0.8196		27.2	25.0	8.7	30.0
Chloroform	Ave	2.612	2.672	0.2000	25.6	25.0	2.3	30.0
Tetrahydrofuran	Ave	0.7936	0.8254		52.0	50.0	4.0	30.0
1,1,1-Trichloroethane	Ave	2.016	2.193	0.1000	27.2	25.0	8.8	30.0
Cyclohexane	Ave	2.460	2.558	0.1000	26.0	25.0	4.0	30.0
1,1-Dichloropropene	Ave	1.948	2.098		26.9	25.0	7.7	30.0
Carbon tetrachloride	Ave	1.802	2.027	0.1000	28.1	25.0	12.4	30.0
Isobutyl alcohol	Ave	0.1082	0.1195		690	625	10.4	50.0
Benzene	Ave	5.456	5.666	0.5000	26.0	25.0	3.8	30.0
1,2-Dichloroethane	Ave	2.185	2.338	0.1000	26.8	25.0	7.0	30.0
n-Heptane	Ave	2.322	2.319		25.0	25.0	-0.1	30.0
Trichloroethene	Ave	1.477	1.548	0.2000	26.2	25.0	4.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-726083/26 Calibration Date: 09/25/2024 06:05

Instrument ID: HP5977L Calib Start Date: 09/24/2024 21:32

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 09/25/2024 00:23

Lab File ID: L8824.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.549	2.654	0.1000	26.0	25.0	4.1	30.0
1,2-Dichloropropane	Ave	1.415	1.504	0.1000	26.6	25.0	6.2	30.0
Dibromomethane	Ave	0.9861	1.062	0.1000	26.9	25.0	7.7	30.0
1,4-Dioxane	Ave	0.0039	0.0034		439	500	-12.2	50.0
Bromodichloromethane	Ave	1.837	1.967	0.2000	26.8	25.0	7.1	30.0
2-Chloroethyl vinyl ether	Ave	1.131	1.253		27.7	25.0	10.8	30.0
cis-1,3-Dichloropropene	Ave	2.364	2.484	0.2000	26.3	25.0	5.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6045	0.6383	0.1000	132	125	5.6	30.0
Toluene	Ave	0.9440	0.9468	0.4000	25.1	25.0	0.3	30.0
trans-1,3-Dichloropropene	Ave	0.5703	0.6134	0.1000	26.9	25.0	7.6	30.0
Ethyl methacrylate	Ave	0.6054	0.6425		26.5	25.0	6.1	30.0
1,1,2-Trichloroethane	Ave	0.2968	0.3083	0.1000	26.0	25.0	3.9	30.0
Tetrachloroethene	Ave	0.3733	0.3757	0.2000	25.2	25.0	0.6	30.0
1,3-Dichloropropane	Ave	0.6232	0.6563		26.3	25.0	5.3	30.0
2-Hexanone	Ave	0.4520	0.4739	0.1000	131	125	4.8	30.0
Dibromochloromethane	Ave	0.3747	0.4085	0.1000	27.3	25.0	9.0	30.0
1,2-Dibromoethane	Ave	0.3898	0.4200		26.9	25.0	7.8	30.0
Chlorobenzene	Ave	1.041	1.043	0.5000	25.0	25.0	0.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3617	0.3764		26.0	25.0	4.1	30.0
Ethylbenzene	Ave	1.772	1.793	0.1000	25.3	25.0	1.2	30.0
m,p-Xylene	Ave	0.6878	0.6968	0.1000	25.3	25.0	1.3	30.0
o-Xylene	Ave	0.6699	0.6893	0.3000	25.7	25.0	2.9	30.0
Styrene	Ave	1.113	1.146	0.3000	25.7	25.0	3.0	30.0
Bromoform	Ave	0.2489	0.2759	0.1000	27.7	25.0	10.8	50.0
Isopropylbenzene	Ave	3.067	3.166	0.1000	25.8	25.0	3.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.071	1.145	0.3000	26.7	25.0	6.9	30.0
Bromobenzene	Ave	0.7887	0.8238		26.1	25.0	4.4	30.0
1,2,3-Trichloropropane	Ave	0.3698	0.3948		26.7	25.0	6.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3627	0.4028		27.8	25.0	11.1	50.0
N-Propylbenzene	Ave	3.960	4.053		25.6	25.0	2.3	30.0
2-Chlorotoluene	Ave	0.7695	0.7909		25.7	25.0	2.8	30.0
1,3,5-Trimethylbenzene	Ave	2.779	2.882		25.9	25.0	3.7	30.0
4-Chlorotoluene	Ave	2.603	2.590		24.9	25.0	-0.5	30.0
tert-Butylbenzene	Ave	0.6056	0.6377		26.3	25.0	5.3	30.0
1,2,4-Trimethylbenzene	Ave	2.889	2.980		25.8	25.0	3.2	30.0
sec-Butylbenzene	Ave	3.668	3.763		25.6	25.0	2.6	30.0
4-Isopropyltoluene	Ave	3.109	3.212		25.8	25.0	3.3	30.0
1,3-Dichlorobenzene	Ave	1.541	1.573	0.6000	25.5	25.0	2.0	30.0
1,4-Dichlorobenzene	Ave	1.591	1.609	0.5000	25.3	25.0	1.2	30.0
n-Butylbenzene	Ave	2.893	2.893		25.0	25.0	0.0	30.0
1,2-Dichlorobenzene	Ave	1.513	1.550	0.4000	25.6	25.0	2.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-726083/26 Calibration Date: 09/25/2024 06:05

Instrument ID: HP5977L Calib Start Date: 09/24/2024 21:32

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 09/25/2024 00:23

Lab File ID: L8824.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2776	0.3004	0.0500	27.0	25.0	8.2	50.0
1,2,4-Trichlorobenzene	Ave	1.037	1.031	0.2000	24.9	25.0	-0.6	30.0
Hexachlorobutadiene	Ave	0.3598	0.3283		22.8	25.0	-8.7	30.0
Naphthalene	Ave	3.614	3.775		26.1	25.0	4.4	30.0
1,2,3-Trichlorobenzene	Ave	0.9901	1.019		25.7	25.0	2.9	30.0
Dibromofluoromethane (Surr)	Ave	1.301	1.353		26.0	25.0	4.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.670	1.750		26.2	25.0	4.8	30.0
Toluene-d8 (Surr)	Ave	1.280	1.282		25.0	25.0	0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.3655	0.3574		24.5	25.0	-2.2	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8824.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 25-Sep-2024 06:05:46 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0120201-026
Operator ID: cdc Instrument ID: HP5977L
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:06:57 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: WLL8 Date: 26-Sep-2024 11:57:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	167479	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.535	8.532	0.003	87	645252	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	342449	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	92	226580	25.0	26.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	97	293125	25.0	26.2	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	827080	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.767	0.000	95	230635	25.0	24.5	
10 Dichlorodifluoromethane	85	1.744	1.748	-0.004	99	302774	25.0	27.1	
13 Chloromethane	50	1.953	1.947	-0.004	99	305291	25.0	25.1	
14 Vinyl chloride	62	2.069	2.066	0.003	97	258823	25.0	25.9	
15 Butadiene	54	2.098	2.105	0.003	94	222505	25.0	26.0	
18 Bromomethane	94	2.420	2.426	0.007	90	175361	25.0	23.7	
19 Chloroethane	64	2.513	2.513	0.003	99	171687	25.0	25.3	
20 Dichlorofluoromethane	67	2.706	2.703	0.007	97	448269	25.0	26.1	
21 Trichlorofluoromethane	101	2.725	2.725	0.000	99	371928	25.0	27.8	
26 Ethyl ether	59	3.002	2.998	0.004	91	229809	25.0	25.3	
28 Acrolein	56	3.140	3.143	0.003	99	180177	125.0	115.7	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.204	3.204	0.006	67	217283	25.0	26.7	
30 1,1-Dichloroethene	96	3.201	3.198	0.003	96	238469	25.0	26.3	
31 Acetone	43	3.291	3.291	0.000	99	628916	125.0	135.8	
33 Iodomethane	142	3.352	3.362	-0.006	99	378400	25.0	27.9	
35 Carbon disulfide	76	3.410	3.413	-0.006	100	735033	25.0	26.2	
37 3-Chloro-1-propene	41	3.510	3.510	0.000	87	391257	25.0	26.9	
38 Methyl acetate	43	3.555	3.555	0.000	98	589409	50.0	52.3	
39 Methylene Chloride	84	3.629	3.629	0.000	94	257828	25.0	26.1	
40 2-Methyl-2-propanol	59	3.786	3.793	-0.007	99	501467	250.0	255.6	
42 trans-1,2-Dichloroethene	96	3.847	3.850	-0.003	96	254003	25.0	26.2	
44 Acrylonitrile	53	3.857	3.857	0.000	99	1498655	250.0	268.0	
41 Methyl tert-butyl ether	73	3.867	3.866	0.001	96	831067	25.0	27.1	
47 Hexane	57	4.034	4.034	0.000	93	381422	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.207	4.207	0.000	97	444910	25.0	26.4	
49 Vinyl acetate	43	4.240	4.239	0.001	97	1165602	50.0	50.9	
56 2,2-Dichloropropane	77	4.683	4.683	0.000	87	205601	25.0	22.8	
58 cis-1,2-Dichloroethene	96	4.703	4.699	0.004	84	270424	25.0	26.6	
57 2-Butanone (MEK)	43	4.728	4.731	-0.003	100	1043410	125.0	135.7	
60 Chlorobromomethane	128	4.908	4.911	-0.003	95	137270	25.0	27.2	
62 Chloroform	83	4.960	4.960	0.000	93	447578	25.0	25.6	
61 Tetrahydrofuran	42	4.995	4.998	-0.003	91	276475	50.0	52.0	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	99	367305	25.0	27.2	
65 Cyclohexane	56	5.153	5.156	0.000	92	428424	25.0	26.0	
67 1,1-Dichloropropene	75	5.246	5.246	0.000	95	351295	25.0	26.9	
66 Carbon tetrachloride	117	5.256	5.259	-0.003	97	339415	25.0	28.1	
69 Isobutyl alcohol	43	5.381	5.384	-0.003	95	500254	625.0	690.0	
70 Benzene	78	5.436	5.436	0.000	96	948957	25.0	26.0	
72 1,2-Dichloroethane	62	5.458	5.461	-0.003	97	391587	25.0	26.8	
73 n-Heptane	43	5.584	5.583	0.001	93	388319	25.0	25.0	
75 Trichloroethene	95	5.989	5.989	0.000	98	259246	25.0	26.2	
76 Methylcyclohexane	83	6.140	6.140	0.000	91	444564	25.0	26.0	
77 1,2-Dichloropropane	63	6.195	6.194	0.000	95	251815	25.0	26.6	
82 Dibromomethane	93	6.326	6.326	0.000	95	177905	25.0	26.9	
81 1,4-Dioxane	88	6.368	6.358	0.010	98	44051	500.0	438.9	
83 Dichlorobromomethane	83	6.445	6.445	0.000	99	329403	25.0	26.8	
84 2-Chloroethyl vinyl ether	63	6.686	6.686	0.000	93	209811	25.0	27.7	
85 cis-1,3-Dichloropropene	75	6.847	6.847	0.000	94	416012	25.0	26.3	
87 4-Methyl-2-pentanone (MIBK)	43	6.982	6.985	-0.003	96	2059416	125.0	132.0	
88 Toluene	92	7.153	7.153	0.000	98	610956	25.0	25.1	
91 trans-1,3-Dichloropropene	75	7.368	7.368	0.000	94	395766	25.0	26.9	
90 Ethyl methacrylate	69	7.423	7.423	0.000	90	414561	25.0	26.5	
93 1,1,2-Trichloroethane	83	7.555	7.551	-0.003	93	198921	25.0	26.0	
94 Tetrachloroethene	166	7.690	7.690	0.000	92	242451	25.0	25.2	
95 1,3-Dichloropropane	76	7.722	7.725	-0.003	92	423483	25.0	26.3	
96 2-Hexanone	43	7.786	7.786	0.000	96	1528816	125.0	131.0	
98 Chlorodibromomethane	129	7.963	7.963	0.000	91	263572	25.0	27.3	
101 Ethylene Dibromide	107	8.085	8.088	-0.003	99	271026	25.0	26.9	
103 Chlorobenzene	112	8.564	8.564	0.000	94	672843	25.0	25.0	
105 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	94	242901	25.0	26.0	
104 Ethylbenzene	91	8.645	8.644	0.001	99	1156644	25.0	25.3	
106 m-Xylene & p-Xylene	106	8.760	8.757	-0.003	99	449590	25.0	25.3	
107 o-Xylene	106	9.188	9.188	0.000	97	444755	25.0	25.7	
109 Styrene	104	9.207	9.207	0.000	95	739577	25.0	25.7	
110 Bromoform	173	9.448	9.452	0.000	94	178006	25.0	27.7	
111 Isopropylbenzene	105	9.564	9.567	0.000	96	1084102	25.0	25.8	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.924	0.000	96	392144	25.0	26.7	
113 Bromobenzene	156	9.944	9.943	0.001	97	282113	25.0	26.1	
116 1,2,3-Trichloropropane	110	9.979	9.976	0.003	88	135206	25.0	26.7	
115 trans-1,4-Dichloro-2-butene	53	9.979	9.979	0.000	75	137936	25.0	27.8	
114 N-Propylbenzene	91	10.008	10.008	0.000	99	1387945	25.0	25.6	
117 2-Chlorotoluene	126	10.130	10.130	0.000	96	270848	25.0	25.7	
118 1,3,5-Trimethylbenzene	105	10.188	10.188	0.000	94	986883	25.0	25.9	
119 4-Chlorotoluene	91	10.239	10.239	0.000	98	886897	25.0	24.9	
120 tert-Butylbenzene	134	10.519	10.519	0.000	93	218369	25.0	26.3	
121 1,2,4-Trimethylbenzene	105	10.574	10.570	0.004	98	1020606	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.731	10.734	-0.003	95	1288637	25.0	25.6	
123 4-Isopropyltoluene	119	10.866	10.866	0.000	97	1099939	25.0	25.8	
124 1,3-Dichlorobenzene	146	10.879	10.876	0.003	97	538520	25.0	25.5	
126 1,4-Dichlorobenzene	146	10.960	10.963	0.000	94	551083	25.0	25.3	
127 n-Butylbenzene	91	11.246	11.246	0.000	98	990753	25.0	25.0	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	96	530758	25.0	25.6	
129 1,2-Dibromo-3-Chloropropane	75	11.992	11.992	0.000	85	102870	25.0	27.0	
130 1,2,4-Trichlorobenzene	180	12.645	12.644	0.000	94	353041	25.0	24.9	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	94	112438	25.0	22.8	
132 Naphthalene	128	12.850	12.850	0.000	98	1292603	25.0	26.1	
133 1,2,3-Trichlorobenzene	180	13.046	13.046	0.000	95	348975	25.0	25.7	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00116	Amount Added: 12.50	Units: uL	
SS GAS CORP_00595	Amount Added: 12.50	Units: uL	
L_8260_IS_00059	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 26-Sep-2024 12:07:26 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8824.D

Injection Date: 25-Sep-2024 06:05:46 Instrument ID: HP5977L

Lims ID: ICV

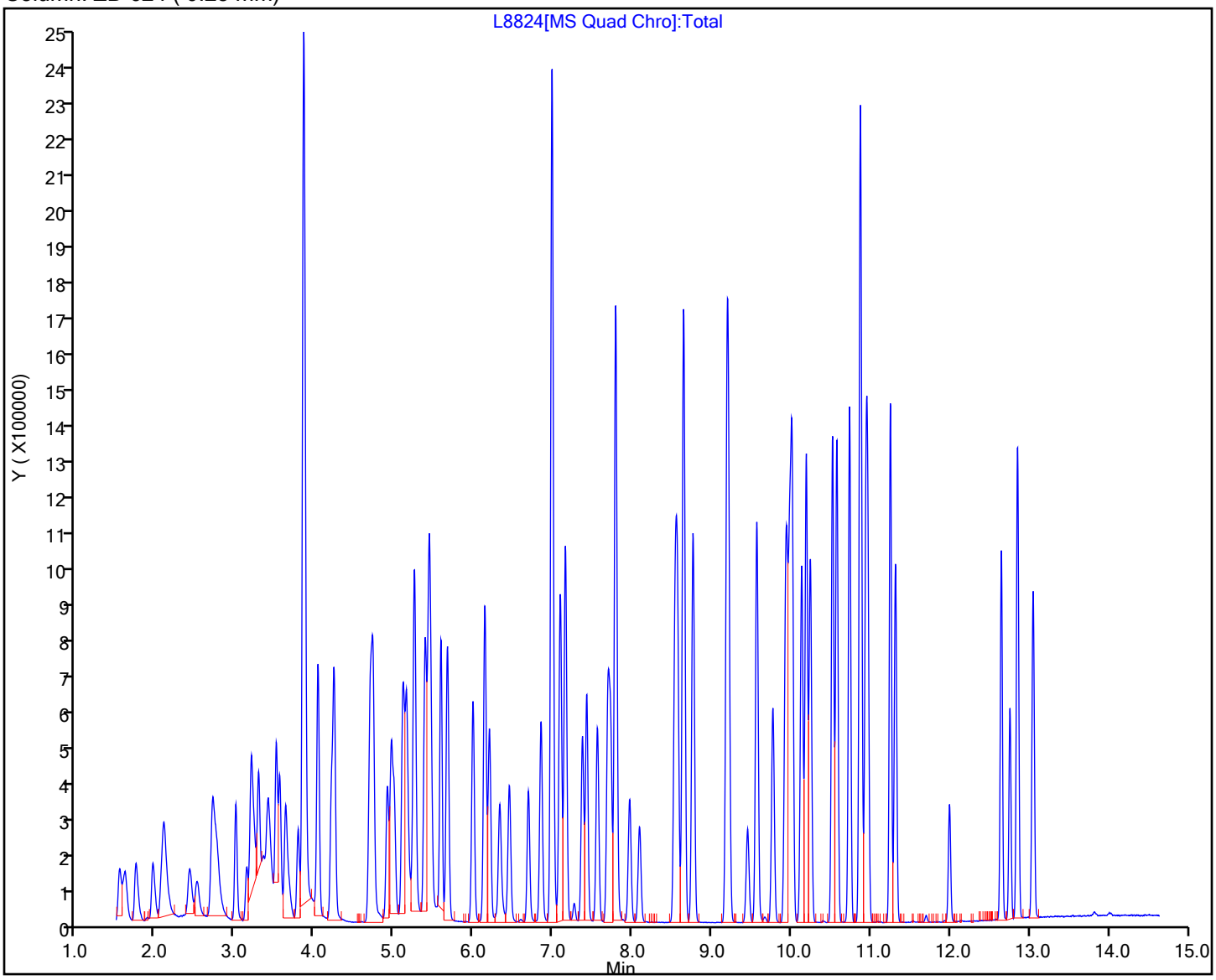
Client ID:

Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 26

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726463/4 Calibration Date: 09/28/2024 03:31

Instrument ID: HP5977L Calib Start Date: 09/24/2024 21:32

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 09/25/2024 00:23

Lab File ID: L8918.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.668	1.531	0.1000	23.0	25.0	-8.2	50.0
Chloromethane	Ave	1.818	1.671	0.1000	23.0	25.0	-8.1	20.0
Vinyl chloride	Ave	1.494	1.396	0.1000	23.4	25.0	-6.5	20.0
Butadiene	Ave	1.276	1.322		25.9	25.0	3.5	20.0
Bromomethane	Ave	1.103	1.039	0.1000	23.6	25.0	-5.8	50.0
Chloroethane	Ave	1.011	0.9771	0.1000	24.2	25.0	-3.4	50.0
Dichlorofluoromethane	Ave	2.562	2.622		25.6	25.0	2.3	20.0
Trichlorofluoromethane	Ave	1.995	2.093	0.1000	26.2	25.0	4.9	20.0
Ethyl ether	Ave	1.357	1.315		24.2	25.0	-3.1	20.0
Acrolein	Ave	0.2324	0.2193		118	125	-5.6	50.0
1,1-Dichloroethene	Ave	1.354	1.280	0.1000	23.6	25.0	-5.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.217	1.136	0.1000	23.3	25.0	-6.6	20.0
Acetone	Ave	0.6912	0.7704	0.1000	139	125	11.5	50.0
Iodomethane	Ave	2.026	2.145		26.5	25.0	5.9	20.0
Carbon disulfide	Ave	4.187	4.066	0.1000	24.3	25.0	-2.9	20.0
Allyl chloride	Ave	2.171	2.047		23.6	25.0	-5.7	20.0
Methyl acetate	Ave	1.682	1.757	0.1000	52.2	50.0	4.5	50.0
Methylene Chloride	Lin1		1.419	0.1000	24.1	25.0	-3.7	20.0
2-Methyl-2-propanol	Ave	0.2929	0.3564		304	250	21.7	50.0
trans-1,2-Dichloroethene	Ave	1.446	1.386	0.1000	24.0	25.0	-4.1	20.0
Acrylonitrile	Ave	0.8348	0.8577		257	250	2.7	20.0
Methyl tert-butyl ether	Ave	4.584	4.601	0.1000	25.1	25.0	0.4	20.0
Hexane	Ave	2.379	1.902		20.0	25.0	-20.1*	20.0
1,1-Dichloroethane	Ave	2.519	2.432	0.2000	24.1	25.0	-3.5	20.0
Vinyl acetate	Ave	3.418	3.432		50.2	50.0	0.4	20.0
2,2-Dichloropropane	Ave	1.347	1.174		21.8	25.0	-12.9	20.0
cis-1,2-Dichloroethene	Ave	1.520	1.515	0.1000	24.9	25.0	-0.3	20.0
2-Butanone (MEK)	Ave	1.148	1.246	0.1000	136	125	8.5	20.0
Chlorobromomethane	Ave	0.7544	0.7828		25.9	25.0	3.8	20.0
Chloroform	Ave	2.612	2.439	0.2000	23.3	25.0	-6.6	20.0
Tetrahydrofuran	Ave	0.7936	0.7974		50.2	50.0	0.5	20.0
1,1,1-Trichloroethane	Ave	2.016	1.852	0.1000	23.0	25.0	-8.1	20.0
Cyclohexane	Ave	2.460	2.078	0.1000	21.1	25.0	-15.5	20.0
1,1-Dichloropropene	Ave	1.948	1.869		24.0	25.0	-4.0	20.0
Carbon tetrachloride	Ave	1.802	1.726	0.1000	23.9	25.0	-4.3	20.0
Isobutyl alcohol	Ave	0.1082	0.1350		780	625	24.8	50.0
Benzene	Ave	5.456	5.380	0.5000	24.7	25.0	-1.4	20.0
1,2-Dichloroethane	Ave	2.185	2.145	0.1000	24.5	25.0	-1.8	20.0
n-Heptane	Ave	2.322	1.927		20.7	25.0	-17.0	20.0
Trichloroethene	Ave	1.477	1.426	0.2000	24.1	25.0	-3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726463/4 Calibration Date: 09/28/2024 03:31

Instrument ID: HP5977L Calib Start Date: 09/24/2024 21:32

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 09/25/2024 00:23

Lab File ID: L8918.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.549	2.297	0.1000	22.5	25.0	-9.9	20.0
1,2-Dichloropropane	Ave	1.415	1.394	0.1000	24.6	25.0	-1.5	20.0
Dibromomethane	Ave	0.9861	1.000	0.1000	25.4	25.0	1.4	20.0
1,4-Dioxane	Ave	0.0039	0.0038		492	500	-1.7	50.0
Bromodichloromethane	Ave	1.837	1.826	0.2000	24.9	25.0	-0.6	20.0
2-Chloroethyl vinyl ether	Ave	1.131	1.182		26.1	25.0	4.6	20.0
cis-1,3-Dichloropropene	Ave	2.364	2.317	0.2000	24.5	25.0	-2.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6045	0.6509	0.1000	135	125	7.7	20.0
Toluene	Ave	0.9440	0.9231	0.4000	24.4	25.0	-2.2	20.0
trans-1,3-Dichloropropene	Ave	0.5703	0.5913	0.1000	25.9	25.0	3.7	20.0
Ethyl methacrylate	Ave	0.6054	0.6421		26.5	25.0	6.1	20.0
1,1,2-Trichloroethane	Ave	0.2968	0.3105	0.1000	26.1	25.0	4.6	20.0
Tetrachloroethene	Ave	0.3733	0.3679	0.2000	24.6	25.0	-1.5	20.0
1,3-Dichloropropane	Ave	0.6232	0.6507		26.1	25.0	4.4	20.0
2-Hexanone	Ave	0.4520	0.5104	0.1000	141	125	12.9	20.0
Dibromochloromethane	Ave	0.3747	0.3966	0.1000	26.5	25.0	5.8	20.0
1,2-Dibromoethane	Ave	0.3898	0.4149		26.6	25.0	6.4	20.0
Chlorobenzene	Ave	1.041	1.010	0.5000	24.3	25.0	-2.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3617	0.3719		25.7	25.0	2.8	20.0
Ethylbenzene	Ave	1.772	1.748	0.1000	24.7	25.0	-1.3	20.0
m,p-Xylene	Ave	0.6878	0.6736	0.1000	24.5	25.0	-2.1	20.0
o-Xylene	Ave	0.6699	0.6681	0.3000	24.9	25.0	-0.3	20.0
Styrene	Ave	1.113	1.123	0.3000	25.2	25.0	0.9	20.0
Bromoform	Ave	0.2489	0.2829	0.1000	28.4	25.0	13.7	50.0
Isopropylbenzene	Ave	3.067	2.859	0.1000	23.3	25.0	-6.8	20.0
1,1,2,2-Tetrachloroethane	Ave	1.071	1.128	0.3000	26.3	25.0	5.3	20.0
Bromobenzene	Ave	0.7887	0.7735		24.5	25.0	-1.9	20.0
1,2,3-Trichloropropane	Ave	0.3698	0.3746		25.3	25.0	1.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3627	0.3180		21.9	25.0	-12.3	50.0
N-Propylbenzene	Ave	3.960	3.807		24.0	25.0	-3.9	20.0
2-Chlorotoluene	Ave	0.7695	0.7328		23.8	25.0	-4.8	20.0
1,3,5-Trimethylbenzene	Ave	2.779	2.642		23.8	25.0	-4.9	20.0
4-Chlorotoluene	Ave	2.603	2.404		23.1	25.0	-7.6	20.0
tert-Butylbenzene	Ave	0.6056	0.5909		24.4	25.0	-2.4	20.0
1,2,4-Trimethylbenzene	Ave	2.889	2.750		23.8	25.0	-4.8	20.0
sec-Butylbenzene	Ave	3.668	3.487		23.8	25.0	-4.9	20.0
4-Isopropyltoluene	Ave	3.109	2.973		23.9	25.0	-4.4	20.0
1,3-Dichlorobenzene	Ave	1.541	1.501	0.6000	24.3	25.0	-2.6	20.0
1,4-Dichlorobenzene	Ave	1.591	1.541	0.5000	24.2	25.0	-3.1	20.0
n-Butylbenzene	Ave	2.893	2.774		24.0	25.0	-4.1	20.0
1,2-Dichlorobenzene	Ave	1.513	1.477	0.4000	24.4	25.0	-2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCVIS 480-726463/4 Calibration Date: 09/28/2024 03:31

Instrument ID: HP5977L Calib Start Date: 09/24/2024 21:32

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 09/25/2024 00:23

Lab File ID: L8918.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2776	0.2900	0.0500	26.1	25.0	4.4	50.0
1,2,4-Trichlorobenzene	Ave	1.037	1.067	0.2000	25.7	25.0	2.9	20.0
Hexachlorobutadiene	Ave	0.3598	0.3627		25.2	25.0	0.8	20.0
Naphthalene	Ave	3.614	3.683		25.5	25.0	1.9	20.0
1,2,3-Trichlorobenzene	Ave	0.9901	1.060		26.8	25.0	7.0	20.0
Dibromofluoromethane (Surr)	Ave	1.301	1.313		25.2	25.0	0.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.670	1.677		25.1	25.0	0.5	20.0
Toluene-d8 (Surr)	Ave	1.280	1.325		25.9	25.0	3.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3655	0.3920		26.8	25.0	7.3	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8918.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Sep-2024 03:31:48 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0120267-004
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 12:33:26 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: MHM2 Date: 30-Sep-2024 12:33:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.664	5.664	0.000	99	135320	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.532	8.532	0.000	88	514098	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	287608	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	177655	25.0	25.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	98	226977	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	681062	25.0	25.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.767	0.000	96	201521	25.0	26.8	
10 Dichlorodifluoromethane	85	1.738	1.738	0.000	99	207178	25.0	23.0	
13 Chloromethane	50	1.957	1.957	0.000	99	226066	25.0	23.0	
14 Vinyl chloride	62	2.059	2.059	0.000	97	188966	25.0	23.4	
15 Butadiene	54	2.092	2.092	0.000	93	178843	25.0	25.9	
18 Bromomethane	94	2.410	2.410	0.000	92	140567	25.0	23.6	
19 Chloroethane	64	2.513	2.513	0.000	99	132226	25.0	24.2	a
20 Dichlorofluoromethane	67	2.699	2.699	0.000	97	354825	25.0	25.6	
21 Trichlorofluoromethane	101	2.725	2.725	0.000	98	283188	25.0	26.2	
26 Ethyl ether	59	2.998	2.998	0.000	92	177943	25.0	24.2	
28 Acrolein	56	3.137	3.137	0.000	99	148402	125.0	118.0	
30 1,1-Dichloroethene	96	3.198	3.198	0.000	97	173154	25.0	23.6	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.201	3.201	0.000	83	153775	25.0	23.3	
31 Acetone	43	3.288	3.288	0.000	99	521246	125.0	139.3	
33 Iodomethane	142	3.358	3.358	0.000	99	290230	25.0	26.5	
35 Carbon disulfide	76	3.416	3.416	0.000	100	550172	25.0	24.3	
37 3-Chloro-1-propene	41	3.510	3.510	0.000	87	276995	25.0	23.6	
38 Methyl acetate	43	3.551	3.551	0.000	98	475641	50.0	52.2	
39 Methylene Chloride	84	3.632	3.632	0.000	94	192080	25.0	24.1	
40 2-Methyl-2-propanol	59	3.783	3.783	0.000	99	482302	250.0	304.2	
42 trans-1,2-Dichloroethene	96	3.847	3.847	0.000	98	187538	25.0	24.0	
44 Acrylonitrile	53	3.854	3.854	0.000	99	1160667	250.0	256.9	
41 Methyl tert-butyl ether	73	3.863	3.863	0.000	97	622625	25.0	25.1	
47 Hexane	57	4.037	4.037	0.000	94	257386	25.0	20.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.204	4.204	0.000	96	329141	25.0	24.1	
49 Vinyl acetate	43	4.239	4.239	0.000	97	928960	50.0	50.2	
56 2,2-Dichloropropane	77	4.683	4.683	0.000	89	158829	25.0	21.8	
58 cis-1,2-Dichloroethene	96	4.702	4.702	0.000	81	204985	25.0	24.9	
57 2-Butanone (MEK)	43	4.728	4.728	0.000	100	842870	125.0	135.6	
60 Chlorobromomethane	128	4.908	4.908	0.000	94	105932	25.0	25.9	
62 Chloroform	83	4.960	4.960	0.000	93	330094	25.0	23.3	
61 Tetrahydrofuran	42	4.992	4.992	0.000	87	215807	50.0	50.2	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	98	250670	25.0	23.0	
65 Cyclohexane	56	5.153	5.153	0.000	91	281163	25.0	21.1	
67 1,1-Dichloropropene	75	5.246	5.246	0.000	94	252912	25.0	24.0	
66 Carbon tetrachloride	117	5.255	5.255	0.000	96	233498	25.0	23.9	
69 Isobutyl alcohol	43	5.378	5.378	0.000	93	456758	625.0	779.8	
70 Benzene	78	5.432	5.432	0.000	96	728013	25.0	24.7	
72 1,2-Dichloroethane	62	5.458	5.458	0.000	97	290326	25.0	24.5	
73 n-Heptane	43	5.583	5.583	0.000	90	260700	25.0	20.7	
75 Trichloroethene	95	5.985	5.985	0.000	97	192905	25.0	24.1	
76 Methylcyclohexane	83	6.137	6.137	0.000	91	310822	25.0	22.5	
77 1,2-Dichloropropane	63	6.194	6.194	0.000	95	188657	25.0	24.6	
82 Dibromomethane	93	6.323	6.323	0.000	96	135367	25.0	25.4	
81 1,4-Dioxane	88	6.358	6.358	0.000	94	39319	500.0	491.7	
83 Dichlorobromomethane	83	6.445	6.445	0.000	98	247096	25.0	24.9	
84 2-Chloroethyl vinyl ether	63	6.686	6.686	0.000	93	160013	25.0	26.1	
85 cis-1,3-Dichloropropene	75	6.844	6.844	0.000	94	313598	25.0	24.5	
87 4-Methyl-2-pentanone (MIBK)	43	6.979	6.979	0.000	97	1673097	125.0	134.6	
88 Toluene	92	7.153	7.153	0.000	98	474575	25.0	24.4	
91 trans-1,3-Dichloropropene	75	7.365	7.365	0.000	94	303982	25.0	25.9	
90 Ethyl methacrylate	69	7.419	7.419	0.000	92	330106	25.0	26.5	
93 1,1,2-Trichloroethane	83	7.554	7.554	0.000	93	159610	25.0	26.1	
94 Tetrachloroethene	166	7.690	7.690	0.000	93	189130	25.0	24.6	
95 1,3-Dichloropropane	76	7.718	7.718	0.000	94	334527	25.0	26.1	
96 2-Hexanone	43	7.783	7.783	0.000	96	1311893	125.0	141.1	
98 Chlorodibromomethane	129	7.963	7.963	0.000	90	203896	25.0	26.5	
101 Ethylene Dibromide	107	8.085	8.085	0.000	98	213293	25.0	26.6	
103 Chlorobenzene	112	8.561	8.561	0.000	94	519368	25.0	24.3	
105 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	95	191173	25.0	25.7	
104 Ethylbenzene	91	8.641	8.641	0.000	99	898657	25.0	24.7	
106 m-Xylene & p-Xylene	106	8.760	8.760	0.000	100	346281	25.0	24.5	
107 o-Xylene	106	9.188	9.188	0.000	97	343478	25.0	24.9	
109 Styrene	104	9.204	9.204	0.000	95	577408	25.0	25.2	
110 Bromoform	173	9.448	9.448	0.000	94	145442	25.0	28.4	
111 Isopropylbenzene	105	9.561	9.561	0.000	96	822397	25.0	23.3	
112 1,1,2,2-Tetrachloroethane	83	9.921	9.921	0.000	95	324352	25.0	26.3	
113 Bromobenzene	156	9.940	9.940	0.000	96	222466	25.0	24.5	
116 1,2,3-Trichloropropane	110	9.972	9.972	0.000	82	107732	25.0	25.3	
115 trans-1,4-Dichloro-2-butene	53	9.976	9.976	0.000	69	91465	25.0	21.9	
114 N-Propylbenzene	91	10.008	10.008	0.000	99	1094862	25.0	24.0	
117 2-Chlorotoluene	126	10.130	10.130	0.000	96	210771	25.0	23.8	
118 1,3,5-Trimethylbenzene	105	10.185	10.185	0.000	94	759917	25.0	23.8	
119 4-Chlorotoluene	91	10.236	10.236	0.000	98	691423	25.0	23.1	
120 tert-Butylbenzene	134	10.516	10.516	0.000	93	169950	25.0	24.4	
121 1,2,4-Trimethylbenzene	105	10.570	10.570	0.000	97	791014	25.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	10.731	10.731	0.000	95	1002945	25.0	23.8	
123 4-Isopropyltoluene	119	10.863	10.863	0.000	97	855102	25.0	23.9	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	96	431572	25.0	24.3	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	93	443329	25.0	24.2	
127 n-Butylbenzene	91	11.246	11.246	0.000	98	797794	25.0	24.0	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	96	424700	25.0	24.4	
129 1,2-Dibromo-3-Chloropropane	75	11.988	11.988	0.000	81	83397	25.0	26.1	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	95	306756	25.0	25.7	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	96	104302	25.0	25.2	
132 Naphthalene	128	12.847	12.847	0.000	98	1059342	25.0	25.5	
133 1,2,3-Trichlorobenzene	180	13.046	13.046	0.000	95	304744	25.0	26.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

8260 CORP mix_00259	Amount Added: 12.50	Units: uL	
GAS CORP mix_00642	Amount Added: 12.50	Units: uL	
L_8260_IS_00059	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 30-Sep-2024 12:33:27 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8918.D

Injection Date: 28-Sep-2024 03:31:48 Instrument ID: HP5977L

Lims ID: CCVIS

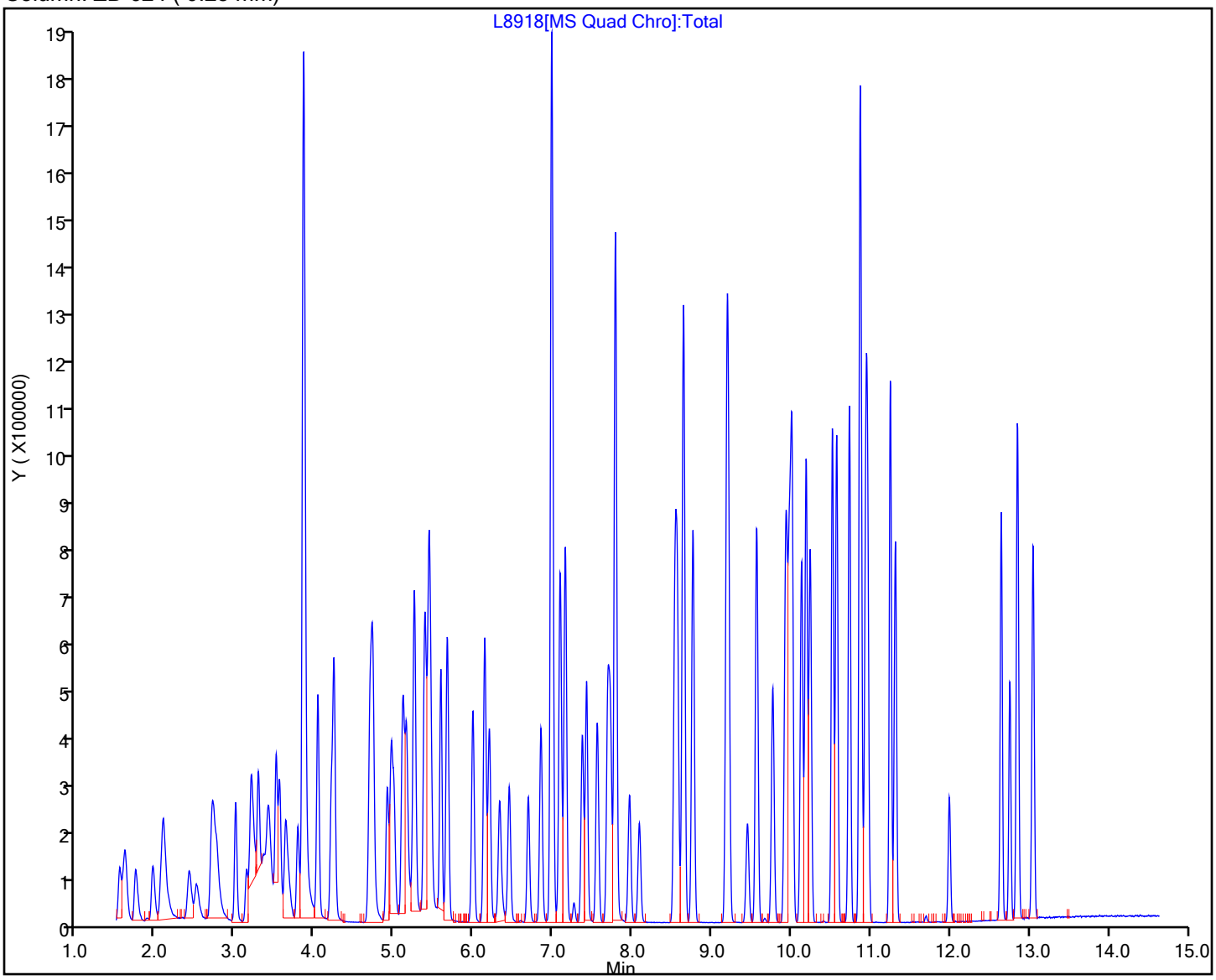
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 4

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

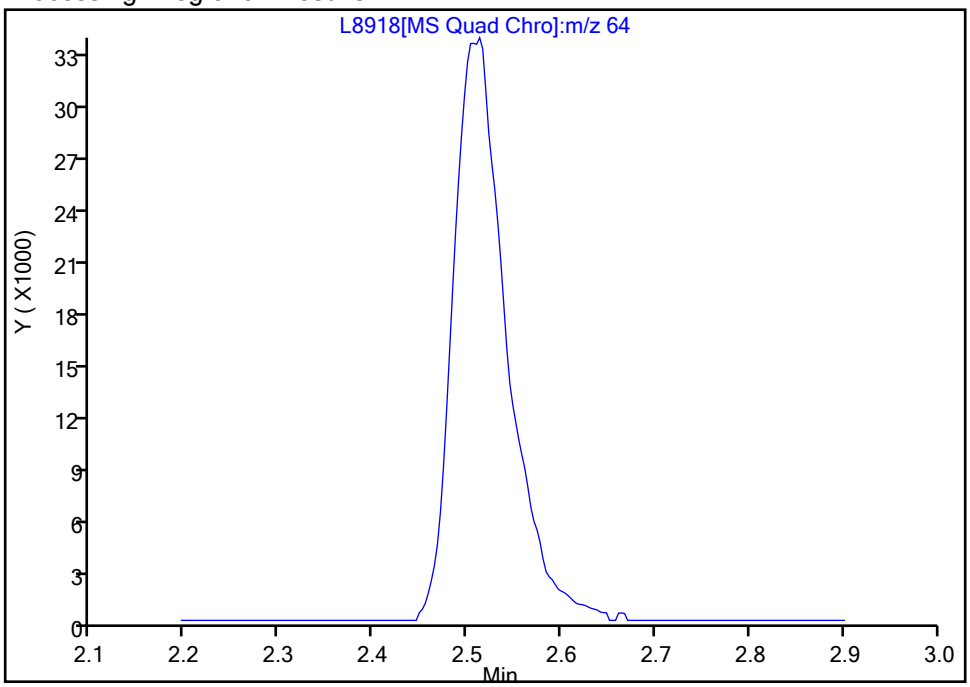
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8918.D
Injection Date: 28-Sep-2024 03:31:48 Instrument ID: HP5977L
Lims ID: CCVIS
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

19 Chloroethane, CAS: 75-00-3

Signal: 1

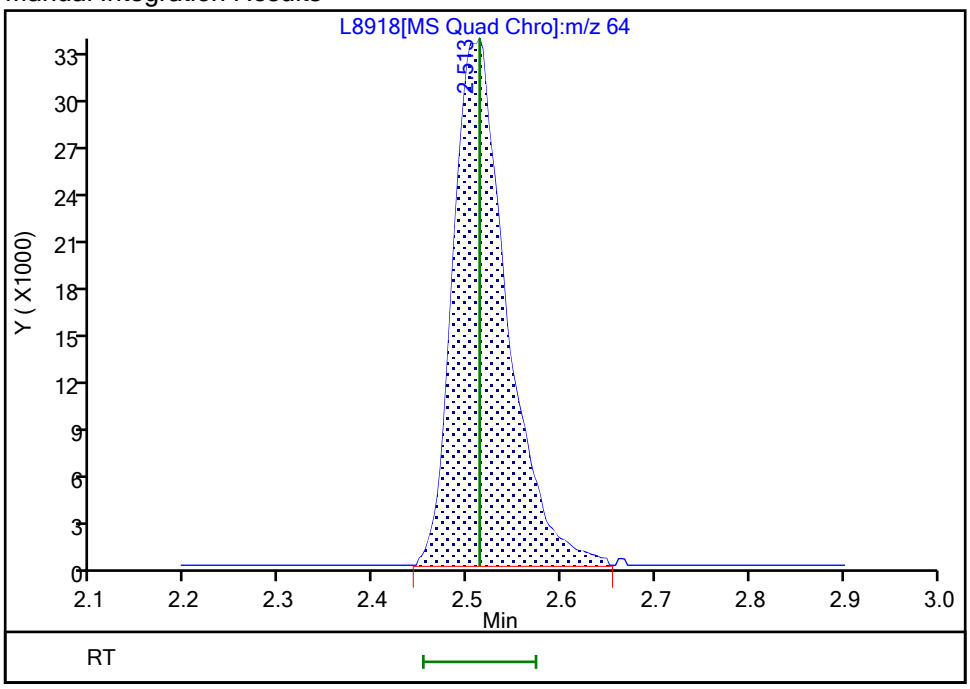
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.51
Area: 132226
Amount: 24.159737
Amount Units: ug/L



Reviewer: MHM2, 30-Sep-2024 12:32:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1891.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 09-Sep-2024 16:37:30 ALS Bottle#: 5 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0119920-011
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2024 10:35:31 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: QR3Z Date: 09-Sep-2024 16:50:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.157	3.157	0.000	0	148767	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

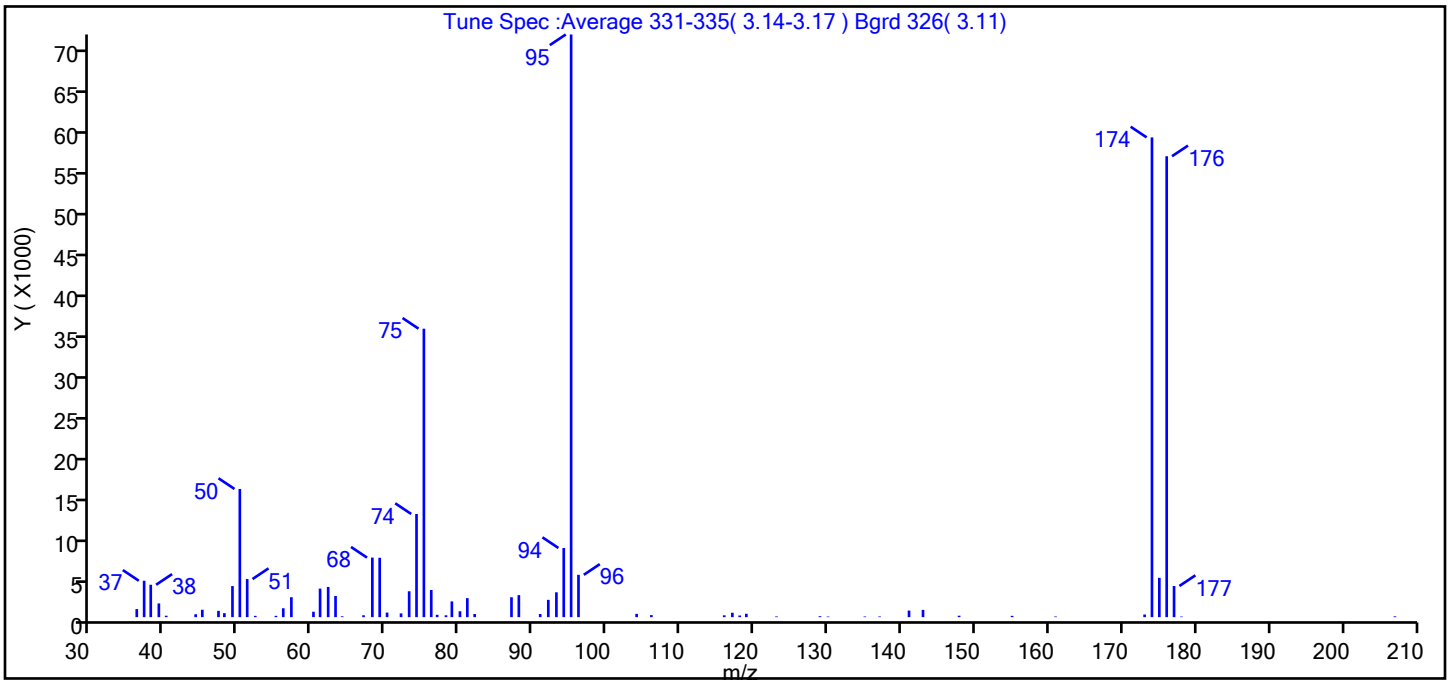
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1891.d
Injection Date: 09-Sep-2024 16:37:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: ZN ALS Bottle#: 5 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.0
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	82.3
175	5 to 9% of m/z 174	6.7 (8.2)
176	Greater than 95% but less than 101% of m/z 174	79.1 (96.1)
177	5 to 9% of m/z 176	5.3 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1891.d\S-8260.rslt\spectra.d
Injection Date: 09-Sep-2024 16:37:30
Spectrum: Tune Spec :Average 331-335(3.14-3.17) Bgrd 326(3.11)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	986	61.00	3484	81.00	2325	129.00	114
37.00	4447	62.00	3686	82.00	382	130.00	71
38.00	3955	63.00	2578	87.00	2430	135.00	78
39.00	1675	64.00	99	88.00	2689	137.00	82
40.00	174	67.00	230	91.00	378	141.00	804
44.00	354	68.00	7272	92.00	2114	143.00	885
45.00	902	69.00	7252	93.00	3036	148.00	174
47.00	769	70.00	557	94.00	8446	155.00	159
48.00	487	72.00	458	95.00	71168	161.00	79
49.00	3796	73.00	3159	96.00	5171	173.00	320
50.00	15658	74.00	12603	104.00	401	174.00	58600
51.00	4655	75.00	35232	106.00	247	175.00	4799
52.00	157	76.00	3319	116.00	222	176.00	56296
55.00	160	77.00	288	117.00	532	177.00	3804
56.00	1086	78.00	226	118.00	200	178.00	71
57.00	2436	79.00	1925	119.00	412	207.00	100
60.00	658	80.00	720	123.00	86		

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2391.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Sep-2024 10:51:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120183-003
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2024 11:00:30 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: QR3Z Date: 24-Sep-2024 11:00:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.157	3.157	0.000	0	168013	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

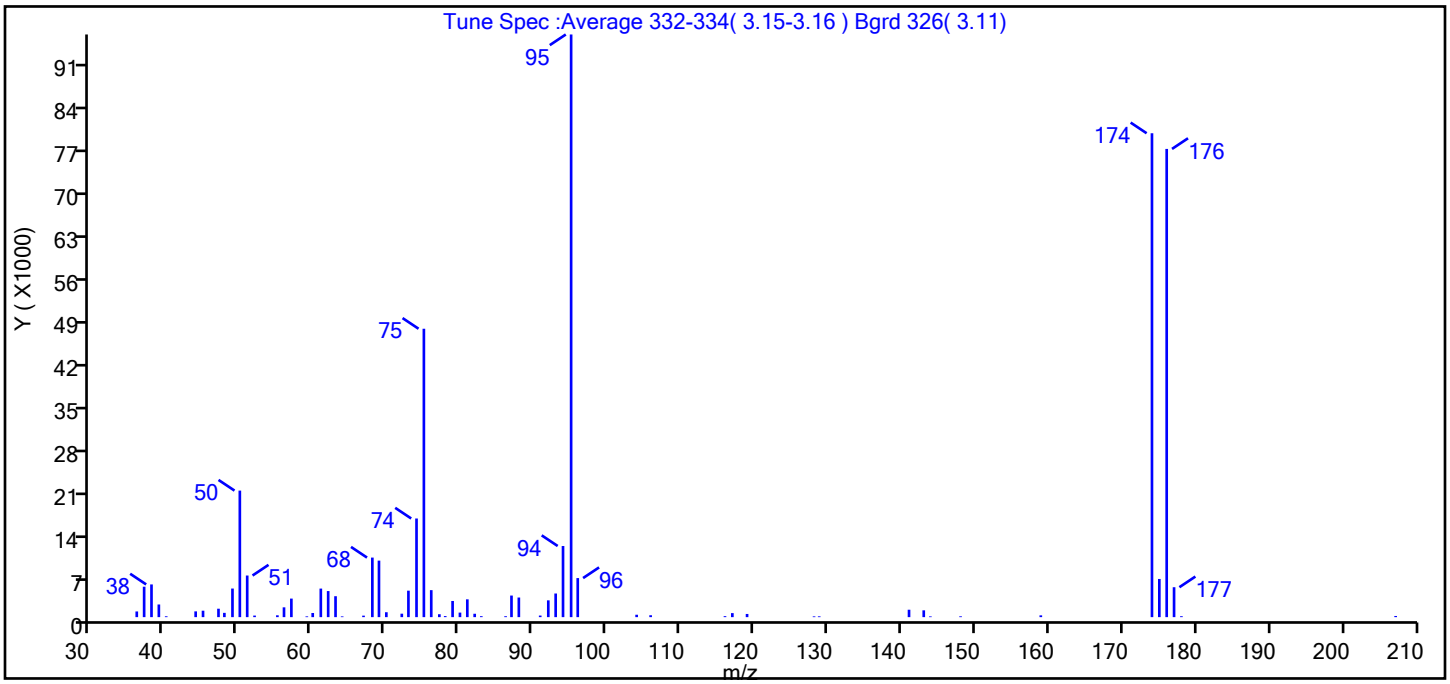
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2391.d
Injection Date: 24-Sep-2024 10:51:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: ZN ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.7
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	83.0
175	5 to 9% of m/z 174	6.6 (7.9)
176	Greater than 95% but less than 101% of m/z 174	80.4 (96.8)
177	5 to 9% of m/z 176	5.1 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2391.d\S-8260.rslt\spectra.d
Injection Date: 24-Sep-2024 10:51:30
Spectrum: Tune Spec :Average 332-334(3.15-3.16) Bgrd 326(3.11)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	930	60.00	677	80.00	743	119.00	520
37.00	4973	61.00	4665	81.00	2910	128.00	123
38.00	5345	62.00	4260	82.00	554	129.00	130
39.00	2068	63.00	3420	83.00	154	141.00	1211
40.00	141	64.00	121	86.00	150	143.00	1113
44.00	942	67.00	245	87.00	3527	144.00	118
45.00	1053	68.00	9730	88.00	3205	148.00	133
47.00	1377	69.00	9233	91.00	258	159.00	293
48.00	700	70.00	803	92.00	2744	174.00	79048
49.00	4672	72.00	565	93.00	3862	175.00	6235
50.00	20672	73.00	4324	94.00	11619	176.00	76488
51.00	6800	74.00	16115	95.00	95184	177.00	4889
52.00	257	75.00	47112	96.00	6383	178.00	149
55.00	302	76.00	4411	104.00	393	207.00	190
56.00	1603	77.00	477	106.00	311		
57.00	3031	78.00	174	116.00	161		
59.00	126	79.00	2639	117.00	659		

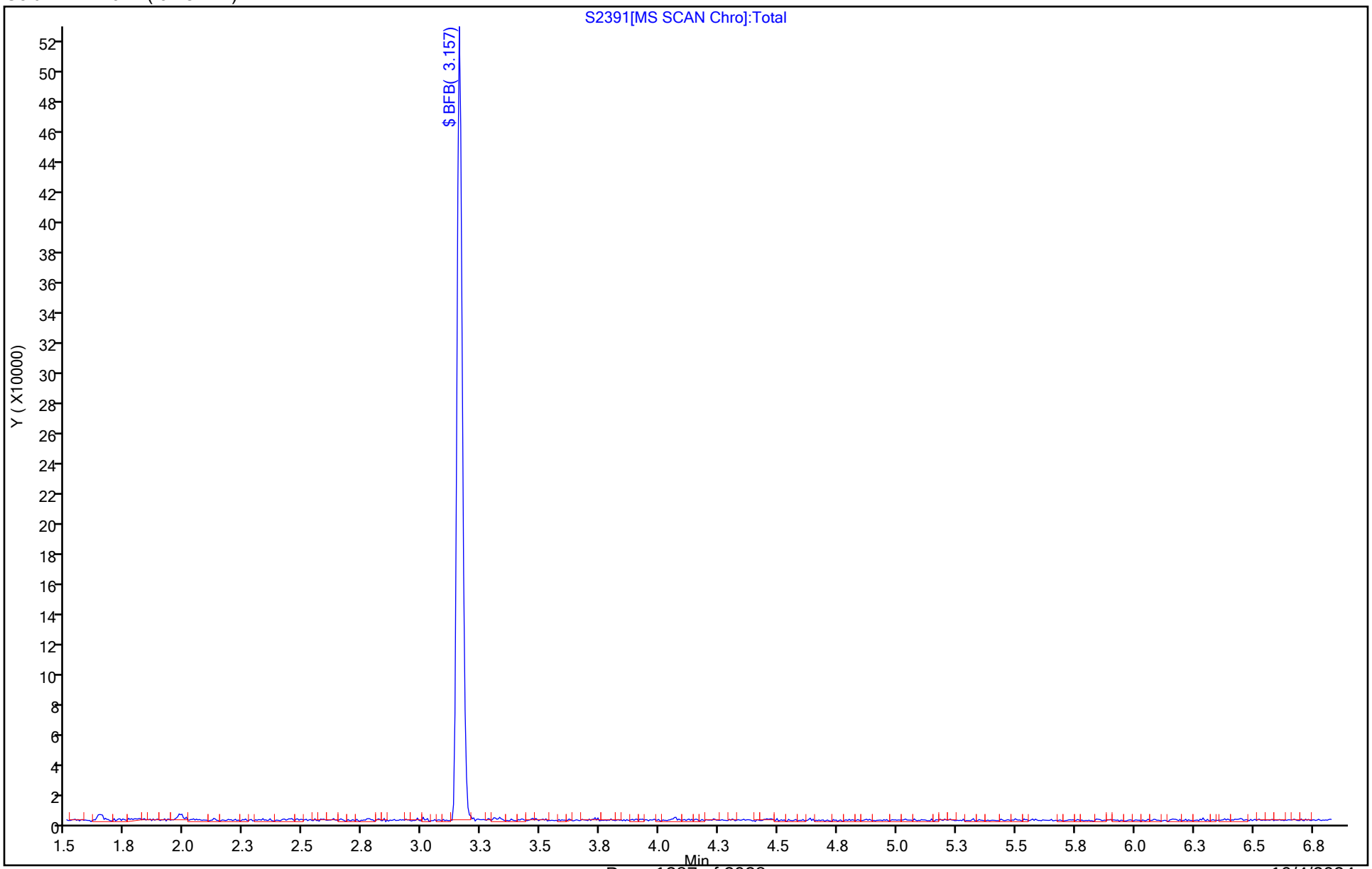
Report Date: 24-Sep-2024 11:00:31 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2391.d

Injection Date:	24-Sep-2024 10:51:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2502.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 27-Sep-2024 10:14:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120249-003
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:21:13 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: QR3Z Date: 27-Sep-2024 10:24:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.157	3.157	0.000	0	176400	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

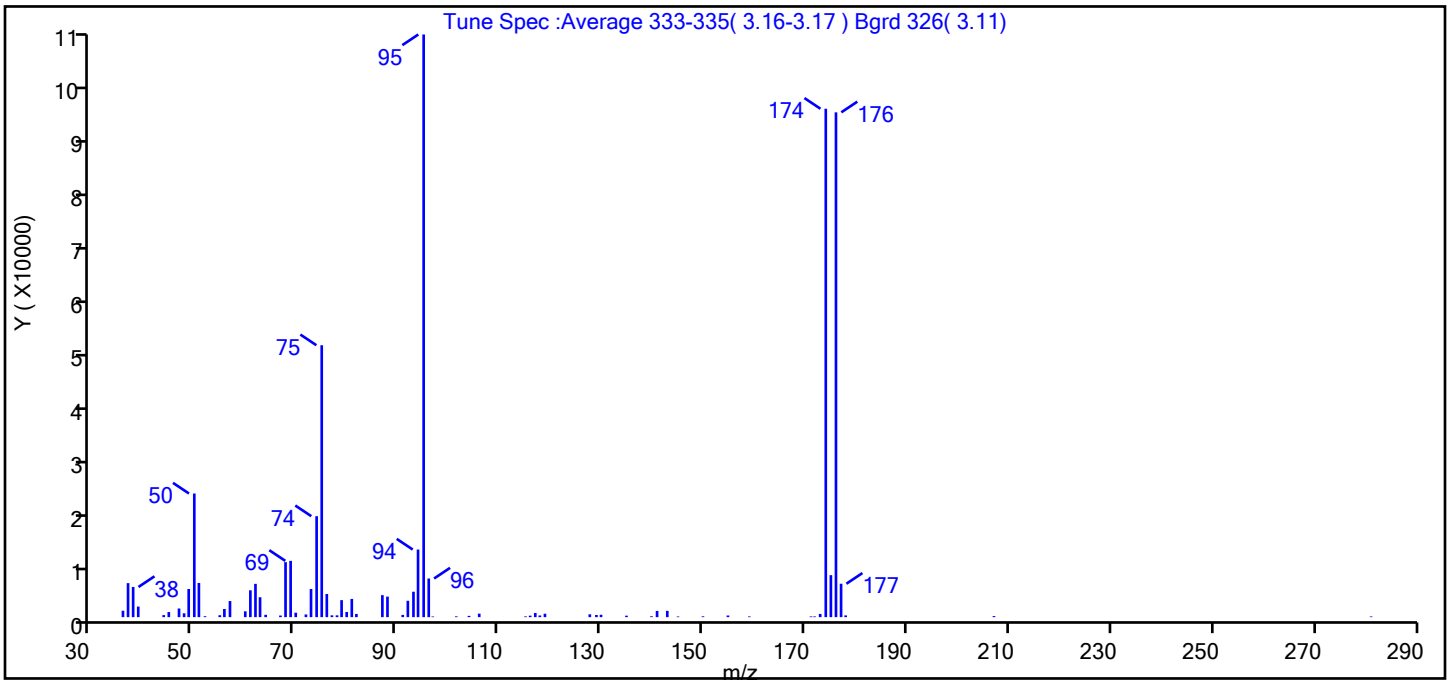
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2502.d
Injection Date: 27-Sep-2024 10:14:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: ZN ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.2
75	30 to 60% of m/z 95	46.7
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	87.3
175	5 to 9% of m/z 174	7.2 (8.3)
176	Greater than 95% but less than 101% of m/z 174	86.6 (99.3)
177	5 to 9% of m/z 176	5.7 (6.6)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2502.d\S-8260.rslt\spectra.d
Injection Date: 27-Sep-2024 10:14:30
Spectrum: Tune Spec :Average 333-335(3.16-3.17) Bgrd 326(3.11)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1149	64.00	415	92.00	2930	141.00	1112
37.00	6091	67.00	288	93.00	4550	143.00	1126
38.00	5398	68.00	9844	94.00	12100	145.00	121
39.00	1894	69.00	10072	95.00	104296	150.00	145
44.00	366	70.00	794	96.00	6914	155.00	292
45.00	910	72.00	480	97.00	116	159.00	129
47.00	1547	73.00	5036	102.00	145	171.00	130
48.00	688	74.00	18072	104.00	227	172.00	125
49.00	5037	75.00	48672	106.00	627	173.00	570
50.00	22128	76.00	4146	115.00	132	174.00	91000
51.00	6117	77.00	324	116.00	264	175.00	7514
52.00	165	78.00	325	117.00	746	176.00	90360
55.00	344	79.00	3045	118.00	297	177.00	5980
56.00	1461	80.00	926	119.00	612	178.00	311
57.00	2881	81.00	3261	128.00	507	207.00	193
60.00	1041	82.00	574	129.00	383	281.00	124
61.00	4804	87.00	3937	130.00	426		
62.00	5957	88.00	3673	135.00	264		
63.00	3562	91.00	400	140.00	156		

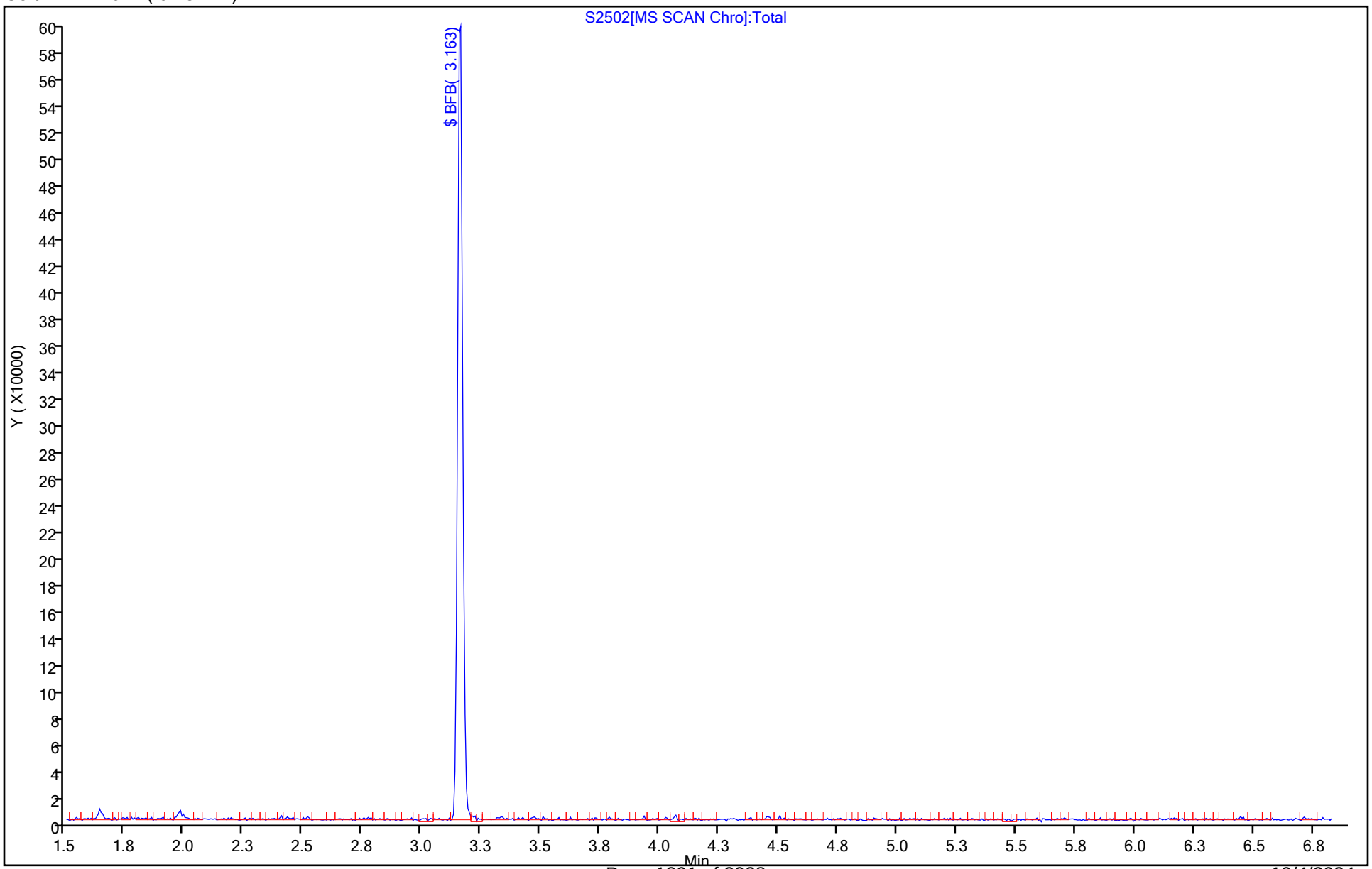
Report Date: 30-Sep-2024 09:21:13 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2502.d

Injection Date:	27-Sep-2024 10:14:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6832.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Sep-2024 14:41:30 ALS Bottle#: 20 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120124-011
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Sep-2024 12:00:28 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: WLL8 Date: 19-Sep-2024 14:50:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.879	3.879	0.000	0	144666	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

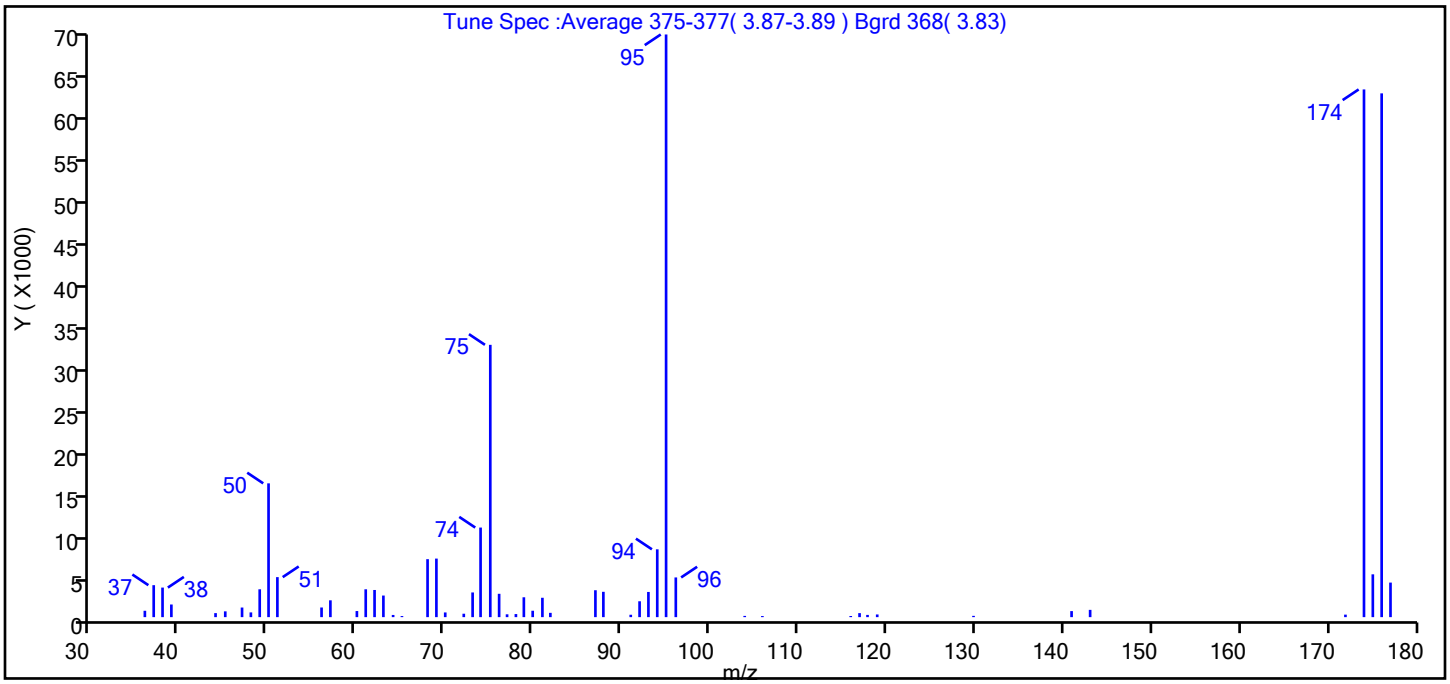
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6832.d
Injection Date: 19-Sep-2024 14:41:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 20 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.0
75	30 to 60% of m/z 95	46.7
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.6
175	5 to 9% of m/z 174	7.3 (8.1)
176	Greater than 95% but less than 101% of m/z 174	89.9 (99.3)
177	5 to 9% of m/z 176	5.9 (6.6)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6832.d\D-8260.rslt\spectra.d
Injection Date: 19-Sep-2024 14:41:30
Spectrum: Tune Spec :Average 375-377(3.87-3.89) Bgrd 368(3.83)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	765	61.00	3345	78.00	370	106.00	130
37.00	3839	62.00	3262	79.00	2386	116.00	137
38.00	3550	63.00	2594	80.00	769	117.00	483
39.00	1519	64.00	263	81.00	2327	118.00	269
44.00	484	65.00	131	82.00	517	119.00	321
45.00	695	68.00	6963	87.00	3231	130.00	154
47.00	1155	69.00	7032	88.00	3043	141.00	726
48.00	569	70.00	564	91.00	288	143.00	874
49.00	3345	72.00	411	92.00	1907	172.00	302
50.00	16068	73.00	2965	93.00	3026	174.00	63376
51.00	4806	74.00	10759	94.00	8145	175.00	5142
56.00	1160	75.00	32704	95.00	69976	176.00	62904
57.00	2021	76.00	2804	96.00	4768	177.00	4150
60.00	733	77.00	340	104.00	149		

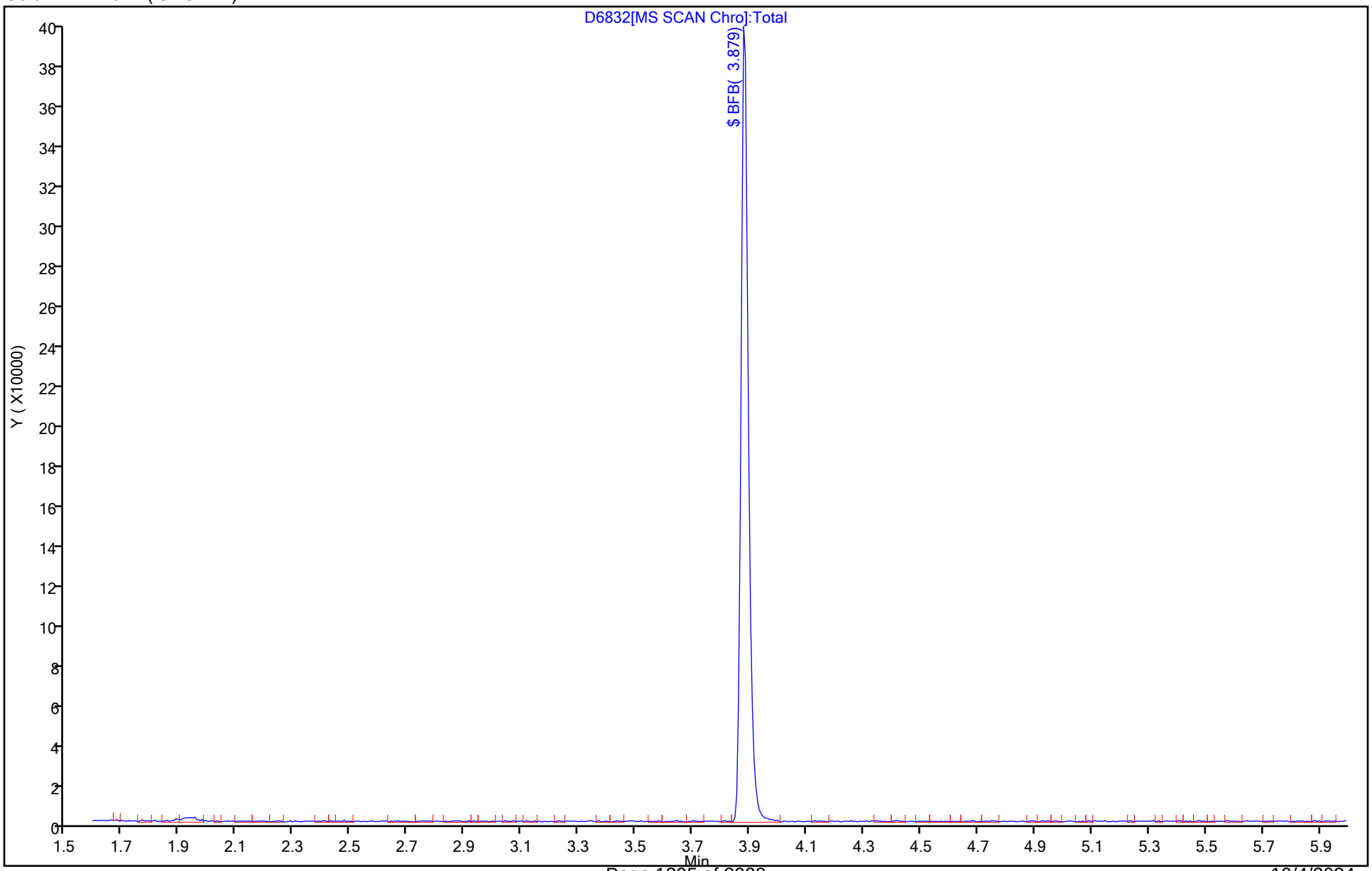
Report Date: 20-Sep-2024 12:00:29 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6832.d

Injection Date:	19-Sep-2024 14:41:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6922.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Sep-2024 09:28:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120181-003
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2024 10:08:02 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: HF3K Date: 24-Sep-2024 10:08:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.910	3.910	0.000	0	107516	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

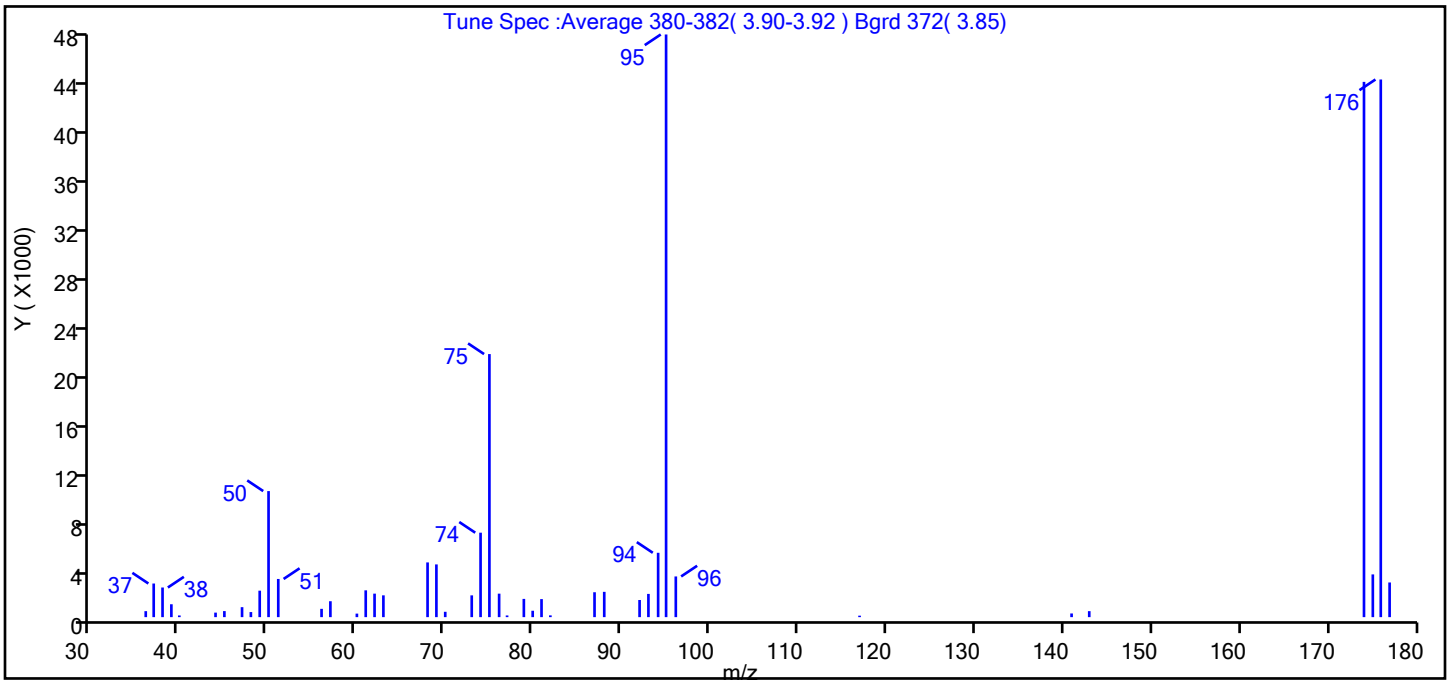
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6922.d
Injection Date: 24-Sep-2024 09:28:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.6
75	30 to 60% of m/z 95	45.1
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	91.9
175	5 to 9% of m/z 174	7.3 (8.0)
176	Greater than 95% but less than 101% of m/z 174	92.3 (100.4)
177	5 to 9% of m/z 176	6.0 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6922.d\D-8260.rslt\spectra.d
Injection Date: 24-Sep-2024 09:28:30
Spectrum: Tune Spec :Average 380-382(3.90-3.92) Bgrd 372(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	483	51.00	3080	74.00	6814	93.00	1875
37.00	2713	56.00	670	75.00	21224	94.00	5192
38.00	2391	57.00	1284	76.00	1895	95.00	47008
39.00	1040	60.00	285	77.00	136	96.00	3283
40.00	136	61.00	2163	79.00	1472	117.00	119
44.00	365	62.00	1896	80.00	516	141.00	297
45.00	488	63.00	1759	81.00	1455	143.00	484
47.00	805	68.00	4415	82.00	143	174.00	43184
48.00	410	69.00	4254	87.00	2009	175.00	3448
49.00	2135	70.00	432	88.00	2041	176.00	43376
50.00	10170	73.00	1757	92.00	1383	177.00	2797

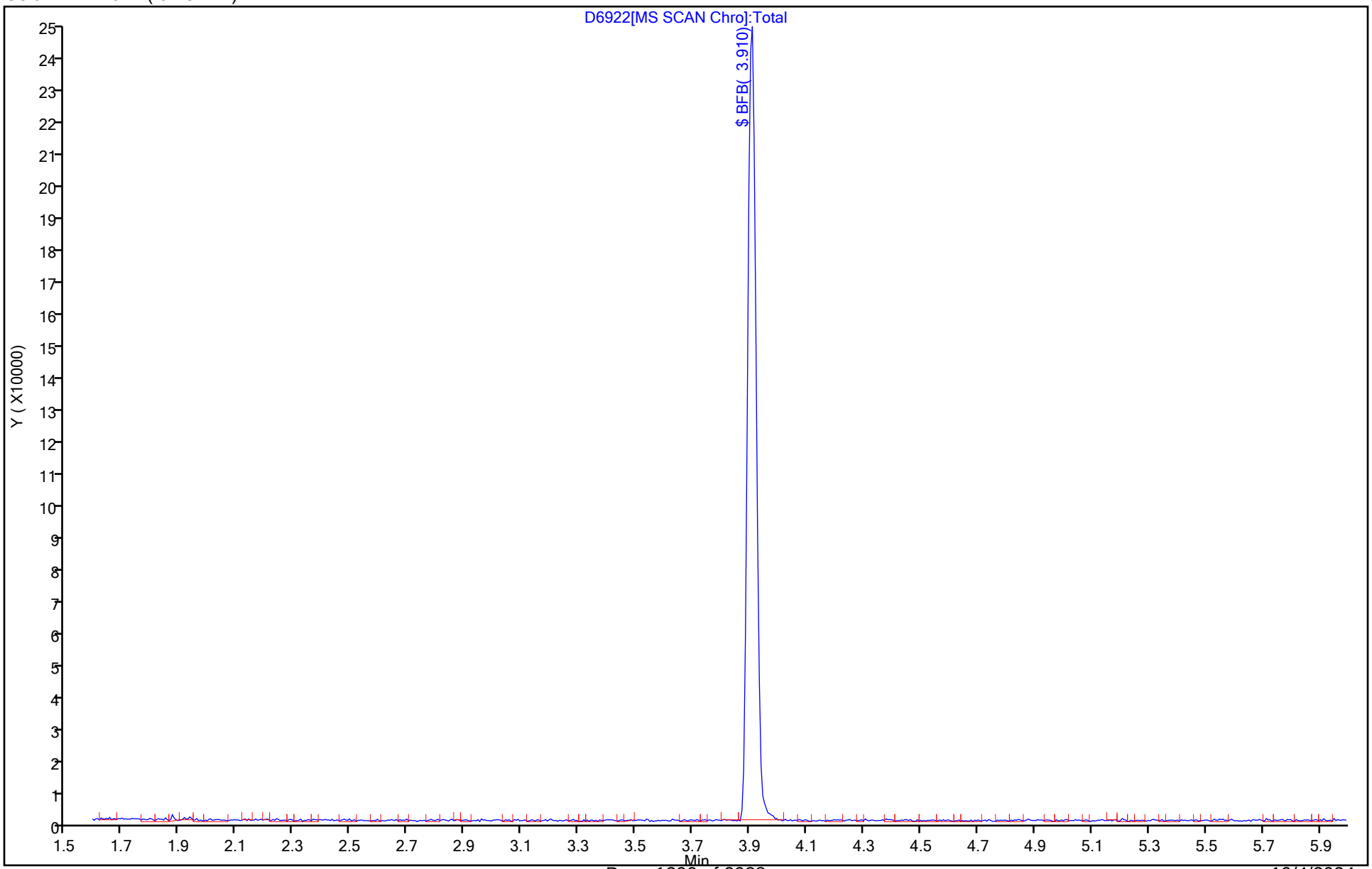
Report Date: 24-Sep-2024 10:08:03 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6922.d

Injection Date:	24-Sep-2024 09:28:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
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Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6983.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Sep-2024 22:38:30 ALS Bottle#: 35 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120223-003
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 11:54:20 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 11:54:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.903	3.903	0.000	0	543627	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

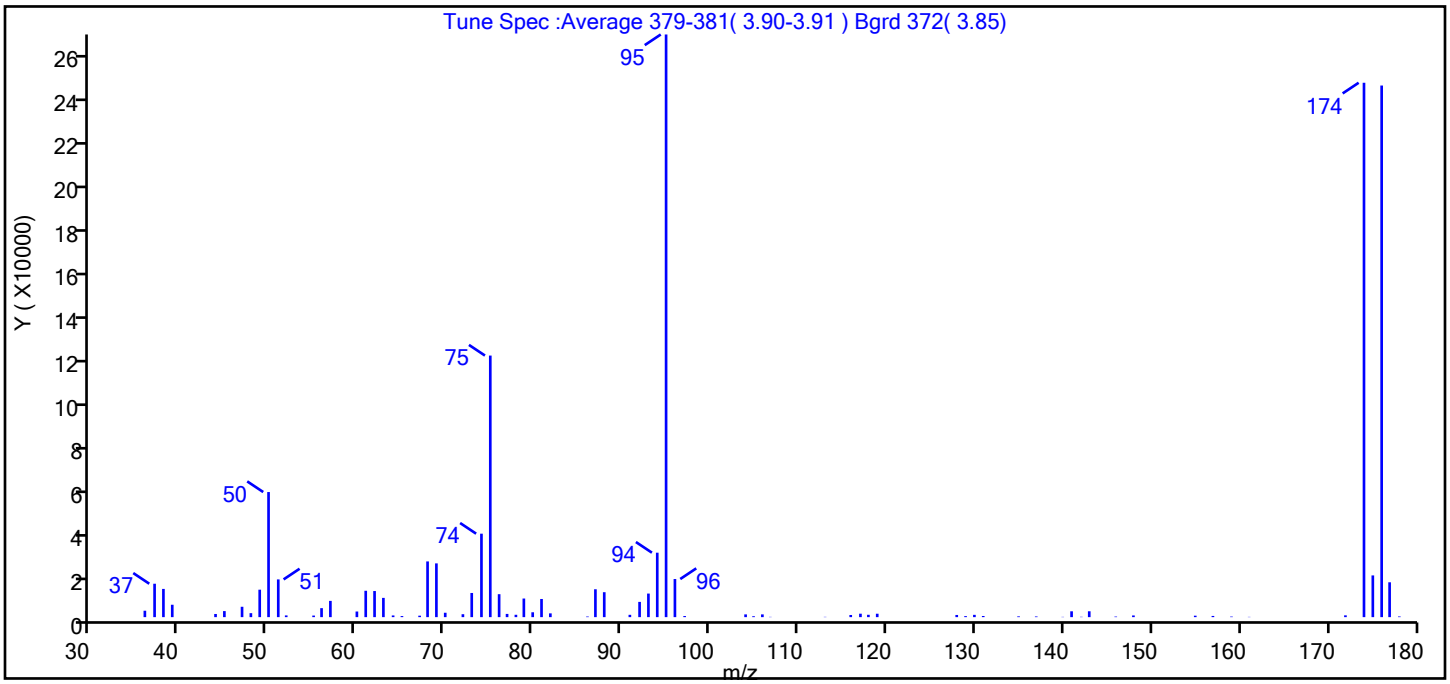
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6983.d
Injection Date: 25-Sep-2024 22:38:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 35 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.5
75	30 to 60% of m/z 95	44.9
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	91.7
175	5 to 9% of m/z 174	7.2 (7.8)
176	Greater than 95% but less than 101% of m/z 174	91.2 (99.5)
177	5 to 9% of m/z 176	6.0 (6.6)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6983.d\D-8260.rslt\spectra.d
Injection Date: 25-Sep-2024 22:38:30
Spectrum: Tune Spec :Average 379-381(3.90-3.91) Bgrd 372(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2960	65.00	497	92.00	7037	137.00	317
37.00	15416	67.00	674	93.00	10879	140.00	123
38.00	13022	68.00	25704	94.00	29736	141.00	2703
39.00	5720	69.00	24800	95.00	268800	142.00	157
44.00	1457	70.00	2027	96.00	17584	143.00	2710
45.00	2791	72.00	1355	97.00	506	146.00	266
47.00	4783	73.00	11150	104.00	1272	148.00	781
48.00	1837	74.00	38504	105.00	418	155.00	669
49.00	12666	75.00	120672	106.00	1275	157.00	553
50.00	57712	76.00	10590	107.00	124	159.00	260
51.00	17408	77.00	1490	113.00	131	161.00	122
52.00	798	78.00	1092	116.00	993	172.00	831
55.00	727	79.00	8588	117.00	1590	174.00	246528
56.00	4150	80.00	2246	118.00	1086	175.00	19248
57.00	7498	81.00	8377	119.00	1578	176.00	245248
60.00	2600	82.00	1744	128.00	1006	177.00	16082
61.00	12165	86.00	284	129.00	473	178.00	311
62.00	12041	87.00	12865	130.00	1061		
63.00	8887	88.00	11505	131.00	523		
64.00	781	91.00	1075	135.00	354		

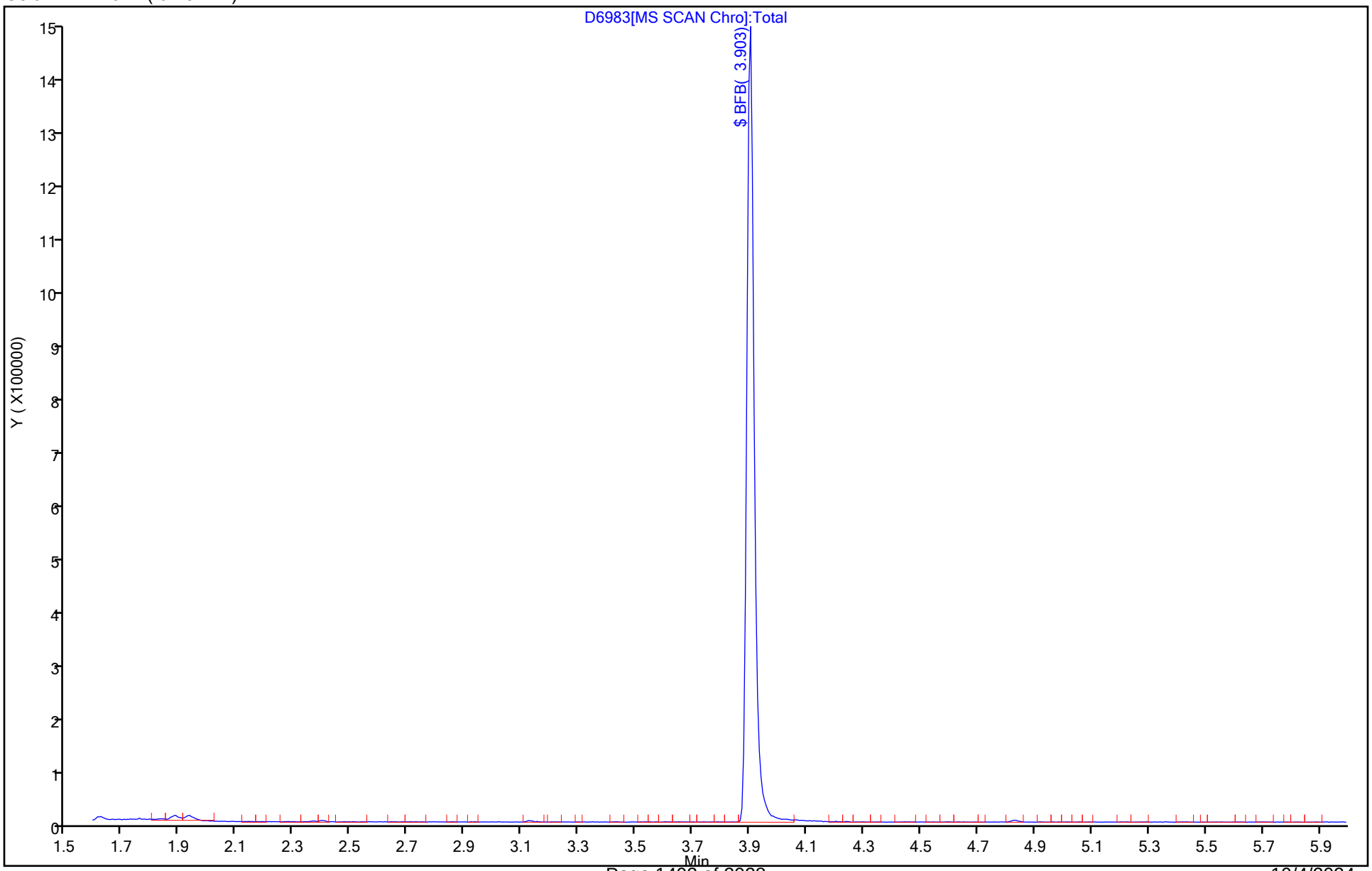
Report Date: 26-Sep-2024 11:54:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6983.d

Injection Date:	25-Sep-2024 22:38:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7039.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 27-Sep-2024 10:06:30 ALS Bottle#: 31 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120250-003
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 10:18:54 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 10:18:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.885	3.885	0.000	0	86996	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

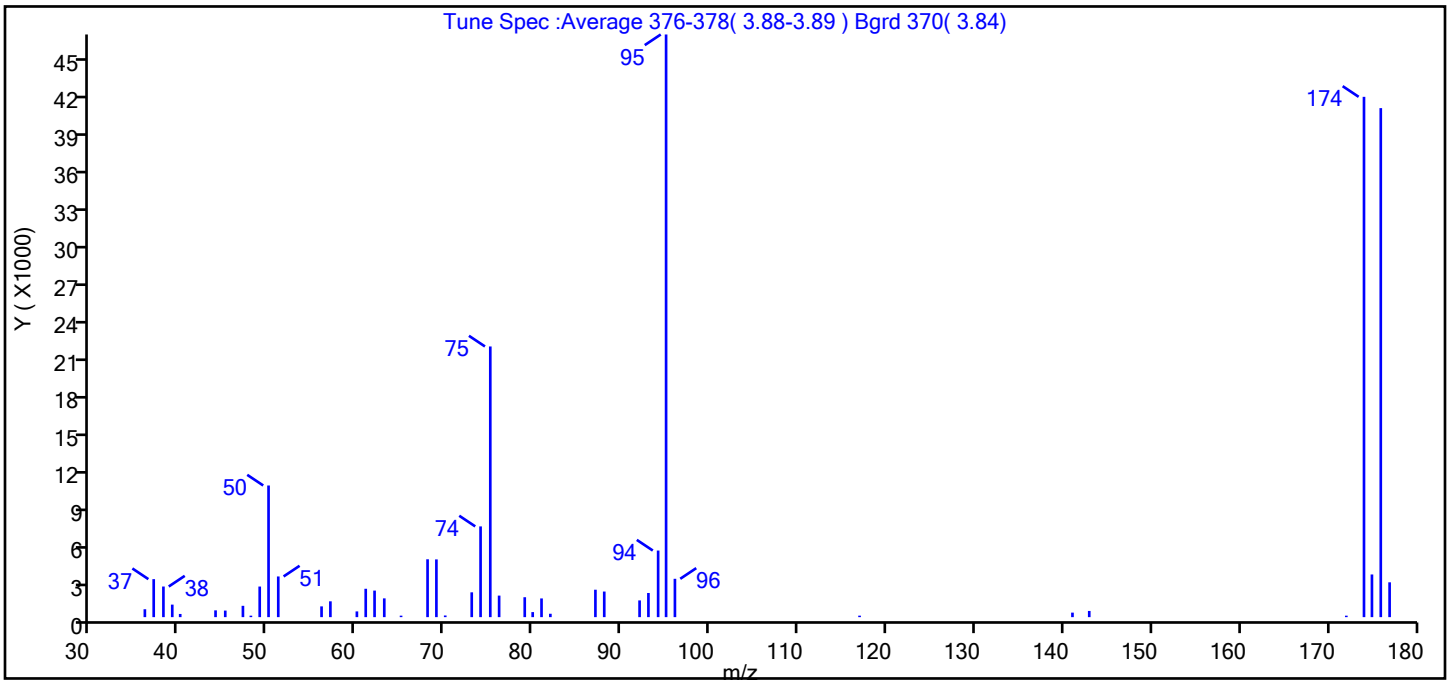
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7039.d
Injection Date: 27-Sep-2024 10:06:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 31 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.6
75	30 to 60% of m/z 95	46.5
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	89.3
175	5 to 9% of m/z 174	7.3 (8.2)
176	Greater than 95% but less than 101% of m/z 174	87.4 (97.8)
177	5 to 9% of m/z 176	6.0 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7039.d\D-8260.rslt\spectra.d
Injection Date: 27-Sep-2024 10:06:30
Spectrum: Tune Spec :Average 376-378(3.88-3.89) Bgrd 370(3.84)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	628	56.00	855	75.00	21496	96.00	3045
37.00	3018	57.00	1257	76.00	1711	117.00	118
38.00	2432	60.00	456	79.00	1582	141.00	359
39.00	995	61.00	2253	80.00	401	143.00	492
40.00	253	62.00	2109	81.00	1486	172.00	117
44.00	539	63.00	1491	82.00	269	174.00	41320
45.00	521	65.00	118	87.00	2178	175.00	3389
47.00	899	68.00	4596	88.00	2033	176.00	40424
48.00	117	69.00	4586	92.00	1329	177.00	2766
49.00	2430	70.00	131	93.00	1918		
50.00	10455	73.00	1971	94.00	5289		
51.00	3231	74.00	7206	95.00	46272		

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4860.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Sep-2024 14:25:09 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120078-011
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2024 11:09:32 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: WLL8 Date: 17-Sep-2024 14:35:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	4.627	4.627	0.000	0	244743	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

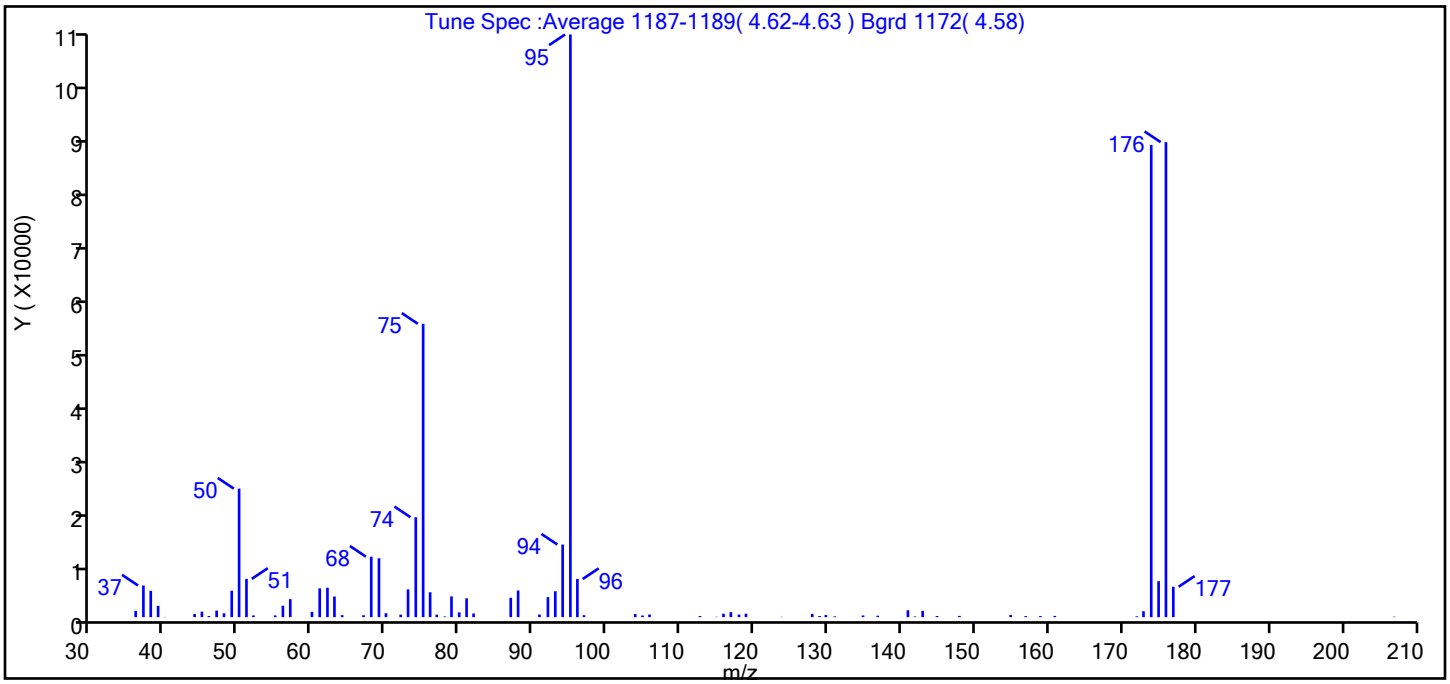
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4860.D
Injection Date: 17-Sep-2024 14:25:09 Instrument ID: HP5977K
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.1
75	30 to 60% of m/z 95	50.4
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	1.0 (1.3)
174	50 to 120% of m/z 95	81.0
175	5 to 9% of m/z 174	6.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	81.5 (100.6)
177	5 to 9% of m/z 176	5.2 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4860.D\K-8260 WATER.rslt\spectra.d
Injection Date: 17-Sep-2024 14:25:09
Spectrum: Tune Spec :Average 1187-1189(4.62-4.63) Bgrd 1172(4.58)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1159	63.00	3803	92.00	3687	135.00	307
37.00	5824	64.00	369	93.00	4774	137.00	260
38.00	4847	67.00	351	94.00	13373	141.00	1270
39.00	2085	68.00	11140	95.00	107344	142.00	122
40.00	34	69.00	10842	96.00	7026	143.00	1152
44.00	592	70.00	722	97.00	355	145.00	210
45.00	1017	72.00	458	104.00	570	148.00	229
46.00	205	73.00	5117	105.00	301	155.00	389
47.00	1213	74.00	18408	106.00	488	157.00	191
48.00	713	75.00	54048	113.00	210	159.00	194
49.00	4867	76.00	4589	115.00	57	161.00	228
50.00	23680	77.00	457	116.00	632	172.00	152
51.00	7053	78.00	128	117.00	924	173.00	1095
52.00	316	79.00	3824	118.00	478	174.00	87000
55.00	317	80.00	871	119.00	639	175.00	6626
56.00	2098	81.00	3473	124.00	52	176.00	87512
57.00	3316	82.00	677	128.00	610	177.00	5598
60.00	983	87.00	3565	129.00	200	207.00	81
61.00	5304	88.00	4918	130.00	381		
62.00	5423	91.00	485	131.00	141		

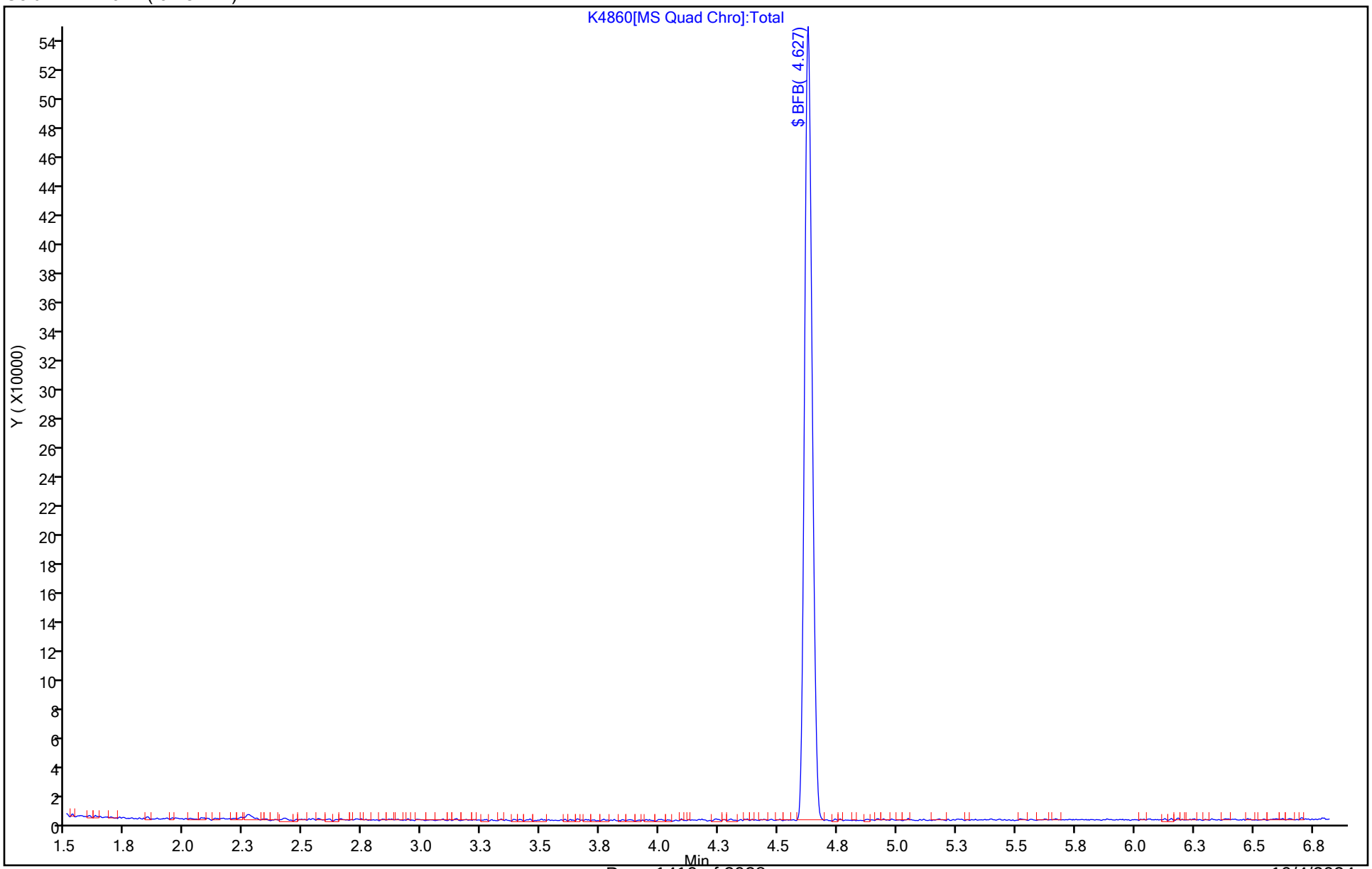
Report Date: 18-Sep-2024 11:09:33 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4860.D

Injection Date:	17-Sep-2024 14:25:09	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5207.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 27-Sep-2024 23:02:25 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120263-003
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:49:54 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 09:49:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	4.662	4.662	0.000	0	635897	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

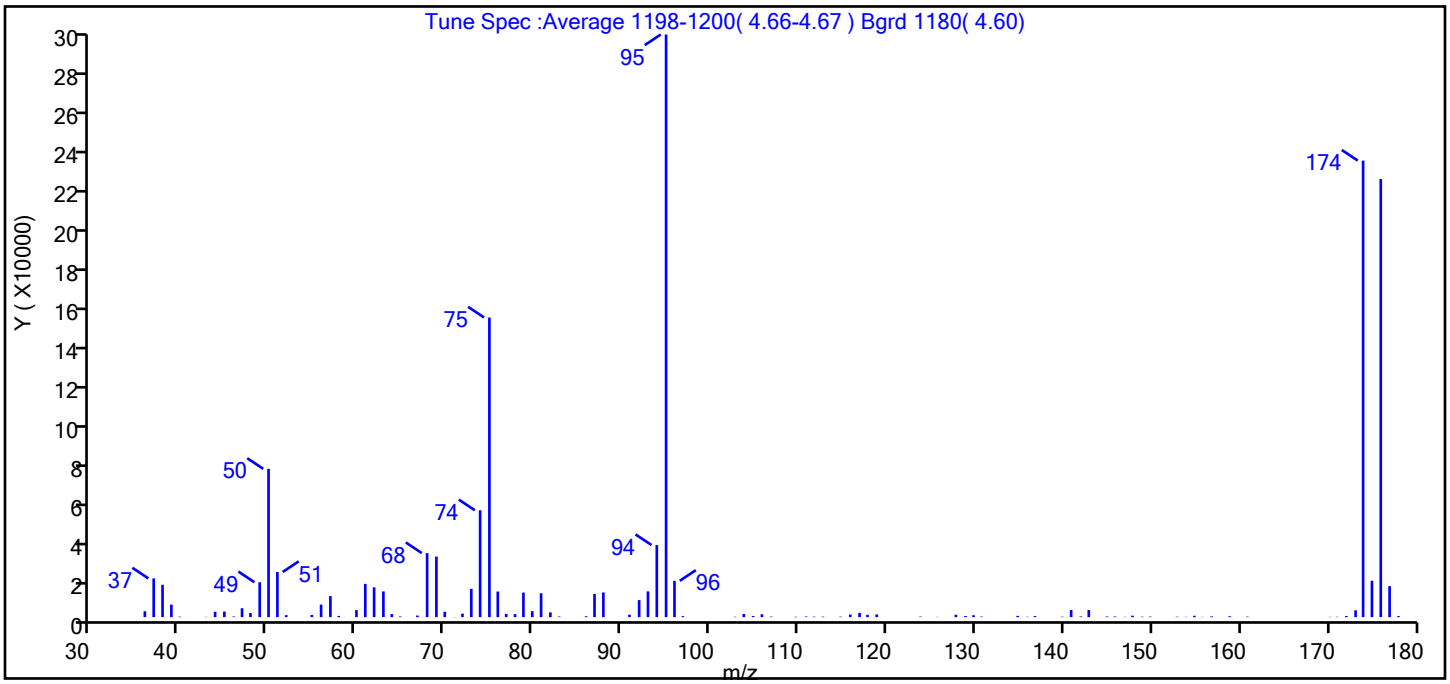
BFB_WRK_00165 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5207.D
Injection Date: 27-Sep-2024 23:02:25 Instrument ID: HP5977K
Lims ID: BFB
Client ID:
Operator ID: RS ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.5
75	30 to 60% of m/z 95	51.4
96	5 to 9% of m/z 95	6.2
173	Less than 2% of m/z 174	1.2 (1.5)
174	50 to 120% of m/z 95	78.4
175	5 to 9% of m/z 174	6.3 (8.0)
176	Greater than 95% but less than 101% of m/z 174	75.2 (96.0)
177	5 to 9% of m/z 176	5.3 (7.1)

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5207.D\K-8260 WATER.rslt\spectra.d
Injection Date: 27-Sep-2024 23:02:25
Spectrum: Tune Spec :Average 1198-1200(4.66-4.67) Bgrd 1180(4.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2998	68.00	32528	103.00	203	142.00	347
37.00	19664	69.00	30744	104.00	1637	143.00	3631
38.00	16440	70.00	2743	105.00	560	145.00	336
39.00	6369	71.00	76	106.00	1462	146.00	342
40.00	257	72.00	1775	107.00	273	147.00	153
43.00	136	73.00	14362	110.00	163	148.00	725
44.00	2751	74.00	54288	110.00	102	149.00	228
45.00	2840	75.00	152192	111.00	323	150.00	276
46.00	314	76.00	13012	112.00	259	153.00	214
47.00	4536	77.00	1610	113.00	261	154.00	147
48.00	2077	78.00	1524	115.00	240	155.00	708
49.00	17744	79.00	12465	116.00	1303	156.00	112
50.00	75320	80.00	3044	117.00	2160	157.00	385
51.00	22936	81.00	12114	118.00	1194	159.00	453
52.00	1025	82.00	2434	119.00	1398	161.00	265
55.00	1111	83.00	316	124.00	278	170.00	148
56.00	6375	86.00	457	126.00	115	171.00	186
57.00	10684	87.00	11816	128.00	1172	172.00	608
58.00	617	88.00	12525	129.00	593	173.00	3481
60.00	3567	91.00	1237	130.00	959	174.00	231872
61.00	16896	92.00	8652	131.00	280	175.00	18504
62.00	15153	93.00	13079	135.00	653	176.00	222528
63.00	13080	94.00	36624	136.00	182	177.00	15764
64.00	1549	95.00	295936	137.00	559	178.00	532
65.00	333	96.00	18456	140.00	220		
67.00	814	97.00	516	141.00	3660		

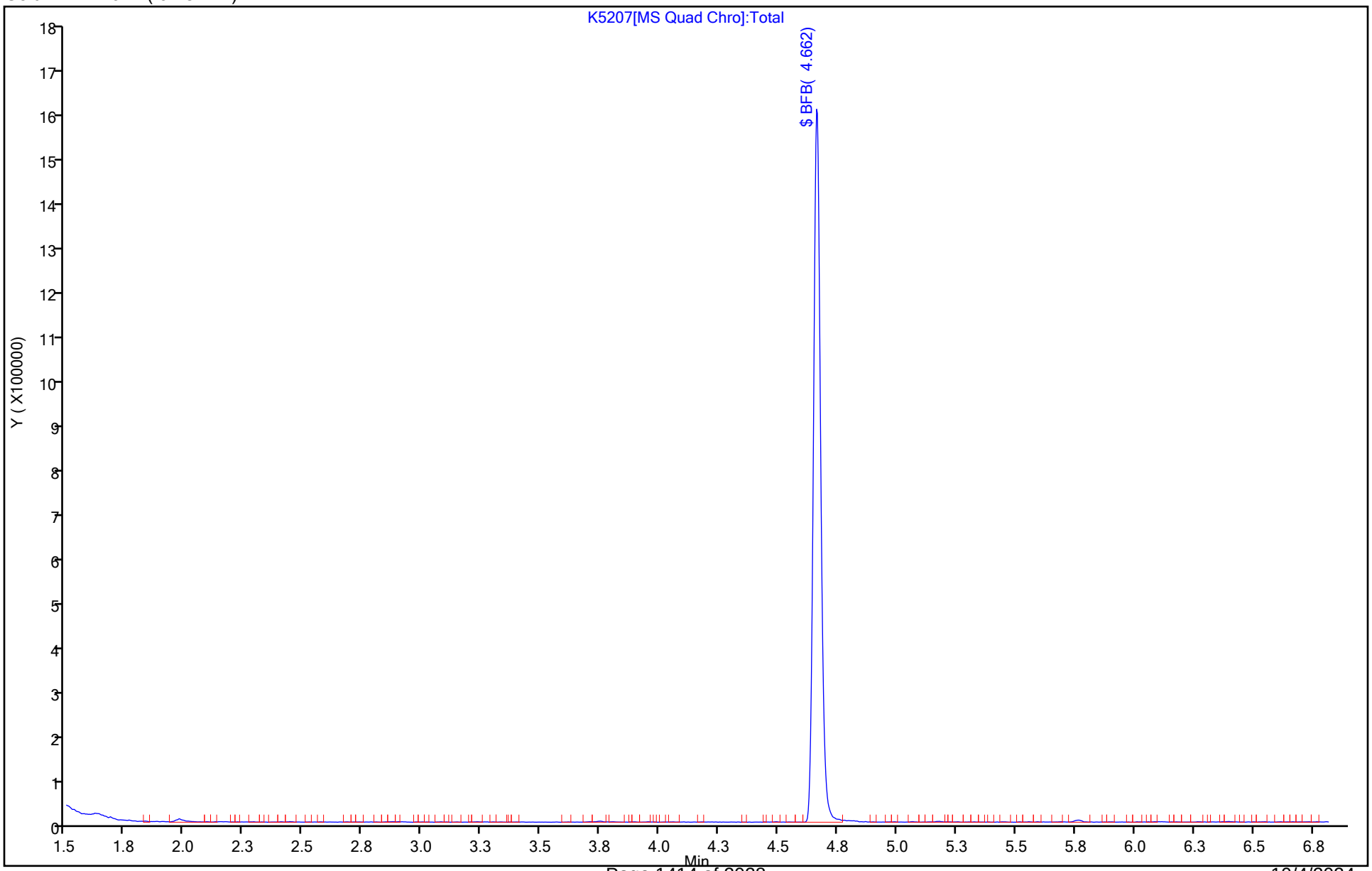
Report Date: 30-Sep-2024 09:49:55 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5207.D

Injection Date:	27-Sep-2024 23:02:25	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8801.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Sep-2024 20:41:56 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120201-003
Operator ID: cdc Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 12:06:57 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1631

First Level Reviewer: G0BW Date: 24-Sep-2024 21:19:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 8 BFB	95	5.267	5.267	0.000	0	136592	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

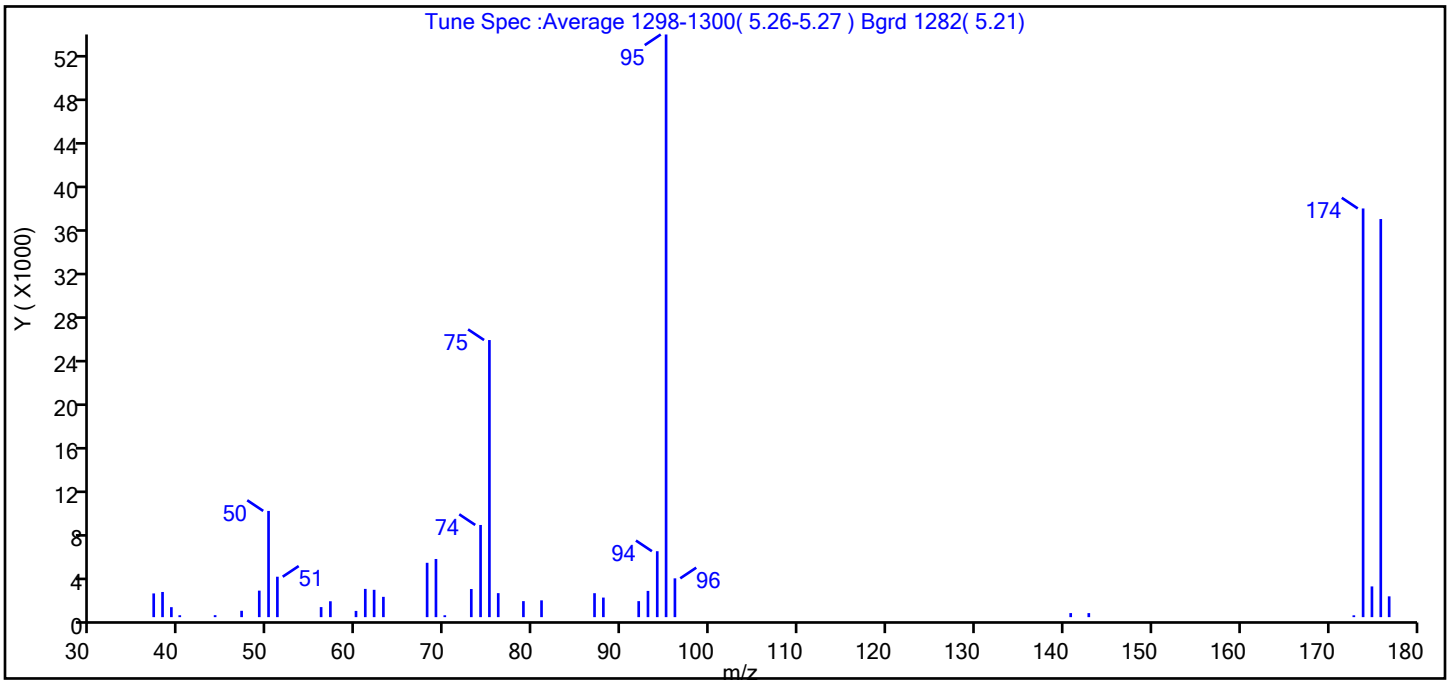
BFB_WRK_00166 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8801.D
Injection Date: 24-Sep-2024 20:41:56 Instrument ID: HP5977L
Lims ID: BFB
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.2
75	30 to 60% of m/z 95	47.6
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	70.1
175	5 to 9% of m/z 174	5.3 (7.5)
176	Greater than 95% but less than 101% of m/z 174	68.3 (97.4)
177	5 to 9% of m/z 176	3.6 (5.2)

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8801.D\L-8260.rslt\spectra.d
Injection Date: 24-Sep-2024 20:41:56
Spectrum: Tune Spec :Average 1298-1300(5.26-5.27) Bgrd 1282(5.21)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	2192	57.00	1468	75.00	25608	96.00	3586
38.00	2326	60.00	576	76.00	2218	141.00	375
39.00	922	61.00	2611	79.00	1480	143.00	374
40.00	176	62.00	2526	81.00	1552	173.00	169
44.00	182	63.00	1876	87.00	2213	174.00	37768
47.00	587	68.00	5022	88.00	1809	175.00	2839
49.00	2450	69.00	5375	92.00	1480	176.00	36792
50.00	9816	70.00	173	93.00	2425	177.00	1922
51.00	3736	73.00	2599	94.00	6093		
56.00	928	74.00	8519	95.00	53848		

Report Date: 26-Sep-2024 12:06:57 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8801.D

Injection Date: 24-Sep-2024 20:41:56 Instrument ID: HP5977L

Lims ID: BFB

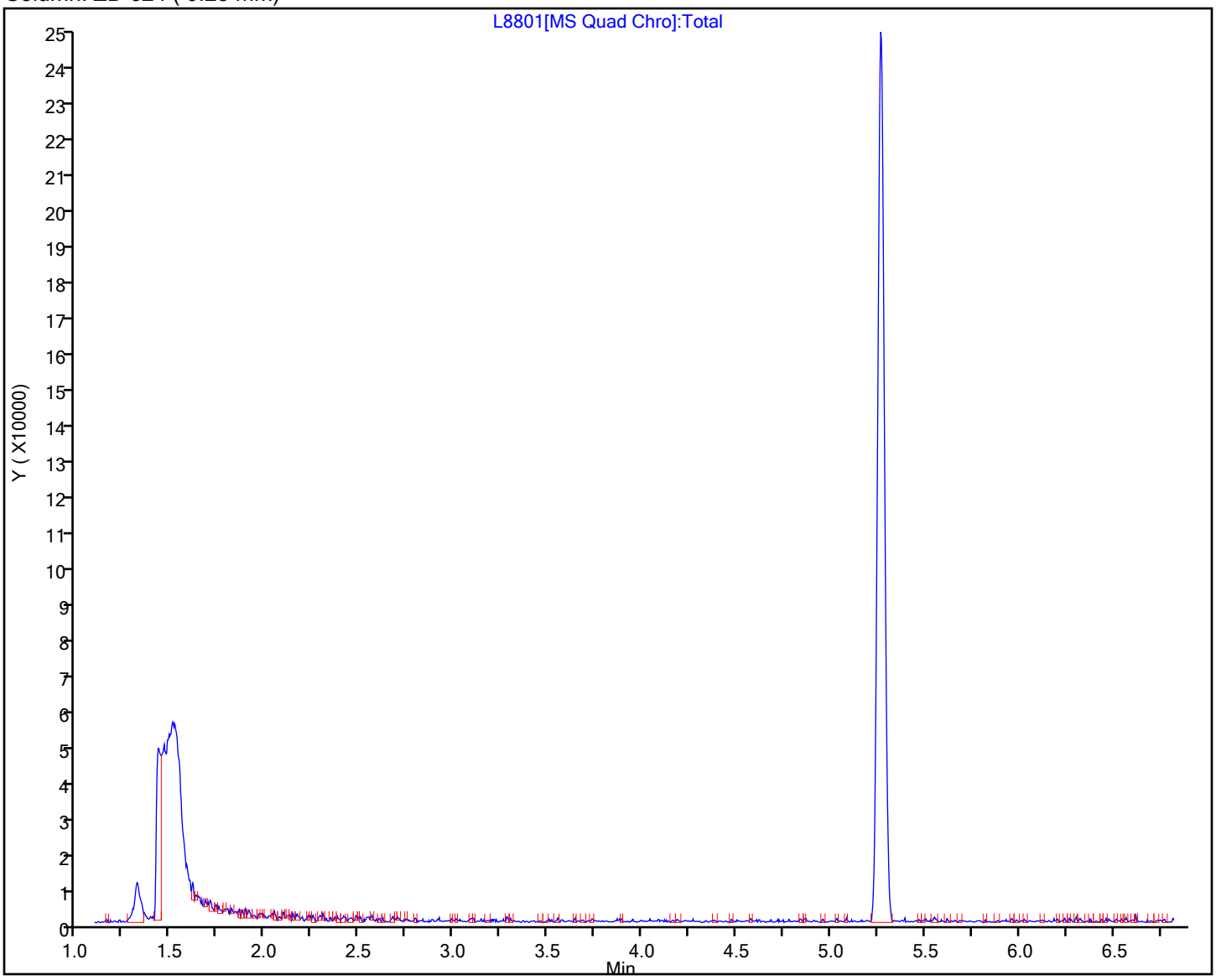
Client ID:

Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 uL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8917.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 28-Sep-2024 03:07:38 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0120267-003
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 10:31:35 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: MHM2 Date: 30-Sep-2024 10:31:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 8 BFB	95	5.303	5.303	0.000	0	376311	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

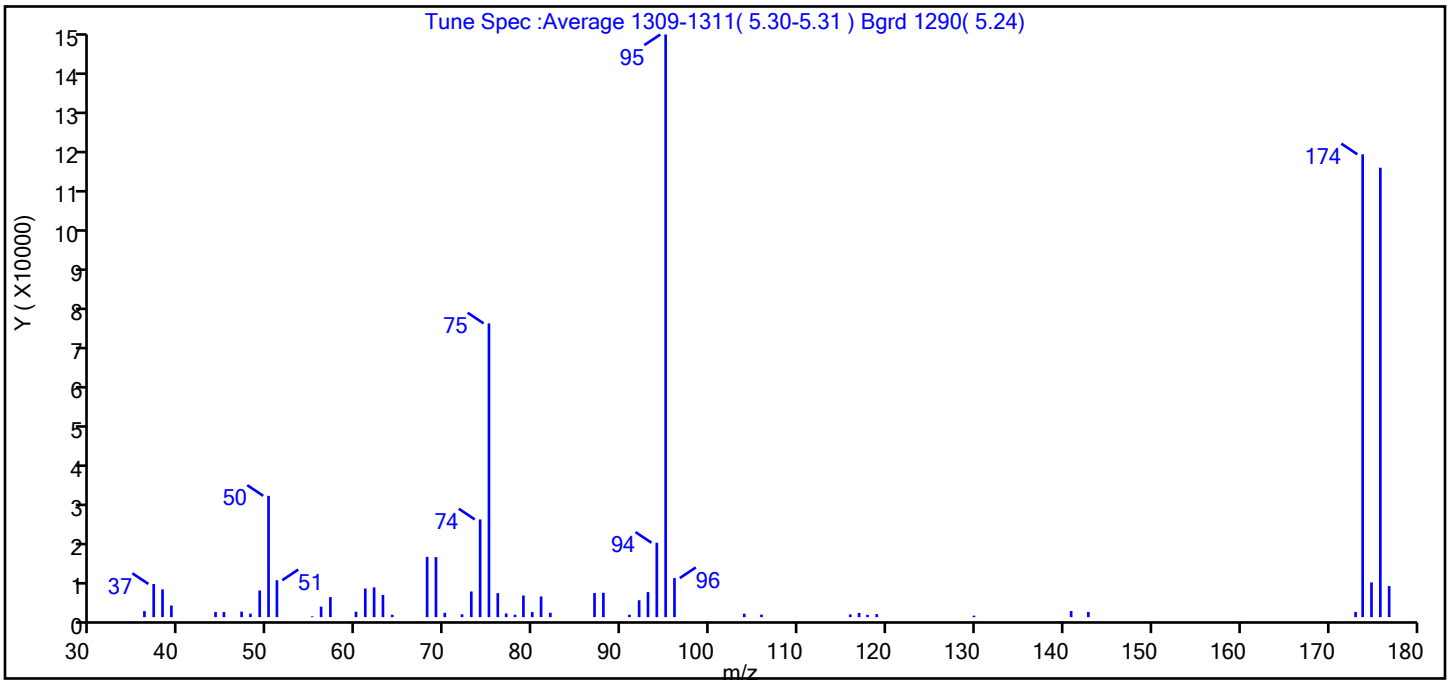
BFB_WRK_00166 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8917.D
Injection Date: 28-Sep-2024 03:07:38 Instrument ID: HP5977L
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.8
75	30 to 60% of m/z 95	50.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	79.4
175	5 to 9% of m/z 174	6.0 (7.5)
176	Greater than 95% but less than 101% of m/z 174	77.1 (97.1)
177	5 to 9% of m/z 176	5.3 (6.9)

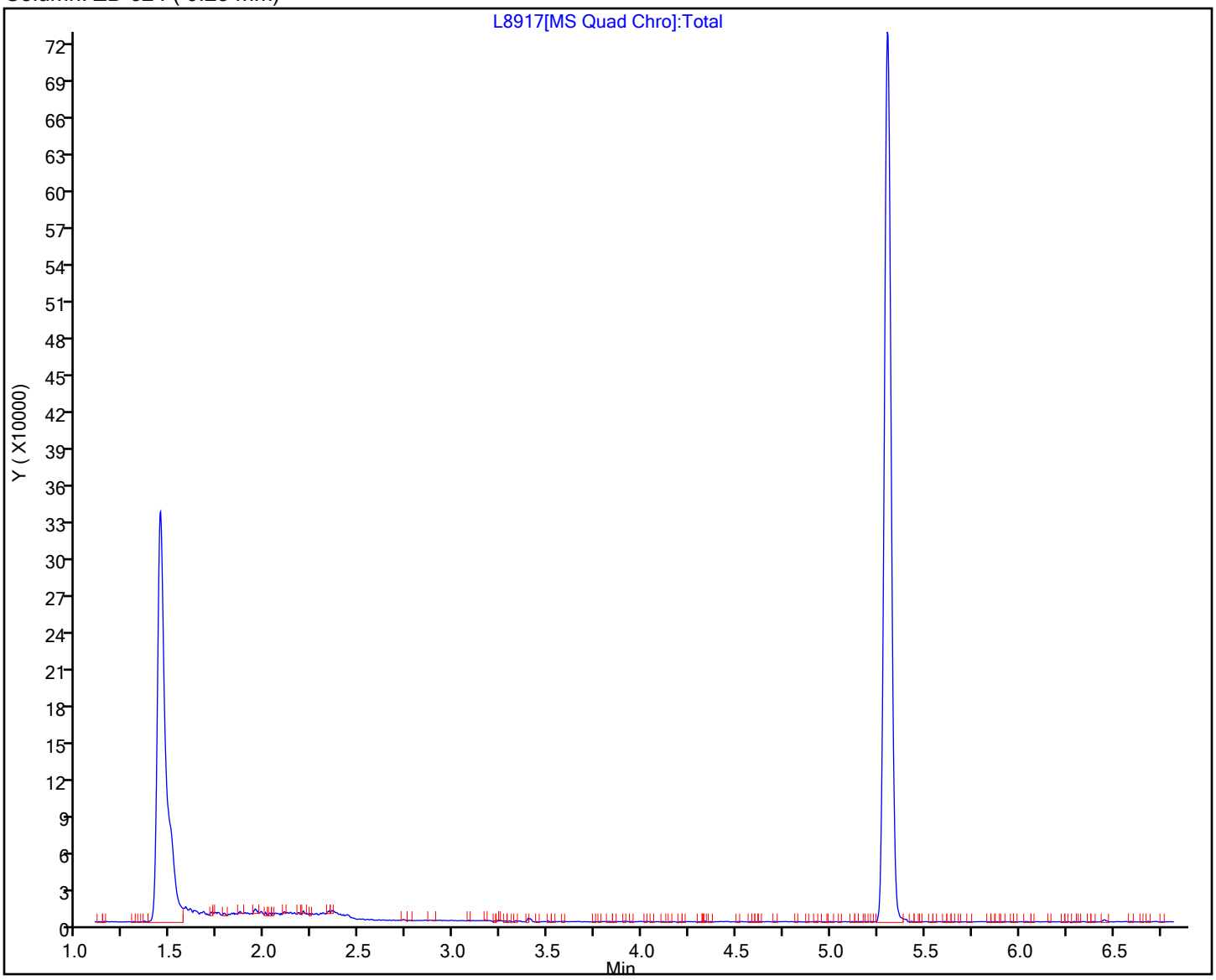
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8917.D\L-8260.rslt\spectra.d
Injection Date: 28-Sep-2024 03:07:38
Spectrum: Tune Spec :Average 1309-1311(5.30-5.31) Bgrd 1290(5.24)
Base Peak: 94.95
Minimum % Base Peak: 0
Number of Points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1529	60.00	1366	78.00	620	106.00	638
37.00	8362	61.00	7209	79.00	5453	116.00	681
38.00	6992	62.00	7503	80.00	1275	117.00	1069
39.00	2918	63.00	5591	81.00	5216	118.00	584
44.00	1314	64.00	606	82.00	1111	119.00	763
45.00	1316	68.00	15187	87.00	6073	130.00	378
47.00	1394	69.00	15123	88.00	6139	141.00	1538
48.00	885	70.00	1087	91.00	613	143.00	1320
49.00	6715	72.00	719	92.00	4262	173.00	1319
50.00	30568	73.00	6469	93.00	6305	174.00	116624
51.00	9302	74.00	24624	94.00	18744	175.00	8757
55.00	189	75.00	74016	95.00	146816	176.00	113240
56.00	2651	76.00	6052	96.00	9841	177.00	7832
57.00	5046	77.00	918	104.00	869		

Report Date: 30-Sep-2024 10:31:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8917.D
Injection Date: 28-Sep-2024 03:07:38 Instrument ID: HP5977L
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-725960/8

Matrix: Water | Lab File ID: D6927.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 12:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-725960/8

Matrix: Water | Lab File ID: D6927.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 12:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6927.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Sep-2024 12:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120181-008
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:22:43 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 09:22:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	189030	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	375607	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.003	0.001	95	421794	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	92	300813	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	169078	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	916653	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.052	0.001	94	309022	25.0	24.5	
10 Dichlorodifluoromethane	85		1.127					ND	
11 Chlorodifluoromethane	51		1.139					ND	
12 Chloromethane	50		1.285					ND	
13 Vinyl chloride	62		1.365					ND	
144 Butadiene	54		1.377					ND	
14 Bromomethane	94		1.645					ND	7
15 Chloroethane	64		1.700					ND	
16 Dichlorofluoromethane	67		1.907					ND	
17 Trichlorofluoromethane	101		1.919					ND	
18 Ethyl ether	59		2.151					ND	
141 Ethanol	45		2.164					ND	U
19 Propene oxide	58		2.231					ND	
20 Acrolein	56		2.316					ND	
22 1,1-Dichloroethene	96		2.352					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.365					ND	
23 Acetone	43		2.456					ND	
25 Iodomethane	142		2.499					ND	
26 Carbon disulfide	76		2.535					ND	
24 Isopropyl alcohol	45		2.633					ND	U
28 3-Chloro-1-propene	41		2.688					ND	
27 Methyl acetate	43		2.736					ND	
29 Acetonitrile	40		2.737					ND	
30 Methylene Chloride	84	2.822	2.822	0.000	91	1548		-0.6980	7a
31 2-Methyl-2-propanol	59		2.974					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.017					ND	
34 trans-1,2-Dichloroethene	96		3.029					ND	
33 Acrylonitrile	53		3.072					ND	
35 Hexane	57		3.206					ND	
39 1,1-Dichloroethane	63		3.395					ND	
36 Isopropyl ether	45		3.413					ND	
132 Halothane	117		3.432					ND	
37 Vinyl acetate	43		3.444					ND	
40 2-Chloro-1,3-butadiene	53		3.450					ND	
38 1,1-Dimethoxyethane	75		3.474					ND	
41 Tert-butyl ethyl ether	59		3.706					ND	
44 2,2-Dichloropropane	77		3.846					ND	
45 cis-1,2-Dichloroethene	96		3.876					ND	
43 2-Butanone (MEK)	43		3.901					ND	
42 Ethyl acetate	43		3.932					ND	
46 Propionitrile	54		3.980					ND	
48 Chlorobromomethane	128		4.071					ND	
47 Methacrylonitrile	41		4.078					ND	
49 Tetrahydrofuran	42		4.084					ND	
50 Chloroform	83	4.139	4.139	0.000	90	2691		0.1488	
51 1,1,1-Trichloroethane	97		4.236					ND	
52 Cyclohexane	56		4.242					ND	
55 Carbon tetrachloride	117		4.352					ND	
54 1,1-Dichloropropene	75		4.358					ND	
57 Benzene	78		4.529					ND	
146 Isooctane	57		4.529					ND	
53 Isobutyl alcohol	43		4.535					ND	
58 1,2-Dichloroethane	62		4.584					ND	
140 t-Amyl alcohol	59		4.584					ND	
56 Tert-amyl methyl ether	73		4.590					ND	
59 n-Heptane	43		4.675					ND	
1 1,4-Difluorobenzene	114		4.840					ND	
154 2,4,4-Trimethyl-1-pentene	55		4.931					ND	
62 Trichloroethene	95		5.029					ND	
60 n-Butanol	56		5.041					ND	
145 Ethyl acrylate	55		5.120					ND	
64 Methylcyclohexane	83		5.126					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.126					ND	
65 1,2-Dichloropropane	63		5.218					ND	
63 Methyl methacrylate	41		5.291					ND	
67 Dibromomethane	93		5.327					ND	
66 1,4-Dioxane	88	5.334	5.334	0.007	87	2513		43.5	a
68 Dichlorobromomethane	83		5.449					ND	
70 2-Nitropropane	43		5.639					ND	
69 2-Chloroethyl vinyl ether	63		5.663					ND	
71 Epichlorohydrin	57		5.736					ND	
72 cis-1,3-Dichloropropene	75		5.778					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882					ND	U
74 Toluene	92		6.004					ND	
76 2-Methylthiophene	97		6.114					ND	
77 trans-1,3-Dichloropropene	75		6.217					ND	
78 3-Methylthiophene	97		6.242					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.248					ND	
79 1,1,2-Trichloroethane	83		6.364					ND	
81 Tetrachloroethene	166		6.419					ND	
82 1,3-Dichloropropane	76		6.492					ND	
80 2-Hexanone	43		6.534					ND	
155 n-Butyl acetate	43		6.614					ND	
83 Chlorodibromomethane	129		6.675					ND	
84 Ethylene Dibromide	107		6.760					ND	
139 1-Chlorohexane	55		7.077					ND	U
85 3-Chlorobenzotrifluoride	180		7.089					ND	
87 Chlorobenzene	112		7.126					ND	
86 4-Chlorobenzotrifluoride	180		7.132					ND	
88 Ethylbenzene	91		7.187					ND	
89 1,1,1,2-Tetrachloroethane	131		7.193					ND	
90 m-Xylene & p-Xylene	106		7.284					ND	
91 o-Xylene	106		7.607					ND	
92 Styrene	104		7.626					ND	
95 Bromoform	173		7.821					ND	
93 2-Chlorobenzotrifluoride	180		7.833					ND	
94 Isopropylbenzene	105		7.894					ND	
96 Cyclohexanone	55		8.034					ND	
101 Bromobenzene	156		8.180					ND	
97 1,1,2,2-Tetrachloroethane	83		8.205					ND	
99 N-Propylbenzene	91		8.235					ND	
100 1,2,3-Trichloropropane	110		8.235					ND	
98 trans-1,4-Dichloro-2-butene	53		8.241					ND	
103 2-Chlorotoluene	126		8.327					ND	
102 1,3,5-Trimethylbenzene	105		8.376					ND	
104 3-Chlorotoluene	126		8.376					ND	
105 4-Chlorotoluene	126		8.412					ND	
106 tert-Butylbenzene	134		8.644					ND	
107 1,2,4-Trimethylbenzene	105		8.686					ND	
108 Pentachloroethane	167		8.699					ND	
109 sec-Butylbenzene	105		8.821					ND	
110 4-Isopropyltoluene	119		8.943					ND	
111 1,3-Dichlorobenzene	146		8.949					ND	
114 Dicyclopentadiene	66		9.010					ND	
113 1,4-Dichlorobenzene	146		9.028					ND	
112 1,2,3-Trimethylbenzene	105		9.046					ND	
143 Benzyl chloride	91		9.150					ND	
115 n-Butylbenzene	91		9.290					ND	7
116 1,2-Dichlorobenzene	146		9.345					ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022					ND	
118 1,3,5-Trichlorobenzene	180		10.150					ND	
119 1,2,4-Trichlorobenzene	180		10.686					ND	
120 Hexachlorobutadiene	225		10.796					ND	U
121 Naphthalene	128		10.899					ND	
122 1,2,3-Trichlorobenzene	180		11.095					ND	
142 2-Methylnaphthalene	142		11.778					ND	
149 Hexachloroethane	117		0.000					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
150 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

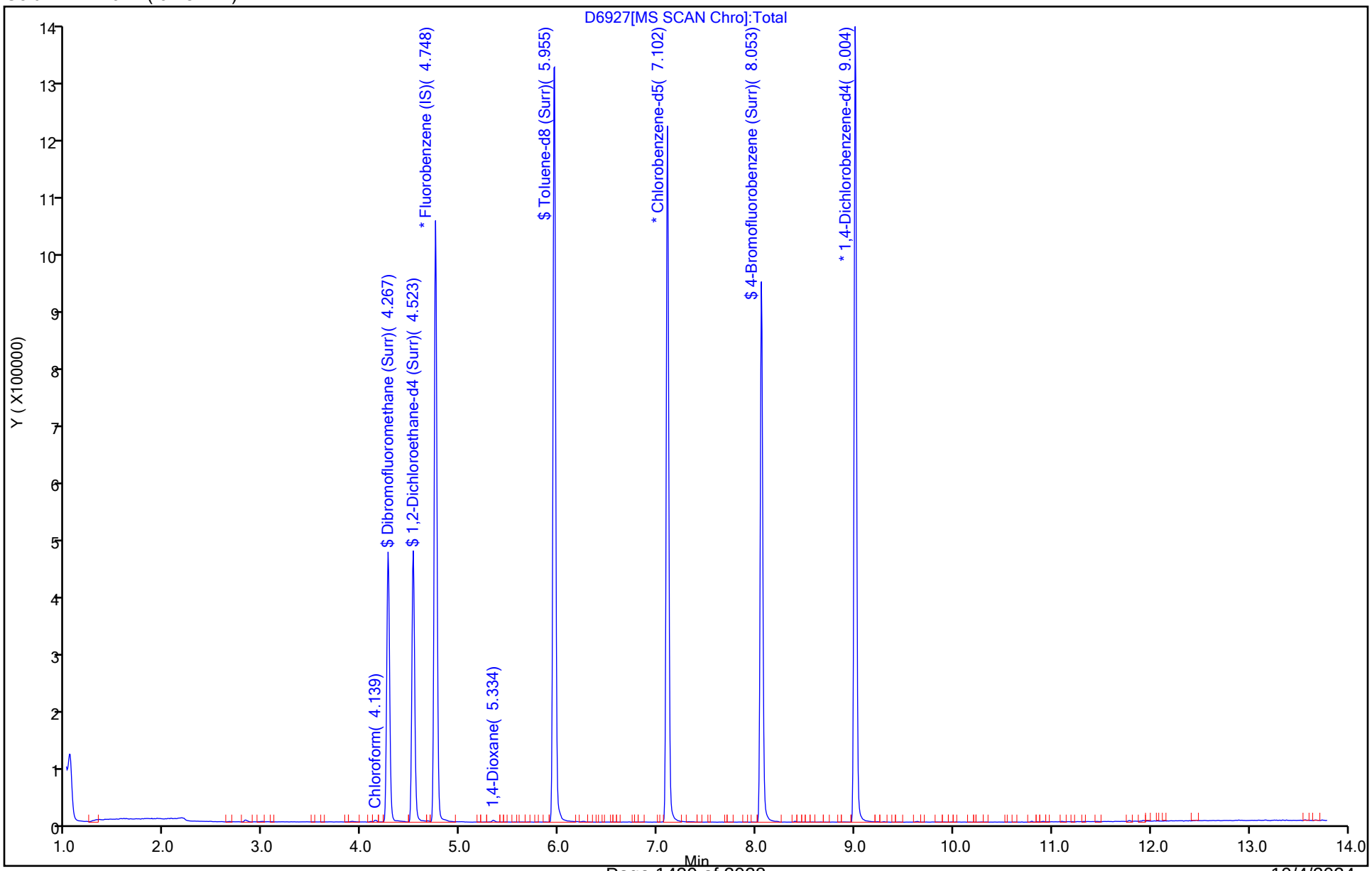
Report Date: 25-Sep-2024 09:22:45 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6927.d

Injection Date:	24-Sep-2024 12:57:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6927.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Sep-2024 12:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120181-008
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:22:43 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 09:22:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	24.8	99.00
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.5	98.12
$ 5 Toluene-d8 (Surr)	25.0	25.3	101.16
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.5	98.17

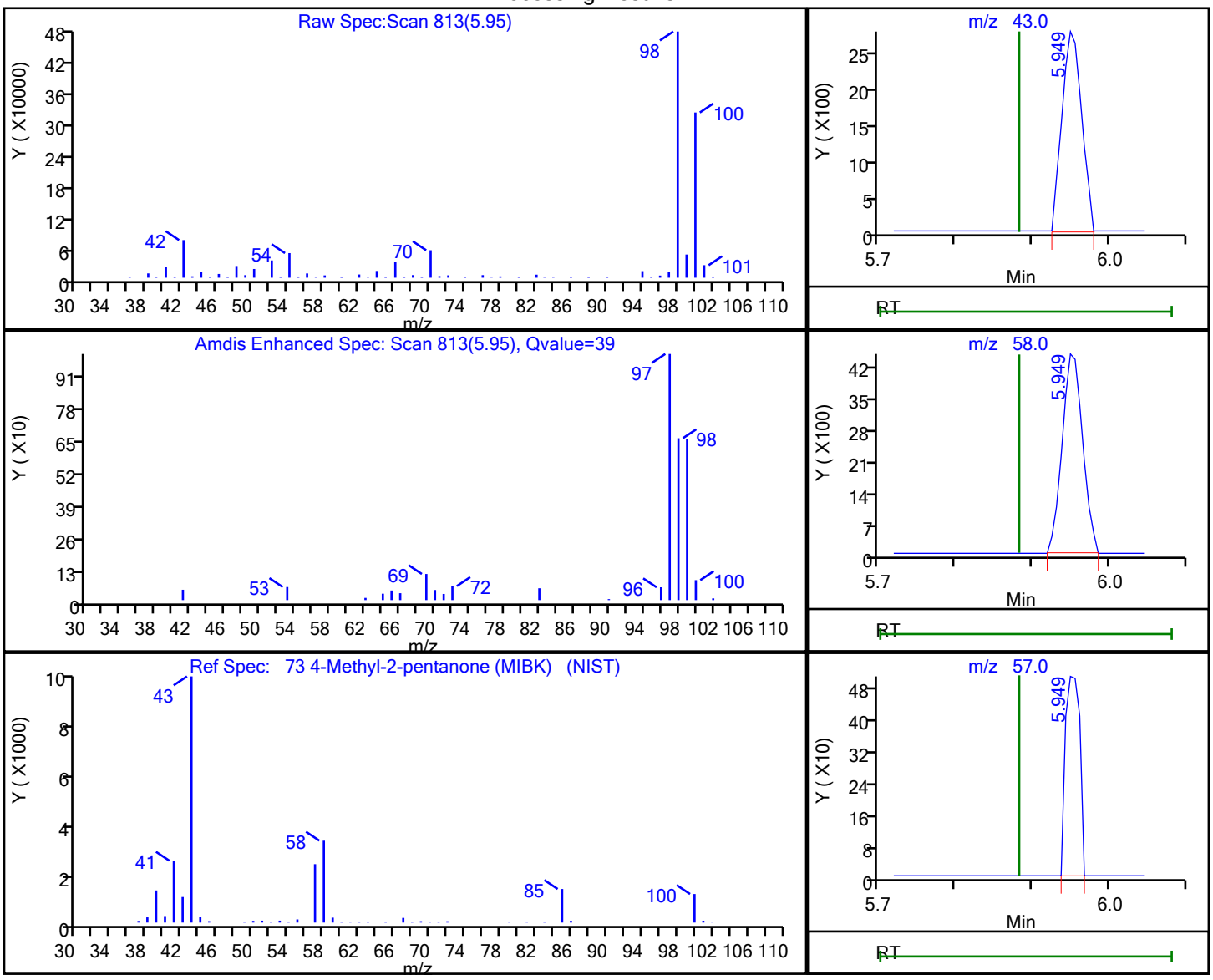
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6927.d
Injection Date: 24-Sep-2024 12:57:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4881	0.371417
5.95	58.00	8318	
5.95	57.00	668	

Reviewer: HF3K, 25-Sep-2024 09:21:39 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

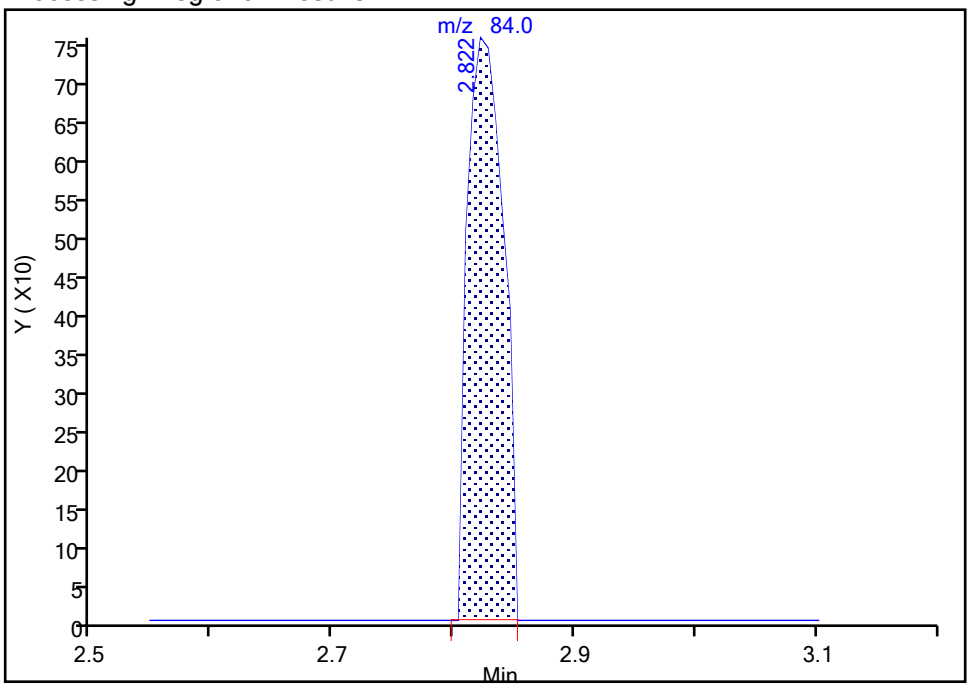
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6927.d
Injection Date: 24-Sep-2024 12:57:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

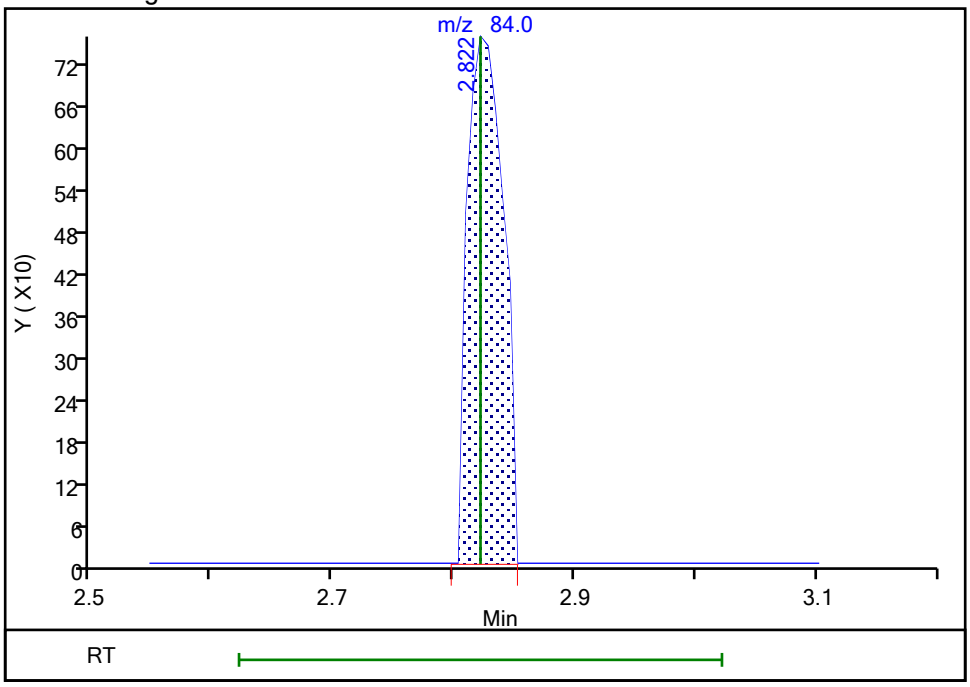
Processing Integration Results

RT: 2.82
Area: 1548
Amount: -0.698047
Amount Units: ug/L



Manual Integration Results

RT: 2.82
Area: 1548
Amount: -0.698047
Amount Units: ug/L



Reviewer: HF3K, 25-Sep-2024 09:20:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-725969/9

Matrix: Water | Lab File ID: S2396.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 13:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-725969/9

Matrix: Water | Lab File ID: S2396.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 13:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2396.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Sep-2024 13:05:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120183-009
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2024 14:58:58 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: QR3Z Date: 24-Sep-2024 14:58:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	146147	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	85	289062	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	95	311277	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	57	188567	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	92	120469	25.0	25.9	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	94	647458	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.961	0.000	90	219050	25.0	23.5	
10 Dichlorodifluoromethane	85		0.992					ND	
11 Chlorodifluoromethane	51		1.004					ND	
12 Chloromethane	50		1.126					ND	
13 Vinyl chloride	62		1.199					ND	
151 Butadiene	54		1.217					ND	
14 Bromomethane	94		1.442					ND	
15 Chloroethane	64		1.515					ND	
16 Dichlorofluoromethane	67		1.685					ND	
17 Trichlorofluoromethane	101		1.691					ND	
18 Ethyl ether	59		1.917					ND	
148 Ethanol	45		1.929					ND	
19 Propene oxide	58		1.996					ND	
20 Acrolein	56		2.081					ND	
22 1,1-Dichloroethene	96		2.105					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.117					ND	
23 Acetone	43		2.227					ND	
25 Iodomethane	142		2.251					ND	
26 Carbon disulfide	76		2.282					ND	
24 Isopropyl alcohol	45		2.403					ND	
28 3-Chloro-1-propene	41		2.452					ND	
27 Methyl acetate	43		2.501					ND	
29 Acetonitrile	40		2.513					ND	U
30 Methylene Chloride	84	2.586	2.586	0.000	53	1787		-0.4682	a
31 2-Methyl-2-propanol	59		2.762					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.786					ND	
34 trans-1,2-Dichloroethene	96		2.799					ND	
33 Acrylonitrile	53		2.859					ND	
35 Hexane	57		2.987					ND	
39 1,1-Dichloroethane	63		3.200					ND	
36 Isopropyl ether	45		3.219					ND	
40 2-Chloro-1,3-butadiene	53		3.249					ND	
37 Vinyl acetate	43		3.261					ND	
38 1,1-Dimethoxyethane	75		3.292					ND	
41 Tert-butyl ethyl ether	59		3.547					ND	
44 2,2-Dichloropropane	77		3.693					ND	
45 cis-1,2-Dichloroethene	96		3.736					ND	
43 2-Butanone (MEK)	43		3.778					ND	
42 Ethyl acetate	43		3.815					ND	
139 Halothane	117		3.822					ND	
46 Propionitrile	54		3.882					ND	
48 Chlorobromomethane	128		3.961					ND	
49 Tetrahydrofuran	42		3.979					ND	
47 Methacrylonitrile	41		3.985					ND	
50 Chloroform	83	4.046	4.046	0.000	5	2475		0.1822	
52 Cyclohexane	56		4.137					ND	
51 1,1,1-Trichloroethane	97		4.143					ND	
55 Carbon tetrachloride	117		4.271					ND	
54 1,1-Dichloropropene	75		4.289					ND	
57 Benzene	78		4.490					ND	
152 Isooctane	57		4.490					ND	
53 Isobutyl alcohol	43		4.551					ND	
58 1,2-Dichloroethane	62		4.563					ND	
56 Tert-amyl methyl ether	73		4.575					ND	
147 t-Amyl alcohol	59		4.600					ND	
59 n-Heptane	43		4.678					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
1 1,4-Difluorobenzene	114		4.879					ND	
62 Trichloroethene	95		5.092					ND	
60 n-Butanol	56		5.165					ND	
64 Methylcyclohexane	83		5.196					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.202					ND	
142 Ethyl acrylate	55		5.244					ND	
65 1,2-Dichloropropane	63		5.329					ND	
63 Methyl methacrylate	41		5.451					ND	
67 Dibromomethane	93		5.463					ND	
66 1,4-Dioxane	88		5.475					ND	
68 Dichlorobromomethane	83		5.621					ND	
70 2-Nitropropane	43		5.877					ND	
69 2-Chloroethyl vinyl ether	63		5.913					ND	
71 Epichlorohydrin	57		5.999					ND	
72 cis-1,3-Dichloropropene	75		6.035					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187					ND	
74 Toluene	92		6.309					ND	
76 2-Methylthiophene	97		6.443					ND	
77 trans-1,3-Dichloropropene	75		6.607					ND	
78 3-Methylthiophene	97		6.607					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.668					ND	
79 1,1,2-Trichloroethane	83		6.789					ND	
81 Tetrachloroethene	166		6.826					ND	
82 1,3-Dichloropropane	76		6.942					ND	
80 2-Hexanone	43		7.027					ND	
155 n-Butyl acetate	43		7.149					ND	
83 Chlorodibromomethane	129		7.173					ND	
84 Ethylene Dibromide	107		7.264					ND	
146 1-Chlorohexane	55		7.708					ND	U
85 3-Chlorobenzotrifluoride	180		7.733					ND	
87 Chlorobenzene	112		7.739					ND	
86 4-Chlorobenzotrifluoride	180		7.800					ND	
88 Ethylbenzene	91		7.836					ND	
89 1,1,1,2-Tetrachloroethane	131		7.842					ND	
90 m-Xylene & p-Xylene	106		7.958					ND	
91 o-Xylene	106		8.377					ND	
92 Styrene	104		8.408					ND	
95 Bromoform	173		8.645					ND	
93 2-Chlorobenzotrifluoride	180		8.694					ND	
94 Isopropylbenzene	105		8.761					ND	
96 Cyclohexanone	55		8.937					ND	
101 Bromobenzene	156		9.101					ND	
97 1,1,2,2-Tetrachloroethane	83		9.192					ND	
99 N-Propylbenzene	91		9.205					ND	
100 1,2,3-Trichloropropane	110		9.217					ND	
98 trans-1,4-Dichloro-2-butene	53		9.241					ND	
103 2-Chlorotoluene	126		9.302					ND	
104 3-Chlorotoluene	126		9.375					ND	
102 1,3,5-Trimethylbenzene	105		9.399					ND	
105 4-Chlorotoluene	126		9.430					ND	
106 tert-Butylbenzene	134		9.734					ND	
107 1,2,4-Trimethylbenzene	105		9.789					ND	
108 Pentachloroethane	167		9.789					ND	
109 sec-Butylbenzene	105		9.953					ND	
111 1,3-Dichlorobenzene	146		10.081					ND	
110 4-Isopropyltoluene	119		10.105					ND	
114 Dicyclopentadiene	66		10.142					ND	
113 1,4-Dichlorobenzene	146		10.178					ND	
112 1,2,3-Trimethylbenzene	105		10.215					ND	
150 Benzyl chloride	126		10.336					ND	
115 n-Butylbenzene	91		10.507					ND	
116 1,2-Dichlorobenzene	146		10.537					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.297					ND	
118 1,3,5-Trichlorobenzene	180		11.425					ND	
119 1,2,4-Trichlorobenzene	180		11.973					ND	
120 Hexachlorobutadiene	225		12.088					ND	
121 Naphthalene	128		12.180					ND	
122 1,2,3-Trichlorobenzene	180		12.386					ND	
149 2-Methylnaphthalene	142		13.104					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

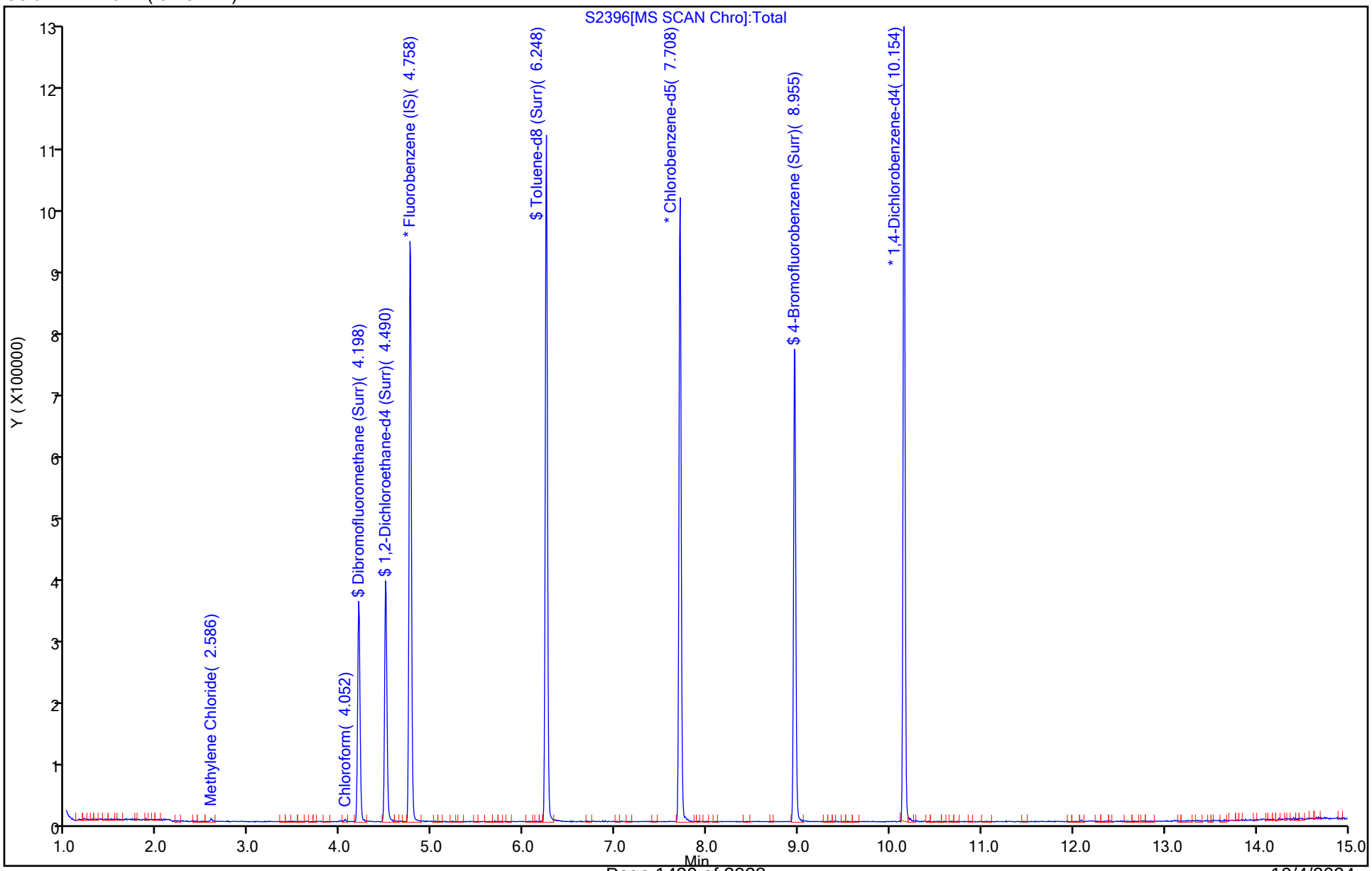
Report Date: 24-Sep-2024 14:58:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2396.d

Injection Date:	24-Sep-2024 13:05:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	MB			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2396.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Sep-2024 13:05:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120183-009
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2024 14:58:58 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: QR3Z Date: 24-Sep-2024 14:58:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.3	101.15
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.9	103.70
$ 5 Toluene-d8 (Surr)	25.0	25.1	100.35
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.5	93.82

Manual Integration/User Assign Peak Report

Eurofins Buffalo

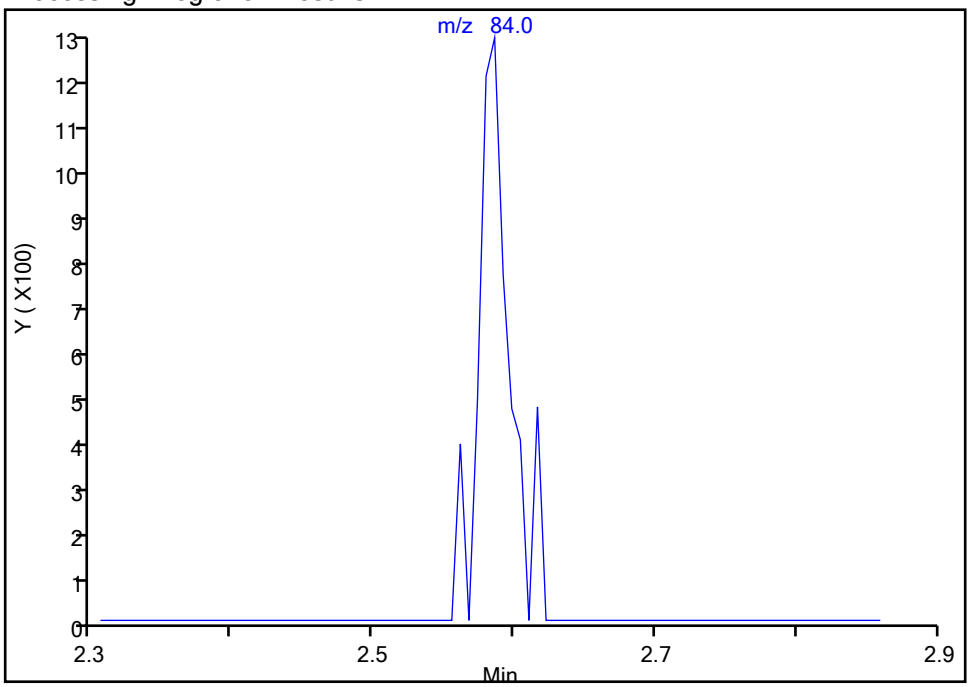
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2396.d
Injection Date: 24-Sep-2024 13:05:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: ZN ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

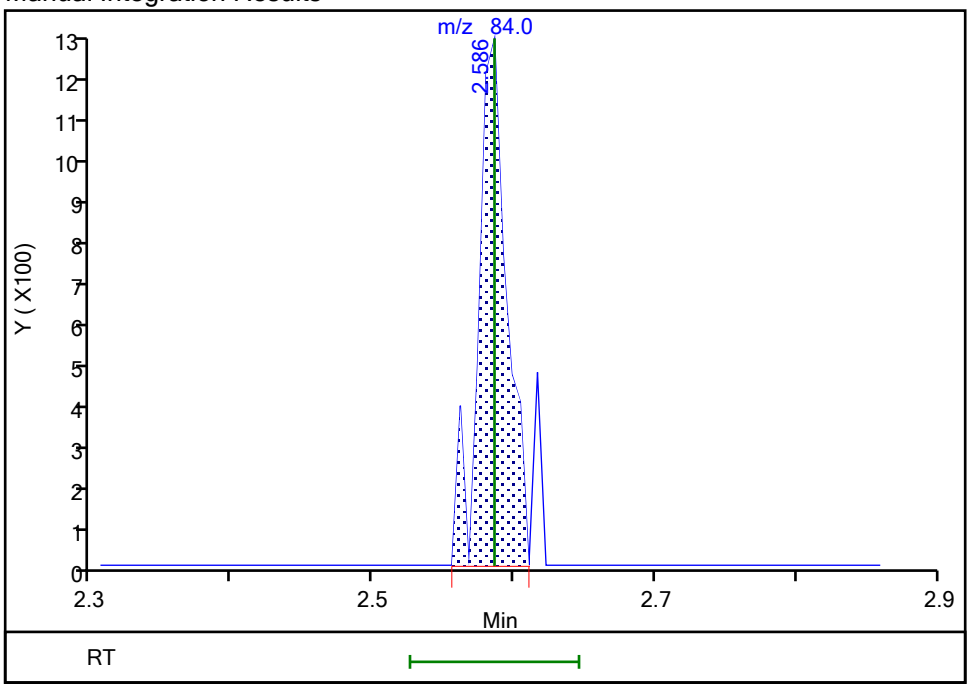
Not Detected
Expected RT: 2.59

Processing Integration Results



Manual Integration Results

RT: 2.59
Area: 1787
Amount: -0.468199
Amount Units: ug/L



Reviewer: QR3Z, 24-Sep-2024 14:58:06 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726185/8

Matrix: Water | Lab File ID: D6988.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 00:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726185/8

Matrix: Water | Lab File ID: D6988.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/26/2024 00:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6988.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Sep-2024 00:29:30 ALS Bottle#: 40 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120223-008
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 11:58:56 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 11:58:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	182303	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	364510	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.003	0.001	95	410734	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	92	295984	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	99	168925	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	867461	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.052	0.001	94	304307	25.0	24.9	
10 Dichlorodifluoromethane	85		1.127					ND	
11 Chlorodifluoromethane	51		1.139					ND	
12 Chloromethane	50		1.285					ND	
13 Vinyl chloride	62		1.365					ND	
144 Butadiene	54		1.377					ND	
14 Bromomethane	94		1.645					ND	7
15 Chloroethane	64		1.700					ND	
16 Dichlorofluoromethane	67		1.907					ND	
17 Trichlorofluoromethane	101		1.913					ND	
18 Ethyl ether	59		2.151					ND	
141 Ethanol	45		2.164					ND	
19 Propene oxide	58		2.231					ND	
20 Acrolein	56		2.316					ND	
22 1,1-Dichloroethene	96		2.352					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.358					ND	
23 Acetone	43		2.462					ND	
25 Iodomethane	142		2.499					ND	
26 Carbon disulfide	76		2.535					ND	
24 Isopropyl alcohol	45		2.633					ND	
28 3-Chloro-1-propene	41		2.688					ND	
27 Methyl acetate	43		2.736					ND	
29 Acetonitrile	40		2.737					ND	
30 Methylene Chloride	84		2.822					ND	7
31 2-Methyl-2-propanol	59		2.980					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.017					ND	
34 trans-1,2-Dichloroethene	96		3.029					ND	
33 Acrylonitrile	53		3.072					ND	
35 Hexane	57		3.206					ND	
39 1,1-Dichloroethane	63		3.395					ND	
36 Isopropyl ether	45		3.413					ND	
132 Halothane	117		3.432					ND	
37 Vinyl acetate	43		3.444					ND	
40 2-Chloro-1,3-butadiene	53		3.450					ND	
38 1,1-Dimethoxyethane	75		3.474					ND	
41 Tert-butyl ethyl ether	59		3.706					ND	
44 2,2-Dichloropropane	77		3.846					ND	
45 cis-1,2-Dichloroethene	96		3.876					ND	
43 2-Butanone (MEK)	43		3.901					ND	
42 Ethyl acetate	43		3.932					ND	
46 Propionitrile	54		3.980					ND	
48 Chlorobromomethane	128		4.071					ND	
47 Methacrylonitrile	41		4.078					ND	
49 Tetrahydrofuran	42		4.084					ND	
50 Chloroform	83	4.139	4.139	0.000	90	3304		0.1895	
51 1,1,1-Trichloroethane	97		4.236					ND	
52 Cyclohexane	56		4.242					ND	
55 Carbon tetrachloride	117		4.352					ND	
54 1,1-Dichloropropene	75		4.358					ND	
57 Benzene	78		4.529					ND	
146 Isooctane	57		4.529					ND	
53 Isobutyl alcohol	43		4.535					ND	
58 1,2-Dichloroethane	62		4.584					ND	
140 t-Amyl alcohol	59		4.584					ND	
56 Tert-amyl methyl ether	73		4.590					ND	
59 n-Heptane	43		4.675					ND	
1 1,4-Difluorobenzene	114		4.840					ND	
154 2,4,4-Trimethyl-1-pentene	55		4.931					ND	
62 Trichloroethene	95		5.029					ND	
60 n-Butanol	56		5.041					ND	
145 Ethyl acrylate	55		5.120					ND	
64 Methylcyclohexane	83		5.126					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.126					ND	
65 1,2-Dichloropropane	63		5.218					ND	
63 Methyl methacrylate	41		5.291					ND	
67 Dibromomethane	93		5.327					ND	
66 1,4-Dioxane	88		5.327					ND	
68 Dichlorobromomethane	83		5.443					ND	
70 2-Nitropropane	43		5.639					ND	
69 2-Chloroethyl vinyl ether	63		5.663					ND	
71 Epichlorohydrin	57		5.736					ND	
72 cis-1,3-Dichloropropene	75		5.772					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882					ND	U
74 Toluene	92		6.004					ND	
76 2-Methylthiophene	97		6.114					ND	
77 trans-1,3-Dichloropropene	75		6.217					ND	
78 3-Methylthiophene	97		6.242					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.248					ND	
79 1,1,2-Trichloroethane	83		6.364					ND	
81 Tetrachloroethene	166		6.419					ND	
82 1,3-Dichloropropane	76		6.492					ND	
80 2-Hexanone	43		6.534					ND	
155 n-Butyl acetate	43		6.614					ND	
83 Chlorodibromomethane	129		6.675					ND	
84 Ethylene Dibromide	107		6.760					ND	
139 1-Chlorohexane	55		7.077					ND	U
85 3-Chlorobenzotrifluoride	180		7.089					ND	
87 Chlorobenzene	112		7.120					ND	
86 4-Chlorobenzotrifluoride	180		7.132					ND	
88 Ethylbenzene	91		7.187					ND	
89 1,1,1,2-Tetrachloroethane	131		7.193					ND	
90 m-Xylene & p-Xylene	106		7.278					ND	
91 o-Xylene	106		7.607					ND	
92 Styrene	104		7.626					ND	
95 Bromoform	173		7.821					ND	
93 2-Chlorobenzotrifluoride	180		7.833					ND	
94 Isopropylbenzene	105		7.894					ND	
96 Cyclohexanone	55		8.034					ND	
101 Bromobenzene	156		8.180					ND	
97 1,1,2,2-Tetrachloroethane	83		8.205					ND	
99 N-Propylbenzene	91		8.235					ND	
100 1,2,3-Trichloropropane	110		8.235					ND	
98 trans-1,4-Dichloro-2-butene	53		8.241					ND	
103 2-Chlorotoluene	126		8.321					ND	
102 1,3,5-Trimethylbenzene	105		8.376					ND	
104 3-Chlorotoluene	126		8.376					ND	
105 4-Chlorotoluene	126		8.412					ND	
106 tert-Butylbenzene	134		8.644					ND	
107 1,2,4-Trimethylbenzene	105		8.686					ND	
108 Pentachloroethane	167		8.699					ND	
109 sec-Butylbenzene	105		8.821					ND	
110 4-Isopropyltoluene	119		8.942					ND	
111 1,3-Dichlorobenzene	146		8.949					ND	
114 Dicyclopentadiene	66		9.010					ND	
113 1,4-Dichlorobenzene	146		9.022					ND	
112 1,2,3-Trimethylbenzene	105		9.046					ND	
143 Benzyl chloride	91		9.150					ND	
115 n-Butylbenzene	91		9.284					ND	
116 1,2-Dichlorobenzene	146		9.339					ND	
117 1,2-Dibromo-3-Chloropropane	75		10.022					ND	
118 1,3,5-Trichlorobenzene	180		10.150					ND	
119 1,2,4-Trichlorobenzene	180		10.686					ND	
120 Hexachlorobutadiene	225		10.796					ND	
121 Naphthalene	128		10.899					ND	
122 1,2,3-Trichlorobenzene	180		11.094					ND	
142 2-Methylnaphthalene	142		11.778					ND	
149 Hexachloroethane	117		0.000					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
150 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00089 Amount Added: 1.00 Units: uL Run Reagent

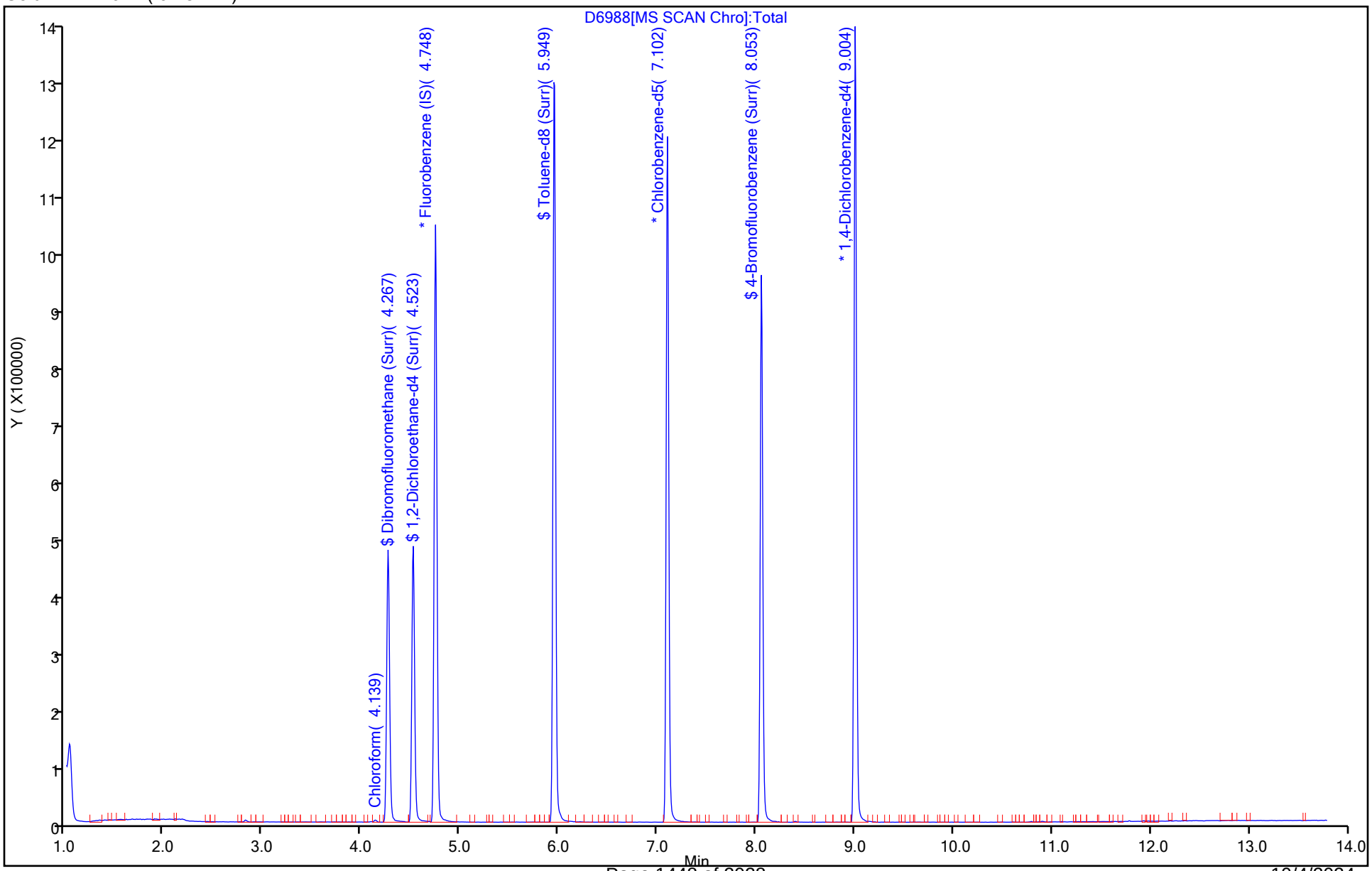
Report Date: 26-Sep-2024 11:58:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6988.d

Injection Date:	26-Sep-2024 00:29:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	40
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6988.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Sep-2024 00:29:30 ALS Bottle#: 40 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120223-008
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 11:58:56 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 11:58:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	25.3	101.01
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.65
$ 5 Toluene-d8 (Surr)	25.0	24.7	98.64
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.9	99.62

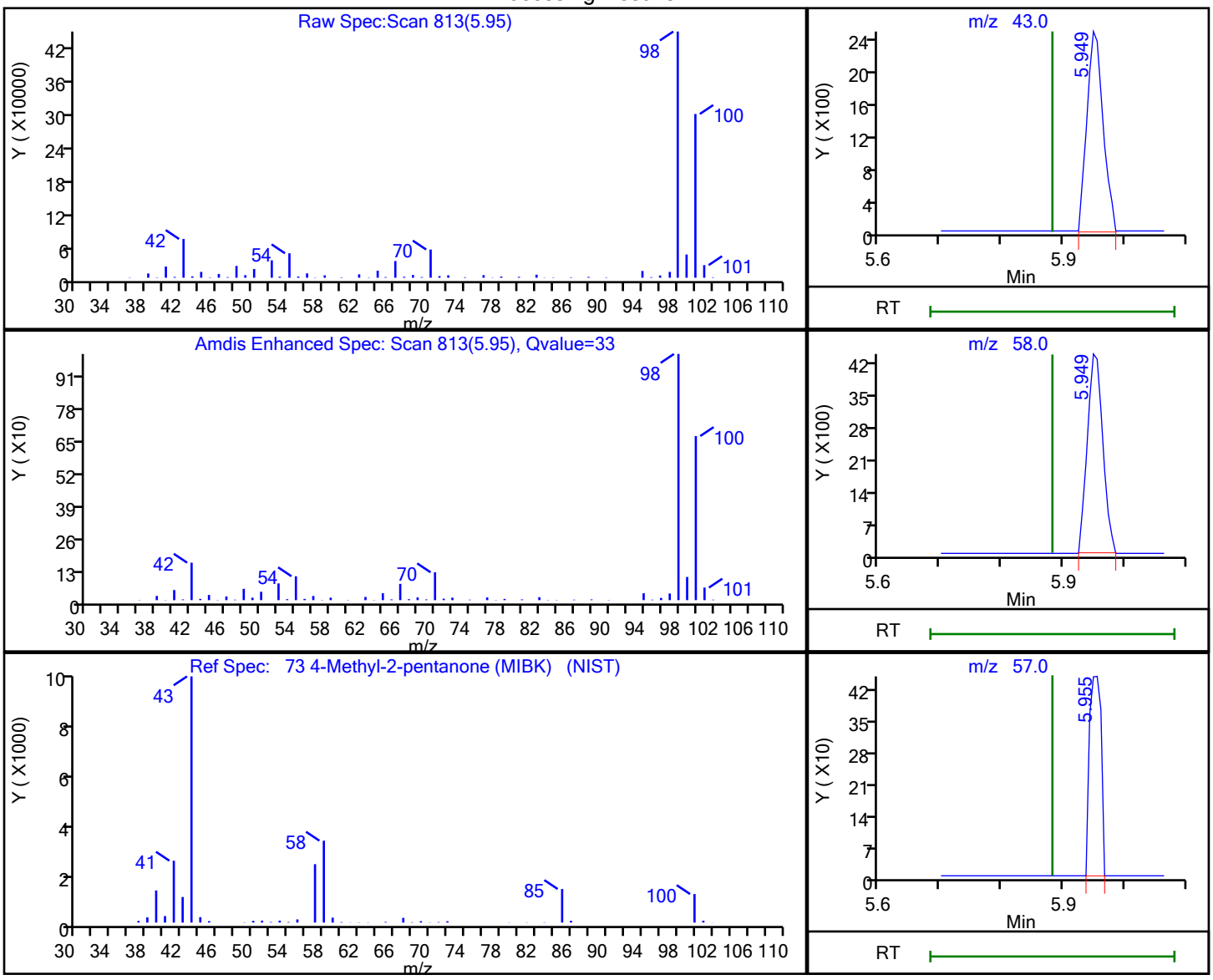
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6988.d
Injection Date: 26-Sep-2024 00:29:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: LH ALS Bottle#: 40 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4555	0.357163
5.95	58.00	7693	
5.96	57.00	597	

Reviewer: QR3Z, 26-Sep-2024 11:58:06 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726373/8

Matrix: Water | Lab File ID: S2508.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 12:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726373/8

Matrix: Water | Lab File ID: S2508.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 12:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2508.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Sep-2024 12:49:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120249-008
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 13:23:58 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: QR3Z Date: 27-Sep-2024 13:23:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	99	173095	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	87	344270	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	94	363519	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	57	222842	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	92	139198	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.248	6.253	0.000	93	788073	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.962	0.005	94	254818	25.0	22.9	
10 Dichlorodifluoromethane	85		0.992					ND	
11 Chlorodifluoromethane	51		1.010					ND	
12 Chloromethane	50		1.120					ND	
13 Vinyl chloride	62		1.193					ND	
151 Butadiene	54		1.217					ND	
14 Bromomethane	94		1.430					ND	
15 Chloroethane	64		1.509					ND	
16 Dichlorofluoromethane	67		1.679					ND	
17 Trichlorofluoromethane	101		1.686					ND	
18 Ethyl ether	59		1.917					ND	
148 Ethanol	45		1.929					ND	
19 Propene oxide	58		1.996					ND	
20 Acrolein	56		2.081					ND	
22 1,1-Dichloroethene	96		2.105					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.111					ND	
23 Acetone	43		2.227					ND	
25 Iodomethane	142		2.245					ND	
26 Carbon disulfide	76		2.276					ND	7
24 Isopropyl alcohol	45		2.404					ND	
28 3-Chloro-1-propene	41		2.446					ND	
27 Methyl acetate	43		2.501					ND	
29 Acetonitrile	40		2.513					ND	
30 Methylene Chloride	84		2.580					ND	
31 2-Methyl-2-propanol	59		2.768					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.781					ND	
34 trans-1,2-Dichloroethene	96		2.793					ND	
33 Acrylonitrile	53		2.860					ND	
35 Hexane	57		2.981					ND	
39 1,1-Dichloroethane	63		3.194					ND	
36 Isopropyl ether	45		3.219					ND	
40 2-Chloro-1,3-butadiene	53		3.255					ND	
37 Vinyl acetate	43		3.261					ND	
38 1,1-Dimethoxyethane	75		3.292					ND	
41 Tert-butyl ethyl ether	59		3.547					ND	
44 2,2-Dichloropropane	77		3.693					ND	
45 cis-1,2-Dichloroethene	96		3.736					ND	
43 2-Butanone (MEK)	43		3.778					ND	
42 Ethyl acetate	43		3.815					ND	
139 Halothane	117		3.822					ND	
46 Propionitrile	54		3.882					ND	
48 Chlorobromomethane	128		3.961					ND	
49 Tetrahydrofuran	42		3.973					ND	
47 Methacrylonitrile	41		3.985					ND	
50 Chloroform	83	4.046	4.046	0.000	25	2846		0.1769	
51 1,1,1-Trichloroethane	97		4.137					ND	
52 Cyclohexane	56		4.137					ND	
55 Carbon tetrachloride	117		4.271					ND	
54 1,1-Dichloropropene	75		4.289					ND	
57 Benzene	78		4.484					ND	
152 Isooctane	57		4.484					ND	
53 Isobutyl alcohol	43		4.551					ND	
58 1,2-Dichloroethane	62		4.557					ND	
56 Tert-amyl methyl ether	73		4.575					ND	
147 t-Amyl alcohol	59		4.600					ND	
59 n-Heptane	43		4.679					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
1 1,4-Difluorobenzene	114		4.880					ND	
62 Trichloroethene	95		5.092					ND	
60 n-Butanol	56		5.165					ND	
64 Methylcyclohexane	83		5.196					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.202					ND	
142 Ethyl acrylate	55		5.238					ND	
65 1,2-Dichloropropane	63		5.330					ND	
63 Methyl methacrylate	41		5.451					ND	
67 Dibromomethane	93		5.463					ND	
66 1,4-Dioxane	88		5.482					ND	
68 Dichlorobromomethane	83		5.622					ND	
70 2-Nitropropane	43		5.877					ND	
69 2-Chloroethyl vinyl ether	63		5.914					ND	
71 Epichlorohydrin	57		5.999					ND	
72 cis-1,3-Dichloropropene	75		6.035					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187					ND	
74 Toluene	92		6.309					ND	
76 2-Methylthiophene	97		6.443					ND	
77 trans-1,3-Dichloropropene	75		6.601					ND	
78 3-Methylthiophene	97		6.607					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.668					ND	
79 1,1,2-Trichloroethane	83		6.784					ND	
81 Tetrachloroethene	166		6.826					ND	
82 1,3-Dichloropropane	76		6.942					ND	
80 2-Hexanone	43		7.027					ND	
155 n-Butyl acetate	43		7.143					ND	
83 Chlorodibromomethane	129		7.167					ND	
84 Ethylene Dibromide	107		7.258					ND	
146 1-Chlorohexane	55		7.708					ND	U
87 Chlorobenzene	112		7.733					ND	
85 3-Chlorobenzotrifluoride	180		7.733					ND	
86 4-Chlorobenzotrifluoride	180		7.794					ND	
88 Ethylbenzene	91		7.836					ND	
89 1,1,1,2-Tetrachloroethane	131		7.842					ND	
90 m-Xylene & p-Xylene	106		7.958					ND	
91 o-Xylene	106		8.377					ND	
92 Styrene	104		8.408					ND	
95 Bromoform	173		8.645					ND	
93 2-Chlorobenzotrifluoride	180		8.700					ND	
94 Isopropylbenzene	105		8.761					ND	
96 Cyclohexanone	55		8.937					ND	
101 Bromobenzene	156		9.101					ND	
97 1,1,2,2-Tetrachloroethane	83		9.193					ND	
99 N-Propylbenzene	91		9.205					ND	
100 1,2,3-Trichloropropane	110		9.217					ND	
98 trans-1,4-Dichloro-2-butene	53		9.247					ND	
103 2-Chlorotoluene	126		9.302					ND	
104 3-Chlorotoluene	126		9.375					ND	
102 1,3,5-Trimethylbenzene	105		9.400					ND	
105 4-Chlorotoluene	126		9.424					ND	
106 tert-Butylbenzene	134		9.734					ND	
107 1,2,4-Trimethylbenzene	105		9.789					ND	
108 Pentachloroethane	167		9.789					ND	
109 sec-Butylbenzene	105		9.953					ND	
111 1,3-Dichlorobenzene	146		10.081					ND	
110 4-Isopropyltoluene	119		10.105					ND	
114 Dicyclopentadiene	66		10.142					ND	
113 1,4-Dichlorobenzene	146		10.178					ND	
112 1,2,3-Trimethylbenzene	105		10.215					ND	
150 Benzyl chloride	126		10.337					ND	
115 n-Butylbenzene	91		10.507					ND	7
116 1,2-Dichlorobenzene	146		10.537					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.292					ND	
118 1,3,5-Trichlorobenzene	180		11.425					ND	
119 1,2,4-Trichlorobenzene	180		11.973					ND	
120 Hexachlorobutadiene	225		12.088					ND	
121 Naphthalene	128		12.180					ND	
122 1,2,3-Trichlorobenzene	180		12.387					ND	
149 2-Methylnaphthalene	142		13.105					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
134 Pentachloroethane TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

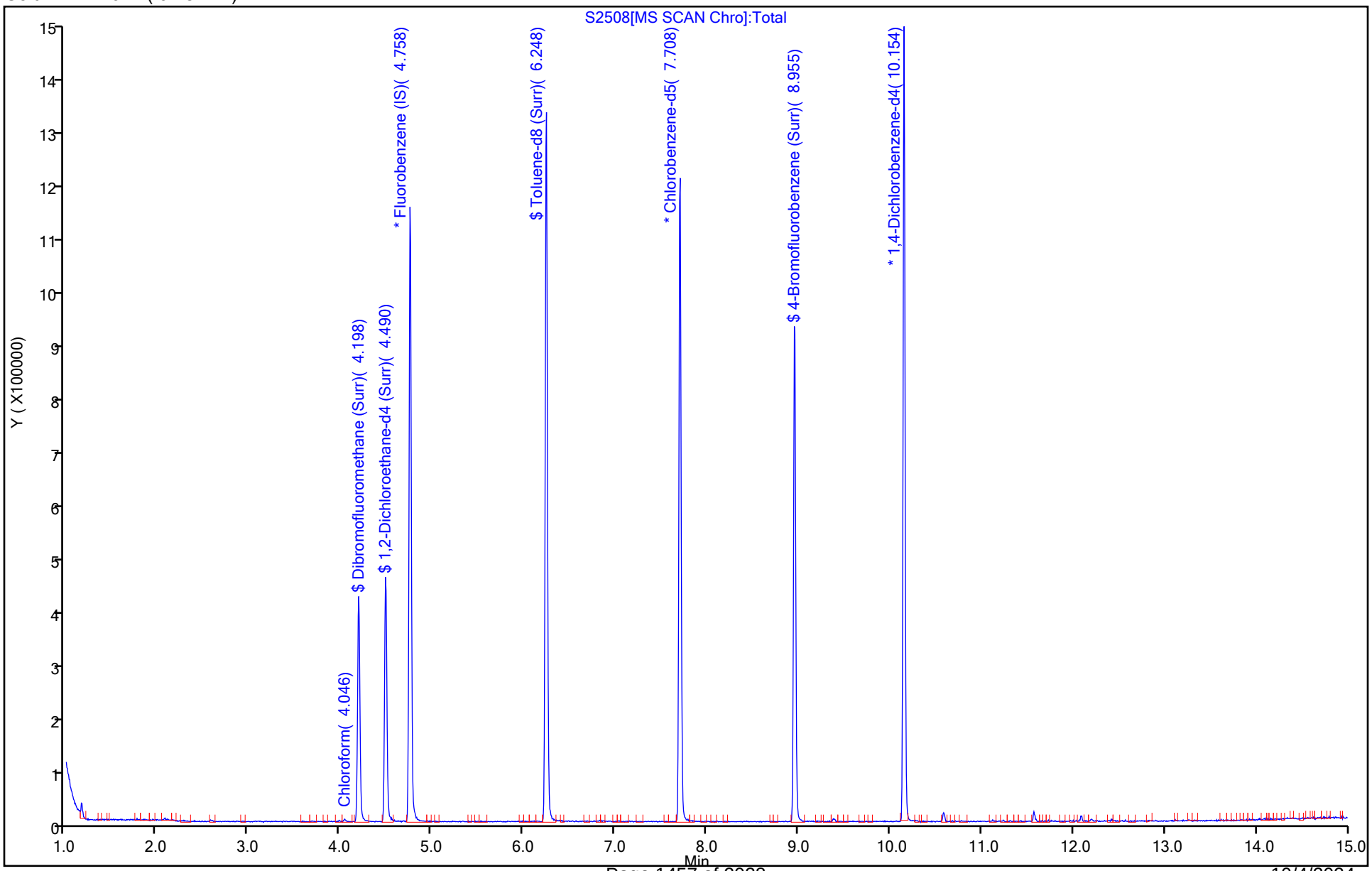
Report Date: 27-Sep-2024 13:23:59 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2508.d

Injection Date:	27-Sep-2024 12:49:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2508.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Sep-2024 12:49:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120249-008
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 13:23:58 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: QR3Z Date: 27-Sep-2024 13:23:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.2	100.93
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.3	101.17
$ 5 Toluene-d8 (Surr)	25.0	25.6	102.55
$ 6 4-Bromofluorobenzene (Surr)	25.0	22.9	91.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726382/8

Matrix: Water | Lab File ID: D7044.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 12:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726382/8

Matrix: Water | Lab File ID: D7044.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 12:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7044.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Sep-2024 12:30:30 ALS Bottle#: 36 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120250-008
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 15:07:58 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 15:07:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.742	0.006	98	180322	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.096	0.005	87	368796	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.003	9.004	-0.001	95	398985	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.266	0.006	92	286608	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.517	0.006	99	164770	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	5.949	5.954	0.000	94	862559	25.0	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.052	8.059	-0.001	93	295095	25.0	23.9	
10 Dichlorodifluoromethane	85		1.121					ND	
11 Chlorodifluoromethane	51		1.139					ND	
12 Chloromethane	50		1.280					ND	
13 Vinyl chloride	62		1.353					ND	
144 Butadiene	54		1.371					ND	
14 Bromomethane	94		1.633					ND	7
15 Chloroethane	64		1.694					ND	
16 Dichlorofluoromethane	67		1.901					ND	
17 Trichlorofluoromethane	101		1.908					ND	
18 Ethyl ether	59		2.151					ND	
141 Ethanol	45		2.164					ND	
19 Propene oxide	58		2.231					ND	
20 Acrolein	56		2.310					ND	
22 1,1-Dichloroethene	96		2.353					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.359					ND	
23 Acetone	43		2.456					ND	
25 Iodomethane	142		2.505					ND	
26 Carbon disulfide	76		2.535					ND	
24 Isopropyl alcohol	45		2.633					ND	
28 3-Chloro-1-propene	41		2.688					ND	
27 Methyl acetate	43		2.731					ND	
29 Acetonitrile	40		2.737					ND	
30 Methylene Chloride	84	2.828	2.828	0.012	96	725		-0.7826	7a
31 2-Methyl-2-propanol	59		2.974					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.011					ND	
34 trans-1,2-Dichloroethene	96		3.023					ND	
33 Acrylonitrile	53		3.066					ND	
35 Hexane	57		3.200					ND	
39 1,1-Dichloroethane	63		3.389					ND	
36 Isopropyl ether	45		3.413					ND	
132 Halothane	117		3.432					ND	
37 Vinyl acetate	43		3.444					ND	
40 2-Chloro-1,3-butadiene	53		3.450					ND	
38 1,1-Dimethoxyethane	75		3.474					ND	
41 Tert-butyl ethyl ether	59		3.706					ND	
44 2,2-Dichloropropane	77		3.840					ND	
45 cis-1,2-Dichloroethene	96		3.871					ND	
43 2-Butanone (MEK)	43		3.895					ND	
42 Ethyl acetate	43		3.932					ND	
46 Propionitrile	54		3.980					ND	
48 Chlorobromomethane	128		4.066					ND	
47 Methacrylonitrile	41		4.078					ND	
49 Tetrahydrofuran	42		4.084					ND	
50 Chloroform	83	4.139	4.133	0.006	91	2758		0.1599	
51 1,1,1-Trichloroethane	97		4.230					ND	
52 Cyclohexane	56		4.242					ND	
55 Carbon tetrachloride	117		4.346					ND	
54 1,1-Dichloropropene	75		4.358					ND	
57 Benzene	78		4.523					ND	
146 Isooctane	57		4.529					ND	
53 Isobutyl alcohol	43		4.535					ND	
58 1,2-Dichloroethane	62		4.578					ND	
140 t-Amyl alcohol	59		4.584					ND	
56 Tert-amyl methyl ether	73		4.590					ND	
59 n-Heptane	43		4.675					ND	
1 1,4-Difluorobenzene	114		4.840					ND	
154 2,4,4-Trimethyl-1-pentene	55		4.931					ND	
62 Trichloroethene	95		5.023					ND	
60 n-Butanol	56		5.041					ND	
64 Methylcyclohexane	83		5.120					ND	
145 Ethyl acrylate	55		5.120					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.126					ND	
65 1,2-Dichloropropane	63		5.212					ND	
63 Methyl methacrylate	41		5.291					ND	
67 Dibromomethane	93		5.322					ND	
66 1,4-Dioxane	88		5.328					ND	
68 Dichlorobromomethane	83		5.443					ND	
70 2-Nitropropane	43		5.639					ND	
69 2-Chloroethyl vinyl ether	63		5.663					ND	
71 Epichlorohydrin	57		5.736					ND	
72 cis-1,3-Dichloropropene	75		5.773					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.882					ND	U
74 Toluene	92		5.998					ND	
76 2-Methylthiophene	97		6.114					ND	
77 trans-1,3-Dichloropropene	75		6.212					ND	
75 Ethyl methacrylate	69		6.242					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		6.242					ND	
79 1,1,2-Trichloroethane	83		6.358					ND	
81 Tetrachloroethene	166		6.419					ND	
82 1,3-Dichloropropane	76		6.486					ND	
80 2-Hexanone	43		6.529					ND	
155 n-Butyl acetate	43		6.614					ND	
83 Chlorodibromomethane	129		6.675					ND	
84 Ethylene Dibromide	107		6.754					ND	
139 1-Chlorohexane	55		7.077					ND	U
85 3-Chlorobenzotrifluoride	180		7.089					ND	
87 Chlorobenzene	112		7.120					ND	
86 4-Chlorobenzotrifluoride	180		7.132					ND	
88 Ethylbenzene	91		7.187					ND	
89 1,1,1,2-Tetrachloroethane	131		7.193					ND	
90 m-Xylene & p-Xylene	106		7.278					ND	
91 o-Xylene	106		7.608					ND	
92 Styrene	104		7.626					ND	
95 Bromoform	173		7.821					ND	
93 2-Chlorobenzotrifluoride	180		7.833					ND	
94 Isopropylbenzene	105		7.894					ND	
96 Cyclohexanone	55		8.034					ND	
101 Bromobenzene	156		8.175					ND	
97 1,1,2,2-Tetrachloroethane	83		8.199					ND	
99 N-Propylbenzene	91		8.229					ND	
100 1,2,3-Trichloropropane	110		8.236					ND	
98 trans-1,4-Dichloro-2-butene	53		8.242					ND	
103 2-Chlorotoluene	126		8.321					ND	
104 3-Chlorotoluene	126		8.376					ND	
102 1,3,5-Trimethylbenzene	105		8.376					ND	
105 4-Chlorotoluene	126		8.412					ND	
106 tert-Butylbenzene	134		8.644					ND	
107 1,2,4-Trimethylbenzene	105		8.687					ND	
108 Pentachloroethane	167		8.699					ND	
109 sec-Butylbenzene	105		8.821					ND	
110 4-Isopropyltoluene	119		8.943					ND	
111 1,3-Dichlorobenzene	146		8.949					ND	
114 Dicyclopentadiene	66		9.010					ND	
113 1,4-Dichlorobenzene	146		9.022					ND	
112 1,2,3-Trimethylbenzene	105		9.046					ND	
143 Benzyl chloride	91		9.150					ND	
115 n-Butylbenzene	91		9.284					ND	7
116 1,2-Dichlorobenzene	146		9.339					ND	
117 1,2-Dibromo-3-Chloropropane	75		10.016					ND	
118 1,3,5-Trichlorobenzene	180		10.150					ND	
119 1,2,4-Trichlorobenzene	180		10.686					ND	
120 Hexachlorobutadiene	225		10.790					ND	
121 Naphthalene	128		10.894					ND	
122 1,2,3-Trichlorobenzene	180		11.095					ND	
142 2-Methylnaphthalene	142		11.778					ND	
149 Hexachloroethane	117		0.000					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
150 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

D 8260 IS/SUR_00092 Amount Added: 1.00 Units: uL Run Reagent

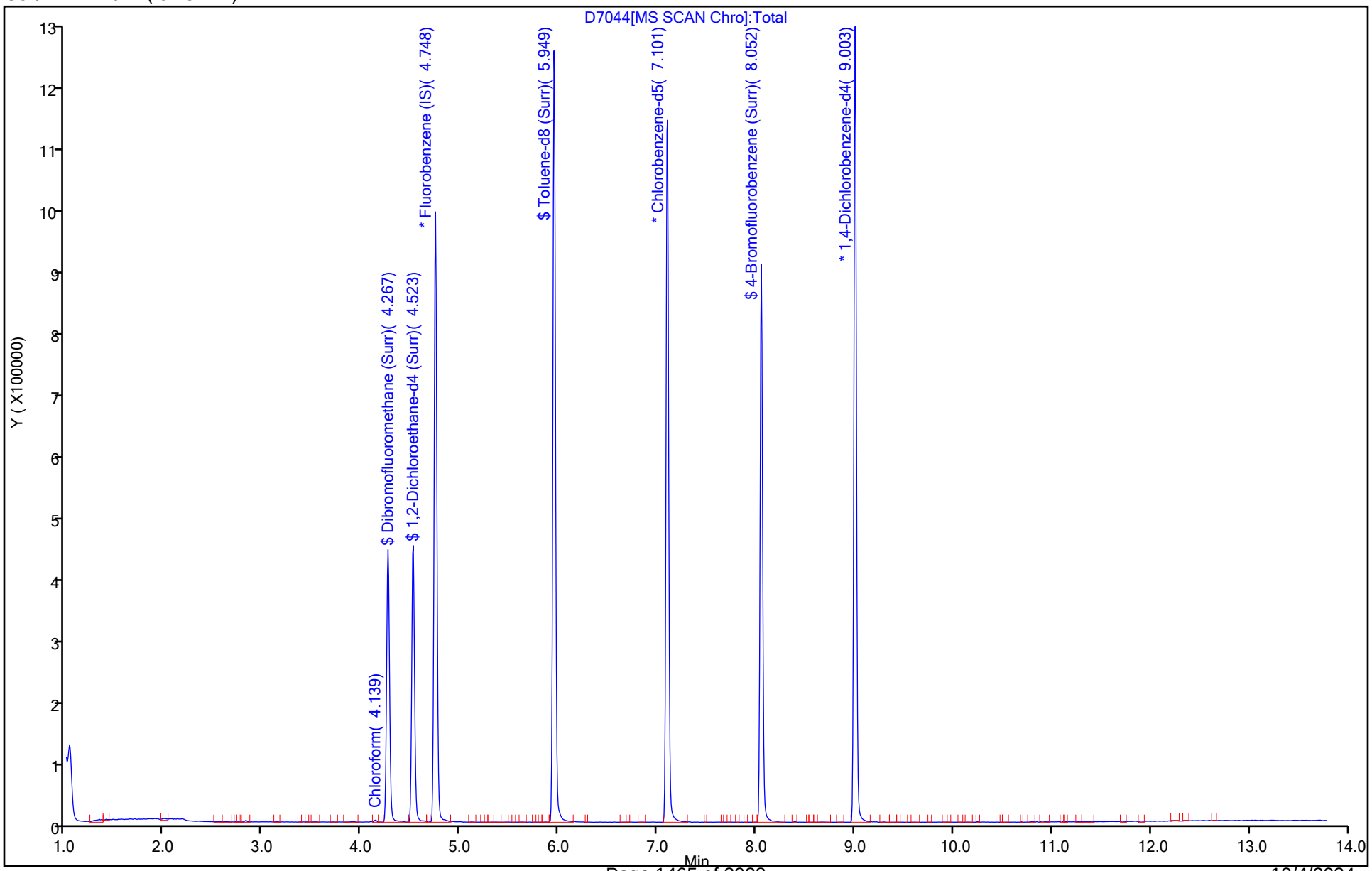
Report Date: 27-Sep-2024 15:08:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7044.d

Injection Date:	27-Sep-2024 12:30:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	36
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7044.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Sep-2024 12:30:30 ALS Bottle#: 36 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120250-008
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 15:07:58 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 15:07:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	24.7	98.88
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.1	100.24
$ 5 Toluene-d8 (Surr)	25.0	24.2	96.94
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.9	95.48

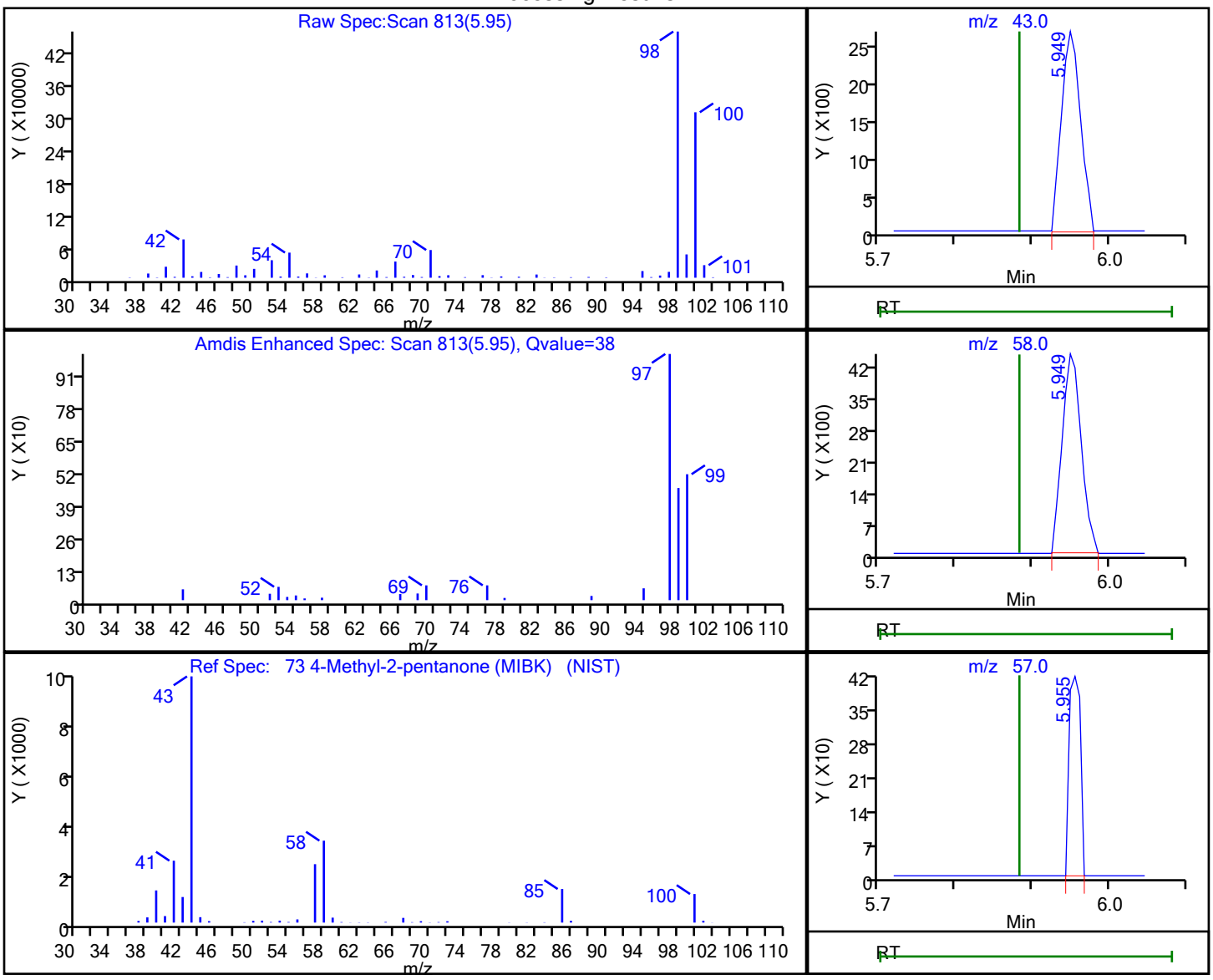
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7044.d
Injection Date: 27-Sep-2024 12:30:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: LH ALS Bottle#: 36 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.95	43.00	4609	0.357197
5.95	58.00	7766	
5.96	57.00	429	

Reviewer: HF3K, 27-Sep-2024 15:07:04 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

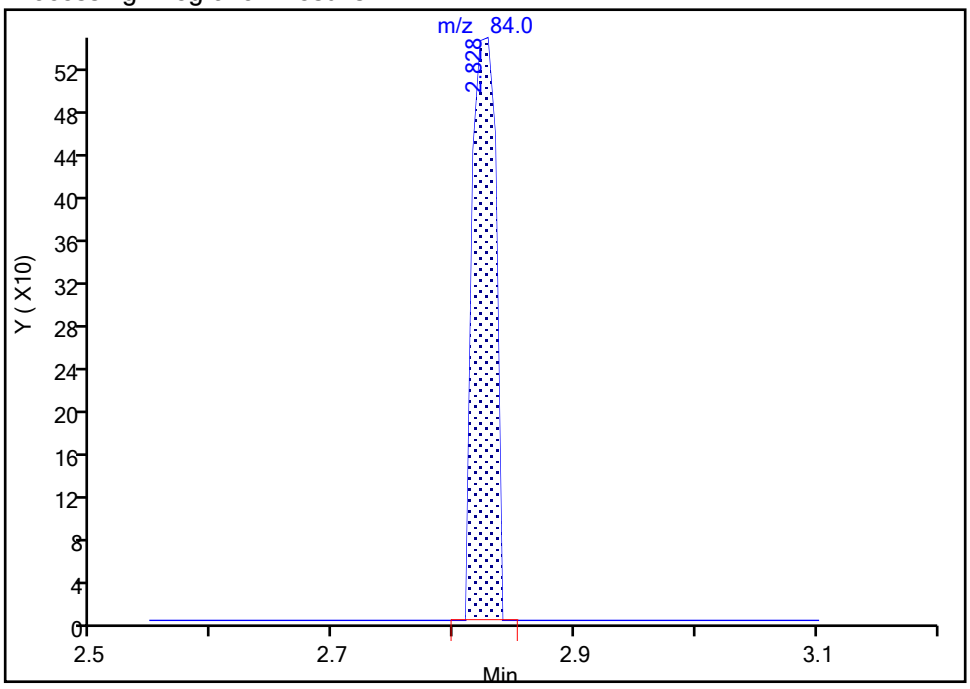
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7044.d
Injection Date: 27-Sep-2024 12:30:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: LH ALS Bottle#: 36 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

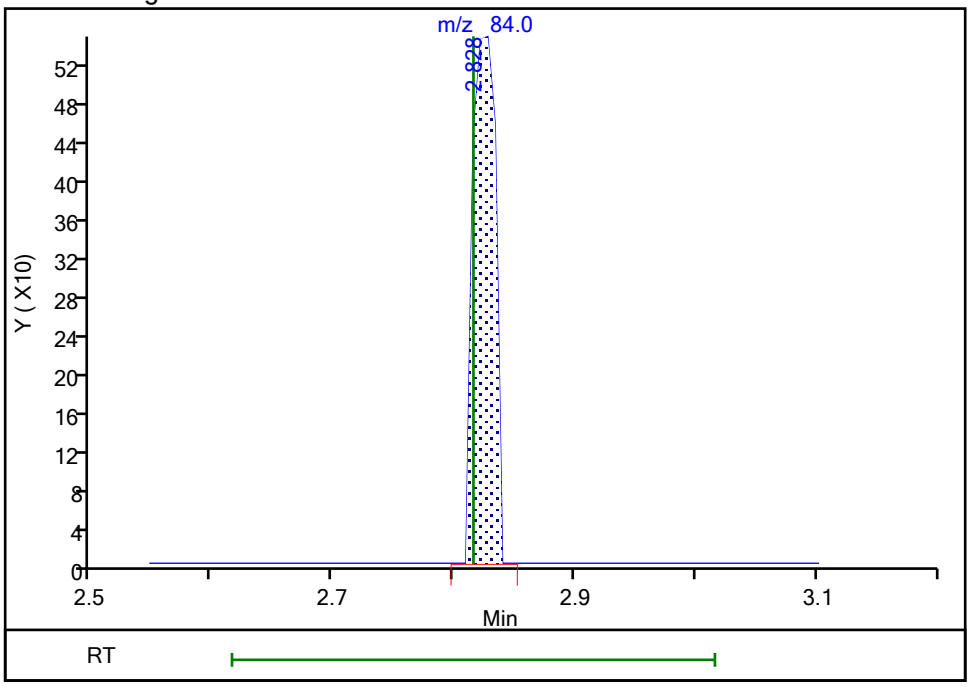
Processing Integration Results

RT: 2.83
Area: 725
Amount: -0.782578
Amount Units: ug/L



Manual Integration Results

RT: 2.83
Area: 725
Amount: -0.782578
Amount Units: ug/L



Reviewer: HF3K, 27-Sep-2024 15:06:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726431/8

Matrix: Water | Lab File ID: K5212.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 00:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726431/8

Matrix: Water | Lab File ID: K5212.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 00:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5212.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Sep-2024 00:55:01 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120263-008
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:55:01 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 09:55:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	98	111412	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	89	403657	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.719	0.003	97	198936	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.739	0.003	92	146275	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	98	177877	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	6.857	6.854	0.003	95	549329	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	146245	25.0	23.5	
11 Dichlorodifluoromethane	85		1.179					ND	
12 Chlorodifluoromethane	51		1.195					ND	
13 Chloromethane	50		1.350					ND	
14 Vinyl chloride	62		1.437					ND	
151 Butadiene	54		1.469					ND	
15 Bromomethane	94		1.745					ND	
16 Chloroethane	64		1.838					ND	
18 Dichlorofluoromethane	67		2.054					ND	
17 Trichlorofluoromethane	101		2.070					ND	
19 Ethyl ether	59		2.353					ND	
148 Ethanol	45		2.385					ND	
21 Acrolein	56		2.501					ND	
22 1,1-Dichloroethene	96		2.565					ND	
84 Propene oxide	58		2.585					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.591					ND	
23 Acetone	43		2.658					ND	
24 Iodomethane	142		2.745					ND	
25 Carbon disulfide	76		2.768					ND	
26 Isopropyl alcohol	45		2.881					ND	
27 3-Chloro-1-propene	41		2.929					ND	
29 Acetonitrile	40		2.961					ND	
28 Methyl acetate	43		2.974					ND	
30 Methylene Chloride	84		3.067					ND	7
31 2-Methyl-2-propanol	59		3.234					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		3.308					ND	
32 trans-1,2-Dichloroethene	96		3.314					ND	
34 Acrylonitrile	53		3.321					ND	
35 Hexane	57		3.543					ND	7
36 1,1-Dichloroethane	63		3.723					ND	
139 Halothane	117		3.759					ND	
38 2-Chloro-1,3-butadiene	53		3.765					ND	
37 Isopropyl ether	45		3.771					ND	
39 Vinyl acetate	43		3.781					ND	
40 1,1-Dimethoxyethane	75		3.829					ND	
41 Tert-butyl ethyl ether	59		4.112					ND	
42 2,2-Dichloropropane	77		4.253					ND	
43 cis-1,2-Dichloroethene	96		4.279					ND	
44 2-Butanone (MEK)	43		4.301					ND	
45 Ethyl acetate	43		4.353					ND	
46 Propionitrile	54		4.382					ND	
49 Methacrylonitrile	41		4.504					ND	
47 Chlorobromomethane	128		4.507					ND	
48 Tetrahydrofuran	42		4.543					ND	
50 Chloroform	83	4.591	4.588	0.003	90	2219		0.2375	
51 1,1,1-Trichloroethane	97		4.723					ND	
52 Cyclohexane	56		4.755					ND	
53 Carbon tetrachloride	117		4.871					ND	
54 1,1-Dichloropropene	75		4.877					ND	
56 Isobutyl alcohol	43		5.070					ND	
55 Benzene	78		5.073					ND	
152 Isooctane	57		5.112					ND	
57 1,2-Dichloroethane	62		5.118					ND	
147 t-Amyl alcohol	59		5.144					ND	
58 Tert-amyl methyl ether	73		5.170					ND	
59 n-Heptane	43		5.295					ND	
1 1,4-Difluorobenzene	114		5.449					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.607					ND	
60 Trichloroethene	95		5.687					ND	
61 n-Butanol	56		5.697					ND	
142 Ethyl acrylate	55		5.775					ND	
62 Methylcyclohexane	83		5.835					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.848					ND	
63 1,2-Dichloropropane	63		5.909					ND	
64 Methyl methacrylate	41		6.025					ND	
65 Dibromomethane	93		6.038					ND	
66 1,4-Dioxane	88		6.054					ND	
67 Dichlorobromomethane	83		6.195					ND	
68 2-Nitropropane	43		6.423					ND	
69 2-Chloroethyl vinyl ether	63		6.478					ND	
70 Epichlorohydrin	57		6.555					ND	
71 cis-1,3-Dichloropropene	75		6.617					ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758					ND	
73 Toluene	92		6.919					ND	
74 2-Methylthiophene	97		7.054					ND	
75 trans-1,3-Dichloropropene	75		7.176					ND	
76 3-Methylthiophene	97		7.214					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		7.244					ND	
78 1,1,2-Trichloroethane	83		7.359					ND	
79 Tetrachloroethene	166		7.465					ND	
80 1,3-Dichloropropane	76		7.523					ND	
81 2-Hexanone	43		7.597					ND	U
155 n-Butyl acetate	43		7.726					ND	
82 Chlorodibromomethane	129		7.758					ND	
83 Ethylene Dibromide	107		7.864					ND	
146 1-Chlorohexane	55		8.324					ND	U
85 3-Chlorobenzotrifluoride	180		8.337					ND	
86 Chlorobenzene	112		8.356					ND	
87 4-Chlorobenzotrifluoride	180		8.395					ND	
89 1,1,1,2-Tetrachloroethane	131		8.449					ND	
88 Ethylbenzene	91		8.459					ND	
90 m-Xylene & p-Xylene	106		8.581					ND	
91 o-Xylene	106		9.002					ND	
92 Styrene	104		9.028					ND	
93 Bromoform	173		9.253					ND	
94 2-Chlorobenzotrifluoride	180		9.304					ND	
95 Isopropylbenzene	105		9.395					ND	
96 Cyclohexanone	55		9.526					ND	U
97 Bromobenzene	156		9.726					ND	
98 1,1,2,2-Tetrachloroethane	83		9.761					ND	
100 1,2,3-Trichloropropane	110		9.797					ND	
101 trans-1,4-Dichloro-2-butene	53		9.809					ND	
99 N-Propylbenzene	91		9.825					ND	
105 2-Chlorotoluene	126		9.919					ND	
103 3-Chlorotoluene	126		9.983					ND	
104 1,3,5-Trimethylbenzene	105		10.005					ND	
102 4-Chlorotoluene	91		10.031					ND	
106 tert-Butylbenzene	134		10.324					ND	
108 Pentachloroethane	167		10.366					ND	
107 1,2,4-Trimethylbenzene	105		10.375					ND	
109 sec-Butylbenzene	105		10.536					ND	
110 1,3-Dichlorobenzene	146		10.655					ND	
111 4-Isopropyltoluene	119		10.674					ND	
112 Dicyclopentadiene	66		10.742					ND	U
113 1,4-Dichlorobenzene	146		10.742					ND	7
114 1,2,3-Trimethylbenzene	105		10.780					ND	
150 Benzyl chloride	126		10.880					ND	
115 n-Butylbenzene	91		11.060					ND	
116 1,2-Dichlorobenzene	146		11.092					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806					ND	
118 1,3,5-Trichlorobenzene	180		11.967					ND	
119 1,2,4-Trichlorobenzene	180		12.501					ND	
120 Hexachlorobutadiene	225		12.626					ND	
121 Naphthalene	128		12.706					ND	
122 1,2,3-Trichlorobenzene	180		12.909					ND	7
149 2-Methylnaphthalene	142	13.616	13.619	-0.003	90	982		0.0778	7
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7
S 126 Xylenes, Total	1		30.000					ND	7
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7
S 125 Total BTEX	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

K WATER IS/SS_00014 Amount Added: 5.00 Units: uL Run Reagent

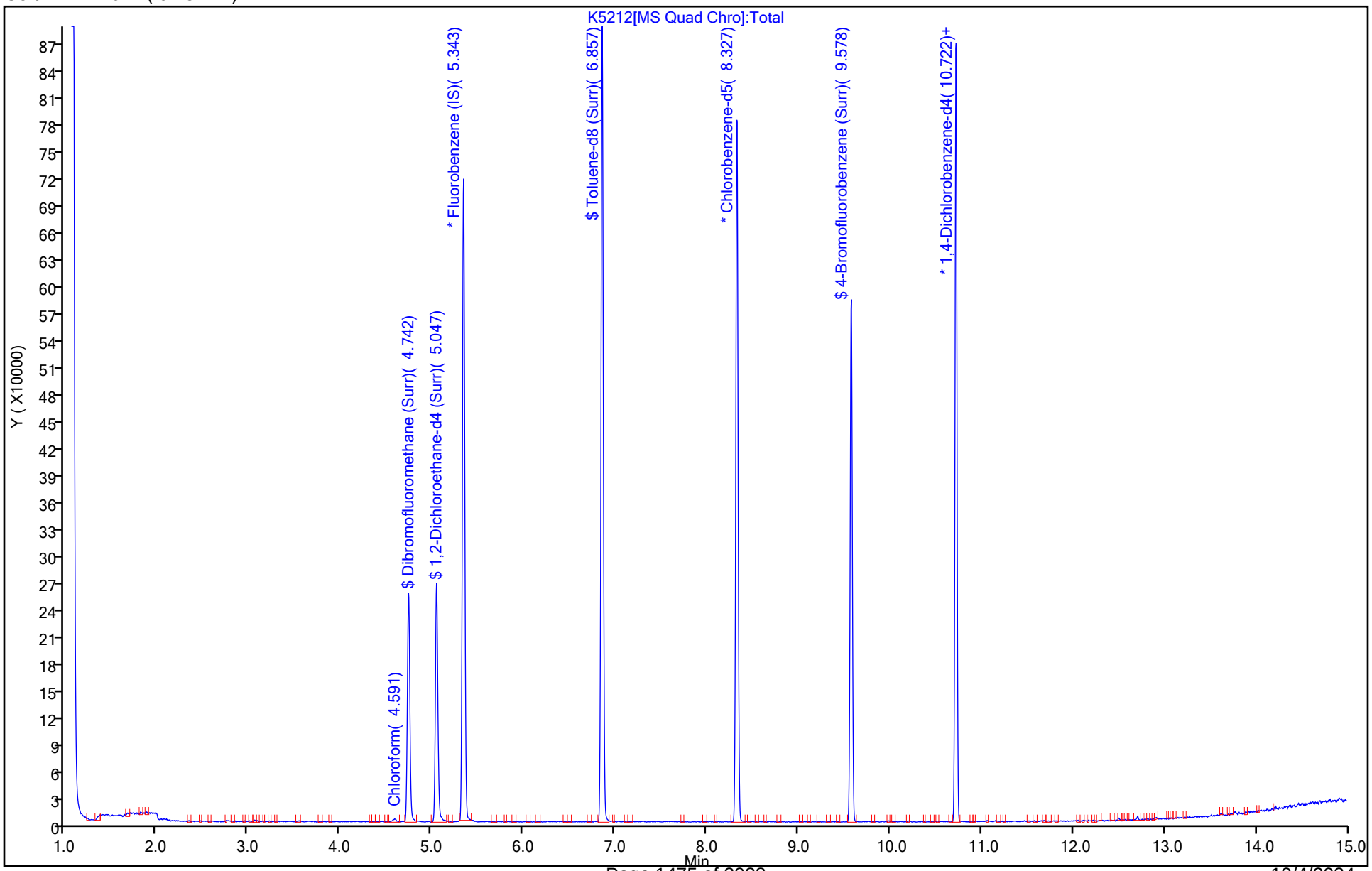
Report Date: 30-Sep-2024 09:55:02 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5212.D

Injection Date:	28-Sep-2024 00:55:01	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5212.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Sep-2024 00:55:01 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120263-008
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:55:01 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 09:55:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.2	100.60
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.1	100.57
$ 6 Toluene-d8 (Surr)	25.0	25.2	100.60
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.5	94.01

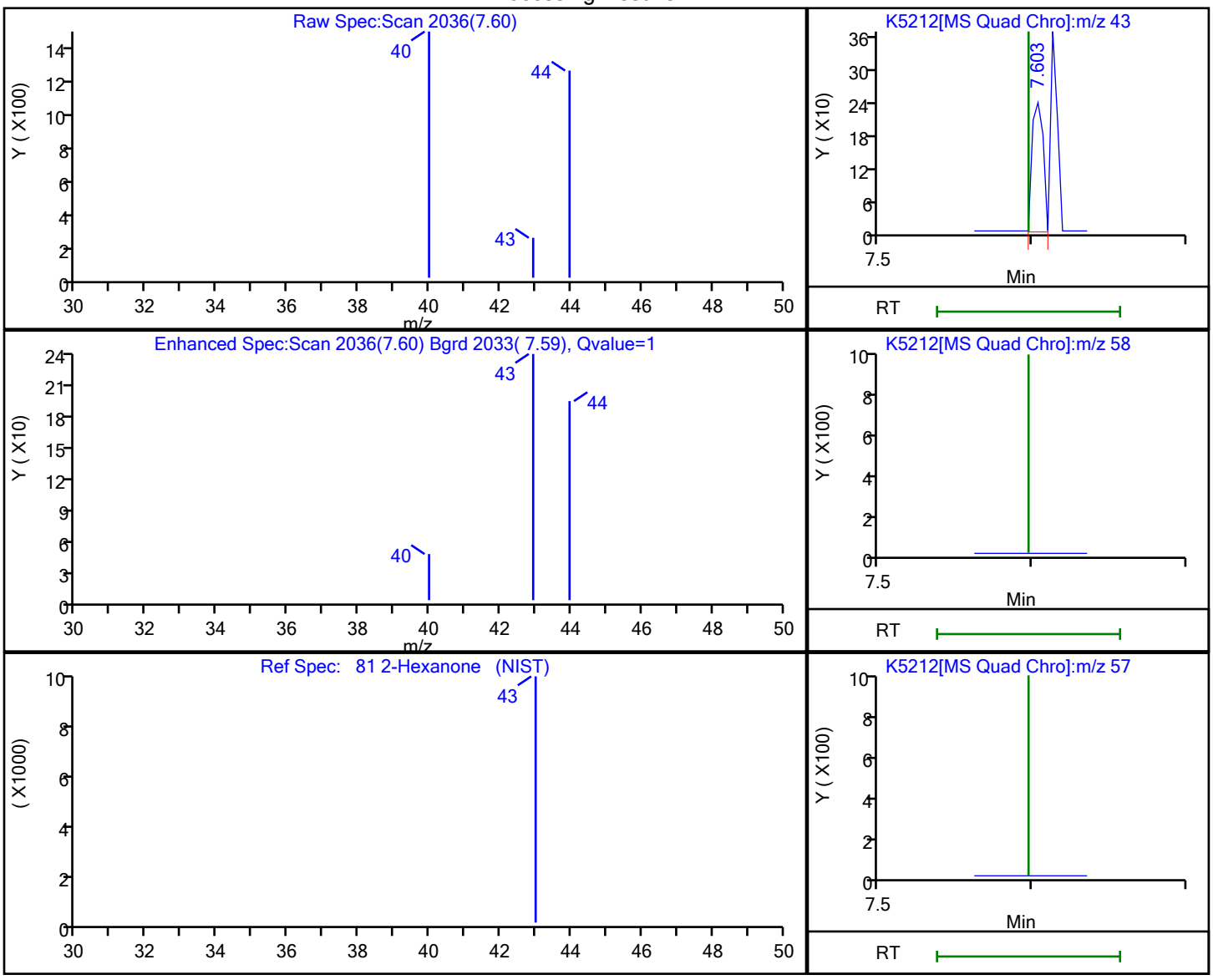
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5212.D
Injection Date: 28-Sep-2024 00:55:01 Instrument ID: HP5977K
Lims ID: MB
Client ID:
Operator ID: RS ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

81 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.60	43.00	119	0.019536
7.60	58.00	0	
7.60	57.00	0	

Reviewer: WLL8, 30-Sep-2024 09:54:37 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726463/8

Matrix: Water | Lab File ID: L8922.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 05:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726463/8

Matrix: Water | Lab File ID: L8922.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 05:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8922.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Sep-2024 05:08:57 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120267-008
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:49:57 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:49:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	132964	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.535	8.532	0.003	88	495738	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	263841	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.101	5.098	0.003	93	178657	25.0	25.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.397	5.394	0.003	98	221486	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	683457	25.0	26.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	97	204210	25.0	28.2	
10 Dichlorodifluoromethane	85		1.738					ND	
9 Chlorodifluoromethane	51		1.767					ND	
13 Chloromethane	50		1.957					ND	
14 Vinyl chloride	62		2.059					ND	
15 Butadiene	54		2.092					ND	
18 Bromomethane	94		2.410					ND	
19 Chloroethane	64		2.513					ND	
20 Dichlorofluoromethane	67		2.699					ND	
21 Trichlorofluoromethane	101		2.725					ND	
11 Ethanol	45		2.986					ND	
26 Ethyl ether	59		2.998					ND	
12 Propene oxide	58		3.072					ND	
28 Acrolein	56		3.137					ND	
30 1,1-Dichloroethene	96		3.198					ND	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.201					ND	
31 Acetone	43		3.288					ND	
33 Iodomethane	142		3.358					ND	
35 Carbon disulfide	76		3.416					ND	
16 Isopropyl alcohol	45		3.449					ND	
37 3-Chloro-1-propene	41		3.510					ND	
17 Acetonitrile	40		3.535					ND	
38 Methyl acetate	43		3.551					ND	
39 Methylene Chloride	84		3.632					ND	7
40 2-Methyl-2-propanol	59		3.783					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
42 trans-1,2-Dichloroethene	96		3.847					ND	
44 Acrylonitrile	53		3.854					ND	
41 Methyl tert-butyl ether	73		3.863					ND	
47 Hexane	57		4.037					ND	
23 Halothane	117		4.182					ND	
50 1,1-Dichloroethane	63		4.204					ND	
22 Isopropyl ether	45		4.236					ND	
49 Vinyl acetate	43		4.239					ND	
24 2-Chloro-1,3-butadiene	53		4.275					ND	
25 1,1-Dimethoxyethane	75		4.307					ND	
27 Tert-butyl ethyl ether	59		4.542					ND	
56 2,2-Dichloropropane	77		4.683					ND	
58 cis-1,2-Dichloroethene	96		4.702					ND	
57 2-Butanone (MEK)	43		4.728					ND	
32 Ethyl acetate	43		4.754					ND	
34 Propionitrile	54		4.786					ND	
36 Methacrylonitrile	41		4.895					ND	
60 Chlorobromomethane	128		4.908					ND	
62 Chloroform	83		4.960					ND	
61 Tetrahydrofuran	42		4.992					ND	
64 1,1,1-Trichloroethane	97		5.114					ND	
65 Cyclohexane	56		5.153					ND	
67 1,1-Dichloropropene	75		5.246					ND	
66 Carbon tetrachloride	117		5.255					ND	
69 Isobutyl alcohol	43		5.378					ND	
70 Benzene	78		5.432					ND	
43 Isooctane	57		5.442					ND	
72 1,2-Dichloroethane	62		5.458					ND	
45 t-Amyl alcohol	59		5.458					ND	
46 Tert-amyl methyl ether	73		5.513					ND	
73 n-Heptane	43		5.583					ND	
48 1,4-Difluorobenzene	114		5.744					ND	
51 2,4,4-Trimethyl-1-pentene	55		5.892					ND	
52 n-Butanol	56		5.957					ND	
75 Trichloroethene	95		5.985					ND	
53 Ethyl acrylate	55		6.066					ND	
54 2,4,4-Trimethyl-2-pentene	97		6.098					ND	
76 Methylcyclohexane	83		6.137					ND	
77 1,2-Dichloropropane	63		6.194					ND	
55 Methyl methacrylate	41		6.272					ND	
82 Dibromomethane	93		6.323					ND	
81 1,4-Dioxane	88		6.358					ND	
83 Dichlorobromomethane	83		6.445					ND	
59 2-Nitropropane	43		6.654					ND	
84 2-Chloroethyl vinyl ether	63		6.686					ND	
63 Epichlorohydrin	57		6.789					ND	
85 cis-1,3-Dichloropropene	75		6.844					ND	
87 4-Methyl-2-pentanone (MIBK)	43		6.979					ND	
88 Toluene	92		7.153					ND	
68 2-Methylthiophene	97		7.284					ND	
91 trans-1,3-Dichloropropene	75		7.365					ND	
90 Ethyl methacrylate	69		7.419					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
71 3-Methylthiophene	97		7.439					ND	
93 1,1,2-Trichloroethane	83		7.554					ND	
94 Tetrachloroethene	166		7.690					ND	
95 1,3-Dichloropropane	76		7.718					ND	
96 2-Hexanone	43		7.783					ND	
74 n-Butyl acetate	43		7.883					ND	
98 Chlorodibromomethane	129		7.963					ND	
101 Ethylene Dibromide	107		8.085					ND	
78 1-Chlorohexane	55		8.481					ND	U
79 3-Chlorobenzotrifluoride	180		8.484					ND	
80 4-Chlorobenzotrifluoride	180		8.542					ND	
103 Chlorobenzene	112		8.561					ND	
105 1,1,1,2-Tetrachloroethane	131		8.641					ND	
104 Ethylbenzene	91		8.641					ND	
106 m-Xylene & p-Xylene	106		8.760					ND	
107 o-Xylene	106		9.188					ND	
109 Styrene	104		9.204					ND	
110 Bromoform	173		9.448					ND	
86 2-Chlorobenzotrifluoride	180		9.461					ND	
111 Isopropylbenzene	105		9.561					ND	
89 Cyclohexanone	55		9.751					ND	7
112 1,1,2,2-Tetrachloroethane	83		9.921					ND	
113 Bromobenzene	156		9.940					ND	
116 1,2,3-Trichloropropane	110		9.972					ND	
115 trans-1,4-Dichloro-2-butene	53		9.976					ND	
114 N-Propylbenzene	91		10.008					ND	
117 2-Chlorotoluene	126		10.130					ND	
118 1,3,5-Trimethylbenzene	105		10.185					ND	
92 3-Chlorotoluene	126		10.188					ND	
119 4-Chlorotoluene	91		10.236					ND	
120 tert-Butylbenzene	134		10.516					ND	
121 1,2,4-Trimethylbenzene	105		10.570					ND	
97 Pentachloroethane	167		10.574					ND	
122 sec-Butylbenzene	105		10.731					ND	
123 4-Isopropyltoluene	119		10.863					ND	
124 1,3-Dichlorobenzene	146		10.876					ND	
126 1,4-Dichlorobenzene	146		10.960					ND	
99 Dicyclopentadiene	66		10.966					ND	U
100 1,2,3-Trimethylbenzene	105		10.985					ND	
102 Benzyl chloride	126		11.085					ND	
127 n-Butylbenzene	91		11.246					ND	
128 1,2-Dichlorobenzene	146		11.310					ND	
129 1,2-Dibromo-3-Chloropropane	75		11.988					ND	
108 1,3,5-Trichlorobenzene	180		12.143					ND	
130 1,2,4-Trichlorobenzene	180		12.644					ND	
131 Hexachlorobutadiene	225		12.754					ND	
132 Naphthalene	128		12.847					ND	
133 1,2,3-Trichlorobenzene	180		13.046					ND	
125 2-Methylnaphthalene	142		13.818					ND	
136 1-Bromopropane TIC	1		0.000					ND	
139 Hexachloroethane	117		0.000					ND	
134 Ethylene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
135 Propene oxide TIC	1		0.000					ND	
138 Nitrobenzene	77		0.000					ND	
137 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 144 1,3-Dichloropropene, Total	1		30.000					ND	7
S 143 Xylenes, Total	1		30.000					ND	7
S 142 Total BTEX	1		30.000					ND	7
S 141 1,2-Dichloroethene, Total	1		30.000					ND	7
S 145 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 30-Sep-2024 13:49:58 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8922.D

Injection Date: 28-Sep-2024 05:08:57 Instrument ID: HP5977L

Lims ID: MB

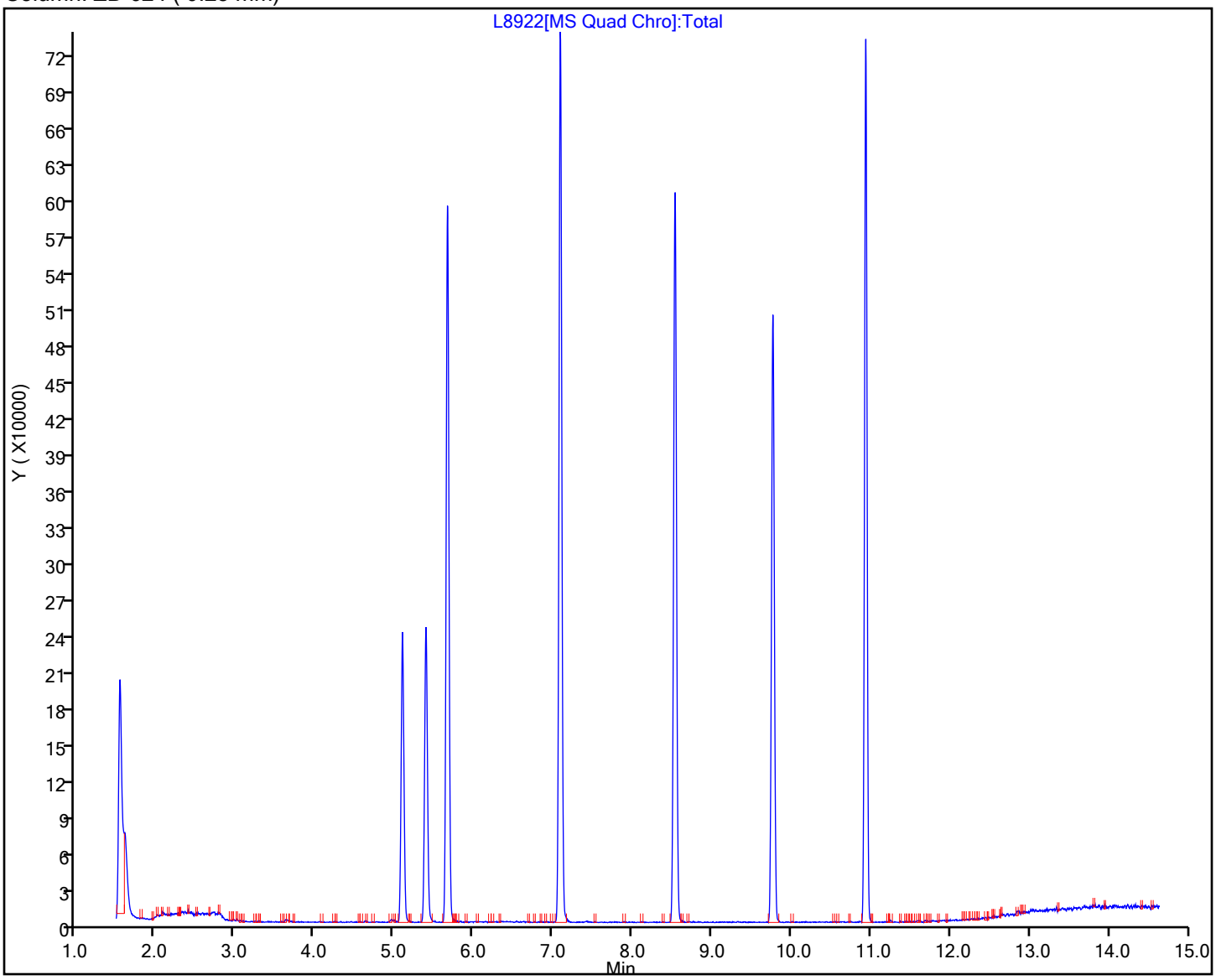
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 8

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8922.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Sep-2024 05:08:57 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0120267-008
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:49:57 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:49:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.8	103.27
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.9	99.76
$ 6 Toluene-d8 (Surr)	25.0	26.9	107.73
$ 7 4-Bromofluorobenzene (Surr)	25.0	28.2	112.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-725960/27

Matrix: Water | Lab File ID: D6931.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 14:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	27.0		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.8		1.0	0.31
75-34-3	1,1-Dichloroethane	26.0		1.0	0.38
75-35-4	1,1-Dichloroethene	27.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.4		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	27.5		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.1		1.0	0.79
107-06-2	1,2-Dichloroethane	25.1		1.0	0.21
78-87-5	1,2-Dichloropropane	27.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.9		1.0	0.84
78-93-3	2-Butanone (MEK)	136		10	1.3
591-78-6	2-Hexanone	136		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	138		5.0	2.1
67-64-1	Acetone	125		10	3.0
71-43-2	Benzene	25.8		1.0	0.41
75-27-4	Bromodichloromethane	26.6		1.0	0.39
75-25-2	Bromoform	26.2		1.0	0.26
74-83-9	Bromomethane	25.5		1.0	0.69
75-15-0	Carbon disulfide	26.7		1.0	0.19
56-23-5	Carbon tetrachloride	26.3		1.0	0.27
108-90-7	Chlorobenzene	25.1		1.0	0.75
124-48-1	Dibromochloromethane	27.0		1.0	0.32
75-00-3	Chloroethane	25.5		1.0	0.32
67-66-3	Chloroform	24.6		1.0	0.34
74-87-3	Chloromethane	23.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	28.2		1.0	0.36
110-82-7	Cyclohexane	27.1		1.0	0.18
75-71-8	Dichlorodifluoromethane	24.2		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-725960/27

Matrix: Water | Lab File ID: D6931.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 14:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725960 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	25.6		1.0	0.74
106-93-4	1,2-Dibromoethane	27.1		1.0	0.73
98-82-8	Isopropylbenzene	27.5		1.0	0.79
79-20-9	Methyl acetate	54.0		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.8		1.0	0.16
108-87-2	Methylcyclohexane	27.6		1.0	0.16
75-09-2	Methylene Chloride	26.8		1.0	0.44
100-42-5	Styrene	26.2		1.0	0.73
127-18-4	Tetrachloroethene	25.2		1.0	0.36
108-88-3	Toluene	25.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	28.9		1.0	0.37
79-01-6	Trichloroethene	25.3		1.0	0.46
75-69-4	Trichlorofluoromethane	25.8		1.0	0.88
75-01-4	Vinyl chloride	25.4		1.0	0.90
1330-20-7	Xylenes, Total	52.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6931.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Sep-2024 14:51:30 ALS Bottle#: 12 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120181-027
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:32:16 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 09:33:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	176113	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.101	0.001	87	348179	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.003	0.001	96	368969	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	281635	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	98	156452	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	5.956	5.955	0.001	94	835056	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.059	8.052	0.007	95	277713	25.0	23.8	
10 Dichlorodifluoromethane	85	1.121	1.127	-0.006	99	343416	25.0	24.2	
12 Chloromethane	50	1.280	1.285	-0.005	99	376375	25.0	23.9	
13 Vinyl chloride	62	1.359	1.365	-0.006	98	246338	25.0	25.4	
144 Butadiene	54	1.377	1.377	0.000	99	260860	25.0	27.1	
14 Bromomethane	94	1.645	1.645	0.000	91	186920	25.0	25.5	
15 Chloroethane	64	1.700	1.700	0.000	96	124263	25.0	25.5	
16 Dichlorofluoromethane	67	1.908	1.907	0.001	97	394819	25.0	25.0	
17 Trichlorofluoromethane	101	1.914	1.919	-0.005	98	327187	25.0	25.8	
18 Ethyl ether	59	2.151	2.151	0.000	96	165075	25.0	26.4	
20 Acrolein	56	2.316	2.316	0.000	99	148611	125.0	148.0	
22 1,1-Dichloroethene	96	2.359	2.352	0.007	95	200062	25.0	27.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.365	0.001	92	225070	25.0	27.8	
23 Acetone	43	2.456	2.456	0.000	98	467162	125.0	125.3	
25 Iodomethane	142	2.511	2.499	0.012	99	452899	25.0	25.8	
26 Carbon disulfide	76	2.542	2.535	0.007	100	706480	25.0	26.7	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	90	438915	25.0	27.4	
27 Methyl acetate	43	2.737	2.736	0.001	100	510158	50.0	54.0	
30 Methylene Chloride	84	2.822	2.822	0.000	96	240303	25.0	26.8	
31 2-Methyl-2-propanol	59	2.980	2.974	0.006	98	259464	250.0	224.8	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	616505	25.0	26.8	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	95	219353	25.0	26.5	
33 Acrylonitrile	53	3.072	3.072	0.000	97	1138516	250.0	270.7	
35 Hexane	57	3.206	3.206	0.000	96	343841	25.0	27.5	
39 1,1-Dichloroethane	63	3.395	3.395	0.000	96	436583	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.444	3.444	0.000	96	1346920	50.0	61.6	
44 2,2-Dichloropropane	77	3.846	3.846	0.000	92	239545	25.0	26.4	
45 cis-1,2-Dichloroethene	96	3.877	3.876	0.001	82	244944	25.0	26.3	
43 2-Butanone (MEK)	43	3.901	3.931	0.000	97	773720	125.0	136.1	
48 Chlorobromomethane	128	4.072	4.071	0.001	95	143924	25.0	26.5	
49 Tetrahydrofuran	42	4.084	4.084	0.000	94	207687	50.0	50.7	
50 Chloroform	83	4.139	4.139	0.000	95	414984	25.0	24.6	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	98	329783	25.0	25.5	
52 Cyclohexane	56	4.242	4.242	0.000	96	411827	25.0	27.1	
55 Carbon tetrachloride	117	4.352	4.352	0.000	97	320298	25.0	26.3	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	93	293711	25.0	26.3	
57 Benzene	78	4.529	4.529	0.000	96	809245	25.0	25.8	
53 Isobutyl alcohol	43	4.535	4.535	0.000	94	301686	625.0	539.2	
58 1,2-Dichloroethane	62	4.584	4.584	0.000	96	340864	25.0	25.1	
59 n-Heptane	43	4.681	4.675	0.006	97	412205	25.0	26.8	
62 Trichloroethene	95	5.029	5.029	0.000	97	227705	25.0	25.3	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	333843	25.0	27.6	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	95	245303	25.0	27.0	
67 Dibromomethane	93	5.328	5.327	0.001	97	178180	25.0	27.4	
66 1,4-Dioxane	88	5.334	5.334	0.007	74	17683	500.0	230.1	
68 Dichlorobromomethane	83	5.450	5.449	0.001	97	303571	25.0	26.6	
69 2-Chloroethyl vinyl ether	63	5.663	5.669	0.000	92	169155	25.0	29.5	
72 cis-1,3-Dichloropropene	75	5.779	5.778	0.001	94	360673	25.0	28.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	1682072	125.0	138.1	
74 Toluene	92	6.004	6.004	0.000	98	483184	25.0	25.2	
77 trans-1,3-Dichloropropene	75	6.218	6.217	0.001	96	326392	25.0	28.9	
75 Ethyl methacrylate	69	6.248	6.248	0.000	97	289881	25.0	28.9	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	92	177832	25.0	26.6	
81 Tetrachloroethene	166	6.425	6.419	0.006	97	233240	25.0	25.2	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	313395	25.0	26.3	
80 2-Hexanone	43	6.535	6.534	0.001	99	1172123	125.0	135.8	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	270166	25.0	27.0	
84 Ethylene Dibromide	107	6.760	6.760	0.000	100	239164	25.0	27.1	
87 Chlorobenzene	112	7.126	7.126	0.000	95	567135	25.0	25.1	
88 Ethylbenzene	91	7.193	7.187	0.006	99	886163	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	97	227587	25.0	25.9	
90 m-Xylene & p-Xylene	106	7.285	7.284	0.001	99	352793	25.0	26.3	
91 o-Xylene	106	7.608	7.607	0.001	97	347006	25.0	26.4	
92 Styrene	104	7.632	7.626	0.006	95	572496	25.0	26.2	
95 Bromoform	173	7.821	7.821	0.000	96	179926	25.0	26.2	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	815741	25.0	27.5	
101 Bromobenzene	156	8.181	8.180	0.001	91	263120	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	310770	25.0	27.0	
99 N-Propylbenzene	91	8.236	8.235	0.001	99	1046727	25.0	26.9	
100 1,2,3-Trichloropropane	110	8.236	8.235	0.001	85	77841	25.0	26.7	
98 trans-1,4-Dichloro-2-butene	53	8.242	8.241	0.001	84	88455	25.0	25.6	
103 2-Chlorotoluene	126	8.327	8.327	0.000	97	226938	25.0	26.3	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	745776	25.0	26.8	
105 4-Chlorotoluene	126	8.418	8.412	0.006	96	234382	25.0	26.3	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	147046	25.0	27.6	
107 1,2,4-Trimethylbenzene	105	8.693	8.686	0.007	98	786723	25.0	27.3	
109 sec-Butylbenzene	105	8.827	8.821	0.006	95	972814	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.943	8.943	0.001	97	840565	25.0	27.0	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	98	479809	25.0	25.3	
113 1,4-Dichlorobenzene	146	9.028	9.028	0.000	96	494786	25.0	24.9	
115 n-Butylbenzene	91	9.290	9.290	0.000	98	796013	25.0	28.1	
116 1,2-Dichlorobenzene	146	9.345	9.345	0.000	99	492628	25.0	26.1	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	87	56303	25.0	27.5	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	95	367326	25.0	27.4	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	180557	25.0	26.0	
121 Naphthalene	128	10.900	10.899	0.001	97	893431	25.0	28.0	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	344611	25.0	26.0	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00641	Amount Added: 12.50	Units: uL	
8260 CORP mix_00259	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00092	Amount Added: 1.00	Units: uL	Run Reagent

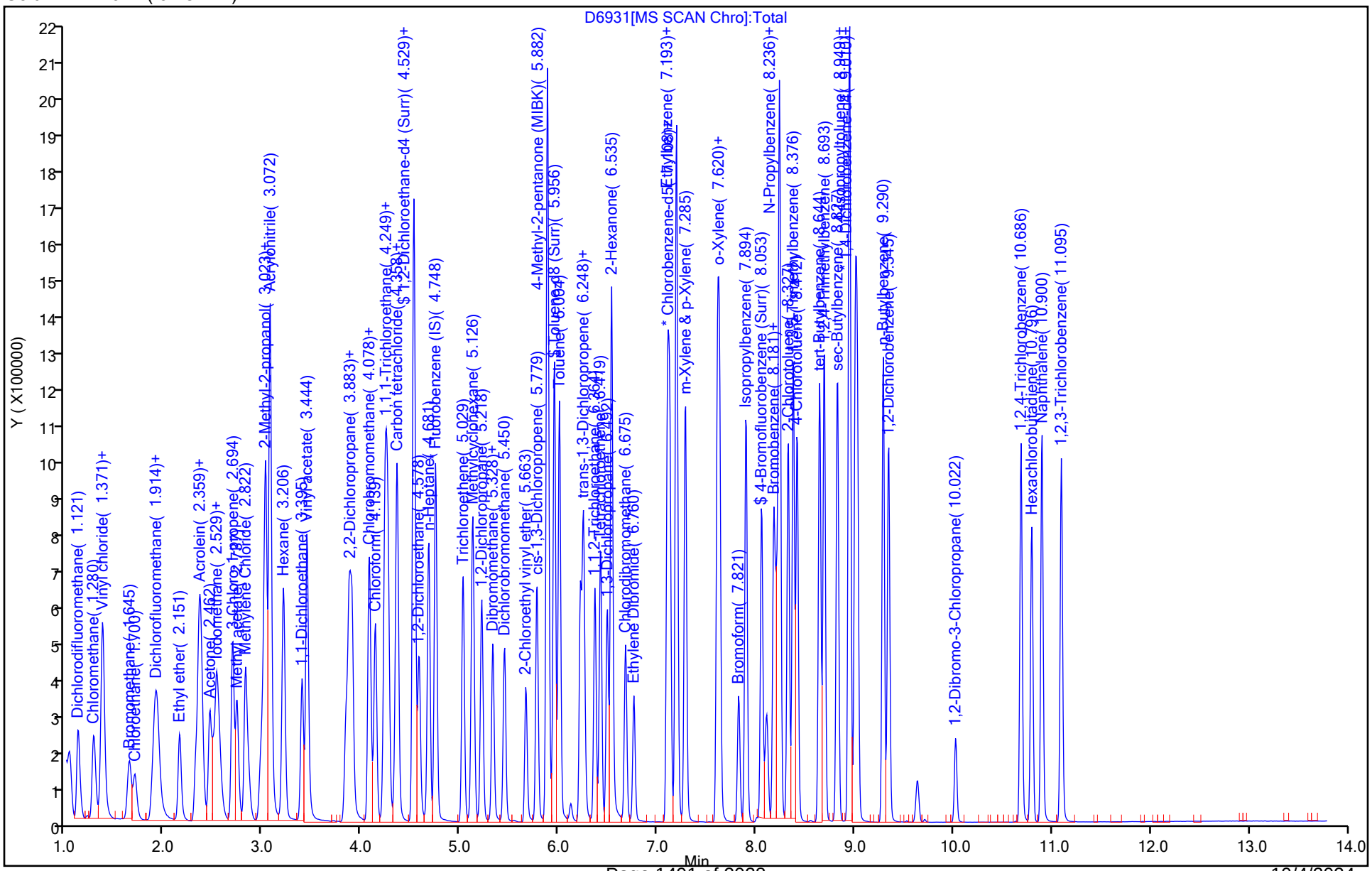
Report Date: 25-Sep-2024 09:33:03 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6931.d

Injection Date:	24-Sep-2024 14:51:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	LCS			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D6931.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Sep-2024 14:51:30 ALS Bottle#: 12 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120181-027
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240924-120181.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:32:16 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HF3K Date: 25-Sep-2024 09:33:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	24.9	99.49
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.4	97.46
$ 5 Toluene-d8 (Surr)	25.0	24.9	99.41
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.8	95.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-725969/6

Matrix: Water | Lab File ID: S2394.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 12:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	21.7		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.9		1.0	0.31
75-34-3	1,1-Dichloroethane	24.2		1.0	0.38
75-35-4	1,1-Dichloroethene	25.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.1		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		1.0	0.39
95-50-1	1,2-Dichlorobenzene	23.6		1.0	0.79
107-06-2	1,2-Dichloroethane	22.4		1.0	0.21
78-87-5	1,2-Dichloropropane	23.6		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.3		1.0	0.84
78-93-3	2-Butanone (MEK)	98.5		10	1.3
591-78-6	2-Hexanone	106		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	111		5.0	2.1
67-64-1	Acetone	102		10	3.0
71-43-2	Benzene	24.1		1.0	0.41
75-27-4	Bromodichloromethane	22.9		1.0	0.39
75-25-2	Bromoform	21.8		1.0	0.26
74-83-9	Bromomethane	22.3		1.0	0.69
75-15-0	Carbon disulfide	26.2		1.0	0.19
56-23-5	Carbon tetrachloride	23.8		1.0	0.27
108-90-7	Chlorobenzene	23.6		1.0	0.75
124-48-1	Dibromochloromethane	21.2		1.0	0.32
75-00-3	Chloroethane	23.1		1.0	0.32
67-66-3	Chloroform	22.9		1.0	0.34
74-87-3	Chloromethane	22.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.4		1.0	0.36
110-82-7	Cyclohexane	29.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	22.8		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-725969/6

Matrix: Water | Lab File ID: S2394.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 12:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	24.0		1.0	0.74
106-93-4	1,2-Dibromoethane	21.1		1.0	0.73
98-82-8	Isopropylbenzene	26.9		1.0	0.79
79-20-9	Methyl acetate	37.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	21.8		1.0	0.16
108-87-2	Methylcyclohexane	29.5		1.0	0.16
75-09-2	Methylene Chloride	24.7		1.0	0.44
100-42-5	Styrene	23.5		1.0	0.73
127-18-4	Tetrachloroethene	24.5		1.0	0.36
108-88-3	Toluene	22.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	21.4		1.0	0.37
79-01-6	Trichloroethene	23.7		1.0	0.46
75-69-4	Trichlorofluoromethane	26.8		1.0	0.88
75-01-4	Vinyl chloride	24.6		1.0	0.90
1330-20-7	Xylenes, Total	46.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2394.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Sep-2024 12:18:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120183-006
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2024 12:59:17 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: QR3Z Date: 24-Sep-2024 15:20:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	151153	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	85	311440	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	67	324023	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	56	193007	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	60	122737	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	77	712318	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.961	0.000	92	243696	25.0	24.2	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	87	175157	25.0	22.8	
12 Chloromethane	50	1.120	1.126	-0.006	99	220058	25.0	22.4	
13 Vinyl chloride	62	1.193	1.199	-0.006	98	178458	25.0	24.6	
151 Butadiene	54	1.217	1.217	0.000	93	193224	25.0	26.5	
14 Bromomethane	94	1.436	1.442	-0.006	91	111371	25.0	22.3	
15 Chloroethane	64	1.509	1.515	-0.006	97	117458	25.0	23.1	
16 Dichlorofluoromethane	67	1.685	1.685	0.000	80	315971	25.0	24.3	
17 Trichlorofluoromethane	101	1.685	1.691	-0.006	62	272062	25.0	26.8	
18 Ethyl ether	59	1.917	1.917	0.000	95	177498	25.0	21.9	
20 Acrolein	56	2.081	2.081	0.000	93	145794	125.0	108.4	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	84	153039	25.0	25.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.117	-0.006	64	166862	25.0	28.9	
23 Acetone	43	2.221	2.227	-0.006	98	445395	125.0	102.2	
25 Iodomethane	142	2.251	2.251	0.000	98	279545	25.0	24.3	
26 Carbon disulfide	76	2.282	2.282	0.000	99	537577	25.0	26.2	
28 3-Chloro-1-propene	41	2.446	2.452	-0.006	86	321509	25.0	23.7	
27 Methyl acetate	43	2.501	2.501	0.000	96	396522	50.0	37.8	
30 Methylene Chloride	84	2.586	2.586	0.000	94	182654	25.0	24.7	
31 2-Methyl-2-propanol	59	2.768	2.762	0.006	48	237370	250.0	204.2	
32 Methyl tert-butyl ether	73	2.787	2.786	0.001	94	593247	25.0	21.8	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	87	185262	25.0	25.4	
33 Acrylonitrile	53	2.860	2.859	0.001	99	1041866	250.0	205.0	
35 Hexane	57	2.981	2.987	-0.006	93	287876	25.0	30.4	
39 1,1-Dichloroethane	63	3.200	3.200	0.000	86	327154	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.261	3.261	0.000	97	782873	50.0	44.0	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	89	185303	25.0	26.5	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	66	192089	25.0	23.2	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	97	631104	125.0	98.5	
48 Chlorobromomethane	128	3.961	3.961	0.000	94	100808	25.0	21.7	
49 Tetrahydrofuran	42	3.979	3.979	0.000	89	190087	50.0	42.3	
50 Chloroform	83	4.046	4.046	0.000	80	321161	25.0	22.9	
52 Cyclohexane	56	4.137	4.137	0.000	93	365204	25.0	29.2	
51 1,1,1-Trichloroethane	97	4.137	4.143	-0.006	77	259596	25.0	25.6	
55 Carbon tetrachloride	117	4.271	4.271	0.000	92	210653	25.0	23.8	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	91	254006	25.0	26.5	
57 Benzene	78	4.490	4.490	0.000	96	716057	25.0	24.1	
53 Isobutyl alcohol	43	4.551	4.551	0.000	56	189903	625.0	403.6	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	81	266309	25.0	22.4	
59 n-Heptane	43	4.679	4.678	0.001	93	347526	25.0	34.0	
62 Trichloroethene	95	5.092	5.092	0.000	91	184240	25.0	23.7	
64 Methylcyclohexane	83	5.196	5.196	0.000	94	325667	25.0	29.5	
65 1,2-Dichloropropane	63	5.330	5.329	0.001	86	172792	25.0	23.6	
67 Dibromomethane	93	5.463	5.463	0.000	90	122011	25.0	23.2	
66 1,4-Dioxane	88	5.476	5.475	0.001	40	49327	500.0	622.3	
68 Dichlorobromomethane	83	5.622	5.621	0.001	92	212467	25.0	22.9	
69 2-Chloroethyl vinyl ether	63	5.914	5.913	0.001	94	129297	25.0	23.2	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	83	265440	25.0	23.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.187	0.006	98	1457019	125.0	110.6	
74 Toluene	92	6.309	6.309	0.000	92	450037	25.0	22.6	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	98	231622	25.0	21.4	
75 Ethyl methacrylate	69	6.668	6.668	0.000	85	228476	25.0	22.4	
79 1,1,2-Trichloroethane	83	6.790	6.789	0.001	88	137482	25.0	21.7	
81 Tetrachloroethene	166	6.826	6.826	0.000	87	204186	25.0	24.5	
82 1,3-Dichloropropane	76	6.942	6.941	0.000	97	274622	25.0	21.8	
80 2-Hexanone	43	7.027	7.027	0.000	99	958574	125.0	106.0	
83 Chlorodibromomethane	129	7.173	7.173	0.000	87	153953	25.0	21.2	
84 Ethylene Dibromide	107	7.258	7.264	-0.006	96	170487	25.0	21.1	
87 Chlorobenzene	112	7.733	7.738	-0.006	93	523136	25.0	23.6	
88 Ethylbenzene	91	7.836	7.836	0.000	98	870557	25.0	24.0	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.842	-0.006	43	164937	25.0	23.1	
90 m-Xylene & p-Xylene	106	7.958	7.957	0.000	99	337903	25.0	23.8	
91 o-Xylene	106	8.377	8.377	0.000	98	335734	25.0	22.9	
92 Styrene	104	8.408	8.408	0.000	94	543233	25.0	23.5	
95 Bromoform	173	8.645	8.645	0.000	94	105630	25.0	21.8	
94 Isopropylbenzene	105	8.761	8.760	0.000	96	829457	25.0	26.9	
101 Bromobenzene	156	9.101	9.101	0.000	93	234560	25.0	24.2	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.192	0.001	65	259594	25.0	23.8	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	1022009	25.0	26.2	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	61	88183	25.0	23.8	
98 trans-1,4-Dichloro-2-butene	53	9.247	9.241	0.006	82	74586	25.0	24.0	
103 2-Chlorotoluene	126	9.302	9.302	0.000	95	214451	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	9.399	9.399	0.000	95	711845	25.0	24.9	
105 4-Chlorotoluene	126	9.430	9.430	0.000	98	213092	25.0	24.5	
106 tert-Butylbenzene	134	9.734	9.734	0.000	91	165310	25.0	26.2	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	86	740957	25.0	24.8	
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	889254	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	98	424329	25.0	23.8	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	793530	25.0	25.9	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	95	437334	25.0	23.3	
115 n-Butylbenzene	91	10.507	10.506	0.000	95	692930	25.0	26.4	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	97	435127	25.0	23.6	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.297	-0.006	78	49383	25.0	20.9	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	93	298397	25.0	24.1	
120 Hexachlorobutadiene	225	12.088	12.088	0.000	94	136284	25.0	25.3	
121 Naphthalene	128	12.186	12.180	0.006	97	1006327	25.0	23.6	
122 1,2,3-Trichlorobenzene	180	12.386	12.386	0.000	95	292698	25.0	23.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00258	Amount Added: 12.50	Units: uL	
GAS CORP mix_00641	Amount Added: 12.50	Units: uL	
S_8260_IS_00401	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added: 1.00	Units: uL	Run Reagent

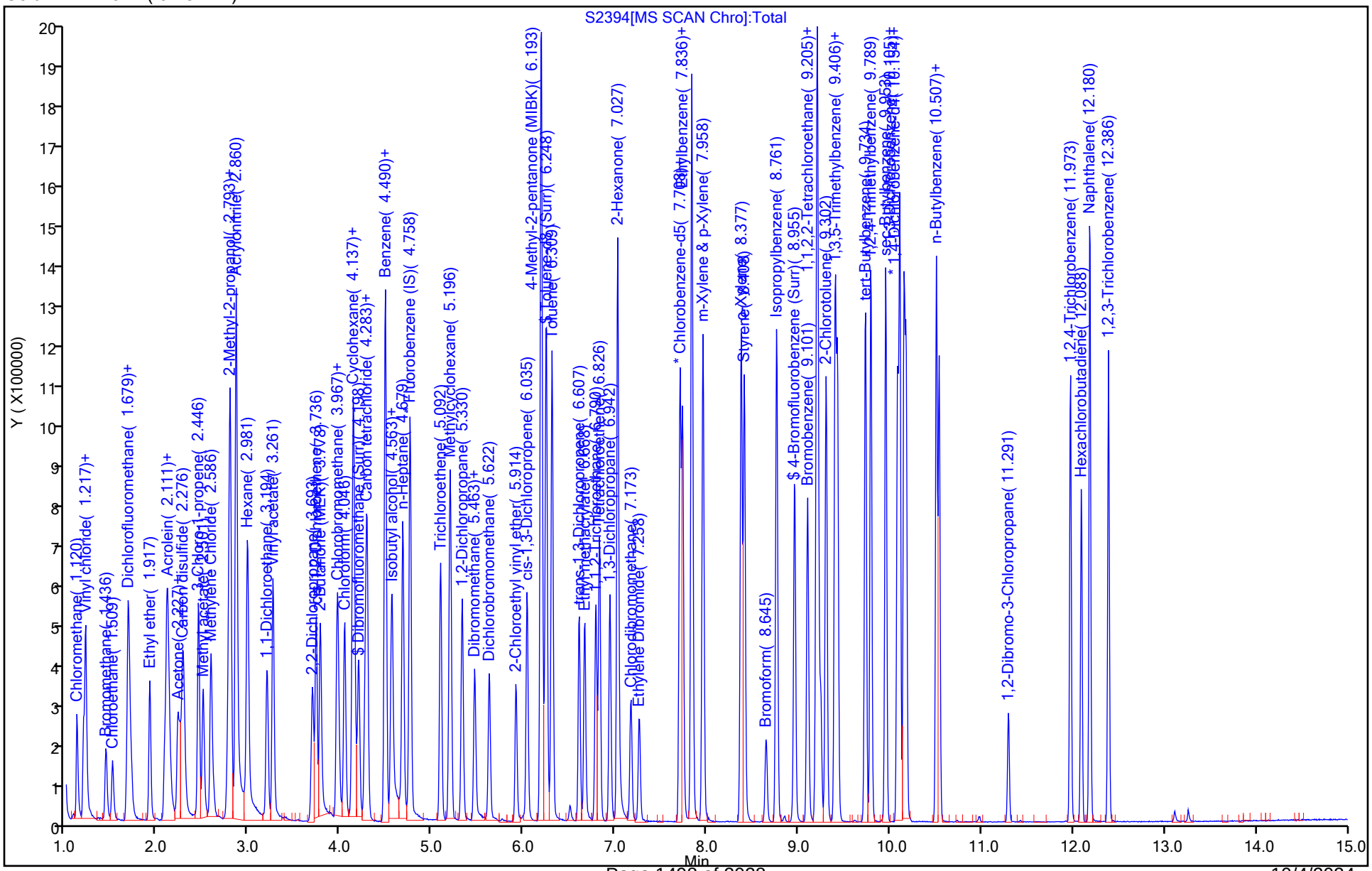
Report Date: 24-Sep-2024 15:20:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2394.d

Injection Date:	24-Sep-2024 12:18:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2394.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Sep-2024 12:18:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120183-006
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2024 12:59:17 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: QR3Z Date: 24-Sep-2024 15:20:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.0	100.11
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.5	102.15
$ 5 Toluene-d8 (Surr)	25.0	25.6	102.47
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.2	96.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726185/6

Matrix: Water | Lab File ID: D6986.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/25/2024 23:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.4		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.9		1.0	0.31
75-34-3	1,1-Dichloroethane	24.8		1.0	0.38
75-35-4	1,1-Dichloroethene	25.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	27.3		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.1		1.0	0.79
107-06-2	1,2-Dichloroethane	24.0		1.0	0.21
78-87-5	1,2-Dichloropropane	25.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.1		1.0	0.84
78-93-3	2-Butanone (MEK)	131		10	1.3
591-78-6	2-Hexanone	134		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	135		5.0	2.1
67-64-1	Acetone	122		10	3.0
71-43-2	Benzene	25.0		1.0	0.41
75-27-4	Bromodichloromethane	24.8		1.0	0.39
75-25-2	Bromoform	25.5		1.0	0.26
74-83-9	Bromomethane	24.2		1.0	0.69
75-15-0	Carbon disulfide	25.0		1.0	0.19
56-23-5	Carbon tetrachloride	25.3		1.0	0.27
108-90-7	Chlorobenzene	24.7		1.0	0.75
124-48-1	Dibromochloromethane	26.2		1.0	0.32
75-00-3	Chloroethane	24.6		1.0	0.32
67-66-3	Chloroform	23.3		1.0	0.34
74-87-3	Chloromethane	23.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.2		1.0	0.36
110-82-7	Cyclohexane	26.1		1.0	0.18
75-71-8	Dichlorodifluoromethane	23.4		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726185/6

Matrix: Water | Lab File ID: D6986.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/25/2024 23:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726185 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	25.3		1.0	0.74
106-93-4	1,2-Dibromoethane	26.0		1.0	0.73
98-82-8	Isopropylbenzene	26.7		1.0	0.79
79-20-9	Methyl acetate	51.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.9		1.0	0.16
108-87-2	Methylcyclohexane	25.9		1.0	0.16
75-09-2	Methylene Chloride	25.1		1.0	0.44
100-42-5	Styrene	25.2		1.0	0.73
127-18-4	Tetrachloroethene	24.8		1.0	0.36
108-88-3	Toluene	24.9		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.8		1.0	0.37
79-01-6	Trichloroethene	24.5		1.0	0.46
75-69-4	Trichlorofluoromethane	25.1		1.0	0.88
75-01-4	Vinyl chloride	25.3		1.0	0.90
1330-20-7	Xylenes, Total	51.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6986.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Sep-2024 23:45:30 ALS Bottle#: 38 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120223-006
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 11:55:51 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 11:55:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	174328	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.101	0.000	87	334153	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.003	9.003	0.000	95	361586	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	272294	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.523	0.000	98	155405	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	5.955	5.955	0.000	94	808506	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.052	8.052	0.000	94	268408	25.0	24.0	
10 Dichlorodifluoromethane	85	1.127	1.127	0.000	99	328184	25.0	23.4	
12 Chloromethane	50	1.285	1.285	0.000	99	368729	25.0	23.7	
13 Vinyl chloride	62	1.365	1.365	0.000	98	242353	25.0	25.3	
144 Butadiene	54	1.377	1.377	0.000	98	255257	25.0	26.8	
14 Bromomethane	94	1.645	1.645	0.000	92	175974	25.0	24.2	
15 Chloroethane	64	1.700	1.700	0.000	96	118788	25.0	24.6	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	98	378661	25.0	24.2	
17 Trichlorofluoromethane	101	1.913	1.913	0.000	98	315566	25.0	25.1	
18 Ethyl ether	59	2.151	2.151	0.000	95	150298	25.0	24.3	
20 Acrolein	56	2.316	2.316	0.000	99	121874	125.0	122.6	
22 1,1-Dichloroethene	96	2.352	2.352	0.000	98	184050	25.0	25.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.358	2.358	0.000	95	200134	25.0	24.9	
23 Acetone	43	2.462	2.462	0.000	98	450718	125.0	122.2	
25 Iodomethane	142	2.499	2.499	0.000	99	421947	25.0	24.2	
26 Carbon disulfide	76	2.535	2.535	0.000	100	655823	25.0	25.0	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	90	418030	25.0	26.4	
27 Methyl acetate	43	2.736	2.736	0.000	100	479814	50.0	51.3	
30 Methylene Chloride	84	2.822	2.822	0.000	96	223147	25.0	25.1	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	97	286024	250.0	250.3	
32 Methyl tert-butyl ether	73	3.017	3.017	0.000	99	566984	25.0	24.9	
34 trans-1,2-Dichloroethene	96	3.029	3.029	0.000	95	208183	25.0	25.4	
33 Acrylonitrile	53	3.072	3.072	0.000	97	1071286	250.0	257.3	
35 Hexane	57	3.206	3.206	0.000	95	302111	25.0	24.4	
39 1,1-Dichloroethane	63	3.395	3.395	0.000	96	412438	25.0	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.444	3.444	0.000	96	1057119	50.0	48.8	
44 2,2-Dichloropropane	77	3.846	3.846	0.000	95	214531	25.0	23.9	
45 cis-1,2-Dichloroethene	96	3.876	3.876	0.000	89	229695	25.0	24.9	
43 2-Butanone (MEK)	43	3.901	3.901	0.000	97	737844	125.0	131.1	
48 Chlorobromomethane	128	4.071	4.071	0.000	95	133335	25.0	24.8	
49 Tetrahydrofuran	42	4.084	4.084	0.000	93	194602	50.0	48.0	
50 Chloroform	83	4.139	4.139	0.000	95	389347	25.0	23.3	
51 1,1,1-Trichloroethane	97	4.236	4.236	0.000	99	318123	25.0	24.9	
52 Cyclohexane	56	4.242	4.242	0.000	97	391909	25.0	26.1	
55 Carbon tetrachloride	117	4.352	4.352	0.000	96	305839	25.0	25.3	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	95	278286	25.0	25.2	
57 Benzene	78	4.529	4.529	0.000	96	776993	25.0	25.0	
53 Isobutyl alcohol	43	4.535	4.535	0.000	95	353443	625.0	638.2	
58 1,2-Dichloroethane	62	4.584	4.584	0.000	96	323600	25.0	24.0	
59 n-Heptane	43	4.675	4.675	0.000	97	368328	25.0	24.2	
62 Trichloroethene	95	5.029	5.029	0.000	97	217963	25.0	24.5	
64 Methylcyclohexane	83	5.126	5.126	0.000	98	310564	25.0	25.9	
65 1,2-Dichloropropane	63	5.218	5.218	0.000	95	227828	25.0	25.3	
67 Dibromomethane	93	5.327	5.327	0.000	97	163879	25.0	25.5	
66 1,4-Dioxane	88	5.327	5.327	0.000	93	28906	500.0	381.3	
68 Dichlorobromomethane	83	5.443	5.443	0.000	97	280867	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	154711	25.0	27.2	
72 cis-1,3-Dichloropropene	75	5.772	5.772	0.000	92	331209	25.0	26.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	1573788	125.0	134.6	
74 Toluene	92	6.004	6.004	0.000	98	459077	25.0	24.9	
77 trans-1,3-Dichloropropene	75	6.217	6.217	0.000	96	289931	25.0	26.8	
75 Ethyl methacrylate	69	6.248	6.248	0.000	96	263618	25.0	27.4	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	92	164461	25.0	25.6	
81 Tetrachloroethene	166	6.419	6.419	0.000	96	220183	25.0	24.8	
82 1,3-Dichloropropane	76	6.492	6.492	0.000	96	292246	25.0	25.5	
80 2-Hexanone	43	6.534	6.534	0.000	99	1107574	125.0	133.7	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	250846	25.0	26.2	
84 Ethylene Dibromide	107	6.760	6.760	0.000	100	220710	25.0	26.0	
87 Chlorobenzene	112	7.120	7.120	0.000	95	534045	25.0	24.7	
88 Ethylbenzene	91	7.187	7.187	0.000	99	841134	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	97	216359	25.0	25.7	
90 m-Xylene & p-Xylene	106	7.278	7.278	0.000	99	324929	25.0	25.2	
91 o-Xylene	106	7.607	7.607	0.000	97	325792	25.0	25.8	
92 Styrene	104	7.626	7.626	0.000	95	530180	25.0	25.2	
95 Bromoform	173	7.821	7.821	0.000	96	167895	25.0	25.5	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	775206	25.0	26.7	
101 Bromobenzene	156	8.180	8.180	0.000	91	247781	25.0	25.3	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	286689	25.0	25.4	
99 N-Propylbenzene	91	8.235	8.235	0.000	99	987830	25.0	25.9	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	85	73241	25.0	25.6	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	85	83306	25.0	24.6	
103 2-Chlorotoluene	126	8.321	8.321	0.000	97	215685	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	716970	25.0	26.3	
105 4-Chlorotoluene	126	8.412	8.412	0.000	96	221029	25.0	25.3	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	138133	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	8.686	8.686	0.000	98	750395	25.0	26.5	
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	949027	25.0	26.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.942	8.942	0.000	97	814385	25.0	26.7	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	99	457345	25.0	24.6	
113 1,4-Dichlorobenzene	146	9.022	9.022	0.000	96	468397	25.0	24.1	
115 n-Butylbenzene	91	9.284	9.284	0.000	99	742906	25.0	26.8	
116 1,2-Dichlorobenzene	146	9.339	9.339	0.000	99	464734	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.022	0.000	86	54702	25.0	27.3	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	337535	25.0	25.6	
120 Hexachlorobutadiene	225	10.796	10.796	0.000	97	165172	25.0	24.3	
121 Naphthalene	128	10.899	10.899	0.000	97	848054	25.0	27.1	
122 1,2,3-Trichlorobenzene	180	11.094	11.094	0.000	96	318789	25.0	24.6	
S 125 1,2-Dichloroethene, Total	1				0			50.3	
S 126 1,3-Dichloropropene, Total	1				0			53.0	
S 124 Xylenes, Total	1				0			51.0	
S 123 Total BTEX	1				0			126.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00257	Amount Added: 12.50	Units: uL	
GAS CORP mix_00642	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00089	Amount Added: 1.00	Units: uL	Run Reagent

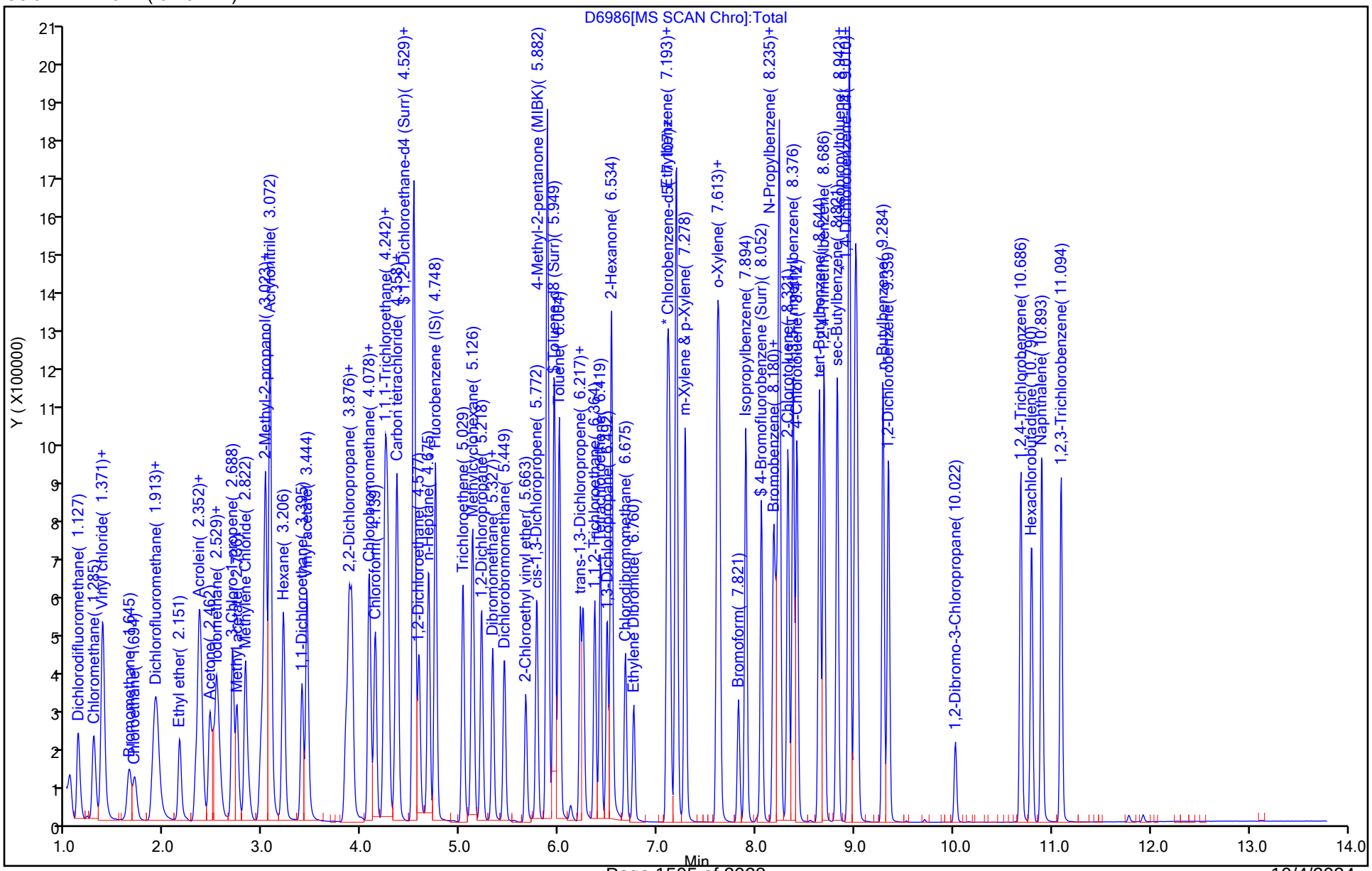
Report Date: 26-Sep-2024 11:55:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6986.d

Injection Date:	25-Sep-2024 23:45:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	38
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D6986.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Sep-2024 23:45:30 ALS Bottle#: 38 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120223-006
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240925-120223.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2024 11:55:51 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: QR3Z Date: 26-Sep-2024 11:55:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	24.3	97.18
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.4	97.79
$ 5 Toluene-d8 (Surr)	25.0	25.1	100.29
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.0	95.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726373/6

Matrix: Water | Lab File ID: S2505.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 11:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1.0	0.21
79-00-5	1,1,2-Trichloroethane	20.9		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.9		1.0	0.31
75-34-3	1,1-Dichloroethane	24.2		1.0	0.38
75-35-4	1,1-Dichloroethene	25.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.3		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		1.0	0.39
95-50-1	1,2-Dichlorobenzene	22.4		1.0	0.79
107-06-2	1,2-Dichloroethane	22.2		1.0	0.21
78-87-5	1,2-Dichloropropane	23.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.7		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.3		1.0	0.84
78-93-3	2-Butanone (MEK)	82.5		10	1.3
591-78-6	2-Hexanone	95.3		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	100		5.0	2.1
67-64-1	Acetone	90.4		10	3.0
71-43-2	Benzene	23.5		1.0	0.41
75-27-4	Bromodichloromethane	22.4		1.0	0.39
75-25-2	Bromoform	20.5		1.0	0.26
74-83-9	Bromomethane	25.0		1.0	0.69
75-15-0	Carbon disulfide	26.0		1.0	0.19
56-23-5	Carbon tetrachloride	24.8		1.0	0.27
108-90-7	Chlorobenzene	23.5		1.0	0.75
124-48-1	Dibromochloromethane	21.7		1.0	0.32
75-00-3	Chloroethane	26.2		1.0	0.32
67-66-3	Chloroform	22.6		1.0	0.34
74-87-3	Chloromethane	26.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	22.9		1.0	0.36
110-82-7	Cyclohexane	28.7		1.0	0.18
75-71-8	Dichlorodifluoromethane	31.1		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726373/6

Matrix: Water | Lab File ID: S2505.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 11:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726373 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	24.2		1.0	0.74
106-93-4	1,2-Dibromoethane	20.6		1.0	0.73
98-82-8	Isopropylbenzene	25.8		1.0	0.79
79-20-9	Methyl acetate	36.7		2.5	1.3
1634-04-4	Methyl tert-butyl ether	21.7		1.0	0.16
108-87-2	Methylcyclohexane	29.6		1.0	0.16
75-09-2	Methylene Chloride	24.9		1.0	0.44
100-42-5	Styrene	22.4		1.0	0.73
127-18-4	Tetrachloroethene	24.9		1.0	0.36
108-88-3	Toluene	23.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	21.2		1.0	0.37
79-01-6	Trichloroethene	24.3		1.0	0.46
75-69-4	Trichlorofluoromethane	28.7		1.0	0.88
75-01-4	Vinyl chloride	27.5		1.0	0.90
1330-20-7	Xylenes, Total	46.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2505.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Sep-2024 11:39:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120249-006
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 12:20:40 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: QR3Z Date: 27-Sep-2024 12:21:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	186860	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.702	0.006	87	370163	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	69	392092	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	57	241134	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	56	152407	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	6.242	6.248	-0.006	77	869631	25.0	26.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.956	0.006	92	281685	25.0	23.6	
10 Dichlorodifluoromethane	85	0.986	0.992	-0.006	87	294910	25.0	31.1	
12 Chloromethane	50	1.120	1.120	0.000	99	321860	25.0	26.5	
13 Vinyl chloride	62	1.193	1.193	0.000	98	246885	25.0	27.5	
151 Butadiene	54	1.217	1.217	0.000	95	303241	25.0	33.6	
14 Bromomethane	94	1.436	1.430	0.006	93	154244	25.0	25.0	
15 Chloroethane	64	1.509	1.509	0.000	94	164491	25.0	26.2	
16 Dichlorofluoromethane	67	1.679	1.679	0.000	81	418063	25.0	26.0	
17 Trichlorofluoromethane	101	1.686	1.686	0.000	64	360486	25.0	28.7	
18 Ethyl ether	59	1.917	1.917	0.000	96	220875	25.0	22.1	
20 Acrolein	56	2.075	2.081	-0.006	98	133381	125.0	80.2	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	95	189612	25.0	25.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.111	0.000	69	205612	25.0	28.9	
23 Acetone	43	2.221	2.221	-0.006	98	487103	125.0	90.4	M
25 Iodomethane	142	2.251	2.245	0.006	98	353267	25.0	24.8	
26 Carbon disulfide	76	2.276	2.276	0.000	99	659395	25.0	26.0	
28 3-Chloro-1-propene	41	2.446	2.446	0.000	85	393342	25.0	23.5	
27 Methyl acetate	43	2.501	2.501	0.000	95	475617	50.0	36.7	
30 Methylene Chloride	84	2.586	2.580	0.006	91	227227	25.0	24.9	
31 2-Methyl-2-propanol	59	2.775	2.768	0.007	39	326155	250.0	227.0	
32 Methyl tert-butyl ether	73	2.787	2.781	0.006	93	731140	25.0	21.7	
34 trans-1,2-Dichloroethene	96	2.799	2.793	0.006	97	230761	25.0	25.6	
33 Acrylonitrile	53	2.860	2.860	0.000	98	1062415	250.0	169.1	
35 Hexane	57	2.981	2.981	0.000	94	379922	25.0	32.4	
39 1,1-Dichloroethane	63	3.194	3.194	0.000	96	403980	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.261	3.261	0.000	97	986303	50.0	44.9	
44 2,2-Dichloropropane	77	3.693	3.693	0.000	91	244016	25.0	28.3	
45 cis-1,2-Dichloroethene	96	3.730	3.736	-0.006	71	243688	25.0	23.8	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	97	653386	125.0	82.5	
48 Chlorobromomethane	128	3.961	3.961	0.000	97	121738	25.0	21.2	
49 Tetrahydrofuran	42	3.979	3.973	0.006	89	179840	50.0	32.4	
50 Chloroform	83	4.046	4.046	0.000	95	392228	25.0	22.6	
51 1,1,1-Trichloroethane	97	4.137	4.137	0.000	83	336105	25.0	26.8	
52 Cyclohexane	56	4.137	4.137	0.000	93	443440	25.0	28.7	
55 Carbon tetrachloride	117	4.271	4.271	0.000	81	271230	25.0	24.8	
54 1,1-Dichloropropene	75	4.289	4.289	0.000	89	305162	25.0	25.7	
57 Benzene	78	4.484	4.484	0.000	97	864669	25.0	23.5	
53 Isobutyl alcohol	43	4.551	4.551	0.000	42	214955	625.0	369.6	
58 1,2-Dichloroethane	62	4.563	4.557	0.006	79	327131	25.0	22.2	
59 n-Heptane	43	4.679	4.679	0.000	93	425854	25.0	33.7	
62 Trichloroethene	95	5.092	5.092	0.000	92	233589	25.0	24.3	
64 Methylcyclohexane	83	5.196	5.196	0.000	94	403965	25.0	29.6	
65 1,2-Dichloropropane	63	5.330	5.330	0.000	90	211362	25.0	23.3	
67 Dibromomethane	93	5.463	5.463	0.000	87	143293	25.0	22.0	
66 1,4-Dioxane	88	5.488	5.486	0.006	72	60798	500.0	645.2	
68 Dichlorobromomethane	83	5.622	5.622	0.000	94	256874	25.0	22.4	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	92	147187	25.0	21.4	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	86	320518	25.0	22.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.192	0.000	98	1567792	125.0	100.1	
74 Toluene	92	6.309	6.314	0.000	92	561674	25.0	23.7	
77 trans-1,3-Dichloropropene	75	6.607	6.606	0.006	95	272516	25.0	21.2	
75 Ethyl methacrylate	69	6.668	6.673	0.000	73	266865	25.0	22.0	
79 1,1,2-Trichloroethane	83	6.790	6.789	0.006	87	156894	25.0	20.9	
81 Tetrachloroethene	166	6.826	6.831	0.000	82	247008	25.0	24.9	
82 1,3-Dichloropropane	76	6.942	6.947	0.000	97	316132	25.0	21.1	
80 2-Hexanone	43	7.027	7.032	0.000	97	1024667	125.0	95.3	
83 Chlorodibromomethane	129	7.173	7.172	0.006	87	186872	25.0	21.7	
84 Ethylene Dibromide	107	7.264	7.264	0.006	97	198210	25.0	20.6	
87 Chlorobenzene	112	7.733	7.739	0.000	94	620509	25.0	23.5	
88 Ethylbenzene	91	7.836	7.842	0.000	98	1045079	25.0	24.2	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.848	-0.006	38	196585	25.0	23.2	
90 m-Xylene & p-Xylene	106	7.958	7.964	0.000	99	405527	25.0	24.0	
91 o-Xylene	106	8.378	8.384	0.001	97	396494	25.0	22.8	
92 Styrene	104	8.408	8.414	0.000	81	614064	25.0	22.4	
95 Bromoform	173	8.645	8.652	0.000	96	118025	25.0	20.5	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	962431	25.0	25.8	
101 Bromobenzene	156	9.101	9.101	0.000	92	264875	25.0	22.6	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	62	284565	25.0	21.6	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	1197076	25.0	25.3	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	60	97847	25.0	21.8	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.247	-0.006	1	56590	25.0	15.0	
103 2-Chlorotoluene	126	9.302	9.302	0.000	94	251244	25.0	24.3	
102 1,3,5-Trimethylbenzene	105	9.400	9.399	0.000	93	856087	25.0	24.8	
105 4-Chlorotoluene	126	9.424	9.424	0.000	98	250658	25.0	23.8	
106 tert-Butylbenzene	134	9.728	9.734	-0.006	91	198638	25.0	26.0	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	49	890851	25.0	24.6	
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	1085695	25.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	511201	25.0	23.7	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	961689	25.0	25.9	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	94	506128	25.0	22.3	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	831946	25.0	26.2	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	97	497947	25.0	22.4	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.291	0.000	77	58338	25.0	20.4	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	95	349773	25.0	23.3	
120 Hexachlorobutadiene	225	12.088	12.088	0.000	94	169646	25.0	26.1	
121 Naphthalene	128	12.186	12.180	0.006	96	1162621	25.0	22.5	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	94	343362	25.0	22.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00258	Amount Added:	12.50	Units: uL	
GAS CORP mix_00642	Amount Added:	12.50	Units: uL	
S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

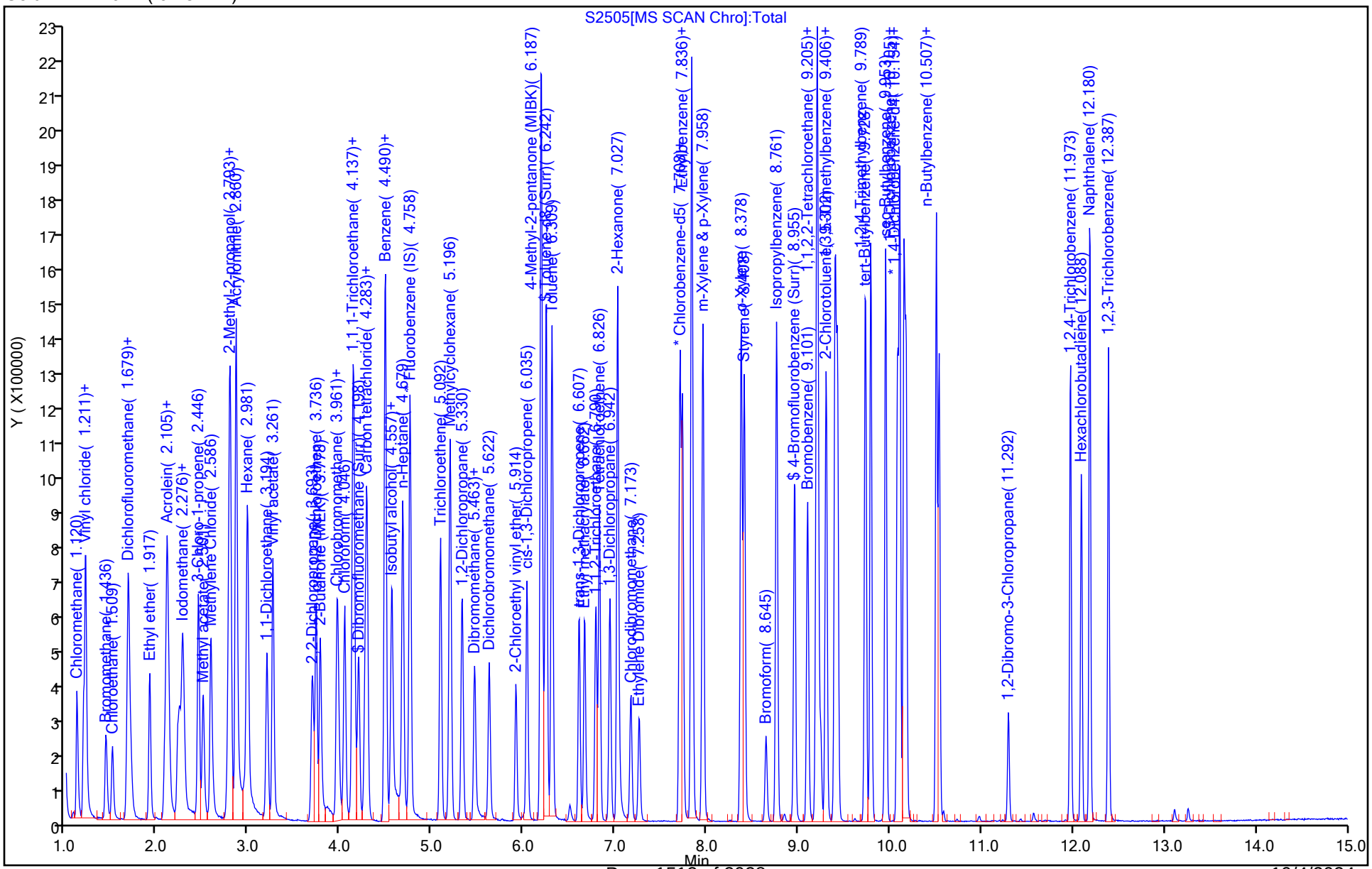
Report Date: 27-Sep-2024 12:21:27 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2505.d

Injection Date:	27-Sep-2024 11:39:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2505.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Sep-2024 11:39:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120249-006
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 12:20:40 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: QR3Z Date: 27-Sep-2024 12:21:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.3	101.17
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.61
$ 5 Toluene-d8 (Surr)	25.0	26.3	105.25
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.6	94.21

Manual Integration/User Assign Peak Report

Eurofins Buffalo

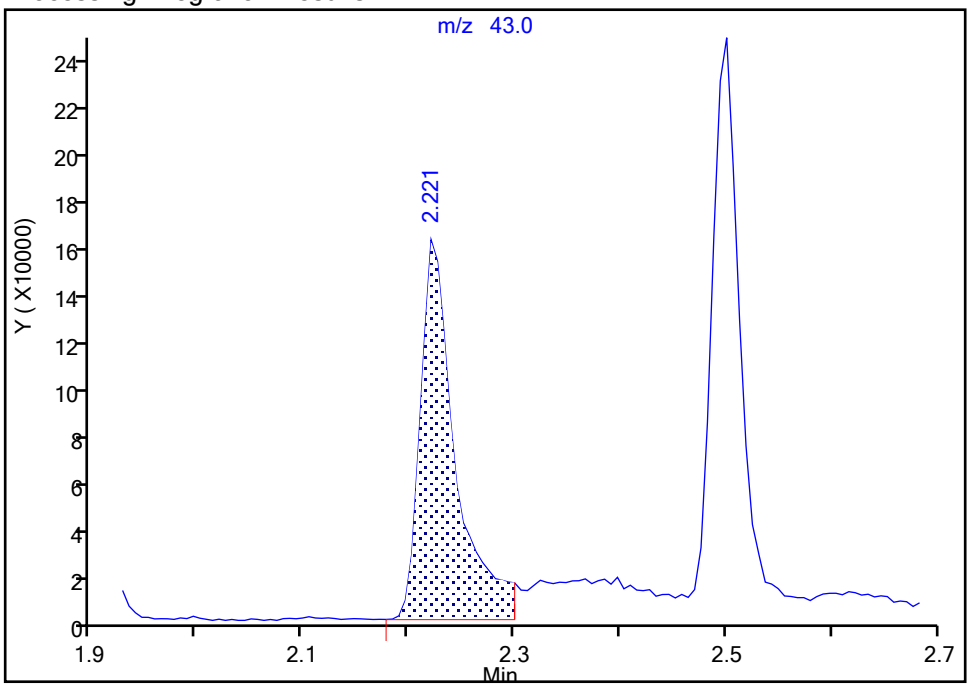
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240927-120249.b\S2505.d
Injection Date: 27-Sep-2024 11:39:30 Instrument ID: HP5973S
Lims ID: LCS
Client ID:
Operator ID: ZN ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

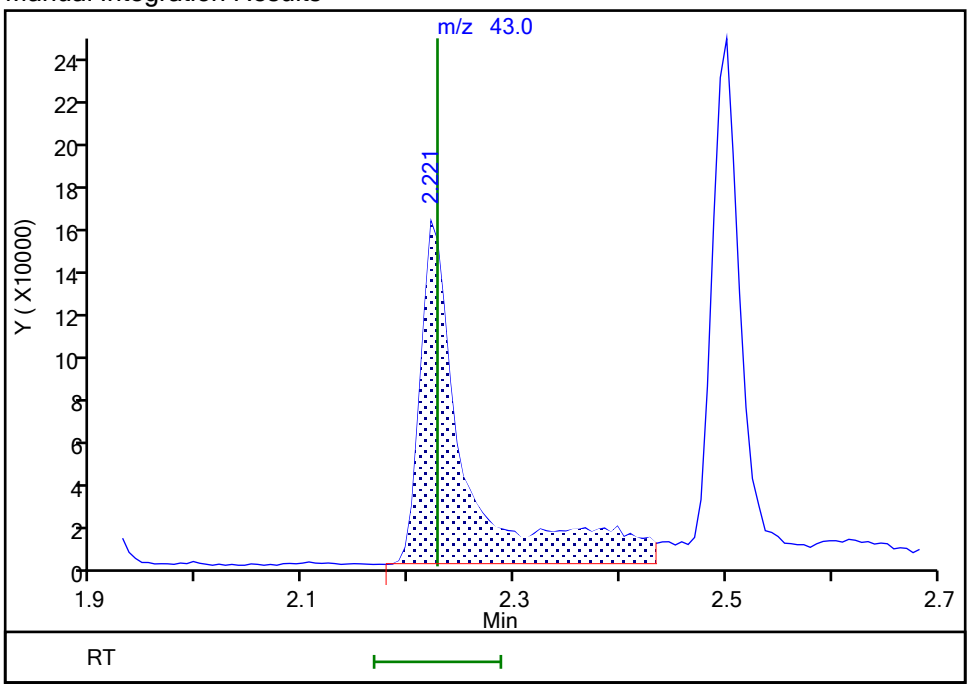
Processing Integration Results

RT: 2.22
Area: 369283
Amount: 68.538953
Amount Units: ug/L



Manual Integration Results

RT: 2.22
Area: 487103
Amount: 90.406353
Amount Units: ug/L



Reviewer: QR3Z, 27-Sep-2024 11:57:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726382/6

Matrix: Water | Lab File ID: D7042.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 11:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.0		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.8		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.3		1.0	0.31
75-34-3	1,1-Dichloroethane	23.9		1.0	0.38
75-35-4	1,1-Dichloroethene	24.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.1		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.1		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.0		1.0	0.79
107-06-2	1,2-Dichloroethane	23.2		1.0	0.21
78-87-5	1,2-Dichloropropane	24.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.0		1.0	0.84
78-93-3	2-Butanone (MEK)	123		10	1.3
591-78-6	2-Hexanone	124		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	125		5.0	2.1
67-64-1	Acetone	119		10	3.0
71-43-2	Benzene	23.4		1.0	0.41
75-27-4	Bromodichloromethane	24.6		1.0	0.39
75-25-2	Bromoform	24.7		1.0	0.26
74-83-9	Bromomethane	20.9		1.0	0.69
75-15-0	Carbon disulfide	23.9		1.0	0.19
56-23-5	Carbon tetrachloride	23.4		1.0	0.27
108-90-7	Chlorobenzene	23.2		1.0	0.75
124-48-1	Dibromochloromethane	24.9		1.0	0.32
75-00-3	Chloroethane	22.4		1.0	0.32
67-66-3	Chloroform	22.5		1.0	0.34
74-87-3	Chloromethane	21.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.6		1.0	0.36
110-82-7	Cyclohexane	24.7		1.0	0.18
75-71-8	Dichlorodifluoromethane	18.3		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726382/6

Matrix: Water | Lab File ID: D7042.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 11:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	23.6		1.0	0.74
106-93-4	1,2-Dibromoethane	24.7		1.0	0.73
98-82-8	Isopropylbenzene	24.8		1.0	0.79
79-20-9	Methyl acetate	48.2		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.2		1.0	0.16
108-87-2	Methylcyclohexane	24.5		1.0	0.16
75-09-2	Methylene Chloride	24.3		1.0	0.44
100-42-5	Styrene	24.5		1.0	0.73
127-18-4	Tetrachloroethene	23.4		1.0	0.36
108-88-3	Toluene	23.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.7		1.0	0.37
79-01-6	Trichloroethene	23.4		1.0	0.46
75-69-4	Trichlorofluoromethane	23.4		1.0	0.88
75-01-4	Vinyl chloride	22.4		1.0	0.90
1330-20-7	Xylenes, Total	48.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7042.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Sep-2024 11:46:30 ALS Bottle#: 34 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120250-006
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 14:33:51 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 14:33:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.748	0.000	98	169487	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.095	7.095	0.000	87	334485	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.003	9.003	0.000	95	365761	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.267	0.000	94	268092	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.517	4.517	0.000	98	150827	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	5.949	5.949	0.000	94	810662	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.052	8.052	0.000	93	271830	25.0	24.2	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	249979	25.0	18.3	
12 Chloromethane	50	1.279	1.279	0.000	99	318708	25.0	21.0	
13 Vinyl chloride	62	1.359	1.359	0.000	98	209259	25.0	22.4	
144 Butadiene	54	1.377	1.377	0.000	99	209376	25.0	22.6	
14 Bromomethane	94	1.639	1.639	0.000	92	147631	25.0	20.9	
15 Chloroethane	64	1.694	1.694	0.000	95	105175	25.0	22.4	
16 Dichlorofluoromethane	67	1.907	1.907	0.000	98	350440	25.0	23.0	
17 Trichlorofluoromethane	101	1.913	1.913	0.000	97	285843	25.0	23.4	
18 Ethyl ether	59	2.151	2.151	0.000	95	140461	25.0	23.4	
20 Acrolein	56	2.310	2.310	0.000	99	125216	125.0	129.6	
22 1,1-Dichloroethene	96	2.352	2.352	0.000	94	169525	25.0	24.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.358	2.358	0.000	93	189612	25.0	24.3	
23 Acetone	43	2.456	2.456	0.000	98	425373	125.0	118.6	
25 Iodomethane	142	2.511	2.511	0.000	99	392159	25.0	23.2	
26 Carbon disulfide	76	2.535	2.535	0.000	100	608890	25.0	23.9	
28 3-Chloro-1-propene	41	2.688	2.688	0.000	89	391918	25.0	25.4	
27 Methyl acetate	43	2.730	2.730	0.000	100	437911	50.0	48.2	
30 Methylene Chloride	84	2.822	2.822	0.000	95	210178	25.0	24.3	
31 2-Methyl-2-propanol	59	2.974	2.974	0.000	99	279051	250.0	251.2	
32 Methyl tert-butyl ether	73	3.011	3.011	0.000	99	537321	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.023	3.023	0.000	95	193503	25.0	24.3	
33 Acrylonitrile	53	3.066	3.066	0.000	97	989400	250.0	244.4	
35 Hexane	57	3.200	3.200	0.000	95	290207	25.0	24.1	
39 1,1-Dichloroethane	63	3.389	3.389	0.000	96	386402	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.444	3.444	0.000	96	1126435	50.0	53.5	
44 2,2-Dichloropropane	77	3.840	3.840	0.000	94	217091	25.0	24.9	
45 cis-1,2-Dichloroethene	96	3.870	3.870	0.000	85	213914	25.0	23.8	
43 2-Butanone (MEK)	43	3.901	3.901	0.000	97	671193	125.0	122.7	
48 Chlorobromomethane	128	4.072	4.072	0.000	95	123799	25.0	23.7	
49 Tetrahydrofuran	42	4.084	4.084	0.000	93	177471	50.0	45.0	
50 Chloroform	83	4.132	4.132	0.000	95	365476	25.0	22.5	
51 1,1,1-Trichloroethane	97	4.230	4.230	0.000	99	293389	25.0	23.6	
52 Cyclohexane	56	4.242	4.242	0.000	97	361086	25.0	24.7	
55 Carbon tetrachloride	117	4.346	4.346	0.000	96	275264	25.0	23.4	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	92	254541	25.0	23.7	
57 Benzene	78	4.523	4.523	0.000	98	709007	25.0	23.4	
53 Isobutyl alcohol	43	4.535	4.535	0.000	92	333218	625.0	618.8	
58 1,2-Dichloroethane	62	4.578	4.578	0.000	96	303814	25.0	23.2	
59 n-Heptane	43	4.675	4.675	0.000	97	350605	25.0	23.7	
62 Trichloroethene	95	5.023	5.023	0.000	97	202396	25.0	23.4	
64 Methylcyclohexane	83	5.120	5.120	0.000	98	285863	25.0	24.5	
65 1,2-Dichloropropane	63	5.212	5.212	0.000	95	216851	25.0	24.8	
67 Dibromomethane	93	5.327	5.327	0.000	96	155116	25.0	24.8	
66 1,4-Dioxane	88	5.327	5.327	0.000	95	36411	500.0	475.9	
68 Dichlorobromomethane	83	5.443	5.443	0.000	97	270383	25.0	24.6	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	149117	25.0	27.0	
72 cis-1,3-Dichloropropene	75	5.772	5.772	0.000	92	326546	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.882	0.000	98	1465546	125.0	125.2	
74 Toluene	92	6.004	6.004	0.000	98	431722	25.0	23.4	
77 trans-1,3-Dichloropropene	75	6.211	6.211	0.000	97	288967	25.0	26.7	
75 Ethyl methacrylate	69	6.242	6.242	0.000	96	249372	25.0	25.9	
79 1,1,2-Trichloroethane	83	6.364	6.364	0.000	92	159587	25.0	24.8	
81 Tetrachloroethene	166	6.419	6.419	0.000	95	208439	25.0	23.4	
82 1,3-Dichloropropane	76	6.486	6.486	0.000	97	283515	25.0	24.7	
80 2-Hexanone	43	6.528	6.528	0.000	99	1024792	125.0	123.6	
83 Chlorodibromomethane	129	6.675	6.675	0.000	90	238853	25.0	24.9	
84 Ethylene Dibromide	107	6.754	6.754	0.000	99	209726	25.0	24.7	
87 Chlorobenzene	112	7.120	7.120	0.000	97	502236	25.0	23.2	
88 Ethylbenzene	91	7.187	7.187	0.000	99	785582	25.0	23.6	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.193	0.000	97	201819	25.0	23.9	
90 m-Xylene & p-Xylene	106	7.278	7.278	0.000	99	306272	25.0	23.7	
91 o-Xylene	106	7.607	7.607	0.000	95	306826	25.0	24.3	
92 Styrene	104	7.626	7.626	0.000	95	515166	25.0	24.5	
95 Bromoform	173	7.821	7.821	0.000	96	162602	25.0	24.7	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	730630	25.0	24.8	
101 Bromobenzene	156	8.174	8.174	0.000	92	237754	25.0	24.0	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.205	0.000	95	273029	25.0	24.0	
99 N-Propylbenzene	91	8.229	8.229	0.000	99	951438	25.0	24.6	
100 1,2,3-Trichloropropane	110	8.235	8.235	0.000	85	69927	25.0	24.2	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	86	87698	25.0	25.6	
103 2-Chlorotoluene	126	8.321	8.321	0.000	97	207198	25.0	24.3	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	681168	25.0	24.7	
105 4-Chlorotoluene	126	8.412	8.412	0.000	97	213616	25.0	24.2	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	132390	25.0	25.1	
107 1,2,4-Trimethylbenzene	105	8.686	8.686	0.000	98	711695	25.0	24.9	
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	882564	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.943	8.943	0.000	98	765620	25.0	24.8	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	99	442338	25.0	23.5	
113 1,4-Dichlorobenzene	146	9.022	9.022	0.000	95	453515	25.0	23.0	
115 n-Butylbenzene	91	9.284	9.284	0.000	98	716134	25.0	25.5	
116 1,2-Dichlorobenzene	146	9.339	9.339	0.000	99	448446	25.0	24.0	
117 1,2-Dibromo-3-Chloropropane	75	10.015	10.015	0.000	86	48825	25.0	24.1	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	321341	25.0	24.1	
120 Hexachlorobutadiene	225	10.790	10.790	0.000	97	159005	25.0	23.1	
121 Naphthalene	128	10.893	10.893	0.000	97	774102	25.0	24.4	
122 1,2,3-Trichlorobenzene	180	11.095	11.095	0.000	96	303256	25.0	23.1	
S 125 1,2-Dichloroethene, Total	1				0			48.1	
S 126 1,3-Dichloropropene, Total	1				0			53.2	
S 124 Xylenes, Total	1				0			48.0	
S 123 Total BTEX	1				0			118.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added:	12.50	Units: uL	
GAS CORP mix_00642	Amount Added:	12.50	Units: uL	
D 8260 IS/SUR_00092	Amount Added:	1.00	Units: uL	Run Reagent

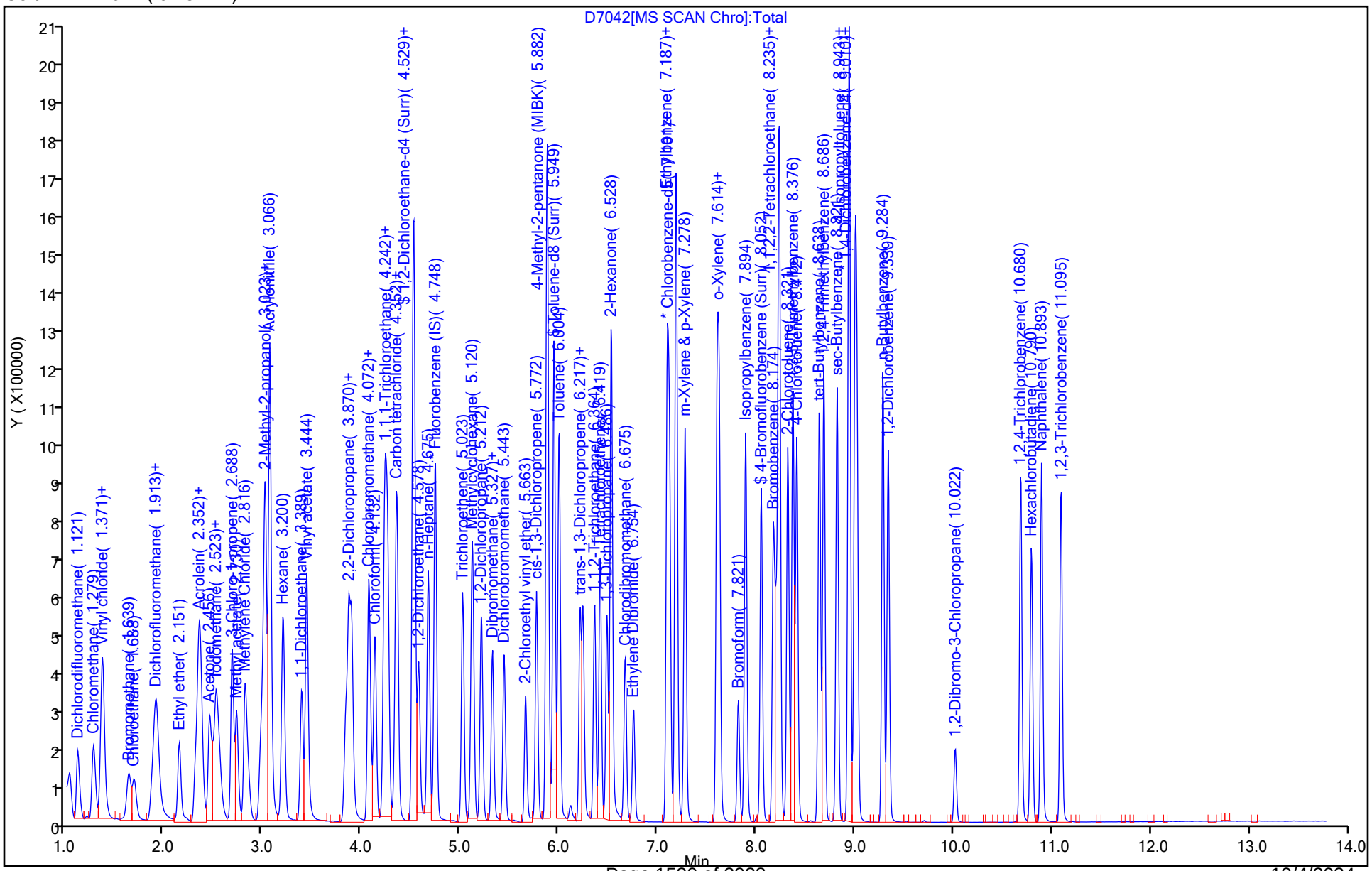
Report Date: 27-Sep-2024 14:33:52 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7042.d

Injection Date:	27-Sep-2024 11:46:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7042.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Sep-2024 11:46:30 ALS Bottle#: 34 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120250-006
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Sep-2024 14:33:51 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1689

First Level Reviewer: HF3K Date: 27-Sep-2024 14:33:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	24.6	98.41
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.4	97.62
$ 5 Toluene-d8 (Surr)	25.0	25.1	100.46
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.2	96.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726431/6

Matrix: Water | Lab File ID: K5210.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 00:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.4		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.0		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.1		1.0	0.31
75-34-3	1,1-Dichloroethane	28.4		1.0	0.38
75-35-4	1,1-Dichloroethene	26.4		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	28.0		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.5		1.0	0.79
107-06-2	1,2-Dichloroethane	25.3		1.0	0.21
78-87-5	1,2-Dichloropropane	28.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.6		1.0	0.84
78-93-3	2-Butanone (MEK)	137		10	1.3
591-78-6	2-Hexanone	147		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	144		5.0	2.1
67-64-1	Acetone	146		10	3.0
71-43-2	Benzene	27.2		1.0	0.41
75-27-4	Bromodichloromethane	26.1		1.0	0.39
75-25-2	Bromoform	28.6		1.0	0.26
74-83-9	Bromomethane	27.2		1.0	0.69
75-15-0	Carbon disulfide	28.7		1.0	0.19
56-23-5	Carbon tetrachloride	27.9		1.0	0.27
108-90-7	Chlorobenzene	26.5		1.0	0.75
124-48-1	Dibromochloromethane	27.2		1.0	0.32
75-00-3	Chloroethane	33.1		1.0	0.32
67-66-3	Chloroform	24.5		1.0	0.34
74-87-3	Chloromethane	28.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.6		1.0	0.36
110-82-7	Cyclohexane	28.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	21.6		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726431/6

Matrix: Water | Lab File ID: K5210.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 00:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726431 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977K

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	28.4		1.0	0.74
106-93-4	1,2-Dibromoethane	24.9		1.0	0.73
98-82-8	Isopropylbenzene	27.0		1.0	0.79
79-20-9	Methyl acetate	59.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.4		1.0	0.16
108-87-2	Methylcyclohexane	25.2		1.0	0.16
75-09-2	Methylene Chloride	25.1		1.0	0.44
100-42-5	Styrene	26.4		1.0	0.73
127-18-4	Tetrachloroethene	27.8		1.0	0.36
108-88-3	Toluene	28.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.1		1.0	0.37
79-01-6	Trichloroethene	27.1		1.0	0.46
75-69-4	Trichlorofluoromethane	31.6		1.0	0.88
75-01-4	Vinyl chloride	30.0		1.0	0.90
1330-20-7	Xylenes, Total	53.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5210.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Sep-2024 00:10:02 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120263-006
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:53:14 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 09:53:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	98	118066	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	89	430352	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.723	10.719	0.004	96	228838	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.745	4.739	0.006	92	147158	25.0	23.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.051	5.044	0.007	99	173797	25.0	23.2	
$ 6 Toluene-d8 (Surr)	98	6.858	6.854	0.004	95	599057	25.0	25.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	94	160653	25.0	24.2	
11 Dichlorodifluoromethane	85	1.183	1.179	0.004	99	170177	25.0	21.6	
13 Chloromethane	50	1.353	1.350	0.003	99	253569	25.0	28.8	
14 Vinyl chloride	62	1.440	1.437	0.003	98	198203	25.0	30.0	
151 Butadiene	54	1.472	1.469	0.003	89	229063	25.0	35.8	
15 Bromomethane	94	1.748	1.745	0.003	93	122367	25.0	27.2	
16 Chloroethane	64	1.842	1.838	0.004	97	144445	25.0	33.1	
18 Dichlorofluoromethane	67	2.057	2.054	0.003	97	346411	25.0	30.4	
17 Trichlorofluoromethane	101	2.073	2.070	0.003	95	280345	25.0	31.6	
19 Ethyl ether	59	2.359	2.353	0.006	96	126131	25.0	25.2	
21 Acrolein	56	2.514	2.514	0.013	99	90178	125.0	103.7	M
22 1,1-Dichloroethene	96	2.568	2.565	0.003	94	132389	25.0	26.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.597	2.591	0.006	96	133155	25.0	28.1	
23 Acetone	43	2.671	2.658	0.013	99	389066	125.0	145.7	
24 Iodomethane	142	2.748	2.748	0.003	100	204742	25.0	25.5	M
25 Carbon disulfide	76	2.768	2.768	0.000	100	360109	25.0	28.7	
27 3-Chloro-1-propene	41	2.935	2.929	0.007	88	224138	25.0	28.8	
28 Methyl acetate	43	2.980	2.974	0.006	99	343979	50.0	59.5	
30 Methylene Chloride	84	3.070	3.067	0.003	96	133163	25.0	25.1	
31 2-Methyl-2-propanol	59	3.247	3.247	0.013	98	309677	250.0	237.1	M
33 Methyl tert-butyl ether	73	3.318	3.308	0.010	99	390301	25.0	24.4	
32 trans-1,2-Dichloroethene	96	3.318	3.314	0.004	93	134591	25.0	27.7	
34 Acrylonitrile	53	3.330	3.321	0.009	98	973394	250.0	282.3	
35 Hexane	57	3.549	3.543	0.006	92	234133	25.0	33.9	
36 1,1-Dichloroethane	63	3.726	3.723	0.003	97	278232	25.0	28.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.787	3.781	0.006	97	627990	50.0	53.1	
42 2,2-Dichloropropane	77	4.256	4.253	0.003	87	103521	25.0	22.9	
43 cis-1,2-Dichloroethene	96	4.282	4.279	0.003	86	141144	25.0	25.5	
44 2-Butanone (MEK)	43	4.308	4.301	0.007	99	614498	125.0	136.6	
47 Chlorobromomethane	128	4.510	4.507	0.003	93	68054	25.0	23.2	
48 Tetrahydrofuran	42	4.549	4.543	0.006	90	156336	50.0	52.4	
50 Chloroform	83	4.594	4.588	0.006	97	242211	25.0	24.5	
51 1,1,1-Trichloroethane	97	4.726	4.723	0.003	97	222447	25.0	25.5	
52 Cyclohexane	56	4.758	4.755	0.003	94	300704	25.0	28.2	
53 Carbon tetrachloride	117	4.874	4.871	0.003	96	188697	25.0	27.9	
54 1,1-Dichloropropene	75	4.880	4.877	0.003	93	197539	25.0	29.4	
56 Isobutyl alcohol	43	5.076	5.070	0.006	71	331679	625.0	717.0	
55 Benzene	78	5.076	5.073	0.003	97	538944	25.0	27.2	
57 1,2-Dichloroethane	62	5.121	5.118	0.003	96	217371	25.0	25.3	
59 n-Heptane	43	5.301	5.295	0.006	94	199536	25.0	34.0	
60 Trichloroethene	95	5.690	5.687	0.003	95	145227	25.0	27.1	
62 Methylcyclohexane	83	5.838	5.835	0.003	98	237048	25.0	25.2	
63 1,2-Dichloropropane	63	5.912	5.909	0.003	91	150048	25.0	28.0	
65 Dibromomethane	93	6.041	6.038	0.003	94	88681	25.0	24.4	
66 1,4-Dioxane	88	6.063	6.054	0.009	96	40944	500.0	508.8	
67 Dichlorobromomethane	83	6.199	6.195	0.004	97	164886	25.0	26.1	
69 2-Chloroethyl vinyl ether	63	6.481	6.478	0.003	92	113392	25.0	25.8	
71 cis-1,3-Dichloropropene	75	6.620	6.617	0.004	90	190430	25.0	24.6	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.758	0.006	98	1241275	125.0	143.6	
73 Toluene	92	6.922	6.919	0.003	97	339381	25.0	28.2	
75 trans-1,3-Dichloropropene	75	7.179	7.176	0.003	98	166889	25.0	25.1	
77 Ethyl methacrylate	69	7.247	7.244	0.003	92	179548	25.0	25.8	
78 1,1,2-Trichloroethane	83	7.362	7.359	0.003	95	101678	25.0	26.0	
79 Tetrachloroethene	166	7.465	7.465	0.000	93	144751	25.0	27.8	
80 1,3-Dichloropropane	76	7.526	7.523	0.003	96	207416	25.0	25.0	
81 2-Hexanone	43	7.600	7.597	0.003	98	954181	125.0	146.9	
82 Chlorodibromomethane	129	7.761	7.758	0.003	90	124939	25.0	27.2	
83 Ethylene Dibromide	107	7.867	7.864	0.003	97	127624	25.0	24.9	
86 Chlorobenzene	112	8.359	8.356	0.003	93	361532	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	8.449	8.449	0.000	90	120196	25.0	28.3	
88 Ethylbenzene	91	8.459	8.459	0.000	99	649502	25.0	28.4	
90 m-Xylene & p-Xylene	106	8.584	8.581	0.003	98	243283	25.0	27.5	
91 o-Xylene	106	9.006	9.002	0.004	98	230224	25.0	26.3	
92 Styrene	104	9.028	9.028	0.000	95	378593	25.0	26.4	
93 Bromoform	173	9.253	9.253	0.000	93	80757	25.0	28.6	
95 Isopropylbenzene	105	9.395	9.395	0.000	97	570966	25.0	27.0	
97 Bromobenzene	156	9.726	9.726	0.000	95	143000	25.0	24.5	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.761	0.003	95	192267	25.0	24.4	
100 1,2,3-Trichloropropane	110	9.793	9.797	-0.003	90	64047	25.0	23.5	
101 trans-1,4-Dichloro-2-butene	53	9.813	9.809	0.004	81	55582	25.0	19.5	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	753036	25.0	28.3	
105 2-Chlorotoluene	126	9.922	9.919	0.003	95	144307	25.0	25.8	
104 1,3,5-Trimethylbenzene	105	10.006	10.005	0.001	95	505782	25.0	26.5	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	495341	25.0	26.0	
106 tert-Butylbenzene	134	10.324	10.324	0.000	95	114643	25.0	26.8	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	513279	25.0	26.1	
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	673482	25.0	27.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.658	10.655	0.003	98	275949	25.0	25.2	
111 4-Isopropyltoluene	119	10.678	10.674	0.004	97	571002	25.0	27.0	
113 1,4-Dichlorobenzene	146	10.745	10.742	0.003	93	277317	25.0	24.6	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	496659	25.0	28.2	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	96	269682	25.0	24.5	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	79	43450	25.0	28.0	
119 1,2,4-Trichlorobenzene	180	12.497	12.501	-0.004	93	163184	25.0	23.8	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	94	64385	25.0	23.1	
121 Naphthalene	128	12.706	12.706	0.000	98	591616	25.0	23.0	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	95	160032	25.0	23.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00642	Amount Added: 12.50	Units: uL	
8260 CORP mix_00259	Amount Added: 12.50	Units: uL	
K WATER IS/SS_00014	Amount Added: 5.00	Units: uL	Run Reagent

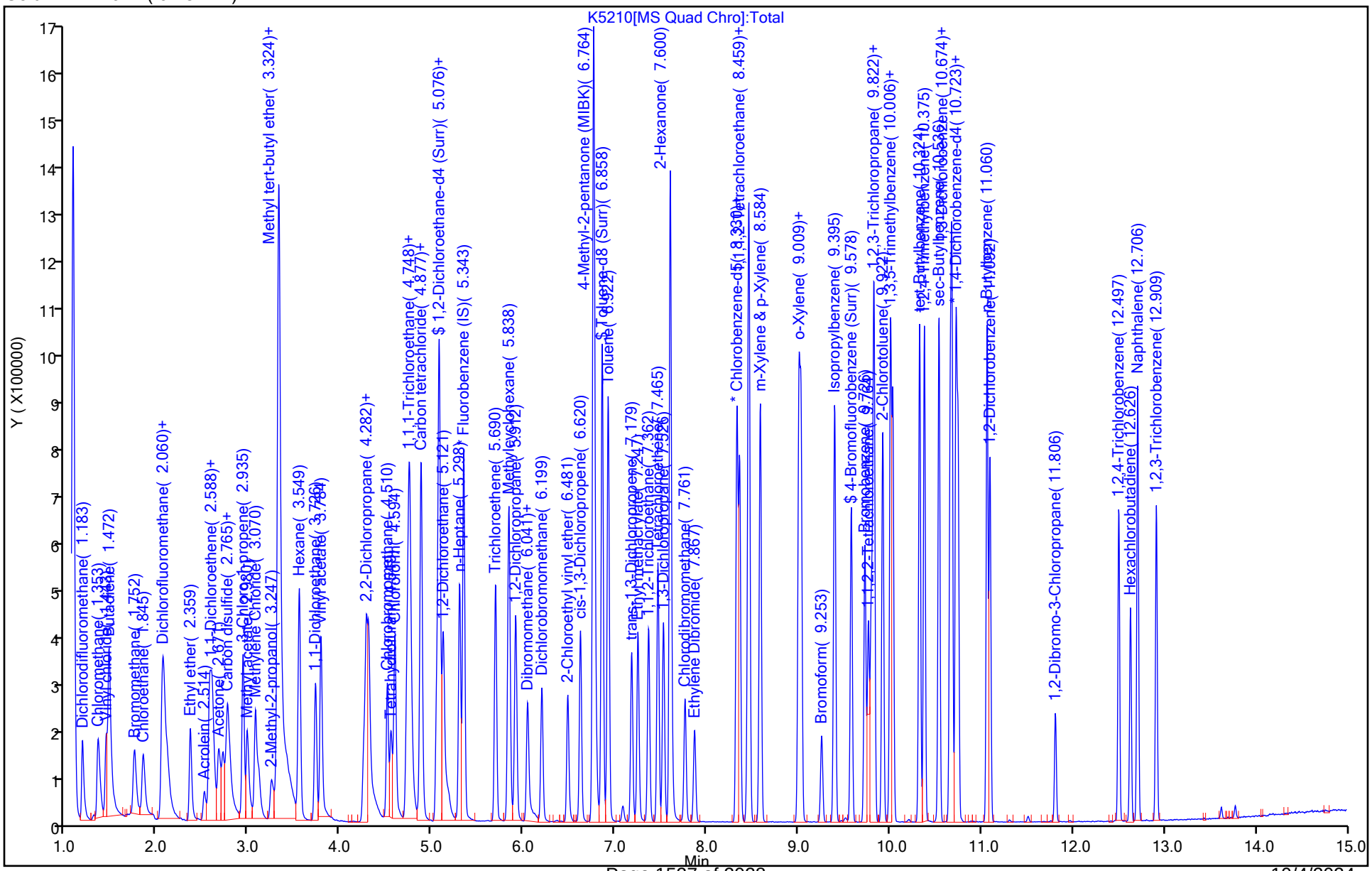
Report Date: 30-Sep-2024 09:53:15 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5210.D

Injection Date:	28-Sep-2024 00:10:02	Instrument ID:	HP5977K	Operator ID:	RS
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K5210.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Sep-2024 00:10:02 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120263-006
Operator ID: RS Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240927-120263.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 09:53:14 Calib Date: 17-Sep-2024 22:00:09
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240917-120078.b\K4880.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 09:53:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	23.9	95.51
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	23.2	92.72
$ 6 Toluene-d8 (Surr)	25.0	25.7	102.91
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.2	96.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726463/6

Matrix: Water | Lab File ID: L8920.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 04:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.1		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.3		1.0	0.31
75-34-3	1,1-Dichloroethane	23.0		1.0	0.38
75-35-4	1,1-Dichloroethene	23.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	26.2		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.1		1.0	0.79
107-06-2	1,2-Dichloroethane	23.4		1.0	0.21
78-87-5	1,2-Dichloropropane	24.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.0		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.5		1.0	0.84
78-93-3	2-Butanone (MEK)	132		10	1.3
591-78-6	2-Hexanone	140		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	133		5.0	2.1
67-64-1	Acetone	135		10	3.0
71-43-2	Benzene	23.3		1.0	0.41
75-27-4	Bromodichloromethane	23.6		1.0	0.39
75-25-2	Bromoform	27.8		1.0	0.26
74-83-9	Bromomethane	20.0		1.0	0.69
75-15-0	Carbon disulfide	22.2		1.0	0.19
56-23-5	Carbon tetrachloride	21.8		1.0	0.27
108-90-7	Chlorobenzene	23.9		1.0	0.75
124-48-1	Dibromochloromethane	26.3		1.0	0.32
75-00-3	Chloroethane	20.7		1.0	0.32
67-66-3	Chloroform	22.3		1.0	0.34
74-87-3	Chloromethane	20.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.7		1.0	0.36
110-82-7	Cyclohexane	19.7		1.0	0.18
75-71-8	Dichlorodifluoromethane	20.0		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726463/6

Matrix: Water | Lab File ID: L8920.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 04:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	24.0		1.0	0.74
106-93-4	1,2-Dibromoethane	26.0		1.0	0.73
98-82-8	Isopropylbenzene	22.7		1.0	0.79
79-20-9	Methyl acetate	49.2		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.3		1.0	0.16
108-87-2	Methylcyclohexane	20.4		1.0	0.16
75-09-2	Methylene Chloride	23.4		1.0	0.44
100-42-5	Styrene	24.6		1.0	0.73
127-18-4	Tetrachloroethene	23.8		1.0	0.36
108-88-3	Toluene	23.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.2		1.0	0.37
79-01-6	Trichloroethene	22.6		1.0	0.46
75-69-4	Trichlorofluoromethane	22.4		1.0	0.88
75-01-4	Vinyl chloride	21.1		1.0	0.90
1330-20-7	Xylenes, Total	48.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	107		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8920.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Sep-2024 04:20:11 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120267-006
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:47:52 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:47:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	98	145855	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.535	8.532	0.003	87	525045	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	290765	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.101	5.098	0.003	92	186821	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.397	5.394	0.003	96	246682	25.0	25.3	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	718395	25.0	26.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	96	214276	25.0	27.9	
10 Dichlorodifluoromethane	85	1.744	1.738	0.006	99	195010	25.0	20.0	
13 Chloromethane	50	1.960	1.957	0.003	99	221140	25.0	20.9	
14 Vinyl chloride	62	2.063	2.059	0.004	98	184003	25.0	21.1	
15 Butadiene	54	2.092	2.092	0.000	92	160684	25.0	21.6	
18 Bromomethane	94	2.416	2.410	0.006	89	128649	25.0	20.0	
19 Chloroethane	64	2.510	2.513	-0.003	99	122022	25.0	20.7	
20 Dichlorofluoromethane	67	2.699	2.699	0.000	97	336273	25.0	22.5	
21 Trichlorofluoromethane	101	2.725	2.725	0.000	97	261265	25.0	22.4	
26 Ethyl ether	59	3.001	2.998	0.003	91	181722	25.0	23.0	
28 Acrolein	56	3.140	3.137	0.003	99	153900	125.0	113.5	
30 1,1-Dichloroethene	96	3.201	3.198	0.003	97	181729	25.0	23.0	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.194	3.194	-0.007	92	165487	25.0	23.3	M
31 Acetone	43	3.288	3.288	0.000	99	545565	125.0	135.3	
33 Iodomethane	142	3.368	3.358	0.010	99	279603	25.0	23.7	
35 Carbon disulfide	76	3.423	3.416	0.007	100	542702	25.0	22.2	
37 3-Chloro-1-propene	41	3.513	3.510	0.003	86	278789	25.0	22.0	
38 Methyl acetate	43	3.555	3.551	0.004	98	482453	50.0	49.2	
39 Methylene Chloride	84	3.635	3.632	0.003	95	201300	25.0	23.4	
40 2-Methyl-2-propanol	59	3.786	3.783	0.003	99	454341	250.0	265.9	
42 trans-1,2-Dichloroethene	96	3.850	3.847	0.003	96	188375	25.0	22.3	
44 Acrylonitrile	53	3.857	3.854	0.003	98	1191058	250.0	244.5	
41 Methyl tert-butyl ether	73	3.866	3.863	0.003	96	648974	25.0	24.3	
47 Hexane	57	4.037	4.037	0.000	94	257515	25.0	18.6	
50 1,1-Dichloroethane	63	4.207	4.204	0.003	96	337809	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.243	4.239	0.004	97	971891	50.0	48.7	
56 2,2-Dichloropropane	77	4.686	4.683	0.003	87	152033	25.0	19.3	
58 cis-1,2-Dichloroethene	96	4.702	4.702	0.000	81	208184	25.0	23.5	
57 2-Butanone (MEK)	43	4.731	4.728	0.003	100	881246	125.0	131.6	
60 Chlorobromomethane	128	4.911	4.908	0.003	93	107765	25.0	24.5	
62 Chloroform	83	4.960	4.960	0.000	93	340341	25.0	22.3	
61 Tetrahydrofuran	42	4.995	4.992	0.003	86	222246	50.0	48.0	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	99	249200	25.0	21.2	
65 Cyclohexane	56	5.153	5.153	0.000	92	283120	25.0	19.7	
67 1,1-Dichloropropene	75	5.249	5.246	0.003	95	254493	25.0	22.4	
66 Carbon tetrachloride	117	5.259	5.255	0.004	96	229072	25.0	21.8	
69 Isobutyl alcohol	43	5.381	5.378	0.003	93	495163	625.0	784.3	
70 Benzene	78	5.436	5.432	0.004	95	741724	25.0	23.3	
72 1,2-Dichloroethane	62	5.461	5.458	0.003	97	298768	25.0	23.4	
73 n-Heptane	43	5.587	5.583	0.004	91	252670	25.0	18.7	
75 Trichloroethene	95	5.989	5.985	0.004	97	195098	25.0	22.6	
76 Methylcyclohexane	83	6.140	6.137	0.004	91	304162	25.0	20.4	
77 1,2-Dichloropropane	63	6.194	6.194	0.000	95	198035	25.0	24.0	
82 Dibromomethane	93	6.326	6.323	0.003	95	141040	25.0	24.5	
81 1,4-Dioxane	88	6.358	6.358	0.000	97	59045	500.0	722.9	M
83 Dichlorobromomethane	83	6.445	6.445	0.000	98	253030	25.0	23.6	
84 2-Chloroethyl vinyl ether	63	6.686	6.686	0.000	94	163189	25.0	24.7	
85 cis-1,3-Dichloropropene	75	6.847	6.844	0.003	94	326644	25.0	23.7	
87 4-Methyl-2-pentanone (MIBK)	43	6.982	6.979	0.003	97	1691836	125.0	133.3	
88 Toluene	92	7.156	7.153	0.003	98	472774	25.0	23.8	
91 trans-1,3-Dichloropropene	75	7.368	7.365	0.003	94	314181	25.0	26.2	
90 Ethyl methacrylate	69	7.419	7.419	0.000	91	335813	25.0	26.4	
93 1,1,2-Trichloroethane	83	7.554	7.554	0.000	93	159383	25.0	25.6	
94 Tetrachloroethene	166	7.689	7.690	-0.001	95	186447	25.0	23.8	
95 1,3-Dichloropropane	76	7.722	7.718	0.004	91	337413	25.0	25.8	
96 2-Hexanone	43	7.786	7.783	0.003	96	1333490	125.0	140.5	
98 Chlorodibromomethane	129	7.963	7.963	0.000	91	207183	25.0	26.3	
101 Ethylene Dibromide	107	8.088	8.085	0.003	98	212723	25.0	26.0	
103 Chlorobenzene	112	8.564	8.561	0.003	94	523365	25.0	23.9	
105 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	94	191695	25.0	25.2	
104 Ethylbenzene	91	8.644	8.641	0.003	99	894899	25.0	24.0	
106 m-Xylene & p-Xylene	106	8.760	8.760	0.000	99	348648	25.0	24.1	
107 o-Xylene	106	9.188	9.188	0.000	97	341388	25.0	24.3	
109 Styrene	104	9.207	9.204	0.003	95	574955	25.0	24.6	
110 Bromoform	173	9.448	9.448	0.000	94	145300	25.0	27.8	
111 Isopropylbenzene	105	9.564	9.561	0.003	96	808247	25.0	22.7	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.921	0.003	96	324773	25.0	26.1	
113 Bromobenzene	156	9.940	9.940	0.000	97	220050	25.0	24.0	
116 1,2,3-Trichloropropane	110	9.976	9.972	0.004	86	109897	25.0	25.6	
115 trans-1,4-Dichloro-2-butene	53	9.979	9.976	0.003	67	93346	25.0	22.1	
114 N-Propylbenzene	91	10.008	10.008	0.000	98	1065148	25.0	23.1	
117 2-Chlorotoluene	126	10.127	10.130	-0.003	96	204298	25.0	22.8	
118 1,3,5-Trimethylbenzene	105	10.188	10.185	0.003	93	750338	25.0	23.2	
119 4-Chlorotoluene	91	10.239	10.236	0.003	98	673047	25.0	22.2	
120 tert-Butylbenzene	134	10.519	10.516	0.003	93	166977	25.0	23.7	
121 1,2,4-Trimethylbenzene	105	10.570	10.570	0.000	98	782011	25.0	23.3	
122 sec-Butylbenzene	105	10.731	10.731	0.000	95	977835	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
123 4-Isopropyltoluene	119	10.866	10.863	0.003	97	829710	25.0	22.9	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	97	431041	25.0	24.0	
126 1,4-Dichlorobenzene	146	10.959	10.960	-0.001	92	434628	25.0	23.5	
127 n-Butylbenzene	91	11.249	11.246	0.003	98	774442	25.0	23.0	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	96	423537	25.0	24.1	
129 1,2-Dibromo-3-Chloropropane	75	11.992	11.988	0.004	82	84554	25.0	26.2	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	94	308712	25.0	25.6	
131 Hexachlorobutadiene	225	12.754	12.754	0.000	96	110940	25.0	26.5	
132 Naphthalene	128	12.847	12.847	0.000	97	1068596	25.0	25.4	
133 1,2,3-Trichlorobenzene	180	13.046	13.046	0.000	94	303499	25.0	26.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

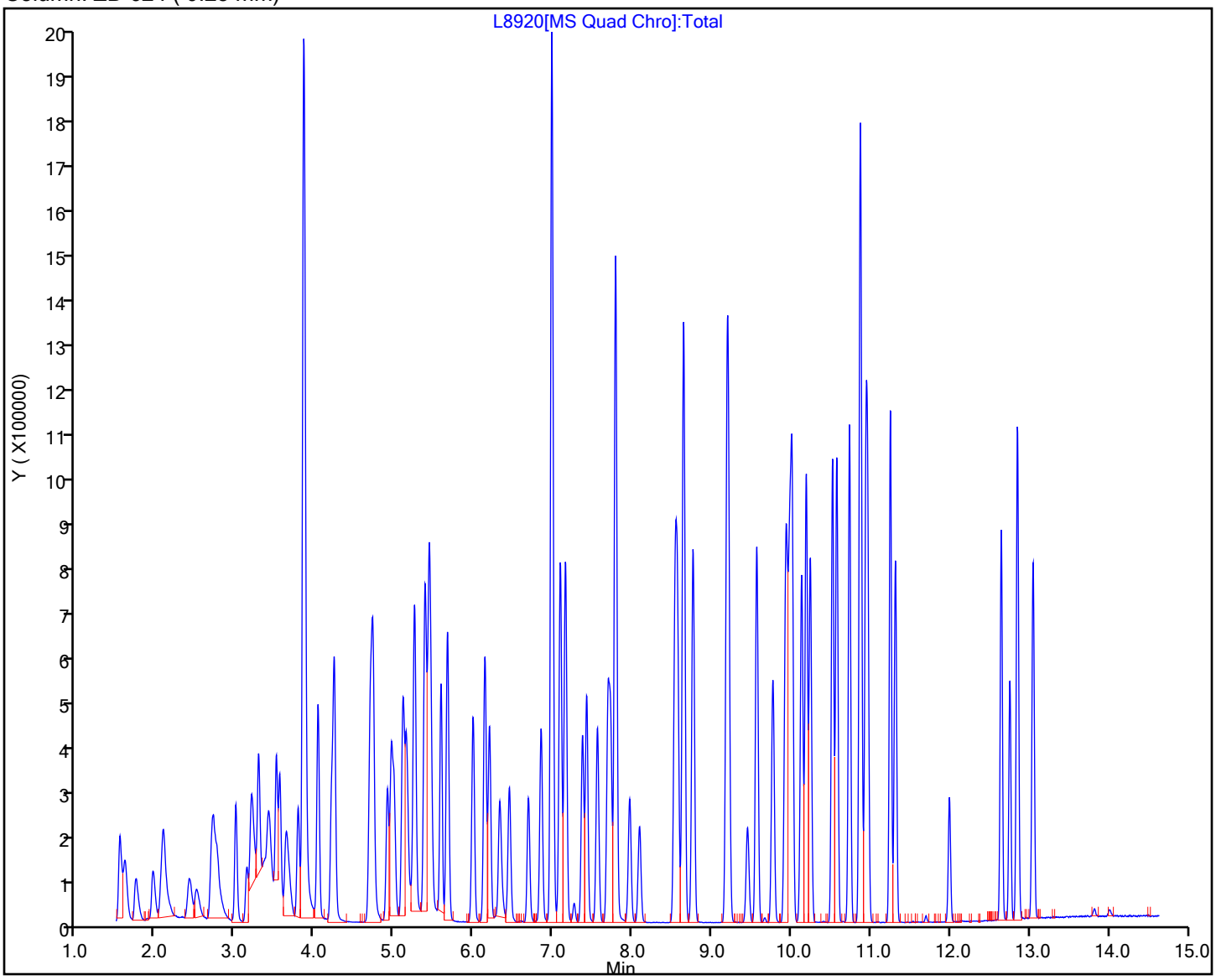
Reagents:

8260 CORP mix_00259	Amount Added:	12.50	Units: uL	
GAS CORP mix_00642	Amount Added:	12.50	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 30-Sep-2024 13:47:54 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8920.D
Injection Date: 28-Sep-2024 04:20:11 Instrument ID: HP5977L
Lims ID: LCS
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8920.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Sep-2024 04:20:11 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0120267-006
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:47:52 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:47:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	24.6	98.44
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.3	101.29
$ 6 Toluene-d8 (Surr)	25.0	26.7	106.92
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.9	111.67

Manual Integration/User Assign Peak Report

Eurofins Buffalo

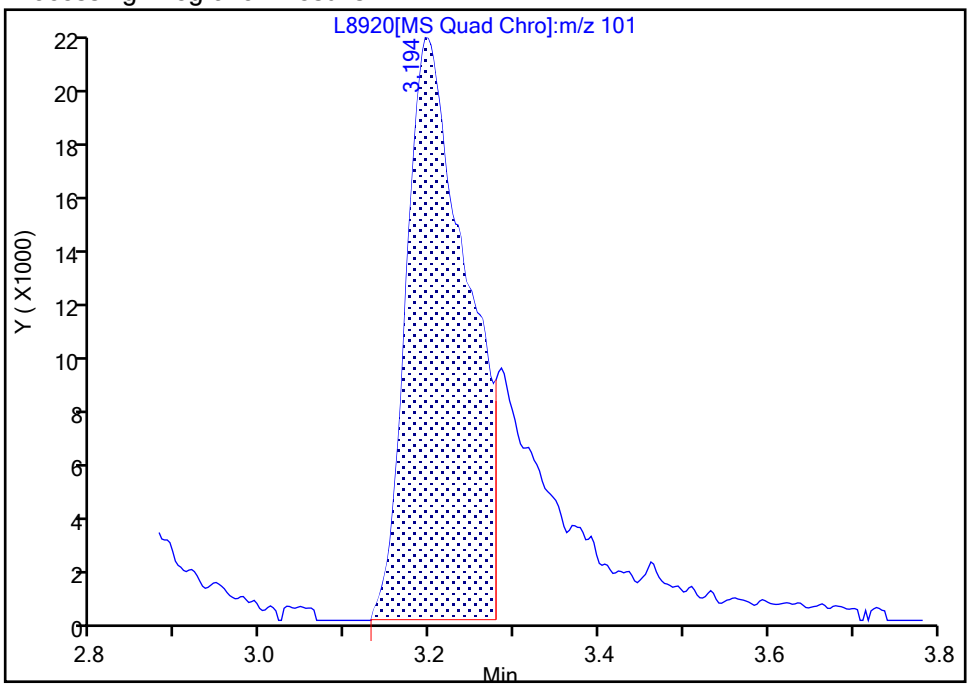
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8920.D
Injection Date: 28-Sep-2024 04:20:11 Instrument ID: HP5977L
Lims ID: LCS
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

29 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

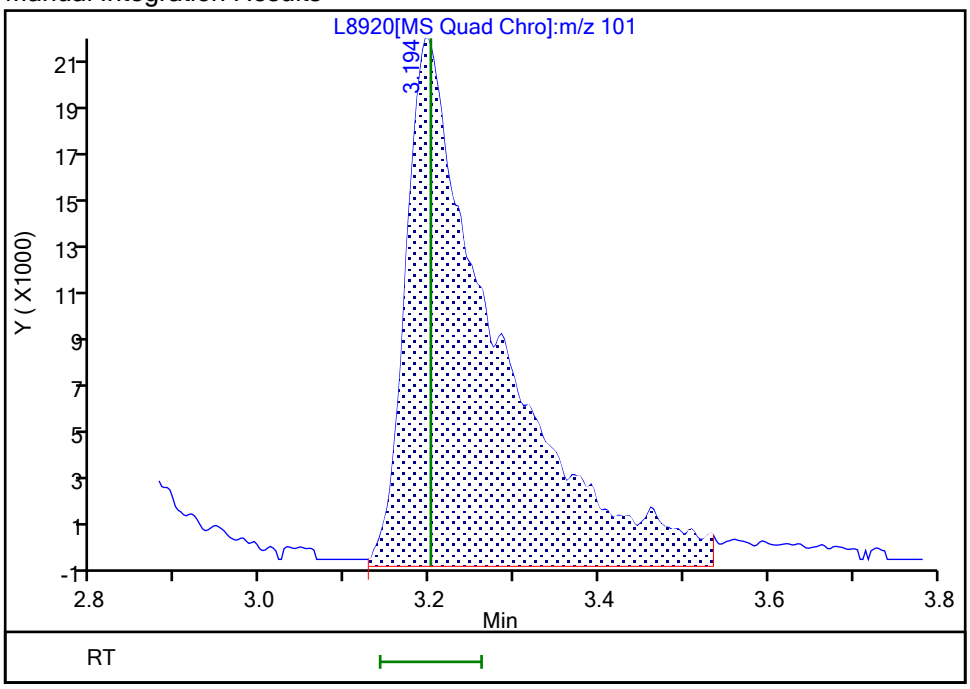
Processing Integration Results

RT: 3.19
Area: 109112
Amount: 15.370439
Amount Units: ug/L



Manual Integration Results

RT: 3.19
Area: 165487
Amount: 23.311898
Amount Units: ug/L



Reviewer: WLL8, 30-Sep-2024 13:47:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCSD 480-726382/29

Matrix: Water | Lab File ID: D7066.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 21:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.6		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.3		1.0	0.31
75-34-3	1,1-Dichloroethane	23.6		1.0	0.38
75-35-4	1,1-Dichloroethene	22.7		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	28.2		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.8		1.0	0.79
107-06-2	1,2-Dichloroethane	24.3		1.0	0.21
78-87-5	1,2-Dichloropropane	25.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.9		1.0	0.84
78-93-3	2-Butanone (MEK)	135		10	1.3
591-78-6	2-Hexanone	139		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	140		5.0	2.1
67-64-1	Acetone	127		10	3.0
71-43-2	Benzene	23.5		1.0	0.41
75-27-4	Bromodichloromethane	24.9		1.0	0.39
75-25-2	Bromoform	25.8		1.0	0.26
74-83-9	Bromomethane	18.6		1.0	0.69
75-15-0	Carbon disulfide	22.4		1.0	0.19
56-23-5	Carbon tetrachloride	23.0		1.0	0.27
108-90-7	Chlorobenzene	23.9		1.0	0.75
124-48-1	Dibromochloromethane	26.6		1.0	0.32
75-00-3	Chloroethane	20.4		1.0	0.32
67-66-3	Chloroform	22.9		1.0	0.34
74-87-3	Chloromethane	18.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.5		1.0	0.36
110-82-7	Cyclohexane	23.0		1.0	0.18
75-71-8	Dichlorodifluoromethane	15.2		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCSD 480-726382/29

Matrix: Water | Lab File ID: D7066.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/27/2024 21:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726382 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	23.7		1.0	0.74
106-93-4	1,2-Dibromoethane	26.5		1.0	0.73
98-82-8	Isopropylbenzene	25.1		1.0	0.79
79-20-9	Methyl acetate	52.9		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.8		1.0	0.16
108-87-2	Methylcyclohexane	22.4		1.0	0.16
75-09-2	Methylene Chloride	24.7		1.0	0.44
100-42-5	Styrene	25.1		1.0	0.73
127-18-4	Tetrachloroethene	22.2		1.0	0.36
108-88-3	Toluene	23.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.1		1.0	0.37
79-01-6	Trichloroethene	22.9		1.0	0.46
75-69-4	Trichlorofluoromethane	20.2		1.0	0.88
75-01-4	Vinyl chloride	19.2		1.0	0.90
1330-20-7	Xylenes, Total	48.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7066.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 27-Sep-2024 21:19:30 ALS Bottle#: 58 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 480-0120250-029
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 08:38:37 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: HF3K Date: 30-Sep-2024 08:38:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	4.748	4.742	0.006	98	166821	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.102	7.096	0.006	88	322207	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.004	9.004	0.000	95	341275	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.267	4.266	0.006	94	258840	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.523	4.517	0.006	99	146291	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	5.955	5.954	0.006	94	764989	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.053	8.059	0.000	94	249292	25.0	23.1	
10 Dichlorodifluoromethane	85	1.121	1.121	0.000	99	204112	25.0	15.2	
12 Chloromethane	50	1.279	1.280	-0.001	99	282194	25.0	18.9	
13 Vinyl chloride	62	1.359	1.353	0.006	98	176481	25.0	19.2	
144 Butadiene	54	1.377	1.371	0.006	99	184483	25.0	20.2	
14 Bromomethane	94	1.639	1.633	0.006	91	129491	25.0	18.6	
15 Chloroethane	64	1.700	1.694	0.006	95	94349	25.0	20.4	
16 Dichlorofluoromethane	67	1.907	1.901	0.006	98	318936	25.0	21.3	
17 Trichlorofluoromethane	101	1.914	1.908	0.006	99	242617	25.0	20.2	
18 Ethyl ether	59	2.151	2.151	0.000	96	144428	25.0	24.4	
20 Acrolein	56	2.316	2.310	0.006	99	120401	125.0	126.6	
22 1,1-Dichloroethene	96	2.359	2.353	0.006	94	156189	25.0	22.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.359	0.000	95	171426	25.0	22.3	
23 Acetone	43	2.462	2.456	0.006	98	450071	125.0	127.5	
25 Iodomethane	142	2.511	2.505	0.006	99	378458	25.0	22.7	
26 Carbon disulfide	76	2.541	2.535	0.006	100	561593	25.0	22.4	
28 3-Chloro-1-propene	41	2.694	2.688	0.006	89	360375	25.0	23.8	
27 Methyl acetate	43	2.737	2.731	0.006	100	473322	50.0	52.9	
30 Methylene Chloride	84	2.822	2.822	0.006	95	210650	25.0	24.7	
31 2-Methyl-2-propanol	59	2.980	2.974	0.006	97	285967	250.0	261.5	
32 Methyl tert-butyl ether	73	3.017	3.011	0.006	98	540187	25.0	24.8	
34 trans-1,2-Dichloroethene	96	3.029	3.023	0.006	94	182250	25.0	23.2	
33 Acrylonitrile	53	3.072	3.066	0.006	96	1049908	250.0	263.5	
35 Hexane	57	3.206	3.200	0.006	96	245301	25.0	20.7	
39 1,1-Dichloroethane	63	3.395	3.389	0.006	96	375869	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.444	3.444	0.000	96	1069137	50.0	51.6	
44 2,2-Dichloropropane	77	3.846	3.840	0.006	93	172556	25.0	20.1	
45 cis-1,2-Dichloroethene	96	3.877	3.883	0.006	84	211022	25.0	23.9	
43 2-Butanone (MEK)	43	3.901	3.895	0.006	97	728997	125.0	135.4	
48 Chlorobromomethane	128	4.072	4.066	0.006	94	128248	25.0	25.0	
49 Tetrahydrofuran	42	4.090	4.084	0.006	93	198054	50.0	51.1	
50 Chloroform	83	4.139	4.133	0.006	95	364686	25.0	22.9	
51 1,1,1-Trichloroethane	97	4.236	4.230	0.006	98	281168	25.0	23.0	
52 Cyclohexane	56	4.242	4.242	0.000	97	330397	25.0	23.0	
55 Carbon tetrachloride	117	4.352	4.346	0.006	95	265248	25.0	23.0	
54 1,1-Dichloropropene	75	4.358	4.358	0.000	95	241597	25.0	22.9	
57 Benzene	78	4.529	4.523	0.006	96	698279	25.0	23.5	
53 Isobutyl alcohol	43	4.535	4.535	0.000	92	353830	625.0	667.6	
58 1,2-Dichloroethane	62	4.584	4.578	0.006	96	313574	25.0	24.3	
59 n-Heptane	43	4.681	4.675	0.006	97	305649	25.0	21.0	
62 Trichloroethene	95	5.029	5.023	0.006	97	195311	25.0	22.9	
64 Methylcyclohexane	83	5.126	5.120	0.006	98	257319	25.0	22.4	
65 1,2-Dichloropropane	63	5.218	5.212	0.006	94	215397	25.0	25.0	
67 Dibromomethane	93	5.327	5.322	0.005	96	159411	25.0	25.9	
66 1,4-Dioxane	88	5.334	5.332	0.006	98	35182	500.0	477.3	
68 Dichlorobromomethane	83	5.449	5.443	0.006	97	269113	25.0	24.9	
69 2-Chloroethyl vinyl ether	63	5.663	5.663	0.000	92	147355	25.0	27.1	
72 cis-1,3-Dichloropropene	75	5.779	5.773	0.006	92	308325	25.0	25.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.882	5.887	0.000	98	1577859	125.0	140.0	
74 Toluene	92	6.004	6.004	0.006	98	410722	25.0	23.1	
77 trans-1,3-Dichloropropene	75	6.218	6.217	0.006	97	272968	25.0	26.1	
75 Ethyl methacrylate	69	6.248	6.247	0.006	96	252819	25.0	27.2	
79 1,1,2-Trichloroethane	83	6.364	6.363	0.006	92	157723	25.0	25.4	
81 Tetrachloroethene	166	6.419	6.424	0.000	95	190390	25.0	22.2	
82 1,3-Dichloropropane	76	6.492	6.491	0.006	96	283226	25.0	25.7	
80 2-Hexanone	43	6.535	6.534	0.006	99	1112489	125.0	139.3	
83 Chlorodibromomethane	129	6.675	6.680	0.000	90	245711	25.0	26.6	
84 Ethylene Dibromide	107	6.760	6.760	0.006	99	216153	25.0	26.5	
87 Chlorobenzene	112	7.126	7.126	0.006	98	499335	25.0	23.9	
88 Ethylbenzene	91	7.187	7.193	0.000	99	757891	25.0	23.7	
89 1,1,1,2-Tetrachloroethane	131	7.193	7.199	0.000	97	204238	25.0	25.1	
90 m-Xylene & p-Xylene	106	7.284	7.284	0.006	99	296219	25.0	23.8	
91 o-Xylene	106	7.608	7.614	0.000	97	301504	25.0	24.8	
92 Styrene	104	7.626	7.632	0.000	93	507805	25.0	25.1	
95 Bromoform	173	7.821	7.827	0.000	96	164058	25.0	25.8	
94 Isopropylbenzene	105	7.894	7.894	0.000	96	689639	25.0	25.1	
101 Bromobenzene	156	8.181	8.174	0.006	92	234969	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	8.205	8.199	0.006	95	283193	25.0	26.6	
99 N-Propylbenzene	91	8.235	8.229	0.006	99	890950	25.0	24.7	
100 1,2,3-Trichloropropane	110	8.235	8.235	-0.001	86	72453	25.0	26.9	
98 trans-1,4-Dichloro-2-butene	53	8.242	8.241	0.000	84	66129	25.0	20.8	
103 2-Chlorotoluene	126	8.327	8.321	0.006	97	199732	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	8.376	8.376	0.000	94	651680	25.0	25.3	
105 4-Chlorotoluene	126	8.412	8.412	0.000	97	202025	25.0	24.5	
106 tert-Butylbenzene	134	8.644	8.644	0.000	94	125365	25.0	25.5	
107 1,2,4-Trimethylbenzene	105	8.687	8.693	0.000	98	693663	25.0	26.0	
109 sec-Butylbenzene	105	8.821	8.821	0.000	95	828132	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.943	8.943	0.000	98	721858	25.0	25.1	
111 1,3-Dichlorobenzene	146	8.949	8.949	0.000	99	430565	25.0	24.5	
113 1,4-Dichlorobenzene	146	9.028	9.022	0.006	97	439312	25.0	23.9	
115 n-Butylbenzene	91	9.290	9.284	0.006	98	671435	25.0	25.6	
116 1,2-Dichlorobenzene	146	9.345	9.339	0.006	99	449862	25.0	25.8	
117 1,2-Dibromo-3-Chloropropane	75	10.022	10.015	0.006	86	53299	25.0	28.2	
119 1,2,4-Trichlorobenzene	180	10.686	10.686	0.000	94	332095	25.0	26.7	
120 Hexachlorobutadiene	225	10.796	10.790	0.006	97	153394	25.0	23.9	
121 Naphthalene	128	10.900	10.893	0.006	97	827042	25.0	28.0	
122 1,2,3-Trichlorobenzene	180	11.095	11.094	0.000	96	320168	25.0	26.1	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00642	Amount Added: 12.50	Units: uL	
8260 CORP mix_00259	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00092	Amount Added: 1.00	Units: uL	Run Reagent

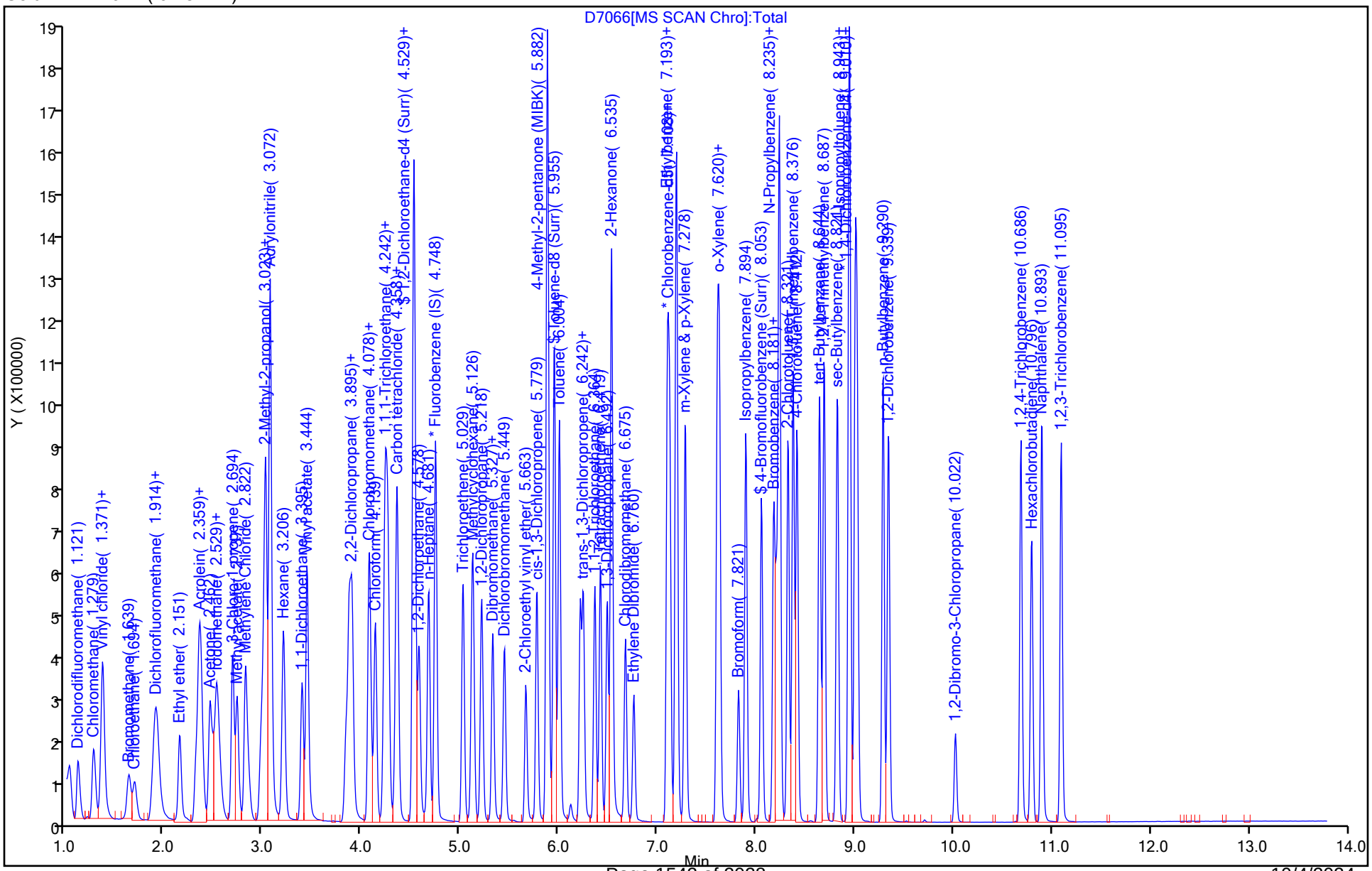
Report Date: 30-Sep-2024 08:38:48 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7066.d

Injection Date:	27-Sep-2024 21:19:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	LCSD			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D7066.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 27-Sep-2024 21:19:30 ALS Bottle#: 58 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 480-0120250-029
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20240927-120250.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 08:38:37 Calib Date: 20-Sep-2024 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20240919-120124.b\D6860.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: HF3K Date: 30-Sep-2024 08:38:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	24.1	96.53
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.1	96.20
$ 5 Toluene-d8 (Surr)	25.0	24.6	98.41
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.1	92.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024-MS MS | Lab Sample ID: 480-223647-3 MS

Matrix: Water | Lab File ID: S2410.d

Analysis Method: 8260C | Date Collected: 09/23/2024 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 18:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	30.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.3		1.0	0.21
79-00-5	1,1,2-Trichloroethane	23.3		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	31.1		1.0	0.31
75-34-3	1,1-Dichloroethane	28.1		1.0	0.38
75-35-4	1,1-Dichloroethene	29.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.9		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.6		1.0	0.79
107-06-2	1,2-Dichloroethane	24.9		1.0	0.21
78-87-5	1,2-Dichloropropane	26.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.9		1.0	0.84
78-93-3	2-Butanone (MEK)	119		10	1.3
591-78-6	2-Hexanone	115		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	118		5.0	2.1
67-64-1	Acetone	120		10	3.0
71-43-2	Benzene	27.0		1.0	0.41
75-27-4	Bromodichloromethane	24.9		1.0	0.39
75-25-2	Bromoform	20.4		1.0	0.26
74-83-9	Bromomethane	22.1		1.0	0.69
75-15-0	Carbon disulfide	27.4		1.0	0.19
56-23-5	Carbon tetrachloride	28.4		1.0	0.27
108-90-7	Chlorobenzene	25.8		1.0	0.75
124-48-1	Dibromochloromethane	22.9		1.0	0.32
75-00-3	Chloroethane	26.7		1.0	0.32
67-66-3	Chloroform	25.7		1.0	0.34
74-87-3	Chloromethane	25.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.2		1.0	0.36
110-82-7	Cyclohexane	34.1		1.0	0.18
75-71-8	Dichlorodifluoromethane	22.3		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024-MS MS | Lab Sample ID: 480-223647-3 MS

Matrix: Water | Lab File ID: S2410.d

Analysis Method: 8260C | Date Collected: 09/23/2024 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 18:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	27.4		1.0	0.74
106-93-4	1,2-Dibromoethane	23.0		1.0	0.73
98-82-8	Isopropylbenzene	29.5		1.0	0.79
79-20-9	Methyl acetate	44.2		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.5		1.0	0.16
108-87-2	Methylcyclohexane	33.8		1.0	0.16
75-09-2	Methylene Chloride	28.1		1.0	0.44
100-42-5	Styrene	26.1		1.0	0.73
127-18-4	Tetrachloroethene	28.2		1.0	0.36
108-88-3	Toluene	26.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	29.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.7		1.0	0.37
79-01-6	Trichloroethene	28.0		1.0	0.46
75-69-4	Trichlorofluoromethane	29.0		1.0	0.88
75-01-4	Vinyl chloride	27.9		1.0	0.90
1330-20-7	Xylenes, Total	52.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2410.d
Lims ID: 480-223647-H-3 MS
Client ID: SW-B-09232024
Sample Type: MS
Inject. Date: 24-Sep-2024 18:56:30 ALS Bottle#: 22 Worklist Smp#: 42
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-H-3 MS
Misc. Info.: 480-0120183-042
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:34:37 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: QR3Z Date: 25-Sep-2024 09:35:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	98	159423	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	87	324693	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	67	346952	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	58	201652	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	52	128244	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	57	744669	25.0	25.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.962	8.961	0.001	93	250964	25.0	23.9	
10 Dichlorodifluoromethane	85	0.986	0.992	-0.006	88	180703	25.0	22.3	
12 Chloromethane	50	1.120	1.211	-0.006	89	262793	25.0	25.3	
13 Vinyl chloride	62	1.193	1.199	-0.006	82	213264	25.0	27.9	
14 Bromomethane	94	1.430	1.442	-0.012	92	116325	25.0	22.1	
15 Chloroethane	64	1.509	1.515	-0.006	99	143196	25.0	26.7	
17 Trichlorofluoromethane	101	1.686	1.691	-0.005	56	311060	25.0	29.0	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	84	186969	25.0	29.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.117	-0.006	66	189374	25.0	31.1	
23 Acetone	43	2.227	2.221	0.000	98	551440	125.0	120.0	
26 Carbon disulfide	76	2.276	2.282	-0.006	98	592411	25.0	27.4	
27 Methyl acetate	43	2.501	2.501	0.000	96	488986	50.0	44.2	
30 Methylene Chloride	84	2.586	2.580	0.000	93	218069	25.0	28.1	
32 Methyl tert-butyl ether	73	2.781	2.786	-0.005	92	704748	25.0	24.5	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	95	225448	25.0	29.3	
39 1,1-Dichloroethane	63	3.194	3.200	-0.006	85	400826	25.0	28.1	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	70	234247	25.0	26.8	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	99	803395	125.0	118.9	
50 Chloroform	83	4.046	4.046	0.000	82	380143	25.0	25.7	
52 Cyclohexane	56	4.137	4.137	0.000	95	449862	25.0	34.1	
51 1,1,1-Trichloroethane	97	4.137	4.143	-0.006	80	320667	25.0	30.0	
55 Carbon tetrachloride	117	4.271	4.271	0.000	80	265714	25.0	28.4	
57 Benzene	78	4.484	4.490	-0.006	97	845976	25.0	27.0	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	82	313205	25.0	24.9	
62 Trichloroethene	95	5.092	5.092	0.000	93	229637	25.0	28.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.196	5.196	0.000	94	394802	25.0	33.8	
65 1,2-Dichloropropane	63	5.330	5.329	0.001	89	207311	25.0	26.8	
68 Dichlorobromomethane	83	5.622	5.621	0.001	92	243707	25.0	24.9	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	86	301760	25.0	25.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	1627476	125.0	118.5	
74 Toluene	92	6.309	6.309	0.000	94	539593	25.0	26.0	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	94	266651	25.0	23.7	
79 1,1,2-Trichloroethane	83	6.790	6.789	0.001	93	153539	25.0	23.3	
81 Tetrachloroethene	166	6.826	6.832	0.000	85	245493	25.0	28.2	
80 2-Hexanone	43	7.027	7.027	0.000	98	1082816	125.0	114.9	
83 Chlorodibromomethane	129	7.173	7.173	0.000	88	173013	25.0	22.9	
84 Ethylene Dibromide	107	7.258	7.264	-0.006	97	194417	25.0	23.0	
87 Chlorobenzene	112	7.733	7.739	-0.006	92	597496	25.0	25.8	
88 Ethylbenzene	91	7.836	7.848	0.000	99	1038885	25.0	27.4	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	99	398579		26.9	
91 o-Xylene	106	8.378	8.377	0.001	97	392855		25.7	
92 Styrene	104	8.408	8.408	0.000	93	628543	25.0	26.1	
95 Bromoform	173	8.645	8.645	0.000	92	103287	25.0	20.4	
94 Isopropylbenzene	105	8.761	8.761	0.000	95	975488	25.0	29.5	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.192	0.001	70	283587	25.0	24.3	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	508590	25.0	26.6	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	95	521238	25.0	25.9	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	97	504289	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.297	-0.005	76	55567	25.0	21.9	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	91	369367	25.0	27.8	
S 124 Xylenes, Total	1				0			52.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00258	Amount Added:	12.50	Units: uL	
GAS CORP mix_00641	Amount Added:	12.50	Units: uL	
S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

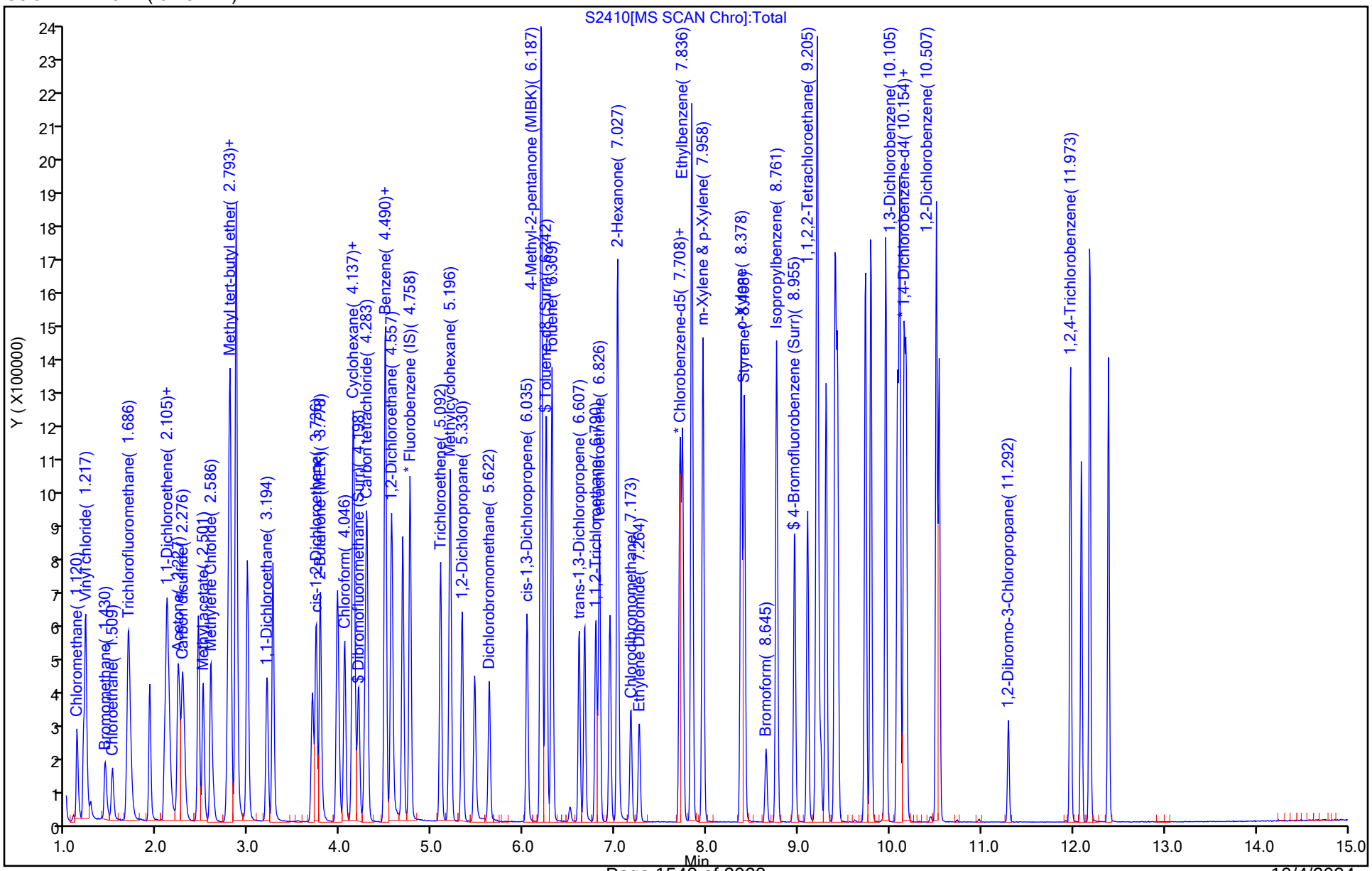
Report Date: 25-Sep-2024 09:35:59 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2410.d

Injection Date:	24-Sep-2024 18:56:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223647-H-3 MS			Worklist Smp#:	42
Client ID:	SW-B-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2410.d
Lims ID: 480-223647-H-3 MS
Client ID: SW-B-09232024
Sample Type: MS
Inject. Date: 24-Sep-2024 18:56:30 ALS Bottle#: 22 Worklist Smp#: 42
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-H-3 MS
Misc. Info.: 480-0120183-042
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:34:37 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: QR3Z Date: 25-Sep-2024 09:35:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.8	99.17
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.3	101.20
$ 5 Toluene-d8 (Surr)	25.0	25.7	102.75
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.9	95.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024-MS MS | Lab Sample ID: 480-223784-2 MS

Matrix: Water | Lab File ID: L8944.D

Analysis Method: 8260C | Date Collected: 09/26/2024 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 14:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.0		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.3		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.8		1.0	0.31
75-34-3	1,1-Dichloroethane	26.0		1.0	0.38
75-35-4	1,1-Dichloroethene	26.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.2		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.4		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.0		1.0	0.79
107-06-2	1,2-Dichloroethane	24.9		1.0	0.21
78-87-5	1,2-Dichloropropane	26.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.6		1.0	0.84
78-93-3	2-Butanone (MEK)	123		10	1.3
591-78-6	2-Hexanone	133		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	127		5.0	2.1
67-64-1	Acetone	125		10	3.0
71-43-2	Benzene	26.3		1.0	0.41
75-27-4	Bromodichloromethane	25.5		1.0	0.39
75-25-2	Bromoform	28.2		1.0	0.26
74-83-9	Bromomethane	24.4		1.0	0.69
75-15-0	Carbon disulfide	26.4		1.0	0.19
56-23-5	Carbon tetrachloride	27.0		1.0	0.27
108-90-7	Chlorobenzene	25.7		1.0	0.75
124-48-1	Dibromochloromethane	26.7		1.0	0.32
75-00-3	Chloroethane	26.1		1.0	0.32
67-66-3	Chloroform	25.3		1.0	0.34
74-87-3	Chloromethane	25.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.3		1.0	0.36
110-82-7	Cyclohexane	25.8		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.5		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024-MS MS | Lab Sample ID: 480-223784-2 MS

Matrix: Water | Lab File ID: L8944.D

Analysis Method: 8260C | Date Collected: 09/26/2024 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 14:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	26.0		1.0	0.74
106-93-4	1,2-Dibromoethane	26.5		1.0	0.73
98-82-8	Isopropylbenzene	25.1		1.0	0.79
79-20-9	Methyl acetate	46.4		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.5		1.0	0.16
108-87-2	Methylcyclohexane	26.2		1.0	0.16
75-09-2	Methylene Chloride	25.7		1.0	0.44
100-42-5	Styrene	25.9		1.0	0.73
127-18-4	Tetrachloroethene	27.9		1.0	0.36
108-88-3	Toluene	25.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.5		1.0	0.37
79-01-6	Trichloroethene	28.0		1.0	0.46
75-69-4	Trichlorofluoromethane	29.7		1.0	0.88
75-01-4	Vinyl chloride	27.6		1.0	0.90
1330-20-7	Xylenes, Total	53.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8944.D
Lims ID: 480-223784-A-2 MS
Client ID: GW-10S-09262024
Sample Type: MS
Inject. Date: 28-Sep-2024 14:04:55 ALS Bottle#: 0 Worklist Smp#: 52
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-2 MS
Misc. Info.: 480-0120267-052
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:56:17 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:57:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.667	5.667	0.000	99	127527	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.535	8.532	0.003	87	485392	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	274377	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	170036	25.0	25.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	98	216275	25.0	25.4	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	646274	25.0	26.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	96	188895	25.0	26.6	
10 Dichlorodifluoromethane	85	1.741	1.738	0.003	99	217048	25.0	25.5	
13 Chloromethane	50	1.953	1.957	-0.004	99	235579	25.0	25.4	
14 Vinyl chloride	62	2.066	2.059	0.007	98	210059	25.0	27.6	
18 Bromomethane	94	2.420	2.410	0.010	93	136963	25.0	24.4	
19 Chloroethane	64	2.510	2.513	-0.003	99	134648	25.0	26.1	
21 Trichlorofluoromethane	101	2.728	2.725	0.003	98	302399	25.0	29.7	
30 1,1-Dichloroethene	96	3.195	3.198	-0.003	97	184840	25.0	26.8	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.201	3.194	0.000	79	147602	25.0	23.8	
31 Acetone	43	3.285	3.288	-0.003	100	439886	125.0	124.8	
35 Carbon disulfide	76	3.410	3.416	-0.006	100	563749	25.0	26.4	
38 Methyl acetate	43	3.555	3.551	0.004	98	398278	50.0	46.4	
39 Methylene Chloride	84	3.629	3.632	-0.003	94	192987	25.0	25.7	
42 trans-1,2-Dichloroethene	96	3.847	3.847	0.000	98	196054	25.0	26.6	
41 Methyl tert-butyl ether	73	3.863	3.863	0.000	96	597159	25.0	25.5	
50 1,1-Dichloroethane	63	4.207	4.204	0.003	96	334448	25.0	26.0	
58 cis-1,2-Dichloroethene	96	4.699	4.702	-0.003	80	207696	25.0	26.8	
57 2-Butanone (MEK)	43	4.728	4.728	0.000	100	718081	125.0	122.6	
62 Chloroform	83	4.960	4.960	0.000	93	336624	25.0	25.3	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	98	265578	25.0	25.8	
65 Cyclohexane	56	5.150	5.153	-0.003	91	323524	25.0	25.8	
66 Carbon tetrachloride	117	5.259	5.252	0.004	94	248568	25.0	27.0	
70 Benzene	78	5.436	5.432	0.004	95	732693	25.0	26.3	
72 1,2-Dichloroethane	62	5.461	5.458	0.003	97	277220	25.0	24.9	
75 Trichloroethene	95	5.989	5.985	0.004	97	211304	25.0	28.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83	6.137	6.137	0.001	91	340387	25.0	26.2	
77 1,2-Dichloropropane	63	6.198	6.194	0.004	95	190564	25.0	26.4	
83 Dichlorobromomethane	83	6.445	6.445	0.000	98	239021	25.0	25.5	
85 cis-1,3-Dichloropropene	75	6.844	6.844	0.000	93	292865	25.0	24.3	
87 4-Methyl-2-pentanone (MIBK)	43	6.982	6.979	0.003	97	1494961	125.0	127.4	
88 Toluene	92	7.153	7.153	0.000	97	469127	25.0	25.6	
91 trans-1,3-Dichloropropene	75	7.368	7.365	0.003	93	282149	25.0	25.5	
93 1,1,2-Trichloroethane	83	7.555	7.554	0.001	93	151778	25.0	26.3	
94 Tetrachloroethene	166	7.686	7.690	-0.004	95	202218	25.0	27.9	
96 2-Hexanone	43	7.783	7.783	0.000	97	1168502	125.0	133.1	
98 Chlorodibromomethane	129	7.963	7.963	0.000	91	194261	25.0	26.7	
101 Ethylene Dibromide	107	8.088	8.085	0.003	97	200551	25.0	26.5	
103 Chlorobenzene	112	8.564	8.561	0.003	97	520357	25.0	25.7	
104 Ethylbenzene	91	8.645	8.641	0.004	99	895244	25.0	26.0	
106 m-Xylene & p-Xylene	106	8.760	8.760	0.000	99	353728		26.5	
107 o-Xylene	106	9.188	9.188	0.000	97	347126		26.7	
109 Styrene	104	9.207	9.204	0.003	94	560142	25.0	25.9	
110 Bromoform	173	9.448	9.448	0.000	94	136343	25.0	28.2	
111 Isopropylbenzene	105	9.564	9.561	0.003	96	844387	25.0	25.1	
112 1,1,2,2-Tetrachloroethane	83	9.921	9.921	0.000	95	306042	25.0	26.0	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	97	438412	25.0	25.9	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	94	446943	25.0	25.6	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	96	431131	25.0	26.0	
129 1,2-Dibromo-3-Chloropropane	75	11.992	11.988	0.004	84	74390	25.0	24.4	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	93	309787	25.0	27.2	
S 143 Xylenes, Total	1				0			53.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added:	12.50	Units: uL	
GAS CORP mix_00642	Amount Added:	12.50	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 30-Sep-2024 13:57:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8944.D

Injection Date: 28-Sep-2024 14:04:55 Instrument ID: HP5977L

Lims ID: 480-223784-A-2 MS

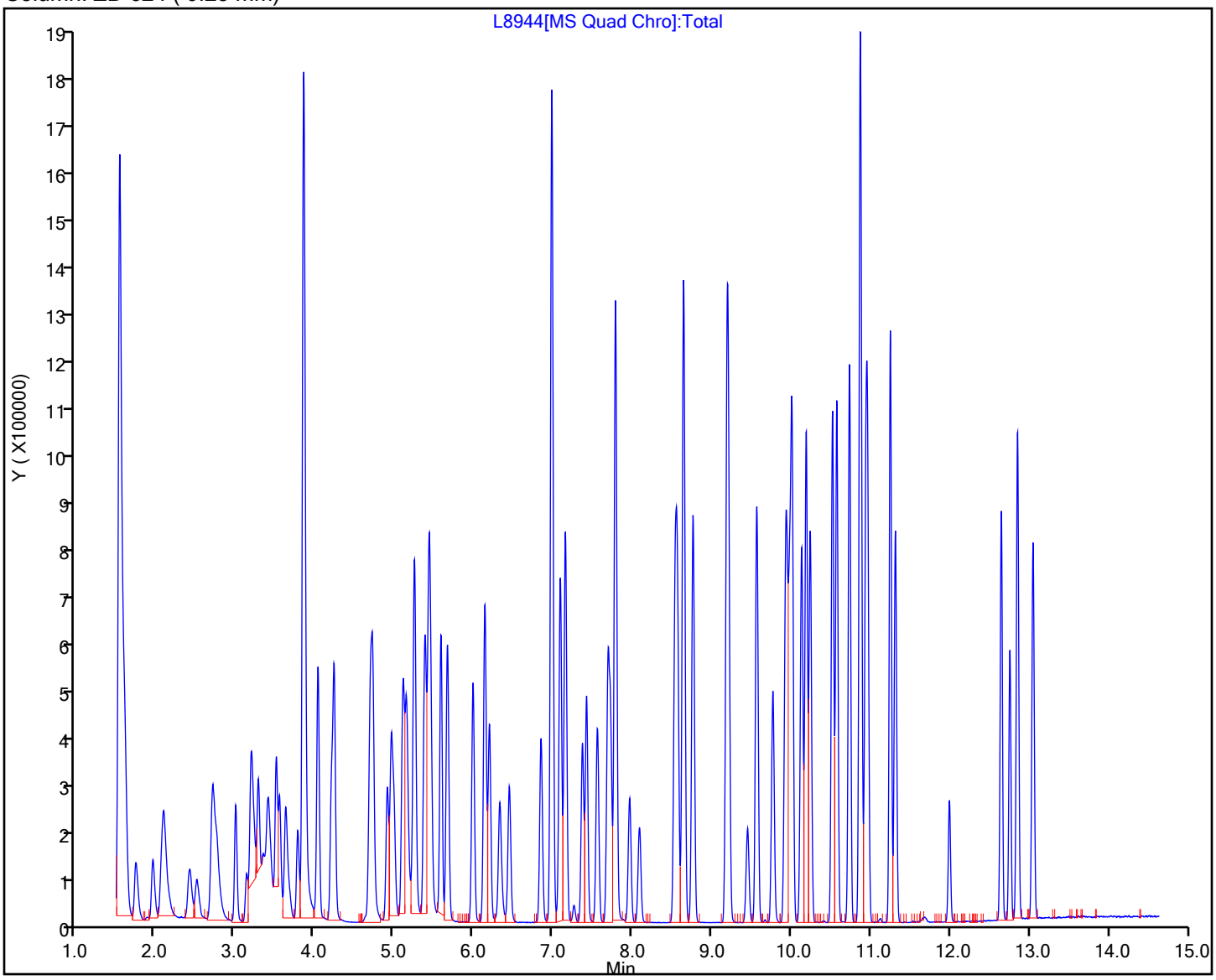
Client ID: GW-10S-09262024

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 52

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8944.D
Lims ID: 480-223784-A-2 MS
Client ID: GW-10S-09262024
Sample Type: MS
Inject. Date: 28-Sep-2024 14:04:55 ALS Bottle#: 0 Worklist Smp#: 52
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-2 MS
Misc. Info.: 480-0120267-052
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:56:17 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:57:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.6	102.48
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.57
$ 6 Toluene-d8 (Surr)	25.0	26.0	104.04
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.6	106.49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024-MSD MSD | Lab Sample ID: 480-223647-3 MSD

Matrix: Water | Lab File ID: S2411.d

Analysis Method: 8260C | Date Collected: 09/23/2024 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 19:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	29.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.5		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.2		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29.9		1.0	0.31
75-34-3	1,1-Dichloroethane	27.8		1.0	0.38
75-35-4	1,1-Dichloroethene	29.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	29.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.1		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.6		1.0	0.79
107-06-2	1,2-Dichloroethane	25.5		1.0	0.21
78-87-5	1,2-Dichloropropane	28.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	28.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	27.3		1.0	0.84
78-93-3	2-Butanone (MEK)	124		10	1.3
591-78-6	2-Hexanone	126		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	127		5.0	2.1
67-64-1	Acetone	114		10	3.0
71-43-2	Benzene	27.7		1.0	0.41
75-27-4	Bromodichloromethane	25.4		1.0	0.39
75-25-2	Bromoform	22.7		1.0	0.26
74-83-9	Bromomethane	22.8		1.0	0.69
75-15-0	Carbon disulfide	27.7		1.0	0.19
56-23-5	Carbon tetrachloride	28.0		1.0	0.27
108-90-7	Chlorobenzene	27.2		1.0	0.75
124-48-1	Dibromochloromethane	24.7		1.0	0.32
75-00-3	Chloroethane	25.3		1.0	0.32
67-66-3	Chloroform	25.6		1.0	0.34
74-87-3	Chloromethane	24.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.1		1.0	0.36
110-82-7	Cyclohexane	34.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	21.6		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024-MSD MSD | Lab Sample ID: 480-223647-3 MSD

Matrix: Water | Lab File ID: S2411.d

Analysis Method: 8260C | Date Collected: 09/23/2024 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2024 19:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 725969 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	29.1		1.0	0.74
106-93-4	1,2-Dibromoethane	24.6		1.0	0.73
98-82-8	Isopropylbenzene	31.0		1.0	0.79
79-20-9	Methyl acetate	45.9		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.6		1.0	0.16
108-87-2	Methylcyclohexane	34.1		1.0	0.16
75-09-2	Methylene Chloride	28.5		1.0	0.44
100-42-5	Styrene	27.3		1.0	0.73
127-18-4	Tetrachloroethene	29.9		1.0	0.36
108-88-3	Toluene	28.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.3		1.0	0.37
79-01-6	Trichloroethene	28.3		1.0	0.46
75-69-4	Trichlorofluoromethane	28.0		1.0	0.88
75-01-4	Vinyl chloride	26.3		1.0	0.90
1330-20-7	Xylenes, Total	55.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	110		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2411.d
Lims ID: 480-223647-H-3 MSD
Client ID: SW-B-09232024
Sample Type: MSD
Inject. Date: 24-Sep-2024 19:19:30 ALS Bottle#: 23 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-H-3 MSD
Misc. Info.: 480-0120183-043
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:34:37 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: QR3Z Date: 25-Sep-2024 09:36:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.758	4.758	0.000	97	165174	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.708	7.708	0.000	86	324002	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	62	340421	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.198	4.198	0.000	56	204448	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.490	0.000	58	138272	25.0	26.3	
$ 5 Toluene-d8 (Surr)	98	6.248	6.248	0.000	57	792675	25.0	27.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.961	8.961	0.000	94	258360	25.0	24.7	
10 Dichlorodifluoromethane	85	0.992	0.992	0.000	86	181101	25.0	21.6	
12 Chloromethane	50	1.120	1.211	-0.006	88	258153	25.0	24.0	
13 Vinyl chloride	62	1.193	1.199	-0.006	83	208064	25.0	26.3	
14 Bromomethane	94	1.430	1.442	-0.012	92	124319	25.0	22.8	
15 Chloroethane	64	1.509	1.515	-0.006	94	140812	25.0	25.3	
17 Trichlorofluoromethane	101	1.686	1.691	-0.005	56	311104	25.0	28.0	
22 1,1-Dichloroethene	96	2.105	2.105	0.000	86	190565	25.0	29.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.117	-0.006	62	188256	25.0	29.9	
23 Acetone	43	2.221	2.221	-0.006	97	544165	125.0	114.3	
26 Carbon disulfide	76	2.276	2.282	-0.006	98	620742	25.0	27.7	
27 Methyl acetate	43	2.501	2.501	0.000	96	526222	50.0	45.9	
30 Methylene Chloride	84	2.586	2.580	0.000	93	229087	25.0	28.5	
32 Methyl tert-butyl ether	73	2.787	2.786	0.001	93	733622	25.0	24.6	
34 trans-1,2-Dichloroethene	96	2.799	2.799	0.000	92	229993	25.0	28.8	
39 1,1-Dichloroethane	63	3.194	3.200	-0.006	97	410820	25.0	27.8	
45 cis-1,2-Dichloroethene	96	3.736	3.736	0.000	62	246004	25.0	27.2	
43 2-Butanone (MEK)	43	3.778	3.778	0.000	99	867504	125.0	123.9	
50 Chloroform	83	4.046	4.046	0.000	82	393799	25.0	25.6	
52 Cyclohexane	56	4.137	4.137	0.000	94	469486	25.0	34.3	
51 1,1,1-Trichloroethane	97	4.137	4.143	-0.006	83	330791	25.0	29.9	
55 Carbon tetrachloride	117	4.271	4.271	0.000	80	270933	25.0	28.0	
57 Benzene	78	4.484	4.490	-0.006	97	899088	25.0	27.7	
58 1,2-Dichloroethane	62	4.563	4.563	0.000	76	332171	25.0	25.5	
62 Trichloroethene	95	5.092	5.092	0.000	92	240428	25.0	28.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.196	5.196	0.000	93	411866	25.0	34.1	
65 1,2-Dichloropropane	63	5.330	5.329	0.001	88	224779	25.0	28.0	
68 Dichlorobromomethane	83	5.622	5.621	0.001	92	257304	25.0	25.4	
72 cis-1,3-Dichloropropene	75	6.035	6.035	0.000	87	323103	25.0	26.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	1737078	125.0	126.7	
74 Toluene	92	6.309	6.309	0.000	93	580550	25.0	28.0	
77 trans-1,3-Dichloropropene	75	6.607	6.607	0.000	98	284565	25.0	25.3	
79 1,1,2-Trichloroethane	83	6.790	6.789	0.001	87	165670	25.0	25.2	
81 Tetrachloroethene	166	6.826	6.832	0.000	85	259447	25.0	29.9	
80 2-Hexanone	43	7.027	7.027	0.000	98	1188176	125.0	126.3	
83 Chlorodibromomethane	129	7.173	7.173	0.000	86	186699	25.0	24.7	
84 Ethylene Dibromide	107	7.258	7.264	-0.006	97	207562	25.0	24.6	
87 Chlorobenzene	112	7.733	7.739	-0.006	93	629438	25.0	27.2	
88 Ethylbenzene	91	7.836	7.848	0.000	99	1099120	25.0	29.1	
90 m-Xylene & p-Xylene	106	7.958	7.958	0.000	99	421034		28.5	
91 o-Xylene	106	8.377	8.377	0.000	97	414211		27.2	
92 Styrene	104	8.408	8.408	0.000	93	656526	25.0	27.3	
95 Bromoform	173	8.645	8.645	0.000	97	114317	25.0	22.7	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	1005309	25.0	31.0	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.192	0.001	62	291993	25.0	25.5	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	98	528296	25.0	28.2	
113 1,4-Dichlorobenzene	146	10.178	10.178	0.000	95	538077	25.0	27.3	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.000	96	514252	25.0	26.6	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.297	-0.005	78	59913	25.0	24.1	
119 1,2,4-Trichlorobenzene	180	11.973	11.973	0.000	94	377755	25.0	29.0	
S 124 Xylenes, Total	1				0			55.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00258	Amount Added:	12.50	Units: uL	
GAS CORP mix_00641	Amount Added:	12.50	Units: uL	
S_8260_IS_00401	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00491	Amount Added:	1.00	Units: uL	Run Reagent

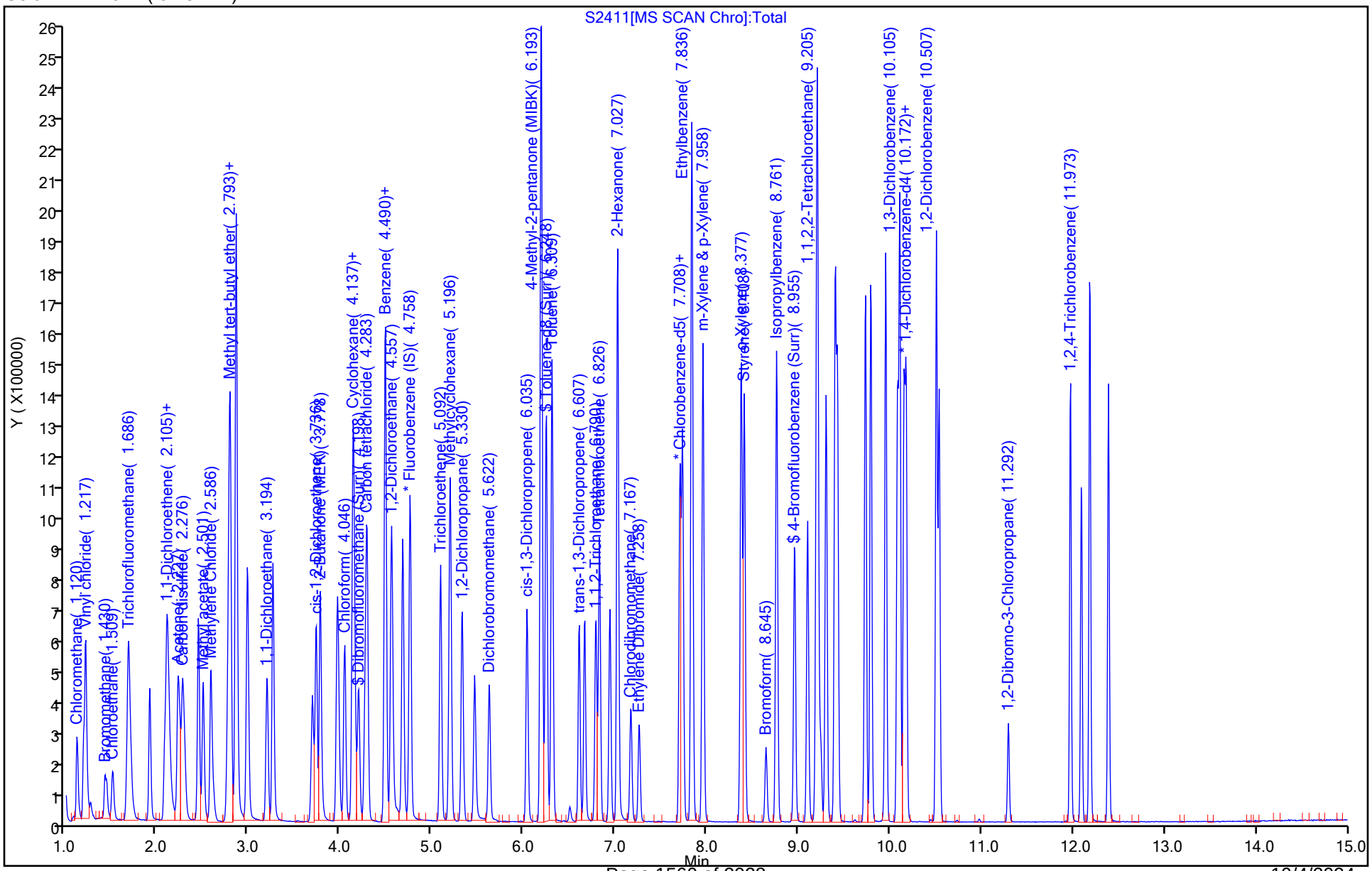
Report Date: 25-Sep-2024 09:36:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2411.d

Injection Date:	24-Sep-2024 19:19:30	Instrument ID:	HP5973S	Operator ID:	ZN
Lims ID:	480-223647-H-3 MSD			Worklist Smp#:	43
Client ID:	SW-B-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



10/4/2024
12:15:34 PM

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S2411.d
Lims ID: 480-223647-H-3 MSD
Client ID: SW-B-09232024
Sample Type: MSD
Inject. Date: 24-Sep-2024 19:19:30 ALS Bottle#: 23 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223647-H-3 MSD
Misc. Info.: 480-0120183-043
Operator ID: ZN Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240924-120183.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2024 09:34:37 Calib Date: 10-Sep-2024 04:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240909-119920.b\S1917.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: QR3Z Date: 25-Sep-2024 09:36:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.3	97.04
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	26.3	105.31
$ 5 Toluene-d8 (Surr)	25.0	27.4	109.60
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.7	98.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024-MSD MSD | Lab Sample ID: 480-223784-2 MSD

Matrix: Water | Lab File ID: L8945.D

Analysis Method: 8260C | Date Collected: 09/26/2024 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 14:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.3		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.2		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.7		1.0	0.31
75-34-3	1,1-Dichloroethane	26.3		1.0	0.38
75-35-4	1,1-Dichloroethene	27.1		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.2		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.7		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.4		1.0	0.79
107-06-2	1,2-Dichloroethane	25.1		1.0	0.21
78-87-5	1,2-Dichloropropane	26.6		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.9		1.0	0.84
78-93-3	2-Butanone (MEK)	119		10	1.3
591-78-6	2-Hexanone	122		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	122		5.0	2.1
67-64-1	Acetone	121		10	3.0
71-43-2	Benzene	26.6		1.0	0.41
75-27-4	Bromodichloromethane	26.4		1.0	0.39
75-25-2	Bromoform	27.5		1.0	0.26
74-83-9	Bromomethane	24.7		1.0	0.69
75-15-0	Carbon disulfide	26.2		1.0	0.19
56-23-5	Carbon tetrachloride	27.5		1.0	0.27
108-90-7	Chlorobenzene	25.8		1.0	0.75
124-48-1	Dibromochloromethane	26.6		1.0	0.32
75-00-3	Chloroethane	26.4		1.0	0.32
67-66-3	Chloroform	25.7		1.0	0.34
74-87-3	Chloromethane	26.1		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.1		1.0	0.36
110-82-7	Cyclohexane	25.8		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.6		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024-MSD MSD | Lab Sample ID: 480-223784-2 MSD

Matrix: Water | Lab File ID: L8945.D

Analysis Method: 8260C | Date Collected: 09/26/2024 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2024 14:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726463 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	26.3		1.0	0.74
106-93-4	1,2-Dibromoethane	26.3		1.0	0.73
98-82-8	Isopropylbenzene	25.0		1.0	0.79
79-20-9	Methyl acetate	44.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.4		1.0	0.16
108-87-2	Methylcyclohexane	26.7		1.0	0.16
75-09-2	Methylene Chloride	26.1		1.0	0.44
100-42-5	Styrene	25.6		1.0	0.73
127-18-4	Tetrachloroethene	27.7		1.0	0.36
108-88-3	Toluene	25.9		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.9		1.0	0.37
79-01-6	Trichloroethene	28.6		1.0	0.46
75-69-4	Trichlorofluoromethane	30.4		1.0	0.88
75-01-4	Vinyl chloride	28.4		1.0	0.90
1330-20-7	Xylenes, Total	53.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8945.D
Lims ID: 480-223784-A-2 MSD
Client ID: GW-10S-09262024
Sample Type: MSD
Inject. Date: 28-Sep-2024 14:28:38 ALS Bottle#: 0 Worklist Smp#: 53
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-2 MSD
Misc. Info.: 480-0120267-053
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:56:17 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:58:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	5.664	5.667	-0.003	98	126144	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.532	8.532	0.000	87	483484	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	96	275579	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.098	5.098	0.000	93	168903	25.0	25.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.394	5.394	0.000	97	208834	25.0	24.8	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	93	651622	25.0	26.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.767	9.764	0.003	97	193152	25.0	27.3	
10 Dichlorodifluoromethane	85	1.738	1.738	0.000	98	215039	25.0	25.6	
13 Chloromethane	50	1.950	1.957	-0.007	99	239523	25.0	26.1	
14 Vinyl chloride	62	2.063	2.059	0.004	98	213828	25.0	28.4	
18 Bromomethane	94	2.413	2.410	0.003	93	137174	25.0	24.7	
19 Chloroethane	64	2.510	2.513	-0.003	99	134759	25.0	26.4	
21 Trichlorofluoromethane	101	2.728	2.725	0.003	97	306149	25.0	30.4	
30 1,1-Dichloroethene	96	3.194	3.198	-0.004	97	185138	25.0	27.1	
29 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.201	3.194	0.000	87	157491	25.0	25.7	
31 Acetone	43	3.288	3.288	0.000	99	423005	125.0	121.3	
35 Carbon disulfide	76	3.407	3.416	-0.009	100	553373	25.0	26.2	
38 Methyl acetate	43	3.551	3.551	0.000	98	378056	50.0	44.5	
39 Methylene Chloride	84	3.629	3.632	-0.003	93	193544	25.0	26.1	
42 trans-1,2-Dichloroethene	96	3.847	3.847	0.000	98	194699	25.0	26.7	
41 Methyl tert-butyl ether	73	3.863	3.863	0.000	97	588197	25.0	25.4	
50 1,1-Dichloroethane	63	4.204	4.204	0.000	96	334351	25.0	26.3	
58 cis-1,2-Dichloroethene	96	4.699	4.702	-0.003	81	204832	25.0	26.7	
57 2-Butanone (MEK)	43	4.728	4.728	0.000	100	689971	125.0	119.1	
62 Chloroform	83	4.960	4.960	0.000	93	338636	25.0	25.7	
64 1,1,1-Trichloroethane	97	5.114	5.114	0.000	98	274496	25.0	27.0	
65 Cyclohexane	56	5.149	5.153	-0.004	92	319790	25.0	25.8	
66 Carbon tetrachloride	117	5.256	5.252	0.001	96	250132	25.0	27.5	
70 Benzene	78	5.436	5.432	0.004	95	731440	25.0	26.6	
72 1,2-Dichloroethane	62	5.458	5.458	0.000	97	276508	25.0	25.1	
75 Trichloroethene	95	5.985	5.985	0.000	97	213484	25.0	28.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83	6.140	6.137	0.004	90	343962	25.0	26.7	
77 1,2-Dichloropropane	63	6.194	6.194	0.000	95	190082	25.0	26.6	
83 Dichlorobromomethane	83	6.448	6.445	0.003	98	244824	25.0	26.4	
85 cis-1,3-Dichloropropene	75	6.847	6.844	0.003	94	287554	25.0	24.1	
87 4-Methyl-2-pentanone (MIBK)	43	6.982	6.979	0.003	97	1423434	125.0	121.8	
88 Toluene	92	7.153	7.153	0.000	98	473598	25.0	25.9	
91 trans-1,3-Dichloropropene	75	7.368	7.365	0.003	93	274573	25.0	24.9	
93 1,1,2-Trichloroethane	83	7.555	7.554	0.000	93	150421	25.0	26.2	
94 Tetrachloroethene	166	7.690	7.690	0.000	95	200188	25.0	27.7	
96 2-Hexanone	43	7.783	7.783	0.000	97	1067469	125.0	122.1	
98 Chlorodibromomethane	129	7.963	7.963	0.000	90	192848	25.0	26.6	
101 Ethylene Dibromide	107	8.085	8.085	0.000	99	197939	25.0	26.3	
103 Chlorobenzene	112	8.564	8.561	0.003	94	519066	25.0	25.8	
104 Ethylbenzene	91	8.645	8.641	0.004	99	899723	25.0	26.3	
106 m-Xylene & p-Xylene	106	8.763	8.760	0.003	100	349612		26.3	
107 o-Xylene	106	9.188	9.188	0.000	97	346471		26.7	
109 Styrene	104	9.207	9.204	0.003	95	550694	25.0	25.6	
110 Bromoform	173	9.448	9.448	0.000	94	132565	25.0	27.5	
111 Isopropylbenzene	105	9.564	9.561	0.003	96	846070	25.0	25.0	
112 1,1,2,2-Tetrachloroethane	83	9.924	9.921	0.003	94	298825	25.0	25.3	
124 1,3-Dichlorobenzene	146	10.876	10.876	0.000	97	432107	25.0	25.4	
126 1,4-Dichlorobenzene	146	10.960	10.960	0.000	93	436274	25.0	24.9	
128 1,2-Dichlorobenzene	146	11.310	11.310	0.000	96	422901	25.0	25.4	
129 1,2-Dibromo-3-Chloropropane	75	11.992	11.988	0.004	82	72680	25.0	23.7	
130 1,2,4-Trichlorobenzene	180	12.644	12.644	0.000	94	310509	25.0	27.2	
S 143 Xylenes, Total	1				0			53.0	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00259	Amount Added:	12.50	Units: uL	
GAS CORP mix_00642	Amount Added:	12.50	Units: uL	
L_8260_IS_00059	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00057	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 30-Sep-2024 13:58:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8945.D

Injection Date: 28-Sep-2024 14:28:38 Instrument ID: HP5977L

Lims ID: 480-223784-A-2 MSD

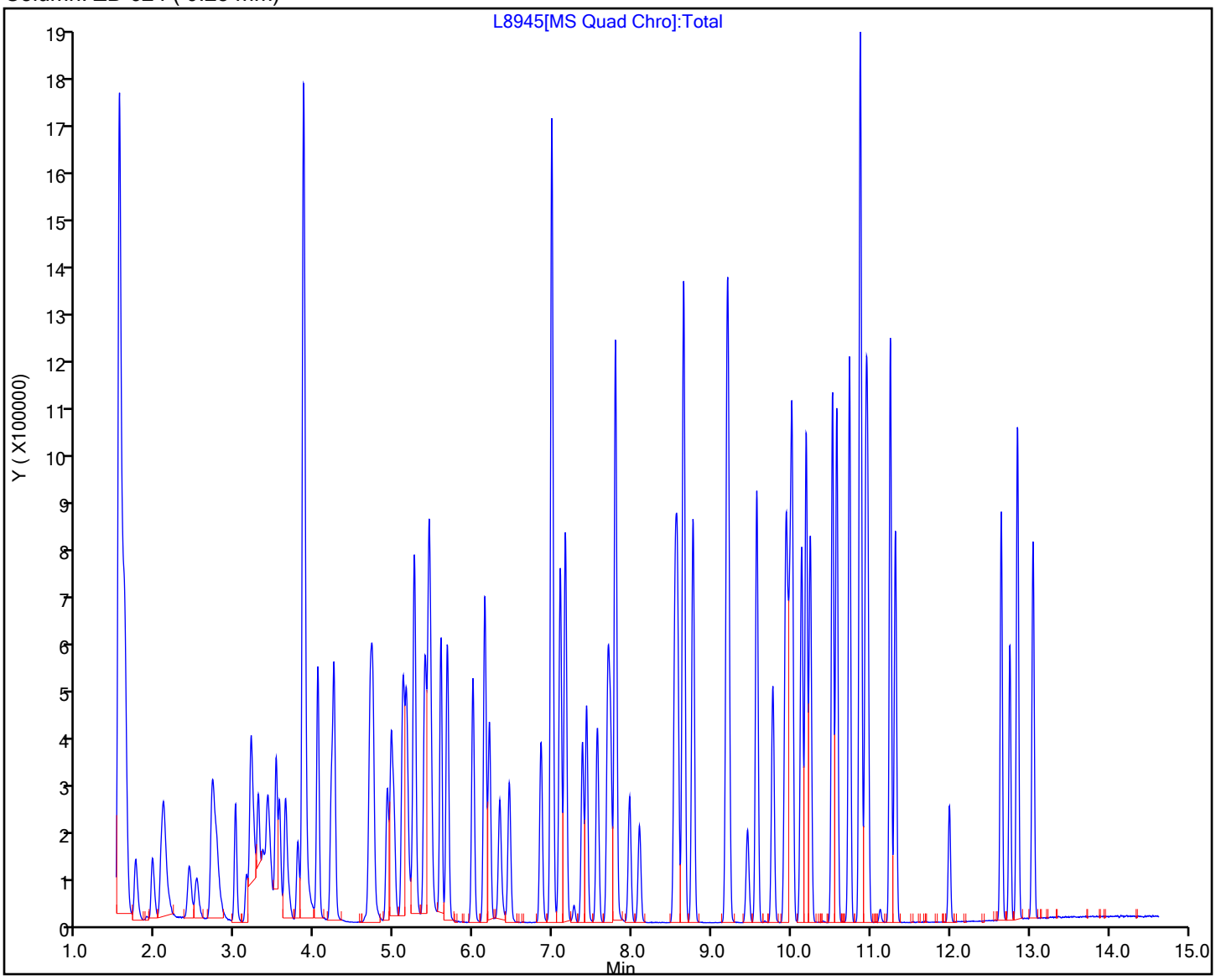
Client ID: GW-10S-09262024

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 53

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L8945.D
Lims ID: 480-223784-A-2 MSD
Client ID: GW-10S-09262024
Sample Type: MSD
Inject. Date: 28-Sep-2024 14:28:38 ALS Bottle#: 0 Worklist Smp#: 53
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-223784-A-2 MSD
Misc. Info.: 480-0120267-053
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20240927-120267.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Sep-2024 13:56:17 Calib Date: 25-Sep-2024 04:52:11
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20240924-120201.b\L8821.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: WLL8 Date: 30-Sep-2024 13:58:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.7	102.91
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.8	99.15
$ 6 Toluene-d8 (Surr)	25.0	26.3	105.32
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.3	109.32

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5973S Start Date: 09/09/2024 16:37

Analysis Batch Number: 724422 End Date: 09/10/2024 06:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-724422/11		09/09/2024 16:37	1	S1891.d	ZB-624 (20) 0.18(mm)
IC 480-724422/13		09/09/2024 20:39	1	S1899.d	ZB-624 (20) 0.18(mm)
IC 480-724422/14		09/09/2024 21:03	1	S1900.d	ZB-624 (20) 0.18(mm)
IC 480-724422/15		09/09/2024 21:39	1	S1901.d	ZB-624 (20) 0.18(mm)
IC 480-724422/16		09/09/2024 22:00	1	S1902.d	ZB-624 (20) 0.18(mm)
IC 480-724422/17		09/09/2024 22:23	1	S1903.d	ZB-624 (20) 0.18(mm)
ICIS 480-724422/18		09/09/2024 22:46	1	S1904.d	ZB-624 (20) 0.18(mm)
IC 480-724422/19		09/09/2024 23:10	1	S1905.d	ZB-624 (20) 0.18(mm)
IC 480-724422/20		09/09/2024 23:56	1	S1906.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/10/2024 00:40	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/10/2024 01:03	1		ZB-624 (20) 0.18(mm)
IC 480-724422/25		09/10/2024 02:13	1		ZB-624 (20) 0.18(mm)
IC 480-724422/26		09/10/2024 02:37	1		ZB-624 (20) 0.18(mm)
IC 480-724422/27		09/10/2024 03:00	1		ZB-624 (20) 0.18(mm)
IC 480-724422/28		09/10/2024 03:23	1		ZB-624 (20) 0.18(mm)
IC 480-724422/29		09/10/2024 03:46	1		ZB-624 (20) 0.18(mm)
IC 480-724422/30		09/10/2024 04:09	1		ZB-624 (20) 0.18(mm)
IC 480-724422/31		09/10/2024 04:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/10/2024 05:20	1		ZB-624 (20) 0.18(mm)
ICV 480-724422/34		09/10/2024 05:43	1	S1920.d	ZB-624 (20) 0.18(mm)
ICV 480-724422/35		09/10/2024 06:07	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5973S Start Date: 09/24/2024 10:51

Analysis Batch Number: 725969 End Date: 09/24/2024 19:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-725969/3		09/24/2024 10:51	1	S2391.d	ZB-624 (20) 0.18(mm)
CCVIS 480-725969/4		09/24/2024 11:16	1	S2392.d	ZB-624 (20) 0.18(mm)
CCV 480-725969/5		09/24/2024 11:55	1		ZB-624 (20) 0.18(mm)
LCS 480-725969/6		09/24/2024 12:18	1	S2394.d	ZB-624 (20) 0.18(mm)
RL 480-725969/8		09/24/2024 12:41	1		ZB-624 (20) 0.18(mm)
MB 480-725969/9		09/24/2024 13:05	1	S2396.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 13:55	100		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 14:18	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 14:41	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 15:04	200		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 15:28	50		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 15:51	80		ZB-624 (20) 0.18(mm)
480-223647-3	SW-B-09232024	09/24/2024 16:14	1	S2403.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 16:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 17:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 17:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 17:46	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 18:09	200		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 18:33	200		ZB-624 (20) 0.18(mm)
480-223647-3 MS	SW-B-09232024-MS MS	09/24/2024 18:56	1	S2410.d	ZB-624 (20) 0.18(mm)
480-223647-3 MSD	SW-B-09232024-MSD MSD	09/24/2024 19:19	1	S2411.d	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5973S Start Date: 09/27/2024 10:14

Analysis Batch Number: 726373 End Date: 09/27/2024 21:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-726373/3		09/27/2024 10:14	1	S2502.d	ZB-624 (20) 0.18(mm)
CCVIS 480-726373/4		09/27/2024 10:40	1	S2503.d	ZB-624 (20) 0.18(mm)
CCV 480-726373/5		09/27/2024 11:16	1		ZB-624 (20) 0.18(mm)
LCS 480-726373/6		09/27/2024 11:39	1	S2505.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 12:02	1		ZB-624 (20) 0.18(mm)
RL 480-726373/7		09/27/2024 12:25	1		ZB-624 (20) 0.18(mm)
MB 480-726373/8		09/27/2024 12:49	1	S2508.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 13:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 14:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 14:58	100		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 15:44	40		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 16:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 16:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 16:54	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 17:17	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 17:40	1		ZB-624 (20) 0.18(mm)
480-223755-1	EB-2-09252024	09/27/2024 18:03	1	S2519.d	ZB-624 (20) 0.18(mm)
480-223755-2	GW-4S-09252024	09/27/2024 18:26	1	S2520.d	ZB-624 (20) 0.18(mm)
480-223755-3	GW-4D-09252024	09/27/2024 18:49	1	S2521.d	ZB-624 (20) 0.18(mm)
480-223755-4	GW-M-25D-09252024	09/27/2024 19:13	1	S2522.d	ZB-624 (20) 0.18(mm)
480-223755-5	GW-M-25S-09252024	09/27/2024 19:36	1	S2523.d	ZB-624 (20) 0.18(mm)
480-223755-6	GW-M-26D-09252024	09/27/2024 20:00	1	S2524.d	ZB-624 (20) 0.18(mm)
480-223755-7	GW-M-28D-09252024	09/27/2024 20:23	1	S2525.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 20:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 21:10	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5975D Start Date: 09/19/2024 14:41

Analysis Batch Number: 725605 End Date: 09/20/2024 01:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-725605/11		09/19/2024 14:41	1	D6832.d	ZB-624 (20) 0.18(mm)
IC 480-725605/16		09/19/2024 16:33	1	D6837.d	ZB-624 (20) 0.18(mm)
IC 480-725605/17		09/19/2024 16:55	1	D6838.d	ZB-624 (20) 0.18(mm)
ICIS 480-725605/18		09/19/2024 17:18	1	D6839.d	ZB-624 (20) 0.18(mm)
IC 480-725605/19		09/19/2024 17:40	1	D6840.d	ZB-624 (20) 0.18(mm)
IC 480-725605/20		09/19/2024 18:02	1	D6841.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/19/2024 18:46	1		ZB-624 (20) 0.18(mm)
IC 480-725605/25		09/19/2024 19:52	1		ZB-624 (20) 0.18(mm)
IC 480-725605/26		09/19/2024 20:15	1		ZB-624 (20) 0.18(mm)
IC 480-725605/27		09/19/2024 20:37	1		ZB-624 (20) 0.18(mm)
IC 480-725605/28		09/19/2024 20:59	1		ZB-624 (20) 0.18(mm)
IC 480-725605/29		09/19/2024 21:21	1		ZB-624 (20) 0.18(mm)
IC 480-725605/30		09/19/2024 21:43	1		ZB-624 (20) 0.18(mm)
IC 480-725605/31		09/19/2024 22:05	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/19/2024 22:49	1		ZB-624 (20) 0.18(mm)
ICV 480-725605/34		09/19/2024 23:11	1	D6855.d	ZB-624 (20) 0.18(mm)
ICV 480-725605/35		09/19/2024 23:34	1		ZB-624 (20) 0.18(mm)
IC 480-725605/47		09/20/2024 00:18	1	D6858.d	ZB-624 (20) 0.18(mm)
IC 480-725605/48		09/20/2024 00:40	1	D6859.d	ZB-624 (20) 0.18(mm)
IC 480-725605/49		09/20/2024 01:02	1	D6860.d	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5975D Start Date: 09/24/2024 09:28

Analysis Batch Number: 725960 End Date: 09/24/2024 21:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-725960/3		09/24/2024 09:28	1	D6922.d	ZB-624 (20) 0.18(mm)
CCVIS 480-725960/4		09/24/2024 10:16	1	D6923.d	ZB-624 (20) 0.18(mm)
CCV 480-725960/5		09/24/2024 11:51	1		ZB-624 (20) 0.18(mm)
RL 480-725960/7		09/24/2024 12:35	1		ZB-624 (20) 0.18(mm)
MB 480-725960/8		09/24/2024 12:57	1	D6927.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 13:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 13:57	1		ZB-624 (20) 0.18(mm)
480-223647-1	GW-13D-09232024	09/24/2024 14:19	1	D6930.d	ZB-624 (20) 0.18(mm)
LCS 480-725960/27		09/24/2024 14:51	1	D6931.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 15:33	1		ZB-624 (20) 0.18(mm)
480-223647-2	GW-M-27D-09232024	09/24/2024 15:55	1	D6933.d	ZB-624 (20) 0.18(mm)
480-223647-4	FD-1-09232024	09/24/2024 16:17	1	D6934.d	ZB-624 (20) 0.18(mm)
480-223647-5	TB-1-09232024	09/24/2024 16:39	1	D6935.d	ZB-624 (20) 0.18(mm)
480-223647-6	SW-A-09232024	09/24/2024 17:01	1	D6936.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 17:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 17:46	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 18:08	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 18:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 18:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 19:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 19:36	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 19:58	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 20:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 20:42	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/24/2024 21:04	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5975D Start Date: 09/25/2024 22:38

Analysis Batch Number: 726185 End Date: 09/26/2024 07:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-726185/3		09/25/2024 22:38	1	D6983.d	ZB-624 (20) 0.18(mm)
CCVIS 480-726185/4		09/25/2024 23:01	1	D6984.d	ZB-624 (20) 0.18(mm)
CCV 480-726185/5		09/25/2024 23:23	1		ZB-624 (20) 0.18(mm)
LCS 480-726185/6		09/25/2024 23:45	1	D6986.d	ZB-624 (20) 0.18(mm)
RL 480-726185/7		09/26/2024 00:07	1		ZB-624 (20) 0.18(mm)
MB 480-726185/8		09/26/2024 00:29	1	D6988.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 00:51	8000		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 01:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 01:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 01:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 02:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 02:42	2		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 03:04	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 03:26	10		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 03:48	10		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 04:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 04:32	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 04:55	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 05:17	20		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 05:39	2		ZB-624 (20) 0.18(mm)
480-223692-1	GW-M-26S-09242024	09/26/2024 06:01	1	D7003.d	ZB-624 (20) 0.18(mm)
480-223692-2	GW-M-26D-09242024	09/26/2024 06:23	1	D7004.d	ZB-624 (20) 0.18(mm)
480-223692-3	GW-M-11D-09242024	09/26/2024 06:45	1	D7005.d	ZB-624 (20) 0.18(mm)
480-223692-4	GW-MW-1-09242024	09/26/2024 07:07	1	D7006.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 07:29	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/26/2024 07:52	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5975D Start Date: 09/27/2024 10:06

Analysis Batch Number: 726382 End Date: 09/27/2024 21:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-726382/3		09/27/2024 10:06	1	D7039.d	ZB-624 (20) 0.18(mm)
CCVIS 480-726382/4		09/27/2024 10:33	1	D7040.d	ZB-624 (20) 0.18(mm)
LCS 480-726382/6		09/27/2024 11:46	1	D7042.d	ZB-624 (20) 0.18(mm)
MB 480-726382/8		09/27/2024 12:30	1	D7044.d	ZB-624 (20) 0.18(mm)
480-223755-10	SW-D-09252024	09/27/2024 13:21	1	D7045.d	ZB-624 (20) 0.18(mm)
480-223755-11	TB-3-09252024	09/27/2024 13:57	1	D7046.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 14:19	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 14:41	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 15:03	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 15:25	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 15:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 16:09	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 16:31	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 16:54	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 17:16	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 17:38	4		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 18:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 18:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 18:44	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 19:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 19:28	1		ZB-624 (20) 0.18(mm)
480-223755-8	GW-M-29S-09252024	09/27/2024 19:50	1	D7062.d	ZB-624 (20) 0.18(mm)
480-223755-9	GW-M-28S-09252024	09/27/2024 20:13	1	D7063.d	ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 20:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/27/2024 20:57	40		ZB-624 (20) 0.18(mm)
LCSD 480-726382/29		09/27/2024 21:19	1	D7066.d	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5977K Start Date: 09/17/2024 14:25

Analysis Batch Number: 725344 End Date: 09/18/2024 03:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-725344/11		09/17/2024 14:25	1	K4860.D	ZB-624 (20) 0.18(mm)
IC 480-725344/13		09/17/2024 15:15	1	K4862.D	ZB-624 (20) 0.18(mm)
IC 480-725344/14		09/17/2024 15:37	1	K4863.D	ZB-624 (20) 0.18(mm)
IC 480-725344/15		09/17/2024 16:00	1	K4864.D	ZB-624 (20) 0.18(mm)
IC 480-725344/16		09/17/2024 16:22	1	K4865.D	ZB-624 (20) 0.18(mm)
IC 480-725344/17		09/17/2024 16:45	1	K4866.D	ZB-624 (20) 0.18(mm)
ICIS 480-725344/18		09/17/2024 17:08	1	K4867.D	ZB-624 (20) 0.18(mm)
IC 480-725344/19		09/17/2024 17:30	1	K4868.D	ZB-624 (20) 0.18(mm)
IC 480-725344/20		09/17/2024 17:53	1	K4869.D	ZB-624 (20) 0.18(mm)
ZZZZZ		09/17/2024 18:38	1		ZB-624 (20) 0.18(mm)
IC 480-725344/25		09/17/2024 19:45	1		ZB-624 (20) 0.18(mm)
IC 480-725344/26		09/17/2024 20:07	1		ZB-624 (20) 0.18(mm)
IC 480-725344/27		09/17/2024 20:29	1		ZB-624 (20) 0.18(mm)
IC 480-725344/28		09/17/2024 20:52	1		ZB-624 (20) 0.18(mm)
IC 480-725344/29		09/17/2024 21:15	1		ZB-624 (20) 0.18(mm)
IC 480-725344/30		09/17/2024 21:37	1		ZB-624 (20) 0.18(mm)
IC 480-725344/31		09/17/2024 22:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/17/2024 22:45	1		ZB-624 (20) 0.18(mm)
ICV 480-725344/34		09/17/2024 23:07	1	K4883.D	ZB-624 (20) 0.18(mm)
ICV 480-725344/35		09/17/2024 23:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/18/2024 00:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/18/2024 00:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/18/2024 00:59	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/18/2024 01:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/18/2024 02:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/18/2024 02:29	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/18/2024 02:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/18/2024 03:14	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5977K Start Date: 09/27/2024 23:02

Analysis Batch Number: 726431 End Date: 09/28/2024 09:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-726431/3		09/27/2024 23:02	1	K5207.D	ZB-624 (20) 0.18(mm)
CCVIS 480-726431/4		09/27/2024 23:24	1	K5208.D	ZB-624 (20) 0.18(mm)
CCV 480-726431/5		09/27/2024 23:47	1		ZB-624 (20) 0.18(mm)
LCS 480-726431/6		09/28/2024 00:10	1	K5210.D	ZB-624 (20) 0.18(mm)
RL 480-726431/7		09/28/2024 00:32	1		ZB-624 (20) 0.18(mm)
MB 480-726431/8		09/28/2024 00:55	1	K5212.D	ZB-624 (20) 0.18(mm)
480-223692-5	GW-MW-4-09242024	09/28/2024 01:17	1	K5213.D	ZB-624 (20) 0.18(mm)
480-223692-6	FD-2-09242024	09/28/2024 01:39	1	K5214.D	ZB-624 (20) 0.18(mm)
480-223692-7	SW-G-09242024	09/28/2024 02:02	1	K5215.D	ZB-624 (20) 0.18(mm)
480-223692-8	SW-F-09242024	09/28/2024 02:25	1	K5216.D	ZB-624 (20) 0.18(mm)
480-223692-9	SW-E-09242024	09/28/2024 02:47	1	K5217.D	ZB-624 (20) 0.18(mm)
480-223692-10	EB-1-09242024	09/28/2024 03:10	1	K5218.D	ZB-624 (20) 0.18(mm)
480-223692-11	TB-2-09242024	09/28/2024 03:32	1	K5219.D	ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 03:55	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 04:17	800		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 04:40	100		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 05:03	100		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 05:25	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 05:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 06:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 06:33	40		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 06:55	2		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 07:18	1000		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 07:41	1		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 08:03	4		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 08:26	4		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 08:48	800		ZB-624 (20) 0.18(mm)
ZZZZZ		09/28/2024 09:11	800		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5977L Start Date: 09/24/2024 20:41

Analysis Batch Number: 726083 End Date: 09/25/2024 06:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-726083/3		09/24/2024 20:41	1	L8801.D	ZB-624 (30) VOA 0.25(mm)
IC 480-726083/5		09/24/2024 21:32	1	L8803.D	ZB-624 (30) VOA 0.25(mm)
IC 480-726083/6		09/24/2024 21:56	1	L8804.D	ZB-624 (30) VOA 0.25(mm)
IC 480-726083/7		09/24/2024 22:21	1	L8805.D	ZB-624 (30) VOA 0.25(mm)
IC 480-726083/8		09/24/2024 22:45	1	L8806.D	ZB-624 (30) VOA 0.25(mm)
IC 480-726083/9		09/24/2024 23:10	1	L8807.D	ZB-624 (30) VOA 0.25(mm)
ICIS 480-726083/10		09/24/2024 23:34	1	L8808.D	ZB-624 (30) VOA 0.25(mm)
IC 480-726083/11		09/24/2024 23:58	1	L8809.D	ZB-624 (30) VOA 0.25(mm)
IC 480-726083/12		09/25/2024 00:23	1	L8810.D	ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/25/2024 01:11	1		ZB-624 (30) VOA 0.25(mm)
IC 480-726083/17		09/25/2024 02:25	1		ZB-624 (30) VOA 0.25(mm)
IC 480-726083/18		09/25/2024 02:50	1		ZB-624 (30) VOA 0.25(mm)
IC 480-726083/19		09/25/2024 03:14	1		ZB-624 (30) VOA 0.25(mm)
IC 480-726083/20		09/25/2024 03:39	1		ZB-624 (30) VOA 0.25(mm)
IC 480-726083/21		09/25/2024 04:03	1		ZB-624 (30) VOA 0.25(mm)
IC 480-726083/22		09/25/2024 04:27	1		ZB-624 (30) VOA 0.25(mm)
IC 480-726083/23		09/25/2024 04:52	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/25/2024 05:41	1		ZB-624 (30) VOA 0.25(mm)
ICV 480-726083/26		09/25/2024 06:05	1	L8824.D	ZB-624 (30) VOA 0.25(mm)
ICV 480-726083/27		09/25/2024 06:30	1		ZB-624 (30) VOA 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: HP5977L Start Date: 09/28/2024 03:07

Analysis Batch Number: 726463 End Date: 09/28/2024 14:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-726463/3		09/28/2024 03:07	1	L8917.D	ZB-624 (30) VOA 0.25(mm)
CCVIS 480-726463/4		09/28/2024 03:31	1	L8918.D	ZB-624 (30) VOA 0.25(mm)
CCV 480-726463/5		09/28/2024 03:56	1		ZB-624 (30) VOA 0.25(mm)
LCS 480-726463/6		09/28/2024 04:20	1	L8920.D	ZB-624 (30) VOA 0.25(mm)
RL 480-726463/7		09/28/2024 04:44	1		ZB-624 (30) VOA 0.25(mm)
MB 480-726463/8		09/28/2024 05:08	1	L8922.D	ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 05:32	100		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 05:56	100		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 06:20	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 06:45	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 07:09	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 07:34	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 07:58	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 08:22	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 08:47	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 09:12	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 09:36	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 10:00	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 10:25	1		ZB-624 (30) VOA 0.25(mm)
480-223784-1	EB-3-09262024	09/28/2024 10:49	1	L8936.D	ZB-624 (30) VOA 0.25(mm)
480-223784-2	GW-10S-09262024	09/28/2024 11:14	1	L8937.D	ZB-624 (30) VOA 0.25(mm)
480-223784-3	GW-DGC-4S-09262024	09/28/2024 11:39	1	L8938.D	ZB-624 (30) VOA 0.25(mm)
480-223784-4	GW-13S-09262024	09/28/2024 12:03	1	L8939.D	ZB-624 (30) VOA 0.25(mm)
480-223784-5	GW-M-24DR-09262024	09/28/2024 12:28	1	L8940.D	ZB-624 (30) VOA 0.25(mm)
480-223784-6	TB-4-09262024	09/28/2024 12:52	1	L8941.D	ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 13:16	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		09/28/2024 13:40	1		ZB-624 (30) VOA 0.25(mm)
480-223784-2 MS	GW-10S-09262024-MS MS	09/28/2024 14:04	1	L8944.D	ZB-624 (30) VOA 0.25(mm)
480-223784-2 MSD	GW-10S-09262024-MSD MSD	09/28/2024 14:28	1	L8945.D	ZB-624 (30) VOA 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 724422 Batch Start Date: 09/09/24 16:37 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	8260 CORP mix 00258	BFB_WRK 00165	GAS CORP mix 00639	S_8260_IS 00400
BFB 480-724422/11		8260C			1 uL	1 uL		1 uL		
IC 480-724422/13		8260C			5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-724422/14		8260C			5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-724422/15		8260C			5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-724422/16		8260C			5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-724422/17		8260C			5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-724422/18		8260C			5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-724422/19		8260C			5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-724422/20		8260C			5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-724422/34		8260C			5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_Surr 00490	SS 8260 CORP 00116	SS GAS CORP 00592			
BFB 480-724422/11		8260C								
IC 480-724422/13		8260C			1 uL					
IC 480-724422/14		8260C			1 uL					
IC 480-724422/15		8260C			1 uL					
IC 480-724422/16		8260C			1 uL					
IC 480-724422/17		8260C			1 uL					
ICIS 480-724422/18		8260C			1 uL					
IC 480-724422/19		8260C			1 uL					
IC 480-724422/20		8260C			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 724422 Batch Start Date: 09/09/24 16:37 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_Surr 00490	SS 8260 CORP 00116	SS GAS CORP 00592			
ICV 480-724422/34		8260C			1 uL	12.5 uL	12.5 uL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 725344 Batch Start Date: 09/17/24 14:25 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	8260 CORP mix 00258	BFB_WRK 00165	GAS CORP mix 00640	K WATER IS/SS 00014
BFB 480-725344/11		8260C			1 uL	1 uL		1 uL		
IC 480-725344/13		8260C			5 mL	5 mL	0.4 uL		0.4 uL	5 uL
IC 480-725344/14		8260C			5 mL	5 mL	1 uL		1 uL	5 uL
IC 480-725344/15		8260C			5 mL	5 mL	2 uL		2 uL	5 uL
IC 480-725344/16		8260C			5 mL	5 mL	5 uL		5 uL	5 uL
IC 480-725344/17		8260C			5 mL	5 mL	5 uL		5 uL	5 uL
ICIS 480-725344/18		8260C			5 mL	5 mL	12.5 uL		12.5 uL	5 uL
IC 480-725344/19		8260C			5 mL	5 mL	25 uL		25 uL	5 uL
IC 480-725344/20		8260C			5 mL	5 mL	50 uL		50 uL	5 uL
ICV 480-725344/34		8260C			5 mL	5 mL				5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SS 8260 CORP 00116	SS GAS CORP 00593				
BFB 480-725344/11		8260C								
IC 480-725344/13		8260C								
IC 480-725344/14		8260C								
IC 480-725344/15		8260C								
IC 480-725344/16		8260C								
IC 480-725344/17		8260C								
ICIS 480-725344/18		8260C								
IC 480-725344/19		8260C								
IC 480-725344/20		8260C								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 725344 Batch Start Date: 09/17/24 14:25 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SS 8260 CORP 00116	SS GAS CORP 00593				
ICV 480-725344/34		8260C			12.5 uL	12.5 uL				

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 725605 Batch Start Date: 09/19/24 14:41 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	8260 CORP mix 00259	BFB_WRK 00165	D 8260 IS/SUR 00092	GAS CORP mix 00641
BFB 480-725605/11		8260C			1 uL	1 uL		1 uL		
IC 480-725605/16		8260C			5 mL	5 mL	5 uL		1 uL	5 uL
IC 480-725605/17		8260C			5 mL	5 mL	5 uL		1 uL	5 uL
ICIS 480-725605/18		8260C			5 mL	5 mL	12.5 uL		1 uL	12.5 uL
IC 480-725605/19		8260C			5 mL	5 mL	25 uL		1 uL	25 uL
IC 480-725605/20		8260C			5 mL	5 mL	50 uL		1 uL	50 uL
ICV 480-725605/34		8260C			5 mL	5 mL			1 uL	
IC 480-725605/47		8260C			5 mL	5 mL	0.4 uL		1 uL	0.4 uL
IC 480-725605/48		8260C			5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-725605/49		8260C			5 mL	5 mL	2 uL		1 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SS 8260 CORP 00116	SS GAS CORP 00594				
BFB 480-725605/11		8260C								
IC 480-725605/16		8260C								
IC 480-725605/17		8260C								
ICIS 480-725605/18		8260C								
IC 480-725605/19		8260C								
IC 480-725605/20		8260C								
ICV 480-725605/34		8260C			12.5 uL	12.5 uL				
IC 480-725605/47		8260C								
IC 480-725605/48		8260C								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 725605 Batch Start Date: 09/19/24 14:41 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SS 8260 CORP 00116	SS GAS CORP 00594				
IC 480-725605/49		8260C								

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 725960 Batch Start Date: 09/24/24 09:28 Batch Analyst: Daniels, Aiden

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00259	BFB_WRK 00165	D 8260 IS/SUR 00092
BFB 480-725960/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-725960/4		8260C			5 mL	5 mL		12.5 uL		1 uL
MB 480-725960/8		8260C			5 mL	5 mL				1 uL
480-223647-C-1	GW-13D-09232024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223647-C-2	GW-m-27D-09232024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223647-C-4	FD-1-09232024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223647-G-5	TB-1-09232024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223647-C-6	SW-A-09232024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
LCS 480-725960/27		8260C			5 mL	5 mL		12.5 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GAS CORP mix 00641					
BFB 480-725960/3		8260C								
CCVIS 480-725960/4		8260C			12.5 uL					
MB 480-725960/8		8260C								
480-223647-C-1	GW-13D-09232024	8260C	Water	T						
480-223647-C-2	GW-m-27D-09232024	8260C	Water	T						
480-223647-C-4	FD-1-09232024	8260C	Water	T						
480-223647-G-5	TB-1-09232024	8260C	Water	T						
480-223647-C-6	SW-A-09232024	8260C	Water	T						
LCS 480-725960/27		8260C			12.5 uL					

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 725960 Batch Start Date: 09/24/24 09:28 Batch Analyst: Daniels, Aiden

Batch Method: 8260C Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 725969 Batch Start Date: 09/24/24 10:51 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00258	BFB_WRK 00165	GAS CORP mix 00641
BFB 480-725969/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-725969/4		8260C			5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-725969/6		8260C			5 mL	5 mL		12.5 uL		12.5 uL
MB 480-725969/9		8260C			5 mL	5 mL				
480-223647-H-3	SW-B-09232024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223647-H-3 MS	SW-B-09232024	8260C	Water	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-223647-H-3 MSD	SW-B-09232024	8260C	Water	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_IS 00401	S_8260_Surr 00491				
BFB 480-725969/3		8260C								
CCVIS 480-725969/4		8260C			1 uL	1 uL				
LCS 480-725969/6		8260C			1 uL	1 uL				
MB 480-725969/9		8260C			1 uL	1 uL				
480-223647-H-3	SW-B-09232024	8260C	Water	T	1 uL	1 uL				
480-223647-H-3 MS	SW-B-09232024	8260C	Water	T	1 uL	1 uL				
480-223647-H-3 MSD	SW-B-09232024	8260C	Water	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726083 Batch Start Date: 09/24/24 20:41 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	8260 CORP mix 00259	BFB_WRK 00166	GAS CORP mix 00642	L_8260_IS 00059
BFB 480-726083/3		8260C			1 uL	1 uL		1 uL		
IC 480-726083/5		8260C			5 mL	5 mL	0.4 uL		0.4 uL	2 uL
IC 480-726083/6		8260C			5 mL	5 mL	1 uL		1 uL	2 uL
IC 480-726083/7		8260C			5 mL	5 mL	2 uL		2 uL	2 uL
IC 480-726083/8		8260C			5 mL	5 mL	5 uL		5 uL	2 uL
IC 480-726083/9		8260C			5 mL	5 mL	5 uL		5 uL	2 uL
ICIS 480-726083/10		8260C			5 mL	5 mL	12.5 uL		12.5 uL	2 uL
IC 480-726083/11		8260C			5 mL	5 mL	25 uL		25 uL	2 uL
IC 480-726083/12		8260C			5 mL	5 mL	50 uL		50 uL	2 uL
ICV 480-726083/26		8260C			5 mL	5 mL				2 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	L_8260_SURR 00057	SS 8260 CORP 00116	SS GAS CORP 00595			
BFB 480-726083/3		8260C								
IC 480-726083/5		8260C			2 uL					
IC 480-726083/6		8260C			2 uL					
IC 480-726083/7		8260C			2 uL					
IC 480-726083/8		8260C			2 uL					
IC 480-726083/9		8260C			2 uL					
ICIS 480-726083/10		8260C			2 uL					
IC 480-726083/11		8260C			2 uL					
IC 480-726083/12		8260C			2 uL					
ICV 480-726083/26		8260C			2 uL	12.5 uL	12.5 uL			

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726083 Batch Start Date: 09/24/24 20:41 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726185 Batch Start Date: 09/25/24 22:38 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00257	BFB_WRK 00165	D 8260 IS/SUR 00089
BFB 480-726185/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-726185/4		8260C			5 mL	5 mL		12.5 uL		1 uL
LCS 480-726185/6		8260C			5 mL	5 mL		12.5 uL		1 uL
MB 480-726185/8		8260C			5 mL	5 mL				1 uL
480-223692-A-1	GW-M-26S-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223692-A-2	GW-M-26D-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223692-A-3	GW-M-11D-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223692-A-4	GW-MW-1-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GAS CORP mix 00642					
BFB 480-726185/3		8260C								
CCVIS 480-726185/4		8260C			12.5 uL					
LCS 480-726185/6		8260C			12.5 uL					
MB 480-726185/8		8260C								
480-223692-A-1	GW-M-26S-09242024	8260C	Water	T						
480-223692-A-2	GW-M-26D-09242024	8260C	Water	T						
480-223692-A-3	GW-M-11D-09242024	8260C	Water	T						
480-223692-A-4	GW-MW-1-09242024	8260C	Water	T						

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726185 Batch Start Date: 09/25/24 22:38 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726373 Batch Start Date: 09/27/24 10:14 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00258	BFB_WRK 00165	GAS CORP mix 00642
BFB 480-726373/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-726373/4		8260C			5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-726373/6		8260C			5 mL	5 mL		12.5 uL		12.5 uL
MB 480-726373/8		8260C			5 mL	5 mL				
480-223755-B-1	EB-2-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223755-A-2	GW-4S-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223755-A-3	GW-4D-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223755-A-4	GW-M-25D-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223755-A-5	GW-M-25S-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223755-A-6	GW-M-26D-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223755-A-7	GW-M-28D-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_IS 00401	S_8260_Surr 00491				
BFB 480-726373/3		8260C								
CCVIS 480-726373/4		8260C			1 uL	1 uL				
LCS 480-726373/6		8260C			1 uL	1 uL				
MB 480-726373/8		8260C			1 uL	1 uL				
480-223755-B-1	EB-2-09252024	8260C	Water	T	1 uL	1 uL				
480-223755-A-2	GW-4S-09252024	8260C	Water	T	1 uL	1 uL				
480-223755-A-3	GW-4D-09252024	8260C	Water	T	1 uL	1 uL				
480-223755-A-4	GW-M-25D-09252024	8260C	Water	T	1 uL	1 uL				
480-223755-A-5	GW-M-25S-09252024	8260C	Water	T	1 uL	1 uL				
480-223755-A-6	GW-M-26D-09252024	8260C	Water	T	1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726373 Batch Start Date: 09/27/24 10:14 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_IS 00401	S_8260_Surr 00491				
480-223755-A-7	GW-M-28D-09252024	8260C	Water	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726382 Batch Start Date: 09/27/24 10:06 Batch Analyst: Daniels, Aiden

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00259	BFB_WRK 00165	D 8260 IS/SUR 00092
BFB 480-726382/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-726382/4		8260C			5 mL	5 mL		12.5 uL		1 uL
LCS 480-726382/6		8260C			5 mL	5 mL		12.5 uL		1 uL
MB 480-726382/8		8260C			5 mL	5 mL				1 uL
480-223755-A-10	SW-D-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223755-A-11	TB-3-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223755-A-8	GW-M-29S-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
480-223755-A-9	GW-M-28S-09252024	8260C	Water	T	5 mL	5 mL	<2 SU			1 uL
LCSD 480-726382/29		8260C			5 mL	5 mL		12.5 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GAS CORP mix 00642					
BFB 480-726382/3		8260C								
CCVIS 480-726382/4		8260C			12.5 uL					
LCS 480-726382/6		8260C			12.5 uL					
MB 480-726382/8		8260C								
480-223755-A-10	SW-D-09252024	8260C	Water	T						
480-223755-A-11	TB-3-09252024	8260C	Water	T						
480-223755-A-8	GW-M-29S-09252024	8260C	Water	T						
480-223755-A-9	GW-M-28S-09252024	8260C	Water	T						
LCSD 480-726382/29		8260C			12.5 uL					

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726382 Batch Start Date: 09/27/24 10:06 Batch Analyst: Daniels, Aiden

Batch Method: 8260C Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726431 Batch Start Date: 09/27/24 23:02 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00259	BFB_WRK 00165	GAS CORP mix 00642
BFB 480-726431/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-726431/4		8260C			5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-726431/6		8260C			5 mL	5 mL		12.5 uL		12.5 uL
MB 480-726431/8		8260C			5 mL	5 mL				
480-223692-C-5	GW-MW-4-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223692-C-6	FD-2-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223692-C-7	SW-G-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223692-C-8	SW-F-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223692-C-9	SW-E-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223692-C-10	EB-1-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223692-B-11	TB-2-09242024	8260C	Water	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	K WATER IS/SS 00014					
BFB 480-726431/3		8260C								
CCVIS 480-726431/4		8260C			5 uL					
LCS 480-726431/6		8260C			5 uL					
MB 480-726431/8		8260C			5 uL					
480-223692-C-5	GW-MW-4-09242024	8260C	Water	T	5 uL					
480-223692-C-6	FD-2-09242024	8260C	Water	T	5 uL					
480-223692-C-7	SW-G-09242024	8260C	Water	T	5 uL					
480-223692-C-8	SW-F-09242024	8260C	Water	T	5 uL					
480-223692-C-9	SW-E-09242024	8260C	Water	T	5 uL					
480-223692-C-10	EB-1-09242024	8260C	Water	T	5 uL					
480-223692-B-11	TB-2-09242024	8260C	Water	T	5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726431 Batch Start Date: 09/27/24 23:02 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726463 Batch Start Date: 09/28/24 03:07 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00259	BFB_WRK 00166	GAS CORP mix 00642
BFB 480-726463/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-726463/4		8260C			5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-726463/6		8260C			5 mL	5 mL		12.5 uL		12.5 uL
MB 480-726463/8		8260C			5 mL	5 mL				
480-223784-A-1	EB-3-09262024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223784-A-2	GW-10S-09262024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223784-A-3	GW-DGC-45-09262024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223784-A-4	GW-13S-09262024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223784-A-5	GW-M-24DR-09262024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223784-A-6	TB-4-09262024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-223784-A-2 MS	GW-10S-09262024	8260C	Water	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-223784-A-2 MSD	GW-10S-09262024	8260C	Water	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	L_8260_IS 00059	L_8260_SURR 00057				
BFB 480-726463/3		8260C								
CCVIS 480-726463/4		8260C			2 uL	2 uL				
LCS 480-726463/6		8260C			2 uL	2 uL				
MB 480-726463/8		8260C			2 uL	2 uL				
480-223784-A-1	EB-3-09262024	8260C	Water	T	2 uL	2 uL				
480-223784-A-2	GW-10S-09262024	8260C	Water	T	2 uL	2 uL				
480-223784-A-3	GW-DGC-45-09262024	8260C	Water	T	2 uL	2 uL				
480-223784-A-4	GW-13S-09262024	8260C	Water	T	2 uL	2 uL				
480-223784-A-5	GW-M-24DR-09262024	8260C	Water	T	2 uL	2 uL				
480-223784-A-6	TB-4-09262024	8260C	Water	T	2 uL	2 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726463 Batch Start Date: 09/28/24 03:07 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	L_8260_IS 00059	L_8260_SURR 00057				
480-223784-A-2 MS	GW-10S-09262024	8260C	Water	T	2 uL	2 uL				
480-223784-A-2 MSD	GW-10S-09262024	8260C	Water	T	2 uL	2 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method RSK-175

Dissolved Gases (GC) by Method RSK_175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_131.D

Lab ID: LCS 480-726126/9 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethane	36.5	36.0	99	79-120	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_144.D

Lab ID: LCS 480-726287/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethane	36.5	38.6	106	79-120	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_162.D

Lab ID: LCS 480-726371/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethane	36.5	37.6	103	79-120	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_202.D

Lab ID: LCS 480-726563/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethane	36.5	42.4	116	79-120	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_145.D

Lab ID: LCSD 480-726287/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethane	36.5	38.4	105	0	50	79-120	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_137.D

Lab ID: 480-223647-3 MS Client ID: SW-B-09232024-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Ethane	36.5	7.5 U	33.5	92	76-125	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_214.D

Lab ID: 480-223784-2 MS Client ID: GW-10S-09262024-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Ethane	36.5	7.5 U	37.9	104	76-125	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_138.D

Lab ID: 480-223647-3 MSD Client ID: SW-B-09232024-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethane	36.5	32.7	89	3	50	76-125	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Level: Low Lab File ID: pe3_100_215.D

Lab ID: 480-223784-2 MSD Client ID: GW-10S-09262024-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethane	36.5	36.9	101	3	50	76-125	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: MB 480-726126/7

Matrix: Water Date Extracted:

Lab File ID:(1) pe3_100_129.D Lab File ID:(2)

Date Analyzed:(1) 09/25/2024 11:02 Date Analyzed:(2)

Instrument ID:(1) PE-03 Instrument ID:(2)

GC Column:(1) Alumina ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-726126/9	09/25/2024 11:54	
GW-13D-09232024	480-223647-1	09/25/2024 12:19	
GW-M-27D-09232024	480-223647-2	09/25/2024 12:46	
SW-B-09232024	480-223647-3	09/25/2024 13:05	
FD-1-09232024	480-223647-4	09/25/2024 13:24	
SW-A-09232024	480-223647-6	09/25/2024 13:43	
SW-B-09232024-MS MS	480-223647-3 MS	09/25/2024 14:02	
SW-B-09232024-MSD MSD	480-223647-3 MSD	09/25/2024 14:21	

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: MB 480-726287/4

Matrix: Water Date Extracted:

Lab File ID:(1) pe3_100_143.D Lab File ID:(2)

Date Analyzed:(1) 09/26/2024 11:55 Date Analyzed:(2)

Instrument ID:(1) PE-03 Instrument ID:(2)

GC Column:(1) Alumina ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-726287/5	09/26/2024 12:14	
	LCSD 480-726287/6	09/26/2024 12:33	
GW-M-26S-09242024	480-223692-1	09/26/2024 13:00	
GW-M-26D-09242024	480-223692-2	09/26/2024 13:19	
GW-M-11D-09242024	480-223692-3	09/26/2024 13:38	
GW-MW-1-09242024	480-223692-4	09/26/2024 13:57	
GW-MW-4-09242024	480-223692-5	09/26/2024 14:16	
FD-2-09242024	480-223692-6	09/26/2024 14:35	
SW-G-09242024	480-223692-7	09/26/2024 14:54	
SW-F-09242024	480-223692-8	09/26/2024 15:13	
SW-E-09242024	480-223692-9	09/26/2024 15:31	
EB-1-09242024	480-223692-10	09/26/2024 15:50	
TB-2-09242024	480-223692-11	09/26/2024 16:09	

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: MB 480-726371/4

Matrix: Water Date Extracted:

Lab File ID:(1) pe3_100_161.D Lab File ID:(2)

Date Analyzed:(1) 09/27/2024 09:01 Date Analyzed:(2)

Instrument ID:(1) PE-03 Instrument ID:(2)

GC Column:(1) Alumina ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-726371/5	09/27/2024 09:20	
EB-2-09252024	480-223755-1	09/27/2024 13:31	
GW-4S-09252024	480-223755-2	09/27/2024 13:50	
GW-4D-09252024	480-223755-3	09/27/2024 14:09	
GW-M-25D-09252024	480-223755-4	09/27/2024 14:28	
GW-M-25S-09252024	480-223755-5	09/27/2024 14:47	
GW-M-26D-09252024	480-223755-6	09/27/2024 15:06	
GW-M-28D-09252024	480-223755-7	09/27/2024 15:24	
GW-M-29S-09252024	480-223755-8	09/27/2024 15:43	
GW-M-28S-09252024	480-223755-9	09/27/2024 16:02	
SW-D-09252024	480-223755-10	09/27/2024 16:21	

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: MB 480-726563/6

Matrix: Water Date Extracted:

Lab File ID:(1) pe3_100_201.D Lab File ID:(2)

Date Analyzed:(1) 09/30/2024 09:08 Date Analyzed:(2)

Instrument ID:(1) PE-03 Instrument ID:(2)

GC Column:(1) Alumina ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-726563/7	09/30/2024 09:27	
EB-3-09262024	480-223784-1	09/30/2024 10:04	
GW-DGC-4S-09262024	480-223784-3	09/30/2024 10:23	
GW-13S-09262024	480-223784-4	09/30/2024 10:42	
GW-M-24DR-09262024	480-223784-5	09/30/2024 11:01	
GW-10S-09262024	480-223784-2	09/30/2024 12:54	
GW-10S-09262024-MS MS	480-223784-2 MS	09/30/2024 13:13	
GW-10S-09262024-MSD MSD	480-223784-2 MSD	09/30/2024 13:32	

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-13D-09232024 | Lab Sample ID: 480-223647-1

Matrix: Water | Lab File ID: pe3_100_132.D

Analysis Method: RSK-175 | Date Collected: 09/23/2024 12:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 12:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_132.D
Lims ID: 480-223647-H-1
Client ID: GW-13D-09232024
Sample Type: Client
Inject. Date: 25-Sep-2024 12:19:07 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:00 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.928	1.947	-0.019	22869	-0.2461	
2	2.132	2.143	-0.011	16579	1.72	

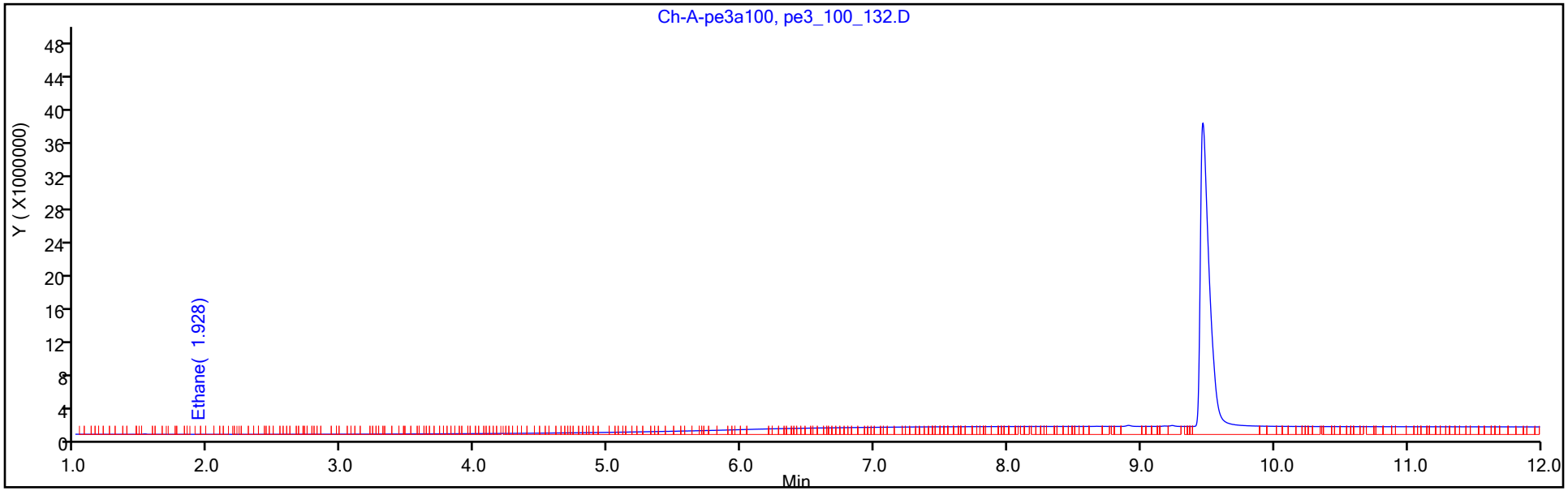
Report Date: 25-Sep-2024 14:56:44 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

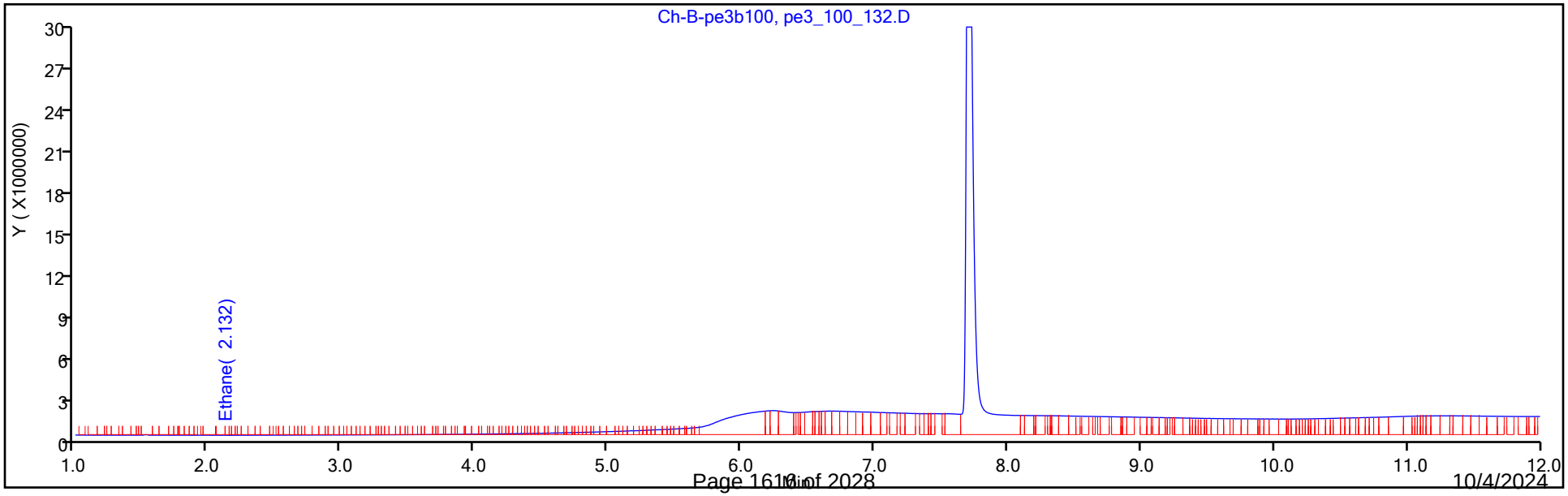
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_132.D

Injection Date:	25-Sep-2024 12:19:07	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223647-H-1	Lab Sample ID:	480-223647-1	Worklist Smp#:	10
Client ID:	GW-13D-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-27D-09232024 | Lab Sample ID: 480-223647-2

Matrix: Water | Lab File ID: pe3_100_133.D

Analysis Method: RSK-175 | Date Collected: 09/23/2024 13:20

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 12:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_133.D				
Lims ID:	480-223647-E-2				
Client ID:	GW-M-27D-09232024				
Sample Type:	Client				
Inject. Date:	25-Sep-2024 12:46:43	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	tchrom	Instrument ID:	PE-03		
Method:	\\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m				
Limit Group:	GC - RSK175 ICAL				
Last Update:	25-Sep-2024 14:56:00	Calib Date:	25-Jun-2024 14:09:01		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D				
Column 1 :	Alumina (0.00 mm)		Det: Ch-A-21a09074		
Column 2 :	RTX-U Plot (0.32 mm)		Det: Ch-B-21b09074		
Process Host:	CTX1607				

First Level Reviewer: RH3X Date: 25-Sep-2024 13:30:27

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.945	1.947	-0.002	34155	-0.2160	
2	2.125	2.143	-0.018	42042	1.79	

QC Flag Legend

Processing Flags

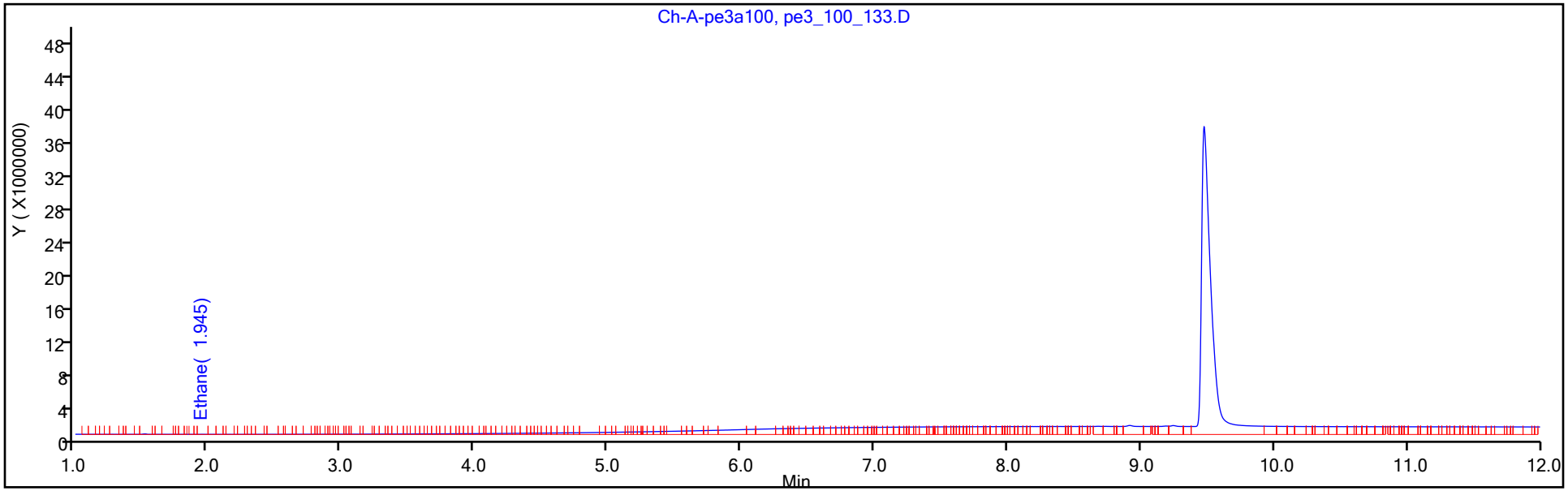
Report Date: 25-Sep-2024 14:56:45 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

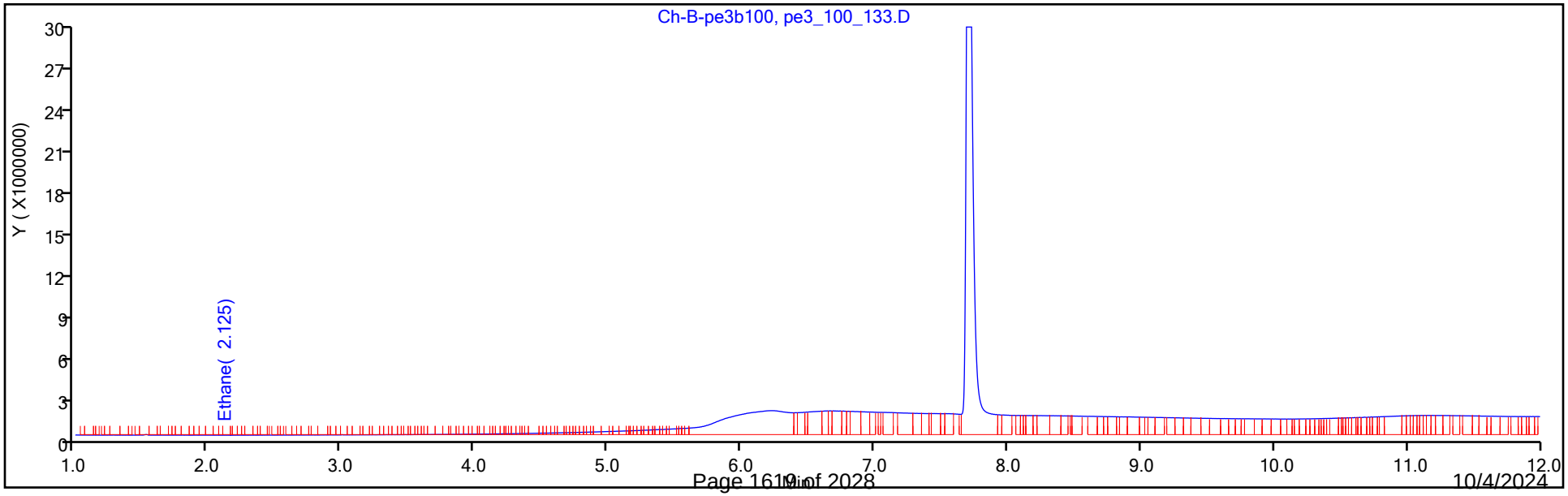
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_133.D

Injection Date:	25-Sep-2024 12:46:43	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223647-E-2	Lab Sample ID:	480-223647-2	Worklist Smp#:	11
Client ID:	GW-M-27D-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024 | Lab Sample ID: 480-223647-3

Matrix: Water | Lab File ID: pe3_100_134.D

Analysis Method: RSK-175 | Date Collected: 09/23/2024 14:15

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 13:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_134.D
Lims ID: 480-223647-F-3
Client ID: SW-B-09232024
Sample Type: Client
Inject. Date: 25-Sep-2024 13:05:38 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:00 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Methane						
1	1.527	1.525	0.002	2000977	5.28	
2	1.535	1.535	0.000	1570822	5.75	
2 Ethane						
1	1.933	1.947	-0.014	6751	-0.2891	
2	2.133	2.143	-0.010	29714	1.76	
3 Ethylene						
1	2.667	2.665	0.002	11200	-0.1747	
2	2.016	2.019	-0.003	19221	1.70	

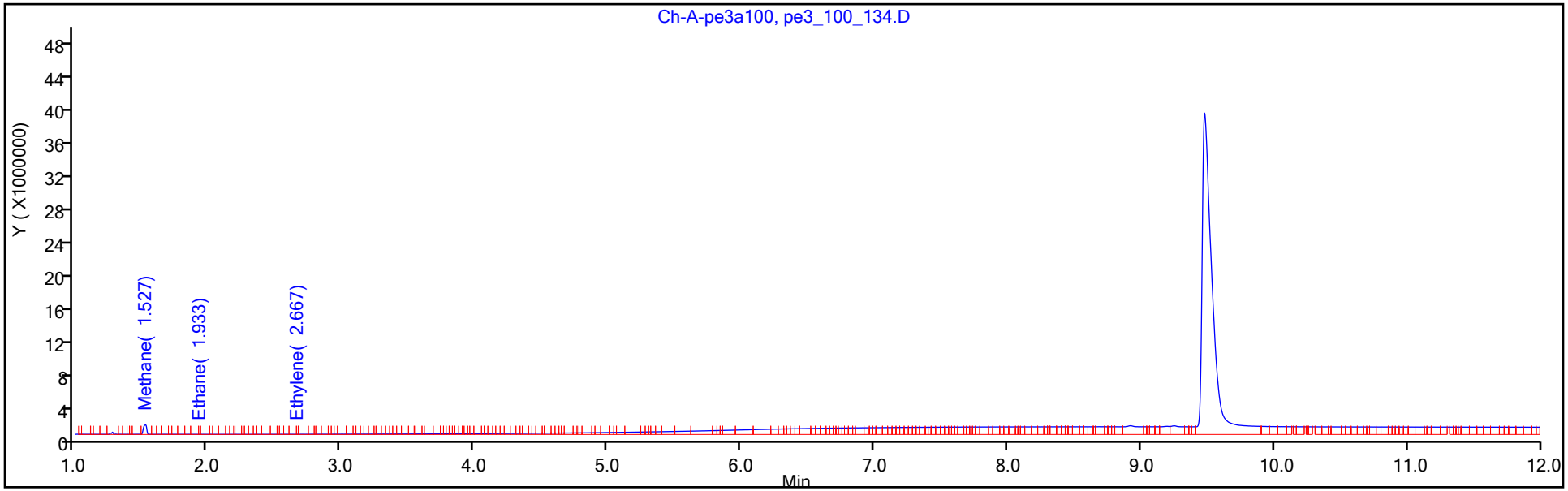
Report Date: 25-Sep-2024 14:56:47 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

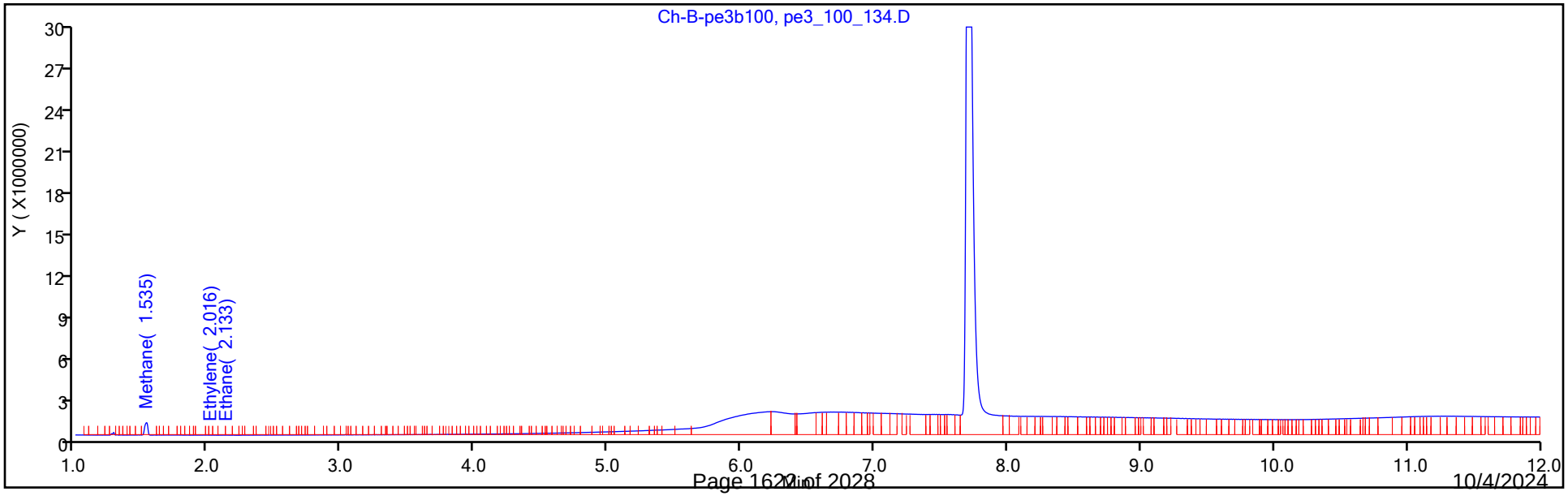
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_134.D

Injection Date:	25-Sep-2024 13:05:38	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223647-F-3	Lab Sample ID:	480-223647-3	Worklist Smp#:	12
Client ID:	SW-B-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: FD-1-09232024 | Lab Sample ID: 480-223647-4

Matrix: Water | Lab File ID: pe3_100_135.D

Analysis Method: RSK-175 | Date Collected: 09/23/2024 00:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 13:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_135.D
Lims ID: 480-223647-D-4
Client ID: FD-1-09232024
Sample Type: Client
Inject. Date: 25-Sep-2024 13:24:30 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:00 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.979	1.947	0.032	17186	-0.2613	
2	2.155	2.143	0.012	20455	1.73	

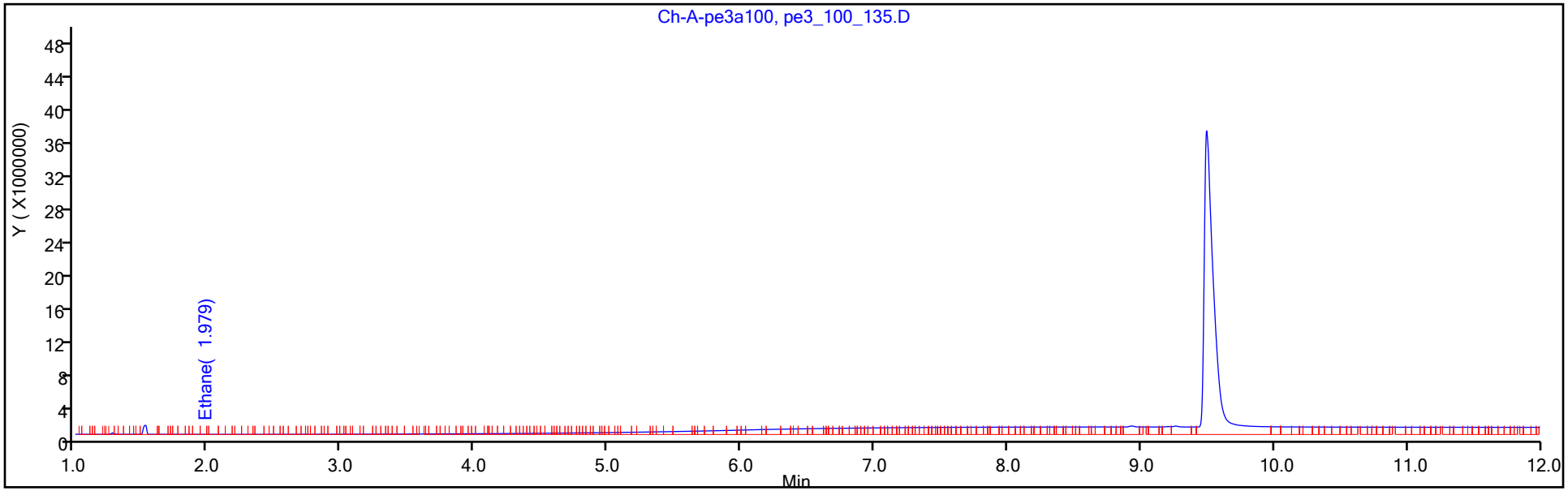
Report Date: 25-Sep-2024 14:56:49 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

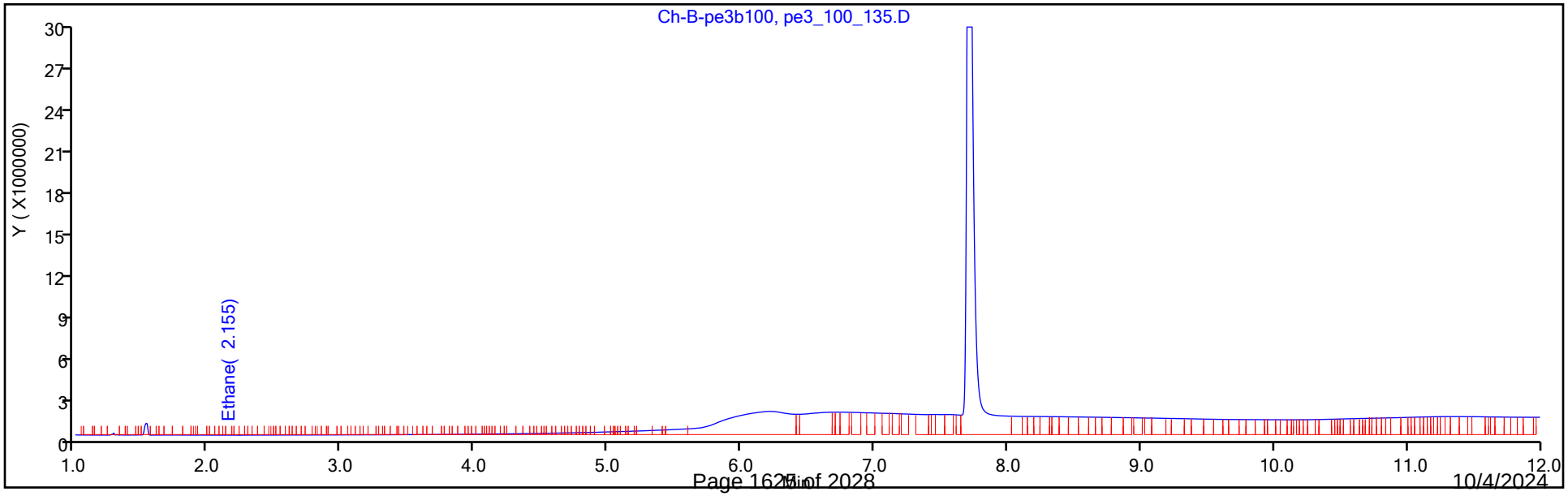
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_135.D

Injection Date:	25-Sep-2024 13:24:30	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223647-D-4	Lab Sample ID:	480-223647-4	Worklist Smp#:	13
Client ID:	FD-1-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-A-09232024 | Lab Sample ID: 480-223647-6

Matrix: Water | Lab File ID: pe3_100_136.D

Analysis Method: RSK-175 | Date Collected: 09/23/2024 14:45

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 13:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_136.D
Lims ID: 480-223647-D-6
Client ID: SW-A-09232024
Sample Type: Client
Inject. Date: 25-Sep-2024 13:43:22 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:00 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.937	1.947	-0.010	8619	-0.2841	
2	2.136	2.143	-0.007	19834	1.73	

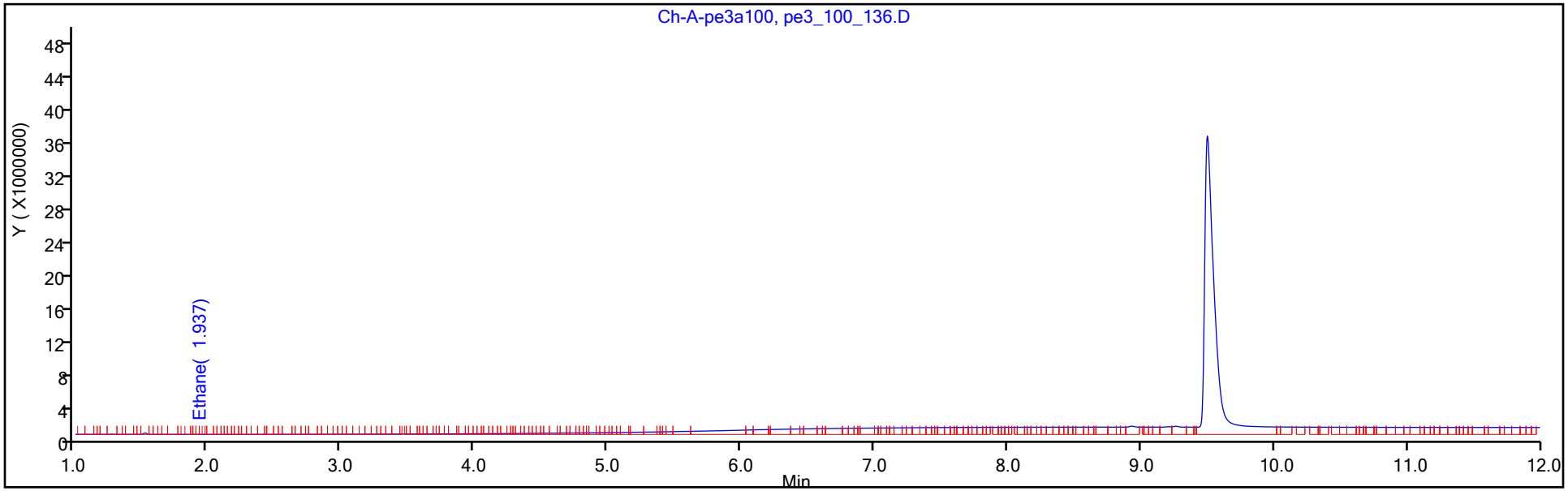
Report Date: 25-Sep-2024 14:56:51 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

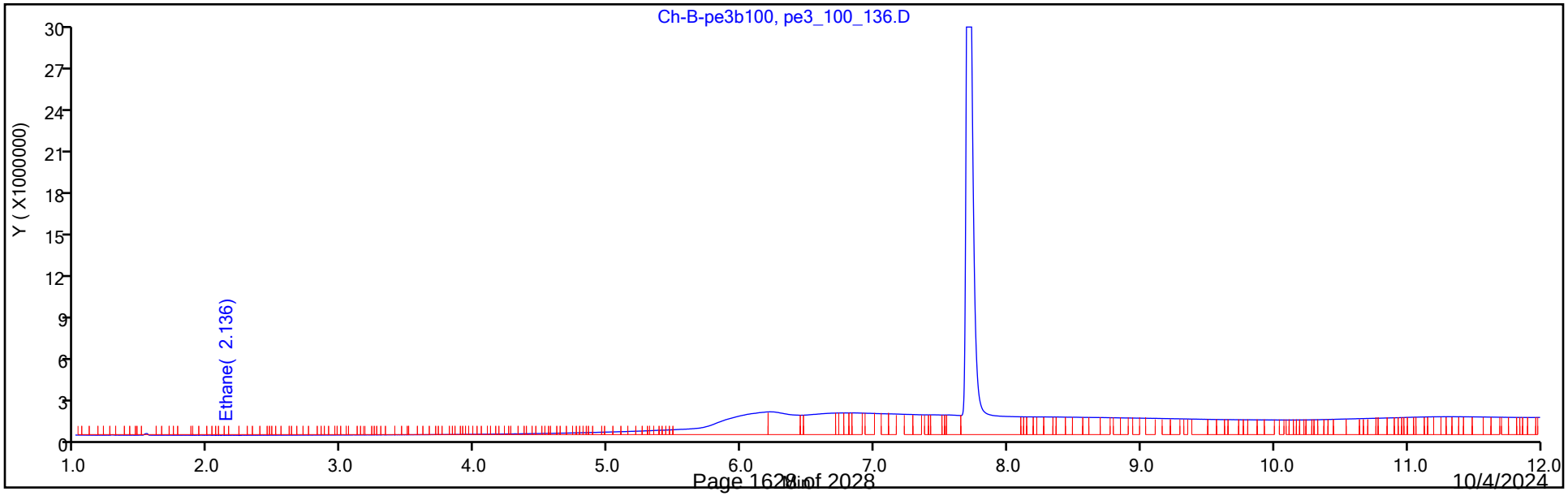
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_136.D

Injection Date:	25-Sep-2024 13:43:22	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223647-D-6	Lab Sample ID:	480-223647-6	Worklist Smp#:	14
Client ID:	SW-A-09232024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26S-09242024 | Lab Sample ID: 480-223692-1

Matrix: Water | Lab File ID: pe3_100_146.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 10:50

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 13:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_146.D
Lims ID: 480-223692-A-1
Client ID: GW-M-26S-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 13:00:59 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 26-Sep-2024 13:42:42

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.955	1.957	-0.002	50779	-0.1717	
2	2.167	2.141	0.026	3992	1.68	

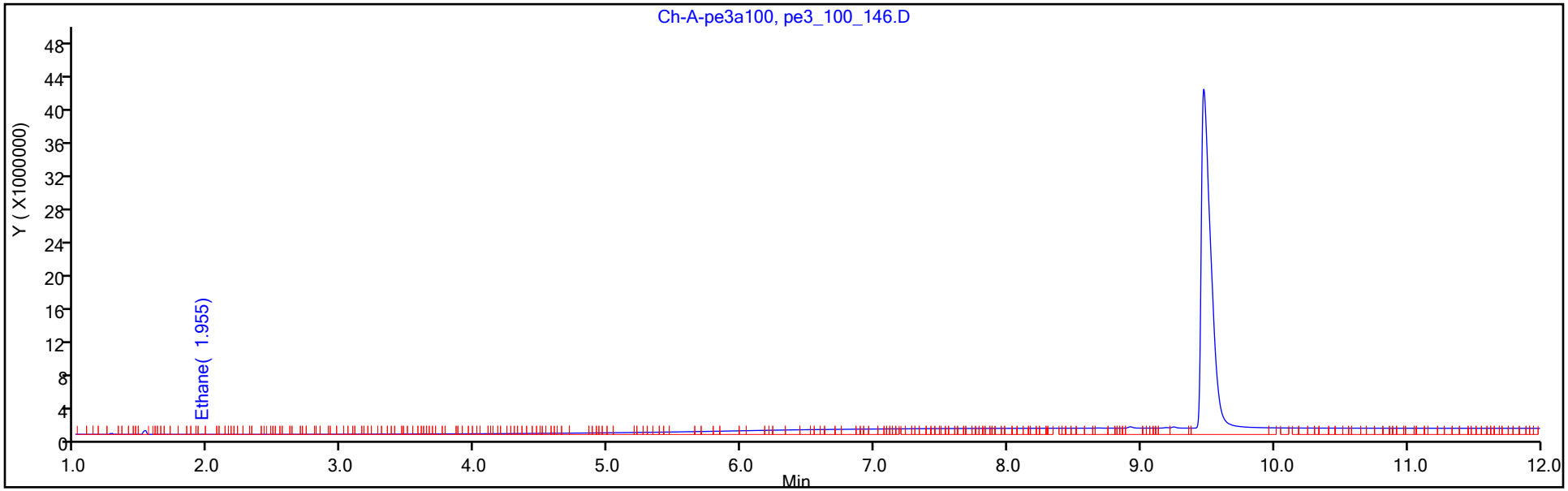
Report Date: 27-Sep-2024 06:05:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

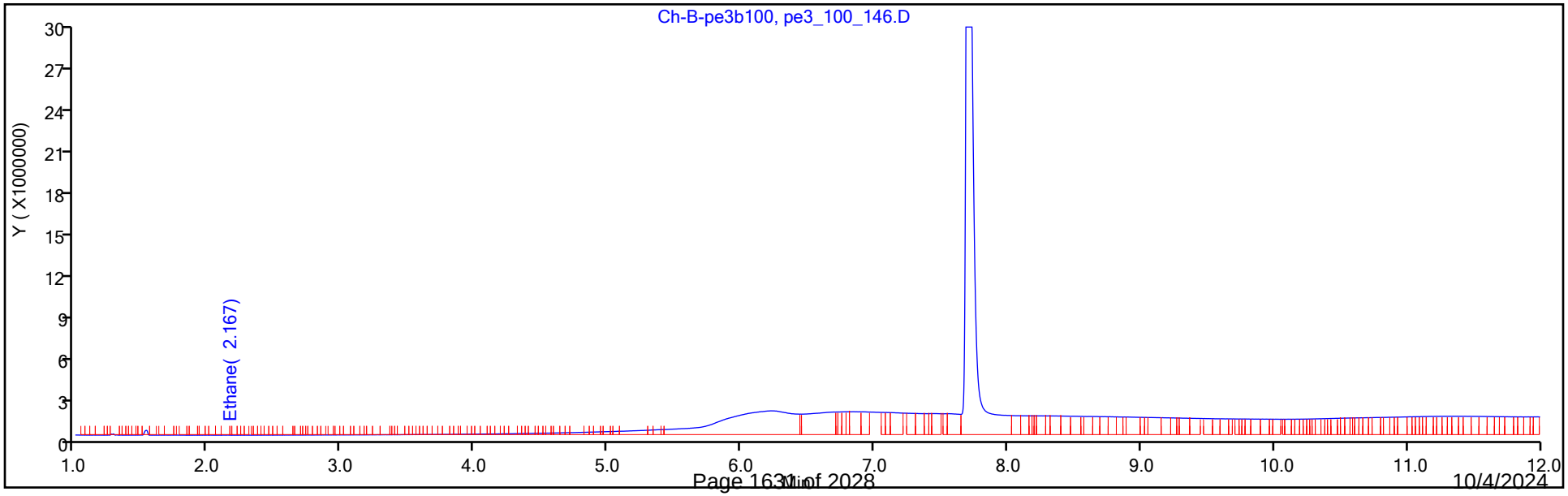
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_146.D

Injection Date:	26-Sep-2024 13:00:59	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-1	Lab Sample ID:	480-223692-1	Worklist Smp#:	7
Client ID:	GW-M-26S-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26D-09242024 | Lab Sample ID: 480-223692-2

Matrix: Water | Lab File ID: pe3_100_147.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 11:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 13:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_147.D
Lims ID: 480-223692-A-2
Client ID: GW-M-26D-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 13:19:54 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.972	1.957	0.015	4311	-0.2956	
2	2.136	2.141	-0.005	16198	1.72	

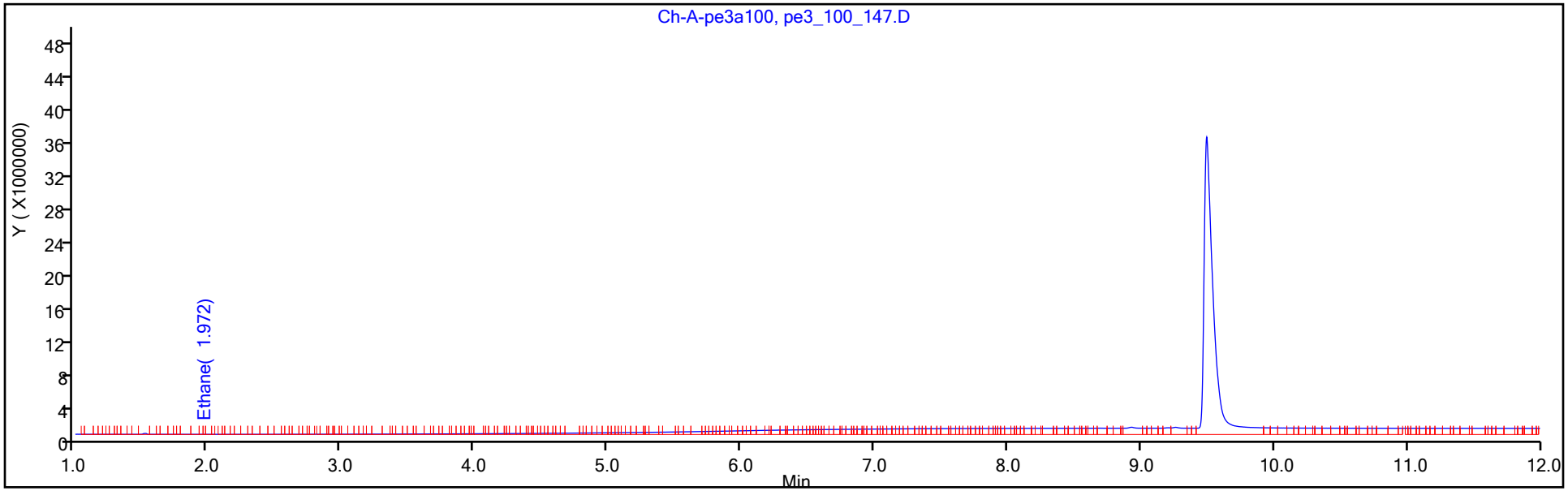
Report Date: 27-Sep-2024 06:05:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

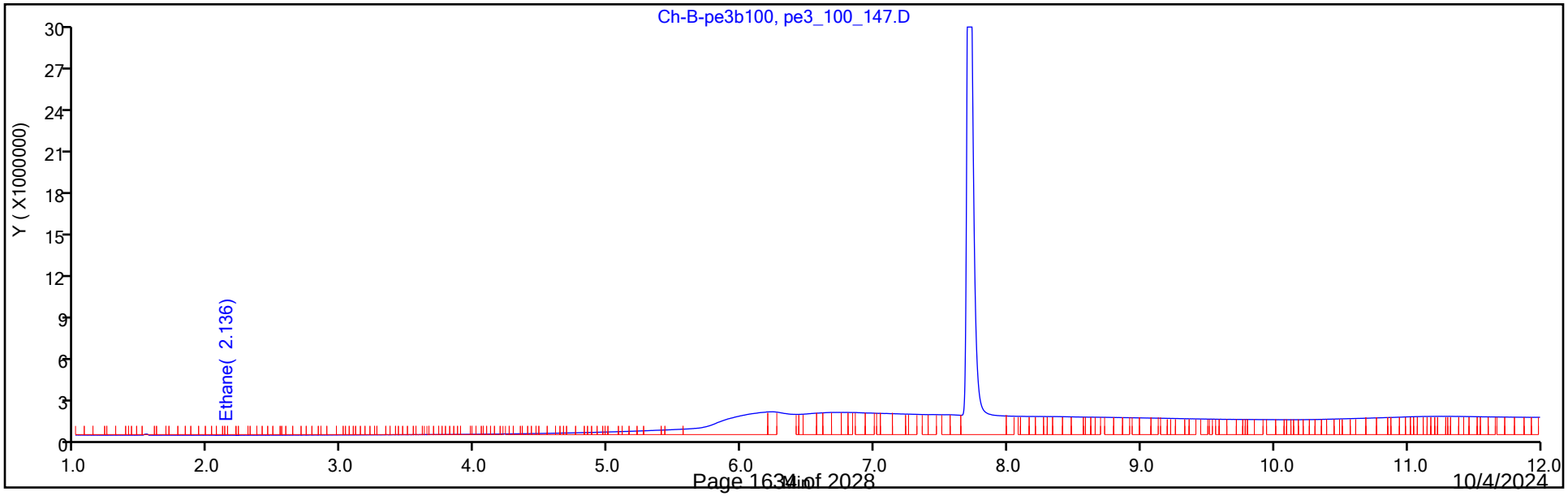
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_147.D

Injection Date:	26-Sep-2024 13:19:54	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-2	Lab Sample ID:	480-223692-2	Worklist Smp#:	8
Client ID:	GW-M-26D-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-11D-09242024 | Lab Sample ID: 480-223692-3

Matrix: Water | Lab File ID: pe3_100_148.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 12:05

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 13:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_148.D
Lims ID: 480-223692-A-3
Client ID: GW-M-11D-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 13:38:46 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.949	1.957	-0.008	13139	-0.2721	
2	2.139	2.141	-0.002	63815	1.86	

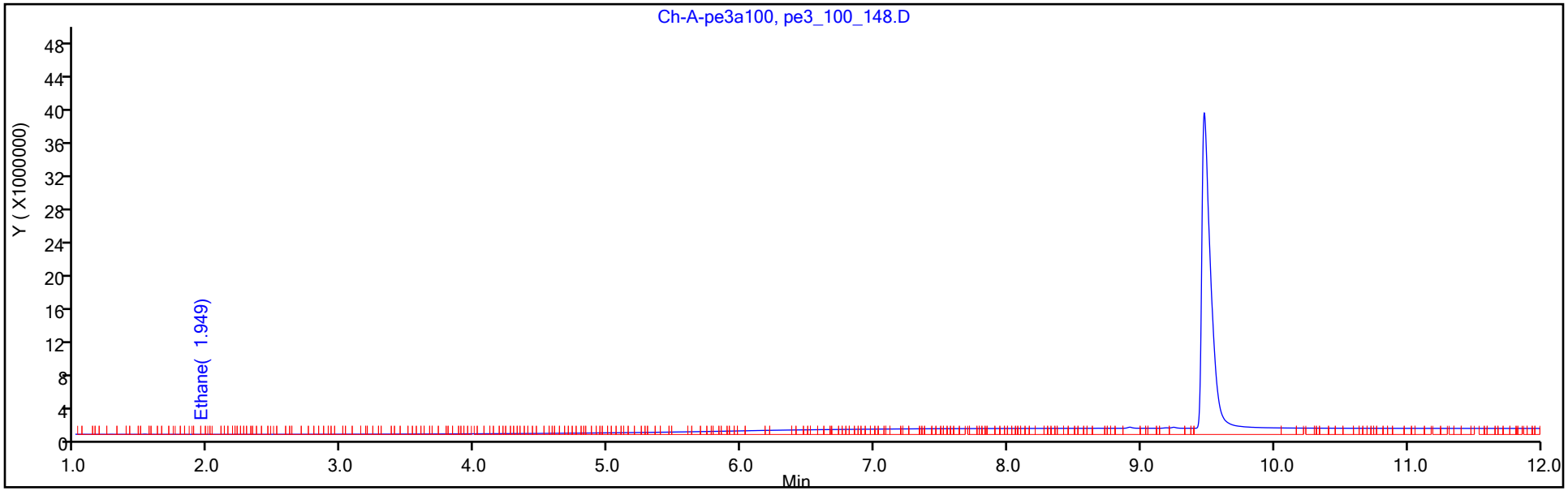
Report Date: 27-Sep-2024 06:05:36 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

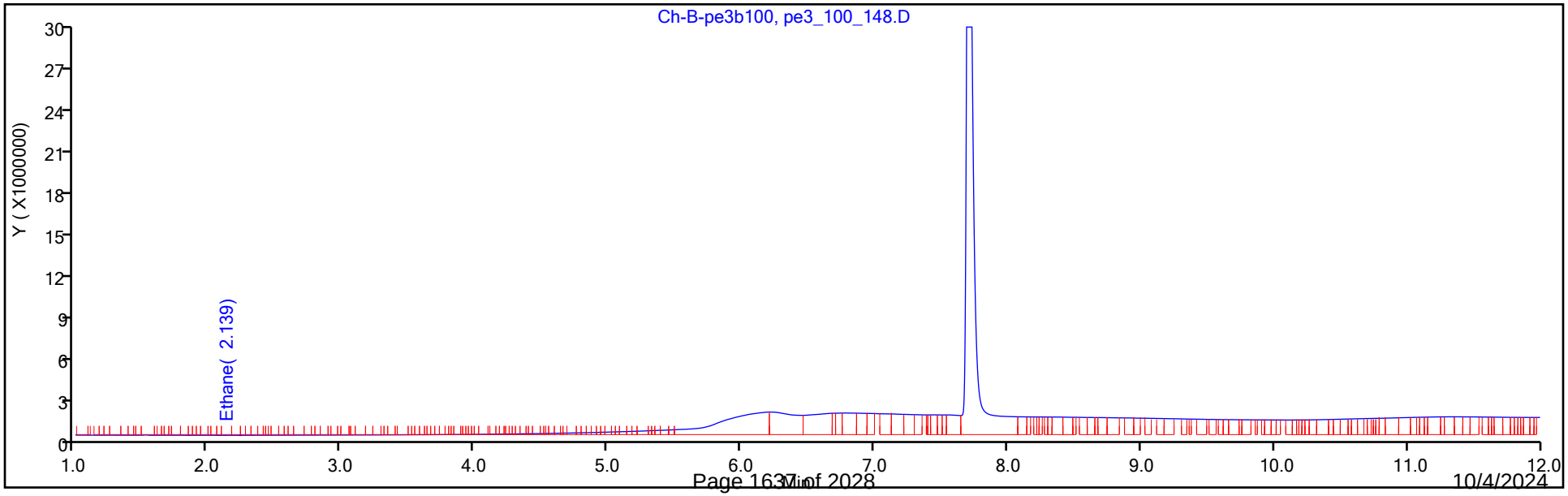
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_148.D

Injection Date:	26-Sep-2024 13:38:46	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-3	Lab Sample ID:	480-223692-3	Worklist Smp#:	9
Client ID:	GW-M-11D-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-MW-1-09242024 | Lab Sample ID: 480-223692-4

Matrix: Water | Lab File ID: pe3_100_149.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 13:30

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 13:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_149.D
Lims ID: 480-223692-A-4
Client ID: GW-MW-1-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 13:57:37 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.948	1.957	-0.009	22605	-0.2468	
2	2.135	2.141	-0.006	44314	1.80	

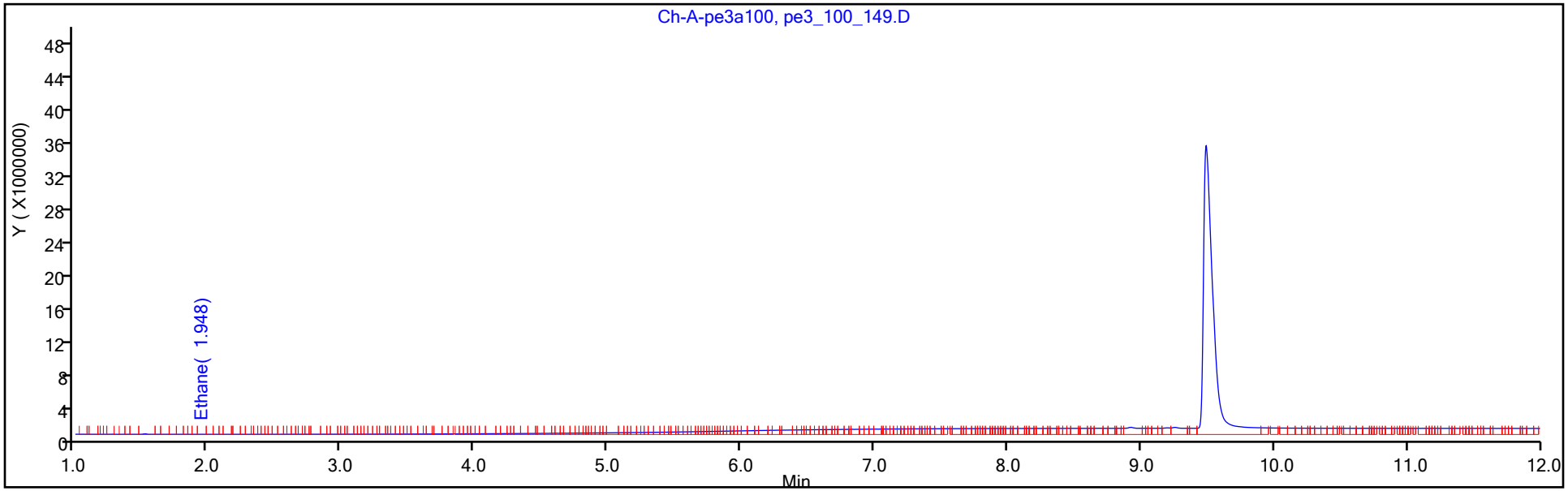
Report Date: 27-Sep-2024 06:05:37 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

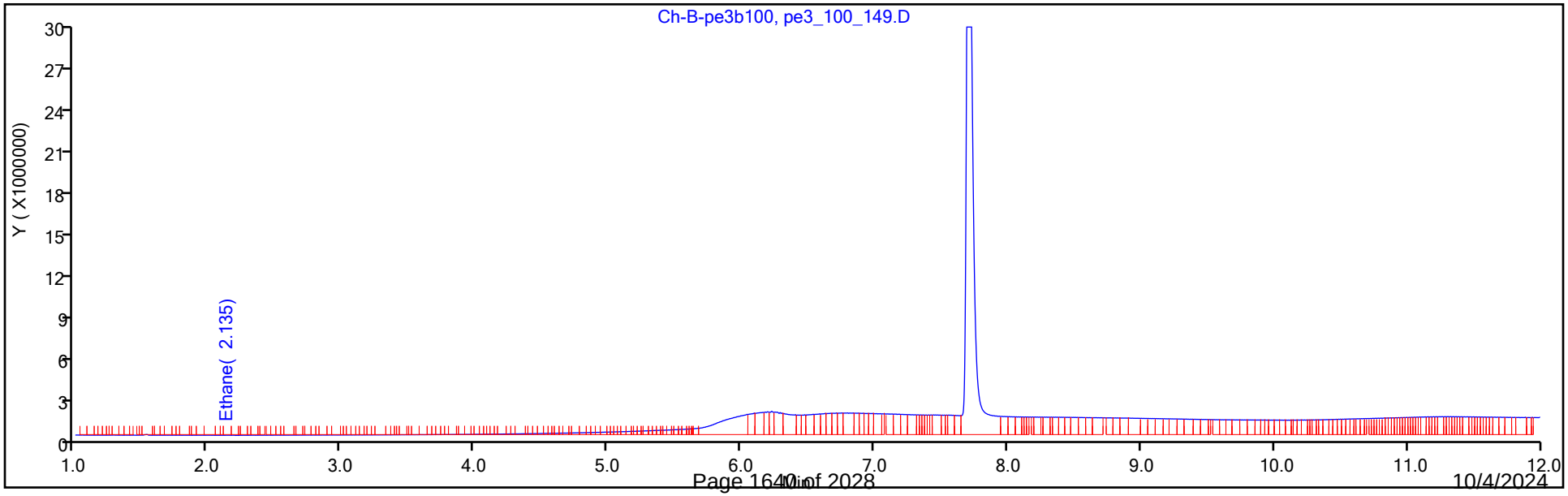
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_149.D

Injection Date:	26-Sep-2024 13:57:37	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-4	Lab Sample ID:	480-223692-4	Worklist Smp#:	10
Client ID:	GW-MW-1-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-MW-4-09242024 | Lab Sample ID: 480-223692-5

Matrix: Water | Lab File ID: pe3_100_150.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 13:30

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 14:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_150.D
Lims ID: 480-223692-A-5
Client ID: GW-MW-4-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 14:16:29 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.945	1.957	-0.012	58354	-0.1515	
2	2.149	2.141	0.008	67905	1.87	

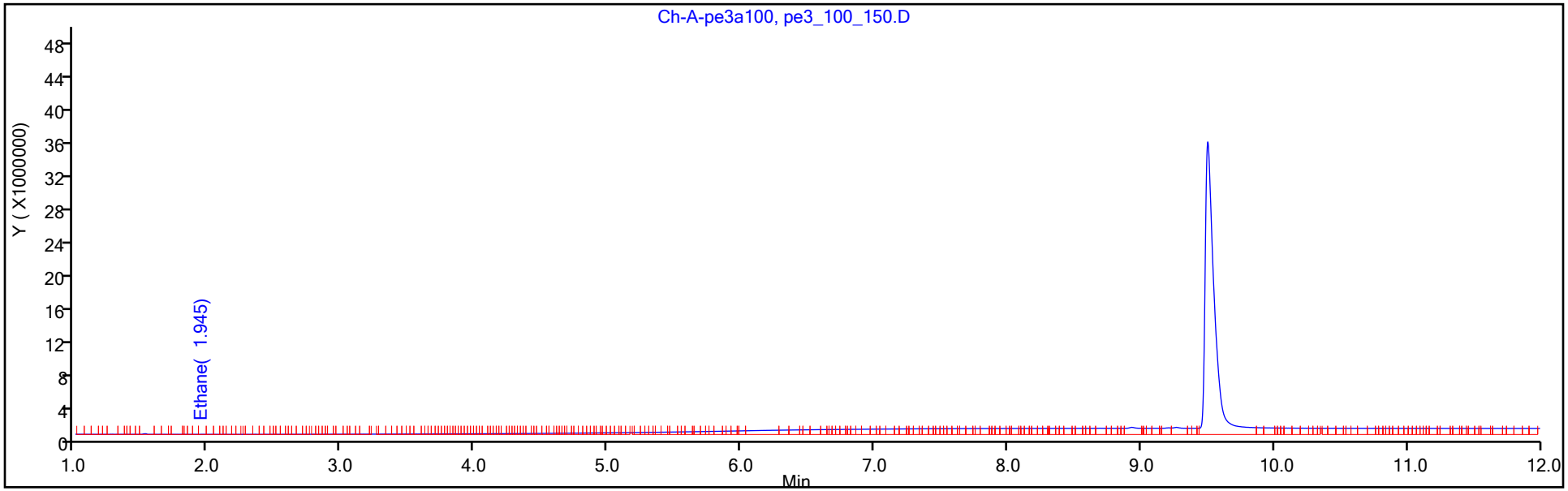
Report Date: 27-Sep-2024 06:05:38 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

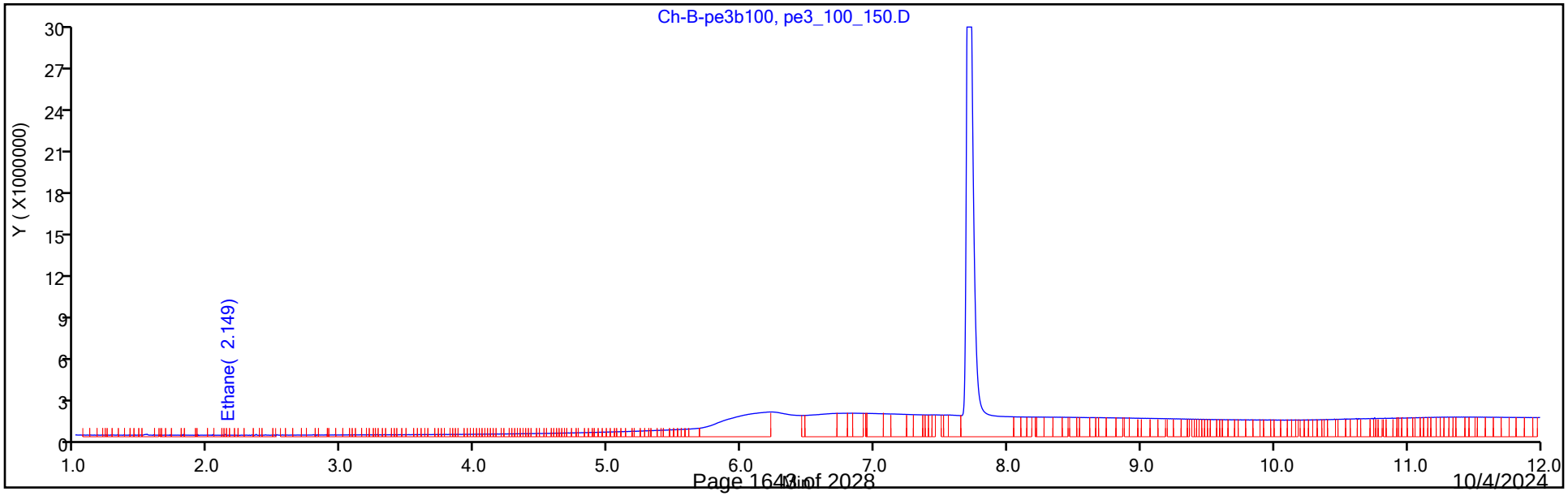
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_150.D

Injection Date:	26-Sep-2024 14:16:29	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-5	Lab Sample ID:	480-223692-5	Worklist Smp#:	11
Client ID:	GW-MW-4-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: FD-2-09242024 | Lab Sample ID: 480-223692-6

Matrix: Water | Lab File ID: pe3_100_151.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 00:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 14:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_151.D
Lims ID: 480-223692-A-6
Client ID: FD-2-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 14:35:21 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.947	1.957	-0.010	40262	-0.1998	
2	2.121	2.141	-0.020	115146	2.02	

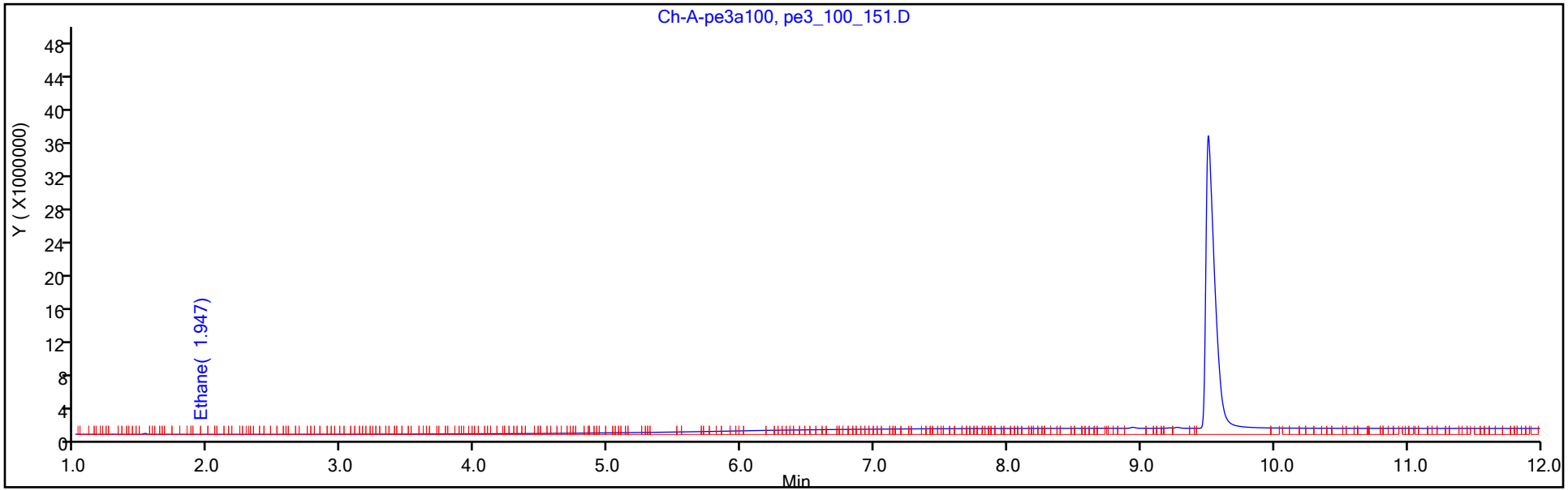
Report Date: 27-Sep-2024 06:05:39 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

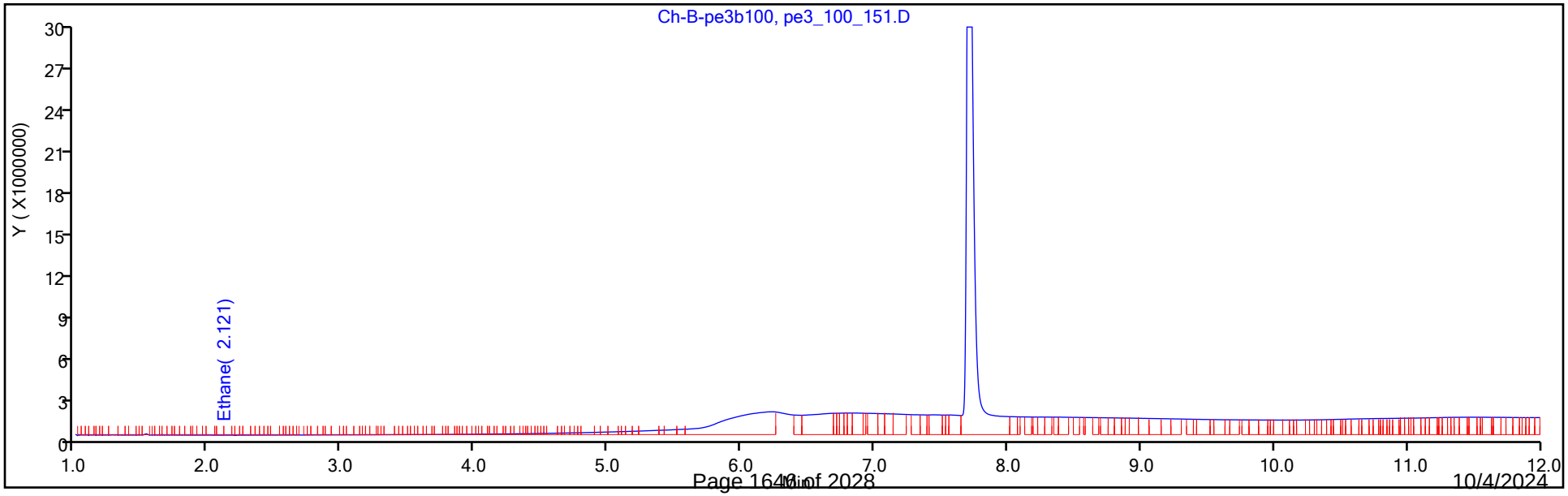
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_151.D

Injection Date:	26-Sep-2024 14:35:21	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-6	Lab Sample ID:	480-223692-6	Worklist Smp#:	12
Client ID:	FD-2-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-G-09242024 | Lab Sample ID: 480-223692-7

Matrix: Water | Lab File ID: pe3_100_152.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 14:10

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 14:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_152.D
Lims ID: 480-223692-A-7
Client ID: SW-G-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 14:54:12 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.959	1.957	0.002	19346	-0.2555	
2	2.127	2.141	-0.014	14973	1.71	

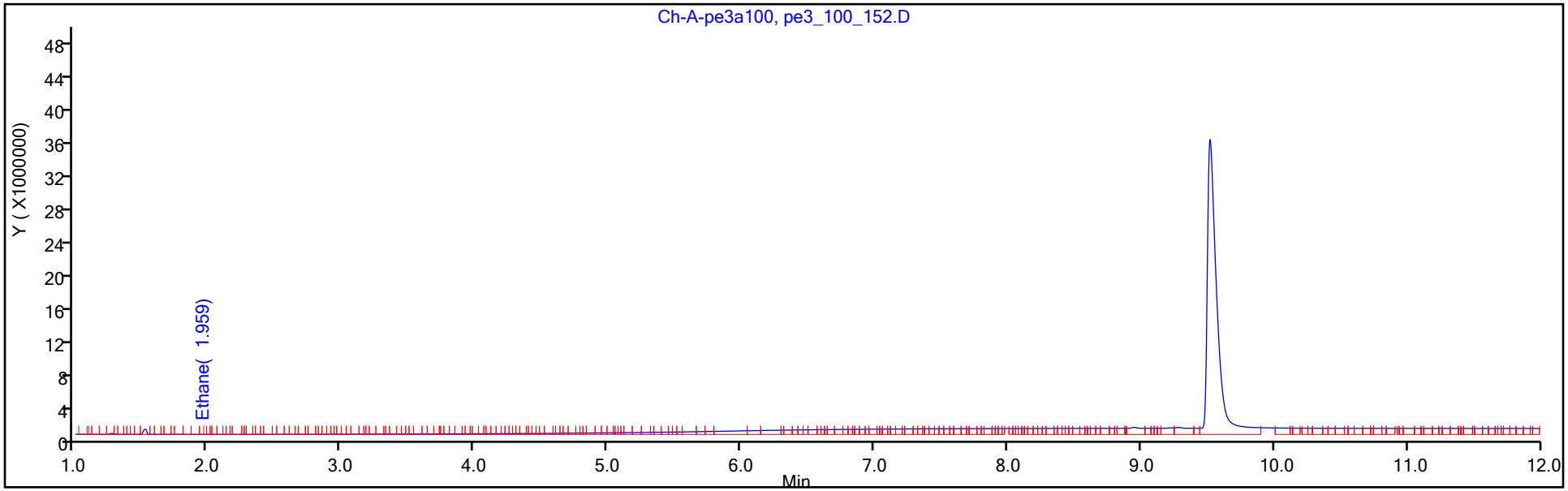
Report Date: 27-Sep-2024 06:05:40 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

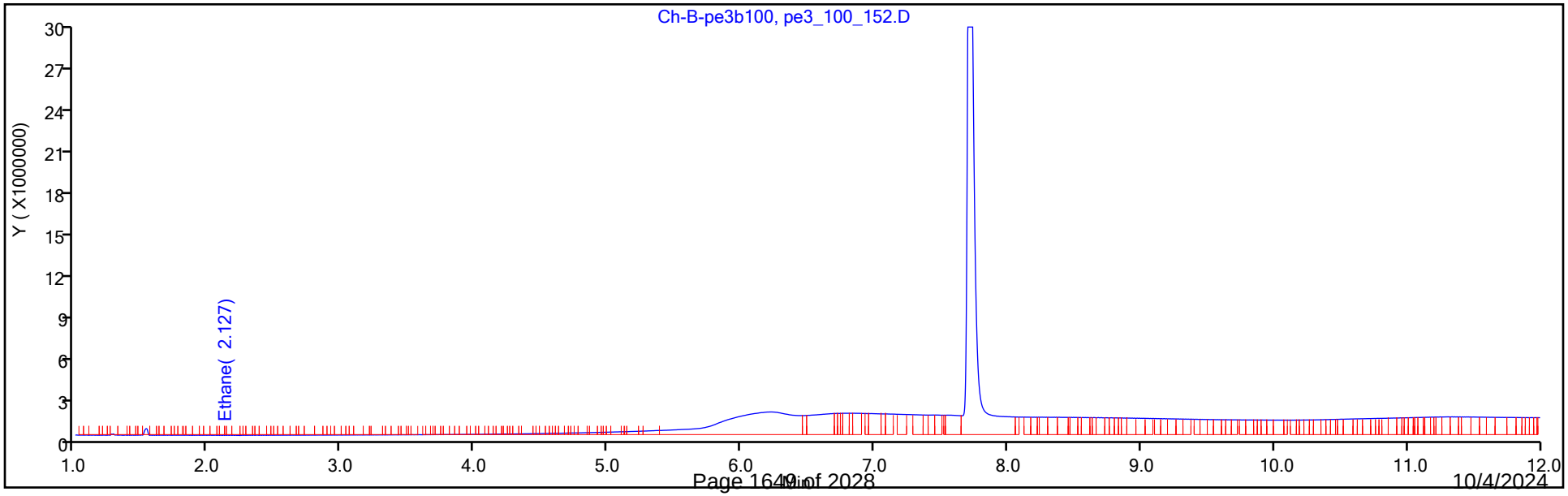
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_152.D

Injection Date:	26-Sep-2024 14:54:12	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-7	Lab Sample ID:	480-223692-7	Worklist Smp#:	13
Client ID:	SW-G-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-F-09242024 | Lab Sample ID: 480-223692-8

Matrix: Water | Lab File ID: pe3_100_153.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 14:30

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 15:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_153.D
Lims ID: 480-223692-A-8
Client ID: SW-F-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 15:13:04 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.973	1.957	0.016	16955	-0.2619	
2	2.148	2.141	0.007	87634	1.93	

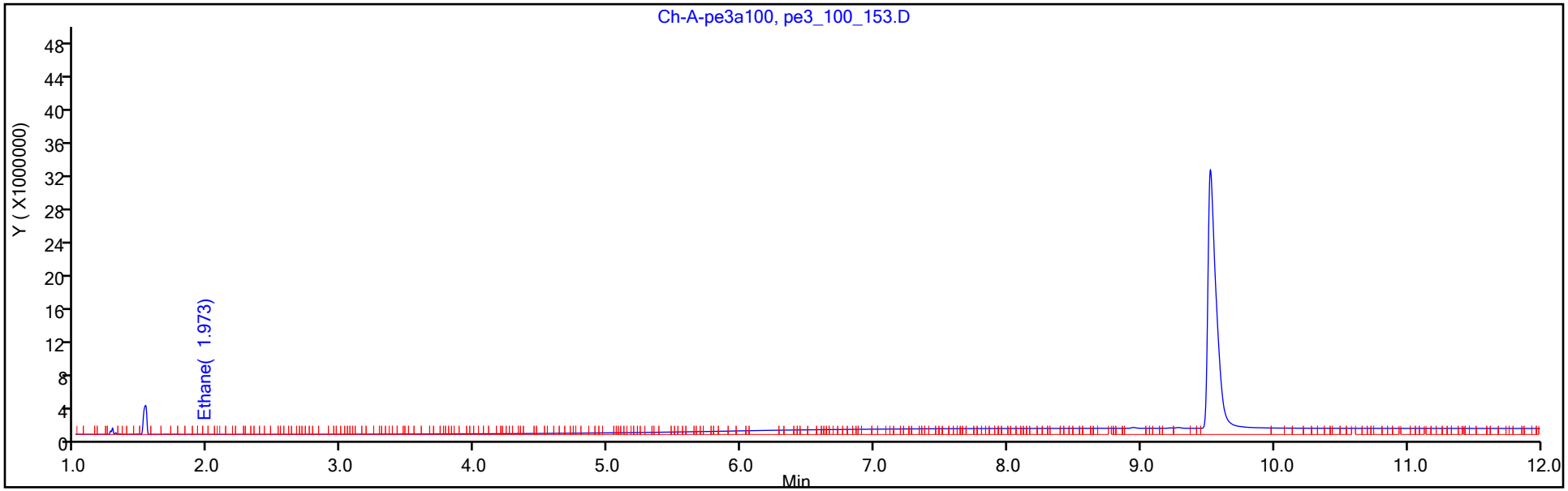
Report Date: 27-Sep-2024 06:05:40 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

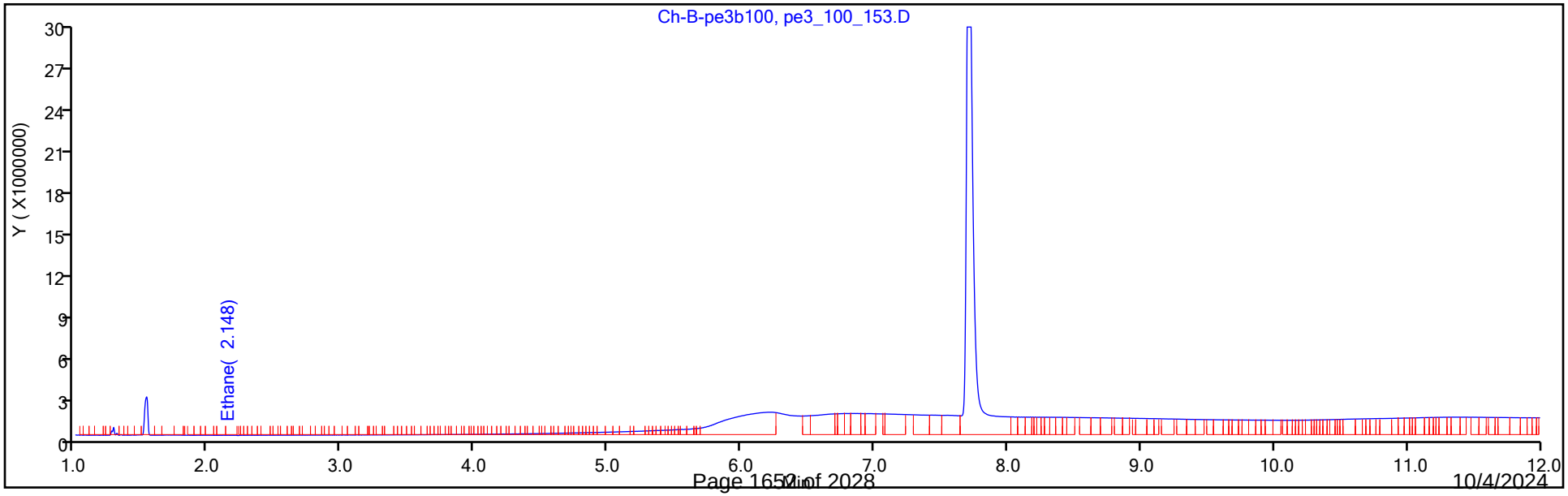
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_153.D

Injection Date:	26-Sep-2024 15:13:04	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-8	Lab Sample ID:	480-223692-8	Worklist Smp#:	14
Client ID:	SW-F-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-E-09242024 | Lab Sample ID: 480-223692-9

Matrix: Water | Lab File ID: pe3_100_154.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 14:55

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 15:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_154.D
Lims ID: 480-223692-A-9
Client ID: SW-E-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 15:31:56 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.940	1.957	-0.017	14804	-0.2676	
2	2.149	2.141	0.008	64222	1.86	

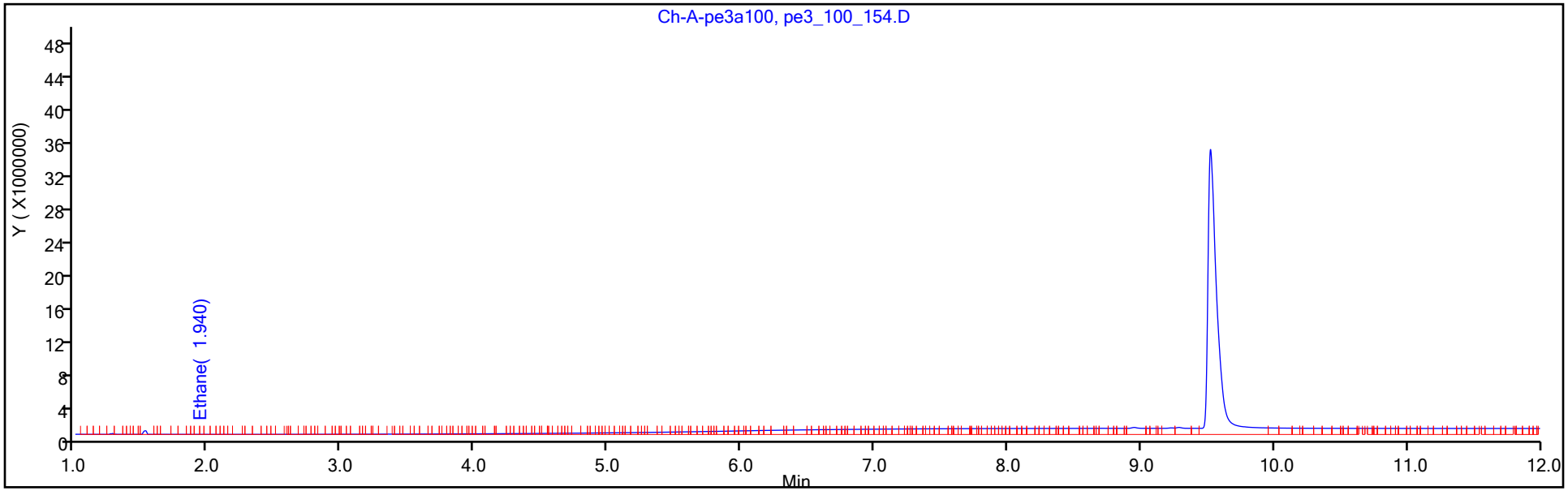
Report Date: 27-Sep-2024 06:05:41 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

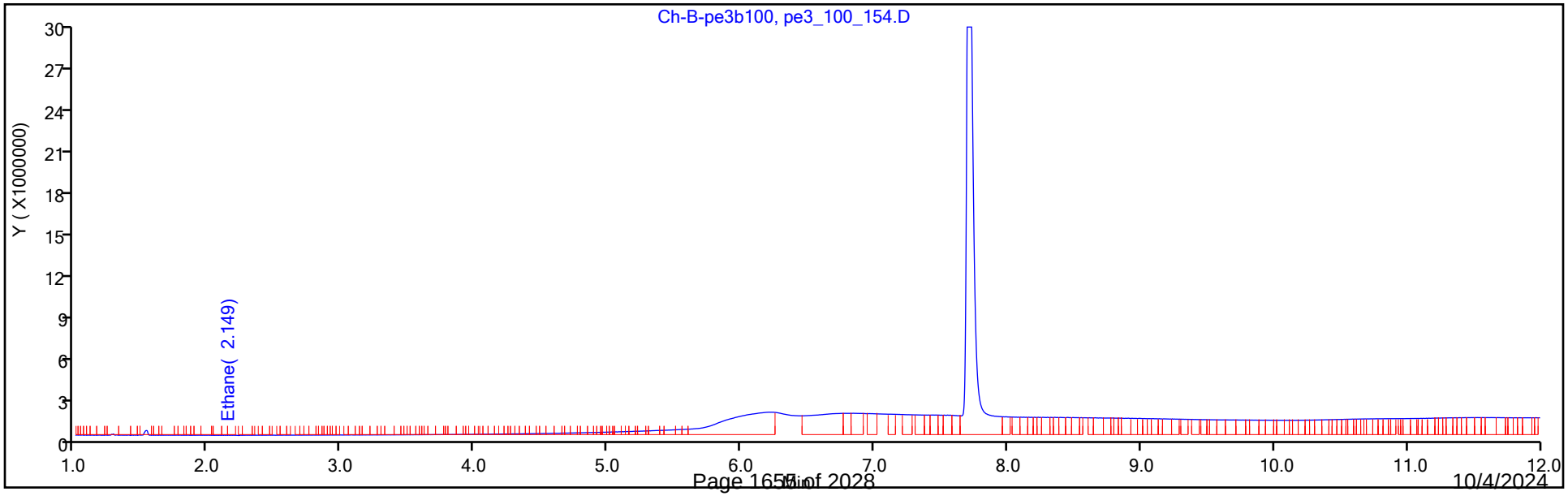
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_154.D

Injection Date:	26-Sep-2024 15:31:56	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-9	Lab Sample ID:	480-223692-9	Worklist Smp#:	15
Client ID:	SW-E-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-1-09242024 | Lab Sample ID: 480-223692-10

Matrix: Water | Lab File ID: pe3_100_155.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 15:55

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 15:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_155.D
Lims ID: 480-223692-A-10
Client ID: EB-1-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 15:50:47 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.949	1.957	-0.008	22213	-0.2479	
2	2.128	2.141	-0.013	33046	1.77	

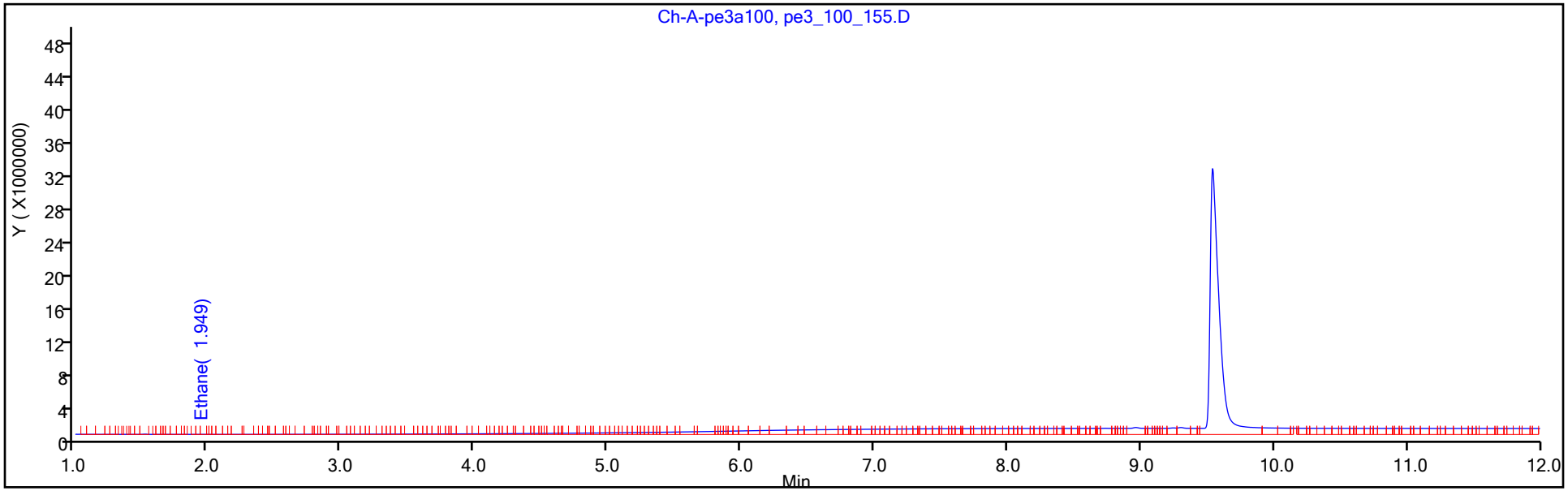
Report Date: 27-Sep-2024 06:05:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

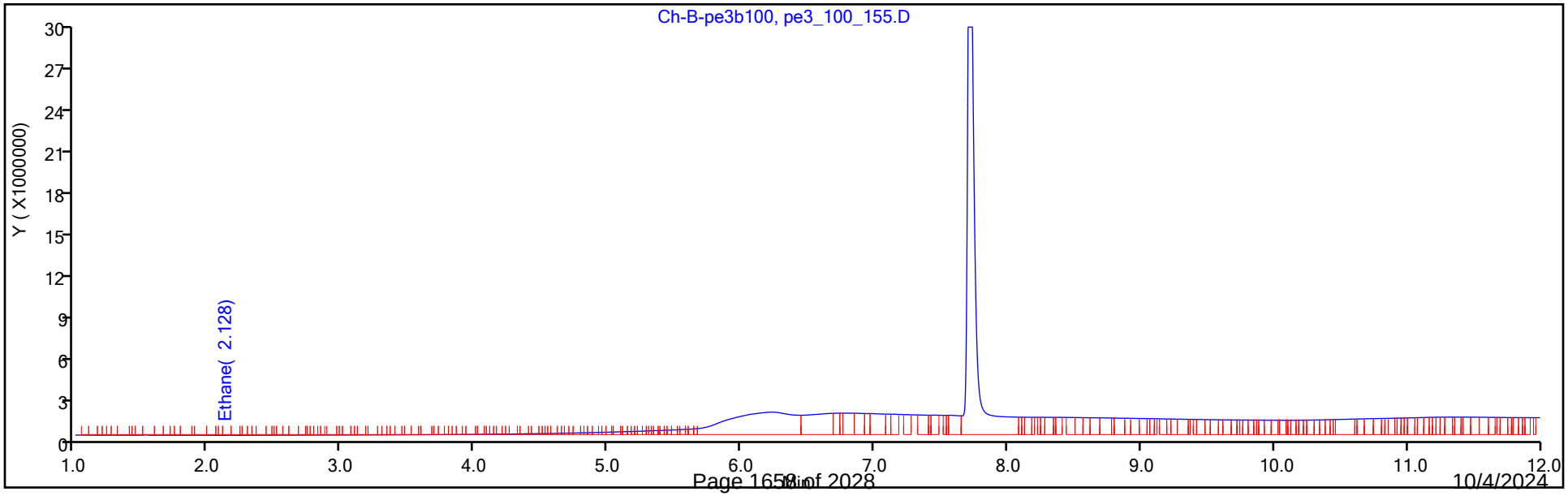
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_155.D

Injection Date:	26-Sep-2024 15:50:47	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-10	Lab Sample ID:	480-223692-10	Worklist Smp#:	16
Client ID:	EB-1-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: TB-2-09242024 | Lab Sample ID: 480-223692-11

Matrix: Water | Lab File ID: pe3_100_156.D

Analysis Method: RSK-175 | Date Collected: 09/24/2024 00:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 16:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_156.D
Lims ID: 480-223692-A-11
Client ID: TB-2-09242024
Sample Type: Client
Inject. Date: 26-Sep-2024 16:09:39 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 27-Sep-2024 06:04:13

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.951	1.957	-0.006	12398	-0.2740	
2	2.135	2.141	-0.006	22226	1.73	

QC Flag Legend
Processing Flags

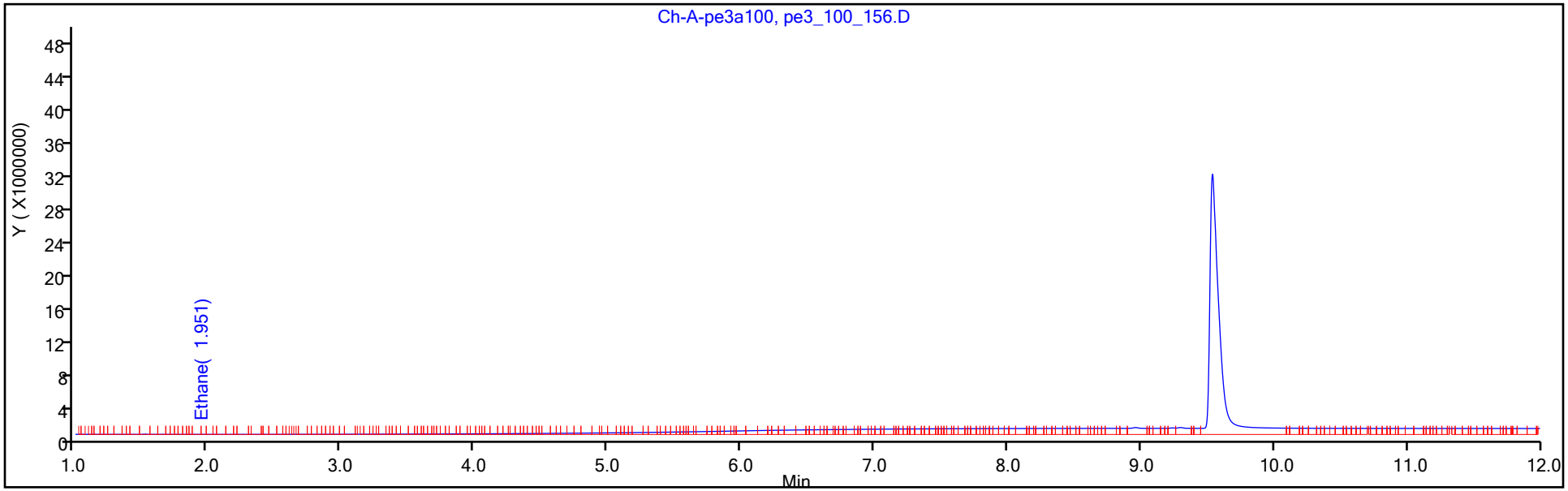
Report Date: 27-Sep-2024 06:05:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

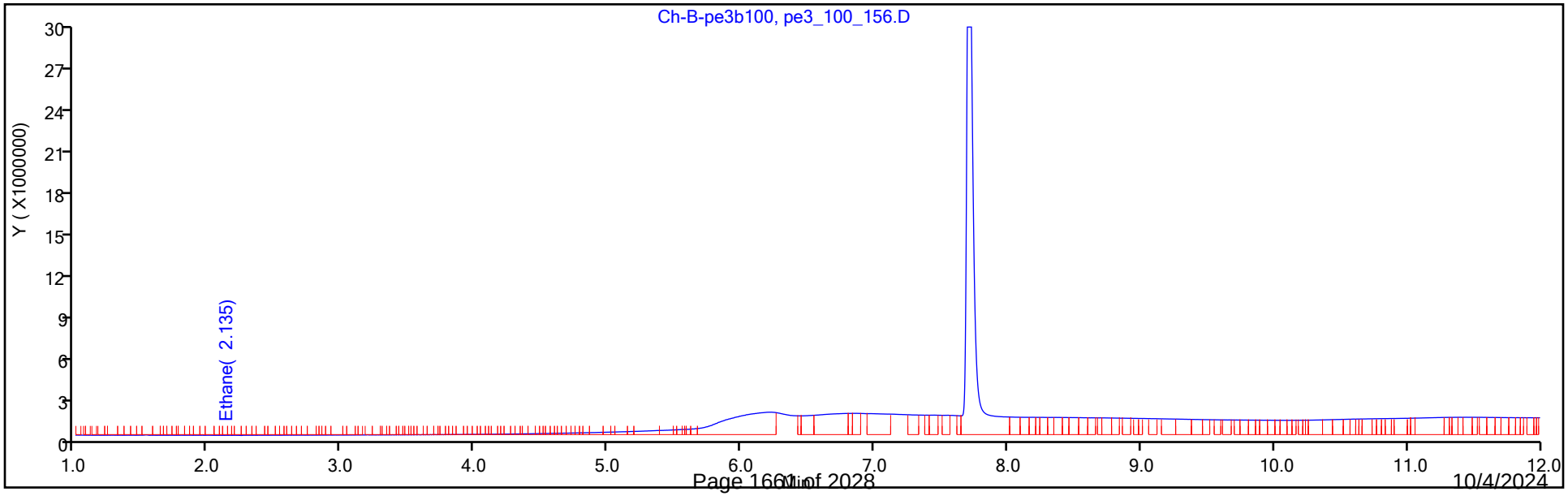
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_156.D

Injection Date:	26-Sep-2024 16:09:39	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223692-A-11	Lab Sample ID:	480-223692-11	Worklist Smp#:	17
Client ID:	TB-2-09242024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-2-09252024 | Lab Sample ID: 480-223755-1

Matrix: Water | Lab File ID: pe3_100_175.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 08:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 13:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_175.D
Lims ID: 480-223755-F-1
Client ID: EB-2-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 13:31:44 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.947	1.941	0.006	18495	-0.2578	
2	2.149	2.143	0.006	21775	1.73	

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-4S-09252024 | Lab Sample ID: 480-223755-2

Matrix: Water | Lab File ID: pe3_100_176.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 09:45

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 13:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_176.D
Lims ID: 480-223755-F-2
Client ID: GW-4S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 13:50:34 ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.960	1.941	0.019	28774	-0.2304	
2	2.149	2.143	0.006	40647	1.79	

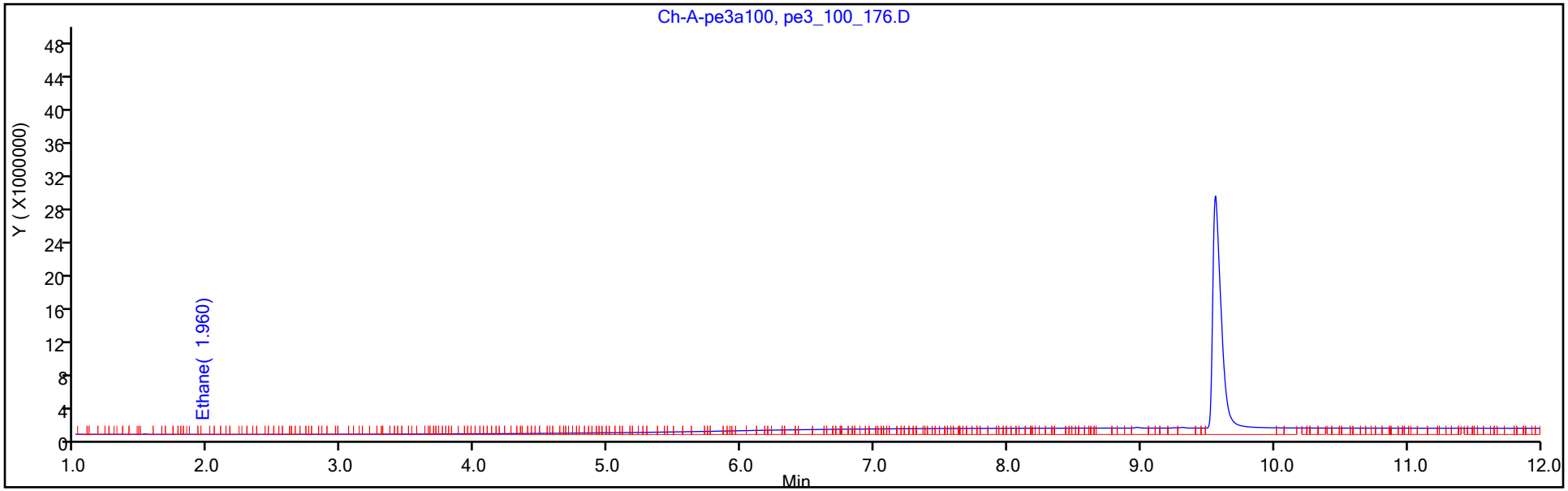
Report Date: 30-Sep-2024 06:34:57 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

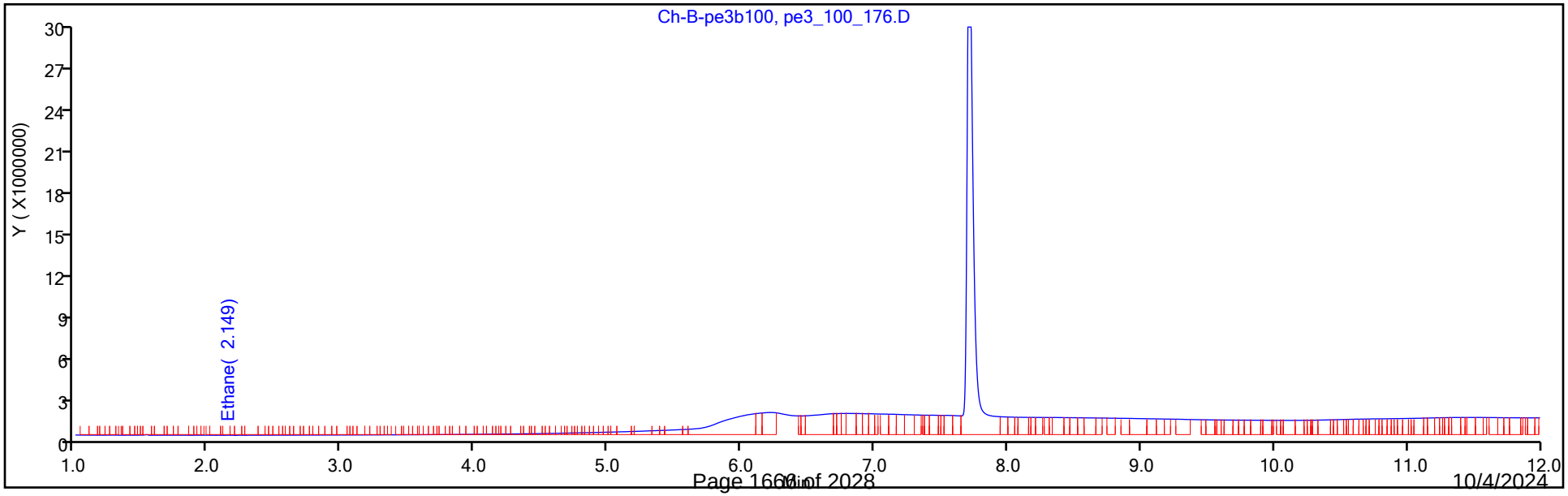
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_176.D

Injection Date:	27-Sep-2024 13:50:34	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-2	Lab Sample ID:	480-223755-2	Worklist Smp#:	19
Client ID:	GW-4S-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-4D-09252024 | Lab Sample ID: 480-223755-3

Matrix: Water | Lab File ID: pe3_100_177.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 09:50

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 14:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_177.D
Lims ID: 480-223755-F-3
Client ID: GW-4D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 14:09:27 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.959	1.941	0.018	17251	-0.2611	
2	2.136	2.143	-0.007	12350	1.70	

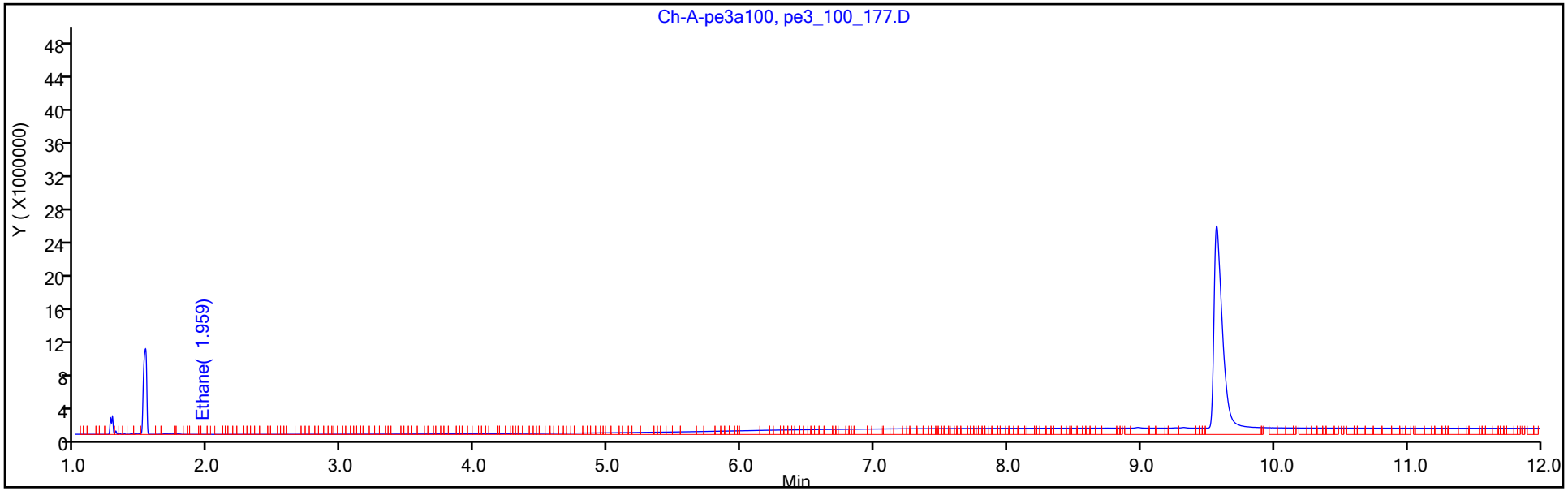
Report Date: 30-Sep-2024 06:34:58 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

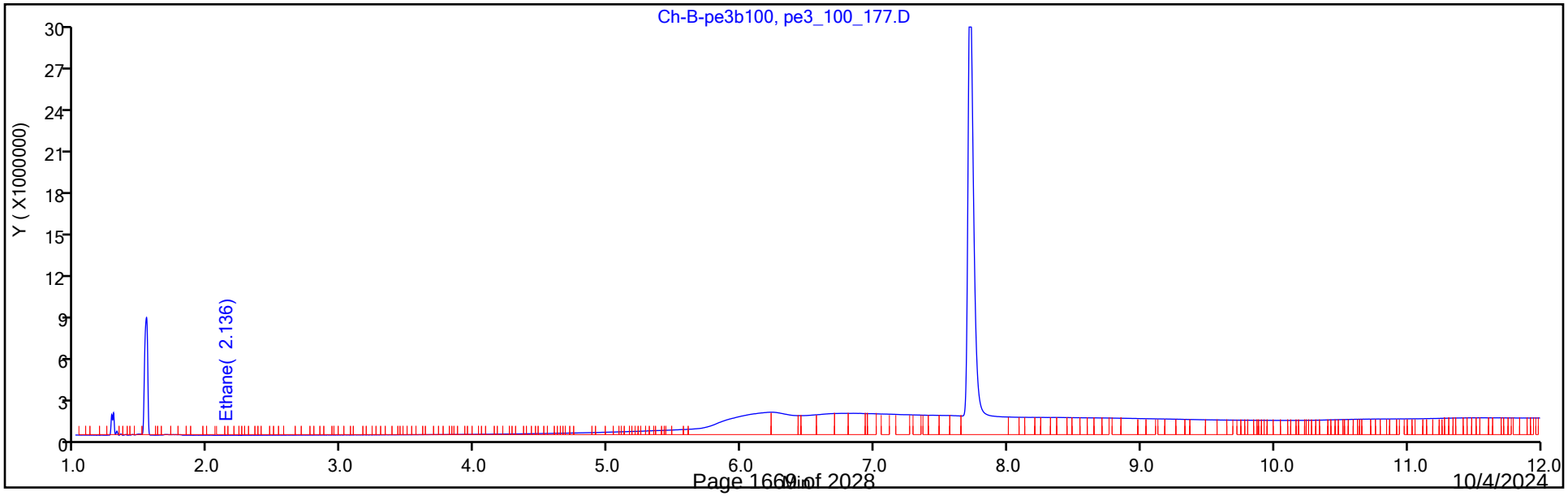
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_177.D

Injection Date:	27-Sep-2024 14:09:27	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-3	Lab Sample ID:	480-223755-3	Worklist Smp#:	20
Client ID:	GW-4D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-25D-09252024 | Lab Sample ID: 480-223755-4

Matrix: Water | Lab File ID: pe3_100_178.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 10:40

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 14:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_178.D
Lims ID: 480-223755-F-4
Client ID: GW-M-25D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 14:28:18 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.959	1.941	0.018	25143	-0.2401	
2	2.135	2.143	-0.008	31153	1.76	

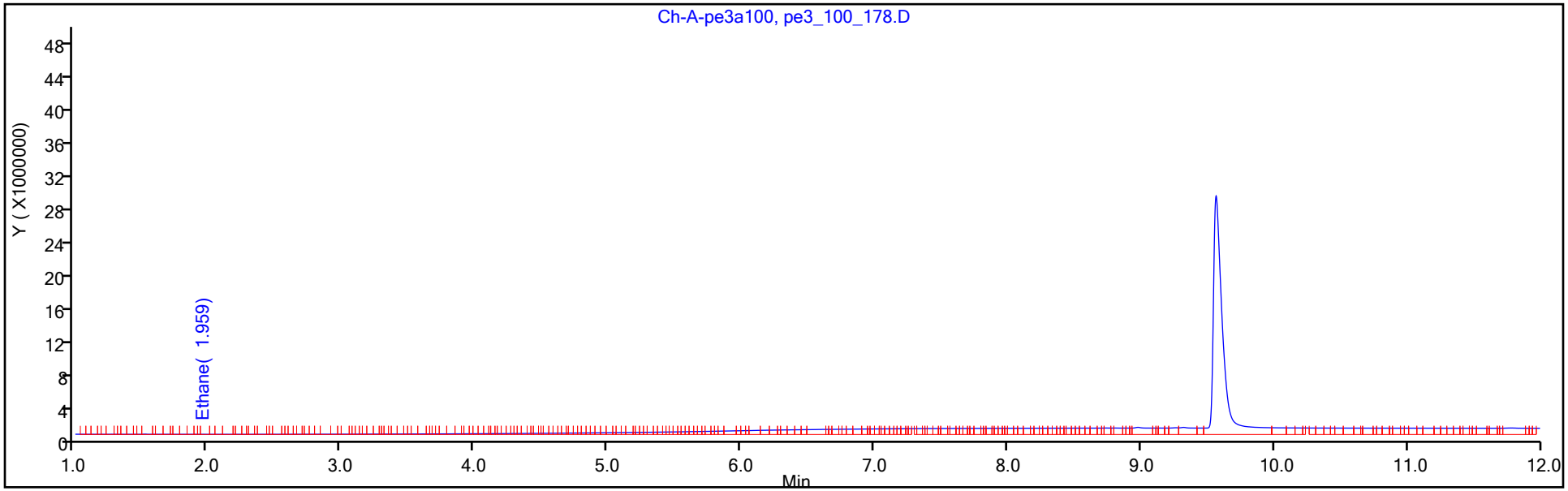
Report Date: 30-Sep-2024 06:34:58 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

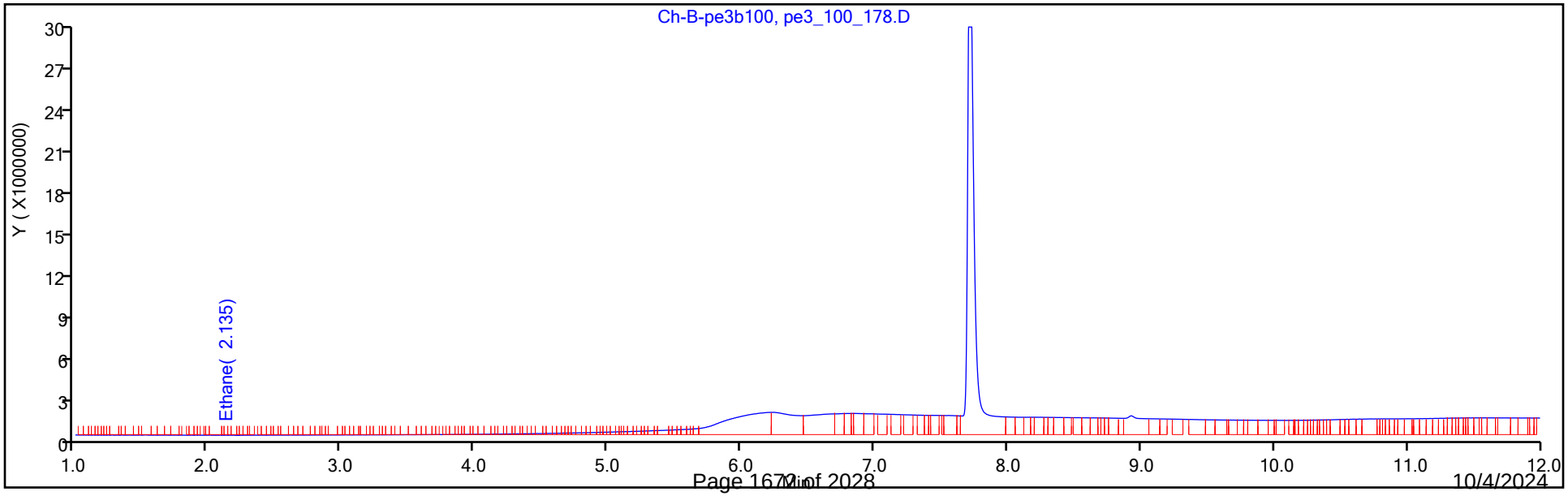
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_178.D

Injection Date:	27-Sep-2024 14:28:18	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-4	Lab Sample ID:	480-223755-4	Worklist Smp#:	21
Client ID:	GW-M-25D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-25S-09252024 | Lab Sample ID: 480-223755-5

Matrix: Water | Lab File ID: pe3_100_179.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 10:55

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 14:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_179.D
Lims ID: 480-223755-F-5
Client ID: GW-M-25S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 14:47:09 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.960	1.941	0.019	14239	-0.2691	
2	2.135	2.143	-0.008	12214	1.70	

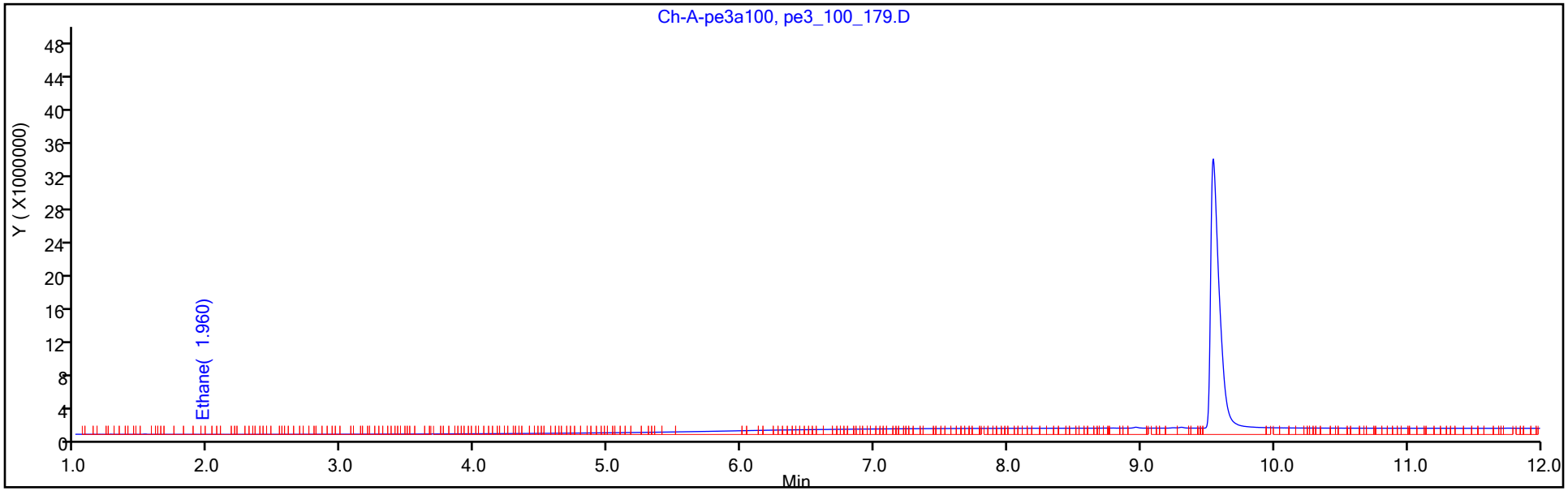
Report Date: 30-Sep-2024 06:34:59 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

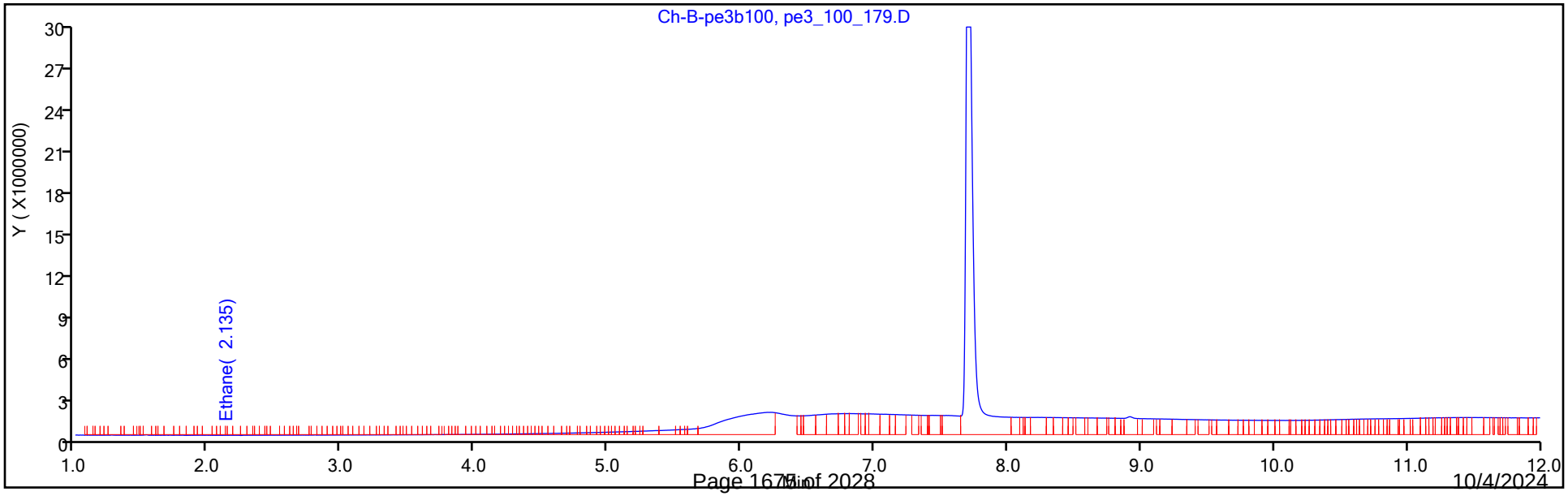
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_179.D

Injection Date:	27-Sep-2024 14:47:09	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-5	Lab Sample ID:	480-223755-5	Worklist Smp#:	22
Client ID:	GW-M-25S-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-26D-09252024 | Lab Sample ID: 480-223755-6

Matrix: Water | Lab File ID: pe3_100_180.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 12:10

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 15:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_180.D
Lims ID: 480-223755-F-6
Client ID: GW-M-26D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 15:06:02 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.971	1.941	0.030	22958	-0.2459	
2	2.128	2.143	-0.015	39533	1.79	

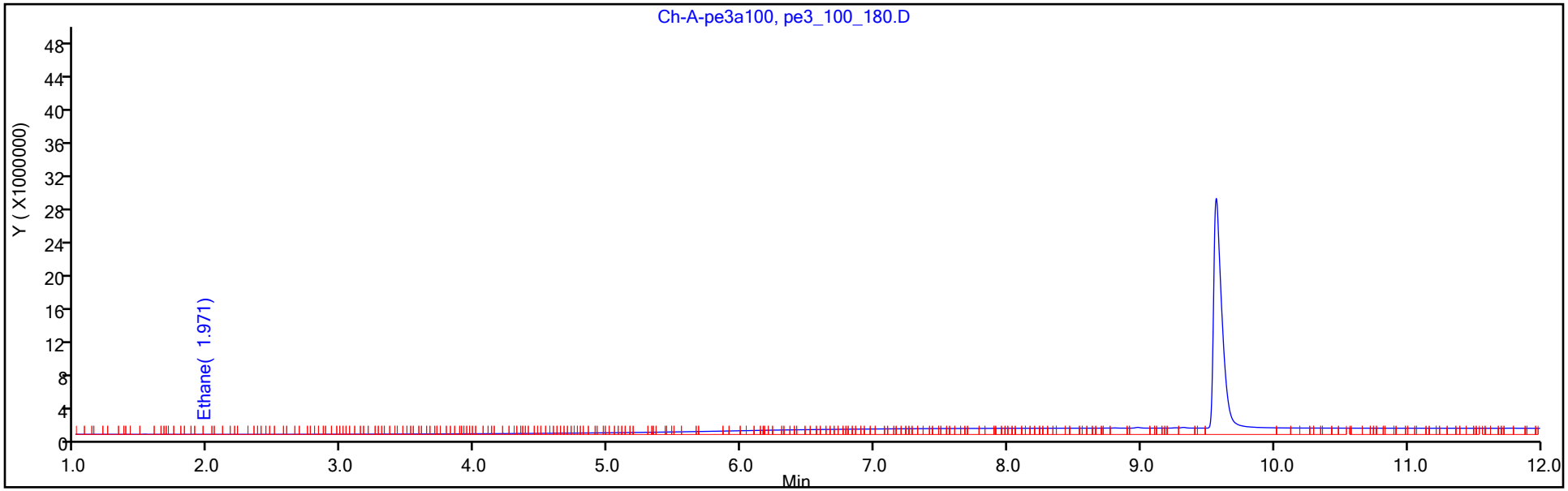
Report Date: 30-Sep-2024 06:35:00 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

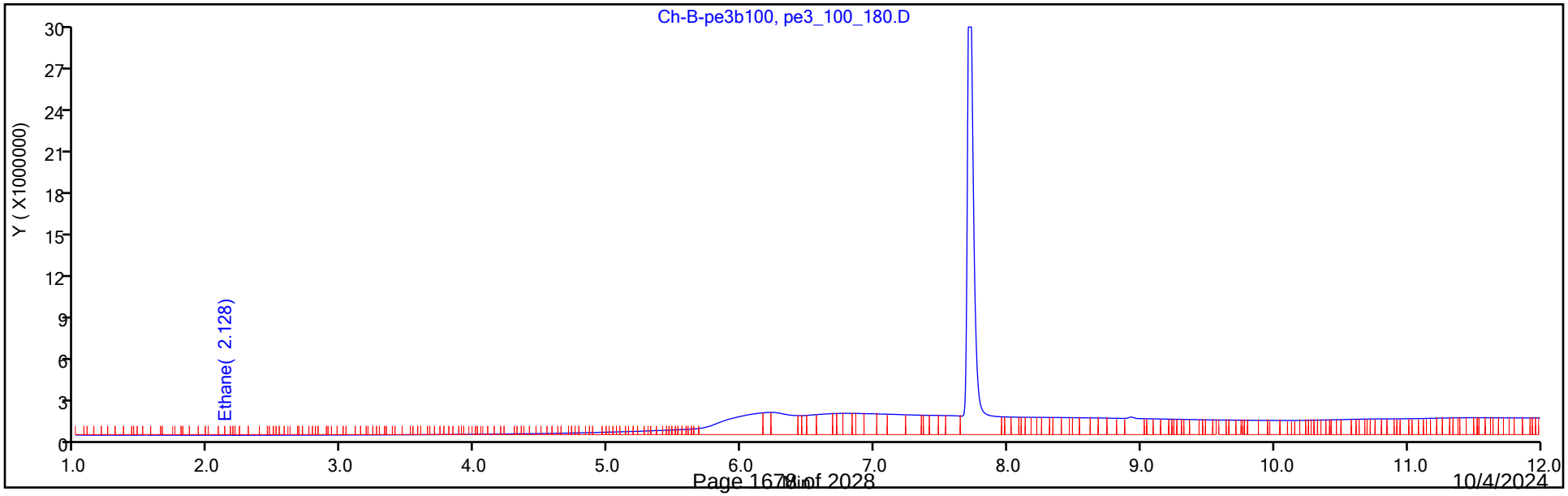
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_180.D

Injection Date:	27-Sep-2024 15:06:02	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-6	Lab Sample ID:	480-223755-6	Worklist Smp#:	23
Client ID:	GW-M-26D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-28D-09252024 | Lab Sample ID: 480-223755-7

Matrix: Water | Lab File ID: pe3_100_181.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 12:25

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 15:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_181.D
Lims ID: 480-223755-F-7
Client ID: GW-M-28D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 15:24:53 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.947	1.941	0.006	24969	-0.2405	
2	2.135	2.143	-0.008	47691	1.81	

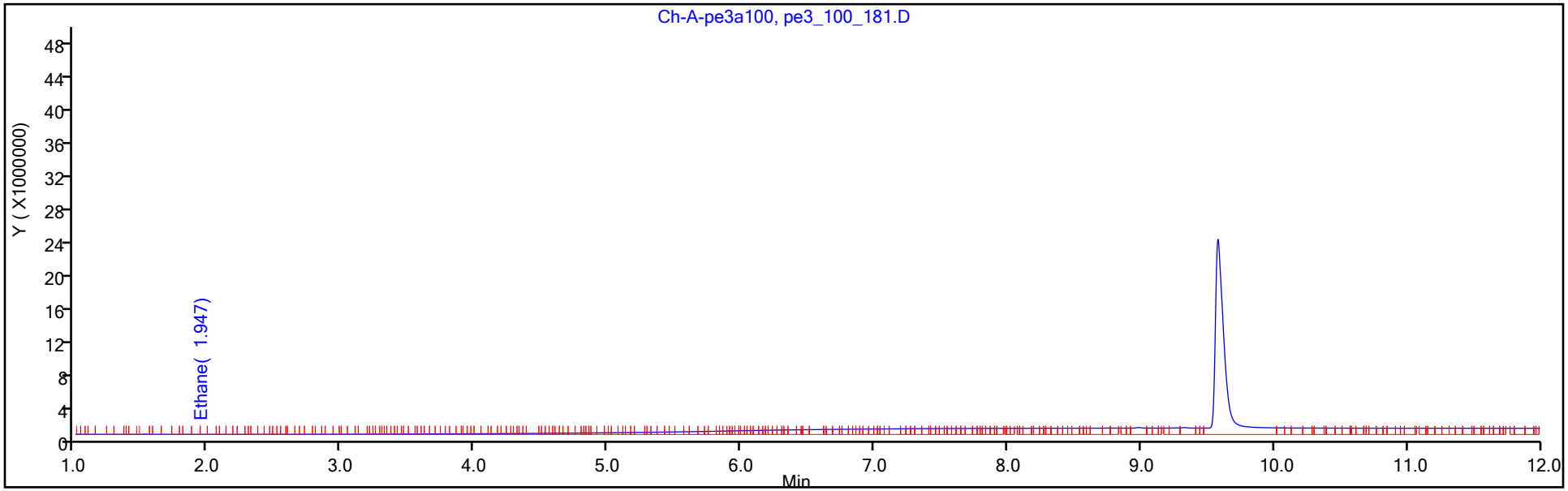
Report Date: 30-Sep-2024 06:35:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

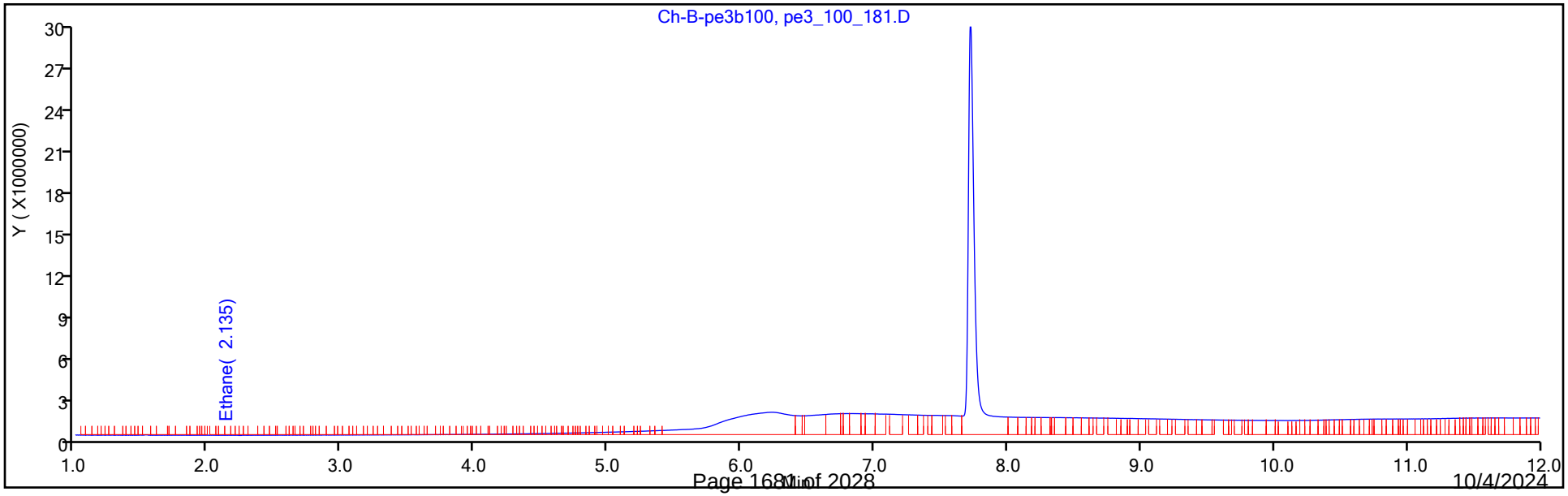
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_181.D

Injection Date:	27-Sep-2024 15:24:53	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-7	Lab Sample ID:	480-223755-7	Worklist Smp#:	24
Client ID:	GW-M-28D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-29S-09252024 | Lab Sample ID: 480-223755-8

Matrix: Water | Lab File ID: pe3_100_182.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 12:55

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 15:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_182.D
Lims ID: 480-223755-F-8
Client ID: GW-M-29S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 15:43:44 ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.952	1.941	0.011	46787	-0.1824	
2	2.136	2.143	-0.007	69649	1.88	

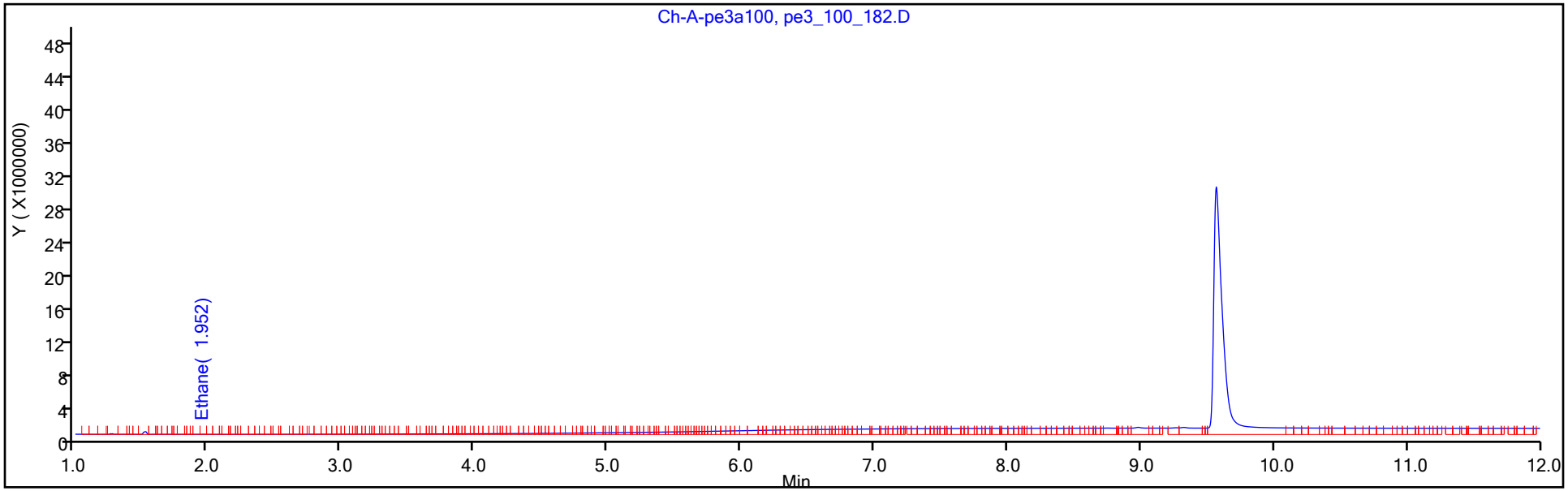
Report Date: 30-Sep-2024 06:35:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

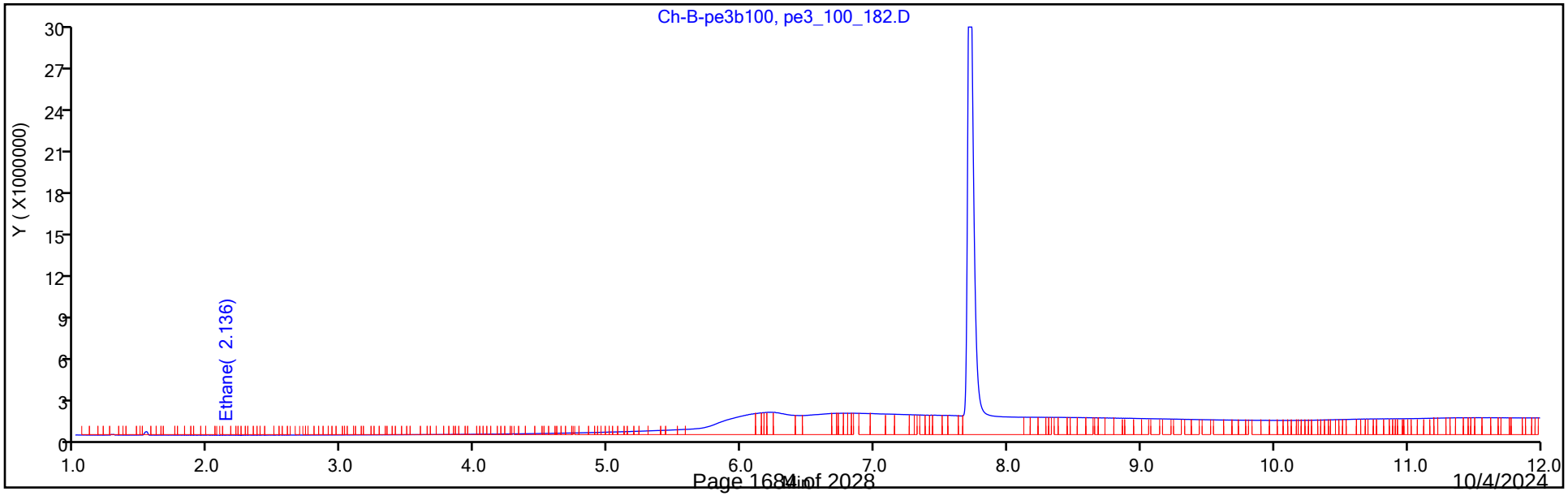
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_182.D

Injection Date:	27-Sep-2024 15:43:44	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-8	Lab Sample ID:	480-223755-8	Worklist Smp#:	25
Client ID:	GW-M-29S-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-28S-09252024 | Lab Sample ID: 480-223755-9

Matrix: Water | Lab File ID: pe3_100_183.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 13:25

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 16:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_183.D
Lims ID: 480-223755-F-9
Client ID: GW-M-28S-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 16:02:37 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.945	1.941	0.004	31203	-0.2239	
2	2.140	2.143	-0.003	17157	1.72	

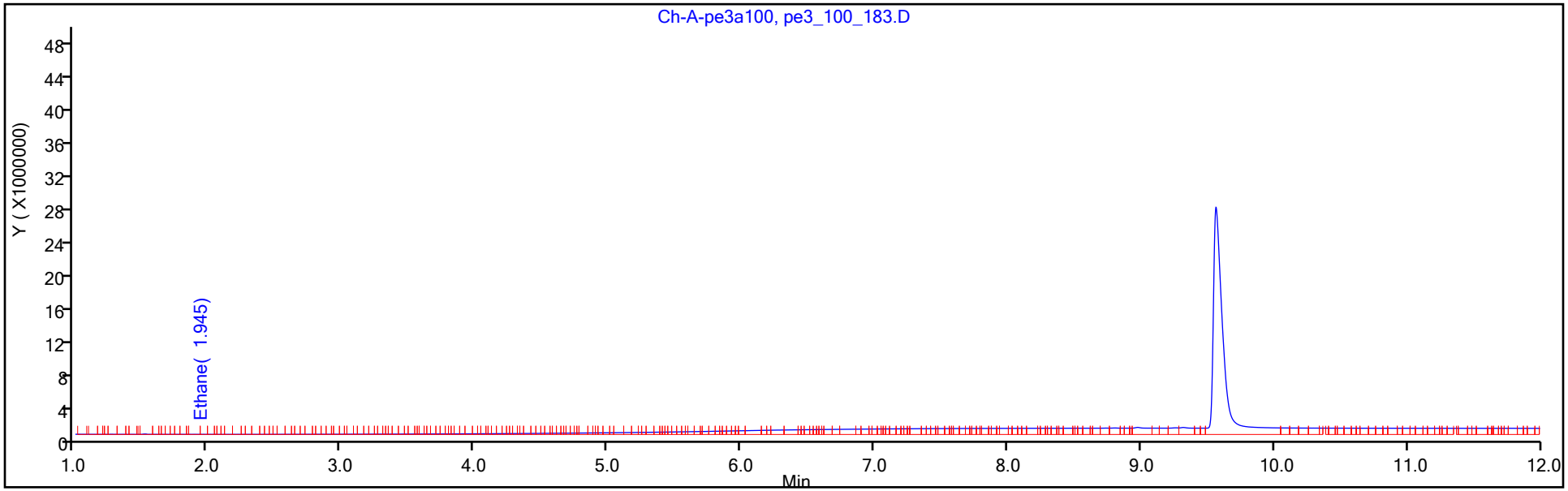
Report Date: 30-Sep-2024 06:35:02 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

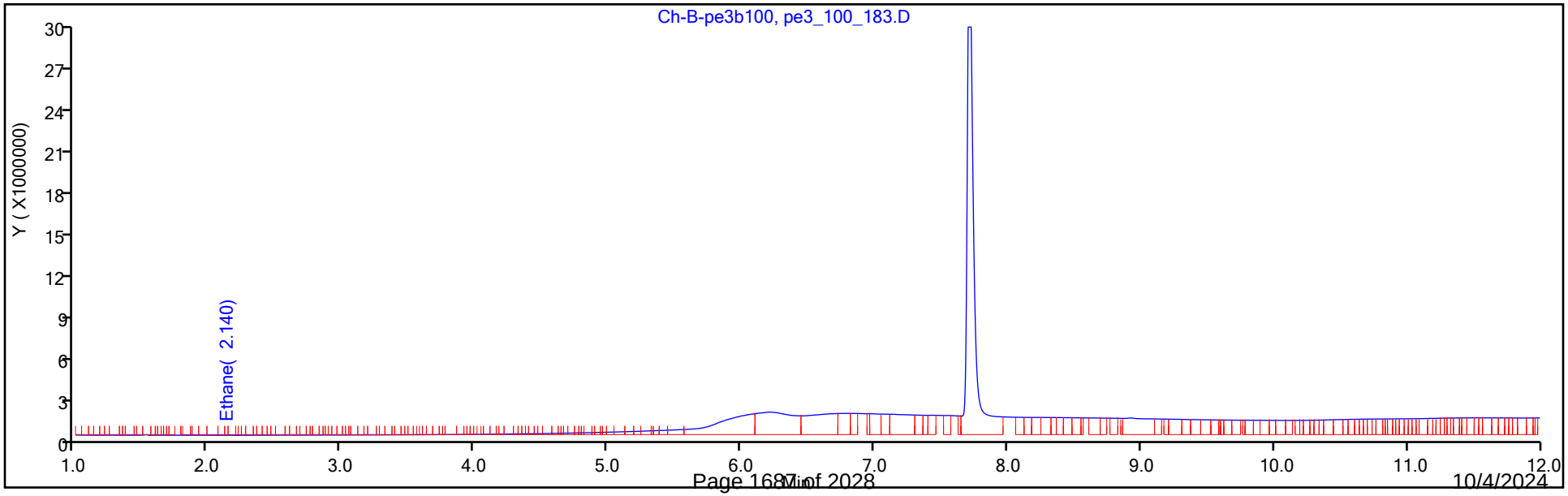
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_183.D

Injection Date:	27-Sep-2024 16:02:37	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-9	Lab Sample ID:	480-223755-9	Worklist Smp#:	26
Client ID:	GW-M-28S-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-D-09252024 | Lab Sample ID: 480-223755-10

Matrix: Water | Lab File ID: pe3_100_184.D

Analysis Method: RSK-175 | Date Collected: 09/25/2024 14:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 16:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_184.D
Lims ID: 480-223755-F-10
Client ID: SW-D-09252024
Sample Type: Client
Inject. Date: 27-Sep-2024 16:21:28 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:29:28 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.960	1.941	0.019	27209	-0.2346	
2	2.155	2.143	0.012	58604	1.85	

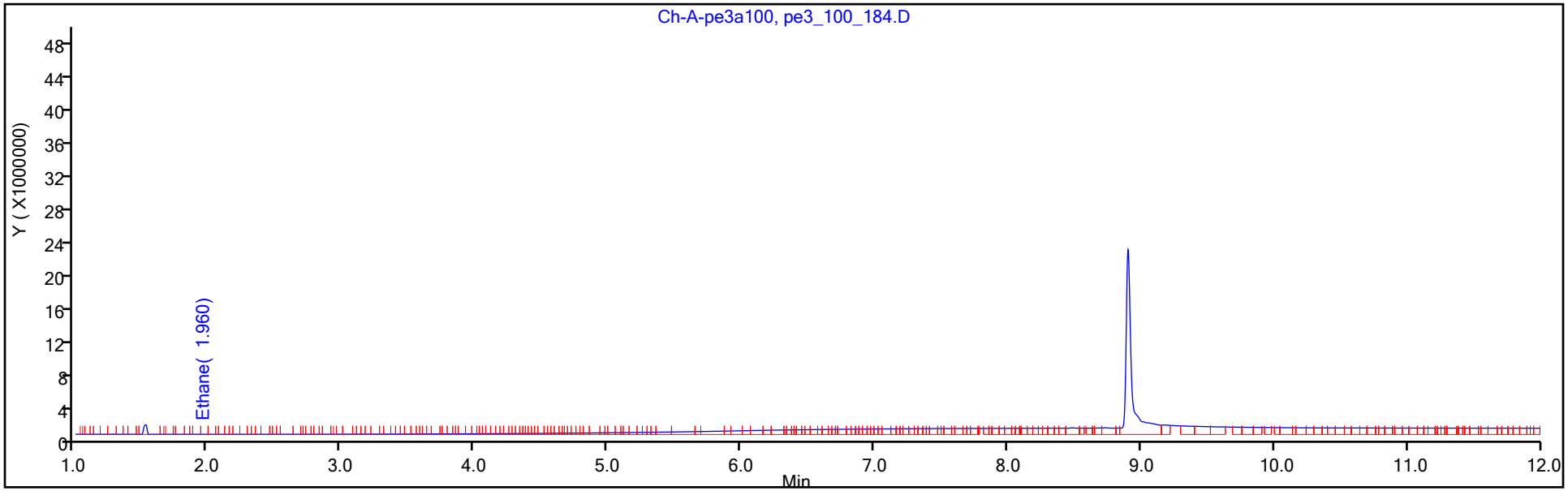
Report Date: 30-Sep-2024 06:35:03 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

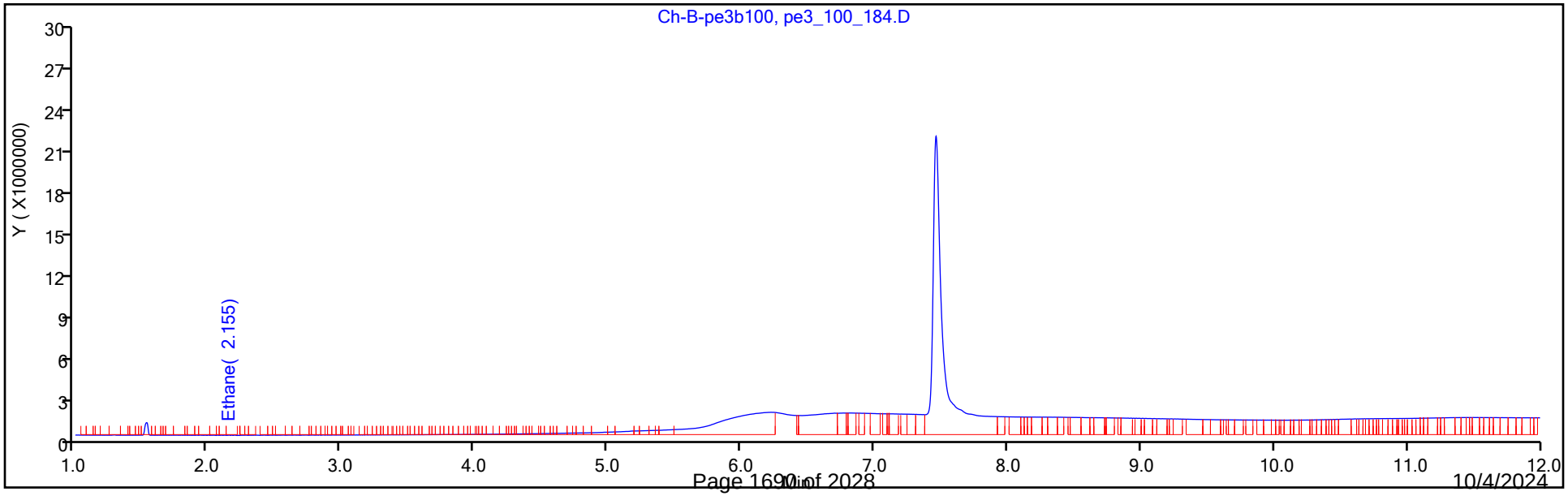
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_184.D

Injection Date:	27-Sep-2024 16:21:28	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223755-F-10	Lab Sample ID:	480-223755-10	Worklist Smp#:	27
Client ID:	SW-D-09252024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: EB-3-09262024 | Lab Sample ID: 480-223784-1

Matrix: Water | Lab File ID: pe3_100_204.D

Analysis Method: RSK-175 | Date Collected: 09/26/2024 08:10

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 10:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_204.D
Lims ID: 480-223784-D-1
Client ID: EB-3-09262024
Sample Type: Client
Inject. Date: 30-Sep-2024 10:04:53 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:16 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.964	1.945	0.019	20502	-0.2524	
2	2.129	2.140	-0.011	8007	1.69	

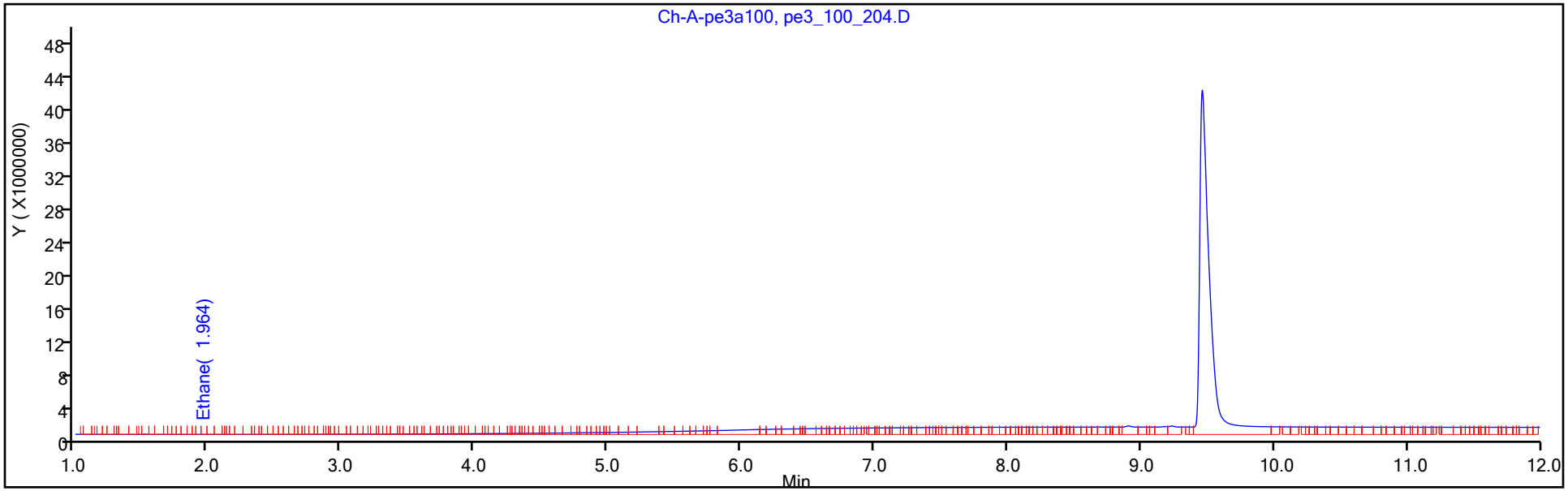
Report Date: 30-Sep-2024 14:46:21 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

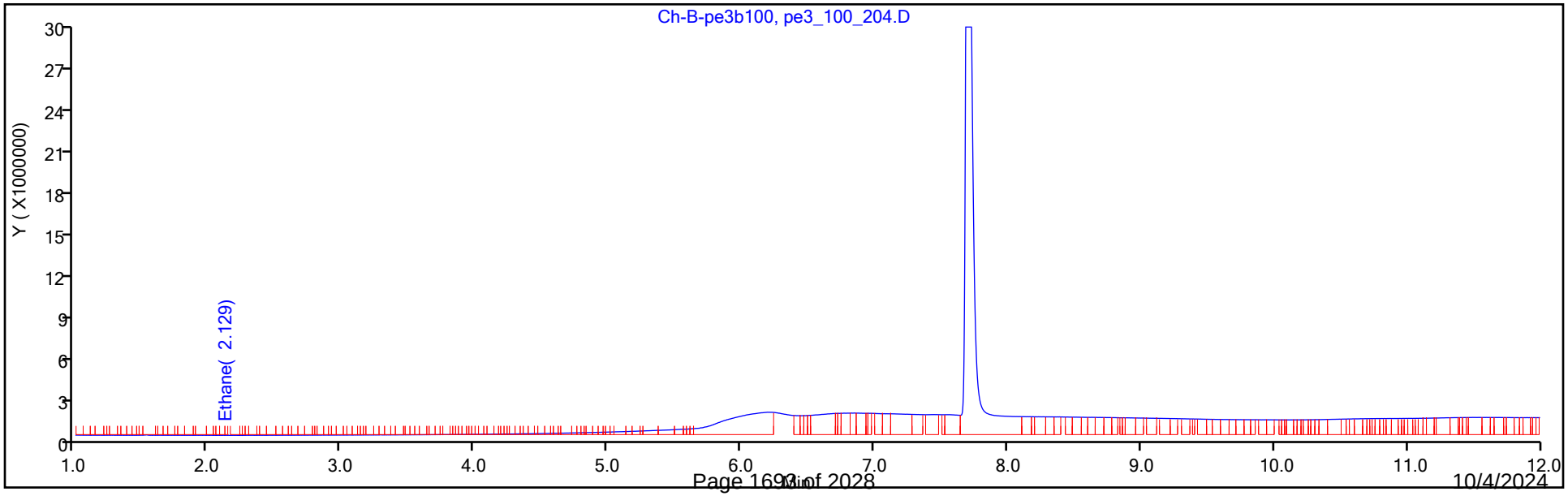
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_204.D

Injection Date:	30-Sep-2024 10:04:53	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223784-D-1	Lab Sample ID:	480-223784-1	Worklist Smp#:	9
Client ID:	EB-3-09262024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024 | Lab Sample ID: 480-223784-2

Matrix: Water | Lab File ID: pe3_100_213.D

Analysis Method: RSK-175 | Date Collected: 09/26/2024 10:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 12:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_213.D
Lims ID: 480-223784-D-2
Client ID: GW-10S-09262024
Sample Type: Client
Inject. Date: 30-Sep-2024 12:54:43 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:36 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Methane						E
1	1.531	1.525	0.006	197980950	529.2	E
2	1.535	1.535	0.000	173211262	550.0	E
2 Ethane						
1	1.951	1.945	0.006	162257	0.1254	
2	2.133	2.140	-0.007	245869	2.42	
3 Ethylene						
1	2.641	2.652	-0.011	40997	-0.0849	
2	2.013	2.019	-0.006	55262	1.83	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

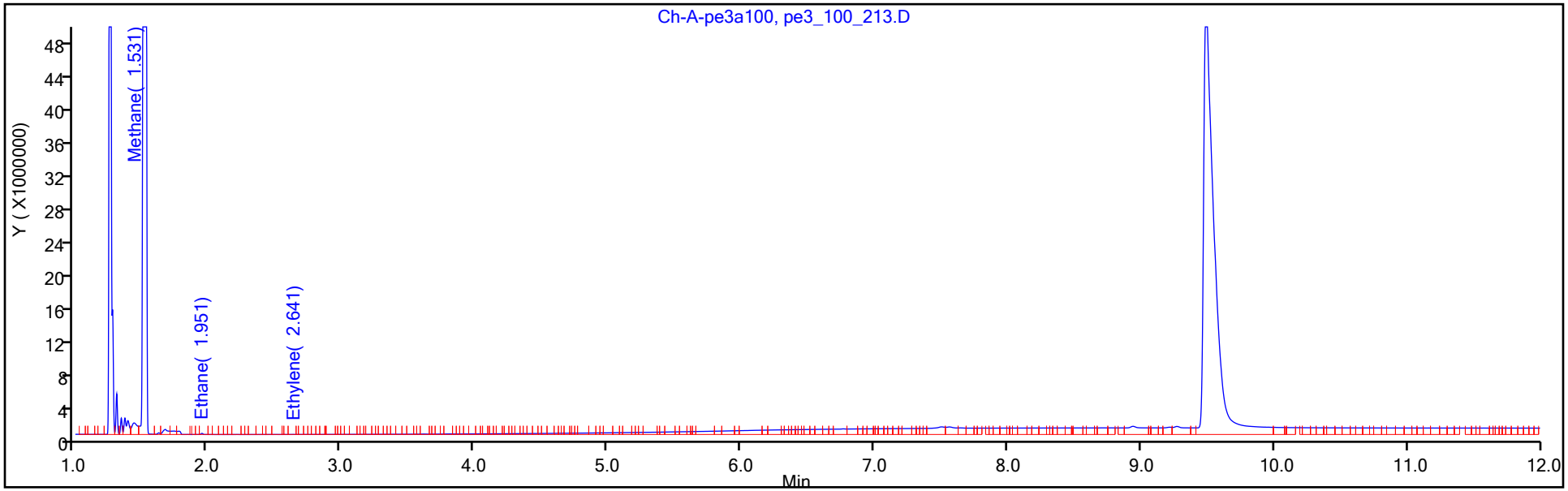
Report Date: 30-Sep-2024 14:46:44 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

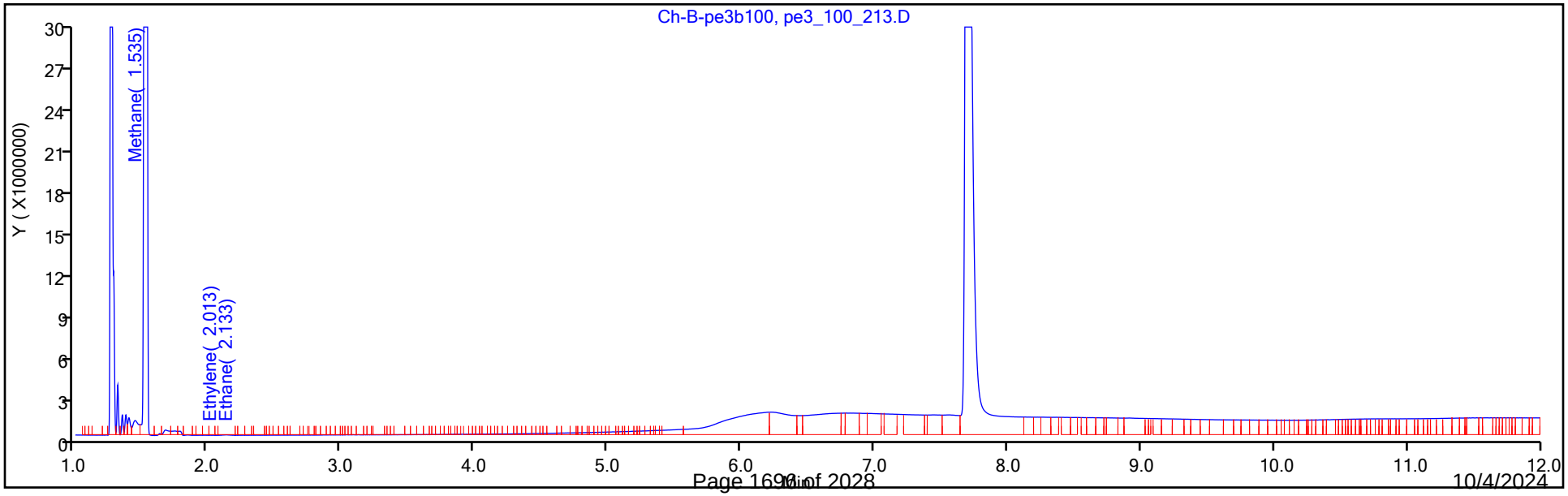
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_213.D

Injection Date:	30-Sep-2024 12:54:43	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223784-D-2	Lab Sample ID:	480-223784-2	Worklist Smp#:	18
Client ID:	GW-10S-09262024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-DGC-4S-09262024 | Lab Sample ID: 480-223784-3

Matrix: Water | Lab File ID: pe3_100_205.D

Analysis Method: RSK-175 | Date Collected: 09/26/2024 11:30

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 10:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_205.D				
Lims ID:	480-223784-D-3				
Client ID:	GW-DGC-45-09262024				
Sample Type:	Client				
Inject. Date:	30-Sep-2024 10:23:46	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	tchrom	Instrument ID:	PE-03		
Method:	\\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m				
Limit Group:	GC - RSK175 ICAL				
Last Update:	30-Sep-2024 14:46:16	Calib Date:	25-Jun-2024 14:09:01		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D				
Column 1 :	Alumina (0.00 mm)		Det: Ch-A-21a09074		
Column 2 :	RTX-U Plot (0.32 mm)		Det: Ch-B-21b09074		
Process Host:	CTX1652				

First Level Reviewer: RH3X Date: 30-Sep-2024 10:58:16

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.945	1.945	0.000	37597	-0.2069	
2	2.135	2.140	-0.005	28356	1.75	

QC Flag Legend

Processing Flags

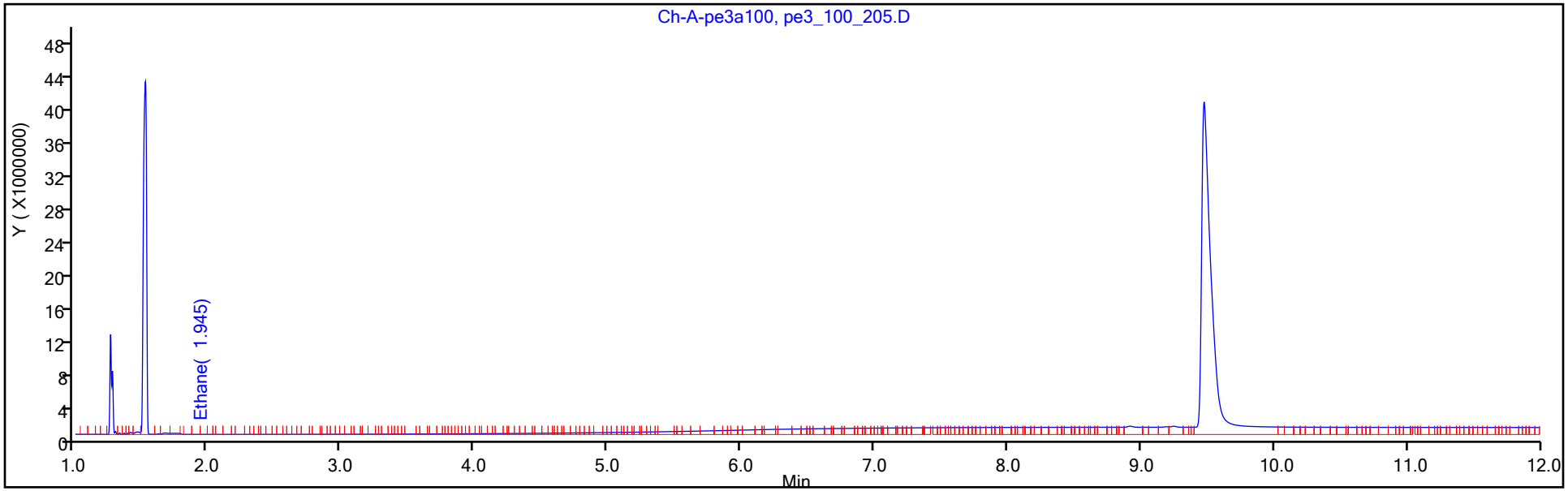
Report Date: 30-Sep-2024 14:46:22 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

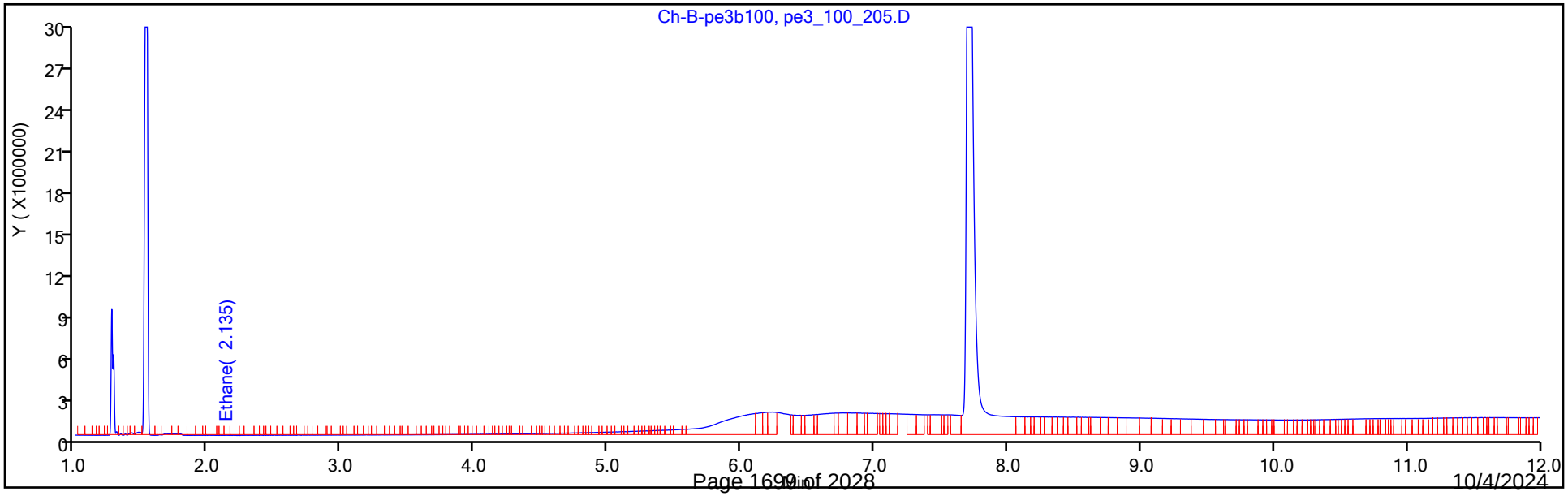
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_205.D

Injection Date:	30-Sep-2024 10:23:46	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223784-D-3	Lab Sample ID:	480-223784-3	Worklist Smp#:	10
Client ID:	GW-DGC-45-09262024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-13S-09262024 | Lab Sample ID: 480-223784-4

Matrix: Water | Lab File ID: pe3_100_206.D

Analysis Method: RSK-175 | Date Collected: 09/26/2024 12:55

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 10:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_206.D				
Lims ID:	480-223784-D-4				
Client ID:	GW-13S-09262024				
Sample Type:	Client				
Inject. Date:	30-Sep-2024 10:42:38	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	tchrom	Instrument ID:	PE-03		
Method:	\\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m				
Limit Group:	GC - RSK175 ICAL				
Last Update:	30-Sep-2024 14:46:16	Calib Date:	25-Jun-2024 14:09:01		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D				
Column 1 :	Alumina (0.00 mm)		Det: Ch-A-21a09074		
Column 2 :	RTX-U Plot (0.32 mm)		Det: Ch-B-21b09074		
Process Host:	CTX1652				
First Level Reviewer: RH3X		Date:	30-Sep-2024 11:23:49		

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.937	1.945	-0.008	34611	-0.2148	
2	2.155	2.140	0.015	27680	1.75	

QC Flag Legend

Processing Flags

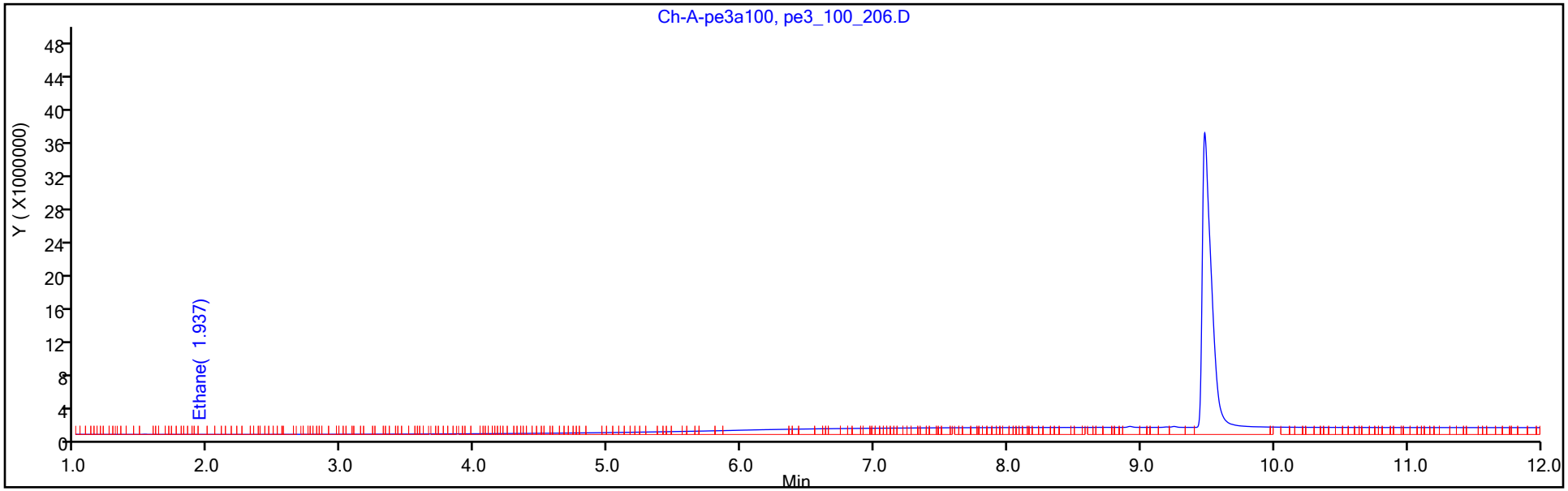
Report Date: 30-Sep-2024 14:46:23 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

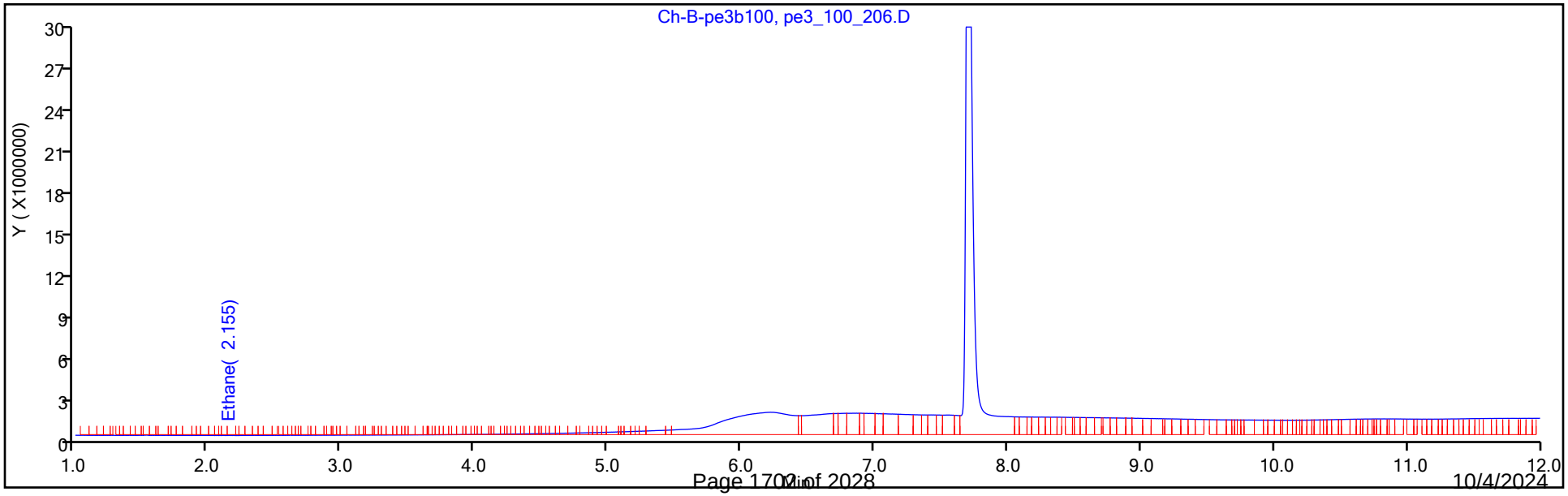
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_206.D

Injection Date:	30-Sep-2024 10:42:38	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223784-D-4	Lab Sample ID:	480-223784-4	Worklist Smp#:	11
Client ID:	GW-13S-09262024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-M-24DR-09262024 | Lab Sample ID: 480-223784-5

Matrix: Water | Lab File ID: pe3_100_207.D

Analysis Method: RSK-175 | Date Collected: 09/26/2024 13:55

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 11:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_207.D
Lims ID: 480-223784-D-5
Client ID: GW-M-24DR-09262024
Sample Type: Client
Inject. Date: 30-Sep-2024 11:01:29 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:16 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
2 Ethane						
1	1.953	1.945	0.008	38402	-0.2047	
2	2.137	2.140	-0.003	43510	1.80	

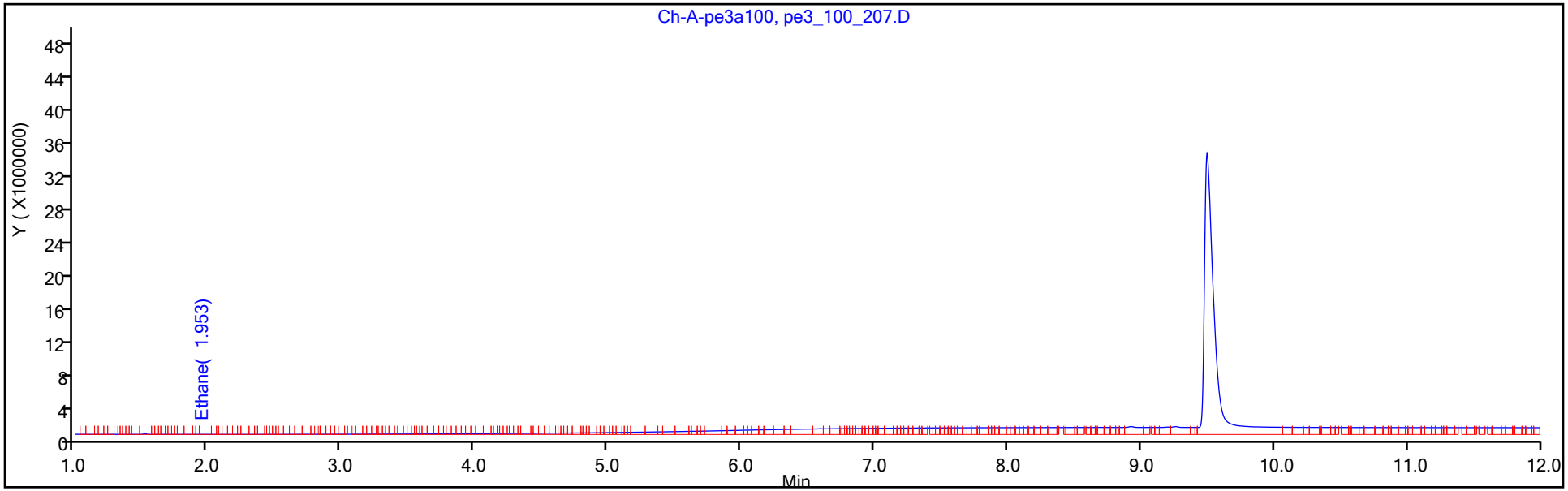
Report Date: 30-Sep-2024 14:46:25 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

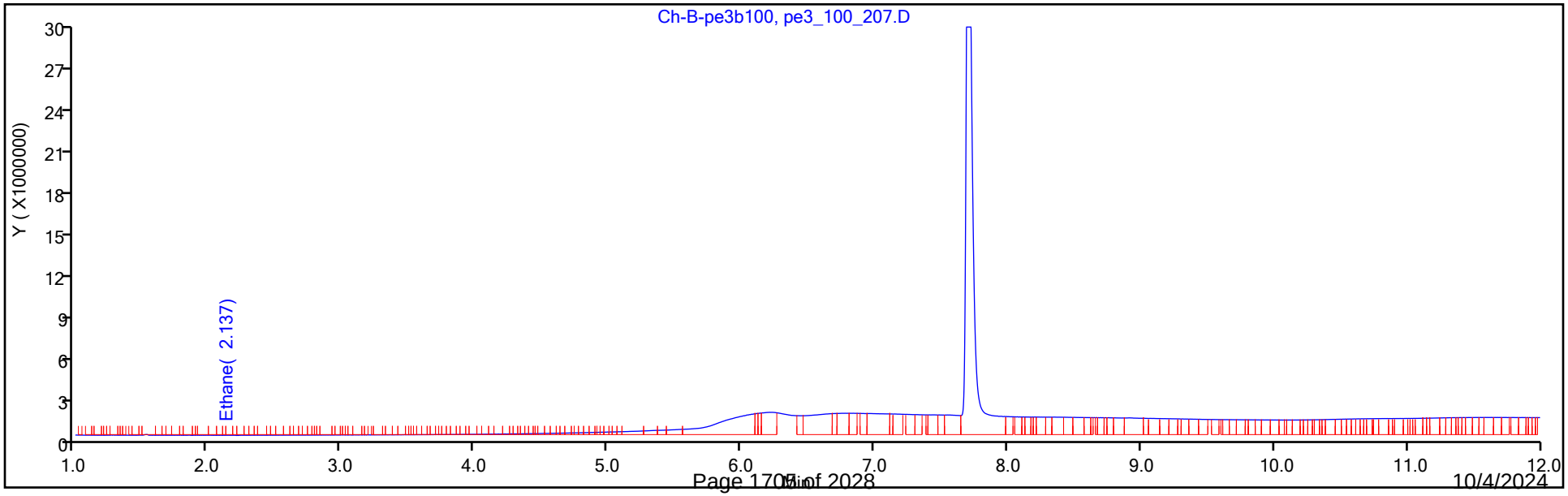
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_207.D

Injection Date:	30-Sep-2024 11:01:29	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223784-D-5	Lab Sample ID:	480-223784-5	Worklist Smp#:	12
Client ID:	GW-M-24DR-09262024				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 716675

SDG No.: 480-223647-1

Instrument ID: PE-03 GC Column: Alumina ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2024 11:19 Calibration End Date: 06/25/2024 14:09 Calibration ID: 46778

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-716675/4	pe3_098_023.D
Level 2	IC 480-716675/5	pe3_098_024.D
Level 3	IC 480-716675/6	pe3_098_025.D
Level 4	IC 480-716675/7	pe3_098_026.D
Level 5	IC 480-716675/8	pe3_098_027.D
Level 6	IC 480-716675/13	pe3_098_032.D
Level 7	IC 480-716675/10	pe3_098_029.D
Level 8	IC 480-716675/11	pe3_098_030.D
Level 9	IC 480-716675/12	pe3_098_031.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
Methane	1.527	1.528	1.528	1.528	1.527	1.527	1.527	1.528	1.528		1.278 - 1.778	1.528
Ethane	1.977	1.980	1.980	1.980	1.979	1.981	1.979	1.985	+++++		1.730 - 2.230	1.980
Ethene	2.741	2.743	2.747	2.745	2.741	2.748	2.737	2.739	2.739		2.497 - 2.997	2.742

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-223647-1 Analy Batch No.: 716675

SDG No.: 480-223647-1

Instrument ID: PE-03 GC Column: Alumina ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2024 11:19 Calibration End Date: 06/25/2024 14:09 Calibration ID: 46778

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-716675/4	pe3_098_023.D
Level 2	IC 480-716675/5	pe3_098_024.D
Level 3	IC 480-716675/6	pe3_098_025.D
Level 4	IC 480-716675/7	pe3_098_026.D
Level 5	IC 480-716675/8	pe3_098_027.D
Level 6	IC 480-716675/13	pe3_098_032.D
Level 7	IC 480-716675/10	pe3_098_029.D
Level 8	IC 480-716675/11	pe3_098_030.D
Level 9	IC 480-716675/12	pe3_098_031.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Methane	403307 375847 382971	386699 373655	343933 379513	373158 360745	Lin1	26753.6179	374078.145							0.9990		0.9900
Ethane	390699 390406 +++++	383278 394264	347841 394987	381043 349229	Lin1	115216.761	375215.596							0.9960		0.9900
Ethene	353118 337199 336124	341289 342232	307005 338250	332342 316337	Lin1	69145.5384	331604.638							0.9990		0.9900

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1 | Analy Batch No.: 716675

SDG No.: 480-223647-1

Instrument ID: PE-03 | GC Column: Alumina | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2024 11:19 | Calibration End Date: 06/25/2024 14:09 | Calibration ID: 46778

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-716675/4	pe3_098_023.D
Level 2	IC 480-716675/5	pe3_098_024.D
Level 3	IC 480-716675/6	pe3_098_025.D
Level 4	IC 480-716675/7	pe3_098_026.D
Level 5	IC 480-716675/8	pe3_098_027.D
Level 6	IC 480-716675/13	pe3_098_032.D
Level 7	IC 480-716675/10	pe3_098_029.D
Level 8	IC 480-716675/11	pe3_098_030.D
Level 9	IC 480-716675/12	pe3_098_031.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Methane	Lin1	1573752 58321790	3017887 88854269	6710329 112613596	14561071 149439749	29331964	3.90 156	7.80 234	19.5 312	39.0 390	78.0
Ethane	Lin1	2855092 115245787	5601715 173185350	12709485 204163641	27845288 +++++	57058982	7.31 292	14.6 438	36.5 585	73.1 +++++	146
Ethene	Lin1	2402447 93135326	4643938 138077591	10443590 172176726	22611019 228682851	45882869	6.80 272	13.6 408	34.0 544	68.0 680	136

Curve Type Legend:
Lin1 = Linear 1/conc

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_023.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jun-2024 11:19:12 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:10 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: O0RH Date: 26-Jun-2024 09:24:00

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.528	-0.001	1573752	3.90	4.14	
2	1.535	1.536	-0.001	1187183	3.90	4.54	
2 Ethane							
1	1.977	1.980	-0.003	2855092	7.31	7.30	
2	2.148	2.149	-0.001	2177903	7.31	8.31	
3 Ethylene							
1	2.741	2.747	-0.006	2402447	6.80	7.04	
2	2.024	2.025	-0.001	1777592	6.80	7.93	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 10.00 Units: uL

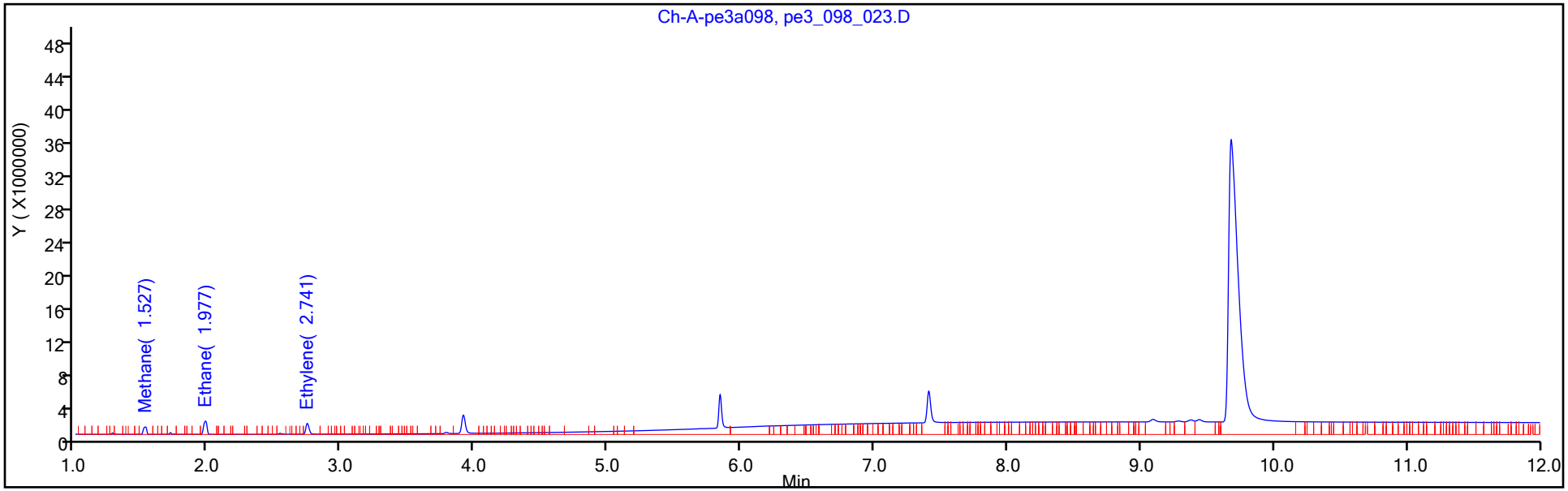
Report Date: 27-Jun-2024 06:17:10 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

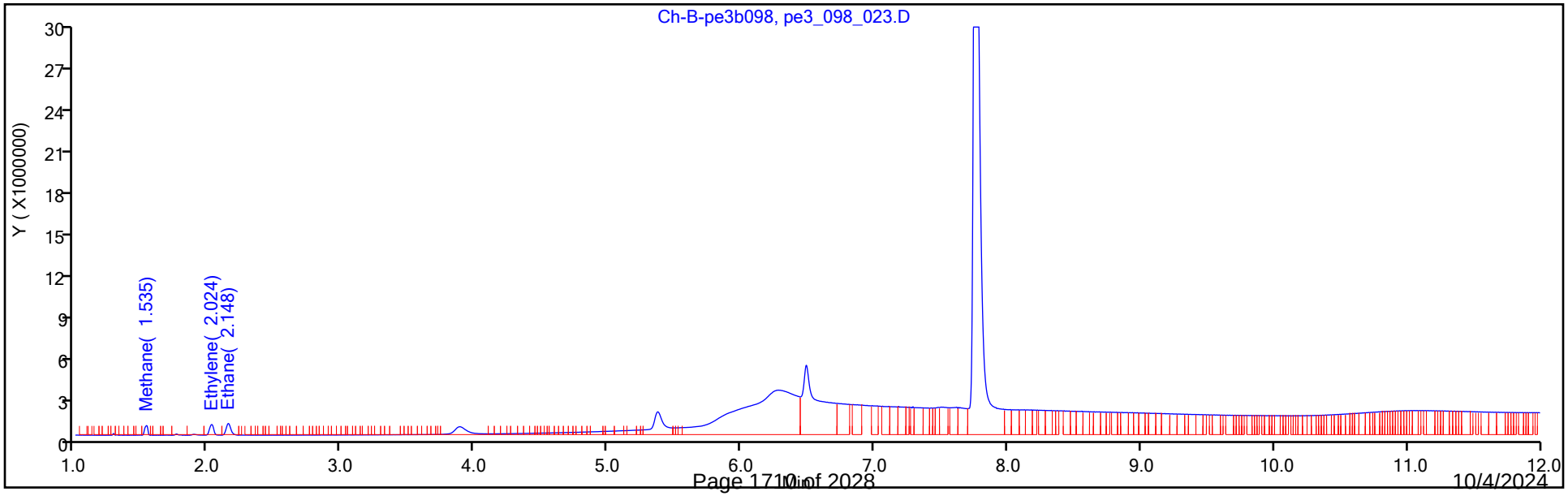
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_023.D

Injection Date:	25-Jun-2024 11:19:12	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_024.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jun-2024 11:38:05 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:11 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: RH3X Date: 26-Jun-2024 06:40:57

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.528	0.000	3017887	7.80	8.00	
2	1.536	1.536	0.000	2308381	7.80	8.09	
2 Ethane							
1	1.980	1.980	0.000	5601715	14.6	14.6	
2	2.149	2.149	0.000	4399897	14.6	15.1	
3 Ethylene							
1	2.743	2.747	-0.004	4643938	13.6	13.8	
2	2.025	2.025	0.000	3459293	13.6	13.9	

QC Flag Legend

Processing Flags

Reagents:

_RSK_STK_00029 Amount Added: 20.00 Units: uL

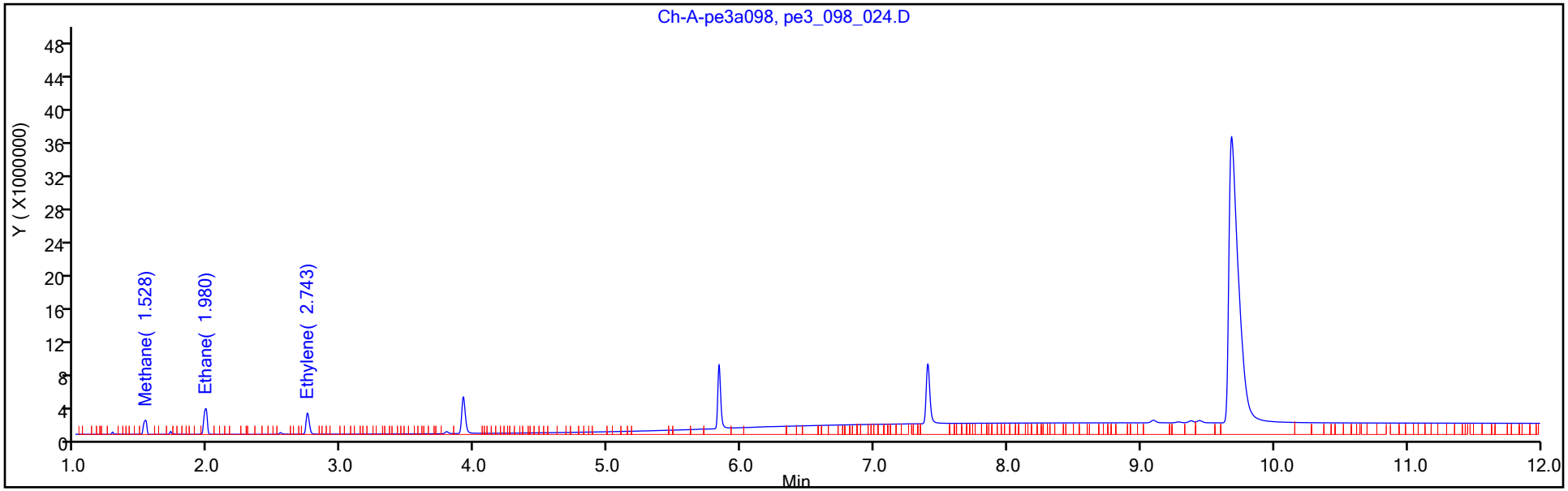
Report Date: 27-Jun-2024 06:17:11 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

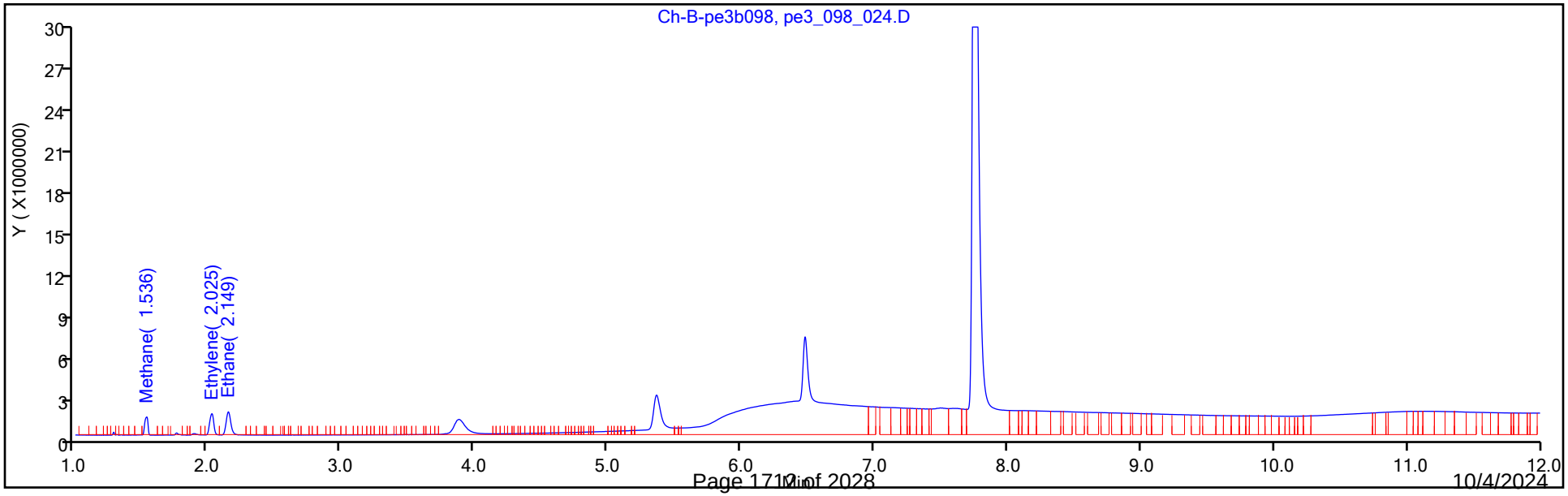
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_024.D

Injection Date:	25-Jun-2024 11:38:05	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_025.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jun-2024 11:56:57 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:12 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: RH3X Date: 27-Jun-2024 06:16:22

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.528	0.000	6710329	19.5	17.9	
2	1.536	1.536	0.000	5144260	19.5	17.1	
2 Ethane							
1	1.980	1.980	0.000	12709485	36.5	33.6	
2	2.149	2.149	0.000	9943977	36.5	32.0	
3 Ethylene							
1	2.747	2.747	0.000	10443590	34.0	31.3	
2	2.025	2.025	0.000	7986509	34.0	29.9	

QC Flag Legend

Processing Flags

Reagents:

_RSK_STK_00029 Amount Added: 50.00 Units: uL

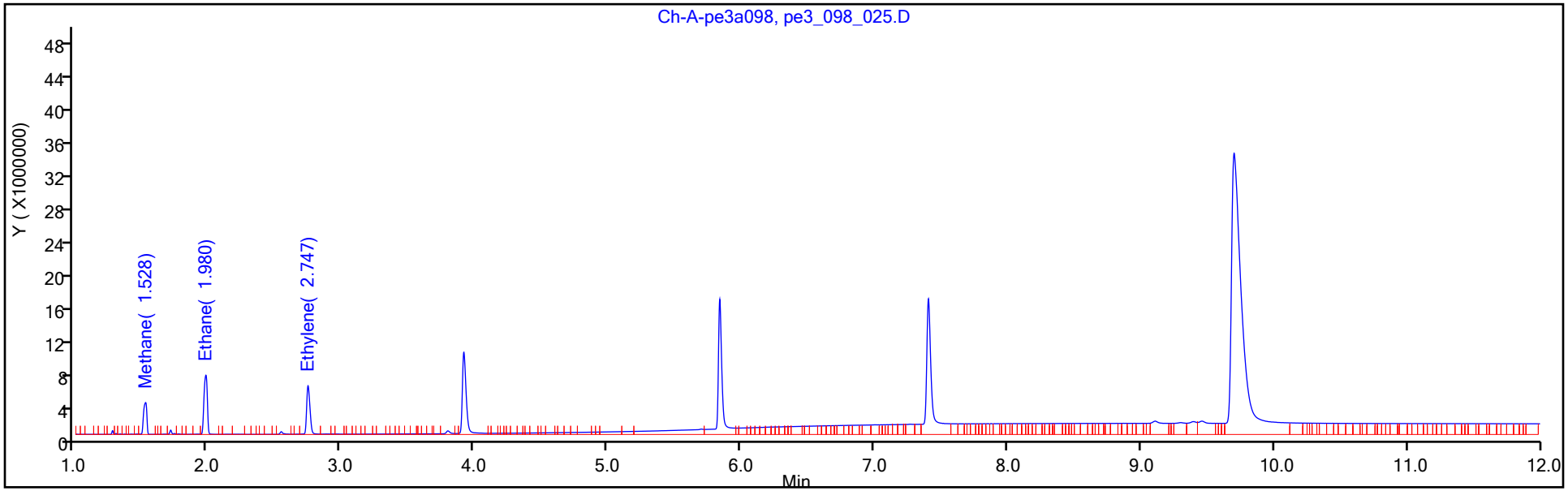
Report Date: 27-Jun-2024 06:17:12 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

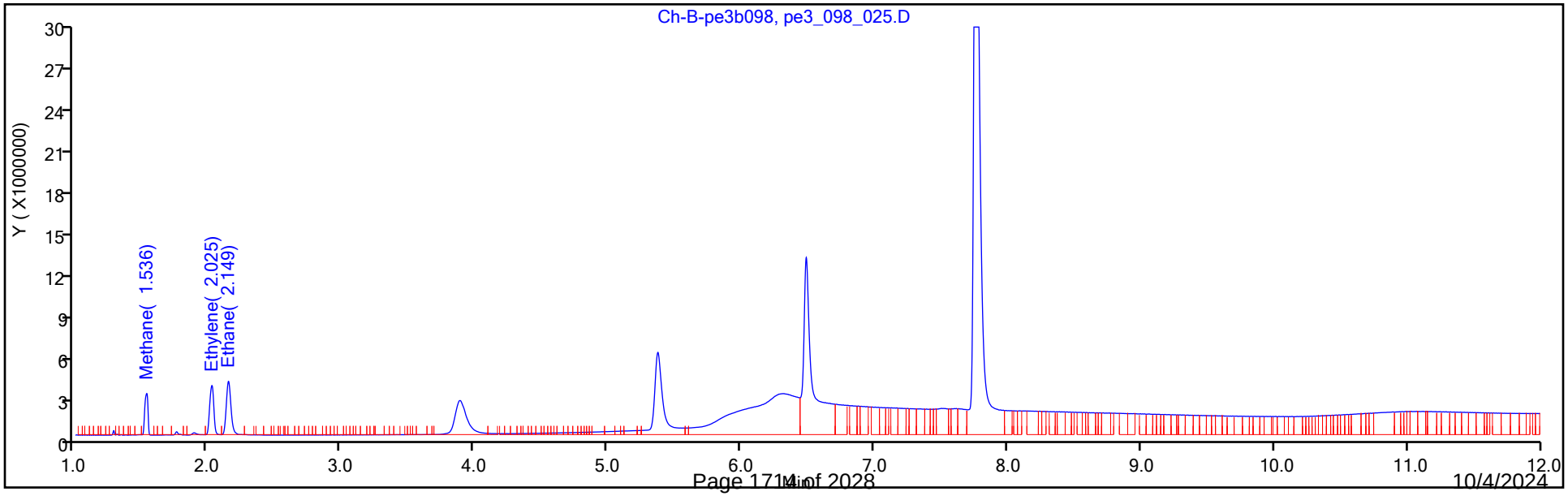
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_025.D

Injection Date:	25-Jun-2024 11:56:57	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_026.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 25-Jun-2024 12:15:50 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:13 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: RH3X Date: 25-Jun-2024 12:58:31

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.528	0.000	14561071	39.0	38.9	
2	1.536	1.536	0.000	11430779	39.0	37.0	
2 Ethane							
1	1.980	1.980	0.000	27845288	73.1	73.9	
2	2.149	2.149	0.000	22471274	73.1	70.3	
3 Ethylene							
1	2.745	2.747	-0.002	22611019	68.0	68.0	
2	2.025	2.025	0.000	17753711	68.0	64.5	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 100.00 Units: uL

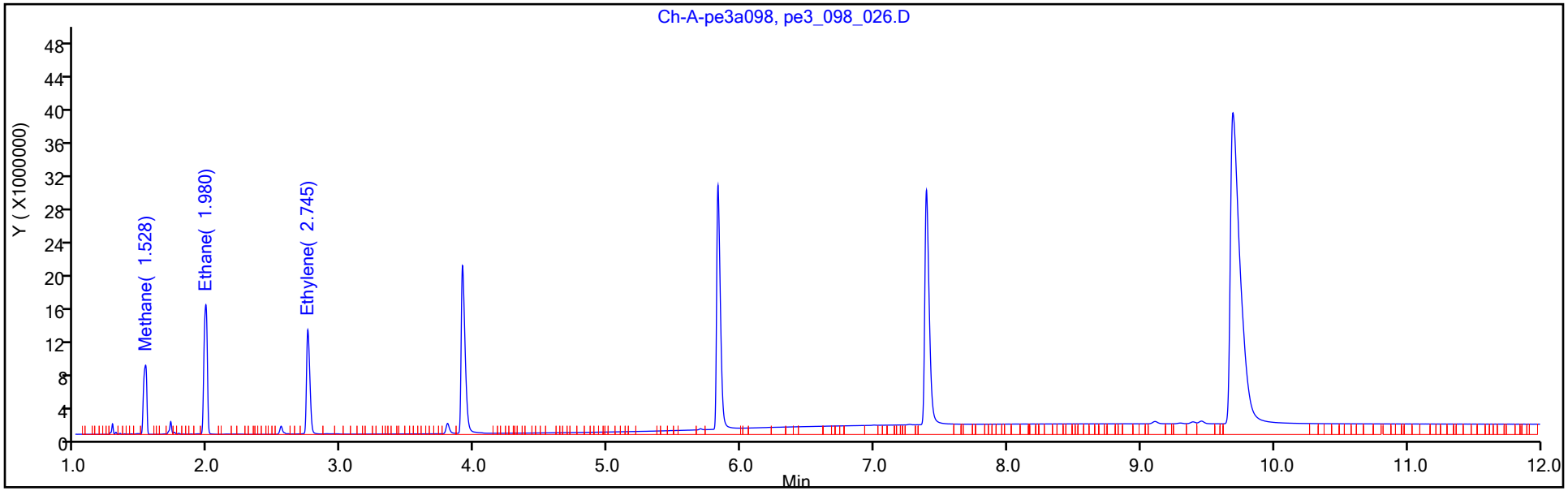
Report Date: 27-Jun-2024 06:17:13 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

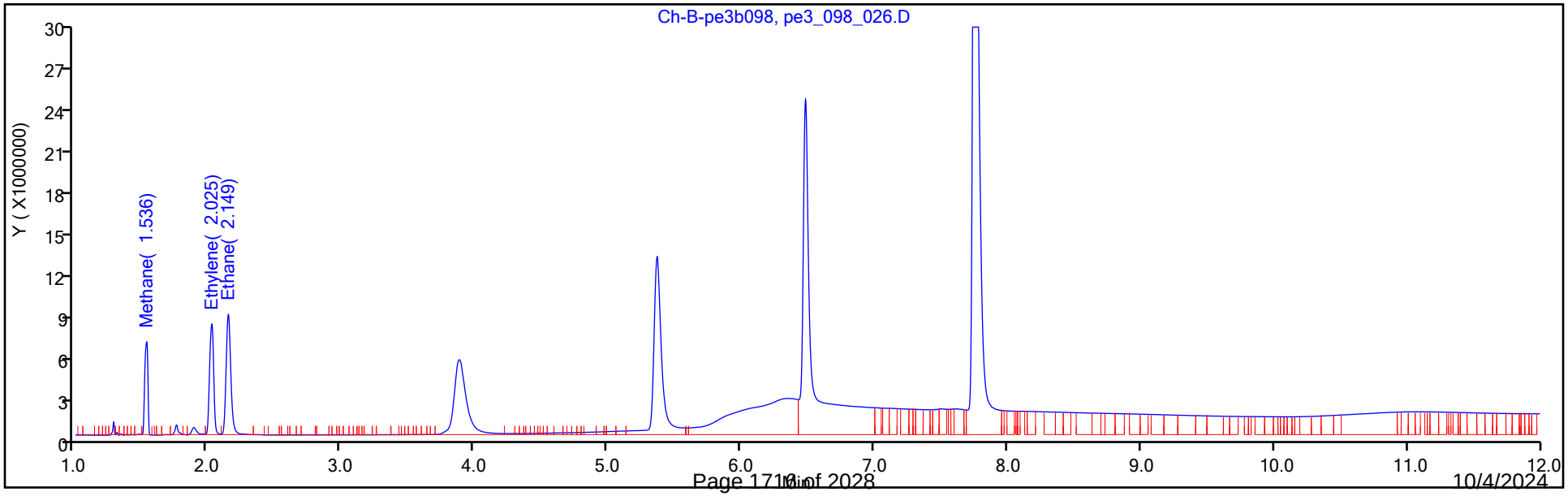
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_026.D

Injection Date:	25-Jun-2024 12:15:50	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_027.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jun-2024 12:34:42 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:14 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: RH3X Date: 26-Jun-2024 06:38:53

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.528	-0.001	29331964	78.0	78.3	
2	1.535	1.536	-0.001	23512290	78.0	75.3	
2 Ethane							
1	1.979	1.980	-0.001	57058982	146.2	151.8	
2	2.148	2.149	-0.001	46089197	146.2	142.4	
3 Ethylene							
1	2.741	2.747	-0.006	45882869	136.1	138.2	
2	2.024	2.025	-0.001	36775663	136.1	131.8	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 200.00 Units: uL

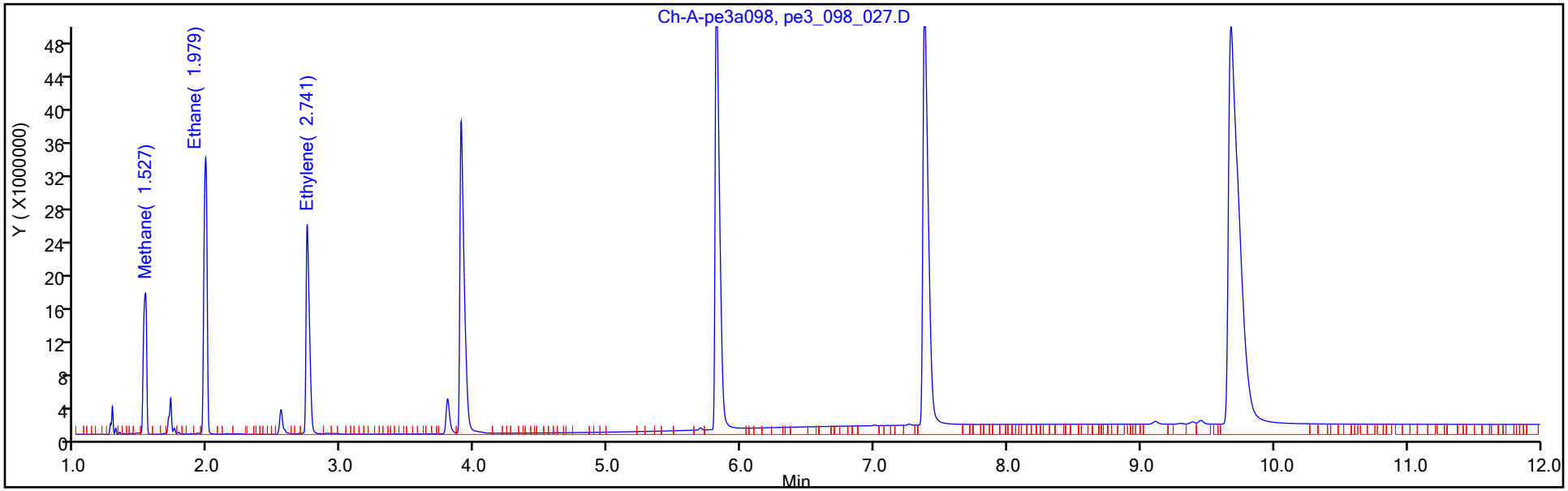
Report Date: 27-Jun-2024 06:17:14 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

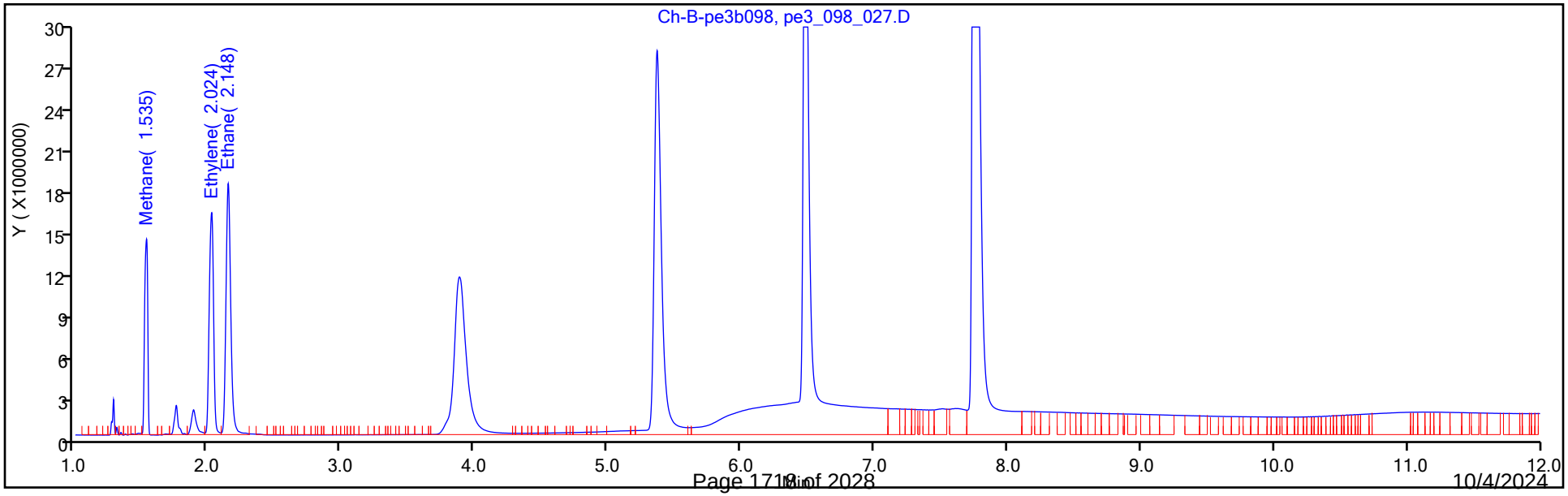
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_027.D

Injection Date:	25-Jun-2024 12:34:42	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_029.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 25-Jun-2024 13:12:25 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:14 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: O0RH Date: 26-Jun-2024 09:21:41

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.528	-0.001	88854269	234.1	237.5	
2	1.535	1.536	-0.001	74615670	234.1	237.4	
2 Ethane							
1	1.979	1.980	-0.001	173185350	438.5	461.3	
2	2.147	2.149	-0.002	145179437	438.5	444.9	
3 Ethylene							
1	2.737	2.747	-0.010	138077591	408.2	416.2	
2	2.023	2.025	-0.002	116235521	408.2	413.0	

QC Flag Legend

Processing Flags

Reagents:

_RSK_STK_00029 Amount Added: 600.00 Units: uL

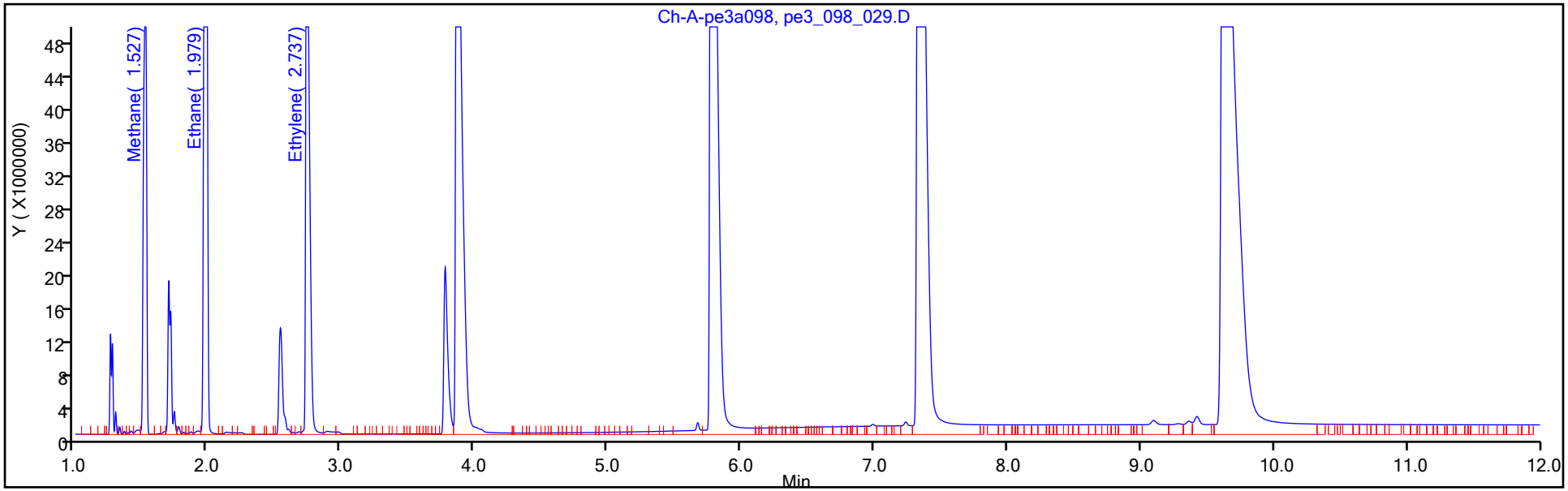
Report Date: 27-Jun-2024 06:17:15 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

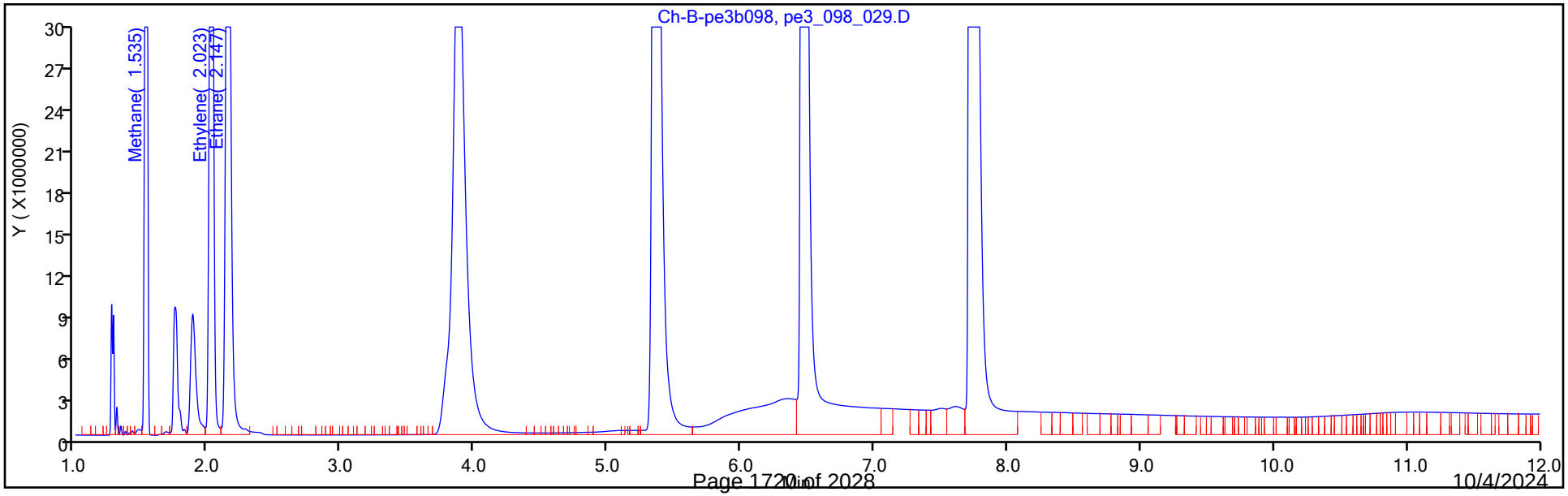
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_029.D

Injection Date:	25-Jun-2024 13:12:25	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_030.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 25-Jun-2024 13:31:17 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:15 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: RH3X Date: 25-Jun-2024 13:50:10

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.528	0.000	112613596	312.2	301.0	
2	1.536	1.536	0.000	95297691	312.2	303.0	
2 Ethane							
1	1.985	1.980	0.005	204163641	584.6	543.8	
2	2.147	2.149	-0.002	183200989	584.6	560.9	
3 Ethylene							
1	2.739	2.747	-0.008	172176726	544.3	519.0	
2	2.023	2.025	-0.002	145987951	544.3	518.3	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 800.00 Units: uL

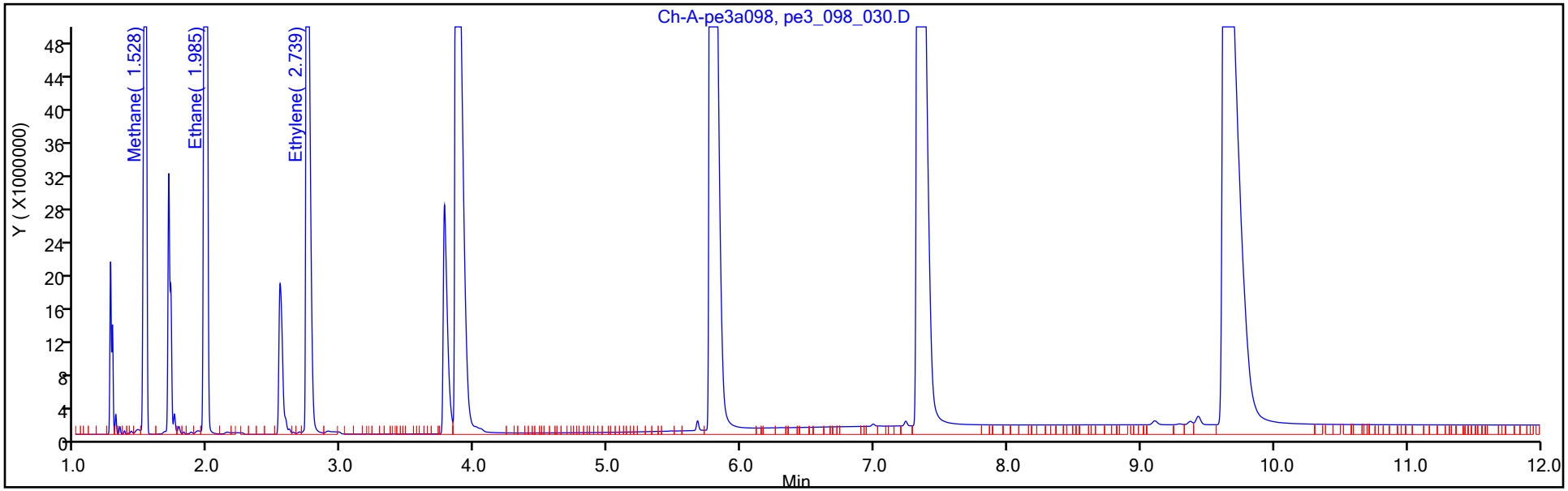
Report Date: 27-Jun-2024 06:17:16 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

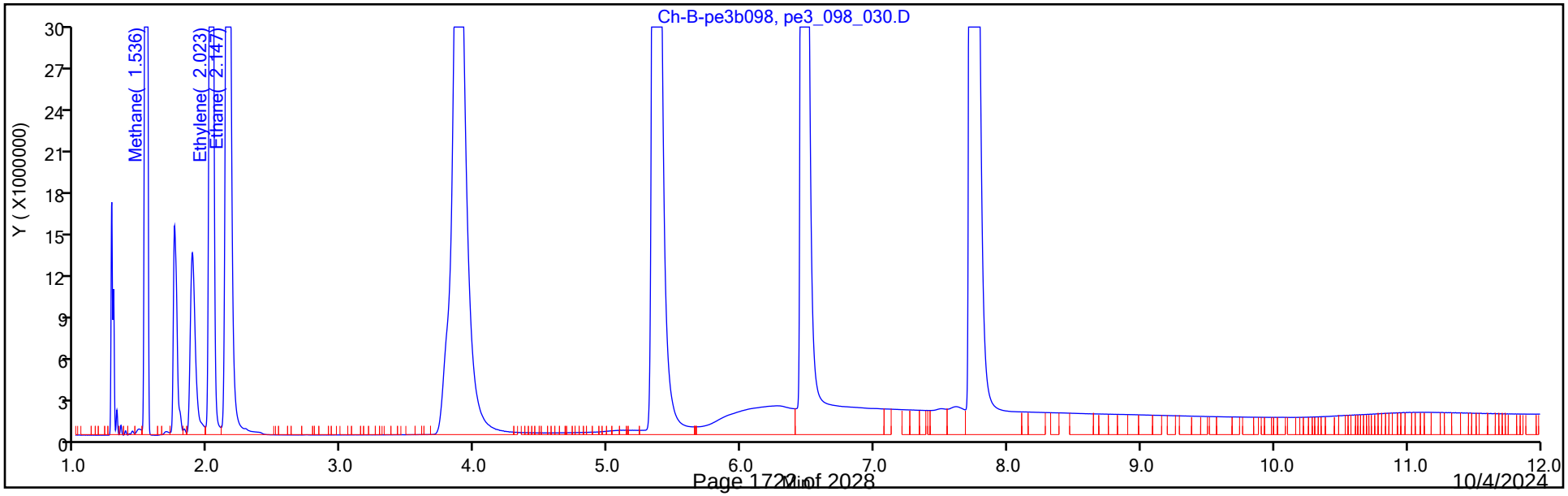
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_030.D

Injection Date:	25-Jun-2024 13:31:17	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_031.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 25-Jun-2024 13:50:09 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:16 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: RH3X Date: 25-Jun-2024 14:10:17

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.528	0.000	149439749	390.2	399.4	
2	1.536	1.536	0.000	127008672	390.2	403.5	
2 Ethane							
1	1.989	1.980	0.009	228944740	730.8	609.9	
2	2.145	2.149	-0.004	246659919	730.8	754.7	
3 Ethylene							
1	2.739	2.747	-0.008	228682851	680.4	689.4	
2	2.023	2.025	-0.002	199524751	680.4	707.8	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 1000.00 Units: uL

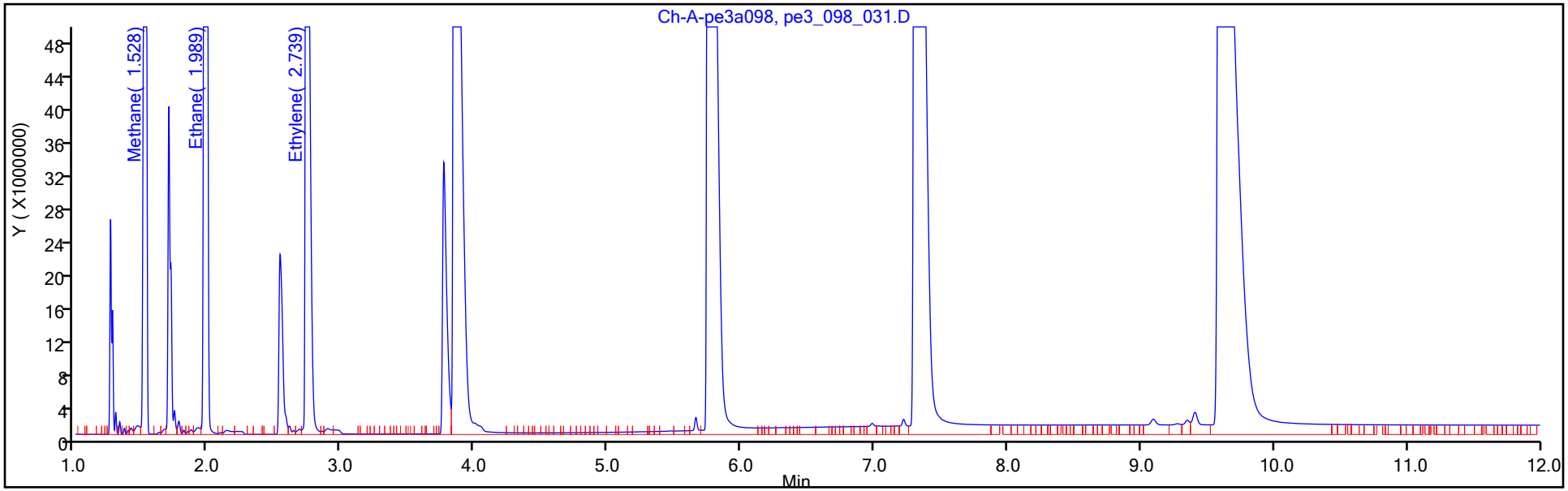
Report Date: 27-Jun-2024 06:17:16 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

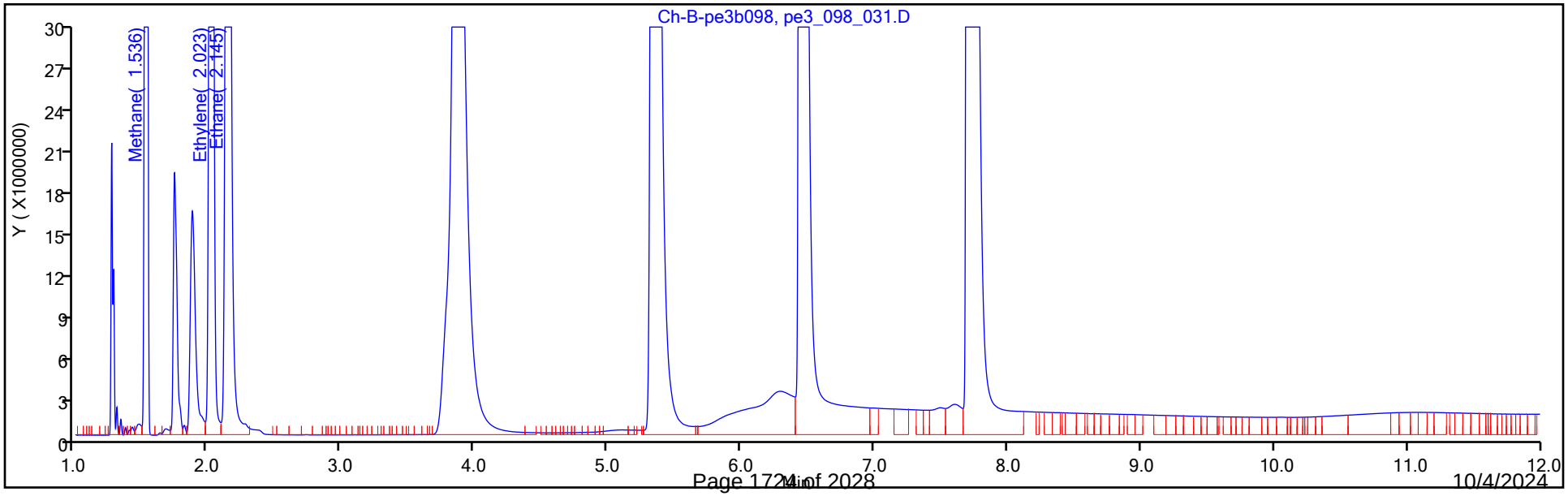
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_031.D

Injection Date:	25-Jun-2024 13:50:09	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



10/4/2024
12:15:34 PM

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jun-2024 14:09:01 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:17:17 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: RH3X Date: 25-Jun-2024 14:28:05

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.528	-0.001	58321790	156.1	155.8	
2	1.535	1.536	-0.001	48610610	156.1	154.9	
2 Ethane							
1	1.981	1.980	0.001	115245787	292.3	306.8	
2	2.147	2.149	-0.002	96191079	292.3	295.3	
3 Ethylene							
1	2.748	2.747	0.001	93135326	272.1	280.7	
2	2.023	2.025	-0.002	77607748	272.1	276.3	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 400.00 Units: uL

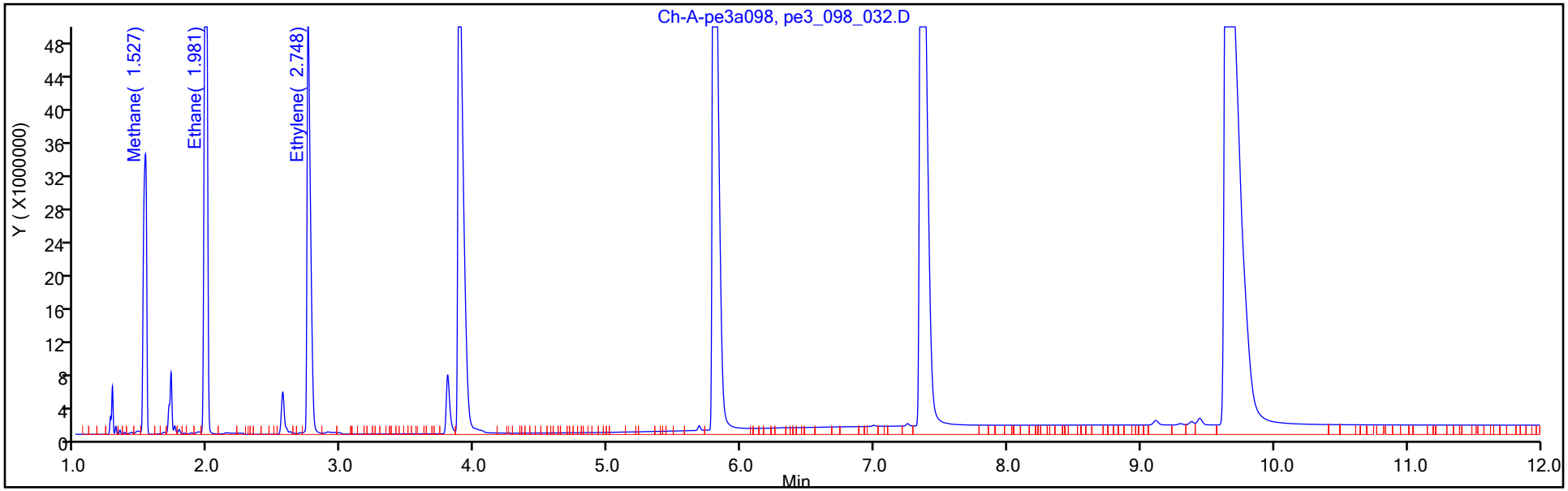
Report Date: 27-Jun-2024 06:17:17 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

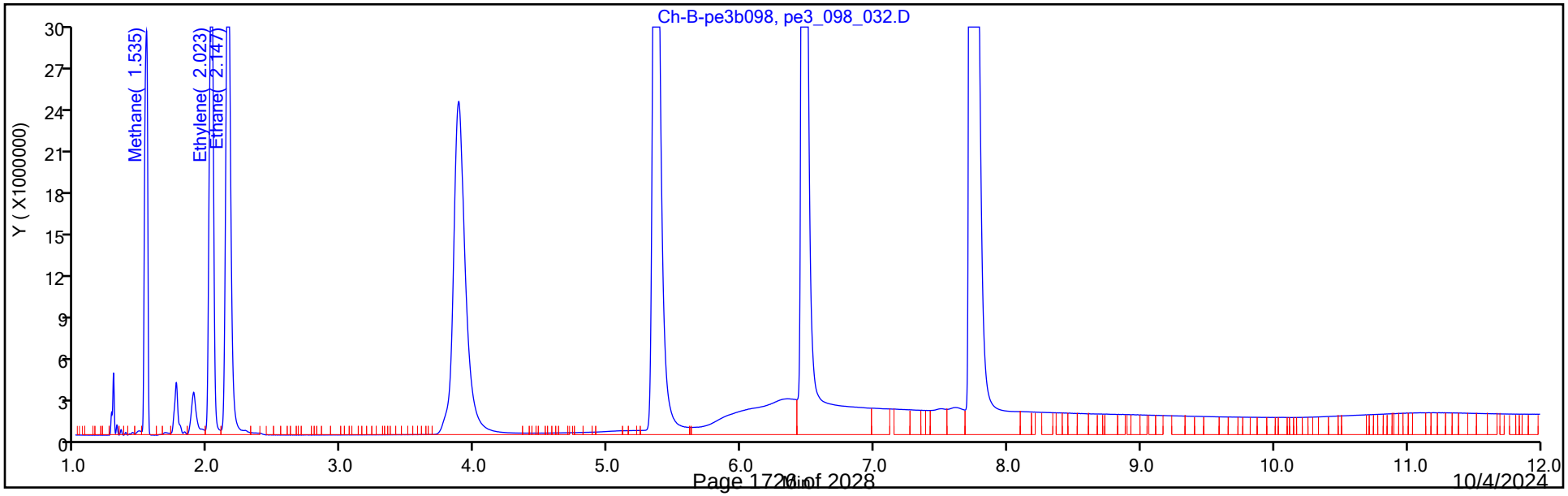
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Injection Date:	25-Jun-2024 14:09:01	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



10/4/2024
12:15:34 PM

Calibration / Methane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

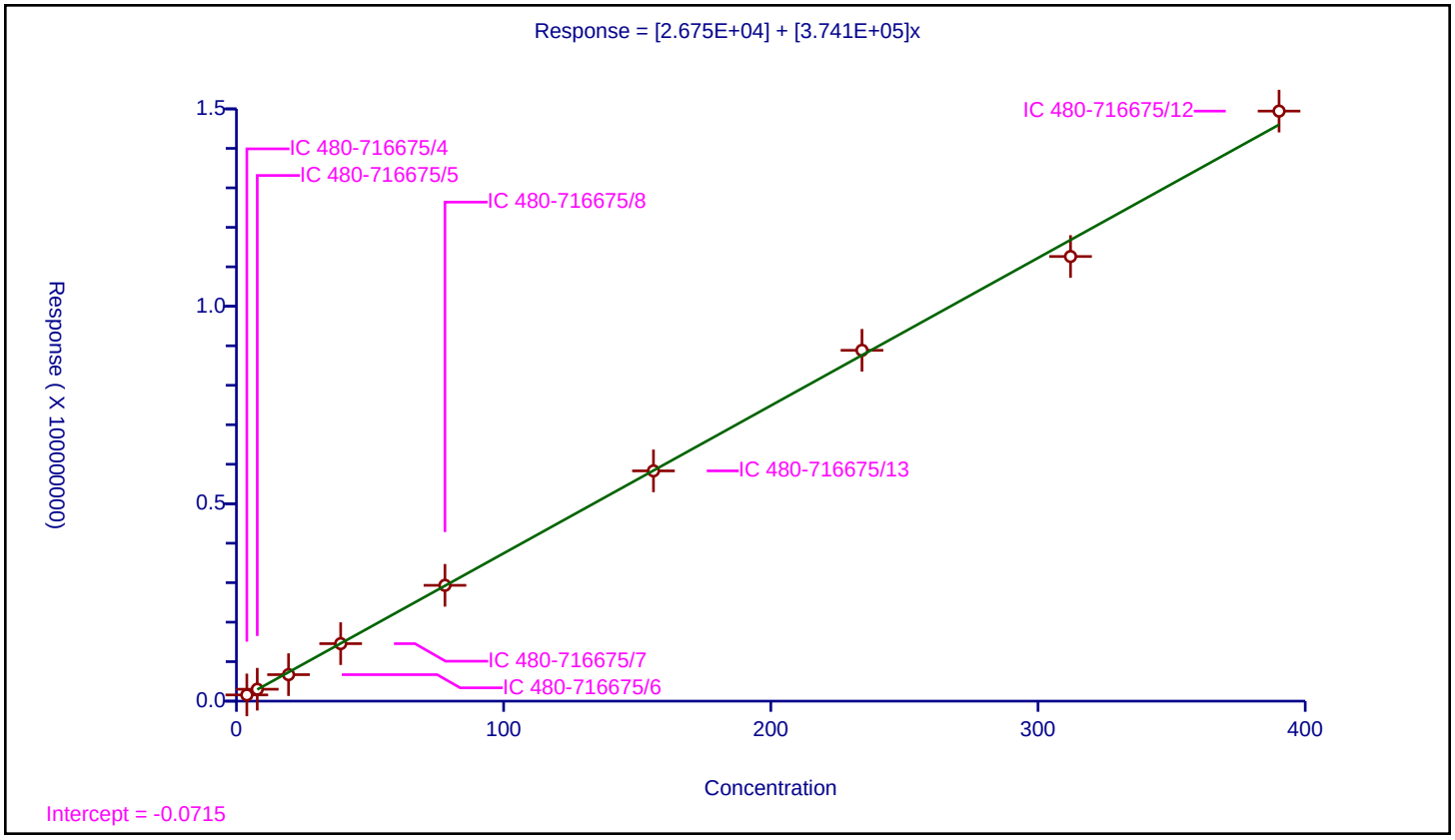
Curve Coefficients

Intercept:	2.675E+04
Slope:	3.741E+05

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 480-716675/4	3.902118	1573752.0			403307.163527	Y
2	IC 480-716675/5	7.804235	3017887.0			386698.617644	Y
3	IC 480-716675/6	19.510588	6710329.0			343932.685118	Y
4	IC 480-716675/7	39.021176	14561071.0			373158.175048	Y
5	IC 480-716675/8	78.042353	29331964.0			375846.740834	Y
6	IC 480-716675/13	156.084706	58321790.0			373654.738754	Y
7	IC 480-716675/10	234.127059	88854269.0			379513.027868	Y
8	IC 480-716675/11	312.169412	112613596.0			360745.13311	Y
9	IC 480-716675/12	390.211765	149439749.0			382970.895592	Y



Calibration / Ethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

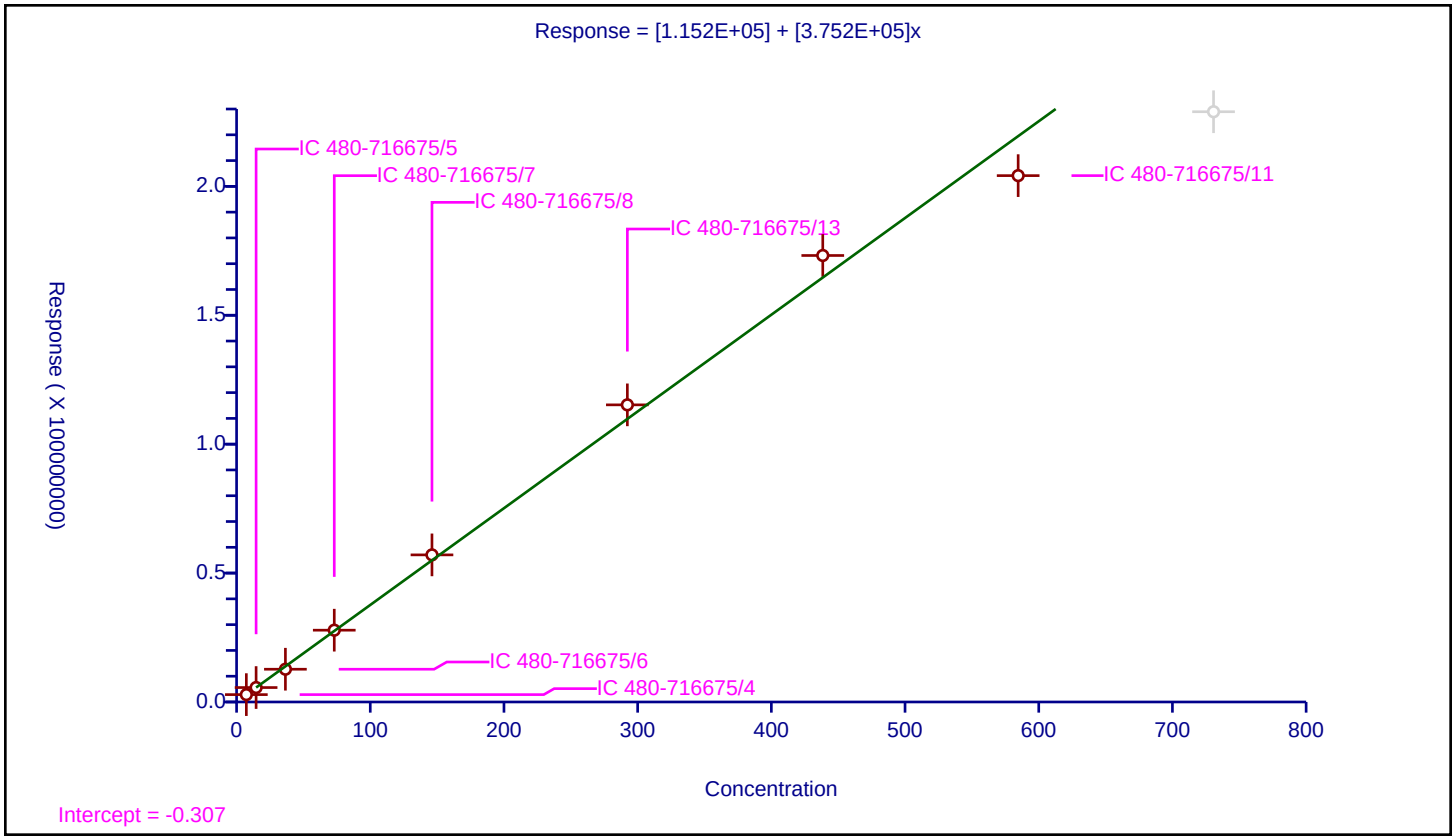
Curve Coefficients

Intercept:	1.152E+05
Slope:	3.752E+05

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 480-716675/4	7.307647	2855092.0			390699.219191	Y
2	IC 480-716675/5	14.615294	5601715.0			383277.610079	Y
3	IC 480-716675/6	36.538235	12709485.0			347840.690655	Y
4	IC 480-716675/7	73.076471	27845288.0			381043.142558	Y
5	IC 480-716675/8	146.152941	57058982.0			390405.978427	Y
6	IC 480-716675/13	292.305882	115245787.0			394264.34416	Y
7	IC 480-716675/10	438.458824	173185350.0			394986.577316	Y
8	IC 480-716675/11	584.611765	204163641.0			349229.443069	Y
9	IC 480-716675/12	730.764706	228944740.0			313294.742011	N



10/4/2024
12:15:34 PM

Calibration / Ethylene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

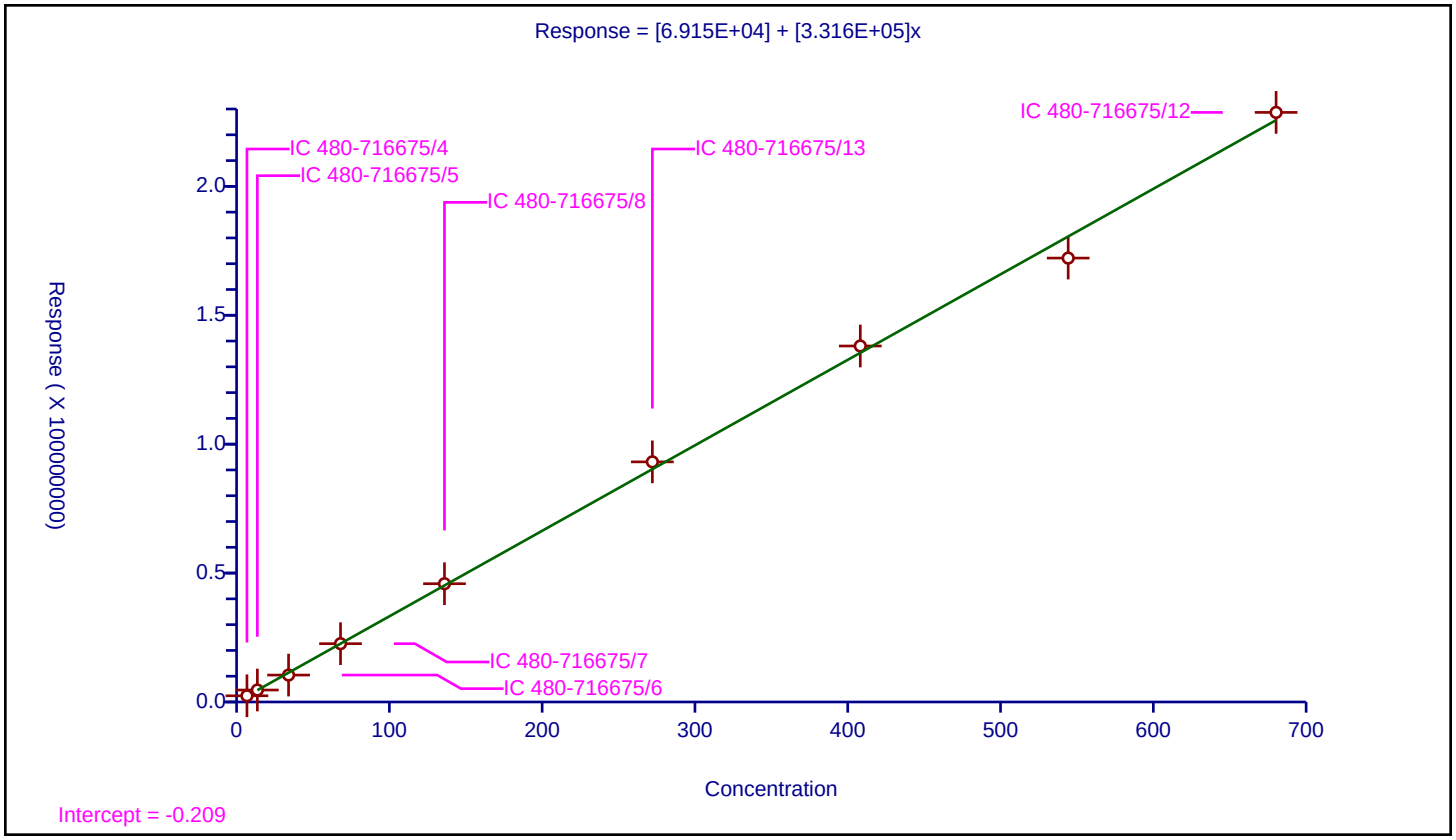
Curve Coefficients

Intercept:	6.915E+04
Slope:	3.316E+05

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 480-716675/4	6.803529	2402447.0			353117.750301	Y
2	IC 480-716675/5	13.607059	4643938.0			341288.88985	Y
3	IC 480-716675/6	34.017647	10443590.0			307005.066575	Y
4	IC 480-716675/7	68.035294	22611019.0			332342.489193	Y
5	IC 480-716675/8	136.070588	45882869.0			337199.019972	Y
6	IC 480-716675/13	272.141176	93135326.0			342231.657877	Y
7	IC 480-716675/10	408.211765	138077591.0			338249.905902	Y
8	IC 480-716675/11	544.282353	172176726.0			316337.145729	Y
9	IC 480-716675/12	680.352941	228682851.0			336123.851548	Y



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-716675/14 Calibration Date: 06/25/2024 14:27

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_098_033.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		365950		38.1	39.0	-2.4	15.0
Ethane	Lin1		381490		74.0	73.1	1.3	15.0
Ethene	Lin1		331028		67.7	68.0	-0.5	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICV 480-716675/14 Calibration Date: 06/25/2024 14:27

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_098_033.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.98	1.73	2.23
Ethene	2.76	2.50	3.00

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_033.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 25-Jun-2024 14:27:54 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist:

Method: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Jun-2024 06:24:41 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1667

First Level Reviewer: RH3X Date: 27-Jun-2024 06:24:41

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.528	-0.001	14279814	39.0	38.1	
2	1.535	1.536	-0.001	11353124	39.0	36.8	
2 Ethane							
1	1.984	1.980	0.004	27877973	73.1	74.0	
2	2.148	2.149	-0.001	22677574	73.1	70.9	
3 Ethylene							
1	2.763	2.747	0.016	22521555	68.0	67.7	
2	2.024	2.025	-0.001	17828772	68.0	64.7	

QC Flag Legend

Processing Flags

Reagents:

_RSK_STK_00028 Amount Added: 100.00 Units: uL

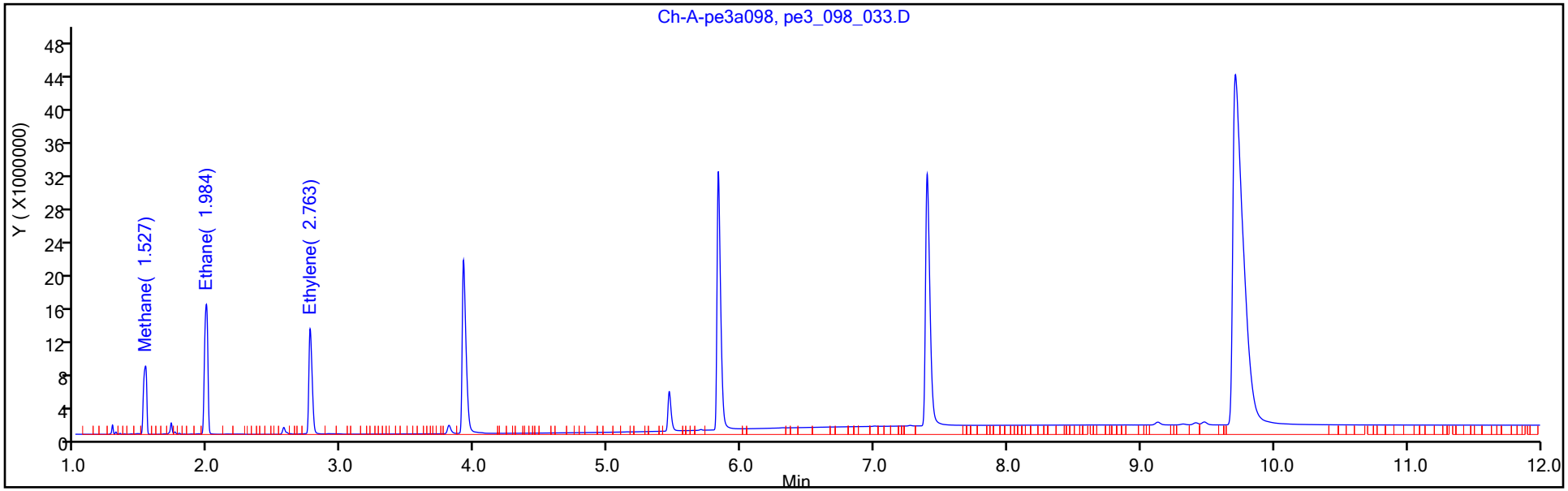
Report Date: 27-Jun-2024 06:24:41 Chrom Revision: 2.3 24-Jun-2024 12:25:02

Eurofins Buffalo

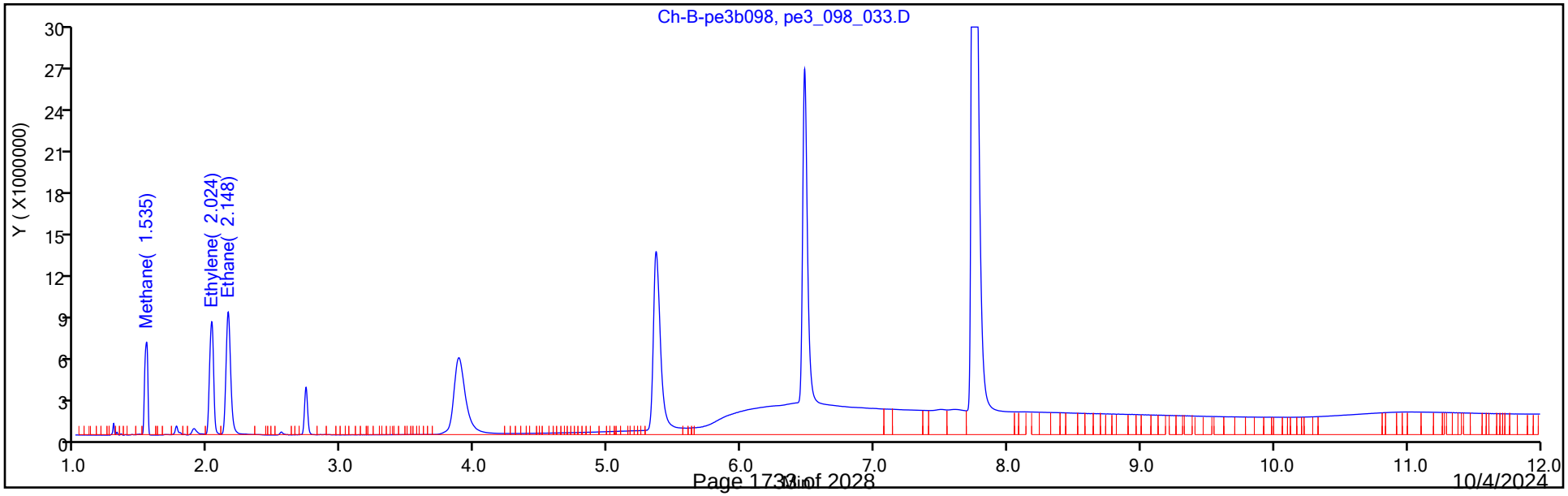
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_033.D

Injection Date:	25-Jun-2024 14:27:54	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ICV			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726126/6 Calibration Date: 09/25/2024 10:43

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_128.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		335485		34.9	39.0	-10.5	15.0
Ethane	Lin1		346024		67.1	73.1	-8.2	15.0
Ethene	Lin1		303879		62.1	68.0	-8.7	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726126/6 Calibration Date: 09/25/2024 10:43

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_128.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.95	1.70	2.20
Ethene	2.67	2.42	2.92

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_128.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 25-Sep-2024 10:43:32 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:58 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

First Level Reviewer: RH3X Date: 25-Sep-2024 11:09:19

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.525	1.525	0.000	13091015	39.0	34.9	
2	1.535	1.535	0.000	10208860	39.0	33.1	
2 Ethane							
1	1.947	1.947	0.000	25286245	73.1	67.1	
2	2.143	2.143	0.000	20221073	73.1	63.4	
3 Ethylene							
1	2.665	2.665	0.000	20674509	68.0	62.1	
2	2.019	2.019	0.000	16145675	68.0	58.8	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 100.00 Units: uL

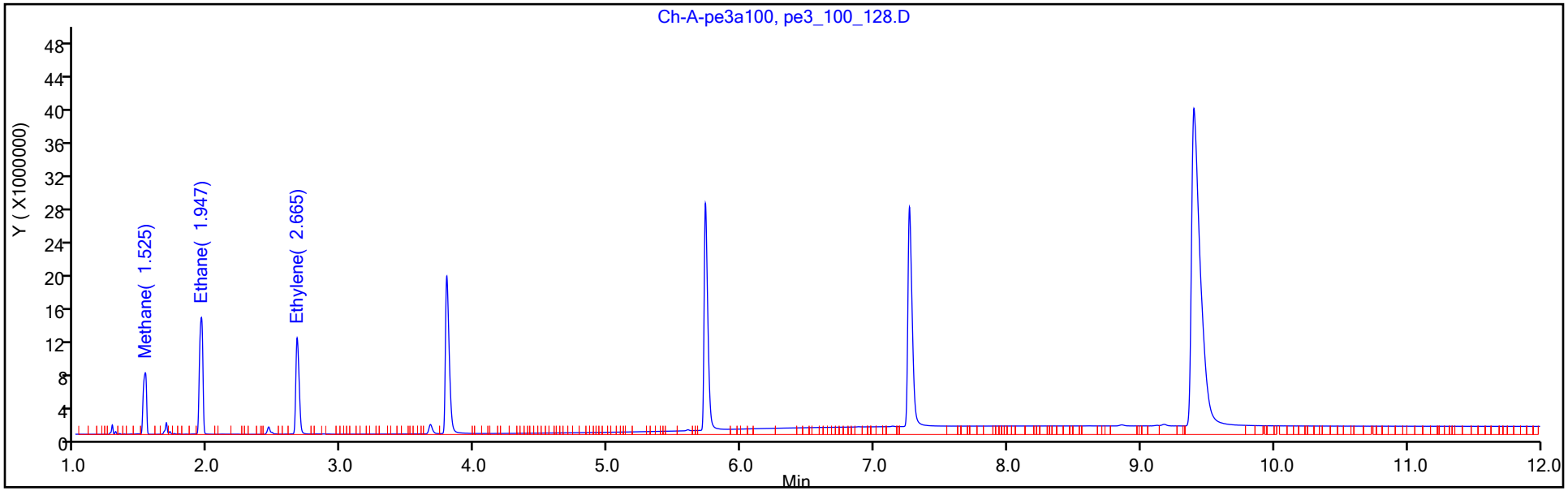
Report Date: 25-Sep-2024 14:56:59 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

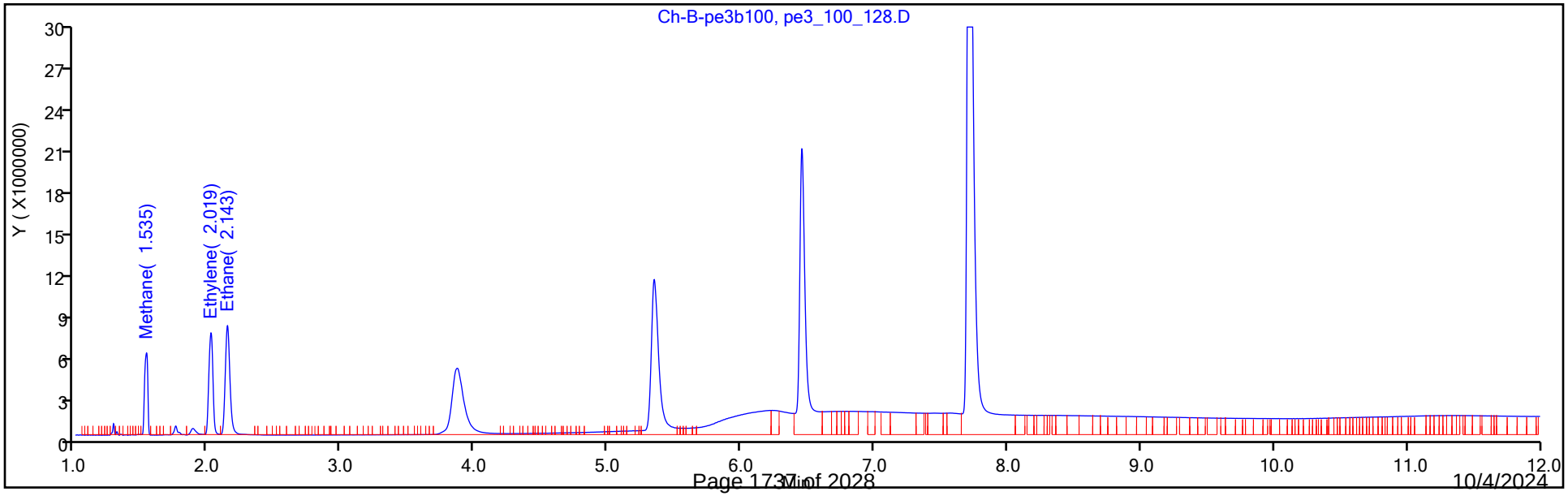
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_128.D

Injection Date:	25-Sep-2024 10:43:32	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726126/17 Calibration Date: 09/25/2024 14:39

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_139.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		328262		34.2	39.0	-12.4	15.0
Ethane	Lin1		335991		65.1	73.1	-10.9	15.0
Ethene	Lin1		293478		60.0	68.0	-11.8	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726126/17 Calibration Date: 09/25/2024 14:39

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_139.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.96	1.70	2.20
Ethene	2.73	2.42	2.92

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_139.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 25-Sep-2024 14:39:57 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:57 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

First Level Reviewer: X0SW Date: 25-Sep-2024 14:56:00

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.525	0.002	12809187	39.0	34.2	
2	1.535	1.535	0.000	9969786	39.0	32.4	
2 Ethane							
1	1.964	1.947	0.017	24553065	73.1	65.1	
2	2.141	2.143	-0.002	19298353	73.1	60.6	
3 Ethylene							a
1	2.727	2.665	0.062	19966879	68.0	60.0	a
2	2.019	2.019	0.000	15483837	68.0	56.4	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

_RSK_STK_00029 Amount Added: 100.00 Units: uL

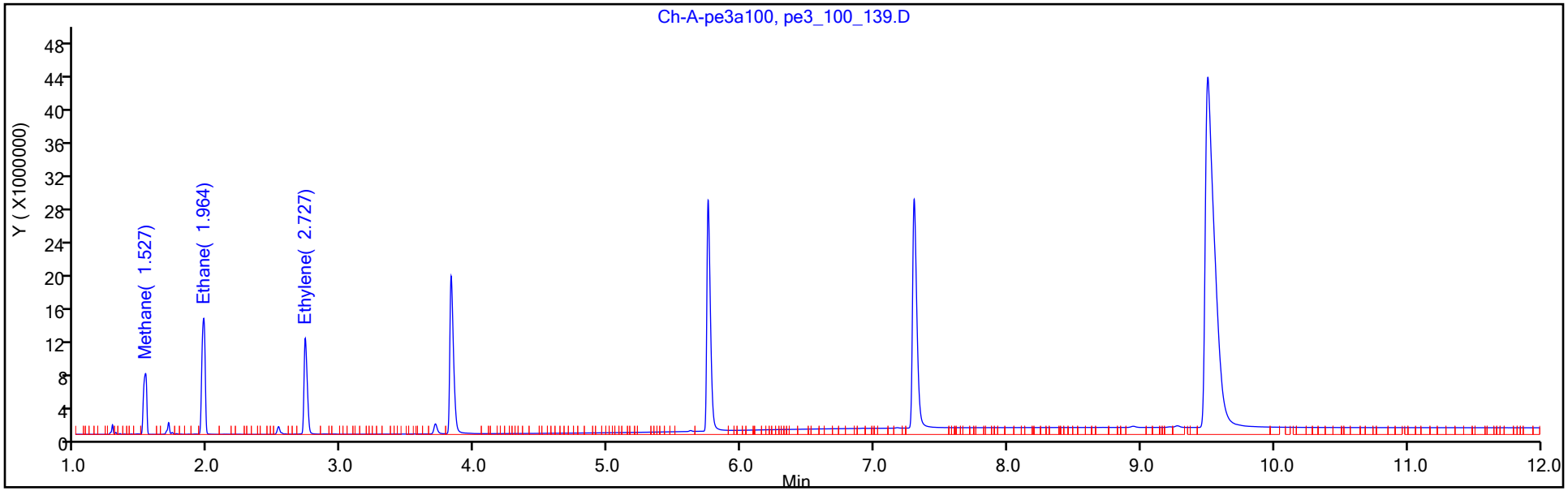
Report Date: 25-Sep-2024 14:56:57 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

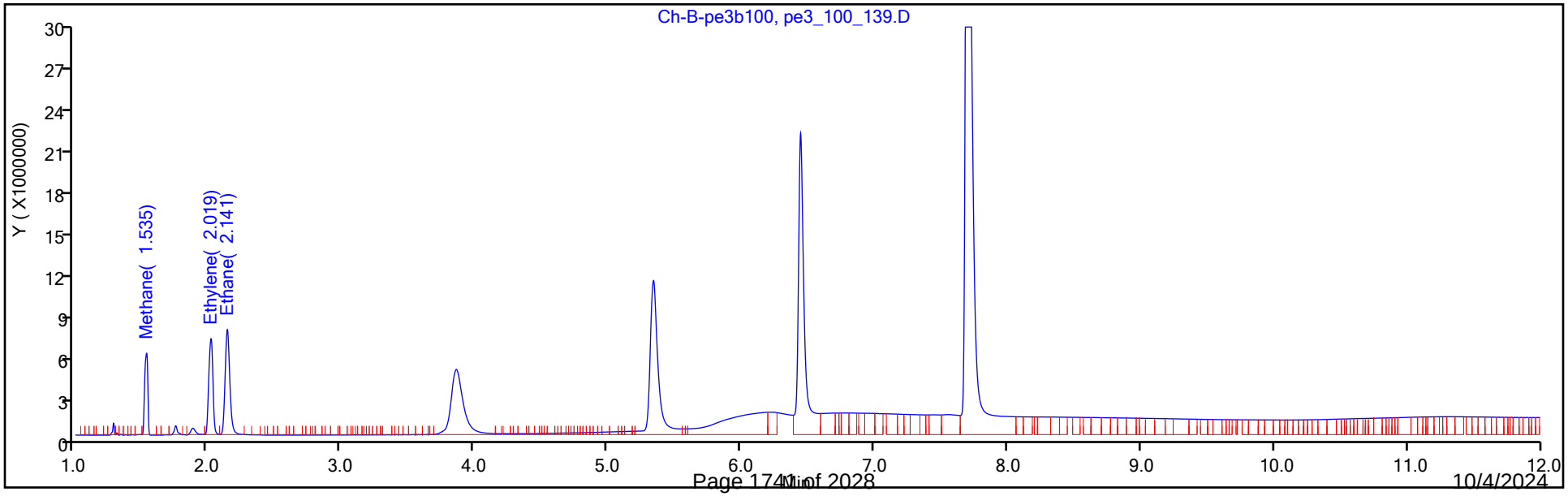
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_139.D

Injection Date:	25-Sep-2024 14:39:57	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Buffalo

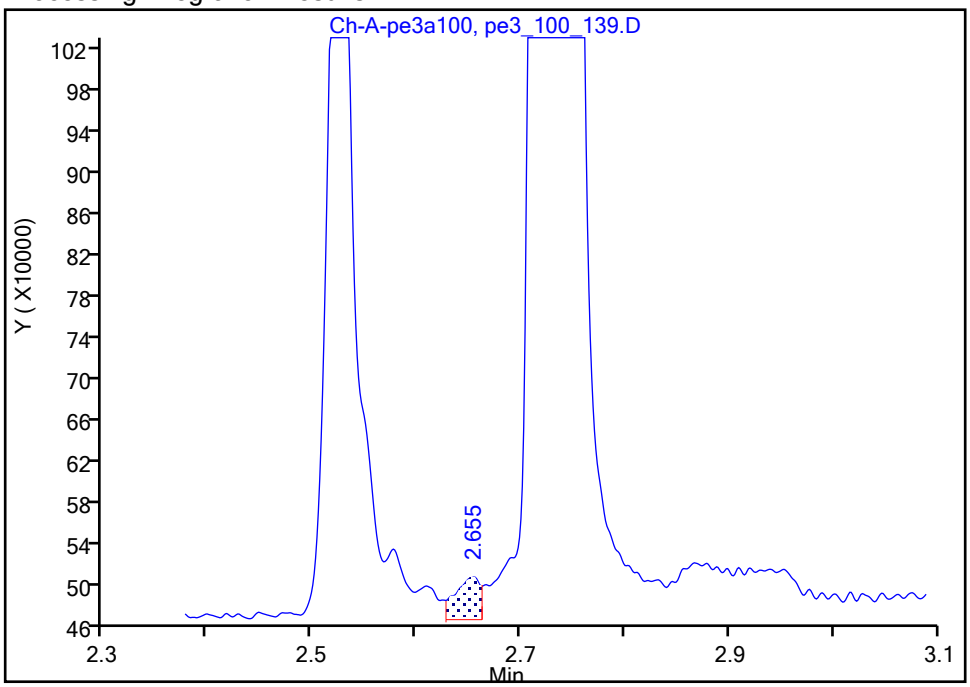
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_139.D
Injection Date: 25-Sep-2024 14:39:57 Instrument ID: PE-03
Lims ID: ccv
Client ID:
Operator ID: tchrom ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: rsk175 Limit Group: GC - RSK175 ICAL
Column: Alumina (0.00 mm) Detector Ch-A-21a09074

3 Ethylene, CAS: 74-85-1

Signal: 1

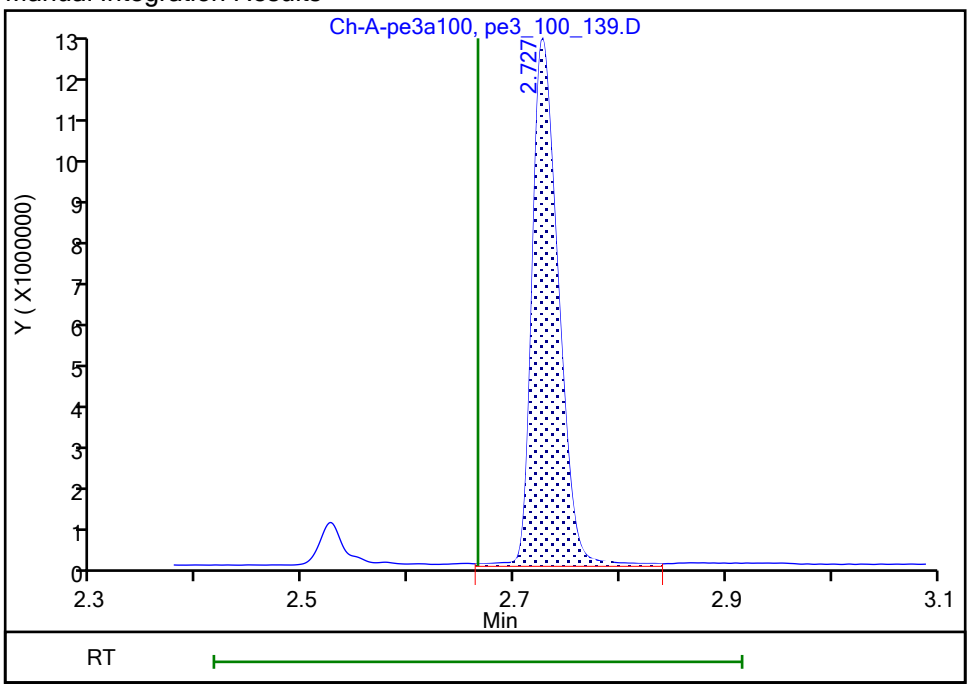
Processing Integration Results

RT: 2.65
Area: 66154
Amount: -0.009021
Amount Units: ug/l



Manual Integration Results

RT: 2.73
Area: 19966879
Amount: 60.004388
Amount Units: ug/l



Reviewer: X0SW, 25-Sep-2024 14:55:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Shouldering

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726287/3 Calibration Date: 09/26/2024 11:36

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_142.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		381893		39.8	39.0	1.9	15.0
Ethane	Lin1		393167		76.3	73.1	4.4	15.0
Ethene	Lin1		338160		69.2	68.0	1.7	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726287/3 Calibration Date: 09/26/2024 11:36

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_142.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.96	1.71	2.21
Ethene	2.70	2.45	2.95

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_142.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 26-Sep-2024 11:36:37 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 26-Sep-2024 12:22:51

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.527	0.000	14901899	39.0	39.8	
2	1.535	1.535	0.000	11579985	39.0	37.5	
2 Ethane							
1	1.957	1.957	0.000	28731286	73.1	76.3	
2	2.141	2.141	0.000	22644784	73.1	70.8	
3 Ethylene							
1	2.696	2.696	0.000	23006821	68.0	69.2	
2	2.019	2.019	0.000	17860694	68.0	64.9	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 100.00 Units: uL

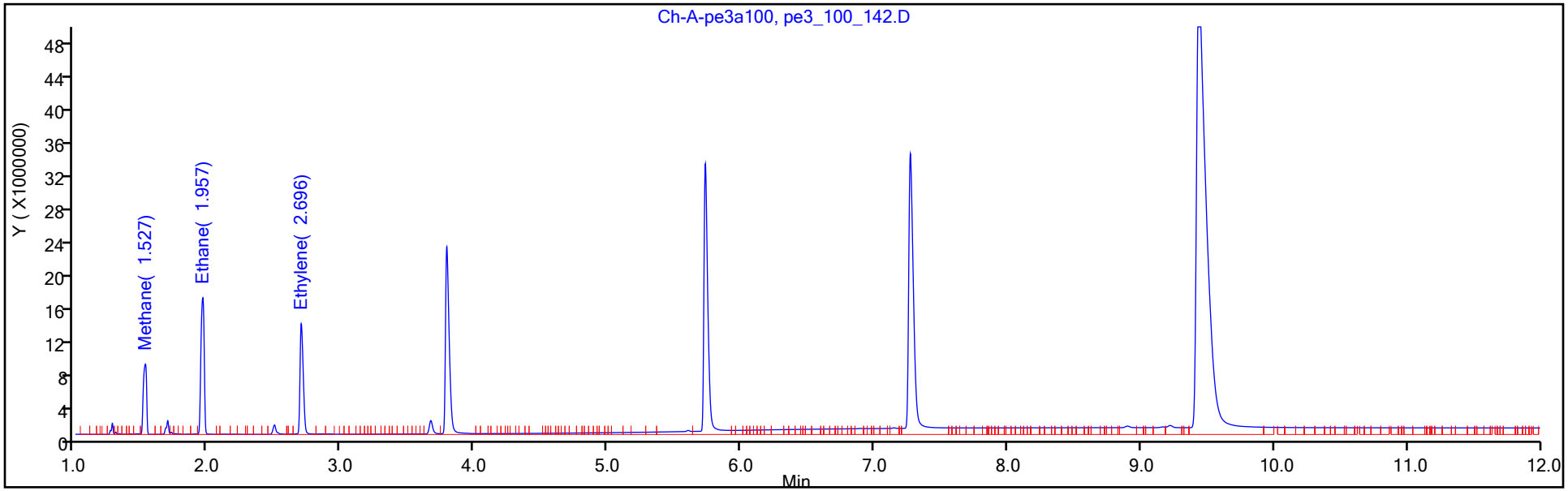
Report Date: 27-Sep-2024 06:05:31 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

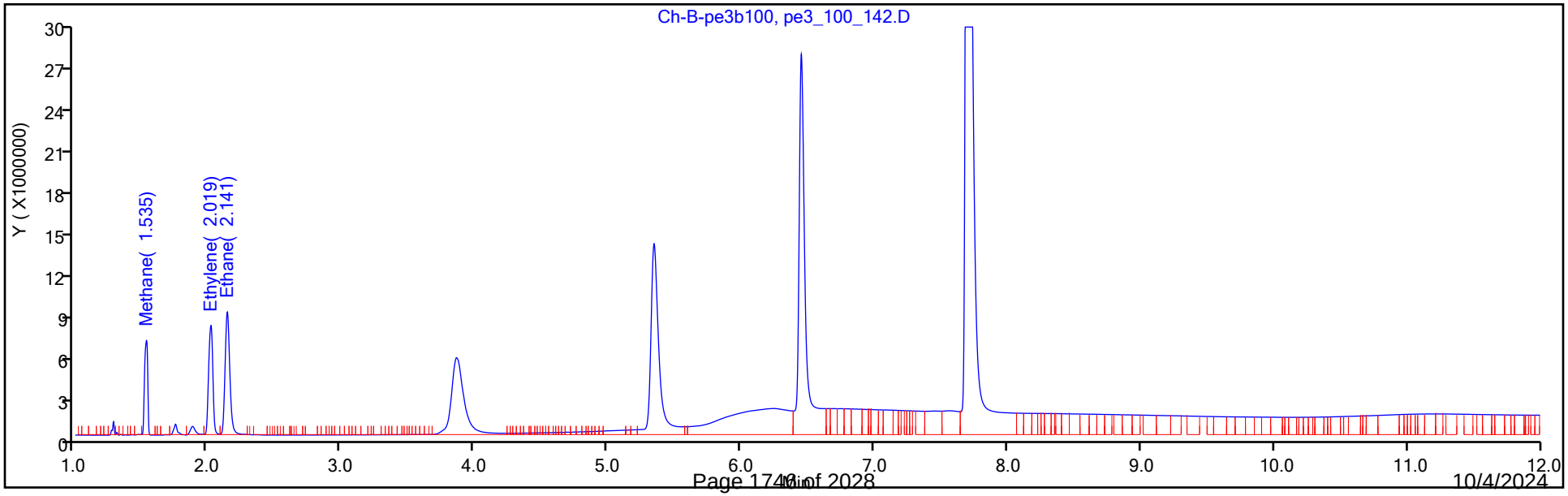
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_142.D

Injection Date:	26-Sep-2024 11:36:37	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726287/18 Calibration Date: 09/26/2024 16:28

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_157.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		374713		39.0	39.0	-0.0	15.0
Ethane	Lin1		384252		74.5	73.1	2.0	15.0
Ethene	Lin1		336902		68.9	68.0	1.3	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726287/18 Calibration Date: 09/26/2024 16:28

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_157.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.97	1.71	2.21
Ethene	2.74	2.45	2.95

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_157.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 26-Sep-2024 16:28:31 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:44 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 27-Sep-2024 06:04:48

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.527	0.000	14621732	39.0	39.0	
2	1.535	1.535	0.000	11403805	39.0	36.9	
2 Ethane							
1	1.967	1.957	0.010	28079788	73.1	74.5	
2	2.141	2.141	0.000	22206460	73.1	69.5	
3 Ethylene							a
1	2.736	2.696	0.040	22921215	68.0	68.9	a
2	2.019	2.019	0.000	17861516	68.0	64.9	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

_RSK_STK_00029 Amount Added: 100.00 Units: uL

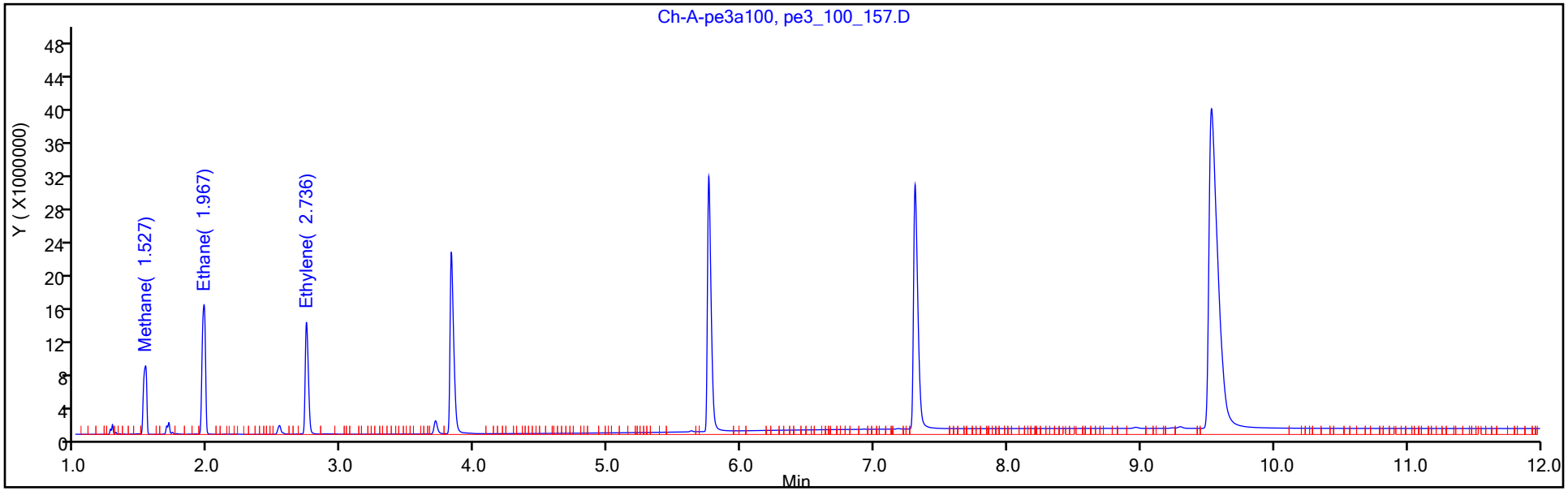
Report Date: 27-Sep-2024 06:05:44 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

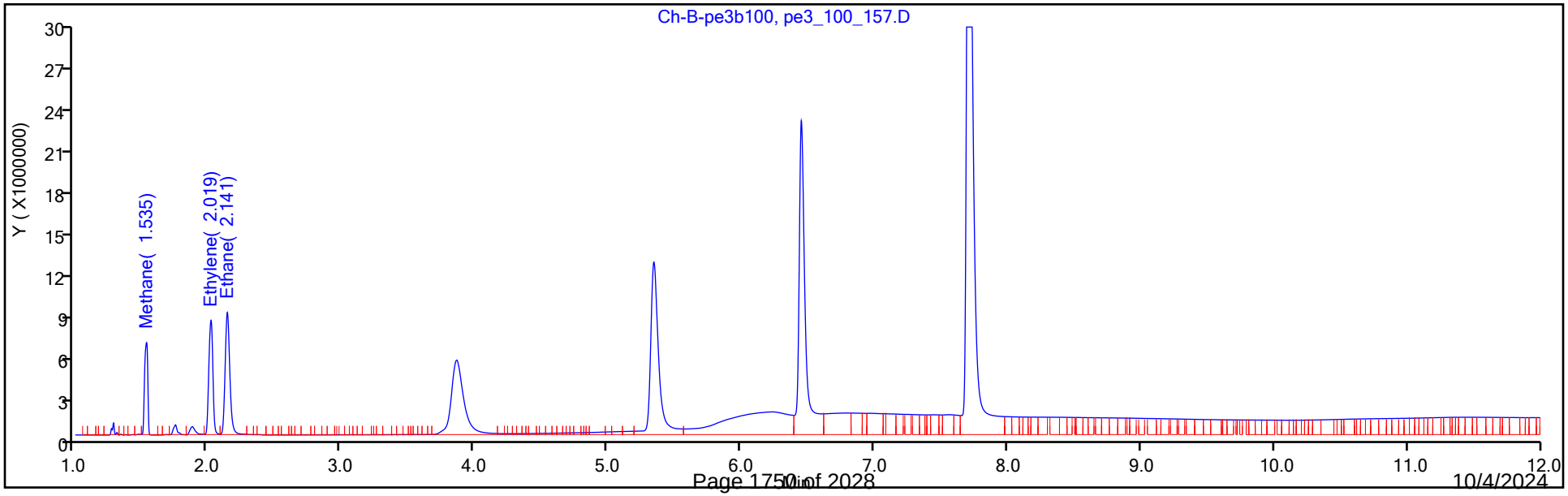
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_157.D

Injection Date:	26-Sep-2024 16:28:31	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins Buffalo

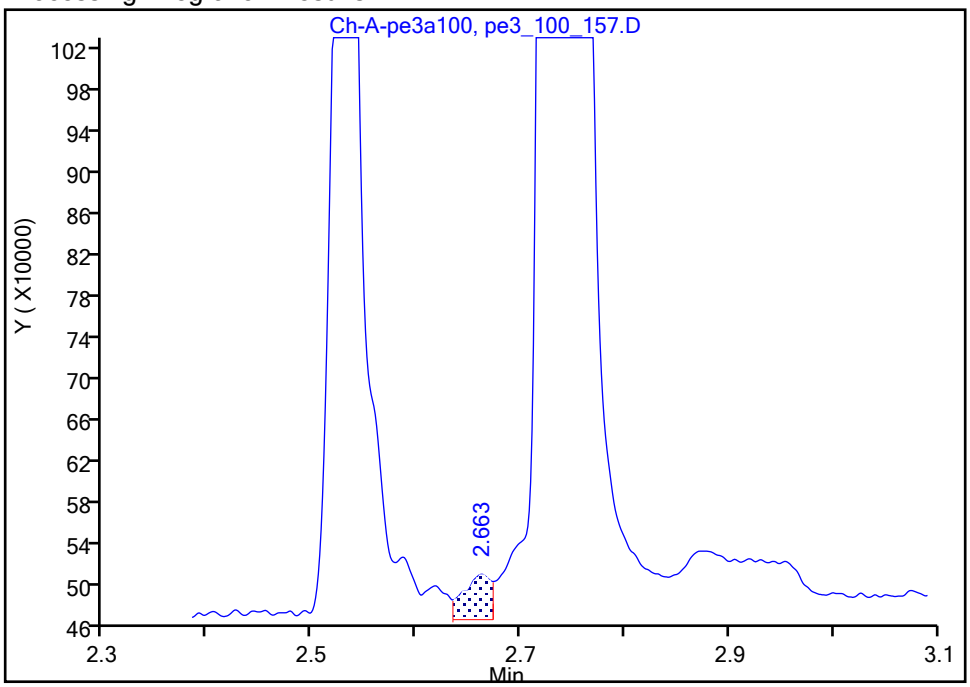
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_157.D
Injection Date: 26-Sep-2024 16:28:31 Instrument ID: PE-03
Lims ID: ccv
Client ID:
Operator ID: tchrom ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: rsk175 Limit Group: GC - RSK175 ICAL
Column: Alumina (0.00 mm) Detector Ch-A-21a09074

3 Ethylene, CAS: 74-85-1

Signal: 1

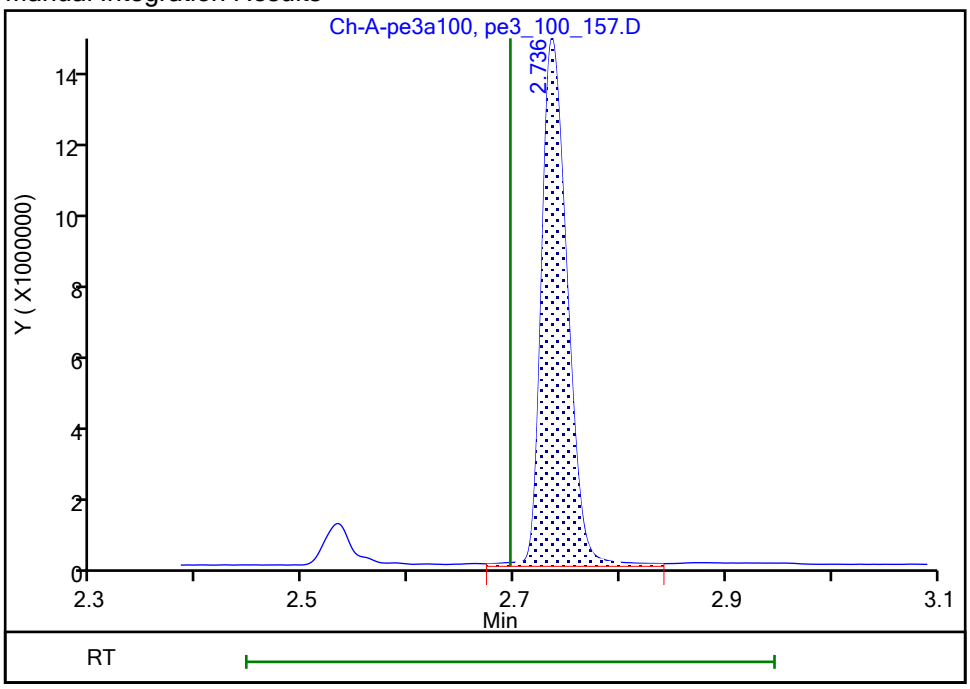
RT: 2.66
Area: 78894
Amount: 0.029398
Amount Units: ug/l

Processing Integration Results



RT: 2.74
Area: 22921215
Amount: 68.913600
Amount Units: ug/l

Manual Integration Results



Reviewer: RH3X, 27-Sep-2024 06:04:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726371/3 Calibration Date: 09/27/2024 08:42

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_160.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		383547		39.9	39.0	2.3	15.0
Ethane	Lin1		397575		77.1	73.1	5.5	15.0
Ethene	Lin1		345829		70.7	68.0	4.0	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726371/3 Calibration Date: 09/27/2024 08:42

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_160.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.96	1.71	2.21
Ethene	2.71	2.46	2.96

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_160.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 27-Sep-2024 08:42:52 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 13:13:34 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 27-Sep-2024 09:31:01

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.528	0.000	14966443	39.0	39.9	
2	1.536	1.536	0.000	11656821	39.0	37.7	
2 Ethane							
1	1.963	1.963	0.000	29053350	73.1	77.1	
2	2.141	2.141	0.000	23050700	73.1	72.0	
3 Ethylene							
1	2.712	2.712	0.000	23528547	68.0	70.7	
2	2.019	2.019	0.000	18288480	68.0	66.4	

QC Flag Legend

Processing Flags

Reagents:

_RSK_STK_00029 Amount Added: 100.00 Units: uL

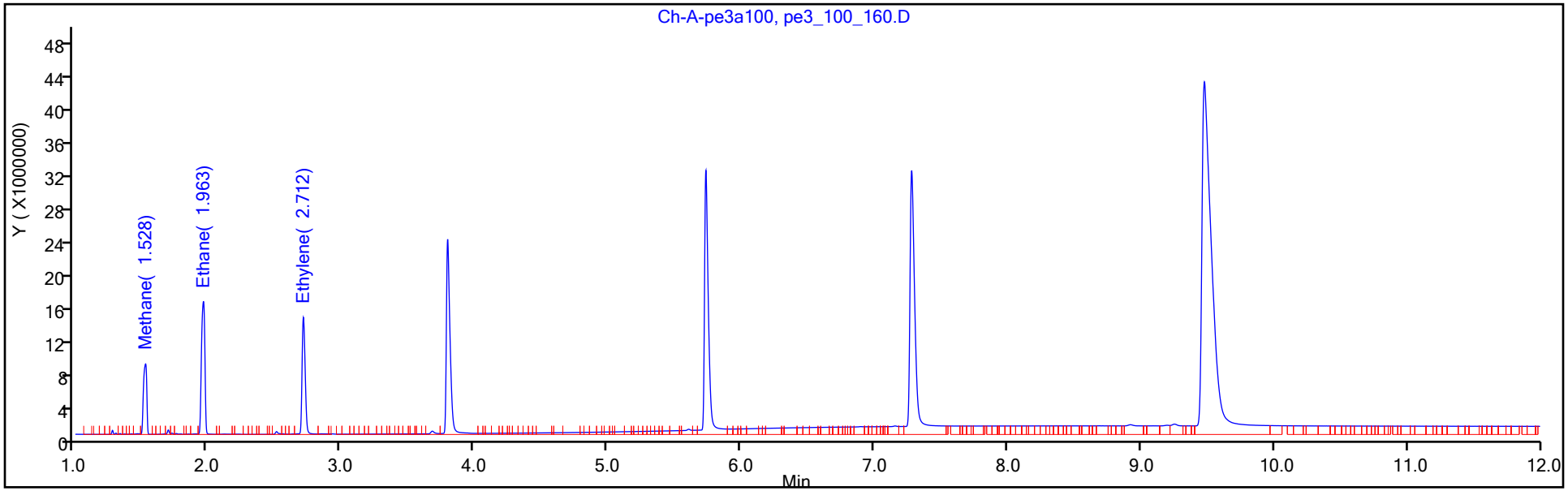
Report Date: 27-Sep-2024 13:13:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

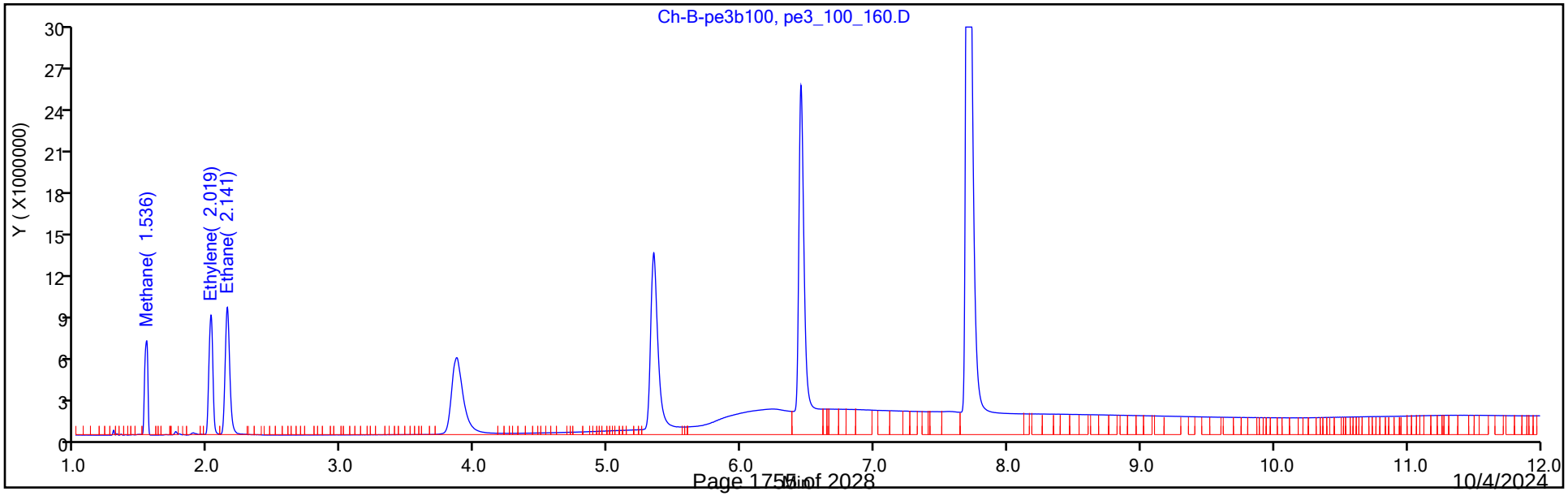
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_160.D

Injection Date:	27-Sep-2024 08:42:52	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726371/17 Calibration Date: 09/27/2024 13:12

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_174.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		395648		41.2	39.0	5.6	15.0
Ethane	Lin1		408165		79.2	73.1	8.4	15.0
Ethene	Lin1		357015		73.0	68.0	7.4	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726371/17 Calibration Date: 09/27/2024 13:12

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_174.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.97	1.72	2.22
Ethene	2.74	2.49	2.99

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_174.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 27-Sep-2024 13:12:51 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 13:51:49 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 27-Sep-2024 13:50:08

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.528	0.000	15438660	39.0	41.2	
2	1.536	1.536	0.000	12093321	39.0	39.1	
2 Ethane							
1	1.968	1.968	0.000	29827229	73.1	79.2	
2	2.143	2.143	0.000	23697848	73.1	74.0	
3 Ethylene							
1	2.737	2.737	0.000	24289627	68.0	73.0	
2	2.020	2.020	0.000	18981169	68.0	68.8	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 100.00 Units: uL

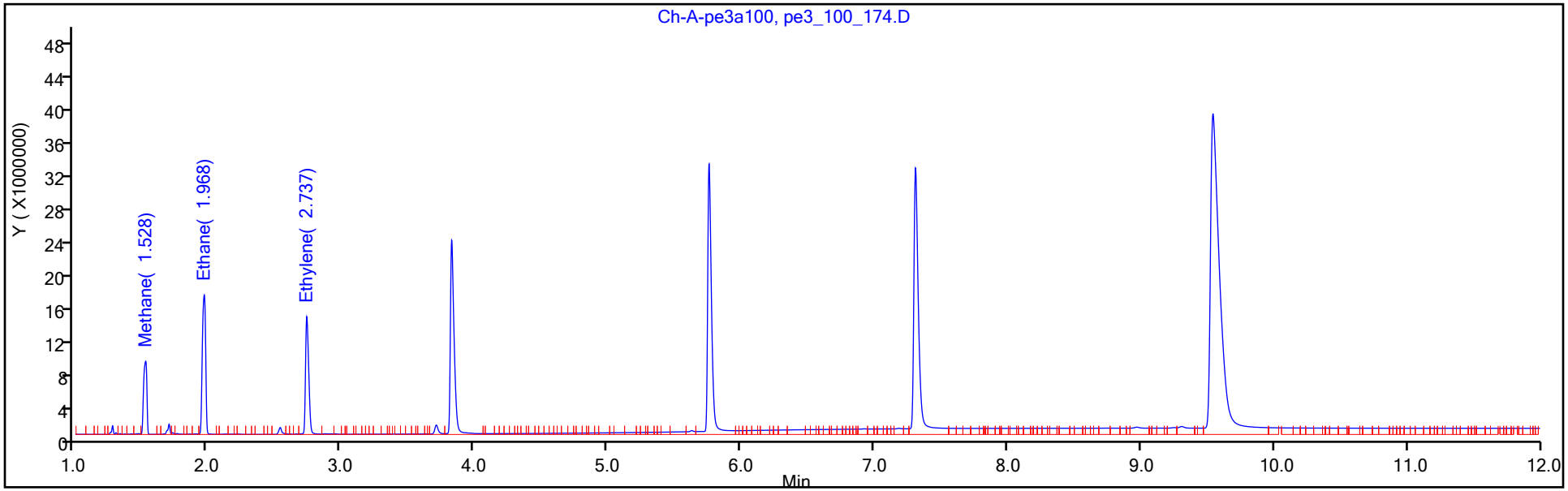
Report Date: 27-Sep-2024 13:51:49 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

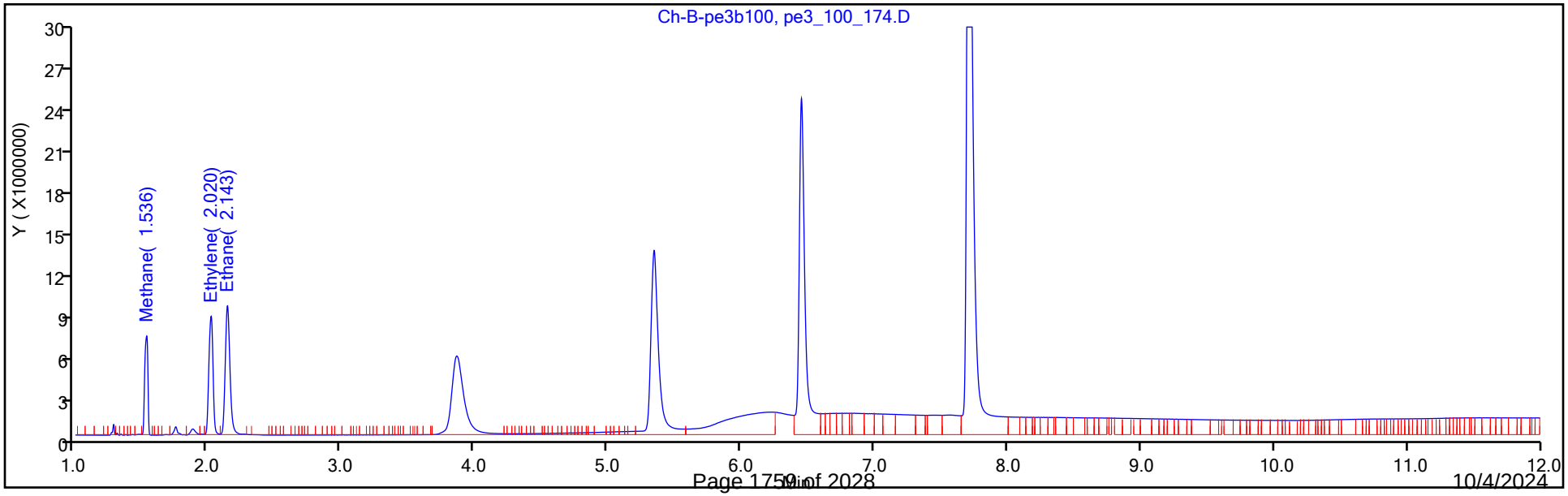
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_174.D

Injection Date:	27-Sep-2024 13:12:51	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726371/28 Calibration Date: 09/27/2024 16:40

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_185.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		381524		39.7	39.0	1.8	15.0
Ethane	Lin1		391829		76.0	73.1	4.0	15.0
Ethene	Lin1		344146		70.4	68.0	3.5	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726371/28 Calibration Date: 09/27/2024 16:40

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_185.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.94	1.69	2.19
Ethene	2.62	2.37	2.87

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_185.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 27-Sep-2024 16:40:20 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 06:35:04 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

First Level Reviewer: RH3X Date: 30-Sep-2024 06:27:53

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.527	0.000	14887519	39.0	39.7	
2	1.536	1.536	0.000	11631754	39.0	37.7	
2 Ethane							
1	1.941	1.941	0.000	28633473	73.1	76.0	
2	2.143	2.143	0.000	22622471	73.1	70.7	
3 Ethylene							
1	2.624	2.624	0.000	23414106	68.0	70.4	
2	2.020	2.020	0.000	18236931	68.0	66.2	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 100.00 Units: uL

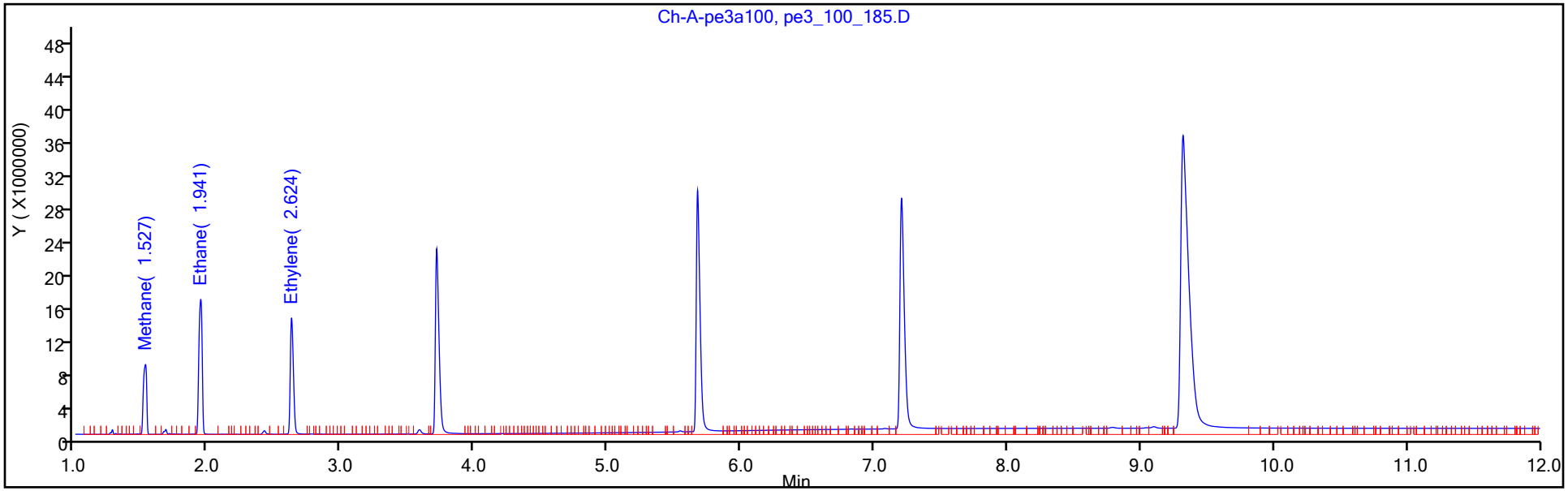
Report Date: 30-Sep-2024 06:35:04 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

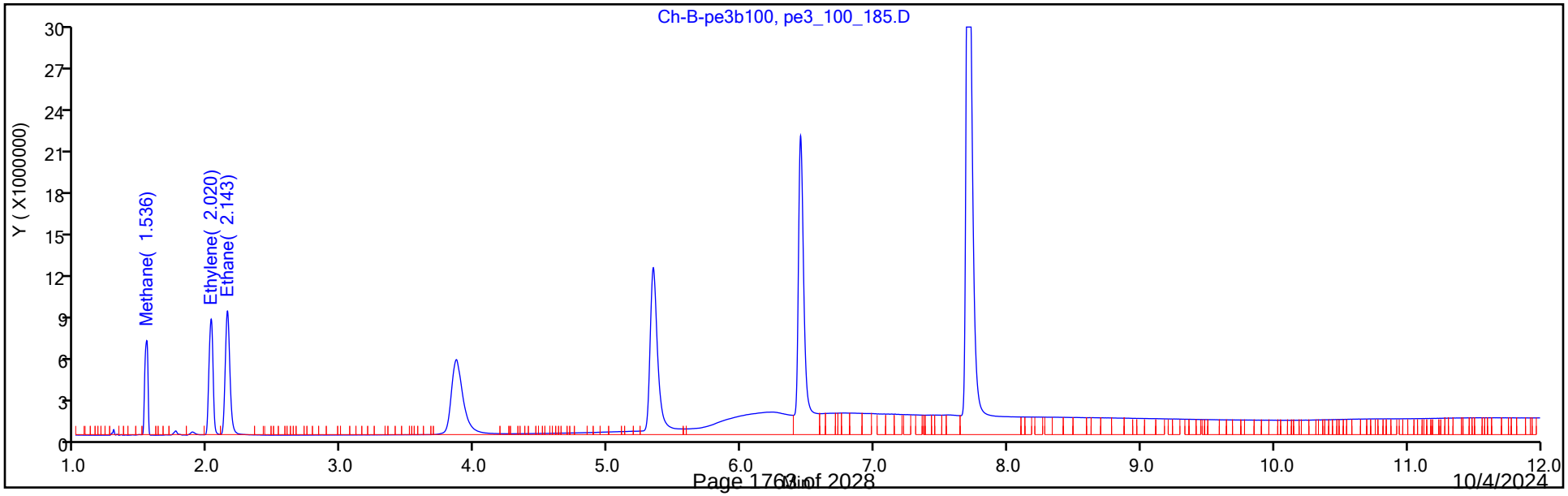
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_185.D

Injection Date:	27-Sep-2024 16:40:20	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726563/5 Calibration Date: 09/30/2024 08:49

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_200.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		400962		41.8	39.0	7.0	15.0
Ethane	Lin1		415772		80.7	73.1	10.4	15.0
Ethene	Lin1		350086		71.6	68.0	5.3	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726563/5 Calibration Date: 09/30/2024 08:49

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_200.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.95	1.70	2.20
Ethene	2.65	2.40	2.90

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_200.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 30-Sep-2024 08:49:25 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:16 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

First Level Reviewer: RH3X Date: 30-Sep-2024 09:12:30

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.525	1.525	0.000	15646020	39.0	41.8	
2	1.535	1.535	0.000	12140129	39.0	39.3	
2 Ethane							
1	1.945	1.945	0.000	30383167	73.1	80.7	
2	2.140	2.140	0.000	23958124	73.1	74.8	
3 Ethylene							
1	2.652	2.652	0.000	23818209	68.0	71.6	
2	2.019	2.019	0.000	18488141	68.0	67.1	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 100.00 Units: uL

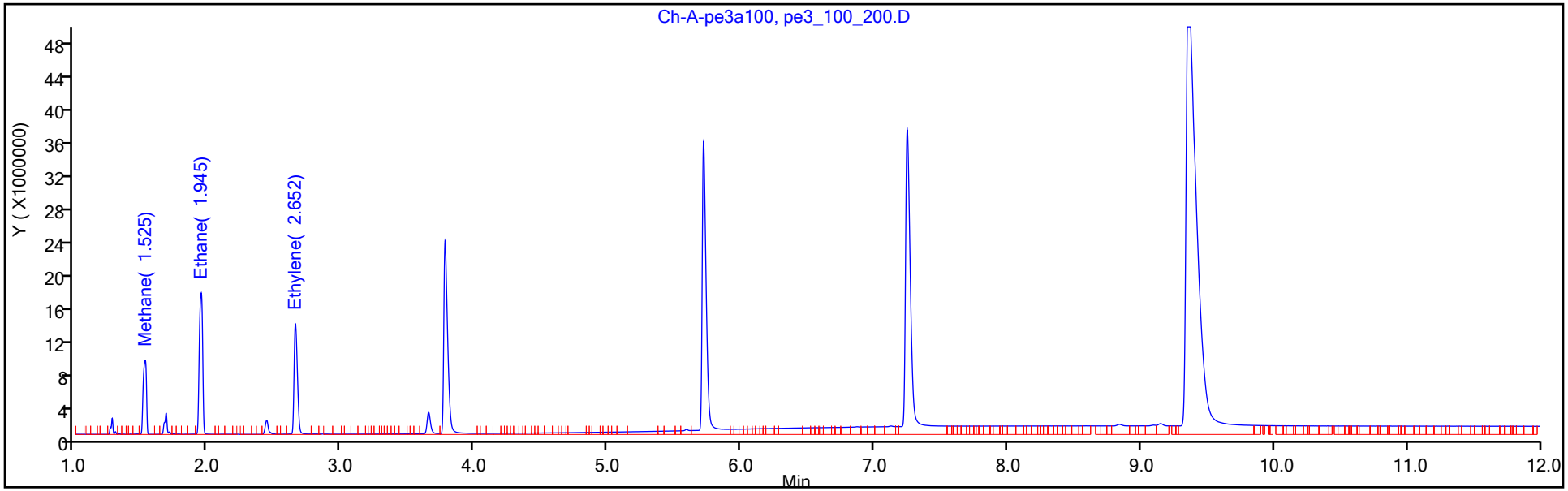
Report Date: 30-Sep-2024 14:46:16 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

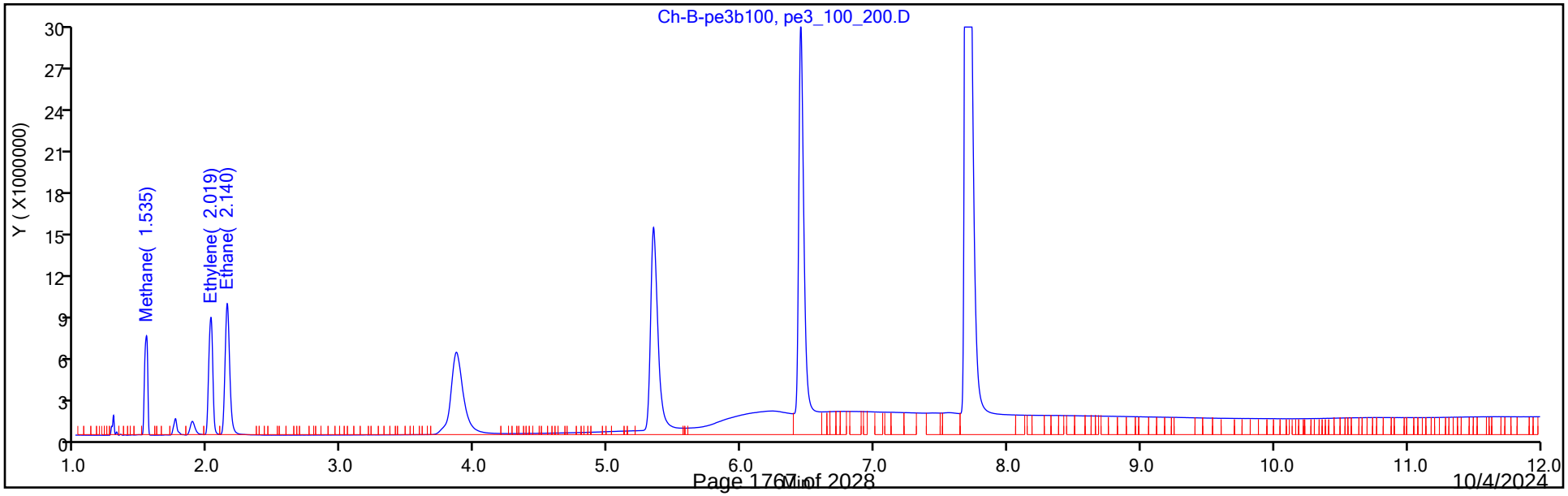
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_200.D

Injection Date:	30-Sep-2024 08:49:25	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726563/21 Calibration Date: 09/30/2024 13:51

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_216.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Lin1		394746		41.1	39.0	5.3	15.0
Ethane	Lin1		408836		79.3	73.1	8.5	15.0
Ethene	Lin1		358196		73.3	68.0	7.7	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: CCV 480-726563/21 Calibration Date: 09/30/2024 13:51

Instrument ID: PE-03 Calib Start Date: 06/25/2024 11:19

GC Column: Alumina ID: 0.53(mm) Calib End Date: 06/25/2024 14:09

Lab File ID: pe3_100_216.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methane	1.53	1.28	1.78
Ethane	1.97	1.70	2.20
Ethene	2.73	2.40	2.90

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_216.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 30-Sep-2024 13:51:19 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03
Sublist: chrom-rsk175*sub6

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:36 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

First Level Reviewer: RH3X Date: 30-Sep-2024 14:45:32

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.525	0.003	15403466	39.0	41.1	
2	1.536	1.535	0.001	12114784	39.0	39.2	
2 Ethane							
1	1.965	1.945	0.020	29876286	73.1	79.3	
2	2.141	2.140	0.001	23773499	73.1	74.2	
3 Ethylene							a
1	2.728	2.652	0.076	24369997	68.0	73.3	a
2	2.019	2.019	0.000	19051071	68.0	69.1	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

_RSK_STK_00029 Amount Added: 100.00 Units: uL

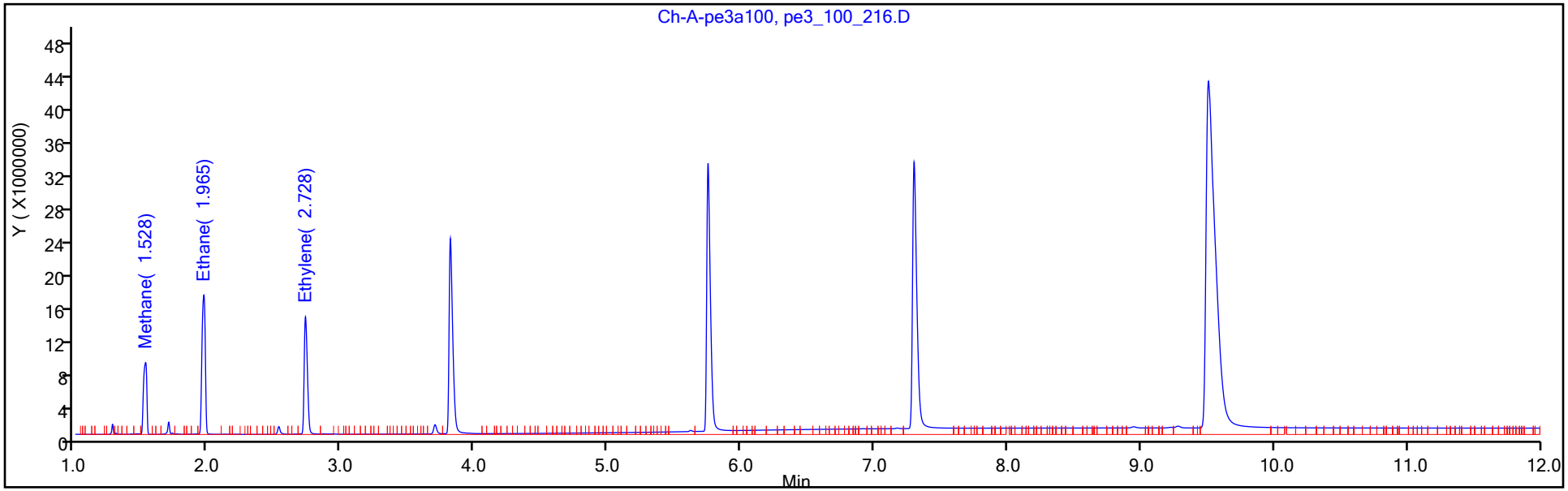
Report Date: 30-Sep-2024 14:46:36 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

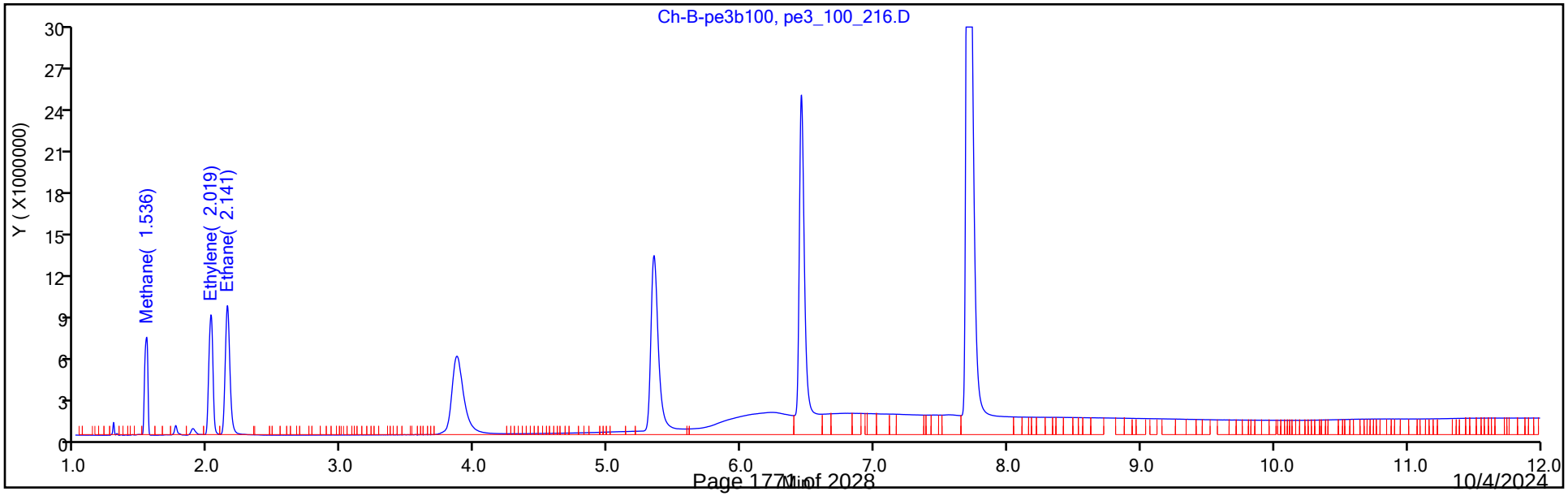
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_216.D

Injection Date:	30-Sep-2024 13:51:19	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	ccv			Worklist Smp#:	21
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins Buffalo

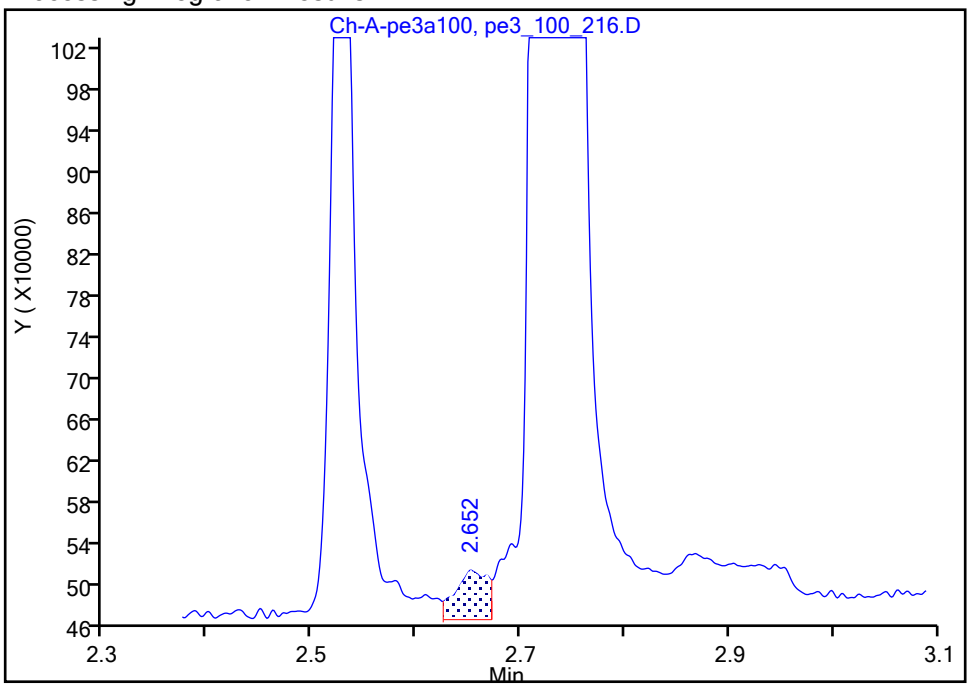
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_216.D
Injection Date: 30-Sep-2024 13:51:19 Instrument ID: PE-03
Lims ID: ccv
Client ID:
Operator ID: tchrom ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: rsk175 Limit Group: GC - RSK175 ICAL
Column: Alumina (0.00 mm) Detector Ch-A-21a09074

3 Ethylene, CAS: 74-85-1

Signal: 1

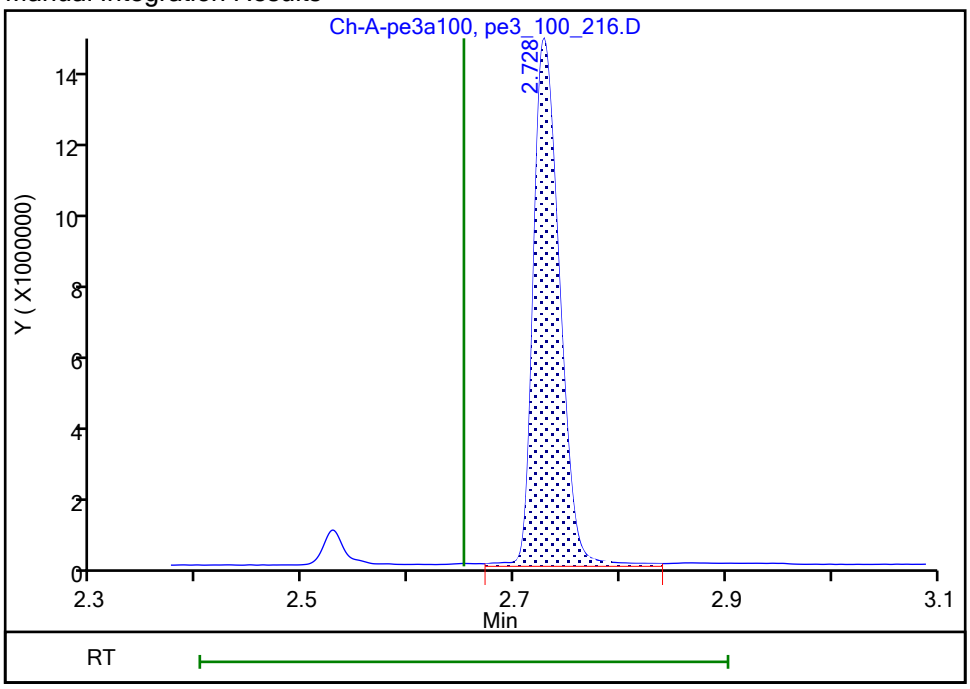
Processing Integration Results

RT: 2.65
Area: 102527
Amount: 0.100666
Amount Units: ug/l



Manual Integration Results

RT: 2.73
Area: 24369997
Amount: 73.282604
Amount Units: ug/l



Reviewer: RH3X, 30-Sep-2024 14:45:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726126/7

Matrix: Water | Lab File ID: pe3_100_129.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 11:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_129.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 25-Sep-2024 11:02:23 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:58 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.525	0.003	139804		0.3022	
2	1.527	1.535	-0.008	185968		1.36	
2 Ethane							
1	1.924	1.947	-0.023	27346		-0.2342	
2	2.132	2.143	-0.011	45917		1.81	
3 Ethylene							
1	2.671	2.665	0.006	28959		-0.1212	
2	2.035	2.019	0.016	103523		2.00	

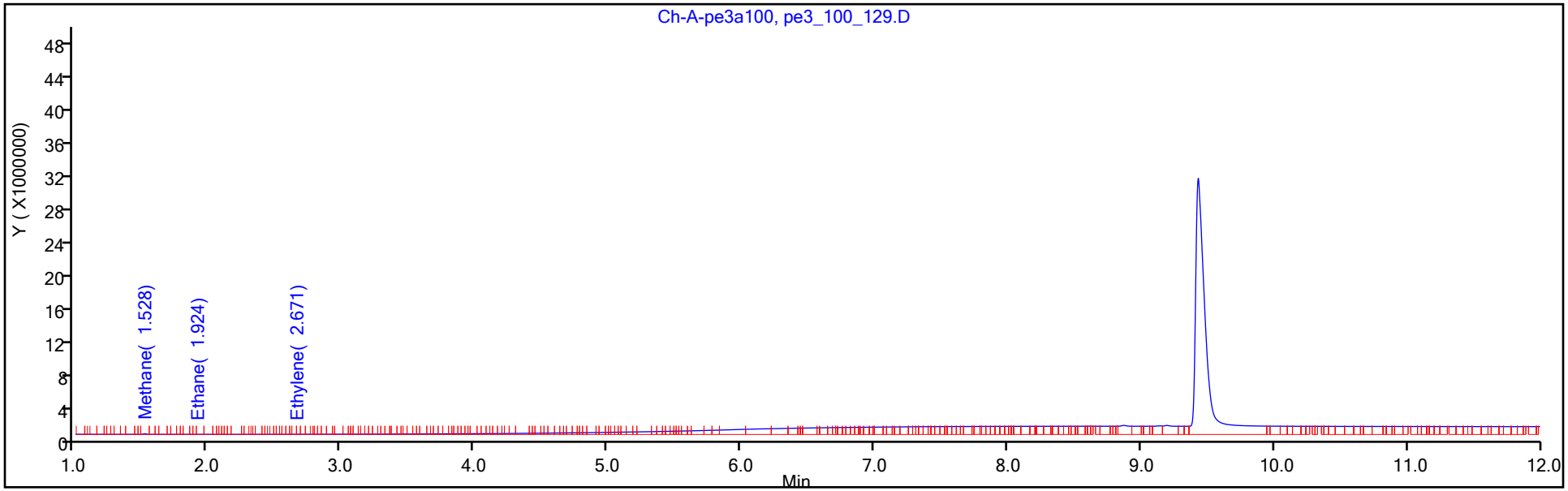
Report Date: 25-Sep-2024 14:57:00 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

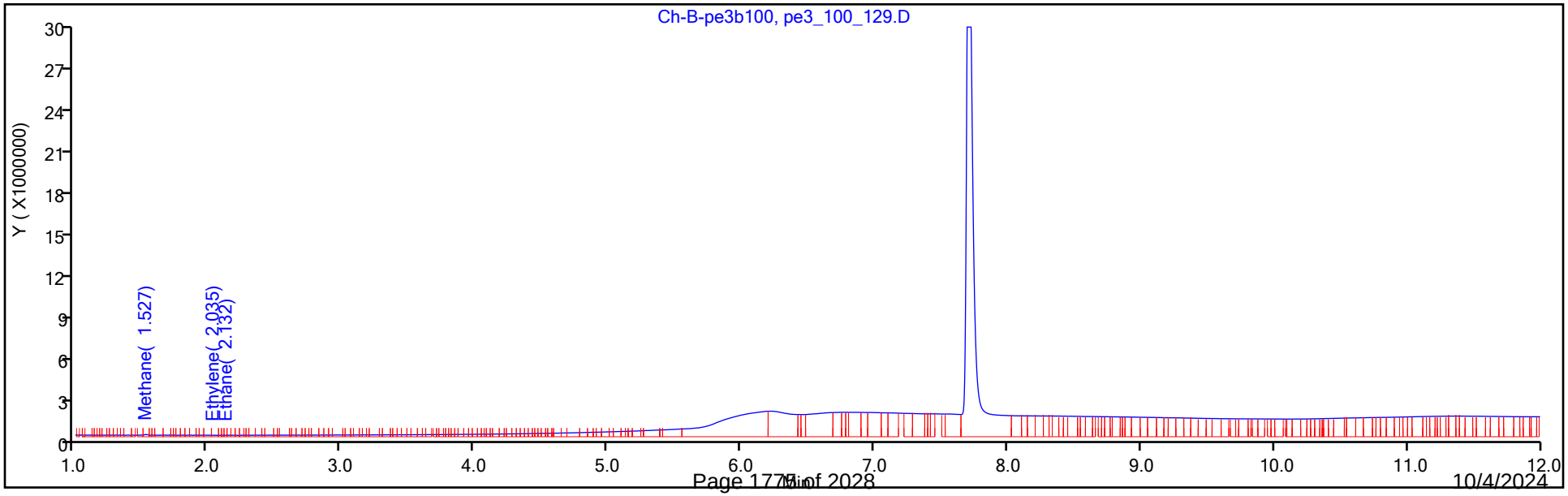
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_129.D

Injection Date:	25-Sep-2024 11:02:23	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	mb			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726287/4

Matrix: Water | Lab File ID: pe3_100_143.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 11:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_143.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 26-Sep-2024 11:55:29 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 26-Sep-2024 12:46:51

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							M
1	1.527	1.527	0.000	175280		0.3970	
2	1.529	1.535	-0.006	140591		1.22	M
2 Ethane							M
1	1.951	1.957	-0.006	8814		-0.2836	
2	2.137	2.141	-0.004	9953		1.70	M
3 Ethylene							M
1	2.664	2.696	-0.032	19749		-0.1490	
2	2.017	2.019	-0.002	9678		1.67	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

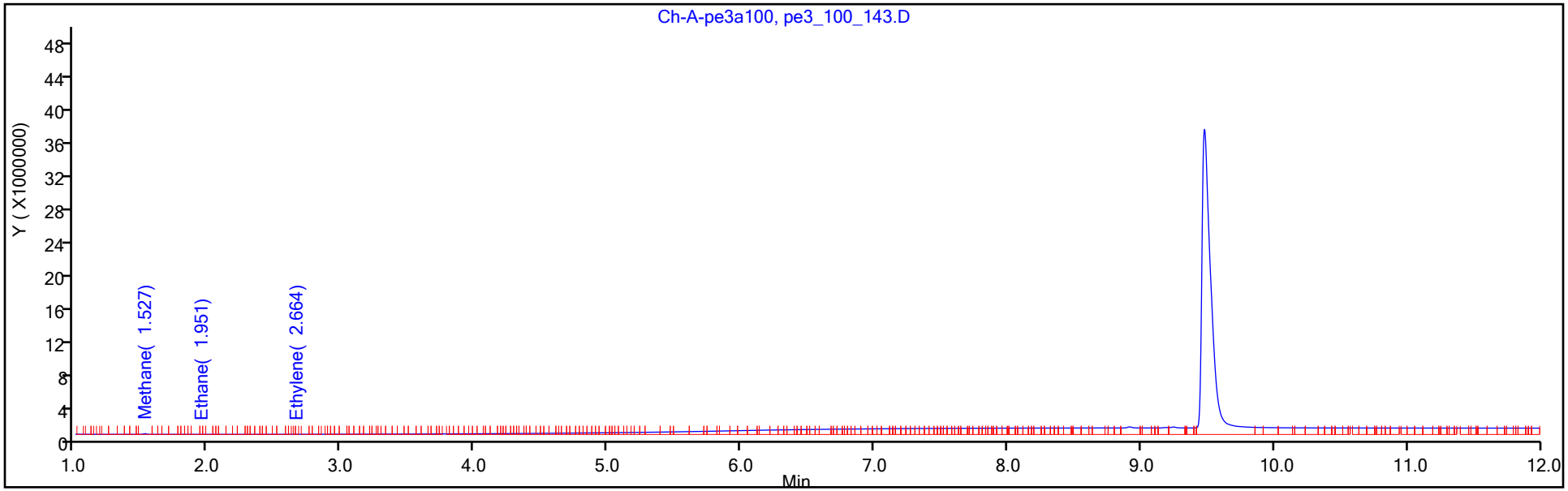
Report Date: 27-Sep-2024 06:05:32 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

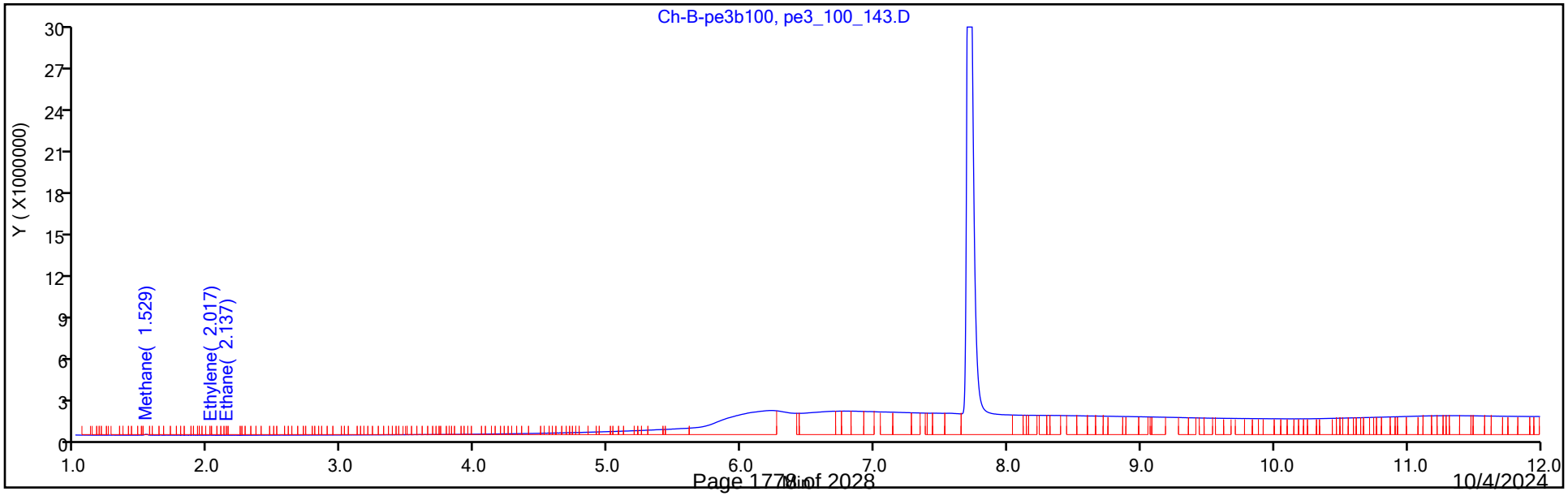
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_143.D

Injection Date:	26-Sep-2024 11:55:29	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726371/4

Matrix: Water | Lab File ID: pe3_100_161.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 09:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_161.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 27-Sep-2024 09:01:45 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 13:13:34 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 27-Sep-2024 09:36:59

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.528	-0.001	180420		0.4108	
2	1.533	1.536	-0.003	189521		1.37	
2 Ethane							M
1	1.957	1.963	-0.006	9116		-0.2828	
2	2.137	2.141	-0.004	8573		1.69	M
3 Ethylene							M
1	2.711	2.712	-0.001	21732		-0.1430	
2	2.016	2.019	-0.003	8551		1.66	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

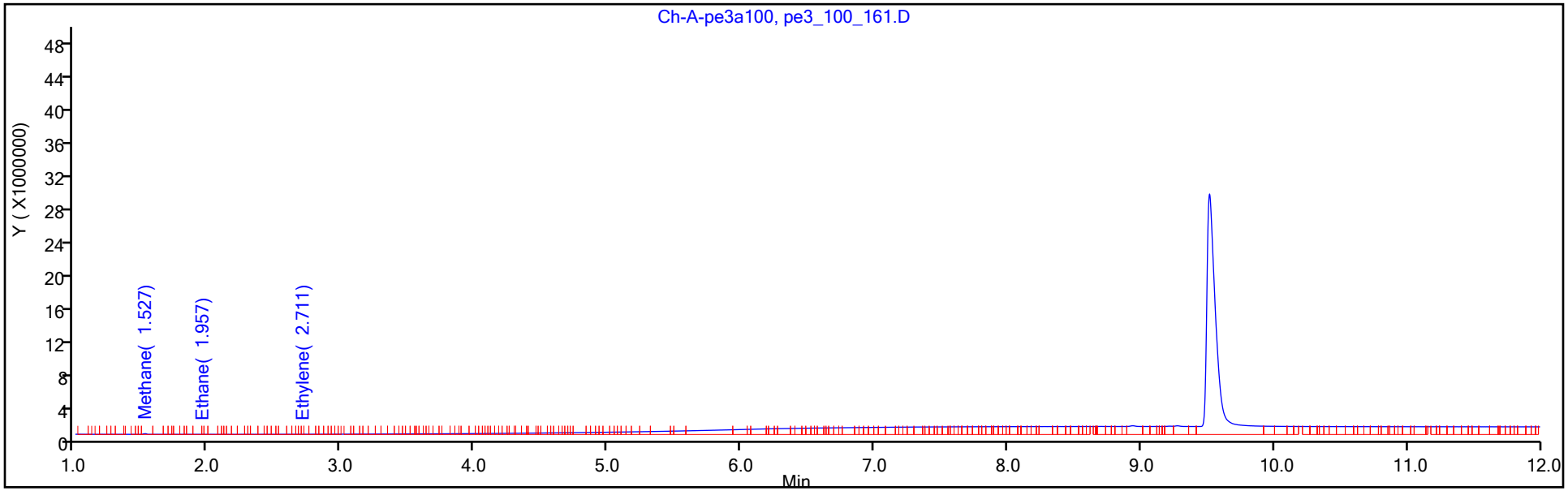
Report Date: 27-Sep-2024 13:13:36 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

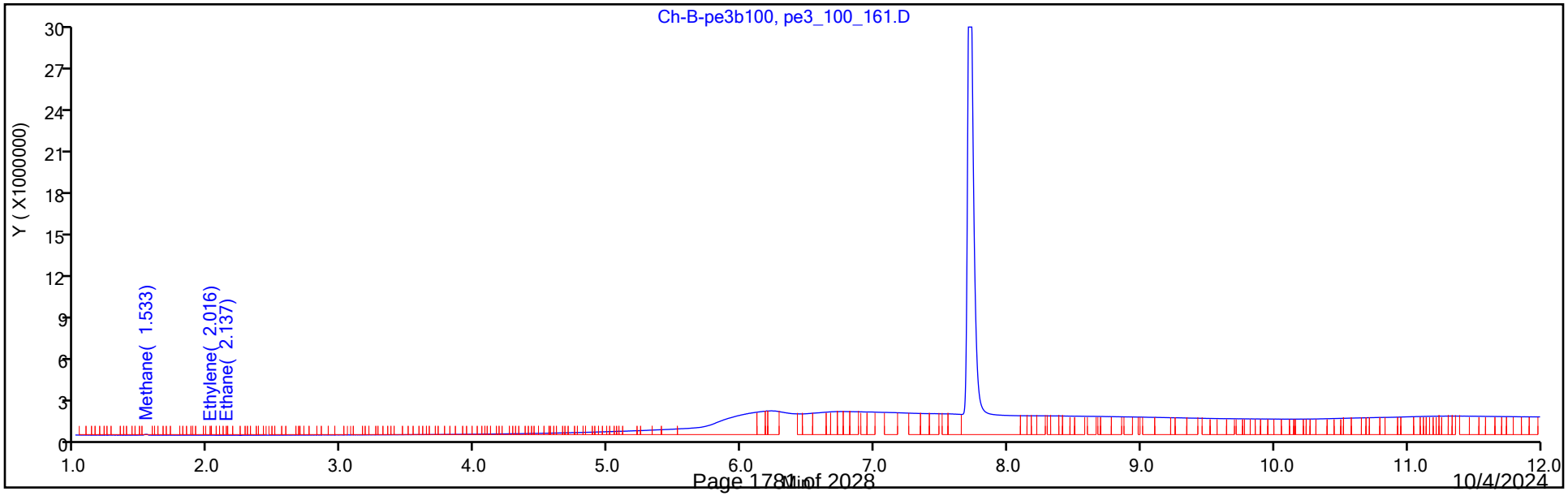
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_161.D

Injection Date:	27-Sep-2024 09:01:45	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: MB 480-726563/6

Matrix: Water | Lab File ID: pe3_100_201.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 09:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	7.5	U	7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_201.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 30-Sep-2024 09:08:18 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:16 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

First Level Reviewer: RH3X Date: 30-Sep-2024 09:43:36

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.525	0.002	107286		0.2153	
2	1.536	1.535	0.001	124279		1.17	
2 Ethane							
1	1.917	1.945	-0.028	8915		-0.2833	
2	2.112	2.140	-0.028	31644		1.76	
3 Ethylene							
1	2.635	2.652	-0.017	41692		-0.0828	
2	2.040	2.019	0.021	12174		1.68	

QC Flag Legend

Processing Flags

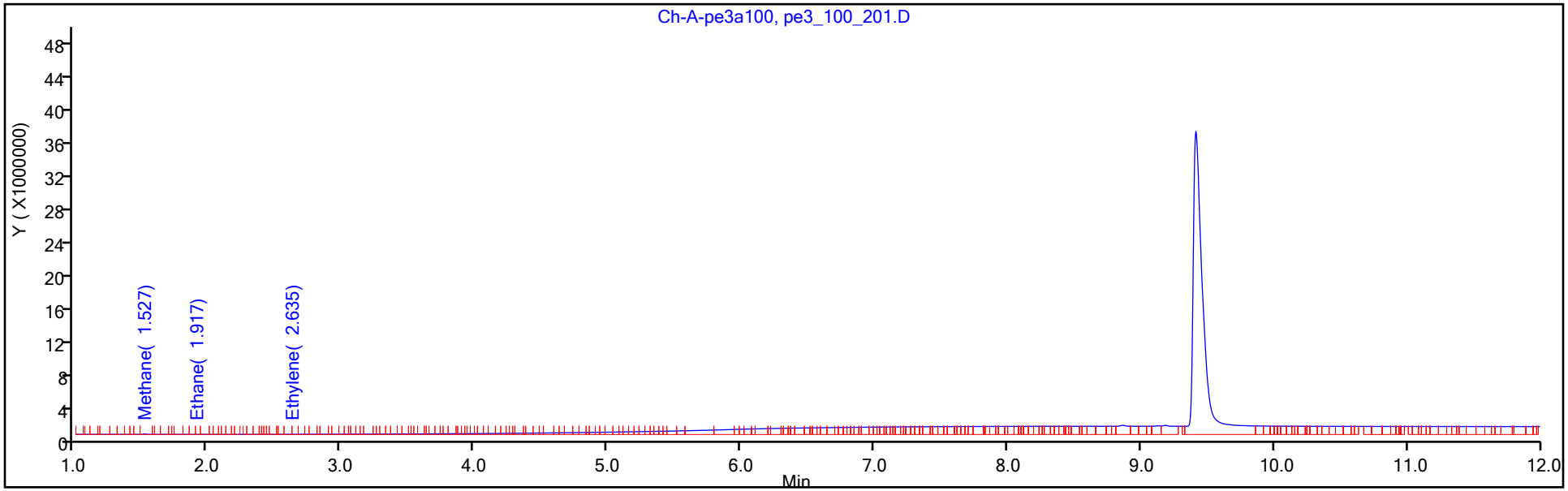
Report Date: 30-Sep-2024 14:46:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

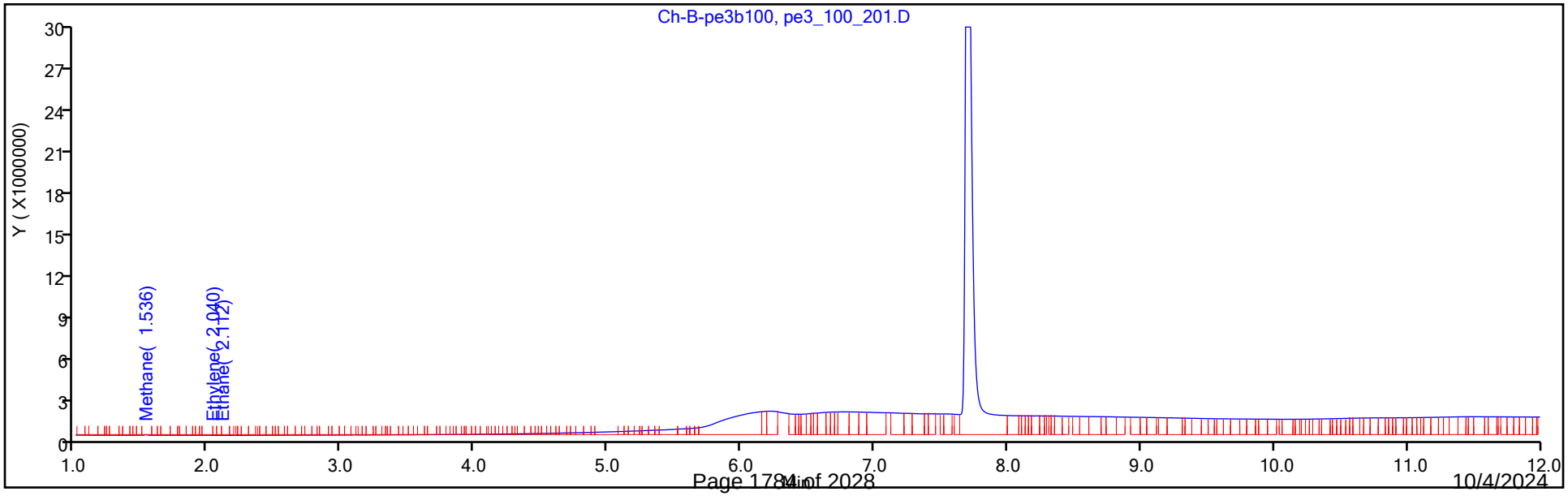
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_201.D

Injection Date:	30-Sep-2024 09:08:18	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	mb			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726126/9

Matrix: Water | Lab File ID: pe3_100_131.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 11:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	36.0		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_131.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 25-Sep-2024 11:54:43 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:00 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.525	0.002	7126593	19.5	19.0	
2	1.535	1.535	0.000	5610310	19.5	18.6	
2 Ethane							
1	1.955	1.947	0.008	13627465	36.5	36.0	
2	2.140	2.143	-0.003	10881301	36.5	34.9	
3 Ethylene							
1	2.699	2.665	0.034	11079191	34.0	33.2	
2	2.016	2.019	-0.003	8539091	34.0	31.9	

Reagents:

_RSK_STK_00029 Amount Added: 50.00 Units: uL

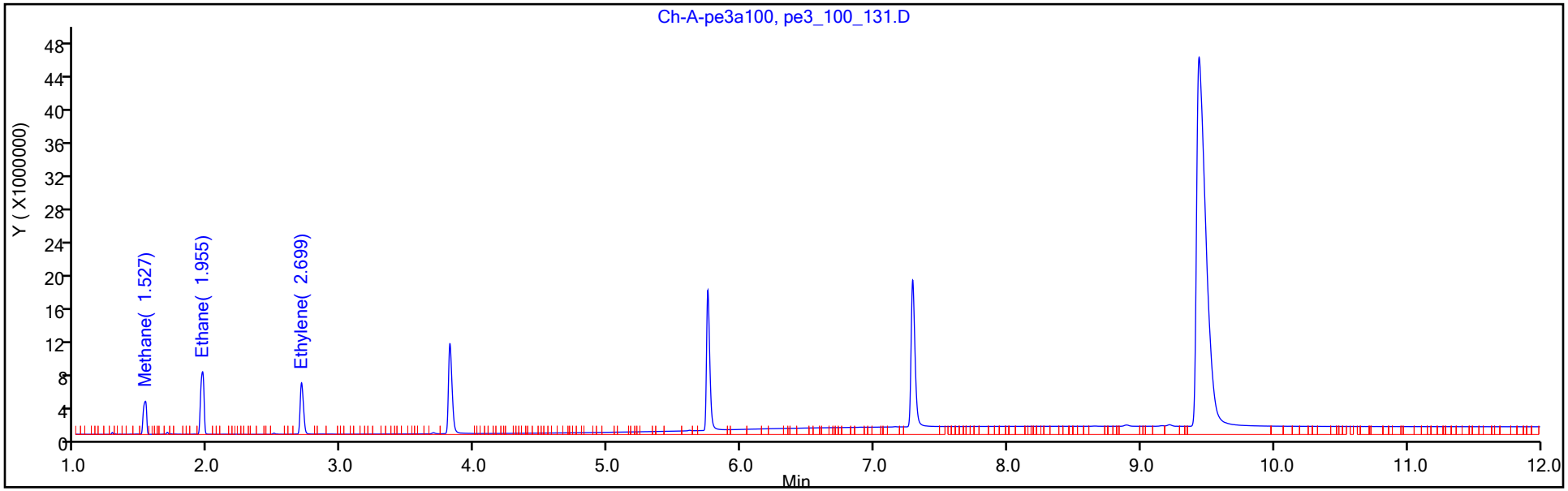
Report Date: 25-Sep-2024 14:56:42 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

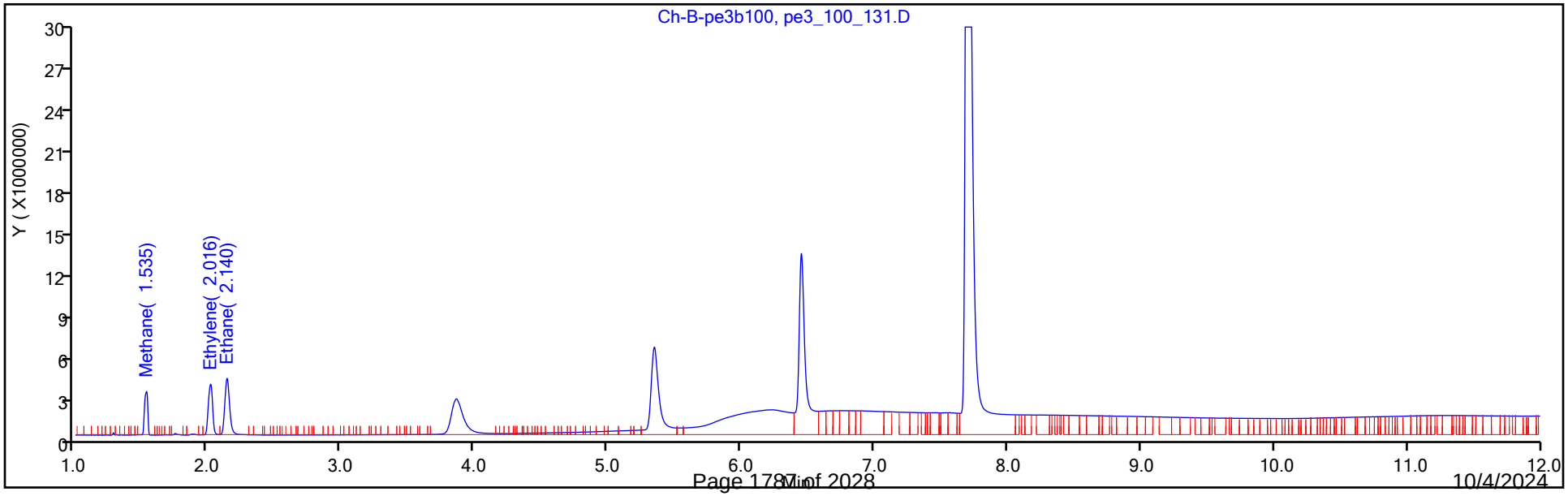
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_131.D

Injection Date:	25-Sep-2024 11:54:43	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	lcs			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726287/5

Matrix: Water | Lab File ID: pe3_100_144.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 12:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	38.6		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_144.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 26-Sep-2024 12:14:20 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 26-Sep-2024 12:47:17

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.527	0.000	7635791	19.5	20.3	
2	1.535	1.535	0.000	5833690	19.5	19.3	
2 Ethane							
1	1.960	1.957	0.003	14590362	36.5	38.6	
2	2.141	2.141	0.000	11299529	36.5	36.2	
3 Ethylene							
1	2.704	2.696	0.008	12050976	34.0	36.1	
2	2.019	2.019	0.000	9150236	34.0	34.0	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 50.00 Units: uL

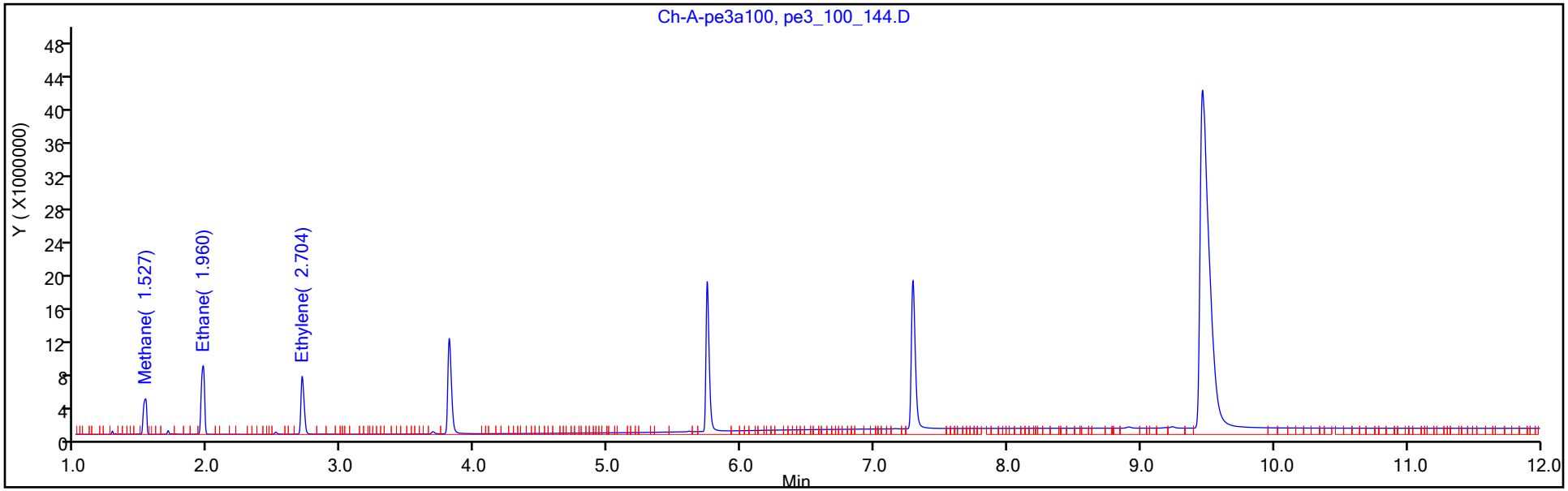
Report Date: 27-Sep-2024 06:05:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

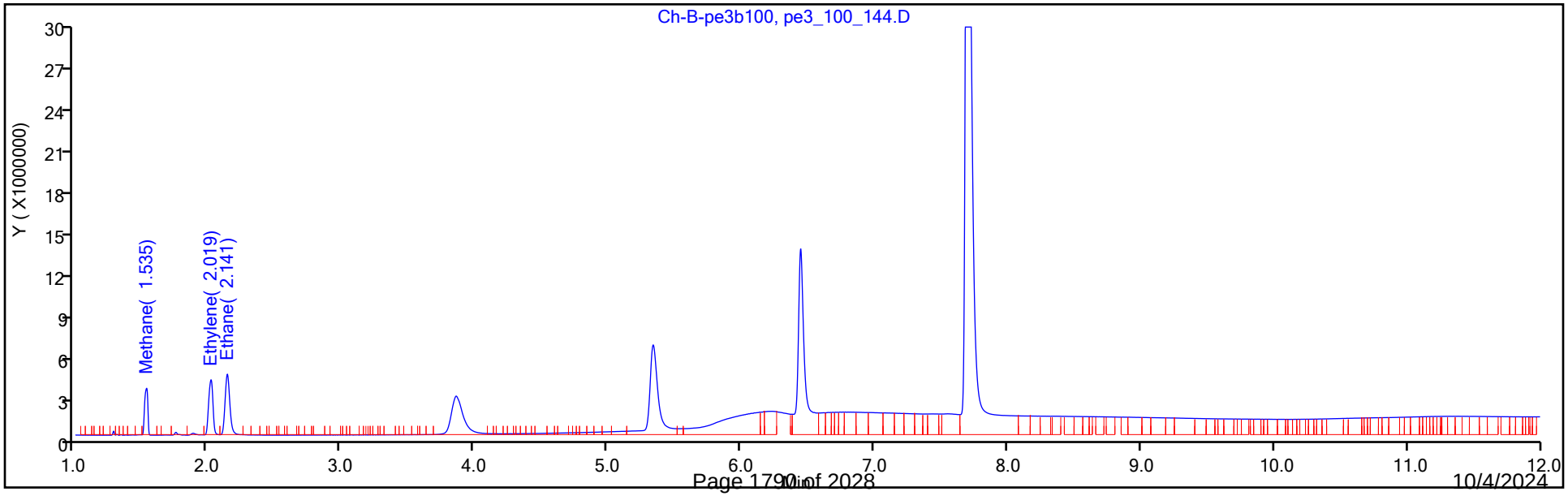
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_144.D

Injection Date:	26-Sep-2024 12:14:20	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	lcs			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726371/5

Matrix: Water | Lab File ID: pe3_100_162.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/27/2024 09:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726371 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	37.6		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_162.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 27-Sep-2024 09:20:36 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 13:13:34 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 27-Sep-2024 10:00:03

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.528	0.000	7522828	19.5	20.0	
2	1.536	1.536	0.000	5742676	19.5	19.0	
2 Ethane							
1	1.963	1.963	0.000	14212382	36.5	37.6	
2	2.143	2.141	0.002	11122988	36.5	35.6	
3 Ethylene							
1	2.717	2.712	0.005	11552477	34.0	34.6	
2	2.019	2.019	0.000	8784700	34.0	32.7	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 50.00 Units: uL

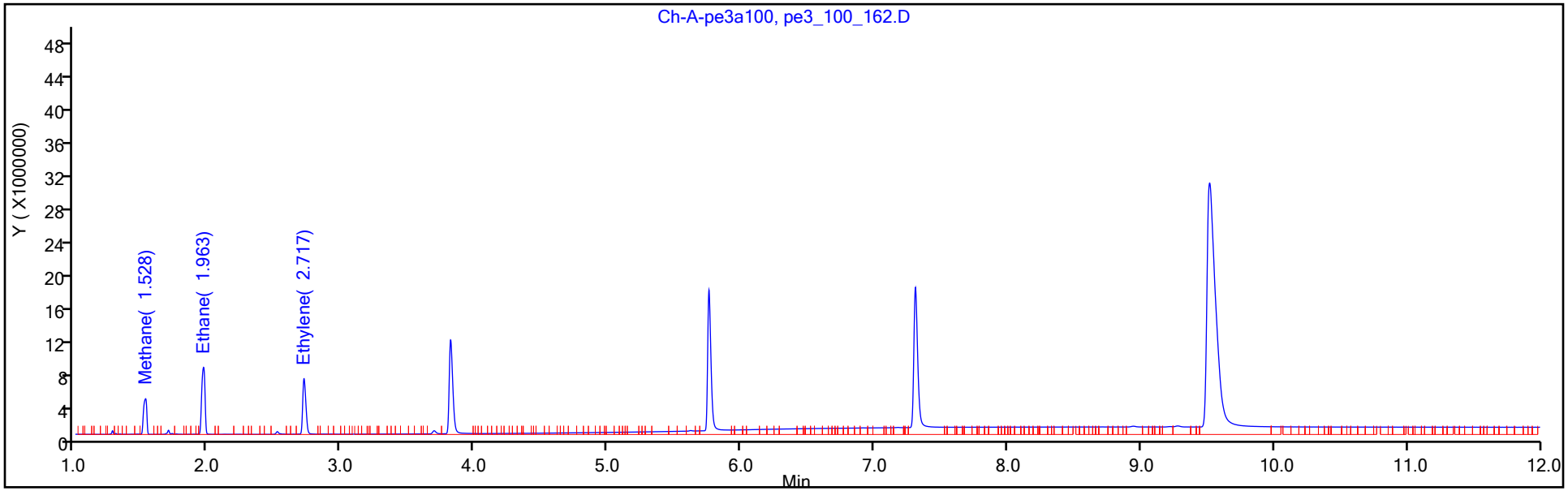
Report Date: 27-Sep-2024 13:13:37 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

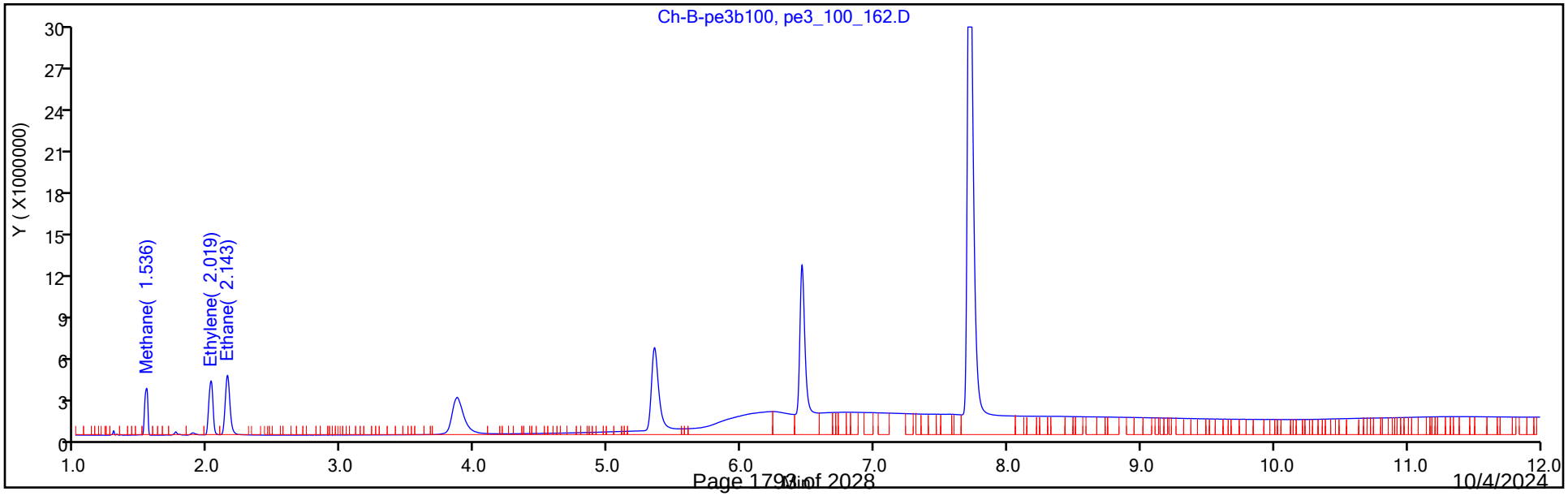
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240927-120248.b\pe3_100_162.D

Injection Date:	27-Sep-2024 09:20:36	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	lcs			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCS 480-726563/7

Matrix: Water | Lab File ID: pe3_100_202.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 09:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	42.4		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_202.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 30-Sep-2024 09:27:10 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:16 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

First Level Reviewer: RH3X Date: 30-Sep-2024 09:45:59

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.525	1.525	0.000	8349326	19.5	22.2	
2	1.535	1.535	0.000	6426892	19.5	21.2	
2 Ethane							
1	1.952	1.945	0.007	16043106	36.5	42.4	
2	2.141	2.140	0.001	12419045	36.5	39.6	
3 Ethylene							a
1	2.688	2.652	0.036	12504141	34.0	37.5	a
2	2.019	2.019	0.000	9609120	34.0	35.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

_RSK_STK_00029 Amount Added: 50.00 Units: uL

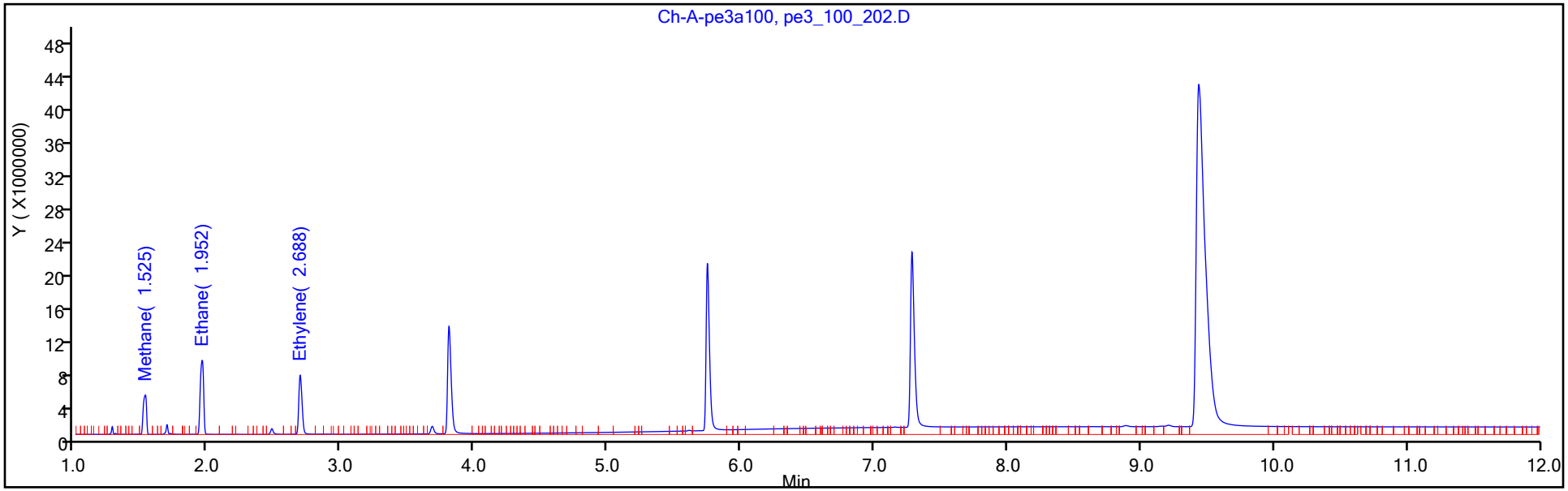
Report Date: 30-Sep-2024 14:46:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

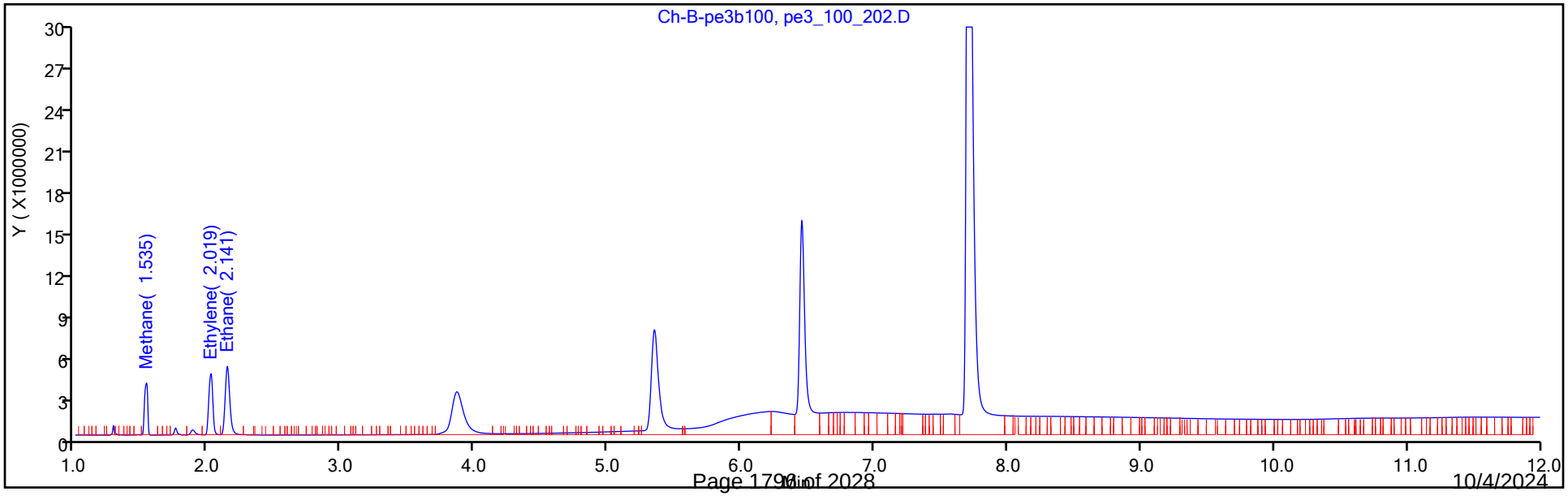
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_202.D

Injection Date:	30-Sep-2024 09:27:10	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	lcs			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: | Lab Sample ID: LCSD 480-726287/6

Matrix: Water | Lab File ID: pe3_100_145.D

Analysis Method: RSK-175 | Date Collected:

Sample wt/vol: 17(mL) | Date Analyzed: 09/26/2024 12:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726287 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	38.4		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_145.D
Lims ID: lcsd
Client ID:
Sample Type: LCSD
Inject. Date: 26-Sep-2024 12:33:12 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 27-Sep-2024 06:05:31 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1666

First Level Reviewer: RH3X Date: 26-Sep-2024 13:29:45

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.528	1.527	0.001	7610743	19.5	20.3	
2	1.536	1.535	0.001	5810482	19.5	19.2	
2 Ethane							
1	1.960	1.957	0.003	14526136	36.5	38.4	
2	2.141	2.141	0.000	11347912	36.5	36.3	
3 Ethylene							
1	2.708	2.696	0.012	11867913	34.0	35.6	
2	2.019	2.019	0.000	9035852	34.0	33.6	

QC Flag Legend
Processing Flags

Reagents:
_RSK_STK_00029 Amount Added: 50.00 Units: uL

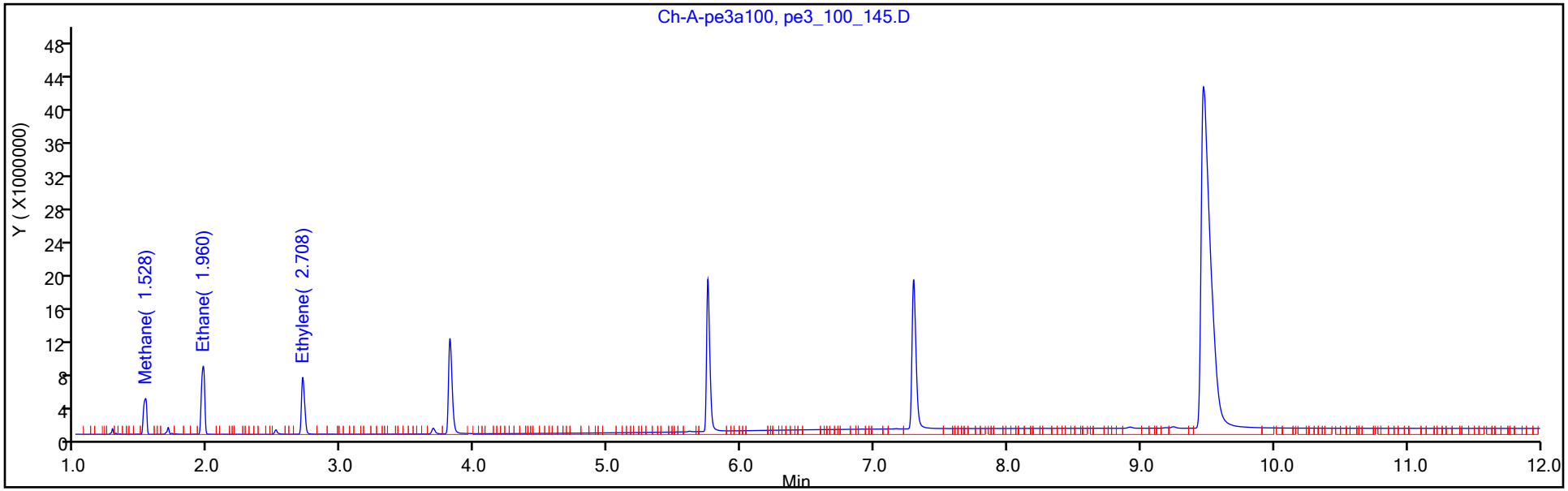
Report Date: 27-Sep-2024 06:05:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

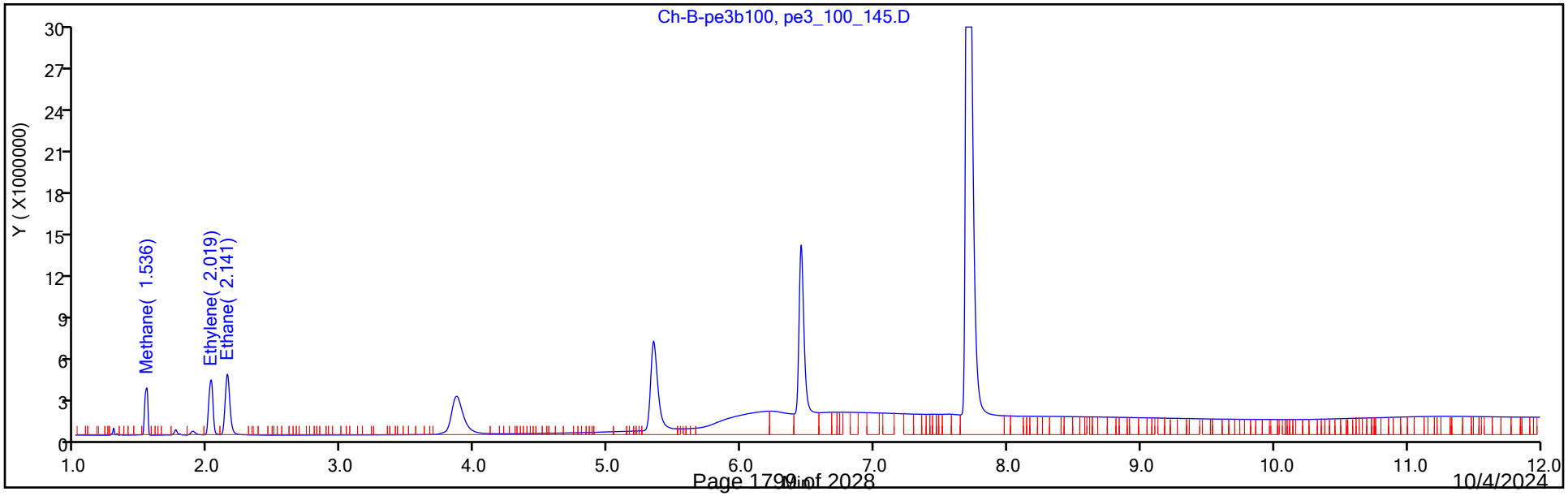
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240926-120235.b\pe3_100_145.D

Injection Date:	26-Sep-2024 12:33:12	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	lcsd			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024-MS MS | Lab Sample ID: 480-223647-3 MS

Matrix: Water | Lab File ID: pe3_100_137.D

Analysis Method: RSK-175 | Date Collected: 09/23/2024 14:15

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 14:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	33.5		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_137.D
Lims ID: 480-223647-H-3 MS
Client ID: SW-B-09232024-MS
Sample Type: MS
Inject. Date: 25-Sep-2024 14:02:14 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:00 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

First Level Reviewer: X0SW Date: 25-Sep-2024 14:38:56

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.525	0.002	8582486	19.5	22.9	
2	1.535	1.535	0.000	6650048	19.5	21.9	
2 Ethane							
1	1.957	1.947	0.010	12696607	36.5	33.5	
2	2.140	2.143	-0.003	9912557	36.5	31.9	
3 Ethylene							a
1	2.701	2.665	0.036	10376364	34.0	31.1	a
2	2.016	2.019	-0.003	7896359	34.0	29.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

_RSK_STK_00029 Amount Added: 50.00 Units: uL

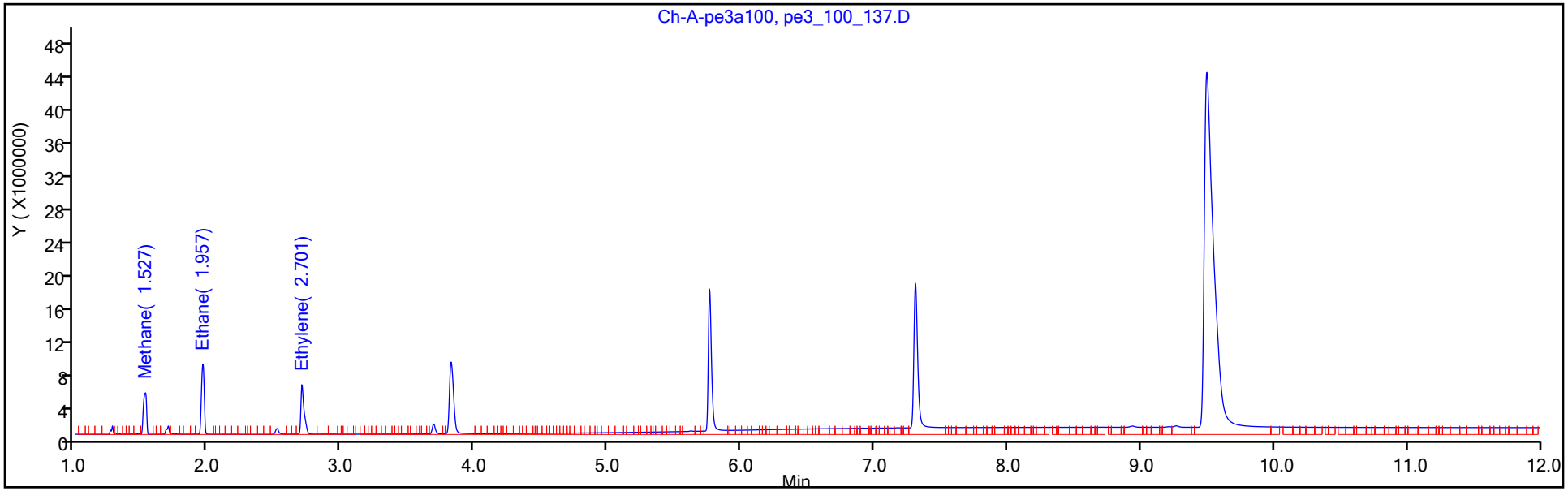
Report Date: 25-Sep-2024 14:56:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

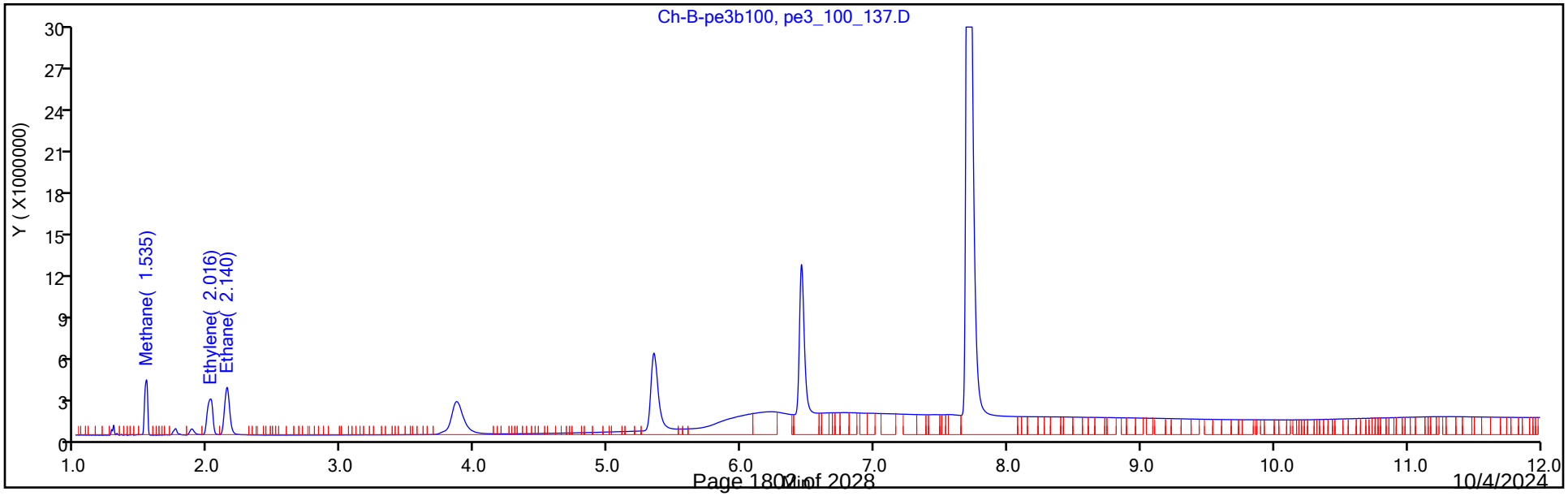
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_137.D

Injection Date:	25-Sep-2024 14:02:14	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223647-H-3 MS			Worklist Smp#:	15
Client ID:	SW-B-09232024-MS				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024-MS MS | Lab Sample ID: 480-223784-2 MS

Matrix: Water | Lab File ID: pe3_100_214.D

Analysis Method: RSK-175 | Date Collected: 09/26/2024 10:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 13:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	37.9		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_214.D
Lims ID: 480-223784-D-2 MS
Client ID: GW-10S-09262024-MS
Sample Type: MS
Inject. Date: 30-Sep-2024 13:13:35 ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:16 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

First Level Reviewer: RH3X Date: 30-Sep-2024 13:39:12

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							E
1	1.531	1.525	0.006	191593307	19.5	512.1	E
2	1.535	1.535	0.000	169101849	19.5	537.0	E
2 Ethane							
1	1.951	1.945	0.006	14343219	36.5	37.9	
2	2.136	2.140	-0.004	10597662	36.5	34.0	
3 Ethylene							
1	2.635	2.652	-0.017	11124317	34.0	33.3	
2	2.009	2.019	-0.010	8183368	34.0	30.6	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

_RSK_STK_00029 Amount Added: 50.00 Units: uL

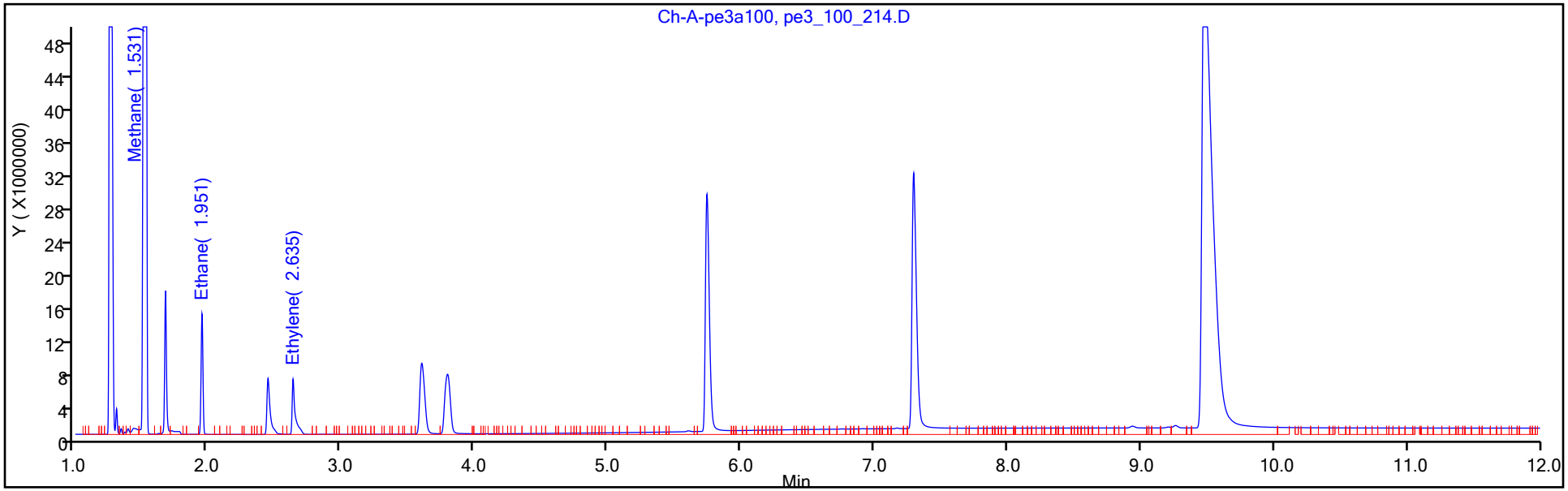
Report Date: 30-Sep-2024 14:46:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

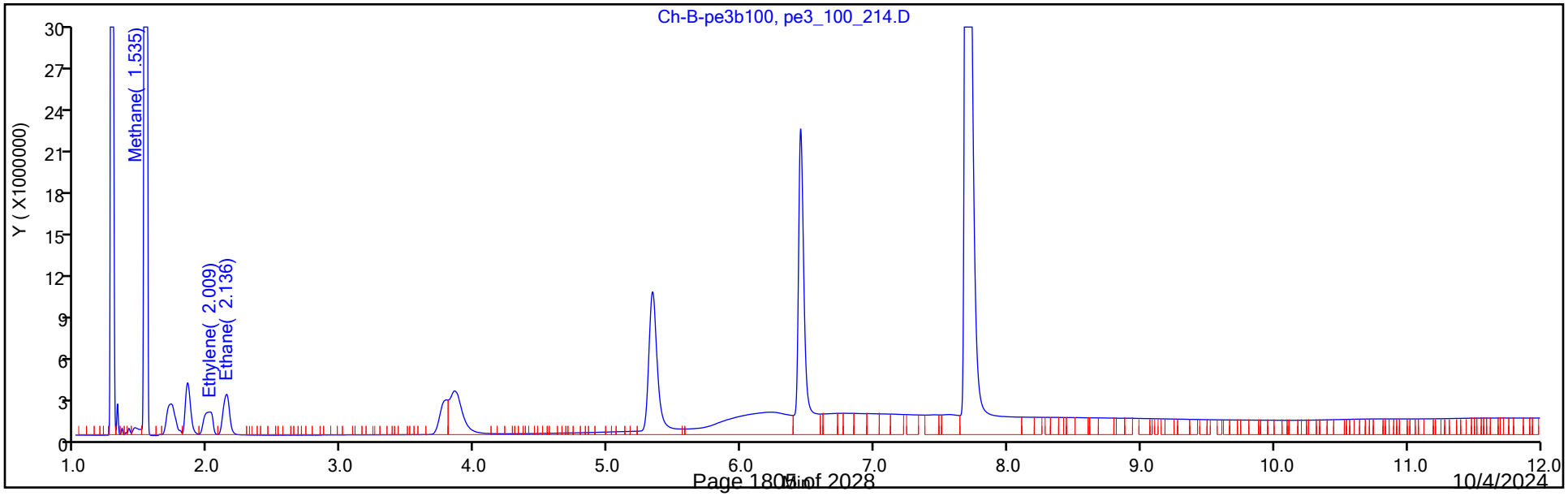
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_214.D

Injection Date:	30-Sep-2024 13:13:35	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223784-D-2 MS			Worklist Smp#:	19
Client ID:	GW-10S-09262024-MS				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: SW-B-09232024-MSD MSD | Lab Sample ID: 480-223647-3 MSD

Matrix: Water | Lab File ID: pe3_100_138.D

Analysis Method: RSK-175 | Date Collected: 09/23/2024 14:15

Sample wt/vol: 17(mL) | Date Analyzed: 09/25/2024 14:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726126 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	32.7		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_138.D
Lims ID: 480-223647-C-3 MSD
Client ID: SW-B-09232024-MSD
Sample Type: MSD
Inject. Date: 25-Sep-2024 14:21:06 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 25-Sep-2024 14:56:00 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1607

First Level Reviewer: X0SW Date: 25-Sep-2024 14:39:35

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							
1	1.527	1.525	0.002	8281997	19.5	22.1	
2	1.535	1.535	0.000	6304713	19.5	20.8	
2 Ethane							
1	1.960	1.947	0.013	12384686	36.5	32.7	
2	2.140	2.143	-0.003	9523704	36.5	30.7	
3 Ethylene							a
1	2.707	2.665	0.042	10166701	34.0	30.5	a
2	2.017	2.019	-0.002	7622137	34.0	28.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

_RSK_STK_00029 Amount Added: 50.00 Units: uL

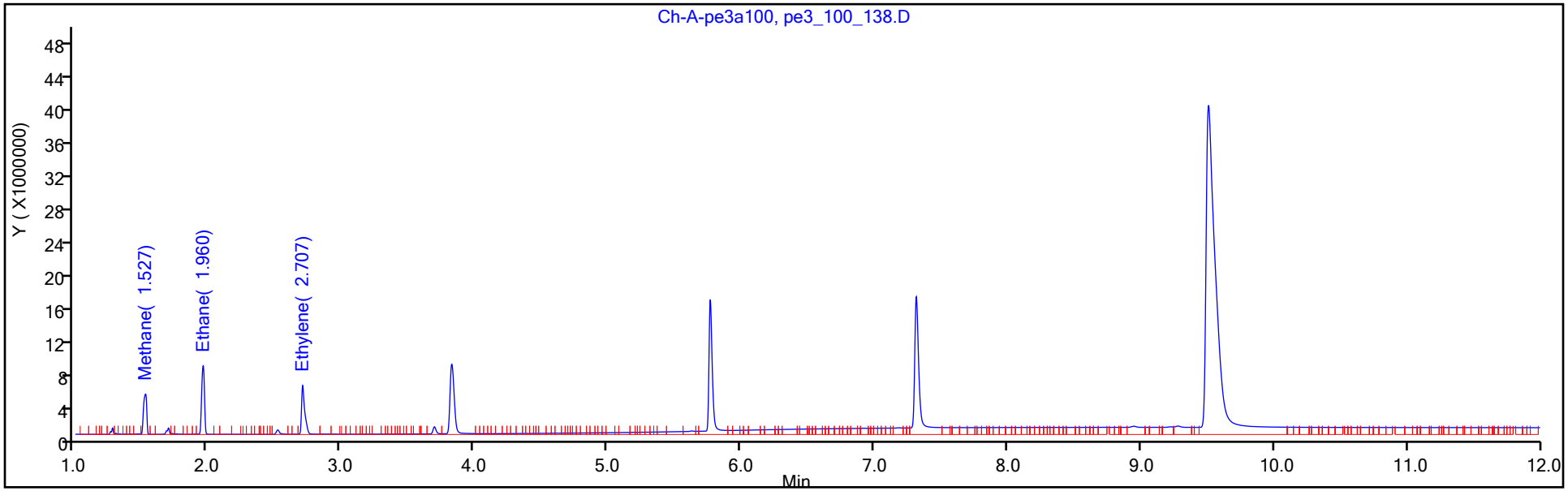
Report Date: 25-Sep-2024 14:56:55 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Buffalo

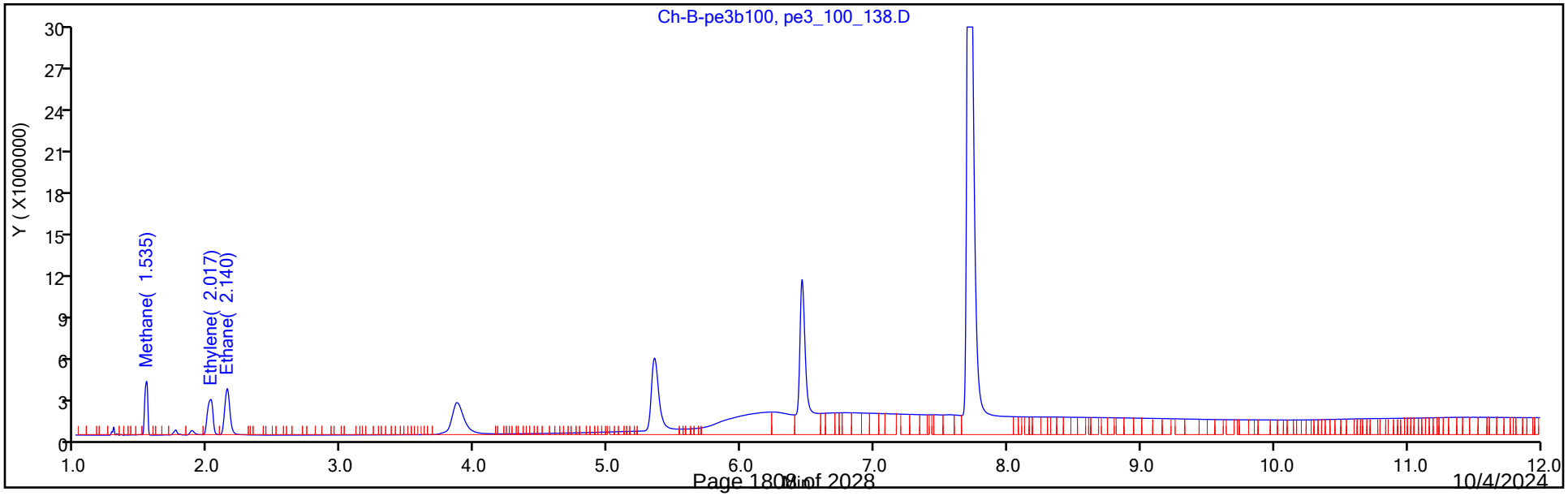
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240925-120210.b\pe3_100_138.D

Injection Date:	25-Sep-2024 14:21:06	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223647-C-3 MSD			Worklist Smp#:	16
Client ID:	SW-B-09232024-MSD				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG No.: 480-223647-1

Client Sample ID: GW-10S-09262024-MSD MSD | Lab Sample ID: 480-223784-2 MSD

Matrix: Water | Lab File ID: pe3_100_215.D

Analysis Method: RSK-175 | Date Collected: 09/26/2024 10:00

Sample wt/vol: 17(mL) | Date Analyzed: 09/30/2024 13:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 726563 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	36.9		7.5	1.5

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_215.D
Lims ID: 480-223784-D-2 MSD
Client ID: GW-10S-09262024-MSD
Sample Type: MSD
Inject. Date: 30-Sep-2024 13:32:27 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: PE-03

Method: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\rsk175.m
Limit Group: GC - RSK175 ICAL
Last Update: 30-Sep-2024 14:46:16 Calib Date: 25-Jun-2024 14:09:01
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\PE-03\20240625-118754.b\pe3_098_032.D

Column 1 : Alumina (0.00 mm) Det: Ch-A-21a09074
Column 2 : RTX-U Plot (0.32 mm) Det: Ch-B-21b09074
Process Host: CTX1652

Det	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methane							E
1	1.532	1.525	0.007	198379779	19.5	530.2	E
2	1.537	1.535	0.002	178793908	19.5	567.7	E
2 Ethane							
1	1.948	1.945	0.003	13964134	36.5	36.9	
2	2.137	2.140	-0.003	10186858	36.5	32.8	
3 Ethylene							
1	2.621	2.652	-0.031	11329353	34.0	34.0	
2	2.004	2.019	-0.015	8310576	34.0	31.0	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

_RSK_STK_00029 Amount Added: 50.00 Units: uL

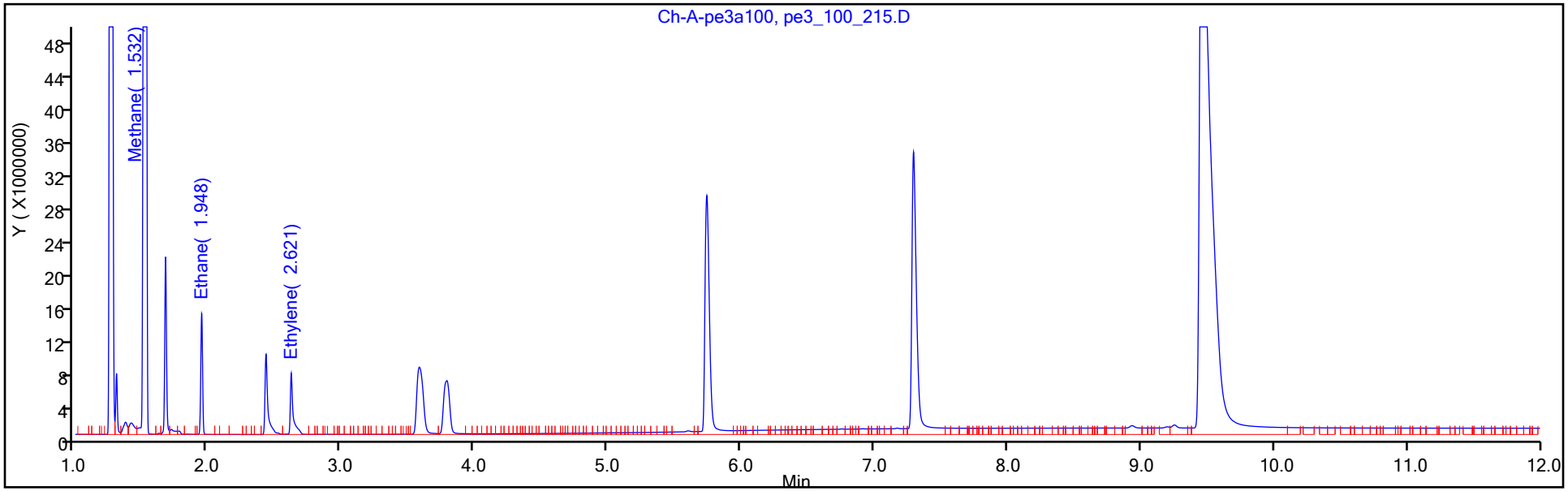
Report Date: 30-Sep-2024 14:46:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Buffalo

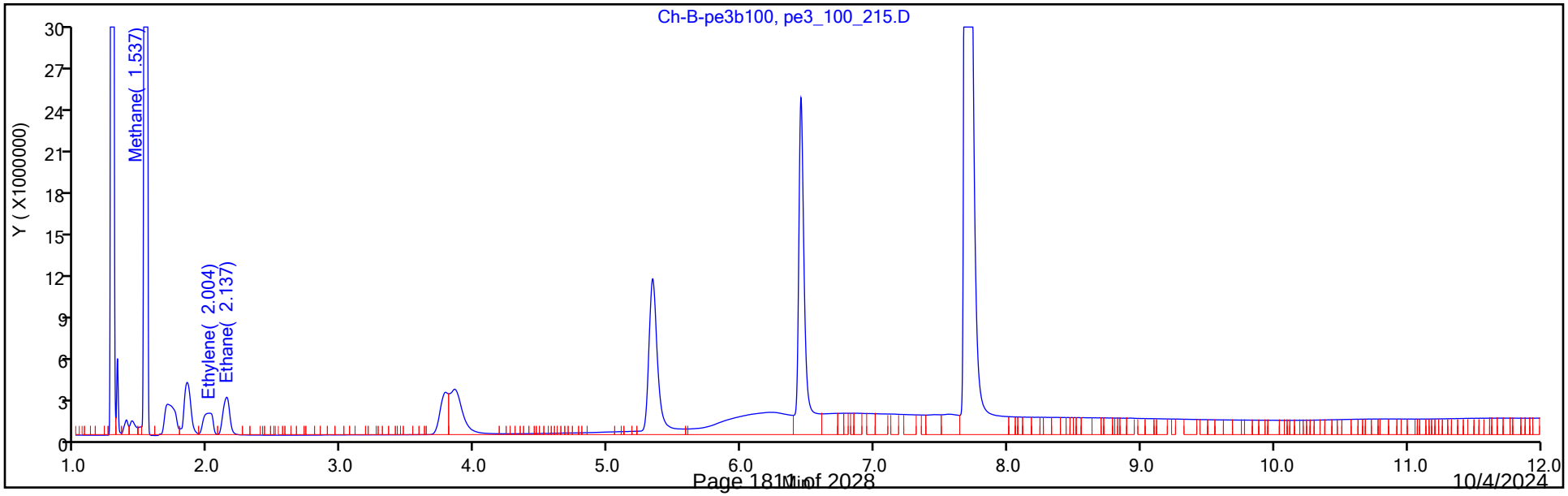
Data File: \\chromfs\Buffalo\ChromData\PE-03\20240930-120277.b\pe3_100_215.D

Injection Date:	30-Sep-2024 13:32:27	Instrument ID:	PE-03	Operator ID:	tchrom
Lims ID:	480-223784-D-2 MSD			Worklist Smp#:	20
Client ID:	GW-10S-09262024-MSD				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	rsk175	Limit Group:	GC - RSK175 ICAL		

Column: Alumina (0.00 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-U Plot (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: PE-03 Start Date: 06/25/2024 11:19

Analysis Batch Number: 716675 End Date: 06/25/2024 14:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-716675/4		06/25/2024 11:19	1	pe3_098_023.D	Alumina 0.53(mm)
IC 480-716675/4		06/25/2024 11:19	1		RTX-U Plot 0.32(mm)
IC 480-716675/5		06/25/2024 11:38	1	pe3_098_024.D	Alumina 0.53(mm)
IC 480-716675/5		06/25/2024 11:38	1		RTX-U Plot 0.32(mm)
IC 480-716675/6		06/25/2024 11:56	1	pe3_098_025.D	Alumina 0.53(mm)
IC 480-716675/6		06/25/2024 11:56	1		RTX-U Plot 0.32(mm)
IC 480-716675/7		06/25/2024 12:15	1	pe3_098_026.D	Alumina 0.53(mm)
IC 480-716675/7		06/25/2024 12:15	1		RTX-U Plot 0.32(mm)
IC 480-716675/8		06/25/2024 12:34	1	pe3_098_027.D	Alumina 0.53(mm)
IC 480-716675/8		06/25/2024 12:34	1		RTX-U Plot 0.32(mm)
ZZZZZ		06/25/2024 12:53	1		Alumina 0.53(mm)
ZZZZZ		06/25/2024 12:53	1		RTX-U Plot 0.32(mm)
IC 480-716675/10		06/25/2024 13:12	1	pe3_098_029.D	Alumina 0.53(mm)
IC 480-716675/10		06/25/2024 13:12	1		RTX-U Plot 0.32(mm)
IC 480-716675/11		06/25/2024 13:31	1	pe3_098_030.D	Alumina 0.53(mm)
IC 480-716675/11		06/25/2024 13:31	1		RTX-U Plot 0.32(mm)
IC 480-716675/12		06/25/2024 13:50	1	pe3_098_031.D	Alumina 0.53(mm)
IC 480-716675/12		06/25/2024 13:50	1		RTX-U Plot 0.32(mm)
IC 480-716675/13		06/25/2024 14:09	1	pe3_098_032.D	Alumina 0.53(mm)
IC 480-716675/13		06/25/2024 14:09	1		RTX-U Plot 0.32(mm)
ICV 480-716675/14		06/25/2024 14:27	1	pe3_098_033.D	Alumina 0.53(mm)
ICV 480-716675/14		06/25/2024 14:27	1		RTX-U Plot 0.32(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: PE-03 Start Date: 09/25/2024 10:43

Analysis Batch Number: 726126 End Date: 09/25/2024 14:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-726126/6		09/25/2024 10:43	1	pe3_100_128.D	Alumina 0.53(mm)
CCV 480-726126/6		09/25/2024 10:43	1		RTX-U Plot 0.32(mm)
MB 480-726126/7		09/25/2024 11:02	1	pe3_100_129.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 11:02	1		RTX-U Plot 0.32(mm)
LCS 480-726126/9		09/25/2024 11:54	1	pe3_100_131.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 11:54	1		RTX-U Plot 0.32(mm)
480-223647-1	GW-13D-09232024	09/25/2024 12:19	1	pe3_100_132.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 12:19	1		RTX-U Plot 0.32(mm)
480-223647-2	GW-M-27D-09232024	09/25/2024 12:46	1	pe3_100_133.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 12:46	1		RTX-U Plot 0.32(mm)
480-223647-3	SW-B-09232024	09/25/2024 13:05	1	pe3_100_134.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 13:05	1		RTX-U Plot 0.32(mm)
480-223647-4	FD-1-09232024	09/25/2024 13:24	1	pe3_100_135.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 13:24	1		RTX-U Plot 0.32(mm)
480-223647-6	SW-A-09232024	09/25/2024 13:43	1	pe3_100_136.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 13:43	1		RTX-U Plot 0.32(mm)
480-223647-3 MS	SW-B-09232024-MS MS	09/25/2024 14:02	1	pe3_100_137.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 14:02	1		RTX-U Plot 0.32(mm)
480-223647-3 MSD	SW-B-09232024-MSD MSD	09/25/2024 14:21	1	pe3_100_138.D	Alumina 0.53(mm)
ZZZZZ		09/25/2024 14:21	1		RTX-U Plot 0.32(mm)
CCV 480-726126/17		09/25/2024 14:39	1	pe3_100_139.D	Alumina 0.53(mm)
CCV 480-726126/17		09/25/2024 14:39	1		RTX-U Plot 0.32(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: PE-03 Start Date: 09/26/2024 11:36

Analysis Batch Number: 726287 End Date: 09/26/2024 16:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-726287/3		09/26/2024 11:36	1	pe3_100_142.D	Alumina 0.53(mm)
CCV 480-726287/3		09/26/2024 11:36	1		RTX-U Plot 0.32(mm)
MB 480-726287/4		09/26/2024 11:55	1	pe3_100_143.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 11:55	1		RTX-U Plot 0.32(mm)
LCS 480-726287/5		09/26/2024 12:14	1	pe3_100_144.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 12:14	1		RTX-U Plot 0.32(mm)
LCSD 480-726287/6		09/26/2024 12:33	1	pe3_100_145.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 12:33	1		RTX-U Plot 0.32(mm)
480-223692-1	GW-M-26S-09242024	09/26/2024 13:00	1	pe3_100_146.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 13:00	1		RTX-U Plot 0.32(mm)
480-223692-2	GW-M-26D-09242024	09/26/2024 13:19	1	pe3_100_147.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 13:19	1		RTX-U Plot 0.32(mm)
480-223692-3	GW-M-11D-09242024	09/26/2024 13:38	1	pe3_100_148.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 13:38	1		RTX-U Plot 0.32(mm)
480-223692-4	GW-MW-1-09242024	09/26/2024 13:57	1	pe3_100_149.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 13:57	1		RTX-U Plot 0.32(mm)
480-223692-5	GW-MW-4-09242024	09/26/2024 14:16	1	pe3_100_150.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 14:16	1		RTX-U Plot 0.32(mm)
480-223692-6	FD-2-09242024	09/26/2024 14:35	1	pe3_100_151.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 14:35	1		RTX-U Plot 0.32(mm)
480-223692-7	SW-G-09242024	09/26/2024 14:54	1	pe3_100_152.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 14:54	1		RTX-U Plot 0.32(mm)
480-223692-8	SW-F-09242024	09/26/2024 15:13	1	pe3_100_153.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 15:13	1		RTX-U Plot 0.32(mm)
480-223692-9	SW-E-09242024	09/26/2024 15:31	1	pe3_100_154.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 15:31	1		RTX-U Plot 0.32(mm)
480-223692-10	EB-1-09242024	09/26/2024 15:50	1	pe3_100_155.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 15:50	1		RTX-U Plot 0.32(mm)
480-223692-11	TB-2-09242024	09/26/2024 16:09	1	pe3_100_156.D	Alumina 0.53(mm)
ZZZZZ		09/26/2024 16:09	1		RTX-U Plot 0.32(mm)
CCV 480-726287/18		09/26/2024 16:28	1	pe3_100_157.D	Alumina 0.53(mm)
CCV 480-726287/18		09/26/2024 16:28	1		RTX-U Plot 0.32(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: PE-03 Start Date: 09/27/2024 08:42

Analysis Batch Number: 726371 End Date: 09/27/2024 19:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-726371/3		09/27/2024 08:42	1	pe3_100_160.D	Alumina 0.53(mm)
CCV 480-726371/3		09/27/2024 08:42	1		RTX-U Plot 0.32(mm)
MB 480-726371/4		09/27/2024 09:01	1	pe3_100_161.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 09:01	1		RTX-U Plot 0.32(mm)
LCS 480-726371/5		09/27/2024 09:20	1	pe3_100_162.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 09:20	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 09:45	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 09:45	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 10:04	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 10:04	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 10:23	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 10:23	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 10:41	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 10:41	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 11:00	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 11:00	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 11:19	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 11:19	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 11:38	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 11:38	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 11:57	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 11:57	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 12:16	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 12:16	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 12:35	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 12:35	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 12:54	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 12:54	1		RTX-U Plot 0.32(mm)
CCV 480-726371/17		09/27/2024 13:12	1	pe3_100_174.D	Alumina 0.53(mm)
CCV 480-726371/17		09/27/2024 13:12	1		RTX-U Plot 0.32(mm)
480-223755-1	EB-2-09252024	09/27/2024 13:31	1	pe3_100_175.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 13:31	1		RTX-U Plot 0.32(mm)
480-223755-2	GW-4S-09252024	09/27/2024 13:50	1	pe3_100_176.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 13:50	1		RTX-U Plot 0.32(mm)
480-223755-3	GW-4D-09252024	09/27/2024 14:09	1	pe3_100_177.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 14:09	1		RTX-U Plot 0.32(mm)
480-223755-4	GW-M-25D-09252024	09/27/2024 14:28	1	pe3_100_178.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 14:28	1		RTX-U Plot 0.32(mm)
480-223755-5	GW-M-25S-09252024	09/27/2024 14:47	1	pe3_100_179.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 14:47	1		RTX-U Plot 0.32(mm)
480-223755-6	GW-M-26D-09252024	09/27/2024 15:06	1	pe3_100_180.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 15:06	1		RTX-U Plot 0.32(mm)
480-223755-7	GW-M-28D-09252024	09/27/2024 15:24	1	pe3_100_181.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 15:24	1		RTX-U Plot 0.32(mm)
480-223755-8	GW-M-29S-09252024	09/27/2024 15:43	1	pe3_100_182.D	Alumina 0.53(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: PE-03 Start Date: 09/27/2024 08:42

Analysis Batch Number: 726371 End Date: 09/27/2024 19:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/27/2024 15:43	1		RTX-U Plot 0.32(mm)
480-223755-9	GW-M-28S-09252024	09/27/2024 16:02	1	pe3_100_183.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 16:02	1		RTX-U Plot 0.32(mm)
480-223755-10	SW-D-09252024	09/27/2024 16:21	1	pe3_100_184.D	Alumina 0.53(mm)
ZZZZZ		09/27/2024 16:21	1		RTX-U Plot 0.32(mm)
CCV 480-726371/28		09/27/2024 16:40	1	pe3_100_185.D	Alumina 0.53(mm)
CCV 480-726371/28		09/27/2024 16:40	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 16:59	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 16:59	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 17:18	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 17:18	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 17:36	1		Alumina 0.53(mm)
ZZZZZ		09/27/2024 17:36	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 17:55	5.5		Alumina 0.53(mm)
ZZZZZ		09/27/2024 17:55	5.5		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 18:14	22		Alumina 0.53(mm)
ZZZZZ		09/27/2024 18:14	22		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 18:33	22		Alumina 0.53(mm)
ZZZZZ		09/27/2024 18:33	22		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 18:52	22		Alumina 0.53(mm)
ZZZZZ		09/27/2024 18:52	22		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 19:11	22		Alumina 0.53(mm)
ZZZZZ		09/27/2024 19:11	22		RTX-U Plot 0.32(mm)
ZZZZZ		09/27/2024 19:30	44		Alumina 0.53(mm)
ZZZZZ		09/27/2024 19:30	44		RTX-U Plot 0.32(mm)
CCV 480-726371/38		09/27/2024 19:48	1		Alumina 0.53(mm)
CCV 480-726371/38		09/27/2024 19:48	1		RTX-U Plot 0.32(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: PE-03 Start Date: 09/30/2024 08:49

Analysis Batch Number: 726563 End Date: 09/30/2024 13:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-726563/5		09/30/2024 08:49	1	pe3_100_200.D	Alumina 0.53(mm)
CCV 480-726563/5		09/30/2024 08:49	1		RTX-U Plot 0.32(mm)
MB 480-726563/6		09/30/2024 09:08	1	pe3_100_201.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 09:08	1		RTX-U Plot 0.32(mm)
LCS 480-726563/7		09/30/2024 09:27	1	pe3_100_202.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 09:27	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/30/2024 09:46	5.5		Alumina 0.53(mm)
ZZZZZ		09/30/2024 09:46	5.5		RTX-U Plot 0.32(mm)
480-223784-1	EB-3-09262024	09/30/2024 10:04	1	pe3_100_204.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 10:04	1		RTX-U Plot 0.32(mm)
480-223784-3	GW-DGC-4S-09262024	09/30/2024 10:23	1	pe3_100_205.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 10:23	1		RTX-U Plot 0.32(mm)
480-223784-4	GW-13S-09262024	09/30/2024 10:42	1	pe3_100_206.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 10:42	1		RTX-U Plot 0.32(mm)
480-223784-5	GW-M-24DR-09262024	09/30/2024 11:01	1	pe3_100_207.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 11:01	1		RTX-U Plot 0.32(mm)
ZZZZZ		09/30/2024 11:20	110		Alumina 0.53(mm)
ZZZZZ		09/30/2024 11:20	110		RTX-U Plot 0.32(mm)
ZZZZZ		09/30/2024 11:39	220		Alumina 0.53(mm)
ZZZZZ		09/30/2024 11:39	220		RTX-U Plot 0.32(mm)
ZZZZZ		09/30/2024 11:58	220		Alumina 0.53(mm)
ZZZZZ		09/30/2024 11:58	220		RTX-U Plot 0.32(mm)
ZZZZZ		09/30/2024 12:16	220		Alumina 0.53(mm)
ZZZZZ		09/30/2024 12:16	220		RTX-U Plot 0.32(mm)
ZZZZZ		09/30/2024 12:35	440		Alumina 0.53(mm)
ZZZZZ		09/30/2024 12:35	440		RTX-U Plot 0.32(mm)
480-223784-2	GW-10S-09262024	09/30/2024 12:54	1	pe3_100_213.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 12:54	1		RTX-U Plot 0.32(mm)
480-223784-2 MS	GW-10S-09262024-MS MS	09/30/2024 13:13	1	pe3_100_214.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 13:13	1		RTX-U Plot 0.32(mm)
480-223784-2 MSD	GW-10S-09262024-MSD MSD	09/30/2024 13:32	1	pe3_100_215.D	Alumina 0.53(mm)
ZZZZZ		09/30/2024 13:32	1		RTX-U Plot 0.32(mm)
CCV 480-726563/21		09/30/2024 13:51	1	pe3_100_216.D	Alumina 0.53(mm)
CCV 480-726563/21		09/30/2024 13:51	1		RTX-U Plot 0.32(mm)

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 716675 Batch Start Date: 06/25/24 11:19 Batch Analyst: Neary, Mary A

Batch Method: RSK-175 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	_RSK_STK 00028	_RSK_STK 00029	
IC 480-716675/4		RSK-175			17 mL	17 mL	<2 SU		10 uL	
IC 480-716675/5		RSK-175			17 mL	17 mL	<2 SU		20 uL	
IC 480-716675/6		RSK-175			17 mL	17 mL	<2 SU		50 uL	
IC 480-716675/7		RSK-175			17 mL	17 mL	<2 SU		100 uL	
IC 480-716675/8		RSK-175			17 mL	17 mL	<2 SU		200 uL	
IC 480-716675/10		RSK-175			17 mL	17 mL	<2 SU		600 uL	
IC 480-716675/11		RSK-175			17 mL	17 mL	<2 SU		800 uL	
IC 480-716675/12		RSK-175			17 mL	17 mL	<2 SU		1000 uL	
IC 480-716675/13		RSK-175			17 mL	17 mL	<2 SU		400 uL	
ICV 480-716675/14		RSK-175			17 mL	17 mL		100 uL		

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726126 Batch Start Date: 09/25/24 10:43 Batch Analyst: Salverson, Jessica L

Batch Method: RSK-175 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	_RSK_STK 00029		
CCV 480-726126/6		RSK-175			17 mL	17 mL	<2 SU	100 uL		
MB 480-726126/7		RSK-175			17 mL	17 mL	<2 SU			
LCS 480-726126/9		RSK-175			17 mL	17 mL	<2 SU	50 uL		
480-223647-H-1	GW-13D-09232024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223647-E-2	GW-M-27D-09232024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223647-F-3	SW-B-09232024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223647-D-4	FD-1-09232024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223647-D-6	SW-A-09232024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223647-H-3 MS	SW-B-09232024-MS	RSK-175	Water	T	17 mL	17 mL	<2 SU	50 uL		
480-223647-C-3 MSD	SW-B-09232024-MSD	RSK-175	Water	T	17 mL	17 mL	<2 SU	50 uL		
CCV 480-726126/17		RSK-175			17 mL	17 mL	<2 SU	100 uL		

Batch Notes	
Batch Comment	HCl Lot #: 63024

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726287 Batch Start Date: 09/26/24 11:36 Batch Analyst: Neary, Mary A

Batch Method: RSK-175 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	_RSK_STK 00029		
CCV 480-726287/3		RSK-175			17 mL	17 mL	<2 SU	100 uL		
MB 480-726287/4		RSK-175			17 mL	17 mL	<2 SU			
LCS 480-726287/5		RSK-175			17 mL	17 mL	<2 SU	50 uL		
LCSD 480-726287/6		RSK-175			17 mL	17 mL	<2 SU	50 uL		
480-223692-A-1	GW-M-26S-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-2	GW-M-26D-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-3	GW-M-11D-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-4	GW-MW-1-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-5	GW-MW-4-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-6	FD-2-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-7	SW-G-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-8	SW-F-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-9	SW-E-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-10	EB-1-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223692-A-11	TB-2-09242024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
CCV 480-726287/18		RSK-175			17 mL	17 mL	<2 SU	100 uL		

Batch Notes	
Batch Comment	HCl Lot#63024

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726371 Batch Start Date: 09/27/24 08:42 Batch Analyst: Neary, Mary A

Batch Method: RSK-175 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	_RSK_STK 00029		
CCV 480-726371/3		RSK-175			17 mL	17 mL	<2 SU	100 uL		
MB 480-726371/4		RSK-175			17 mL	17 mL	<2 SU			
LCS 480-726371/5		RSK-175			17 mL	17 mL	<2 SU	50 uL		
CCV 480-726371/17		RSK-175			17 mL	17 mL	<2 SU	100 uL		
480-223755-F-1	EB-2-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-2	GW-4S-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-3	GW-4D-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-4	GW-M-25D-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-5	GW-M-25S-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-6	GW-M-26D-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-7	GW-M-28D-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-8	GW-M-29S-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-9	GW-M-28S-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223755-F-10	SW-D-09252024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
CCV 480-726371/28		RSK-175			17 mL	17 mL	<2 SU	100 uL		

Batch Notes	
Batch Comment	HCl Lot# 63024

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726563 Batch Start Date: 09/30/24 08:49 Batch Analyst: Neary, Mary A

Batch Method: RSK-175 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	_RSK_STK 00029		
CCV 480-726563/5		RSK-175			17 mL	17 mL	<2 SU	100 uL		
MB 480-726563/6		RSK-175			17 mL	17 mL	<2 SU			
LCS 480-726563/7		RSK-175			17 mL	17 mL	<2 SU	50 uL		
480-223784-D-1	EB-3-09262024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223784-D-3	GW-DGC-45-09262024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223784-D-4	GW-13S-09262024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223784-D-5	GW-M-24DR-09262024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223784-D-2	GW-10S-09262024	RSK-175	Water	T	17 mL	17 mL	<2 SU			
480-223784-D-2 MS	GW-10S-09262024-MS	RSK-175	Water	T	17 mL	17 mL	<2 SU	50 uL		
480-223784-D-2 MSD	GW-10S-09262024-MSD	RSK-175	Water	T	17 mL	17 mL	<2 SU	50 uL		
CCV 480-726563/21		RSK-175			17 mL	17 mL	<2 SU	100 uL		

Batch Notes	
Batch Comment	HCl Lot#63024

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Buffalo Job Number: 480-223647-1

SDG No.: 480-223647-1

Project: Malta Rocket Fuel (MRFA)

Client Sample ID	Lab Sample ID
GW-13D-09232024	480-223647-1
GW-M-27D-09232024	480-223647-2
SW-B-09232024	480-223647-3
FD-1-09232024	480-223647-4

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: GW-13D-09232024 Lab Sample ID: 480-223647-1

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG ID.: 480-223647-1

Matrix: Water Date Sampled: 09/23/2024 12:00

Reporting Basis: WET Date Received: 09/24/2024 10:00

Preparation Batch Number: 726051 Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-47-3	Chromium	0.0032	0.0040	0.0010	mg/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: GW-M-27D-09232024
Lab Sample ID: 480-223647-2
Lab Name: Eurofins Buffalo
Job No.: 480-223647-1
SDG ID.: 480-223647-1
Matrix: Water
Date Sampled: 09/23/2024 13:20
Reporting Basis: WET
Date Received: 09/24/2024 10:00
Preparation Batch Number: 726051
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-47-3	Chromium	0.24	0.0040	0.0010	mg/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SW-B-09232024 Lab Sample ID: 480-223647-3

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG ID.: 480-223647-1

Matrix: Water Date Sampled: 09/23/2024 14:15

Reporting Basis: WET Date Received: 09/24/2024 10:00

Preparation Batch Number: 726051 Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-47-3	Chromium	0.0040	0.0040	0.0010	mg/L	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FD-1-09232024 Lab Sample ID: 480-223647-4

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG ID.: 480-223647-1

Matrix: Water Date Sampled: 09/23/2024 00:00

Reporting Basis: WET Date Received: 09/24/2024 10:00

Preparation Batch Number: 726051 Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-47-3	Chromium	0.0040	0.0040	0.0010	mg/L	U		1	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

ICV Source: MEI_MSS_ICV_00169 Concentration Units: mg/L

CCV Source: MEI_MSS_STD2_00346

Analyte	ICV 480-726239/5 09/25/2024 14:17				CCV 480-726239/59 09/25/2024 19:09				CCV 480-726239/71 09/25/2024 19:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	0.756		0.751	101	1.07		1.00	107	1.08		1.00	108

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

ICV Source: MEI_MSS_ICV_00169 Concentration Units: mg/L

CCV Source: MEI_MSS_STD2_00346

Analyte	CCV 480-726239/83 09/25/2024 19:55											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	1.08		1.00	108								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

ICV Source: MEI_10_CCVL_00526 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00526

Analyte	ICVL 480-726239/7 09/25/2024 14:20				CCVL 480-726239/61 09/25/2024 19:13				CCVL 480-726239/73 09/25/2024 19:36			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	0.00431		0.00400	108	0.00469		0.00400	117	0.00423		0.00400	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

ICV Source: MEI_10_CCVL_00526 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00526

Analyte	CCVL 480-726239/85 09/25/2024 19:58											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	0.00436		0.00400	109								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Concentration Units: mg/L

Analyte	RL	ICB 480-726239/6 09/25/2024 14:18		CCB 480-726239/60 09/25/2024 19:11		CCB 480-726239/72 09/25/2024 19:34		CCB 480-726239/84 09/25/2024 19:57	
		Found	C	Found	C	Found	C	Found	C
Chromium	0.0040	0.0040	U	0.0040	U	0.0040	U	0.0040	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Concentration Units: mg/L Lab Sample ID: MB 480-726051/1-A

Instrument Code: ICAP3 Batch No.: 726239

CAS No.	Analyte	Concentration	C	Q	Method
7440-47-3	Chromium	0.0040	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICSA 480-726239/8 Instrument ID: ICAP3

Lab File ID: I320240925E - 3.csv ICS Source: MEI_MSS_ICSA_00067

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Chromium		**0.0015**	
Aluminum	*500*	*512*	*102*
Antimony		*-0.0111*	
Arsenic		*-0.0046*	
Barium	*0.0120*	*0.0026*	
Beryllium		*0.0001*	
Boron		*-0.0014*	
Cadmium		*-0.0003*	
Calcium	*500*	*484*	*97*
Cobalt		*0.0014*	
Copper		*0.0010*	
Iron	*200*	*178*	*89*
Lead		*0.0000*	
Lithium		*0.0010*	
Magnesium	*500*	*521*	*104*
Manganese		*0.0019*	
Molybdenum		*-0.0040*	
Nickel		*0.0005*	
Potassium		*0.0000*	
Selenium		*0.0018*	
Silicon		*-0.0229*	
Silver		*0.0004*	
Sodium		*0.180*	
Strontium		*0.0045*	
Sulfur		*0.0000*	
Thallium		*0.0075*	
Tin		*0.0002*	
Titanium		*-0.0010*	
Vanadium		*-0.0027*	
Zinc		*0.0043*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Lab Sample ID: ICSAB 480-726239/9 Instrument ID: ICAP3

Lab File ID: I320240925E - 3.csv ICS Source: MEI_MSS_ICSAB_00067

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Chromium	**0.500**	**0.478**	**96**
Aluminum	*500*	*506*	*101*
Antimony	*0.500*	*0.497*	*99*
Arsenic	*0.500*	*0.491*	*98*
Barium	*0.513*	*0.506*	*99*
Beryllium	*0.250*	*0.253*	*101*
Boron	*5.00*	*5.08*	*102*
Cadmium	*0.500*	*0.511*	*102*
Calcium	*500*	*476*	*95*
Cobalt	*0.500*	*0.488*	*98*
Copper	*0.500*	*0.534*	*107*
Iron	*200*	*176*	*88*
Lead	*0.500*	*0.488*	*98*
Lithium		*0.0013*	
Magnesium	*500*	*514*	*103*
Manganese	*0.501*	*0.472*	*94*
Molybdenum	*0.500*	*0.490*	*98*
Nickel	*0.501*	*0.495*	*99*
Potassium	*5.00*	*5.14*	*103*
Selenium	*0.500*	*0.484*	*97*
Silicon	*5.00*	*4.89*	*98*
Silver	*0.500*	*0.485*	*97*
Sodium	*5.00*	*5.44*	*109*
Strontium	*0.500*	*0.511*	*102*
Sulfur		*0.0099*	
Thallium	*0.500*	*0.504*	*101*
Tin	*0.500*	*0.494*	*99*
Titanium	*0.500*	*0.518*	*104*
Vanadium	*0.500*	*0.488*	*98*
Zinc	*0.501*	*0.455*	*91*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SW-B-09232024-MS MS Lab ID: 480-223647-3 MS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Concentration Units: mg/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Chromium	0.539		0.0040	U	0.500	108	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: SW-B-09232024-MSD MSD Lab ID: 480-223647-3 MSD

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Concentration Units: mg/L

% Solids:

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Chromium	0.533		0.500	107	75-125	1	20		6010C

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: SW-B-09232024 PDS Lab ID: 480-223647-3 PDS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water Concentration Units: mg/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Chromium	0.552		0.0040	U	0.500	110	80-120		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-726051/2-A

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

Sample Matrix: Water LCS Source: Spike Mx 1_00006

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Chromium	0.500	0.535		107	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 480-726051/3-A

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

Sample Matrix: Water LCS Source: Spike Mx 1_00006

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Chromium	0.548		0.500	110	80-120	3	20		6010C

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 480-223647-3

SDG No: 480-223647-1

Lab Name: Eurofins Buffalo Job No: 480-223647-1

Matrix: Water Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Chromium	0.0040	U	0.020	U	NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-223647-1

SDG Number: 480-223647-1

Matrix: Water Instrument ID: ICAP3

Method: 6010C MDL Date: 07/17/2013 11:47

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chromium	267.716	0.004	0.001

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Buffalo Job Number: 480-223647-1

SDG Number: 480-223647-1

Matrix: Water Instrument ID: ICAP3

Method: 6010C XMDL Date: 07/17/2013 11:47

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chromium	267.716	0.004	0.001

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Buffalo Job No: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: ICAP3 Date: 08/23/2024 17:02

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Chromium	15	10	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-726051/1-A	09/25/2024 08:16	726051		50	50
LCS 480-726051/2-A	09/25/2024 08:16	726051		50	50
LCSD 480-726051/3-A	09/25/2024 08:16	726051		50	50
480-223647-1	09/25/2024 08:16	726051		50	50
480-223647-2	09/25/2024 08:16	726051		50	50
480-223647-3	09/25/2024 08:16	726051		50	50
480-223647-3 MS	09/25/2024 08:16	726051		50	50
480-223647-3 MSD	09/25/2024 08:16	726051		50	50
480-223647-4	09/25/2024 08:16	726051		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: ICAP3 Method: 6010C

Start Date: 09/25/2024 14:09 End Date: 09/25/2024 21:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr																			
ICIS 480-726239/1	1		14:09	X																			
IC 480-726239/2			14:11	X																			
IC 480-726239/3			14:13	X																			
IC 480-726239/4			14:15	X																			
ICV 480-726239/5	1		14:17	X																			
ICB 480-726239/6	1		14:18	X																			
ICVL 480-726239/7	1		14:20	X																			
ICSA 480-726239/8	1		14:22	X																			
ICSAB 480-726239/9	1		14:24	X																			
ZZZZZZ			14:26																				
ZZZZZZ			14:28																				
ZZZZZZ			14:30																				
ZZZZZZ			14:32																				
ZZZZZZ			14:34																				
CCV 480-726239/15			14:35																				
CCB 480-726239/16			14:37																				
CCVL 480-726239/17			14:39																				
LRC 480-726239/18			15:03																				
CCV 480-726239/19			17:53																				
CCB 480-726239/20			17:55																				
CCVL 480-726239/21			17:57																				
ZZZZZZ			17:59																				
ZZZZZZ			18:01																				
CCV 480-726239/24			18:03																				
CCB 480-726239/25			18:05																				
CCVL 480-726239/26			18:07																				
ZZZZZZ			18:08																				
ZZZZZZ			18:10																				
ZZZZZZ			18:12																				
ZZZZZZ			18:14																				
ZZZZZZ			18:16																				
ZZZZZZ			18:18																				
ZZZZZZ			18:20																				
RINSE 480-726239/34			18:22																				
CCV 480-726239/35			18:24																				
CCB 480-726239/36			18:25																				
CCVL 480-726239/37			18:27																				
ZZZZZZ			18:29																				
ZZZZZZ			18:31																				
ZZZZZZ			18:33																				
ZZZZZZ			18:35																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: ICAP3 Method: 6010C

Start Date: 09/25/2024 14:09 End Date: 09/25/2024 21:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr																			
ZZZZZZ			18:37																				
ZZZZZZ			18:39																				
ZZZZZZ			18:41																				
ZZZZZZ			18:43																				
ZZZZZZ			18:44																				
CCV 480-726239/47			18:46																				
CCB 480-726239/48			18:48																				
CCVL 480-726239/49			18:50																				
ZZZZZZ			18:52																				
ZZZZZZ			18:54																				
ZZZZZZ			18:56																				
ZZZZZZ			18:58																				
ZZZZZZ			19:00																				
ZZZZZZ			19:02																				
ZZZZZZ			19:03																				
ZZZZZZ			19:05																				
RINSE 480-726239/58			19:07																				
CCV 480-726239/59	1		19:09	X																			
CCB 480-726239/60	1		19:11	X																			
CCVL 480-726239/61	1		19:13	X																			
MB 480-726051/1-A	1	T	19:15	X																			
LCS 480-726051/2-A	1	T	19:17	X																			
LCSD 480-726051/3-A	1	T	19:19	X																			
ZZZZZZ			19:21																				
ZZZZZZ			19:22																				
ZZZZZZ			19:24																				
ZZZZZZ			19:26																				
ZZZZZZ			19:28																				
480-223647-1	1	T	19:30	X																			
CCV 480-726239/71	1		19:32	X																			
CCB 480-726239/72	1		19:34	X																			
CCVL 480-726239/73	1		19:36	X																			
480-223647-2	1	T	19:38	X																			
480-223647-3	1	T	19:39	X																			
480-223647-3 SD	5	T	19:41	X																			
480-223647-3 PDS	1	T	19:43	X																			
480-223647-3 MS	1	T	19:45	X																			
480-223647-3 MSD	1	T	19:47	X																			
480-223647-4	1	T	19:49	X																			
ZZZZZZ			19:51																				
RINSE 480-726239/82			19:53																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: ICAP3 Method: 6010C

Start Date: 09/25/2024 14:09 End Date: 09/25/2024 21:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr																			
CCV 480-726239/83	1		19:55	X																			
CCB 480-726239/84	1		19:57	X																			
CCVL 480-726239/85	1		19:58	X																			
ZZZZZZ			20:00																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
ZZZZZZ			20:06																				
ZZZZZZ			20:08																				
ZZZZZZ			20:10																				
ZZZZZZ			20:12																				
ZZZZZZ			20:14																				
RINSE 480-726239/94			20:16																				
CCV 480-726239/95			20:18																				
CCB 480-726239/96			20:19																				
CCVL 480-726239/97			20:21																				
ZZZZZZ			20:23																				
ZZZZZZ			20:25																				
ZZZZZZ			20:27																				
ZZZZZZ			20:29																				
ZZZZZZ			20:31																				
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:37																				
ZZZZZZ			20:38																				
CCV 480-726239/107			20:40																				
CCB 480-726239/108			20:42																				
CCVL 480-726239/109			20:44																				
ZZZZZZ			20:46																				
ZZZZZZ			20:48																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:54																				
ZZZZZZ			20:56																				
ZZZZZZ			20:58																				
ZZZZZZ			20:59																				
ZZZZZZ			21:01																				
CCV 480-726239/119			21:03																				
CCB 480-726239/120			21:05																				
CCVL 480-726239/121			21:07																				
ZZZZZZ			21:09																				
ZZZZZZ			21:11																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: ICAP3 Method: 6010C

Start Date: 09/25/2024 14:09 End Date: 09/25/2024 21:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr																			
ZZZZZZ			21:13																				
ZZZZZZ			21:15																				
RINSE 480-726239/126			21:17																				
CCV 480-726239/127			21:19																				
CCB 480-726239/128			21:21																				
CCVL 480-726239/129			21:22																				

Prep Types
T = Total/NA

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1 Analysis Batch No.: 726239

ICP Instrument ID: ICAP3 Start Date: 09/25/2024 End Date: 09/25/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In 230.606	Q	Element Y 224.306	Q	Element Y 360.073	Q	Element Y 377.433	Q	Element	Q
ICIS 480-726239/1	14:09										
ICV 480-726239/5	14:17	107		105		108		99			
ICB 480-726239/6	14:18	107		105		107		102			
ICVL 480-726239/7	14:20	105		104		105		100			
ICSA 480-726239/8	14:22	98		97		103		94			
ICSAB 480-726239/9	14:24	98		97		104		95			
CCV 480-726239/59	19:09	105		101		105		93			
CCB 480-726239/60	19:11	103		101		103		96			
CCVL 480-726239/61	19:13	104		101		102		95			
MB 480-726051/1-A	19:15	104		101		103		97			
LCS 480-726051/2-A	19:17	104		100		103		94			
LCSD 480-726051/3-A	19:19	104		100		104		94			
480-223647-1	19:30	104		100		103		94			
CCV 480-726239/71	19:32	105		101		104		92			
CCB 480-726239/72	19:34	104		101		102		94			
CCVL 480-726239/73	19:36	104		101		102		95			
480-223647-2	19:38	102		98		102		93			
480-223647-3	19:39	103		99		103		94			
480-223647-3 SD	19:41	103		99		101		93			
480-223647-3 PDS	19:43	101		98		103		93			
480-223647-3 MS	19:45	101		99		103		93			
480-223647-3 MSD	19:47	101		98		102		93			
480-223647-4	19:49	102		98		102		93			
CCV 480-726239/83	19:55	105		100		105		92			
CCB 480-726239/84	19:57	103		101		103		95			
CCVL 480-726239/85	19:58	103		101		103		95			
IS Name on Instrument											

Sample List Summary

9/26/2024 8:24:56 AM

LabBook: I320240925E - 3.imexp

Summary

Index	Label	Sample Type	Amount	Final Quantity	Standard DF	Started at
1	ICIS-8053365	BLK			1	9/25/2024 2:09:25 PM
2	IC-8053374	STD			1	9/25/2024 2:11:26 PM
3	IC-8053377	STD			1	9/25/2024 2:13:19 PM
4	IC-8053393	STD			1	9/25/2024 2:15:12 PM
5	ICV-8053395	QC			1	9/25/2024 2:17:04 PM
6	ICB-8053365	QC			1	9/25/2024 2:18:59 PM
7	ICVL-8053374	QC			1	9/25/2024 2:20:52 PM
8	ICSA-8053415	QC			1	9/25/2024 2:22:45 PM
9	ICSAB-8053427	QC			1	9/25/2024 2:24:38 PM
10	ICEX1	UNKNOWN			1	9/25/2024 2:26:31 PM
11	ICEX2	UNKNOWN			1	9/25/2024 2:28:25 PM
12	ICEX3	UNKNOWN			1	9/25/2024 2:30:18 PM
13	ICEX4	UNKNOWN			1	9/25/2024 2:32:11 PM
14	ICEX5	UNKNOWN			1	9/25/2024 2:34:04 PM
15	CCV-8053377	QC			1	9/25/2024 2:35:58 PM
16	CCB-8053365	QC			1	9/25/2024 2:37:52 PM
17	CCVL-8053374	QC			1	9/25/2024 2:39:45 PM
18	LRC-8076790	QC			1	9/25/2024 3:03:43 PM
19	CCV-8053377	QC			1	9/25/2024 5:53:42 PM
20	CCB-8053365	QC			1	9/25/2024 5:55:37 PM
21	CCVL-8053374	QC			1	9/25/2024 5:57:31 PM
22	MB 480-725820/1-A	UNKNOWN			1	9/25/2024 5:59:25 PM
23	LCS 480-725820/2-A	UNKNOWN			1	9/25/2024 6:01:20 PM
24	CCV-8053377	QC			1	9/25/2024 6:03:13 PM
25	CCB-8053365	QC			1	9/25/2024 6:05:08 PM
26	CCVL-8053374	QC			1	9/25/2024 6:07:01 PM
27	480-223540-E-5-C	UNKNOWN			1	9/25/2024 6:08:57 PM
28	480-223540-E-5-C@10	UNKNOWN			1	9/25/2024 6:10:50 PM
29	480-223540-E-7-C	UNKNOWN			1	9/25/2024 6:12:43 PM
30	480-223540-E-7-C@20	UNKNOWN			1	9/25/2024 6:14:37 PM
31	480-223540-E-10-C	UNKNOWN			1	9/25/2024 6:16:30 PM
32	480-223540-E-12-C	UNKNOWN			1	9/25/2024 6:18:24 PM
33	480-223540-E-12-C@10	UNKNOWN			1	9/25/2024 6:20:17 PM
34	rinse	UNKNOWN			1	9/25/2024 6:22:11 PM
35	CCV-8053377	QC			1	9/25/2024 6:24:04 PM
36	CCB-8053365	QC			1	9/25/2024 6:25:59 PM
37	CCVL-8053374	QC			1	9/25/2024 6:27:53 PM
38	MB 480-725992/1-A	UNKNOWN			1	9/25/2024 6:29:48 PM
39	LCSSRM 480-725992/2-A	UNKNOWN			1	9/25/2024 6:31:42 PM
40	480-223609-A-1-C	UNKNOWN			1	9/25/2024 6:33:35 PM
41	480-223609-A-1-CSD@5	UNKNOWN			1	9/25/2024 6:35:29 PM
42	480-223609-A-1-CPDS	UNKNOWN			1	9/25/2024 6:37:22 PM
43	480-223609-A-1-D MS	UNKNOWN			1	9/25/2024 6:39:16 PM
44	480-223609-A-1-E MSD	UNKNOWN			1	9/25/2024 6:41:09 PM
45	480-223638-A-1-A	UNKNOWN			1	9/25/2024 6:43:02 PM
46	480-223638-A-2-A	UNKNOWN			1	9/25/2024 6:44:56 PM
47	CCV-8053377	QC			1	9/25/2024 6:46:49 PM
48	CCB-8053365	QC			1	9/25/2024 6:48:44 PM
49	CCVL-8053374	QC			1	9/25/2024 6:50:38 PM
50	480-223638-A-3-A	UNKNOWN			1	9/25/2024 6:52:33 PM
51	480-223638-A-4-A	UNKNOWN			1	9/25/2024 6:54:27 PM
52	480-223638-A-5-A	UNKNOWN			1	9/25/2024 6:56:20 PM
53	480-223638-A-6-A	UNKNOWN			1	9/25/2024 6:58:14 PM
54	480-223638-A-7-A	UNKNOWN			1	9/25/2024 7:00:07 PM
55	480-223638-A-9-A	UNKNOWN			1	9/25/2024 7:02:01 PM
56	480-223638-A-10-A	UNKNOWN			1	9/25/2024 7:03:55 PM
57	480-223638-A-12-A	UNKNOWN			1	9/25/2024 7:05:48 PM
58	rinse	UNKNOWN			1	9/25/2024 7:07:42 PM
59	CCV-8053377	QC			1	9/25/2024 7:09:35 PM
60	CCB-8053365	QC			1	9/25/2024 7:11:30 PM
61	CCVL-8053374	QC			1	9/25/2024 7:13:24 PM
62	MB 480-726051/1-A	UNKNOWN			1	9/25/2024 7:15:19 PM
63	LCS 480-726051/2-A	UNKNOWN			1	9/25/2024 7:17:12 PM
64	LCSD 480-726051/3-A	UNKNOWN			1	9/25/2024 7:19:06 PM
65	480-223490-C-1-F	UNKNOWN			1	9/25/2024 7:21:00 PM
66	480-223490-D-2-D	UNKNOWN			1	9/25/2024 7:22:53 PM
67	480-223490-D-3-D	UNKNOWN			1	9/25/2024 7:24:47 PM

Sample List Summary

9/26/2024 8:24:56 AM

QTEGRA

Index	Label	Sample Type	Amount	Final Quantity	Standard DF	Started at
68	480-223487-D-1-D	UNKNOWN			1	9/25/2024 7:26:41 PM
69	480-223448-D-3-D	UNKNOWN			1	9/25/2024 7:28:34 PM
70	480-223647-A-1-B	UNKNOWN			1	9/25/2024 7:30:28 PM
71	CCV-8053377	QC			1	9/25/2024 7:32:22 PM
72	CCB-8053365	QC			1	9/25/2024 7:34:17 PM
73	CCVL-8053374	QC			1	9/25/2024 7:36:11 PM
74	480-223647-A-2-B	UNKNOWN			1	9/25/2024 7:38:06 PM
75	480-223647-A-3-D	UNKNOWN			1	9/25/2024 7:39:59 PM
76	480-223647-A-3-DSD@5	UNKNOWN			1	9/25/2024 7:41:53 PM
77	480-223647-A-3-JPDS	UNKNOWN			1	9/25/2024 7:43:47 PM
78	480-223647-A-3-E MS	UNKNOWN			1	9/25/2024 7:45:41 PM
79	480-223647-A-3-F MSD	UNKNOWN			1	9/25/2024 7:47:34 PM
80	480-223647-A-4-B	UNKNOWN			1	9/25/2024 7:49:28 PM
81	480-223220-D-2-G	UNKNOWN			1	9/25/2024 7:51:22 PM
82	rinse	UNKNOWN			1	9/25/2024 7:53:16 PM
83	CCV-8053377	QC			1	9/25/2024 7:55:09 PM
84	CCB-8053365	QC			1	9/25/2024 7:57:04 PM
85	CCVL-8053374	QC			1	9/25/2024 7:58:58 PM
86	MB 480-726029/1-B	UNKNOWN			1	9/25/2024 8:00:53 PM
87	LCS 480-726029/2-B	UNKNOWN			1	9/25/2024 8:02:47 PM
88	LCSD 480-726029/3-B	UNKNOWN			1	9/25/2024 8:04:41 PM
89	480-223639-B-1-B	UNKNOWN			1	9/25/2024 8:06:35 PM
90	480-223639-B-1-B	UNKNOWN			1	9/25/2024 8:08:29 PM
91	480-223639-B-1-B	UNKNOWN			1	9/25/2024 8:10:24 PM
92	480-223639-B-1-C MS	UNKNOWN			1	9/25/2024 8:12:18 PM
93	480-223639-B-1-D MSD	UNKNOWN			1	9/25/2024 8:14:12 PM
94	rinse	UNKNOWN			1	9/25/2024 8:16:06 PM
95	CCV-8053377	QC			1	9/25/2024 8:18:00 PM
96	CCB-8053365	QC			1	9/25/2024 8:19:56 PM
97	CCVL-8053374	QC			1	9/25/2024 8:21:50 PM
98	MB 480-726052/1-A	UNKNOWN			1	9/25/2024 8:23:46 PM
99	LCS 480-726052/2-A	UNKNOWN			1	9/25/2024 8:25:40 PM
100	240-211712-D-1-A	UNKNOWN			1	9/25/2024 8:27:34 PM
101	240-211712-D-1-A	UNKNOWN			1	9/25/2024 8:29:28 PM
102	240-211712-D-1-A	UNKNOWN			1	9/25/2024 8:31:22 PM
103	240-211712-D-1-B MS	UNKNOWN			1	9/25/2024 8:33:17 PM
104	240-211712-D-1-C MSD	UNKNOWN			1	9/25/2024 8:35:11 PM
105	480-223634-E-1-A	UNKNOWN			1	9/25/2024 8:37:05 PM
106	480-223634-E-1-B MS	UNKNOWN			1	9/25/2024 8:38:59 PM
107	CCV-8053377	QC			1	9/25/2024 8:40:54 PM
108	CCB-8053365	QC			1	9/25/2024 8:42:49 PM
109	CCVL-8053374	QC			1	9/25/2024 8:44:43 PM
110	480-223634-E-1-C MSD	UNKNOWN			1	9/25/2024 8:46:39 PM
111	480-223634-E-2-A	UNKNOWN			1	9/25/2024 8:48:33 PM
112	480-223659-B-1-A	UNKNOWN			1	9/25/2024 8:50:28 PM
113	480-223633-D-1-A	UNKNOWN			1	9/25/2024 8:52:22 PM
114	480-223633-D-2-A	UNKNOWN			1	9/25/2024 8:54:16 PM
115	480-223633-D-3-A	UNKNOWN			1	9/25/2024 8:56:10 PM
116	480-223633-D-4-A	UNKNOWN			1	9/25/2024 8:58:05 PM
117	480-223639-A-1-A	UNKNOWN			1	9/25/2024 8:59:59 PM
118	480-223658-B-1-A	UNKNOWN			1	9/25/2024 9:01:53 PM
119	CCV-8053377	QC			1	9/25/2024 9:03:48 PM
120	CCB-8053365	QC			1	9/25/2024 9:05:43 PM
121	CCVL-8053374	QC			1	9/25/2024 9:07:37 PM
122	480-223658-B-2-A	UNKNOWN			1	9/25/2024 9:09:33 PM
123	480-223662-K-1-A	UNKNOWN			1	9/25/2024 9:11:27 PM
124	480-223662-K-2-A	UNKNOWN			1	9/25/2024 9:13:22 PM
125	480-223662-K-3-A	UNKNOWN			1	9/25/2024 9:15:16 PM
126	rinse	UNKNOWN			1	9/25/2024 9:17:11 PM
127	CCV-8053377	QC			1	9/25/2024 9:19:05 PM
128	CCB-8053365	QC			1	9/25/2024 9:21:00 PM
129	CCVL-8053374	QC			1	9/25/2024 9:22:55 PM

Basic Sample Report
9/26/2024 8:25:10 AM

LabBook: I320240925E - 3.imexp

Label: ICIS-8053365 #: 1
Analysis Type: BLK Analysis started at: 9/25/2024 2:09:25 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.000 ppm	3 cps
As 189.042 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.000 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	100.000 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	100.000 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.000 ppm	3 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.000 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.000 ppm	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	100.000 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	100.000 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	100.000 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-10 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.000 ppm	3 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.000 ppm	3 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.000 ppm	-4 cps

Label: IC-8053374 #: 2
Analysis Type: STD Analysis started at: 9/25/2024 2:11:26 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.184 ppm	9 cps
As 189.042 (ETA AQ-Axial-iFR)	0.017 ppm	1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Sn 189.989 (ETA AQ-Axial-iFR)	0.010 ppm	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.025 ppm	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.022 ppm	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.011 ppm	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.021 ppm	3 cps
B 208.959 (ETA AQ-Axial-iFR)	0.018 ppm	5 cps
P 213.618 (ETA AQ-Axial-iFR)	N/A	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.008 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	103.259 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	99.417 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.004 ppm	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	3 cps
In 230.606 (ETA AQ-Axial-iFR)	104.649 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.011 ppm	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	12 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.055 ppm	59 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.046 ppm	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.199 ppm	13 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.487 ppm	67 cps
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	12 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.197 ppm	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	46 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.501 ppm	135 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	31 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.006 ppm	21 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	13 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	42 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.698 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	98.863 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	99.012 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	178 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	45 cps
Na 589.592 (ETA AQ-Radial-iFR)	1.013 ppm	713 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.030 ppm	93 cps
K 766.490 (ETA AQ-Radial-iFR)	0.497 ppm	83 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.948 ppm	14 cps

Label: IC-8053377 #: 3
Analysis Type: STD Analysis started at: 9/25/2024 2:13:19 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	24.266 ppm	740 cps
As 189.042 (ETA AQ-Axial-iFR)	1.010 ppm	90 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.995 ppm	151 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.995 ppm	86 cps
Se 196.090 (ETA AQ-Axial-iFR)	1.008 ppm	72 cps
Mo 202.030 (ETA AQ-Axial-iFR)	1.008 ppm	463 cps
Zn 206.200 (ETA AQ-Axial-iFR)	1.032 ppm	654 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.999 ppm	90 cps
B 208.959 (ETA AQ-Axial-iFR)	0.996 ppm	261 cps
P 213.618 (ETA AQ-Axial-iFR)	25.196 ppm	2,012 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.984 ppm	117 cps
Y 224.306 (ETA AQ-Axial-iFR)	104.970 %	687 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 224.306 (ETA AQ-Radial-iFR)	97.073 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.993 ppm	531 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1.003 ppm	1,100 cps
In 230.606 (ETA AQ-Axial-iFR)	108.749 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.997 ppm	387 cps
Mn 257.610 (ETA AQ-Radial-iFR)	1.013 ppm	3,764 cps
Fe 259.940 (ETA AQ-Axial-iFR)	53.085 ppm	55,711 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1.023 ppm	1,210 cps
Fe 271.441 (ETA AQ-Radial-iFR)	50.851 ppm	1,143 cps
Mg 279.079 (ETA AQ-Radial-iFR)	50.755 ppm	3,394 cps
Si 288.158 (ETA AQ-Radial-iFR)	10.072 ppm	1,337 cps
V 292.402 (ETA AQ-Axial-iFR)	1.013 ppm	2,797 cps
Al 308.215 (ETA AQ-Radial-iFR)	50.319 ppm	4,646 cps
Be 313.042 (ETA AQ-Radial-iFR)	1.012 ppm	23,610 cps
Ca 317.933 (ETA AQ-Radial-iFR)	50.963 ppm	13,194 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.960 ppm	3,000 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.948 ppm	3,141 cps
Ti 334.904 (ETA AQ-Axial-iFR)	1.027 ppm	3,591 cps
Ti 334.941 (ETA AQ-Axial-iFR)	1.026 ppm	9,526 cps
Y 360.073 (ETA AQ-Axial-iFR)	108.785 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	96.620 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	96.932 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.014 ppm	37,775 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.001 ppm	22,874 cps
Na 589.592 (ETA AQ-Radial-iFR)	50.605 ppm	35,508 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.996 ppm	3,126 cps
K 766.490 (ETA AQ-Radial-iFR)	50.180 ppm	8,044 cps
Na 818.326 (ETA AQ-Radial-iFR)	50.045 ppm	948 cps

Label: IC-8053393 #: 4
Analysis Type: STD Analysis started at: 9/25/2024 2:15:12 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	50.367 ppm	1,533 cps
As 189.042 (ETA AQ-Axial-iFR)	1.995 ppm	178 cps
Sn 189.989 (ETA AQ-Axial-iFR)	2.003 ppm	303 cps
Tl 190.856 (ETA AQ-Axial-iFR)	2.002 ppm	175 cps
Se 196.090 (ETA AQ-Axial-iFR)	1.996 ppm	142 cps
Mo 202.030 (ETA AQ-Axial-iFR)	1.996 ppm	917 cps
Zn 206.200 (ETA AQ-Axial-iFR)	1.984 ppm	1,258 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2.000 ppm	179 cps
B 208.959 (ETA AQ-Axial-iFR)	2.002 ppm	524 cps
P 213.618 (ETA AQ-Axial-iFR)	49.902 ppm	3,986 cps
Pb 220.353 (ETA AQ-Axial-iFR)	2.008 ppm	238 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.615 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.579 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	2.004 ppm	1,072 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1.998 ppm	2,190 cps
In 230.606 (ETA AQ-Axial-iFR)	102.729 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	2.001 ppm	778 cps
Mn 257.610 (ETA AQ-Radial-iFR)	1.994 ppm	7,410 cps
Fe 259.940 (ETA AQ-Axial-iFR)	98.458 ppm	103,328 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1.988 ppm	2,352 cps
Fe 271.441 (ETA AQ-Radial-iFR)	99.574 ppm	2,237 cps
Mg 279.079 (ETA AQ-Radial-iFR)	99.622 ppm	6,662 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Si 288.158 (ETA AQ-Radial-iFR)	19.964 ppm	2,646 cps
V 292.402 (ETA AQ-Axial-iFR)	1.994 ppm	5,508 cps
Al 308.215 (ETA AQ-Radial-iFR)	99.841 ppm	9,217 cps
Be 313.042 (ETA AQ-Radial-iFR)	1.994 ppm	46,524 cps
Ca 317.933 (ETA AQ-Radial-iFR)	99.519 ppm	25,758 cps
Cu 327.396 (ETA AQ-Axial-iFR)	2.020 ppm	6,309 cps
Ag 328.068 (ETA AQ-Axial-iFR)	2.026 ppm	6,711 cps
Ti 334.904 (ETA AQ-Axial-iFR)	1.987 ppm	6,952 cps
Ti 334.941 (ETA AQ-Axial-iFR)	1.987 ppm	18,449 cps
Y 360.073 (ETA AQ-Axial-iFR)	106.330 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	98.117 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	97.736 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.993 ppm	74,228 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.999 ppm	45,675 cps
Na 589.592 (ETA AQ-Radial-iFR)	99.697 ppm	69,953 cps
Li 670.784 (ETA AQ-Radial-iFR)	2.002 ppm	6,288 cps
K 766.490 (ETA AQ-Radial-iFR)	99.910 ppm	16,014 cps
Na 818.326 (ETA AQ-Radial-iFR)	99.978 ppm	1,898 cps

Label: ICV-8053395 #: 5
Analysis Type: QC Analysis started at: 9/25/2024 2:17:04 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	17.900 ppm	95.465 %
As 189.042 (ETA AQ-Axial-iFR)	0.746 ppm	99.480 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.730 ppm	97.389 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.751 ppm	100.195 %
Se 196.090 (ETA AQ-Axial-iFR)	0.746 ppm	99.435 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.752 ppm	100.330 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.715 ppm	95.279 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.736 ppm	98.121 %
B 208.959 (ETA AQ-Axial-iFR)	0.719 ppm	95.803 %
P 213.618 (ETA AQ-Axial-iFR)	18.077 ppm	96.408 %
Pb 220.353 (ETA AQ-Axial-iFR)	0.739 ppm	98.577 %
Y 224.306 (ETA AQ-Axial-iFR)	104.593 %	
Y 224.306 (ETA AQ-Radial-iFR)	97.525 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.738 ppm	98.466 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.734 ppm	97.914 %
In 230.606 (ETA AQ-Axial-iFR)	107.049 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.750 ppm	100.040 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.735 ppm	98.043 %
Fe 259.940 (ETA AQ-Axial-iFR)	39.482 ppm	105.286 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.756 ppm	100.848 %
Fe 271.441 (ETA AQ-Radial-iFR)	37.090 ppm	98.906 %
Mg 279.079 (ETA AQ-Radial-iFR)	36.116 ppm	96.309 %
Si 288.158 (ETA AQ-Radial-iFR)	7.542 ppm	100.559 %
V 292.402 (ETA AQ-Axial-iFR)	0.752 ppm	100.268 %
Al 308.215 (ETA AQ-Radial-iFR)	36.573 ppm	97.528 %
Be 313.042 (ETA AQ-Radial-iFR)	0.748 ppm	99.766 %
Ca 317.933 (ETA AQ-Radial-iFR)	37.173 ppm	99.129 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.712 ppm	94.964 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.712 ppm	94.922 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.753 ppm	100.444 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.756 ppm	100.764 %
Y 360.073 (ETA AQ-Axial-iFR)	107.966 %	

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Y 360.073 (ETA AQ-Radial-iFR)	98.029 %	
Y 377.433 (ETA AQ-Radial-iFR)	98.592 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.754 ppm	100.536 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.747 ppm	99.568 %
Na 589.592 (ETA AQ-Radial-iFR)	37.185 ppm	99.161 %
Li 670.784 (ETA AQ-Radial-iFR)	0.740 ppm	98.622 %
K 766.490 (ETA AQ-Radial-iFR)	36.592 ppm	97.578 %
Na 818.326 (ETA AQ-Radial-iFR)	36.777 ppm	98.072 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	547 cps
As 189.042 (ETA AQ-Axial-iFR)	66 cps
Sn 189.989 (ETA AQ-Axial-iFR)	111 cps
Tl 190.856 (ETA AQ-Axial-iFR)	65 cps
Se 196.090 (ETA AQ-Axial-iFR)	53 cps
Mo 202.030 (ETA AQ-Axial-iFR)	346 cps
Zn 206.200 (ETA AQ-Axial-iFR)	453 cps
Sb 206.833 (ETA AQ-Axial-iFR)	66 cps
B 208.959 (ETA AQ-Axial-iFR)	189 cps
P 213.618 (ETA AQ-Axial-iFR)	1,443 cps
Pb 220.353 (ETA AQ-Axial-iFR)	88 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	394 cps
Cd 228.802 (ETA AQ-Axial-iFR)	805 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	291 cps
Mn 257.610 (ETA AQ-Radial-iFR)	2,734 cps
Fe 259.940 (ETA AQ-Axial-iFR)	41,436 cps
Cr 267.716 (ETA AQ-Axial-iFR)	895 cps
Fe 271.441 (ETA AQ-Radial-iFR)	834 cps
Mg 279.079 (ETA AQ-Radial-iFR)	2,415 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,002 cps
V 292.402 (ETA AQ-Axial-iFR)	2,076 cps
Al 308.215 (ETA AQ-Radial-iFR)	3,377 cps
Be 313.042 (ETA AQ-Radial-iFR)	17,457 cps
Ca 317.933 (ETA AQ-Radial-iFR)	9,625 cps
Cu 327.396 (ETA AQ-Axial-iFR)	2,226 cps
Ag 328.068 (ETA AQ-Axial-iFR)	2,358 cps
Ti 334.904 (ETA AQ-Axial-iFR)	2,634 cps
Ti 334.941 (ETA AQ-Axial-iFR)	7,016 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	28,079 cps
Ba 455.403 (ETA AQ-Radial-iFR)	17,060 cps
Na 589.592 (ETA AQ-Radial-iFR)	26,093 cps
Li 670.784 (ETA AQ-Radial-iFR)	2,322 cps
K 766.490 (ETA AQ-Radial-iFR)	5,867 cps
Na 818.326 (ETA AQ-Radial-iFR)	696 cps

Label: ICB-8053365 #: 6
Analysis Type: QC Analysis started at: 9/25/2024 2:18:59 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	-0.016 ppm	-7.892 %
As 189.042 (ETA AQ-Axial-iFR)	0.001 ppm	7.333 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0.053 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	28.189 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	-13.190 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	4.735 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	2.442 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.001 ppm	-2.831 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	17.234 %
P 213.618 (ETA AQ-Axial-iFR)	0.008 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	-11.332 %
Y 224.306 (ETA AQ-Axial-iFR)	105.028 %	
Y 224.306 (ETA AQ-Radial-iFR)	101.442 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	18.121 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-8.996 %
In 230.606 (ETA AQ-Axial-iFR)	106.568 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-0.508 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.016 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.021 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	8.002 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.020 ppm	-40.757 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.003 ppm	1.384 %
Si 288.158 (ETA AQ-Radial-iFR)	0.001 ppm	0.248 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	0.010 %
Al 308.215 (ETA AQ-Radial-iFR)	-0.001 ppm	-0.330 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0.808 %
Ca 317.933 (ETA AQ-Radial-iFR)	-0.003 ppm	-0.522 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	0.246 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	2.530 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	8.527 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-0.001 %
Y 360.073 (ETA AQ-Axial-iFR)	106.576 %	
Y 360.073 (ETA AQ-Radial-iFR)	101.160 %	
Y 377.433 (ETA AQ-Radial-iFR)	101.627 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.548 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	-1.867 %
Na 589.592 (ETA AQ-Radial-iFR)	0.005 ppm	0.542 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0.655 %
K 766.490 (ETA AQ-Radial-iFR)	0.025 ppm	4.935 %
Na 818.326 (ETA AQ-Radial-iFR)	0.016 ppm	1.583 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	2 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	1 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	3 cps
V 292.402 (ETA AQ-Axial-iFR)	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	5 cps
Cu 327.396 (ETA AQ-Axial-iFR)	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-9 cps
Ba 455.403 (ETA AQ-Radial-iFR)	-1 cps
Na 589.592 (ETA AQ-Radial-iFR)	6 cps
Li 670.784 (ETA AQ-Radial-iFR)	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	7 cps
Na 818.326 (ETA AQ-Radial-iFR)	-4 cps

Label: ICVL-8053374 #: 7
Analysis Type: QC Analysis started at: 9/25/2024 2:20:52 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.180 ppm	90.013 %
As 189.042 (ETA AQ-Axial-iFR)	0.018 ppm	119.614 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.011 ppm	107.937 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.024 ppm	118.884 %
Se 196.090 (ETA AQ-Axial-iFR)	0.022 ppm	87.609 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	104.842 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	112.280 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.016 ppm	78.583 %
B 208.959 (ETA AQ-Axial-iFR)	0.021 ppm	103.912 %
P 213.618 (ETA AQ-Axial-iFR)	0.008 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.008 ppm	83.631 %
Y 224.306 (ETA AQ-Axial-iFR)	103.605 %	
Y 224.306 (ETA AQ-Radial-iFR)	99.756 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.005 ppm	113.848 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	78.401 %
In 230.606 (ETA AQ-Axial-iFR)	105.241 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.010 ppm	104.293 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	98.835 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.055 ppm	109.916 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	107.758 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.053 ppm	106.886 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.200 ppm	100.205 %
Si 288.158 (ETA AQ-Radial-iFR)	0.482 ppm	96.433 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	100.982 %
Al 308.215 (ETA AQ-Radial-iFR)	0.194 ppm	97.139 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	105.508 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Ca 317.933 (ETA AQ-Radial-iFR)	0.502 ppm	100.364 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	93.485 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.006 ppm	106.588 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	107.197 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	95.815 %
Y 360.073 (ETA AQ-Axial-iFR)	105.289 %	
Y 360.073 (ETA AQ-Radial-iFR)	99.095 %	
Y 377.433 (ETA AQ-Radial-iFR)	99.527 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	101.500 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	102.175 %
Na 589.592 (ETA AQ-Radial-iFR)	1.024 ppm	102.407 %
Li 670.784 (ETA AQ-Radial-iFR)	0.030 ppm	100.976 %
K 766.490 (ETA AQ-Radial-iFR)	0.508 ppm	101.624 %
Na 818.326 (ETA AQ-Radial-iFR)	0.995 ppm	99.468 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	8 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	11 cps
Fe 259.940 (ETA AQ-Axial-iFR)	59 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	2 cps
Mg 279.079 (ETA AQ-Radial-iFR)	13 cps
Si 288.158 (ETA AQ-Radial-iFR)	67 cps
V 292.402 (ETA AQ-Axial-iFR)	12 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	48 cps
Ca 317.933 (ETA AQ-Radial-iFR)	136 cps
Cu 327.396 (ETA AQ-Axial-iFR)	31 cps
Ag 328.068 (ETA AQ-Axial-iFR)	21 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	43 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	180 cps
Ba 455.403 (ETA AQ-Radial-iFR)	47 cps
Na 589.592 (ETA AQ-Radial-iFR)	721 cps
Li 670.784 (ETA AQ-Radial-iFR)	94 cps
K 766.490 (ETA AQ-Radial-iFR)	84 cps
Na 818.326 (ETA AQ-Radial-iFR)	15 cps

Label: ICSA-8053415 #: 8
Analysis Type: QC Analysis started at: 9/25/2024 2:22:45 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.000 ppm	4 cps
As 189.042 (ETA AQ-Axial-iFR)	-0.005 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	-0.004 ppm	-2 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.004 ppm	3 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.011 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
P 213.618 (ETA AQ-Axial-iFR)	0.056 ppm	3 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	96.674 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	90.822 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	97.601 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.002 ppm	8 cps
Fe 259.940 (ETA AQ-Axial-iFR)	177.622 ppm	186,404 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Fe 271.441 (ETA AQ-Radial-iFR)	196.231 ppm	4,403 cps
Mg 279.079 (ETA AQ-Radial-iFR)	520.578 ppm	34,810 cps
Si 288.158 (ETA AQ-Radial-iFR)	-0.023 ppm	0 cps
V 292.402 (ETA AQ-Axial-iFR)	-0.003 ppm	-9 cps
Al 308.215 (ETA AQ-Radial-iFR)	512.010 ppm	47,260 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	483.666 ppm	125,110 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.001 ppm	5 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.002 ppm	3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-0.001 ppm	-11 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.148 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.462 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.007 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.004 ppm	157 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.003 ppm	59 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.180 ppm	129 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	2 cps
K 766.490 (ETA AQ-Radial-iFR)	0.000 ppm	5 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.213 ppm	0 cps

Label: ICSAB-8053427 #: 9
Analysis Type: QC Analysis started at: 9/25/2024 2:24:38 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.010 ppm	4 cps
As 189.042 (ETA AQ-Axial-iFR)	0.491 ppm	43 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.494 ppm	75 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.504 ppm	43 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.484 ppm	35 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Mo 202.030 (ETA AQ-Axial-iFR)	0.490 ppm	225 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.455 ppm	288 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.497 ppm	46 cps
B 208.959 (ETA AQ-Axial-iFR)	5.081 ppm	1,297 cps
P 213.618 (ETA AQ-Axial-iFR)	4.931 ppm	392 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.488 ppm	58 cps
Y 224.306 (ETA AQ-Axial-iFR)	97.004 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.187 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.488 ppm	260 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.511 ppm	561 cps
In 230.606 (ETA AQ-Axial-iFR)	97.722 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.495 ppm	192 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.472 ppm	1,754 cps
Fe 259.940 (ETA AQ-Axial-iFR)	176.117 ppm	184,827 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.478 ppm	566 cps
Fe 271.441 (ETA AQ-Radial-iFR)	193.881 ppm	4,351 cps
Mg 279.079 (ETA AQ-Radial-iFR)	513.882 ppm	34,362 cps
Si 288.158 (ETA AQ-Radial-iFR)	4.888 ppm	650 cps
V 292.402 (ETA AQ-Axial-iFR)	0.488 ppm	1,348 cps
Al 308.215 (ETA AQ-Radial-iFR)	506.108 ppm	46,716 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.253 ppm	5,910 cps
Ca 317.933 (ETA AQ-Radial-iFR)	475.813 ppm	123,081 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.534 ppm	1,669 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.485 ppm	1,607 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.514 ppm	1,796 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.518 ppm	4,805 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.879 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.438 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	95.324 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.511 ppm	19,032 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.506 ppm	11,563 cps
Na 589.592 (ETA AQ-Radial-iFR)	5.437 ppm	3,817 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	3 cps
K 766.490 (ETA AQ-Radial-iFR)	5.141 ppm	829 cps
Na 818.326 (ETA AQ-Radial-iFR)	5.278 ppm	96 cps

Label: ICEX1 #: 10
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 2:26:31 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	-0.007 ppm	3 cps
As 189.042 (ETA AQ-Axial-iFR)	>4.853	435 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.007 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.011 ppm	3 cps
P 213.618 (ETA AQ-Axial-iFR)	0.193 ppm	14 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	104.897 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	100.855 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	11 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
In 230.606 (ETA AQ-Axial-iFR)	106.061 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.004 ppm	6 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.045 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.001 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.001 ppm	3 cps
V 292.402 (ETA AQ-Axial-iFR)	5.160 ppm	14,260 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.071 ppm	8 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	36 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.004 ppm	7 cps
Cu 327.396 (ETA AQ-Axial-iFR)	>23.142	72,314 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	-82 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.001 ppm	3 cps
Y 360.073 (ETA AQ-Axial-iFR)	106.797 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	100.763 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	101.175 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.006 ppm	7 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	-0.007 ppm	2 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.047 ppm	-5 cps

Label: ICEX2 #: 11
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 2:28:25 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	-0.015 ppm	2 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	>20.014	1,754 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.013 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.006 ppm	2 cps
P 213.618 (ETA AQ-Axial-iFR)	0.012 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.008 ppm	-1 cps
Y 224.306 (ETA AQ-Axial-iFR)	104.186 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	98.290 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	15 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	107.187 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.005 ppm	1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Fe 259.940 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.036 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.002 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	>48.861	6,542 cps
V 292.402 (ETA AQ-Axial-iFR)	0.011 ppm	28 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.004 ppm	2 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	-0.002 ppm	5 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.002 ppm	9 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Ti 334.904 (ETA AQ-Axial-iFR)	>19.577	68,493 cps
Ti 334.941 (ETA AQ-Axial-iFR)	19.088 ppm	177,251 cps
Y 360.073 (ETA AQ-Axial-iFR)	106.977 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	98.409 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	98.714 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	2 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.006 ppm	7 cps
Li 670.784 (ETA AQ-Radial-iFR)	>10.053	31,581 cps
K 766.490 (ETA AQ-Radial-iFR)	-0.006 ppm	2 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.015 ppm	-4 cps

Label: ICEX3 #: 12
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 2:30:18 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	>125.268	3,807 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.012 ppm	2 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.016 ppm	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.004 ppm	2 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-0.013 ppm	-3 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.780 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	95.634 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	104.075 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	>51.988	192,339 cps
Fe 259.940 (ETA AQ-Axial-iFR)	-0.002 ppm	-1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	-0.003 ppm	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.037 ppm	-1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.136 ppm	-9 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.006 ppm	4 cps
V 292.402 (ETA AQ-Axial-iFR)	-0.003 ppm	-11 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.042 ppm	6 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.005 ppm	7 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	3 cps
Ag 328.068 (ETA AQ-Axial-iFR)	>0.006	20 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.001 ppm	7 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.887 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.136 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	95.536 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-8 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.010 ppm	10 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.021 ppm	6 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.038 ppm	-5 cps

Label: ICEX4 #: 13
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 2:32:11 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.063 ppm	5 cps
As 189.042 (ETA AQ-Axial-iFR)	-0.004 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.013 ppm	5 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	-0.007 ppm	-4 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.015 ppm	4 cps
B 208.959 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.006 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	103.834 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	99.941 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	>20.218	10,811 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	107.044 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	>10.417	4,051 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	>10.424	12,328 cps
Fe 271.441 (ETA AQ-Radial-iFR)	<-0.137	30 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.023 ppm	-2 cps
Si 288.158 (ETA AQ-Radial-iFR)	-0.006 ppm	2 cps
V 292.402 (ETA AQ-Axial-iFR)	-0.016 ppm	-45 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.000 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.000 ppm	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.004 ppm	15 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.002 ppm	3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.002 ppm	19 cps
Y 360.073 (ETA AQ-Axial-iFR)	106.422 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	100.558 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	100.815 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	8 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.003 ppm	5 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
K 766.490 (ETA AQ-Radial-iFR)	-0.007 ppm	2 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.060 ppm	-5 cps

Label: ICEX5 #: 14
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 2:34:04 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	-0.016 ppm	2 cps
As 189.042 (ETA AQ-Axial-iFR)	-0.001 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	>5.054	2,323 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	-0.003 ppm	33 cps
P 213.618 (ETA AQ-Axial-iFR)	0.010 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Y 224.306 (ETA AQ-Axial-iFR)	106.195 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	101.063 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	107.176 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Fe 259.940 (ETA AQ-Axial-iFR)	<-0.008	-1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.019 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.185 ppm	27 cps
V 292.402 (ETA AQ-Axial-iFR)	-0.027 ppm	-75 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.067 ppm	8 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-5 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.002 ppm	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-7 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	13 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 360.073 (ETA AQ-Axial-iFR)	107.416 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	100.584 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	100.714 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-7 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.018 ppm	15 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	-0.011 ppm	1 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.009 ppm	-4 cps

Label: CCV-8053377 #: 15
Analysis Type: QC Analysis started at: 9/25/2024 2:35:58 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	24.277 ppm	97.109 %
As 189.042 (ETA AQ-Axial-iFR)	1.011 ppm	101.105 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.999 ppm	99.853 %
Tl 190.856 (ETA AQ-Axial-iFR)	1.002 ppm	100.228 %
Se 196.090 (ETA AQ-Axial-iFR)	1.003 ppm	100.280 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.021 ppm	102.114 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.034 ppm	103.442 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.002 ppm	100.186 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
B 208.959 (ETA AQ-Axial-iFR)	0.999 ppm	99.932 %
P 213.618 (ETA AQ-Axial-iFR)	25.144 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.997 ppm	99.704 %
Y 224.306 (ETA AQ-Axial-iFR)	104.190 %	
Y 224.306 (ETA AQ-Radial-iFR)	96.570 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.000 ppm	99.961 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.011 ppm	101.090 %
In 230.606 (ETA AQ-Axial-iFR)	107.988 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.005 ppm	100.477 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.022 ppm	102.188 %
Fe 259.940 (ETA AQ-Axial-iFR)	53.561 ppm	107.121 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.032 ppm	103.197 %
Fe 271.441 (ETA AQ-Radial-iFR)	51.138 ppm	102.276 %
Mg 279.079 (ETA AQ-Radial-iFR)	51.097 ppm	102.194 %
Si 288.158 (ETA AQ-Radial-iFR)	10.077 ppm	100.774 %
V 292.402 (ETA AQ-Axial-iFR)	1.022 ppm	102.193 %
Al 308.215 (ETA AQ-Radial-iFR)	50.871 ppm	101.742 %
Be 313.042 (ETA AQ-Radial-iFR)	1.023 ppm	102.275 %
Ca 317.933 (ETA AQ-Radial-iFR)	51.156 ppm	102.312 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.970 ppm	97.005 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.960 ppm	95.982 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.034 ppm	103.423 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.033 ppm	103.272 %
Y 360.073 (ETA AQ-Axial-iFR)	108.084 %	
Y 360.073 (ETA AQ-Radial-iFR)	96.379 %	
Y 377.433 (ETA AQ-Radial-iFR)	96.668 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.021 ppm	102.089 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.016 ppm	101.551 %
Na 589.592 (ETA AQ-Radial-iFR)	51.173 ppm	102.346 %
Li 670.784 (ETA AQ-Radial-iFR)	1.008 ppm	100.751 %
K 766.490 (ETA AQ-Radial-iFR)	50.275 ppm	100.549 %
Na 818.326 (ETA AQ-Radial-iFR)	50.396 ppm	100.792 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	740 cps
As 189.042 (ETA AQ-Axial-iFR)	90 cps
Sn 189.989 (ETA AQ-Axial-iFR)	151 cps
Tl 190.856 (ETA AQ-Axial-iFR)	87 cps
Se 196.090 (ETA AQ-Axial-iFR)	72 cps
Mo 202.030 (ETA AQ-Axial-iFR)	469 cps
Zn 206.200 (ETA AQ-Axial-iFR)	656 cps
Sb 206.833 (ETA AQ-Axial-iFR)	90 cps
B 208.959 (ETA AQ-Axial-iFR)	262 cps
P 213.618 (ETA AQ-Axial-iFR)	2,008 cps
Pb 220.353 (ETA AQ-Axial-iFR)	118 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	534 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,108 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	390 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,798 cps
Fe 259.940 (ETA AQ-Axial-iFR)	56,210 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,221 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,149 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,417 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,338 cps
V 292.402 (ETA AQ-Axial-iFR)	2,823 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Al 308.215 (ETA AQ-Radial-iFR)	4,697 cps
Be 313.042 (ETA AQ-Radial-iFR)	23,862 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,244 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,031 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,178 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,617 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,588 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	38,021 cps
Ba 455.403 (ETA AQ-Radial-iFR)	23,199 cps
Na 589.592 (ETA AQ-Radial-iFR)	35,907 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,164 cps
K 766.490 (ETA AQ-Radial-iFR)	8,059 cps
Na 818.326 (ETA AQ-Radial-iFR)	955 cps

Label: CCB-8053365 #: 16
Analysis Type: QC Analysis started at: 9/25/2024 2:37:52 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	-0.017 ppm	-8.503 %
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	16.125 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	-0.170 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	30.742 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.007 ppm	-26.432 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	2.129 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	-0.956 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.005 ppm	-26.943 %
B 208.959 (ETA AQ-Axial-iFR)	0.002 ppm	11.462 %
P 213.618 (ETA AQ-Axial-iFR)	0.008 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	-12.463 %
Y 224.306 (ETA AQ-Axial-iFR)	105.136 %	
Y 224.306 (ETA AQ-Radial-iFR)	101.283 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	7.738 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-22.405 %
In 230.606 (ETA AQ-Axial-iFR)	106.716 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	1.491 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.009 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.037 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-3.028 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.005 ppm	9.244 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.003 ppm	1.648 %
Si 288.158 (ETA AQ-Radial-iFR)	0.000 ppm	-0.079 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-0.003 %
Al 308.215 (ETA AQ-Radial-iFR)	-0.010 ppm	-4.867 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0.578 %
Ca 317.933 (ETA AQ-Radial-iFR)	-0.004 ppm	-0.798 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-1.401 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1.374 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	8.726 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.004 %
Y 360.073 (ETA AQ-Axial-iFR)	106.644 %	
Y 360.073 (ETA AQ-Radial-iFR)	100.360 %	
Y 377.433 (ETA AQ-Radial-iFR)	100.521 %	

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.785 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	0.880 %
Na 589.592 (ETA AQ-Radial-iFR)	0.006 ppm	0.552 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0.231 %
K 766.490 (ETA AQ-Radial-iFR)	0.019 ppm	3.847 %
Na 818.326 (ETA AQ-Radial-iFR)	-0.098 ppm	-9.837 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	2 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	3 cps
V 292.402 (ETA AQ-Axial-iFR)	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	1 cps
Be 313.042 (ETA AQ-Radial-iFR)	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	5 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0 cps
Na 589.592 (ETA AQ-Radial-iFR)	7 cps
Li 670.784 (ETA AQ-Radial-iFR)	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	6 cps
Na 818.326 (ETA AQ-Radial-iFR)	-6 cps

Label: CCVL-8053374 #: 17
Analysis Type: QC Analysis started at: 9/25/2024 2:39:45 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.181 ppm	90.479 %
As 189.042 (ETA AQ-Axial-iFR)	0.019 ppm	124.594 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Sn 189.989 (ETA AQ-Axial-iFR)	0.010 ppm	98.574 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.026 ppm	129.067 %
Se 196.090 (ETA AQ-Axial-iFR)	0.020 ppm	78.726 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	103.507 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	109.395 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.016 ppm	81.335 %
B 208.959 (ETA AQ-Axial-iFR)	0.021 ppm	103.383 %
P 213.618 (ETA AQ-Axial-iFR)	0.010 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.009 ppm	92.270 %
Y 224.306 (ETA AQ-Axial-iFR)	105.051 %	
Y 224.306 (ETA AQ-Radial-iFR)	100.690 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.005 ppm	122.912 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	95.319 %
In 230.606 (ETA AQ-Axial-iFR)	107.020 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.010 ppm	101.595 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	100.959 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.063 ppm	125.263 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	107.693 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.041 ppm	81.038 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.205 ppm	102.482 %
Si 288.158 (ETA AQ-Radial-iFR)	0.483 ppm	96.580 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	101.470 %
Al 308.215 (ETA AQ-Radial-iFR)	0.210 ppm	104.828 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	109.759 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.502 ppm	100.439 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	90.915 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.007 ppm	110.818 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	106.457 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	97.962 %
Y 360.073 (ETA AQ-Axial-iFR)	106.593 %	
Y 360.073 (ETA AQ-Radial-iFR)	99.734 %	
Y 377.433 (ETA AQ-Radial-iFR)	99.996 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	102.963 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	110.807 %
Na 589.592 (ETA AQ-Radial-iFR)	1.014 ppm	101.399 %
Li 670.784 (ETA AQ-Radial-iFR)	0.029 ppm	98.145 %
K 766.490 (ETA AQ-Radial-iFR)	0.499 ppm	99.808 %
Na 818.326 (ETA AQ-Radial-iFR)	0.980 ppm	98.003 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	8 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	12 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Fe 259.940 (ETA AQ-Axial-iFR)	67 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14 cps
Si 288.158 (ETA AQ-Radial-iFR)	67 cps
V 292.402 (ETA AQ-Axial-iFR)	12 cps
Al 308.215 (ETA AQ-Radial-iFR)	21 cps
Be 313.042 (ETA AQ-Radial-iFR)	50 cps
Ca 317.933 (ETA AQ-Radial-iFR)	136 cps
Cu 327.396 (ETA AQ-Axial-iFR)	30 cps
Ag 328.068 (ETA AQ-Axial-iFR)	22 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	44 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	182 cps
Ba 455.403 (ETA AQ-Radial-iFR)	51 cps
Na 589.592 (ETA AQ-Radial-iFR)	714 cps
Li 670.784 (ETA AQ-Radial-iFR)	91 cps
K 766.490 (ETA AQ-Radial-iFR)	83 cps
Na 818.326 (ETA AQ-Radial-iFR)	15 cps

Label: LRC-8076790 #: 18
Analysis Type: QC Analysis started at: 9/25/2024 3:03:43 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	-0.051 ppm	-0.067 %
As 189.042 (ETA AQ-Axial-iFR)	5.507 ppm	110.132 %
Sn 189.989 (ETA AQ-Axial-iFR)	-0.001 ppm	-0.014 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.009 ppm	0.046 %
Se 196.090 (ETA AQ-Axial-iFR)	44.629 ppm	111.571 %
Mo 202.030 (ETA AQ-Axial-iFR)	-0.002 ppm	-0.017 %
Zn 206.200 (ETA AQ-Axial-iFR)	22.402 ppm	112.010 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.002 ppm	0.034 %
B 208.959 (ETA AQ-Axial-iFR)	-0.001 ppm	-0.003 %
P 213.618 (ETA AQ-Axial-iFR)	0.060 ppm	0.000 %
Pb 220.353 (ETA AQ-Axial-iFR)	41.802 ppm	104.504 %
Y 224.306 (ETA AQ-Axial-iFR)	100.241 %	
Y 224.306 (ETA AQ-Radial-iFR)	98.900 %	
Co 228.616 (ETA AQ-Axial-iFR)	-0.002 ppm	-0.012 %
Cd 228.802 (ETA AQ-Axial-iFR)	5.194 ppm	103.883 %
In 230.606 (ETA AQ-Axial-iFR)	105.491 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	0.003 %
Mn 257.610 (ETA AQ-Radial-iFR)	-0.090 ppm	-0.226 %
Fe 259.940 (ETA AQ-Axial-iFR)	-0.019 ppm	-0.003 %
Cr 267.716 (ETA AQ-Axial-iFR)	10.670 ppm	106.695 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.022 ppm	0.004 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.000 ppm	0.000 %
Si 288.158 (ETA AQ-Radial-iFR)	-0.019 ppm	-0.038 %
V 292.402 (ETA AQ-Axial-iFR)	-0.013 ppm	-0.270 %
Al 308.215 (ETA AQ-Radial-iFR)	594.239 ppm	99.040 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0.000 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.078 ppm	0.011 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.001 ppm	0.009 %

Basic Sample Report
9/26/2024 8:25:10 AM

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Analyte (Measure Mode)	Concentration average	Recovery Percentage
Ag 328.068 (ETA AQ-Axial-iFR)	2.893 ppm	96.446 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.003 ppm	0.013 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.002 ppm	0.012 %
Y 360.073 (ETA AQ-Axial-iFR)	101.935 %	
Y 360.073 (ETA AQ-Radial-iFR)	100.455 %	
Y 377.433 (ETA AQ-Radial-iFR)	99.635 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.005 %
Ba 455.403 (ETA AQ-Radial-iFR)	19.917 ppm	99.587 %
Na 589.592 (ETA AQ-Radial-iFR)	0.190 ppm	0.024 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0.000 %
K 766.490 (ETA AQ-Radial-iFR)	-0.028 ppm	-0.006 %
Na 818.326 (ETA AQ-Radial-iFR)	0.193 ppm	0.024 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	3 cps
As 189.042 (ETA AQ-Axial-iFR)	494 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	3,167 cps
Mo 202.030 (ETA AQ-Axial-iFR)	-1 cps
Zn 206.200 (ETA AQ-Axial-iFR)	14,178 cps
Sb 206.833 (ETA AQ-Axial-iFR)	6 cps
B 208.959 (ETA AQ-Axial-iFR)	0 cps
P 213.618 (ETA AQ-Axial-iFR)	3 cps
Pb 220.353 (ETA AQ-Axial-iFR)	4,954 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-2 cps
Cd 228.802 (ETA AQ-Axial-iFR)	5,692 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	5 cps
Fe 259.940 (ETA AQ-Axial-iFR)	31 cps
Cr 267.716 (ETA AQ-Axial-iFR)	12,618 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	1 cps
V 292.402 (ETA AQ-Axial-iFR)	-39 cps
Al 308.215 (ETA AQ-Radial-iFR)	54,850 cps
Be 313.042 (ETA AQ-Radial-iFR)	1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	26 cps
Cu 327.396 (ETA AQ-Axial-iFR)	4 cps
Ag 328.068 (ETA AQ-Axial-iFR)	9,631 cps
Ti 334.904 (ETA AQ-Axial-iFR)	5 cps
Ti 334.941 (ETA AQ-Axial-iFR)	21 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	454,976 cps
Na 589.592 (ETA AQ-Radial-iFR)	136 cps
Li 670.784 (ETA AQ-Radial-iFR)	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	1 cps
Na 818.326 (ETA AQ-Radial-iFR)	0 cps

Label: CCV-8053377 #: 19
Analysis Type: QC Analysis started at: 9/25/2024 5:53:42 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	28.097 ppm	112.389 %
As 189.042 (ETA AQ-Axial-iFR)	1.063 ppm	106.291 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.027 ppm	102.698 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.986 ppm	98.571 %
Se 196.090 (ETA AQ-Axial-iFR)	1.107 ppm	110.675 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.020 ppm	101.972 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.117 ppm	111.650 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.085 ppm	108.549 %
B 208.959 (ETA AQ-Axial-iFR)	1.086 ppm	108.584 %
P 213.618 (ETA AQ-Axial-iFR)	28.437 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.026 ppm	102.630 %
Y 224.306 (ETA AQ-Axial-iFR)	98.679 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.012 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.032 ppm	103.198 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.081 ppm	108.067 %
In 230.606 (ETA AQ-Axial-iFR)	102.981 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.041 ppm	104.121 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.027 ppm	102.739 %
Fe 259.940 (ETA AQ-Axial-iFR)	55.118 ppm	110.237 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.077 ppm	107.738 %
Fe 271.441 (ETA AQ-Radial-iFR)	51.955 ppm	103.910 %
Mg 279.079 (ETA AQ-Radial-iFR)	52.403 ppm	104.806 %
Si 288.158 (ETA AQ-Radial-iFR)	10.246 ppm	102.457 %
V 292.402 (ETA AQ-Axial-iFR)	1.060 ppm	105.952 %
Al 308.215 (ETA AQ-Radial-iFR)	51.963 ppm	103.926 %
Be 313.042 (ETA AQ-Radial-iFR)	1.040 ppm	103.997 %
Ca 317.933 (ETA AQ-Radial-iFR)	52.530 ppm	105.060 %
Cu 327.396 (ETA AQ-Axial-iFR)	1.005 ppm	100.459 %
Ag 328.068 (ETA AQ-Axial-iFR)	1.003 ppm	100.284 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.068 ppm	106.786 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.066 ppm	106.611 %
Y 360.073 (ETA AQ-Axial-iFR)	100.702 %	
Y 360.073 (ETA AQ-Radial-iFR)	94.576 %	
Y 377.433 (ETA AQ-Radial-iFR)	94.499 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.036 ppm	103.597 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.031 ppm	103.144 %
Na 589.592 (ETA AQ-Radial-iFR)	51.926 ppm	103.852 %
Li 670.784 (ETA AQ-Radial-iFR)	1.022 ppm	102.160 %
K 766.490 (ETA AQ-Radial-iFR)	51.466 ppm	102.931 %
Na 818.326 (ETA AQ-Radial-iFR)	50.737 ppm	101.474 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	856 cps
As 189.042 (ETA AQ-Axial-iFR)	95 cps
Sn 189.989 (ETA AQ-Axial-iFR)	156 cps
Tl 190.856 (ETA AQ-Axial-iFR)	85 cps
Se 196.090 (ETA AQ-Axial-iFR)	79 cps
Mo 202.030 (ETA AQ-Axial-iFR)	469 cps
Zn 206.200 (ETA AQ-Axial-iFR)	708 cps
Sb 206.833 (ETA AQ-Axial-iFR)	97 cps
B 208.959 (ETA AQ-Axial-iFR)	284 cps
P 213.618 (ETA AQ-Axial-iFR)	2,271 cps
Pb 220.353 (ETA AQ-Axial-iFR)	122 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Co 228.616 (ETA AQ-Axial-iFR)	552 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,185 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	404 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,819 cps
Fe 259.940 (ETA AQ-Axial-iFR)	57,845 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,274 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,168 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,504 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,360 cps
V 292.402 (ETA AQ-Axial-iFR)	2,926 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,798 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,263 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,599 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,139 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,321 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,735 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,898 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	38,582 cps
Ba 455.403 (ETA AQ-Radial-iFR)	23,563 cps
Na 589.592 (ETA AQ-Radial-iFR)	36,435 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,208 cps
K 766.490 (ETA AQ-Radial-iFR)	8,250 cps
Na 818.326 (ETA AQ-Radial-iFR)	961 cps

Label: CCB-8053365 #: 20
Analysis Type: QC Analysis started at: 9/25/2024 5:55:37 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.592 ppm	296.204 %
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	14.844 %
Sn 189.989 (ETA AQ-Axial-iFR)	-0.001 ppm	-6.513 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.003 ppm	14.030 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	-8.712 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	2.154 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	4.578 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.000 ppm	-1.605 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	13.321 %
P 213.618 (ETA AQ-Axial-iFR)	0.005 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	17.621 %
Y 224.306 (ETA AQ-Axial-iFR)	101.871 %	
Y 224.306 (ETA AQ-Radial-iFR)	97.668 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-2.827 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-8.311 %
In 230.606 (ETA AQ-Axial-iFR)	103.826 %	
Ni 231.604 (ETA AQ-Axial-iFR)	-0.001 ppm	-6.300 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.007 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.001 ppm	0.061 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-7.063 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.023 ppm	-46.286 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.002 ppm	1.134 %
Si 288.158 (ETA AQ-Radial-iFR)	-0.002 ppm	-0.422 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	0.061 %
Al 308.215 (ETA AQ-Radial-iFR)	-0.009 ppm	-4.510 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	1.183 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.000 ppm	-0.098 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	0.331 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0.906 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	7.880 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.004 %
Y 360.073 (ETA AQ-Axial-iFR)	103.601 %	
Y 360.073 (ETA AQ-Radial-iFR)	98.196 %	
Y 377.433 (ETA AQ-Radial-iFR)	97.784 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.109 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	0.518 %
Na 589.592 (ETA AQ-Radial-iFR)	0.097 ppm	9.684 %
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	2.237 %
K 766.490 (ETA AQ-Radial-iFR)	0.470 ppm	93.916 %
Na 818.326 (ETA AQ-Radial-iFR)	0.007 ppm	0.678 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	21 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	1 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-2 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	3 cps
V 292.402 (ETA AQ-Axial-iFR)	0 cps
Al 308.215 (ETA AQ-Radial-iFR)	1 cps
Be 313.042 (ETA AQ-Radial-iFR)	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-9 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0 cps
Na 589.592 (ETA AQ-Radial-iFR)	71 cps
Li 670.784 (ETA AQ-Radial-iFR)	1 cps
K 766.490 (ETA AQ-Radial-iFR)	78 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Na 818.326 (ETA AQ-Radial-iFR)	-4 cps

Label: CCVL-8053374 #: 21
Analysis Type: QC Analysis started at: 9/25/2024 5:57:31 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.726 ppm	363.045 %
As 189.042 (ETA AQ-Axial-iFR)	0.016 ppm	109.045 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.009 ppm	93.322 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.022 ppm	111.516 %
Se 196.090 (ETA AQ-Axial-iFR)	0.019 ppm	74.461 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	103.584 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	109.115 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.016 ppm	79.987 %
B 208.959 (ETA AQ-Axial-iFR)	0.020 ppm	102.252 %
P 213.618 (ETA AQ-Axial-iFR)	0.006 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.010 ppm	100.566 %
Y 224.306 (ETA AQ-Axial-iFR)	102.027 %	
Y 224.306 (ETA AQ-Radial-iFR)	97.343 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.004 ppm	102.192 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	95.208 %
In 230.606 (ETA AQ-Axial-iFR)	104.343 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.010 ppm	103.886 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	97.743 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.056 ppm	112.122 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	105.109 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.047 ppm	94.902 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.193 ppm	96.490 %
Si 288.158 (ETA AQ-Radial-iFR)	0.494 ppm	98.796 %
V 292.402 (ETA AQ-Axial-iFR)	0.006 ppm	113.178 %
Al 308.215 (ETA AQ-Radial-iFR)	0.195 ppm	97.284 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	104.285 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.511 ppm	102.191 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.010 ppm	95.187 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.006 ppm	101.671 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	103.922 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	97.943 %
Y 360.073 (ETA AQ-Axial-iFR)	104.147 %	
Y 360.073 (ETA AQ-Radial-iFR)	96.887 %	
Y 377.433 (ETA AQ-Radial-iFR)	97.001 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	101.782 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	103.615 %
Na 589.592 (ETA AQ-Radial-iFR)	1.108 ppm	110.780 %
Li 670.784 (ETA AQ-Radial-iFR)	0.030 ppm	100.755 %
K 766.490 (ETA AQ-Radial-iFR)	0.913 ppm	182.650 %
Na 818.326 (ETA AQ-Radial-iFR)	0.979 ppm	97.936 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	25 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	11 cps
Fe 259.940 (ETA AQ-Axial-iFR)	60 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	13 cps
Si 288.158 (ETA AQ-Radial-iFR)	68 cps
V 292.402 (ETA AQ-Axial-iFR)	14 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	47 cps
Ca 317.933 (ETA AQ-Radial-iFR)	138 cps
Cu 327.396 (ETA AQ-Axial-iFR)	31 cps
Ag 328.068 (ETA AQ-Axial-iFR)	20 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	44 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	180 cps
Ba 455.403 (ETA AQ-Radial-iFR)	47 cps
Na 589.592 (ETA AQ-Radial-iFR)	780 cps
Li 670.784 (ETA AQ-Radial-iFR)	93 cps
K 766.490 (ETA AQ-Radial-iFR)	149 cps
Na 818.326 (ETA AQ-Radial-iFR)	15 cps

Label: MB 480-725820/1-A #: 22
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 5:59:25 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.507 ppm	18 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	102.337 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.479 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	104.201 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Mn 257.610 (ETA AQ-Radial-iFR)	0.001 ppm	5 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.002 ppm	4 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.007 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	-0.004 ppm	3 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.012 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.019 ppm	11 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.412 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	98.089 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	97.833 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-6 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	6 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.094 ppm	69 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	0 cps
K 766.490 (ETA AQ-Radial-iFR)	0.412 ppm	69 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.033 ppm	-3 cps

Label: LCS 480-725820/2-A #: 23
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:01:20 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	5.566 ppm	172 cps
As 189.042 (ETA AQ-Axial-iFR)	0.987 ppm	88 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.017 ppm	154 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.000 ppm	86 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.960 ppm	69 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.513 ppm	236 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.529 ppm	335 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.504 ppm	45 cps
B 208.959 (ETA AQ-Axial-iFR)	0.501 ppm	132 cps
P 213.618 (ETA AQ-Axial-iFR)	10.264 ppm	818 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.520 ppm	62 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.642 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	95.762 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.519 ppm	277 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.515 ppm	566 cps
In 230.606 (ETA AQ-Axial-iFR)	104.508 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.533 ppm	206 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.517 ppm	1,930 cps
Fe 259.940 (ETA AQ-Axial-iFR)	5.899 ppm	6,194 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.533 ppm	631 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.327 ppm	121 cps
Mg 279.079 (ETA AQ-Radial-iFR)	25.580 ppm	1,711 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.016 ppm	140 cps
V 292.402 (ETA AQ-Axial-iFR)	0.529 ppm	1,461 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.177 ppm	480 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.532 ppm	12,414 cps
Ca 317.933 (ETA AQ-Radial-iFR)	26.327 ppm	6,819 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Cu 327.396 (ETA AQ-Axial-iFR)	0.494 ppm	1,543 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.052 ppm	164 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.532 ppm	1,860 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.534 ppm	4,954 cps
Y 360.073 (ETA AQ-Axial-iFR)	105.272 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	96.486 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	96.324 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.534 ppm	19,893 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.045 ppm	23,867 cps
Na 589.592 (ETA AQ-Radial-iFR)	25.870 ppm	18,154 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.511 ppm	1,604 cps
K 766.490 (ETA AQ-Radial-iFR)	25.742 ppm	4,128 cps
Na 818.326 (ETA AQ-Radial-iFR)	25.277 ppm	477 cps

Label: CCV-8053377 #: 24
Analysis Type: QC Analysis started at: 9/25/2024 6:03:13 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	24.955 ppm	99.819 %
As 189.042 (ETA AQ-Axial-iFR)	0.983 ppm	98.280 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.002 ppm	100.180 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.969 ppm	96.932 %
Se 196.090 (ETA AQ-Axial-iFR)	0.975 ppm	97.500 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.011 ppm	101.074 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.067 ppm	106.667 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.011 ppm	101.075 %
B 208.959 (ETA AQ-Axial-iFR)	1.012 ppm	101.242 %
P 213.618 (ETA AQ-Axial-iFR)	25.609 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.000 ppm	99.988 %
Y 224.306 (ETA AQ-Axial-iFR)	103.122 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.461 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.010 ppm	101.029 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.032 ppm	103.207 %
In 230.606 (ETA AQ-Axial-iFR)	108.073 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.016 ppm	101.619 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.025 ppm	102.540 %
Fe 259.940 (ETA AQ-Axial-iFR)	54.281 ppm	108.563 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.056 ppm	105.562 %
Fe 271.441 (ETA AQ-Radial-iFR)	51.986 ppm	103.971 %
Mg 279.079 (ETA AQ-Radial-iFR)	51.951 ppm	103.902 %
Si 288.158 (ETA AQ-Radial-iFR)	10.199 ppm	101.987 %
V 292.402 (ETA AQ-Axial-iFR)	1.045 ppm	104.499 %
Al 308.215 (ETA AQ-Radial-iFR)	51.664 ppm	103.329 %
Be 313.042 (ETA AQ-Radial-iFR)	1.038 ppm	103.811 %
Ca 317.933 (ETA AQ-Radial-iFR)	52.354 ppm	104.709 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.970 ppm	96.973 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.961 ppm	96.080 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.053 ppm	105.307 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.053 ppm	105.317 %
Y 360.073 (ETA AQ-Axial-iFR)	106.365 %	
Y 360.073 (ETA AQ-Radial-iFR)	94.962 %	
Y 377.433 (ETA AQ-Radial-iFR)	94.558 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.038 ppm	103.799 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.033 ppm	103.290 %
Na 589.592 (ETA AQ-Radial-iFR)	51.712 ppm	103.424 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Li 670.784 (ETA AQ-Radial-iFR)	1.026 ppm	102.639 %
K 766.490 (ETA AQ-Radial-iFR)	51.473 ppm	102.947 %
Na 818.326 (ETA AQ-Radial-iFR)	50.895 ppm	101.790 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	761 cps
As 189.042 (ETA AQ-Axial-iFR)	87 cps
Sn 189.989 (ETA AQ-Axial-iFR)	152 cps
Tl 190.856 (ETA AQ-Axial-iFR)	84 cps
Se 196.090 (ETA AQ-Axial-iFR)	70 cps
Mo 202.030 (ETA AQ-Axial-iFR)	464 cps
Zn 206.200 (ETA AQ-Axial-iFR)	676 cps
Sb 206.833 (ETA AQ-Axial-iFR)	91 cps
B 208.959 (ETA AQ-Axial-iFR)	265 cps
P 213.618 (ETA AQ-Axial-iFR)	2,045 cps
Pb 220.353 (ETA AQ-Axial-iFR)	119 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	540 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,131 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	394 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,812 cps
Fe 259.940 (ETA AQ-Axial-iFR)	56,966 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,249 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,168 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,474 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,354 cps
V 292.402 (ETA AQ-Axial-iFR)	2,886 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,770 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,220 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,554 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,030 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,181 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,683 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,778 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	38,658 cps
Ba 455.403 (ETA AQ-Radial-iFR)	23,596 cps
Na 589.592 (ETA AQ-Radial-iFR)	36,285 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,223 cps
K 766.490 (ETA AQ-Radial-iFR)	8,252 cps
Na 818.326 (ETA AQ-Radial-iFR)	964 cps

Label: CCB-8053365 #: 25
Analysis Type: QC Analysis started at: 9/25/2024 6:05:08 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.416 ppm	208.156 %
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	27.559 %
Sn 189.989 (ETA AQ-Axial-iFR)	-0.001 ppm	-13.342 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	27.156 %
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	-1.545 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	3.277 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	1.803 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	-19.462 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	13.718 %
P 213.618 (ETA AQ-Axial-iFR)	0.009 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.001 ppm	13.719 %
Y 224.306 (ETA AQ-Axial-iFR)	102.233 %	
Y 224.306 (ETA AQ-Radial-iFR)	97.788 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	14.266 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-7.415 %
In 230.606 (ETA AQ-Axial-iFR)	104.199 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1.155 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.008 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.001 ppm	0.067 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	2.612 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.006 ppm	12.255 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.001 ppm	0.591 %
Si 288.158 (ETA AQ-Radial-iFR)	-0.007 ppm	-1.347 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	0.038 %
Al 308.215 (ETA AQ-Radial-iFR)	0.000 ppm	-0.021 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	4.183 %
Ca 317.933 (ETA AQ-Radial-iFR)	-0.003 ppm	-0.585 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-1.137 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1.214 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	2.581 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.008 %
Y 360.073 (ETA AQ-Axial-iFR)	103.976 %	
Y 360.073 (ETA AQ-Radial-iFR)	97.712 %	
Y 377.433 (ETA AQ-Radial-iFR)	97.738 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.756 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	-0.995 %
Na 589.592 (ETA AQ-Radial-iFR)	0.062 ppm	6.183 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	1.660 %
K 766.490 (ETA AQ-Radial-iFR)	0.330 ppm	66.081 %
Na 818.326 (ETA AQ-Radial-iFR)	0.010 ppm	1.027 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	16 cps
As 189.042 (ETA AQ-Axial-iFR)	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	2 cps
V 292.402 (ETA AQ-Axial-iFR)	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	5 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-1 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	-1 cps
Na 589.592 (ETA AQ-Radial-iFR)	46 cps
Li 670.784 (ETA AQ-Radial-iFR)	0 cps
K 766.490 (ETA AQ-Radial-iFR)	56 cps
Na 818.326 (ETA AQ-Radial-iFR)	-4 cps

Label: CCVL-8053374 #: 26
Analysis Type: QC Analysis started at: 9/25/2024 6:07:01 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.592 ppm	295.931 %
As 189.042 (ETA AQ-Axial-iFR)	0.016 ppm	103.886 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.010 ppm	103.804 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.023 ppm	112.743 %
Se 196.090 (ETA AQ-Axial-iFR)	0.019 ppm	76.130 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.011 ppm	108.236 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	112.276 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.018 ppm	87.924 %
B 208.959 (ETA AQ-Axial-iFR)	0.021 ppm	102.653 %
P 213.618 (ETA AQ-Axial-iFR)	0.004 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.011 ppm	107.997 %
Y 224.306 (ETA AQ-Axial-iFR)	102.336 %	
Y 224.306 (ETA AQ-Radial-iFR)	96.714 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.005 ppm	118.126 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	85.633 %
In 230.606 (ETA AQ-Axial-iFR)	104.290 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.010 ppm	104.103 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	97.170 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.056 ppm	111.279 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	102.463 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.035 ppm	69.291 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.199 ppm	99.701 %
Si 288.158 (ETA AQ-Radial-iFR)	0.492 ppm	98.351 %
V 292.402 (ETA AQ-Axial-iFR)	0.006 ppm	110.588 %
Al 308.215 (ETA AQ-Radial-iFR)	0.197 ppm	98.453 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	102.690 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.511 ppm	102.204 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	91.468 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.006 ppm	102.587 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	104.282 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	96.550 %

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Analyte (Measure Mode)	Concentration average	Recovery Percentage
Y 360.073 (ETA AQ-Axial-iFR)	104.340 %	
Y 360.073 (ETA AQ-Radial-iFR)	97.407 %	
Y 377.433 (ETA AQ-Radial-iFR)	97.054 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	101.987 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	101.298 %
Na 589.592 (ETA AQ-Radial-iFR)	1.080 ppm	108.018 %
Li 670.784 (ETA AQ-Radial-iFR)	0.031 ppm	102.913 %
K 766.490 (ETA AQ-Radial-iFR)	0.806 ppm	161.276 %
Na 818.326 (ETA AQ-Radial-iFR)	0.926 ppm	92.630 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	21 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-2 cps
Pb 220.353 (ETA AQ-Axial-iFR)	2 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	11 cps
Fe 259.940 (ETA AQ-Axial-iFR)	60 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	13 cps
Si 288.158 (ETA AQ-Radial-iFR)	68 cps
V 292.402 (ETA AQ-Axial-iFR)	13 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	46 cps
Ca 317.933 (ETA AQ-Radial-iFR)	138 cps
Cu 327.396 (ETA AQ-Axial-iFR)	30 cps
Ag 328.068 (ETA AQ-Axial-iFR)	20 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	43 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	180 cps
Ba 455.403 (ETA AQ-Radial-iFR)	46 cps
Na 589.592 (ETA AQ-Radial-iFR)	761 cps
Li 670.784 (ETA AQ-Radial-iFR)	96 cps
K 766.490 (ETA AQ-Radial-iFR)	132 cps
Na 818.326 (ETA AQ-Radial-iFR)	14 cps

Label: 480-223540-E-5-C #: 27
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:08:57 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	349.963 ppm	10,629 cps
As 189.042 (ETA AQ-Axial-iFR)	-0.032 ppm	-4 cps
Sn 189.989 (ETA AQ-Axial-iFR)	-0.023 ppm	-4 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-0.020 ppm	-3 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.034 ppm	3 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.045 ppm	21 cps
Zn 206.200 (ETA AQ-Axial-iFR)	-0.073 ppm	112 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.054 ppm	6 cps
B 208.959 (ETA AQ-Axial-iFR)	0.780 ppm	199 cps
P 213.618 (ETA AQ-Axial-iFR)	0.998 ppm	78 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.031 ppm	4 cps
Y 224.306 (ETA AQ-Axial-iFR)	30.294 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	35.185 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-0.012 ppm	-5 cps
Cd 228.802 (ETA AQ-Axial-iFR)	-0.013 ppm	-13 cps
In 230.606 (ETA AQ-Axial-iFR)	21.859 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-0.023 ppm	-10 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.218 ppm	965 cps
Fe 259.940 (ETA AQ-Axial-iFR)	7.823 ppm	8,211 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.022 ppm	27 cps
Fe 271.441 (ETA AQ-Radial-iFR)	6.686 ppm	150 cps
Mg 279.079 (ETA AQ-Radial-iFR)	80.114 ppm	5,357 cps
Si 288.158 (ETA AQ-Radial-iFR)	20.637 ppm	2,738 cps
V 292.402 (ETA AQ-Axial-iFR)	0.022 ppm	58 cps
Al 308.215 (ETA AQ-Radial-iFR)	33.891 ppm	3,130 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.001 ppm	23 cps
Ca 317.933 (ETA AQ-Radial-iFR)	16,405.981 ppm	4,243,563 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.498 ppm	**1,558 cps**
Ag 328.068 (ETA AQ-Axial-iFR)	-0.004 ppm	-13 cps
Ti 334.904 (ETA AQ-Axial-iFR)	2.527 ppm	8,837 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-0.522 ppm	**-4,850 cps**
Y 360.073 (ETA AQ-Axial-iFR)	39.018 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	41.967 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	43.319 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	101.039 ppm	3,763,885 cps
Ba 455.403 (ETA AQ-Radial-iFR)	9.408 ppm	214,911 cps
Na 589.592 (ETA AQ-Radial-iFR)	5,741.658 ppm	4,028,482 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.455 ppm	1,428 cps
K 766.490 (ETA AQ-Radial-iFR)	8,222.881 ppm	1,317,686 cps
Na 818.326 (ETA AQ-Radial-iFR)	8,185.358 ppm	155,748 cps

Label: 480-223540-E-5-C@10 #: 28
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:10:50 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	50.671 ppm	1,542 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.011 ppm	0 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	4 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.019 ppm	34 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.100 ppm	26 cps
P 213.618 (ETA AQ-Axial-iFR)	0.137 ppm	9 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Pb 220.353 (ETA AQ-Axial-iFR)	0.006 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	70.585 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	66.659 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	-0.001 ppm	-1 cps
In 230.606 (ETA AQ-Axial-iFR)	63.533 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.039 ppm	167 cps
Fe 259.940 (ETA AQ-Axial-iFR)	1.421 ppm	1,492 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	4 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1.262 ppm	29 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14.755 ppm	987 cps
Si 288.158 (ETA AQ-Radial-iFR)	3.018 ppm	402 cps
V 292.402 (ETA AQ-Axial-iFR)	0.003 ppm	7 cps
Al 308.215 (ETA AQ-Radial-iFR)	3.118 ppm	290 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	5 cps
Ca 317.933 (ETA AQ-Radial-iFR)	7,062.308 ppm	1,826,737 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.030 ppm	95 cps
Ag 328.068 (ETA AQ-Axial-iFR)	-0.003 ppm	-9 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.159 ppm	552 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.057 ppm	**528 cps**
Y 360.073 (ETA AQ-Axial-iFR)	80.539 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	71.832 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	72.584 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	18.945 ppm	705,710 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.383 ppm	31,592 cps
Na 589.592 (ETA AQ-Radial-iFR)	778.451 ppm	546,182 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.049 ppm	152 cps
K 766.490 (ETA AQ-Radial-iFR)	2,033.371 ppm	325,842 cps
Na 818.326 (ETA AQ-Radial-iFR)	784.982 ppm	14,933 cps

Label: 480-223540-E-7-C #: 29
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:12:43 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	2,853.116 ppm	86,663 cps
As 189.042 (ETA AQ-Axial-iFR)	-0.102 ppm	-10 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.375 ppm	57 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.038 ppm	2 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.097 ppm	7 cps
Mo 202.030 (ETA AQ-Axial-iFR)	-0.070 ppm	-32 cps
Zn 206.200 (ETA AQ-Axial-iFR)	3.100 ppm	1,966 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	3.891 ppm	309 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.247 ppm	-29 cps
Y 224.306 (ETA AQ-Axial-iFR)	73.208 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	68.099 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.007 ppm	3 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
In 230.606 (ETA AQ-Axial-iFR)	73.607 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.573 ppm	222 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.988 ppm	3,658 cps
Fe 259.940 (ETA AQ-Axial-iFR)	10.645 ppm	11,724 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.134 ppm	159 cps

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Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Fe 271.441 (ETA AQ-Radial-iFR)	10.664 ppm	240 cps
Mg 279.079 (ETA AQ-Radial-iFR)	274.908 ppm	18,382 cps
Si 288.158 (ETA AQ-Radial-iFR)	300.436 ppm	39,642 cps
V 292.402 (ETA AQ-Axial-iFR)	0.135 ppm	372 cps
Al 308.215 (ETA AQ-Radial-iFR)	11,406.443 ppm	1,052,816 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.261 ppm	6,079 cps
Ca 317.933 (ETA AQ-Radial-iFR)	39.340 ppm	10,183 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.163 ppm	510 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.002 ppm	4 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.446 ppm	1,555 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.446 ppm	4,138 cps
Y 360.073 (ETA AQ-Axial-iFR)	76.654 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	68.151 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	67.997 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.223 ppm	8,303 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.045 ppm	1,034 cps
Na 589.592 (ETA AQ-Radial-iFR)	142.167 ppm	99,750 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.817 ppm	2,566 cps
K 766.490 (ETA AQ-Radial-iFR)	10.546 ppm	1,752 cps
Na 818.326 (ETA AQ-Radial-iFR)	138.750 ppm	2,636 cps

Label: 480-223540-E-7-C@20 #: 30
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:14:37 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	944.778 ppm	28,692 cps
As 189.042 (ETA AQ-Axial-iFR)	-0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.021 ppm	3 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.010 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	-0.003 ppm	-2 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.167 ppm	106 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.005 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.173 ppm	12 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.012 ppm	-1 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.046 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.274 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	101.423 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.031 ppm	11 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.047 ppm	176 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.548 ppm	606 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.007 ppm	8 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.517 ppm	12 cps
Mg 279.079 (ETA AQ-Radial-iFR)	12.907 ppm	863 cps
Si 288.158 (ETA AQ-Radial-iFR)	11.147 ppm	1,474 cps
V 292.402 (ETA AQ-Axial-iFR)	0.007 ppm	17 cps
Al 308.215 (ETA AQ-Radial-iFR)	612.634 ppm	56,548 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.012 ppm	277 cps
Ca 317.933 (ETA AQ-Radial-iFR)	1.994 ppm	522 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.007 ppm	22 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.023 ppm	77 cps

Basic Sample Report
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Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ti 334.941 (ETA AQ-Axial-iFR)	0.023 ppm	210 cps
Y 360.073 (ETA AQ-Axial-iFR)	100.523 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.792 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.438 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.011 ppm	407 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	44 cps
Na 589.592 (ETA AQ-Radial-iFR)	6.723 ppm	4,720 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.038 ppm	119 cps
K 766.490 (ETA AQ-Radial-iFR)	1.080 ppm	179 cps
Na 818.326 (ETA AQ-Radial-iFR)	6.455 ppm	119 cps

Label: 480-223540-E-10-C #: 31
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:16:30 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	162.565 ppm	4,939 cps
As 189.042 (ETA AQ-Axial-iFR)	0.044 ppm	3 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.047 ppm	7 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-0.129 ppm	-13 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.064 ppm	5 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.018 ppm	8 cps
Zn 206.200 (ETA AQ-Axial-iFR)	-0.060 ppm	20 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.016 ppm	-1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.212 ppm	55 cps
P 213.618 (ETA AQ-Axial-iFR)	1,282.010 ppm	102,459 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	53.025 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	38.176 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
In 230.606 (ETA AQ-Axial-iFR)	42.622 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.050 ppm	19 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.006 ppm	21 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.316 ppm	333 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.065 ppm	76 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.311 ppm	7 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.780 ppm	52 cps
Si 288.158 (ETA AQ-Radial-iFR)	5.550 ppm	735 cps
V 292.402 (ETA AQ-Axial-iFR)	0.002 ppm	3 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.350 ppm	34 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	4 cps
Ca 317.933 (ETA AQ-Radial-iFR)	3.032 ppm	790 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.123 ppm	387 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.002 ppm	6 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.009 ppm	27 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.008 ppm	74 cps
Y 360.073 (ETA AQ-Axial-iFR)	57.529 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	41.657 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	42.104 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.024 ppm	879 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.005 ppm	117 cps
Na 589.592 (ETA AQ-Radial-iFR)	2,103.352 ppm	1,475,763 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.016 ppm	48 cps
K 766.490 (ETA AQ-Radial-iFR)	203.177 ppm	32,561 cps
Na 818.326 (ETA AQ-Radial-iFR)	182,482.362 ppm	3,472,301 cps

Label: 480-223540-E-12-C #: 32
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:18:24 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	2,266.698 ppm	68,840 cps
As 189.042 (ETA AQ-Axial-iFR)	-0.021 ppm	-3 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.084 ppm	13 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.020 ppm	0 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	-0.011 ppm	-5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	2.321 ppm	1,470 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.014 ppm	2 cps
B 208.959 (ETA AQ-Axial-iFR)	0.850 ppm	217 cps
P 213.618 (ETA AQ-Axial-iFR)	3.153 ppm	250 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.044 ppm	-5 cps
Y 224.306 (ETA AQ-Axial-iFR)	88.008 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	79.856 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.012 ppm	5 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.006 ppm	8 cps
In 230.606 (ETA AQ-Axial-iFR)	92.930 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.492 ppm	191 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.853 ppm	3,158 cps
Fe 259.940 (ETA AQ-Axial-iFR)	70.025 ppm	73,684 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.155 ppm	183 cps
Fe 271.441 (ETA AQ-Radial-iFR)	69.653 ppm	1,563 cps
Mg 279.079 (ETA AQ-Radial-iFR)	138.501 ppm	9,261 cps
Si 288.158 (ETA AQ-Radial-iFR)	53.304 ppm	7,037 cps
V 292.402 (ETA AQ-Axial-iFR)	0.073 ppm	200 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,252.763 ppm	392,532 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.039 ppm	915 cps
Ca 317.933 (ETA AQ-Radial-iFR)	92.159 ppm	23,844 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.314 ppm	983 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.002 ppm	4 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.395 ppm	1,377 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.397 ppm	3,684 cps
Y 360.073 (ETA AQ-Axial-iFR)	92.405 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	82.577 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	81.553 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.207 ppm	7,716 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.088 ppm	1,999 cps
Na 589.592 (ETA AQ-Radial-iFR)	67.414 ppm	47,302 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.279 ppm	875 cps
K 766.490 (ETA AQ-Radial-iFR)	10.030 ppm	1,632 cps
Na 818.326 (ETA AQ-Radial-iFR)	66.286 ppm	1,257 cps

Label: 480-223540-E-12-C@10 #: 33
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:20:17 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	634.073 ppm	19,257 cps
As 189.042 (ETA AQ-Axial-iFR)	-0.001 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.007 ppm	1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.255 ppm	161 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.089 ppm	23 cps
P 213.618 (ETA AQ-Axial-iFR)	0.307 ppm	23 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.005 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.929 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.717 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	107.920 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.053 ppm	20 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.084 ppm	313 cps
Fe 259.940 (ETA AQ-Axial-iFR)	7.708 ppm	8,110 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.016 ppm	19 cps
Fe 271.441 (ETA AQ-Radial-iFR)	7.026 ppm	158 cps
Mg 279.079 (ETA AQ-Radial-iFR)	13.364 ppm	894 cps
Si 288.158 (ETA AQ-Radial-iFR)	4.910 ppm	651 cps
V 292.402 (ETA AQ-Axial-iFR)	0.008 ppm	19 cps
Al 308.215 (ETA AQ-Radial-iFR)	429.186 ppm	39,616 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.004 ppm	88 cps
Ca 317.933 (ETA AQ-Radial-iFR)	9.179 ppm	2,380 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.027 ppm	87 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.040 ppm	135 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.039 ppm	363 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.461 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	97.474 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	96.490 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.020 ppm	738 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.008 ppm	190 cps
Na 589.592 (ETA AQ-Radial-iFR)	7.390 ppm	5,187 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.026 ppm	81 cps
K 766.490 (ETA AQ-Radial-iFR)	1.368 ppm	224 cps
Na 818.326 (ETA AQ-Radial-iFR)	6.528 ppm	120 cps

Label: rinse #: 34
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:22:11 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.533 ppm	19 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.824 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.499 %	195 cps

Basic Sample Report
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Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.532 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.004 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.003 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.029 ppm	7 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.002 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.012 ppm	9 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.324 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	96.107 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	96.192 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.807 ppm	569 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
K 766.490 (ETA AQ-Radial-iFR)	0.379 ppm	64 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.069 ppm	-3 cps

Label: CCV-8053377 #: 35
Analysis Type: QC Analysis started at: 9/25/2024 6:24:04 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	25.825 ppm	103.299 %
As 189.042 (ETA AQ-Axial-iFR)	1.012 ppm	101.211 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.036 ppm	103.560 %
Tl 190.856 (ETA AQ-Axial-iFR)	1.006 ppm	100.646 %
Se 196.090 (ETA AQ-Axial-iFR)	1.011 ppm	101.102 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.039 ppm	103.897 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.078 ppm	107.805 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.038 ppm	103.816 %
B 208.959 (ETA AQ-Axial-iFR)	1.041 ppm	104.116 %
P 213.618 (ETA AQ-Axial-iFR)	26.376 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.030 ppm	103.005 %
Y 224.306 (ETA AQ-Axial-iFR)	99.638 %	
Y 224.306 (ETA AQ-Radial-iFR)	91.634 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.038 ppm	103.794 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.058 ppm	105.764 %
In 230.606 (ETA AQ-Axial-iFR)	104.255 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.045 ppm	104.489 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.047 ppm	104.674 %
Fe 259.940 (ETA AQ-Axial-iFR)	55.849 ppm	111.698 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.076 ppm	107.609 %
Fe 271.441 (ETA AQ-Radial-iFR)	53.273 ppm	106.546 %
Mg 279.079 (ETA AQ-Radial-iFR)	53.036 ppm	106.073 %
Si 288.158 (ETA AQ-Radial-iFR)	11.355 ppm	113.554 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
V 292.402 (ETA AQ-Axial-iFR)	1.062 ppm	106.212 %
Al 308.215 (ETA AQ-Radial-iFR)	52.660 ppm	105.320 %
Be 313.042 (ETA AQ-Radial-iFR)	1.063 ppm	106.259 %
Ca 317.933 (ETA AQ-Radial-iFR)	53.410 ppm	106.820 %
Cu 327.396 (ETA AQ-Axial-iFR)	1.010 ppm	101.006 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.994 ppm	99.444 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.073 ppm	107.284 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.070 ppm	107.040 %
Y 360.073 (ETA AQ-Axial-iFR)	104.009 %	
Y 360.073 (ETA AQ-Radial-iFR)	92.788 %	
Y 377.433 (ETA AQ-Radial-iFR)	92.662 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.061 ppm	106.058 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.051 ppm	105.066 %
Na 589.592 (ETA AQ-Radial-iFR)	53.142 ppm	106.284 %
Li 670.784 (ETA AQ-Radial-iFR)	1.053 ppm	105.302 %
K 766.490 (ETA AQ-Radial-iFR)	52.607 ppm	105.215 %
Na 818.326 (ETA AQ-Radial-iFR)	52.243 ppm	104.486 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	787 cps
As 189.042 (ETA AQ-Axial-iFR)	90 cps
Sn 189.989 (ETA AQ-Axial-iFR)	157 cps
Tl 190.856 (ETA AQ-Axial-iFR)	87 cps
Se 196.090 (ETA AQ-Axial-iFR)	72 cps
Mo 202.030 (ETA AQ-Axial-iFR)	477 cps
Zn 206.200 (ETA AQ-Axial-iFR)	684 cps
Sb 206.833 (ETA AQ-Axial-iFR)	93 cps
B 208.959 (ETA AQ-Axial-iFR)	273 cps
P 213.618 (ETA AQ-Axial-iFR)	2,106 cps
Pb 220.353 (ETA AQ-Axial-iFR)	122 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	555 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,159 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	406 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,891 cps
Fe 259.940 (ETA AQ-Axial-iFR)	58,612 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,273 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,197 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,546 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,506 cps
V 292.402 (ETA AQ-Axial-iFR)	2,934 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,862 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,791 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,827 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,156 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,293 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,752 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,938 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,499 cps
Ba 455.403 (ETA AQ-Radial-iFR)	24,002 cps
Na 589.592 (ETA AQ-Radial-iFR)	37,288 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,307 cps
K 766.490 (ETA AQ-Radial-iFR)	8,433 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Na 818.326 (ETA AQ-Radial-iFR)	990 cps

Label: CCB-8053365 #: 36
Analysis Type: QC Analysis started at: 9/25/2024 6:25:59 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.376 ppm	188.064 %
As 189.042 (ETA AQ-Axial-iFR)	0.001 ppm	4.163 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	9.197 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.004 ppm	21.789 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	-4.349 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	3.717 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0.073 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	-11.237 %
B 208.959 (ETA AQ-Axial-iFR)	0.002 ppm	11.941 %
P 213.618 (ETA AQ-Axial-iFR)	0.005 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	-16.881 %
Y 224.306 (ETA AQ-Axial-iFR)	100.236 %	
Y 224.306 (ETA AQ-Radial-iFR)	96.006 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1.865 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-2.635 %
In 230.606 (ETA AQ-Axial-iFR)	102.479 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-0.479 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.028 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.030 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-5.085 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.039 ppm	-77.652 %
Mg 279.079 (ETA AQ-Radial-iFR)	-0.004 ppm	-1.937 %
Si 288.158 (ETA AQ-Radial-iFR)	0.015 ppm	3.003 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	0.006 %
Al 308.215 (ETA AQ-Radial-iFR)	-0.003 ppm	-1.327 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0.746 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.012 ppm	2.456 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-1.925 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	3.379 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	9.137 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.000 %
Y 360.073 (ETA AQ-Axial-iFR)	102.056 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.631 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.641 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	1.200 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	2.723 %
Na 589.592 (ETA AQ-Radial-iFR)	0.538 ppm	53.771 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	1.582 %
K 766.490 (ETA AQ-Radial-iFR)	0.312 ppm	62.452 %
Na 818.326 (ETA AQ-Radial-iFR)	0.101 ppm	10.068 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	14 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Sb 206.833 (ETA AQ-Axial-iFR)	1 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-2 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	-1 cps
Fe 259.940 (ETA AQ-Axial-iFR)	1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	5 cps
V 292.402 (ETA AQ-Axial-iFR)	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	9 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-7 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	380 cps
Li 670.784 (ETA AQ-Radial-iFR)	0 cps
K 766.490 (ETA AQ-Radial-iFR)	53 cps
Na 818.326 (ETA AQ-Radial-iFR)	-2 cps

Label: CCVL-8053374 #: 37
Analysis Type: QC Analysis started at: 9/25/2024 6:27:53 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.536 ppm	268.051 %
As 189.042 (ETA AQ-Axial-iFR)	0.015 ppm	103.003 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.010 ppm	98.855 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.026 ppm	129.982 %
Se 196.090 (ETA AQ-Axial-iFR)	0.023 ppm	91.623 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.011 ppm	107.818 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	109.747 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.019 ppm	96.577 %
B 208.959 (ETA AQ-Axial-iFR)	0.021 ppm	107.317 %
P 213.618 (ETA AQ-Axial-iFR)	0.006 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.008 ppm	81.623 %
Y 224.306 (ETA AQ-Axial-iFR)	100.228 %	
Y 224.306 (ETA AQ-Radial-iFR)	95.642 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.004 ppm	111.117 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	100.108 %
In 230.606 (ETA AQ-Axial-iFR)	102.737 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.011 ppm	109.187 %

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Analyte (Measure Mode)	Concentration average	Recovery Percentage
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	102.921 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.057 ppm	113.462 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	109.830 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.052 ppm	104.293 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.206 ppm	102.778 %
Si 288.158 (ETA AQ-Radial-iFR)	0.525 ppm	105.005 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	104.089 %
Al 308.215 (ETA AQ-Radial-iFR)	0.198 ppm	99.189 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	108.238 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.538 ppm	107.533 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	93.834 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.006 ppm	106.993 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	107.598 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	98.292 %
Y 360.073 (ETA AQ-Axial-iFR)	102.044 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.713 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.518 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	104.490 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	105.769 %
Na 589.592 (ETA AQ-Radial-iFR)	1.464 ppm	146.422 %
Li 670.784 (ETA AQ-Radial-iFR)	0.032 ppm	106.000 %
K 766.490 (ETA AQ-Radial-iFR)	0.775 ppm	154.994 %
Na 818.326 (ETA AQ-Radial-iFR)	1.118 ppm	111.768 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	19 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	12 cps
Fe 259.940 (ETA AQ-Axial-iFR)	61 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	2 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14 cps
Si 288.158 (ETA AQ-Radial-iFR)	72 cps
V 292.402 (ETA AQ-Axial-iFR)	12 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	49 cps
Ca 317.933 (ETA AQ-Radial-iFR)	145 cps
Cu 327.396 (ETA AQ-Axial-iFR)	31 cps
Ag 328.068 (ETA AQ-Axial-iFR)	21 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	44 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	185 cps
Ba 455.403 (ETA AQ-Radial-iFR)	48 cps
Na 589.592 (ETA AQ-Radial-iFR)	1,030 cps
Li 670.784 (ETA AQ-Radial-iFR)	98 cps
K 766.490 (ETA AQ-Radial-iFR)	127 cps
Na 818.326 (ETA AQ-Radial-iFR)	17 cps

Label: MB 480-725992/1-A #: 38
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:29:48 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.242 ppm	10 cps
As 189.042 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.051 ppm	8 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.055 ppm	3 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.474 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	97.690 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	104.246 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.001 ppm	5 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.015 ppm	17 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.005 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.001 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.202 ppm	30 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.015 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.026 ppm	12 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.239 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	99.358 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	99.514 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-7 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	3 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.305 ppm	216 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
K 766.490 (ETA AQ-Radial-iFR)	0.295 ppm	50 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.035 ppm	-3 cps

Label: LCSSRM 480-725992/2-A #: 39

Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:31:42 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.612 ppm	22 cps
As 189.042 (ETA AQ-Axial-iFR)	2.940 ppm	263 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.825 ppm	125 cps
Tl 190.856 (ETA AQ-Axial-iFR)	2.145 ppm	187 cps
Se 196.090 (ETA AQ-Axial-iFR)	1.474 ppm	105 cps
Mo 202.030 (ETA AQ-Axial-iFR)	1.373 ppm	631 cps
Zn 206.200 (ETA AQ-Axial-iFR)	1.695 ppm	1,073 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.920 ppm	83 cps
B 208.959 (ETA AQ-Axial-iFR)	2.350 ppm	608 cps
P 213.618 (ETA AQ-Axial-iFR)	2.211 ppm	175 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1.016 ppm	120 cps
Y 224.306 (ETA AQ-Axial-iFR)	112.852 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	105.971 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.906 ppm	487 cps
Cd 228.802 (ETA AQ-Axial-iFR)	2.073 ppm	2,273 cps
In 230.606 (ETA AQ-Axial-iFR)	105.339 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3.551 ppm	1,381 cps
Mn 257.610 (ETA AQ-Radial-iFR)	5.272 ppm	19,558 cps
Fe 259.940 (ETA AQ-Axial-iFR)	70.554 ppm	74,048 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1.839 ppm	2,175 cps
Fe 271.441 (ETA AQ-Radial-iFR)	69.494 ppm	1,561 cps
Mg 279.079 (ETA AQ-Radial-iFR)	17.719 ppm	1,185 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.419 ppm	1,000 cps
V 292.402 (ETA AQ-Axial-iFR)	1.083 ppm	2,991 cps
Al 308.215 (ETA AQ-Radial-iFR)	83.252 ppm	7,686 cps
Be 313.042 (ETA AQ-Radial-iFR)	1.679 ppm	39,184 cps
Ca 317.933 (ETA AQ-Radial-iFR)	51.635 ppm	13,371 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1.990 ppm	6,217 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.783 ppm	2,590 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3.910 ppm	13,678 cps
Ti 334.941 (ETA AQ-Axial-iFR)	3.899 ppm	36,207 cps
Y 360.073 (ETA AQ-Axial-iFR)	117.988 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	108.447 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	108.064 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.390 ppm	51,777 cps
Ba 455.403 (ETA AQ-Radial-iFR)	3.026 ppm	69,130 cps
Na 589.592 (ETA AQ-Radial-iFR)	5.241 ppm	3,680 cps
Li 670.784 (ETA AQ-Radial-iFR)	1.347 ppm	4,229 cps
K 766.490 (ETA AQ-Radial-iFR)	15.727 ppm	2,523 cps
Na 818.326 (ETA AQ-Radial-iFR)	4.917 ppm	89 cps

Label: 480-223609-A-1-C #: 40
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:33:35 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	2.147 ppm	68 cps
As 189.042 (ETA AQ-Axial-iFR)	0.031 ppm	2 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.120 ppm	18 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	5 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Zn 206.200 (ETA AQ-Axial-iFR)	7.537 ppm	4,770 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.013 ppm	3 cps
B 208.959 (ETA AQ-Axial-iFR)	0.033 ppm	9 cps
P 213.618 (ETA AQ-Axial-iFR)	4.222 ppm	336 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1.945 ppm	231 cps
Y 224.306 (ETA AQ-Axial-iFR)	107.212 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	102.972 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.052 ppm	28 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.010 ppm	12 cps
In 230.606 (ETA AQ-Axial-iFR)	103.664 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.116 ppm	44 cps
Mn 257.610 (ETA AQ-Radial-iFR)	4.925 ppm	18,235 cps
Fe 259.940 (ETA AQ-Axial-iFR)	113.038 ppm	118,615 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.655 ppm	775 cps
Fe 271.441 (ETA AQ-Radial-iFR)	119.014 ppm	2,670 cps
Mg 279.079 (ETA AQ-Radial-iFR)	15.700 ppm	1,050 cps
Si 288.158 (ETA AQ-Radial-iFR)	15.167 ppm	2,008 cps
V 292.402 (ETA AQ-Axial-iFR)	0.102 ppm	279 cps
Al 308.215 (ETA AQ-Radial-iFR)	70.853 ppm	6,541 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.003 ppm	66 cps
Ca 317.933 (ETA AQ-Radial-iFR)	10.607 ppm	2,750 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.148 ppm	464 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.866 ppm	3,026 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.865 ppm	8,030 cps
Y 360.073 (ETA AQ-Axial-iFR)	111.505 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	103.936 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	103.943 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.126 ppm	4,679 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.812 ppm	18,559 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.749 ppm	528 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.116 ppm	361 cps
K 766.490 (ETA AQ-Radial-iFR)	9.321 ppm	1,497 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.567 ppm	7 cps

Label: 480-223609-A-1-CSD@5 #: 41
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:35:29 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.657 ppm	23 cps
As 189.042 (ETA AQ-Axial-iFR)	0.008 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.024 ppm	3 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.014 ppm	7 cps
Zn 206.200 (ETA AQ-Axial-iFR)	1.711 ppm	1,083 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.010 ppm	3 cps
P 213.618 (ETA AQ-Axial-iFR)	0.935 ppm	73 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.397 ppm	47 cps
Y 224.306 (ETA AQ-Axial-iFR)	102.735 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.658 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.011 ppm	5 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	3 cps
In 230.606 (ETA AQ-Axial-iFR)	103.707 %	585 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ni 231.604 (ETA AQ-Axial-iFR)	0.024 ppm	9 cps
Mn 257.610 (ETA AQ-Radial-iFR)	1.076 ppm	3,984 cps
Fe 259.940 (ETA AQ-Axial-iFR)	27.002 ppm	28,334 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.141 ppm	167 cps
Fe 271.441 (ETA AQ-Radial-iFR)	25.604 ppm	575 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3.399 ppm	227 cps
Si 288.158 (ETA AQ-Radial-iFR)	3.538 ppm	471 cps
V 292.402 (ETA AQ-Axial-iFR)	0.022 ppm	58 cps
Al 308.215 (ETA AQ-Radial-iFR)	15.260 ppm	1,410 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.001 ppm	13 cps
Ca 317.933 (ETA AQ-Radial-iFR)	2.317 ppm	605 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.029 ppm	94 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.193 ppm	671 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.191 ppm	1,771 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.553 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	96.757 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	96.729 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.027 ppm	1,003 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.175 ppm	3,997 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.324 ppm	230 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.025 ppm	78 cps
K 766.490 (ETA AQ-Radial-iFR)	2.208 ppm	357 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.116 ppm	-2 cps

Label: 480-223609-A-1-CPDS #: 42
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:37:22 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	10.410 ppm	319 cps
As 189.042 (ETA AQ-Axial-iFR)	1.632 ppm	146 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.929 ppm	292 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.741 ppm	152 cps
Se 196.090 (ETA AQ-Axial-iFR)	1.514 ppm	108 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.870 ppm	400 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7.810 ppm	4,944 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.826 ppm	75 cps
B 208.959 (ETA AQ-Axial-iFR)	0.846 ppm	222 cps
P 213.618 (ETA AQ-Axial-iFR)	20.897 ppm	1,668 cps
Pb 220.353 (ETA AQ-Axial-iFR)	2.783 ppm	330 cps
Y 224.306 (ETA AQ-Axial-iFR)	104.550 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	97.890 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.979 ppm	524 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.858 ppm	943 cps
In 230.606 (ETA AQ-Axial-iFR)	100.770 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	1.057 ppm	410 cps
Mn 257.610 (ETA AQ-Radial-iFR)	5.505 ppm	20,411 cps
Fe 259.940 (ETA AQ-Axial-iFR)	115.952 ppm	121,677 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1.500 ppm	1,775 cps
Fe 271.441 (ETA AQ-Radial-iFR)	121.304 ppm	2,723 cps
Mg 279.079 (ETA AQ-Radial-iFR)	59.009 ppm	3,946 cps
Si 288.158 (ETA AQ-Radial-iFR)	18.640 ppm	2,471 cps
V 292.402 (ETA AQ-Axial-iFR)	0.968 ppm	2,674 cps
Al 308.215 (ETA AQ-Radial-iFR)	77.924 ppm	7,194 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.870 ppm	20,306 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ca 317.933 (ETA AQ-Radial-iFR)	53.992 ppm	13,976 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1.018 ppm	3,182 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.087 ppm	275 cps
Ti 334.904 (ETA AQ-Axial-iFR)	1.760 ppm	6,157 cps
Ti 334.941 (ETA AQ-Axial-iFR)	1.762 ppm	16,361 cps
Y 360.073 (ETA AQ-Axial-iFR)	110.054 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	100.433 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	100.214 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.013 ppm	37,715 cps
Ba 455.403 (ETA AQ-Radial-iFR)	2.548 ppm	58,215 cps
Na 589.592 (ETA AQ-Radial-iFR)	44.617 ppm	31,307 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.992 ppm	3,116 cps
K 766.490 (ETA AQ-Radial-iFR)	52.851 ppm	8,472 cps
Na 818.326 (ETA AQ-Radial-iFR)	43.697 ppm	827 cps

Label: 480-223609-A-1-D MS #: 43
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:39:16 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	10.325 ppm	317 cps
As 189.042 (ETA AQ-Axial-iFR)	1.763 ppm	157 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.953 ppm	296 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.922 ppm	168 cps
Se 196.090 (ETA AQ-Axial-iFR)	1.621 ppm	116 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.923 ppm	424 cps
Zn 206.200 (ETA AQ-Axial-iFR)	6.594 ppm	4,175 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.614 ppm	56 cps
B 208.959 (ETA AQ-Axial-iFR)	0.924 ppm	242 cps
P 213.618 (ETA AQ-Axial-iFR)	22.207 ppm	1,773 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1.525 ppm	181 cps
Y 224.306 (ETA AQ-Axial-iFR)	106.486 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	100.052 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1.083 ppm	580 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.925 ppm	1,016 cps
In 230.606 (ETA AQ-Axial-iFR)	100.422 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	1.169 ppm	454 cps
Mn 257.610 (ETA AQ-Radial-iFR)	5.710 ppm	21,177 cps
Fe 259.940 (ETA AQ-Axial-iFR)	123.640 ppm	129,747 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1.144 ppm	1,354 cps
Fe 271.441 (ETA AQ-Radial-iFR)	131.872 ppm	2,960 cps
Mg 279.079 (ETA AQ-Radial-iFR)	69.675 ppm	4,659 cps
Si 288.158 (ETA AQ-Radial-iFR)	20.266 ppm	2,687 cps
V 292.402 (ETA AQ-Axial-iFR)	1.088 ppm	3,006 cps
Al 308.215 (ETA AQ-Radial-iFR)	122.985 ppm	11,353 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.943 ppm	21,999 cps
Ca 317.933 (ETA AQ-Radial-iFR)	58.249 ppm	15,078 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1.107 ppm	3,460 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.096 ppm	302 cps
Ti 334.904 (ETA AQ-Axial-iFR)	2.057 ppm	7,195 cps
Ti 334.941 (ETA AQ-Axial-iFR)	2.062 ppm	19,141 cps
Y 360.073 (ETA AQ-Axial-iFR)	112.016 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	102.558 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	102.455 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.120 ppm	41,725 cps
Ba 455.403 (ETA AQ-Radial-iFR)	2.966 ppm	67,750 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Na 589.592 (ETA AQ-Radial-iFR)	48.415 ppm	33,972 cps
Li 670.784 (ETA AQ-Radial-iFR)	1.121 ppm	3,522 cps
K 766.490 (ETA AQ-Radial-iFR)	66.729 ppm	10,697 cps
Na 818.326 (ETA AQ-Radial-iFR)	47.468 ppm	899 cps

Label: 480-223609-A-1-E MSD #: 44
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:41:09 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	11.079 ppm	340 cps
As 189.042 (ETA AQ-Axial-iFR)	1.772 ppm	158 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.986 ppm	301 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.923 ppm	168 cps
Se 196.090 (ETA AQ-Axial-iFR)	1.640 ppm	117 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.937 ppm	430 cps
Zn 206.200 (ETA AQ-Axial-iFR)	9.010 ppm	5,704 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.657 ppm	60 cps
B 208.959 (ETA AQ-Axial-iFR)	0.937 ppm	245 cps
P 213.618 (ETA AQ-Axial-iFR)	22.529 ppm	1,799 cps
Pb 220.353 (ETA AQ-Axial-iFR)	2.308 ppm	274 cps
Y 224.306 (ETA AQ-Axial-iFR)	105.808 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	99.555 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1.085 ppm	581 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.939 ppm	1,031 cps
In 230.606 (ETA AQ-Axial-iFR)	100.275 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	1.172 ppm	455 cps
Mn 257.610 (ETA AQ-Radial-iFR)	5.328 ppm	19,762 cps
Fe 259.940 (ETA AQ-Axial-iFR)	115.274 ppm	120,969 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1.581 ppm	1,870 cps
Fe 271.441 (ETA AQ-Radial-iFR)	121.424 ppm	2,726 cps
Mg 279.079 (ETA AQ-Radial-iFR)	69.253 ppm	4,631 cps
Si 288.158 (ETA AQ-Radial-iFR)	19.737 ppm	2,616 cps
V 292.402 (ETA AQ-Axial-iFR)	1.098 ppm	3,032 cps
Al 308.215 (ETA AQ-Radial-iFR)	122.497 ppm	11,308 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.951 ppm	22,182 cps
Ca 317.933 (ETA AQ-Radial-iFR)	59.196 ppm	15,323 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1.121 ppm	3,502 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.097 ppm	306 cps
Ti 334.904 (ETA AQ-Axial-iFR)	1.989 ppm	6,959 cps
Ti 334.941 (ETA AQ-Axial-iFR)	1.991 ppm	18,488 cps
Y 360.073 (ETA AQ-Axial-iFR)	111.028 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	101.478 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	101.401 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.140 ppm	42,458 cps
Ba 455.403 (ETA AQ-Radial-iFR)	2.921 ppm	66,719 cps
Na 589.592 (ETA AQ-Radial-iFR)	48.751 ppm	34,207 cps
Li 670.784 (ETA AQ-Radial-iFR)	1.107 ppm	3,477 cps
K 766.490 (ETA AQ-Radial-iFR)	66.179 ppm	10,608 cps
Na 818.326 (ETA AQ-Radial-iFR)	47.625 ppm	902 cps

Label: 480-223638-A-1-A #: 45
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:43:02 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	9.529 ppm	292 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.052 ppm	8 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.308 ppm	194 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.062 ppm	16 cps
P 213.618 (ETA AQ-Axial-iFR)	22.179 ppm	1,771 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.471 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.176 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	105.632 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.532 ppm	1,968 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.749 ppm	787 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.666 ppm	15 cps
Mg 279.079 (ETA AQ-Radial-iFR)	6.903 ppm	462 cps
Si 288.158 (ETA AQ-Radial-iFR)	9.403 ppm	1,244 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.283 ppm	28 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	3.687 ppm	959 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.025 ppm	81 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.013 ppm	40 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.012 ppm	113 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.674 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	97.615 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	97.559 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.008 ppm	297 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.007 ppm	164 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.904 ppm	637 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	2 cps
K 766.490 (ETA AQ-Radial-iFR)	29.648 ppm	4,754 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.770 ppm	11 cps

Label: 480-223638-A-2-A #: 46
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:44:56 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	8.390 ppm	258 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.051 ppm	8 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.252 ppm	159 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.030 ppm	8 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
P 213.618 (ETA AQ-Axial-iFR)	15.537 ppm	1,240 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	102.483 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.660 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	105.850 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.131 ppm	485 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.257 ppm	270 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.220 ppm	5 cps
Mg 279.079 (ETA AQ-Radial-iFR)	5.352 ppm	358 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.229 ppm	957 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.092 ppm	10 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	1.910 ppm	500 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.023 ppm	73 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	12 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.004 ppm	39 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.781 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	97.412 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	97.072 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.003 ppm	112 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.004 ppm	81 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.980 ppm	690 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	18.378 ppm	2,948 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.765 ppm	10 cps

Label: CCV-8053377 #: 47
Analysis Type: QC Analysis started at: 9/25/2024 6:46:49 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	26.014 ppm	104.056 %
As 189.042 (ETA AQ-Axial-iFR)	0.995 ppm	99.455 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.049 ppm	104.931 %
Tl 190.856 (ETA AQ-Axial-iFR)	1.005 ppm	100.502 %
Se 196.090 (ETA AQ-Axial-iFR)	0.987 ppm	98.724 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.028 ppm	102.819 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.075 ppm	107.499 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.021 ppm	102.094 %
B 208.959 (ETA AQ-Axial-iFR)	1.027 ppm	102.722 %
P 213.618 (ETA AQ-Axial-iFR)	26.025 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.044 ppm	104.358 %
Y 224.306 (ETA AQ-Axial-iFR)	99.727 %	
Y 224.306 (ETA AQ-Radial-iFR)	93.161 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.053 ppm	105.318 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.046 ppm	104.612 %
In 230.606 (ETA AQ-Axial-iFR)	102.187 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.057 ppm	105.665 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.060 ppm	105.978 %
Fe 259.940 (ETA AQ-Axial-iFR)	54.974 ppm	109.947 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Cr 267.716 (ETA AQ-Axial-iFR)	1.078 ppm	107.849 %
Fe 271.441 (ETA AQ-Radial-iFR)	54.079 ppm	108.158 %
Mg 279.079 (ETA AQ-Radial-iFR)	53.254 ppm	106.508 %
Si 288.158 (ETA AQ-Radial-iFR)	10.920 ppm	109.204 %
V 292.402 (ETA AQ-Axial-iFR)	1.058 ppm	105.842 %
Al 308.215 (ETA AQ-Radial-iFR)	52.669 ppm	105.338 %
Be 313.042 (ETA AQ-Radial-iFR)	1.071 ppm	107.058 %
Ca 317.933 (ETA AQ-Radial-iFR)	53.958 ppm	107.917 %
Cu 327.396 (ETA AQ-Axial-iFR)	1.014 ppm	101.402 %
Ag 328.068 (ETA AQ-Axial-iFR)	1.061 ppm	106.071 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.055 ppm	105.517 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.048 ppm	104.768 %
Y 360.073 (ETA AQ-Axial-iFR)	102.713 %	
Y 360.073 (ETA AQ-Radial-iFR)	93.168 %	
Y 377.433 (ETA AQ-Radial-iFR)	92.470 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.067 ppm	106.699 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.060 ppm	106.048 %
Na 589.592 (ETA AQ-Radial-iFR)	52.895 ppm	105.790 %
Li 670.784 (ETA AQ-Radial-iFR)	1.046 ppm	104.622 %
K 766.490 (ETA AQ-Radial-iFR)	52.277 ppm	104.555 %
Na 818.326 (ETA AQ-Radial-iFR)	52.030 ppm	104.060 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	793 cps
As 189.042 (ETA AQ-Axial-iFR)	88 cps
Sn 189.989 (ETA AQ-Axial-iFR)	159 cps
Tl 190.856 (ETA AQ-Axial-iFR)	87 cps
Se 196.090 (ETA AQ-Axial-iFR)	71 cps
Mo 202.030 (ETA AQ-Axial-iFR)	472 cps
Zn 206.200 (ETA AQ-Axial-iFR)	682 cps
Sb 206.833 (ETA AQ-Axial-iFR)	92 cps
B 208.959 (ETA AQ-Axial-iFR)	269 cps
P 213.618 (ETA AQ-Axial-iFR)	2,078 cps
Pb 220.353 (ETA AQ-Axial-iFR)	124 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	563 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,147 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	410 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,939 cps
Fe 259.940 (ETA AQ-Axial-iFR)	57,693 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,276 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,215 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,561 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,449 cps
V 292.402 (ETA AQ-Axial-iFR)	2,923 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,863 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,977 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,969 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,168 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,514 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,690 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,727 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,738 cps

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QTEGRA

Analyte (Measure Mode)	IS Corrected Intensity Average
Ba 455.403 (ETA AQ-Radial-iFR)	24,227 cps
Na 589.592 (ETA AQ-Radial-iFR)	37,115 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,285 cps
K 766.490 (ETA AQ-Radial-iFR)	8,380 cps
Na 818.326 (ETA AQ-Radial-iFR)	986 cps

Label: CCB-8053365 #: 48
Analysis Type: QC Analysis started at: 9/25/2024 6:48:44 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.213 ppm	106.679 %
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	17.275 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	14.212 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	40.593 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	-11.928 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	1.122 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	-1.683 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	-15.089 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	17.223 %
P 213.618 (ETA AQ-Axial-iFR)	0.009 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	-10.049 %
Y 224.306 (ETA AQ-Axial-iFR)	101.517 %	
Y 224.306 (ETA AQ-Radial-iFR)	95.578 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	12.428 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-3.861 %
In 230.606 (ETA AQ-Axial-iFR)	103.556 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	1.848 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.017 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.050 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-2.638 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.028 ppm	-56.507 %
Mg 279.079 (ETA AQ-Radial-iFR)	-0.003 ppm	-1.264 %
Si 288.158 (ETA AQ-Radial-iFR)	0.008 ppm	1.516 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-0.023 %
Al 308.215 (ETA AQ-Radial-iFR)	0.002 ppm	0.991 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-0.321 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.001 ppm	0.135 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	0.340 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	5.125 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	9.585 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.001 %
Y 360.073 (ETA AQ-Axial-iFR)	102.373 %	
Y 360.073 (ETA AQ-Radial-iFR)	94.985 %	
Y 377.433 (ETA AQ-Radial-iFR)	94.745 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	1.097 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	-0.501 %
Na 589.592 (ETA AQ-Radial-iFR)	0.125 ppm	12.465 %
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	1.922 %
K 766.490 (ETA AQ-Radial-iFR)	0.183 ppm	36.503 %
Na 818.326 (ETA AQ-Radial-iFR)	-0.085 ppm	-8.480 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	9 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	4 cps
V 292.402 (ETA AQ-Axial-iFR)	-3 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-7 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0 cps
Na 589.592 (ETA AQ-Radial-iFR)	90 cps
Li 670.784 (ETA AQ-Radial-iFR)	0 cps
K 766.490 (ETA AQ-Radial-iFR)	32 cps
Na 818.326 (ETA AQ-Radial-iFR)	-6 cps

Label: CCVL-8053374 #: 49
Analysis Type: QC Analysis started at: 9/25/2024 6:50:38 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.417 ppm	208.625 %
As 189.042 (ETA AQ-Axial-iFR)	0.019 ppm	127.095 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.011 ppm	110.869 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.026 ppm	127.906 %
Se 196.090 (ETA AQ-Axial-iFR)	0.022 ppm	87.945 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	103.354 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.012 ppm	117.247 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.017 ppm	84.989 %
B 208.959 (ETA AQ-Axial-iFR)	0.022 ppm	108.086 %
P 213.618 (ETA AQ-Axial-iFR)	0.009 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.007 ppm	74.489 %
Y 224.306 (ETA AQ-Axial-iFR)	101.289 %	
Y 224.306 (ETA AQ-Radial-iFR)	95.897 %	

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Co 228.616 (ETA AQ-Axial-iFR)	0.005 ppm	114.856 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	88.382 %
In 230.606 (ETA AQ-Axial-iFR)	103.414 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.011 ppm	108.351 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	98.508 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.056 ppm	111.908 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	108.116 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.014 ppm	28.374 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.207 ppm	103.269 %
Si 288.158 (ETA AQ-Radial-iFR)	0.514 ppm	102.800 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	98.682 %
Al 308.215 (ETA AQ-Radial-iFR)	0.217 ppm	108.441 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	106.494 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.529 ppm	105.771 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	90.570 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.007 ppm	113.369 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	107.429 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	97.861 %
Y 360.073 (ETA AQ-Axial-iFR)	102.005 %	
Y 360.073 (ETA AQ-Radial-iFR)	94.757 %	
Y 377.433 (ETA AQ-Radial-iFR)	94.766 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	105.657 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	106.117 %
Na 589.592 (ETA AQ-Radial-iFR)	1.167 ppm	116.718 %
Li 670.784 (ETA AQ-Radial-iFR)	0.031 ppm	103.528 %
K 766.490 (ETA AQ-Radial-iFR)	0.671 ppm	134.213 %
Na 818.326 (ETA AQ-Radial-iFR)	1.037 ppm	103.701 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	16 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	11 cps
Fe 259.940 (ETA AQ-Axial-iFR)	60 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14 cps
Si 288.158 (ETA AQ-Radial-iFR)	71 cps
V 292.402 (ETA AQ-Axial-iFR)	12 cps
Al 308.215 (ETA AQ-Radial-iFR)	22 cps
Be 313.042 (ETA AQ-Radial-iFR)	48 cps
Ca 317.933 (ETA AQ-Radial-iFR)	143 cps
Cu 327.396 (ETA AQ-Axial-iFR)	30 cps
Ag 328.068 (ETA AQ-Axial-iFR)	22 cps

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Analyte (Measure Mode)	IS Corrected Intensity Average
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	44 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	187 cps
Ba 455.403 (ETA AQ-Radial-iFR)	48 cps
Na 589.592 (ETA AQ-Radial-iFR)	822 cps
Li 670.784 (ETA AQ-Radial-iFR)	96 cps
K 766.490 (ETA AQ-Radial-iFR)	110 cps
Na 818.326 (ETA AQ-Radial-iFR)	16 cps

Label: 480-223638-A-3-A #: 50
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:52:33 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	10.046 ppm	308 cps
As 189.042 (ETA AQ-Axial-iFR)	0.006 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.053 ppm	8 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.338 ppm	214 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.023 ppm	6 cps
P 213.618 (ETA AQ-Axial-iFR)	22.154 ppm	1,769 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.578 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	97.260 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	105.636 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.396 ppm	1,464 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.206 ppm	217 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.002 ppm	2 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.185 ppm	4 cps
Mg 279.079 (ETA AQ-Radial-iFR)	6.853 ppm	458 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.652 ppm	1,013 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.065 ppm	8 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	1.665 ppm	437 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.014 ppm	45 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.001 ppm	8 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.686 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	98.234 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	98.098 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.003 ppm	119 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.003 ppm	62 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.439 ppm	311 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
K 766.490 (ETA AQ-Radial-iFR)	23.239 ppm	3,727 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Na 818.326 (ETA AQ-Radial-iFR)	0.350 ppm	3 cps

Label: 480-223638-A-4-A #: 51
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:54:27 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	9.766 ppm	299 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.052 ppm	8 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.357 ppm	226 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.023 ppm	6 cps
P 213.618 (ETA AQ-Axial-iFR)	19.951 ppm	1,593 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.421 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.701 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	105.726 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.213 ppm	789 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.220 ppm	232 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.002 ppm	2 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.188 ppm	5 cps
Mg 279.079 (ETA AQ-Radial-iFR)	6.455 ppm	432 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.060 ppm	935 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.049 ppm	6 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	2.056 ppm	538 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.025 ppm	80 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.003 ppm	7 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.003 ppm	28 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.490 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	98.645 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	98.332 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.004 ppm	138 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.003 ppm	61 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.500 ppm	354 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
K 766.490 (ETA AQ-Radial-iFR)	20.166 ppm	3,234 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.366 ppm	3 cps

Label: 480-223638-A-5-A #: 52
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:56:20 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	12.278 ppm	376 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.053 ppm	8 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.012 ppm	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.371 ppm	235 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.071 ppm	19 cps
P 213.618 (ETA AQ-Axial-iFR)	27.640 ppm	2,207 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.628 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.221 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	105.686 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.741 ppm	2,743 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.409 ppm	430 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.002 ppm	3 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.353 ppm	8 cps
Mg 279.079 (ETA AQ-Radial-iFR)	8.619 ppm	576 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.541 ppm	1,130 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.080 ppm	9 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	3.087 ppm	804 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.021 ppm	68 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.004 ppm	8 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.003 ppm	28 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.847 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	97.546 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	97.473 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	160 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.008 ppm	184 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.339 ppm	240 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
K 766.490 (ETA AQ-Radial-iFR)	30.829 ppm	4,943 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.167 ppm	-1 cps

Label: 480-223638-A-6-A #: 53
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 6:58:14 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.308 ppm	12 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.049 ppm	7 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.068 ppm	43 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.005 ppm	2 cps
P 213.618 (ETA AQ-Axial-iFR)	0.070 ppm	4 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 224.306 (ETA AQ-Axial-iFR)	101.115 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.682 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	104.803 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.007 ppm	2 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.019 ppm	70 cps
Fe 259.940 (ETA AQ-Axial-iFR)	1.490 ppm	1,564 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	4 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1.312 ppm	30 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.757 ppm	51 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.234 ppm	166 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	1.017 ppm	96 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	18.588 ppm	4,814 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.008 ppm	28 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.043 ppm	147 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.042 ppm	391 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.092 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	98.086 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	98.035 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.024 ppm	882 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.016 ppm	368 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.756 ppm	533 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.267 ppm	46 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.665 ppm	9 cps

Label: 480-223638-A-7-A #: 54
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:00:07 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.273 ppm	11 cps
As 189.042 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.047 ppm	7 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.004 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.003 ppm	2 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.004 ppm	2 cps
P 213.618 (ETA AQ-Axial-iFR)	0.054 ppm	2 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.523 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	97.478 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	105.280 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.002 ppm	8 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.036 ppm	39 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.011 ppm	1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Mg 279.079 (ETA AQ-Radial-iFR)	0.167 ppm	11 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.146 ppm	22 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.059 ppm	7 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	2.690 ppm	702 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.004 ppm	11 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.004 ppm	35 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.451 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	98.514 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	98.421 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.003 ppm	90 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.001 ppm	26 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.851 ppm	600 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.218 ppm	38 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.704 ppm	9 cps

Label: 480-223638-A-9-A #: 55
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:02:01 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.758 ppm	26 cps
As 189.042 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.048 ppm	7 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.018 ppm	5 cps
P 213.618 (ETA AQ-Axial-iFR)	0.056 ppm	3 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.569 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	98.138 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	105.022 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.002 ppm	6 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.007 ppm	8 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.018 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.218 ppm	15 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.229 ppm	33 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.029 ppm	4 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	1.196 ppm	315 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.001 ppm	8 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 360.073 (ETA AQ-Axial-iFR)	104.501 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	99.581 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	99.271 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.002 ppm	56 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.001 ppm	25 cps
Na 589.592 (ETA AQ-Radial-iFR)	1.898 ppm	1,334 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.194 ppm	34 cps
Na 818.326 (ETA AQ-Radial-iFR)	1.746 ppm	29 cps

Label: 480-223638-A-10-A #: 56
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:03:55 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.365 ppm	14 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.048 ppm	7 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.016 ppm	10 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.005 ppm	2 cps
P 213.618 (ETA AQ-Axial-iFR)	0.072 ppm	4 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.365 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	95.786 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	104.121 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.006 ppm	23 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.295 ppm	311 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.238 ppm	6 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.480 ppm	32 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.658 ppm	90 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.487 ppm	47 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	23.040 ppm	5,965 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.002 ppm	9 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.034 ppm	116 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.034 ppm	310 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.755 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	97.250 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	97.105 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.016 ppm	584 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.005 ppm	106 cps
Na 589.592 (ETA AQ-Radial-iFR)	1.118 ppm	787 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.218 ppm	38 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.996 ppm	15 cps

Label: 480-223638-A-12-A #: 57
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:05:48 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	2.535 ppm	80 cps
As 189.042 (ETA AQ-Axial-iFR)	0.005 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.056 ppm	8 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.008 ppm	4 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.161 ppm	101 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.027 ppm	8 cps
P 213.618 (ETA AQ-Axial-iFR)	1.393 ppm	109 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	95.271 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	89.766 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	98.767 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.005 ppm	1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.129 ppm	480 cps
Fe 259.940 (ETA AQ-Axial-iFR)	4.590 ppm	4,818 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.012 ppm	14 cps
Fe 271.441 (ETA AQ-Radial-iFR)	4.028 ppm	91 cps
Mg 279.079 (ETA AQ-Radial-iFR)	8.911 ppm	596 cps
Si 288.158 (ETA AQ-Radial-iFR)	9.103 ppm	1,205 cps
V 292.402 (ETA AQ-Axial-iFR)	0.006 ppm	15 cps
Al 308.215 (ETA AQ-Radial-iFR)	8.794 ppm	813 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	654.320 ppm	169,252 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.103 ppm	323 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.004 ppm	12 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.181 ppm	630 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.178 ppm	1,651 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.013 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.876 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.731 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.499 ppm	18,597 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.087 ppm	1,980 cps
Na 589.592 (ETA AQ-Radial-iFR)	2.330 ppm	1,638 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.005 ppm	16 cps
K 766.490 (ETA AQ-Radial-iFR)	0.642 ppm	106 cps
Na 818.326 (ETA AQ-Radial-iFR)	2.106 ppm	36 cps

Label: rinse #: 58
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:07:42 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.139 ppm	7 cps
As 189.042 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.011 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.658 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	95.889 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	103.884 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-0.001 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.007 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.005 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.012 ppm	5 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.002 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.002 ppm	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	-0.001 ppm	-1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.797 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.884 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	95.571 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.079 ppm	58 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
K 766.490 (ETA AQ-Radial-iFR)	0.109 ppm	20 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.041 ppm	-3 cps

Label: CCV-8053377 #: 59
Analysis Type: QC Analysis started at: 9/25/2024 7:09:35 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	25.281 ppm	101.123 %
As 189.042 (ETA AQ-Axial-iFR)	0.997 ppm	99.676 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.034 ppm	103.425 %
Tl 190.856 (ETA AQ-Axial-iFR)	1.003 ppm	100.323 %
Se 196.090 (ETA AQ-Axial-iFR)	0.992 ppm	99.235 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.032 ppm	103.231 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.070 ppm	107.047 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.027 ppm	102.712 %
B 208.959 (ETA AQ-Axial-iFR)	1.033 ppm	103.266 %
P 213.618 (ETA AQ-Axial-iFR)	26.232 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.027 ppm	102.747 %
Y 224.306 (ETA AQ-Axial-iFR)	101.477 %	
Y 224.306 (ETA AQ-Radial-iFR)	92.532 %	

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Co 228.616 (ETA AQ-Axial-iFR)	1.041 ppm	104.126 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.051 ppm	105.055 %
In 230.606 (ETA AQ-Axial-iFR)	105.149 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.050 ppm	104.984 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.046 ppm	104.588 %
Fe 259.940 (ETA AQ-Axial-iFR)	55.103 ppm	110.205 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.072 ppm	107.239 %
Fe 271.441 (ETA AQ-Radial-iFR)	53.213 ppm	106.426 %
Mg 279.079 (ETA AQ-Radial-iFR)	53.292 ppm	106.584 %
Si 288.158 (ETA AQ-Radial-iFR)	10.742 ppm	107.419 %
V 292.402 (ETA AQ-Axial-iFR)	1.052 ppm	105.204 %
Al 308.215 (ETA AQ-Radial-iFR)	52.733 ppm	105.467 %
Be 313.042 (ETA AQ-Radial-iFR)	1.058 ppm	105.793 %
Ca 317.933 (ETA AQ-Radial-iFR)	53.419 ppm	106.838 %
Cu 327.396 (ETA AQ-Axial-iFR)	1.004 ppm	100.406 %
Ag 328.068 (ETA AQ-Axial-iFR)	1.000 ppm	100.049 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.068 ppm	106.841 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.064 ppm	106.405 %
Y 360.073 (ETA AQ-Axial-iFR)	105.299 %	
Y 360.073 (ETA AQ-Radial-iFR)	93.376 %	
Y 377.433 (ETA AQ-Radial-iFR)	92.837 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.069 ppm	106.875 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.059 ppm	105.921 %
Na 589.592 (ETA AQ-Radial-iFR)	53.263 ppm	106.525 %
Li 670.784 (ETA AQ-Radial-iFR)	1.047 ppm	104.748 %
K 766.490 (ETA AQ-Radial-iFR)	52.463 ppm	104.926 %
Na 818.326 (ETA AQ-Radial-iFR)	52.173 ppm	104.346 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	771 cps
As 189.042 (ETA AQ-Axial-iFR)	89 cps
Sn 189.989 (ETA AQ-Axial-iFR)	157 cps
Tl 190.856 (ETA AQ-Axial-iFR)	87 cps
Se 196.090 (ETA AQ-Axial-iFR)	71 cps
Mo 202.030 (ETA AQ-Axial-iFR)	474 cps
Zn 206.200 (ETA AQ-Axial-iFR)	679 cps
Sb 206.833 (ETA AQ-Axial-iFR)	92 cps
B 208.959 (ETA AQ-Axial-iFR)	271 cps
P 213.618 (ETA AQ-Axial-iFR)	2,095 cps
Pb 220.353 (ETA AQ-Axial-iFR)	122 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	557 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,152 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	408 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,888 cps
Fe 259.940 (ETA AQ-Axial-iFR)	57,829 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,268 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,196 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,564 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,425 cps
V 292.402 (ETA AQ-Axial-iFR)	2,906 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,869 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,682 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,829 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,137 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,313 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Ti 334.904 (ETA AQ-Axial-iFR)	3,737 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,879 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,803 cps
Ba 455.403 (ETA AQ-Radial-iFR)	24,197 cps
Na 589.592 (ETA AQ-Radial-iFR)	37,373 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,289 cps
K 766.490 (ETA AQ-Radial-iFR)	8,410 cps
Na 818.326 (ETA AQ-Radial-iFR)	989 cps

Label: CCB-8053365 #: 60
Analysis Type: QC Analysis started at: 9/25/2024 7:11:30 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.152 ppm	75.802 %
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	22.342 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	14.893 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	34.499 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	-9.044 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	2.211 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	-3.122 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	-8.818 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	14.399 %
P 213.618 (ETA AQ-Axial-iFR)	0.009 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	-15.374 %
Y 224.306 (ETA AQ-Axial-iFR)	101.177 %	
Y 224.306 (ETA AQ-Radial-iFR)	96.034 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	14.838 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-5.855 %
In 230.606 (ETA AQ-Axial-iFR)	103.464 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	10.487 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0.011 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.039 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-0.833 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.016 ppm	-31.329 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.001 ppm	0.718 %
Si 288.158 (ETA AQ-Radial-iFR)	0.005 ppm	0.993 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-0.036 %
Al 308.215 (ETA AQ-Radial-iFR)	-0.001 ppm	-0.747 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0.597 %
Ca 317.933 (ETA AQ-Radial-iFR)	-0.001 ppm	-0.163 %
Cu 327.396 (ETA AQ-Axial-iFR)	-0.001 ppm	-5.065 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	4.597 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	2.575 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.002 %
Y 360.073 (ETA AQ-Axial-iFR)	102.539 %	
Y 360.073 (ETA AQ-Radial-iFR)	96.062 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.638 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.908 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	1.462 %
Na 589.592 (ETA AQ-Radial-iFR)	0.073 ppm	7.336 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0.168 %
K 766.490 (ETA AQ-Radial-iFR)	0.128 ppm	25.601 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Na 818.326 (ETA AQ-Radial-iFR)	-0.032 ppm	-3.186 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	8 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	1 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	1 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	4 cps
V 292.402 (ETA AQ-Axial-iFR)	-3 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0 cps
Ag 328.068 (ETA AQ-Axial-iFR)	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	54 cps
Li 670.784 (ETA AQ-Radial-iFR)	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	23 cps
Na 818.326 (ETA AQ-Radial-iFR)	-5 cps

Label: CCVL-8053374 #: 61
Analysis Type: QC Analysis started at: 9/25/2024 7:13:24 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.348 ppm	174.248 %
As 189.042 (ETA AQ-Axial-iFR)	0.018 ppm	122.637 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.011 ppm	106.373 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.026 ppm	129.447 %
Se 196.090 (ETA AQ-Axial-iFR)	0.020 ppm	79.583 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	98.945 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	107.734 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Sb 206.833 (ETA AQ-Axial-iFR)	0.018 ppm	90.783 %
B 208.959 (ETA AQ-Axial-iFR)	0.022 ppm	108.257 %
P 213.618 (ETA AQ-Axial-iFR)	0.010 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.007 ppm	71.599 %
Y 224.306 (ETA AQ-Axial-iFR)	101.285 %	
Y 224.306 (ETA AQ-Radial-iFR)	95.957 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.005 ppm	119.018 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	100.761 %
In 230.606 (ETA AQ-Axial-iFR)	103.765 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.011 ppm	111.313 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	100.983 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.056 ppm	111.864 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.005 ppm	117.315 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.010 ppm	19.344 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.203 ppm	101.272 %
Si 288.158 (ETA AQ-Radial-iFR)	0.511 ppm	102.121 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	97.862 %
Al 308.215 (ETA AQ-Radial-iFR)	0.203 ppm	101.384 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	104.152 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.523 ppm	104.598 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	89.554 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.007 ppm	112.321 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	106.703 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	97.514 %
Y 360.073 (ETA AQ-Axial-iFR)	102.470 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.599 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.169 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	105.995 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	106.468 %
Na 589.592 (ETA AQ-Radial-iFR)	1.130 ppm	112.991 %
Li 670.784 (ETA AQ-Radial-iFR)	0.031 ppm	102.530 %
K 766.490 (ETA AQ-Radial-iFR)	0.633 ppm	126.649 %
Na 818.326 (ETA AQ-Radial-iFR)	0.996 ppm	99.612 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	14 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	4 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	4 cps
Mn 257.610 (ETA AQ-Radial-iFR)	12 cps
Fe 259.940 (ETA AQ-Axial-iFR)	60 cps
Cr 267.716 (ETA AQ-Axial-iFR)	6 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14 cps
Si 288.158 (ETA AQ-Radial-iFR)	70 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
V 292.402 (ETA AQ-Axial-iFR)	11 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	47 cps
Ca 317.933 (ETA AQ-Radial-iFR)	141 cps
Cu 327.396 (ETA AQ-Axial-iFR)	29 cps
Ag 328.068 (ETA AQ-Axial-iFR)	22 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	43 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	188 cps
Ba 455.403 (ETA AQ-Radial-iFR)	49 cps
Na 589.592 (ETA AQ-Radial-iFR)	795 cps
Li 670.784 (ETA AQ-Radial-iFR)	95 cps
K 766.490 (ETA AQ-Radial-iFR)	104 cps
Na 818.326 (ETA AQ-Radial-iFR)	15 cps

Label: MB 480-726051/1-A #: 62
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:15:19 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.147 ppm	7 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.011 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.215 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.183 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	103.626 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.006 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.002 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.000 ppm	3 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Al 308.215 (ETA AQ-Radial-iFR)	-0.001 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.005 ppm	7 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.276 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	97.105 %	2,502 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 377.433 (ETA AQ-Radial-iFR)	96.704 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-7 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.068 ppm	51 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.116 ppm	21 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.021 ppm	-5 cps

Label: LCS 480-726051/2-A #: 63
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:17:12 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	5.290 ppm	164 cps
As 189.042 (ETA AQ-Axial-iFR)	0.983 ppm	87 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.023 ppm	155 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.990 ppm	86 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.954 ppm	68 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.513 ppm	236 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.533 ppm	338 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.508 ppm	46 cps
B 208.959 (ETA AQ-Axial-iFR)	0.512 ppm	135 cps
P 213.618 (ETA AQ-Axial-iFR)	10.330 ppm	824 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.508 ppm	60 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.060 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.773 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.523 ppm	279 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.512 ppm	562 cps
In 230.606 (ETA AQ-Axial-iFR)	103.541 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.535 ppm	207 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.517 ppm	1,932 cps
Fe 259.940 (ETA AQ-Axial-iFR)	5.933 ppm	6,229 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.535 ppm	632 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.374 ppm	122 cps
Mg 279.079 (ETA AQ-Radial-iFR)	26.053 ppm	1,742 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.058 ppm	145 cps
V 292.402 (ETA AQ-Axial-iFR)	0.526 ppm	1,452 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.273 ppm	489 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.534 ppm	12,469 cps
Ca 317.933 (ETA AQ-Radial-iFR)	26.498 ppm	6,863 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.496 ppm	1,552 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.053 ppm	167 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.535 ppm	1,868 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.535 ppm	4,963 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.351 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.515 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.290 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.547 ppm	20,353 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.061 ppm	24,242 cps
Na 589.592 (ETA AQ-Radial-iFR)	26.685 ppm	18,726 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.521 ppm	1,635 cps
K 766.490 (ETA AQ-Radial-iFR)	26.030 ppm	4,174 cps
Na 818.326 (ETA AQ-Radial-iFR)	25.966 ppm	490 cps

Label: LCSD 480-726051/3-A #: 64

Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:19:06 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	5.395 ppm	167 cps
As 189.042 (ETA AQ-Axial-iFR)	1.012 ppm	90 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.054 ppm	160 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.009 ppm	87 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.975 ppm	70 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.528 ppm	243 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.545 ppm	345 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.517 ppm	47 cps
B 208.959 (ETA AQ-Axial-iFR)	0.525 ppm	138 cps
P 213.618 (ETA AQ-Axial-iFR)	10.623 ppm	847 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.521 ppm	62 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.260 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.737 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.538 ppm	287 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.526 ppm	578 cps
In 230.606 (ETA AQ-Axial-iFR)	103.730 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.550 ppm	213 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.529 ppm	1,976 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.085 ppm	6,389 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.548 ppm	649 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.514 ppm	125 cps
Mg 279.079 (ETA AQ-Radial-iFR)	26.669 ppm	1,783 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.084 ppm	149 cps
V 292.402 (ETA AQ-Axial-iFR)	0.541 ppm	1,493 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.393 ppm	500 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.547 ppm	12,754 cps
Ca 317.933 (ETA AQ-Radial-iFR)	27.158 ppm	7,034 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.510 ppm	1,593 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.054 ppm	172 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.549 ppm	1,919 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.549 ppm	5,096 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.638 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.016 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.439 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.555 ppm	20,676 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.087 ppm	24,840 cps
Na 589.592 (ETA AQ-Radial-iFR)	27.227 ppm	19,106 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.535 ppm	1,680 cps
K 766.490 (ETA AQ-Radial-iFR)	26.705 ppm	4,282 cps
Na 818.326 (ETA AQ-Radial-iFR)	26.550 ppm	501 cps

Label: 480-223490-C-1-F #: 65
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:21:00 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	13.675 ppm	418 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Zn 206.200 (ETA AQ-Axial-iFR)	0.006 ppm	4 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.014 ppm	4 cps
P 213.618 (ETA AQ-Axial-iFR)	0.016 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	97.869 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.223 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.112 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.001 ppm	4 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.030 ppm	33 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.001 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	34.957 ppm	2,338 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.170 ppm	1,081 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.014 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	131.966 ppm	34,140 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.003 ppm	12 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.221 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.925 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	93.646 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.924 ppm	34,412 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.063 ppm	1,441 cps
Na 589.592 (ETA AQ-Radial-iFR)	3.771 ppm	2,649 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.012 ppm	36 cps
K 766.490 (ETA AQ-Radial-iFR)	1.138 ppm	185 cps
Na 818.326 (ETA AQ-Radial-iFR)	3.572 ppm	64 cps

Label: 480-223490-D-2-D #: 66
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:22:53 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	52.478 ppm	1,596 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.005 ppm	3 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.033 ppm	9 cps
P 213.618 (ETA AQ-Axial-iFR)	0.055 ppm	3 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	97.440 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.209 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	101.571 %	585 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.001 ppm	6 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.089 ppm	95 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.063 ppm	2 cps
Mg 279.079 (ETA AQ-Radial-iFR)	47.764 ppm	3,194 cps
Si 288.158 (ETA AQ-Radial-iFR)	5.346 ppm	708 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.075 ppm	9 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	143.941 ppm	37,237 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.003 ppm	4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.002 ppm	12 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.967 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.118 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.685 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.927 ppm	34,521 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.117 ppm	2,667 cps
Na 589.592 (ETA AQ-Radial-iFR)	13.756 ppm	9,654 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.004 ppm	12 cps
K 766.490 (ETA AQ-Radial-iFR)	2.963 ppm	478 cps
Na 818.326 (ETA AQ-Radial-iFR)	13.199 ppm	247 cps

Label: 480-223490-D-3-D #: 67
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:24:47 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	126.446 ppm	3,842 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.010 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.042 ppm	19 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.072 ppm	19 cps
P 213.618 (ETA AQ-Axial-iFR)	0.047 ppm	2 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	96.376 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	90.751 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	100.456 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	-0.001 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.005 ppm	6 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.020 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	91.250 ppm	6,102 cps
Si 288.158 (ETA AQ-Radial-iFR)	6.706 ppm	888 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.015 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ca 317.933 (ETA AQ-Radial-iFR)	143.044 ppm	37,006 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	-2 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-6 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.246 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.552 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.308 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.360 ppm	50,642 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.103 ppm	2,352 cps
Na 589.592 (ETA AQ-Radial-iFR)	33.279 ppm	23,352 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.010 ppm	29 cps
K 766.490 (ETA AQ-Radial-iFR)	2.901 ppm	468 cps
Na 818.326 (ETA AQ-Radial-iFR)	32.183 ppm	608 cps

Label: 480-223487-D-1-D #: 68
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:26:41 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	7.714 ppm	237 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.009 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.113 ppm	29 cps
P 213.618 (ETA AQ-Axial-iFR)	0.015 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	97.690 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	90.996 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	101.366 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.003 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.068 ppm	254 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.143 ppm	152 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.002 ppm	2 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.105 ppm	3 cps
Mg 279.079 (ETA AQ-Radial-iFR)	58.470 ppm	3,910 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.253 ppm	1,092 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.032 ppm	5 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	124.039 ppm	32,090 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.001 ppm	6 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	-2 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.941 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.556 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.281 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	3.042 ppm	113,293 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.153 ppm	3,494 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Na 589.592 (ETA AQ-Radial-iFR)	28.183 ppm	19,777 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.043 ppm	133 cps
K 766.490 (ETA AQ-Radial-iFR)	3.495 ppm	563 cps
Na 818.326 (ETA AQ-Radial-iFR)	27.293 ppm	515 cps

Label: 480-223448-D-3-D #: 69
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:28:34 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	34.162 ppm	1,040 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.006 ppm	3 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.057 ppm	37 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.044 ppm	12 cps
P 213.618 (ETA AQ-Axial-iFR)	0.027 ppm	0 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	96.652 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	89.818 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	100.476 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.005 ppm	1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	15 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.102 ppm	109 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.003 ppm	4 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.081 ppm	2 cps
Mg 279.079 (ETA AQ-Radial-iFR)	77.205 ppm	5,163 cps
Si 288.158 (ETA AQ-Radial-iFR)	13.508 ppm	1,785 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.037 ppm	5 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	242.840 ppm	62,819 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.001 ppm	4 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.002 ppm	3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.293 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	91.458 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	90.969 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.312 ppm	48,849 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.111 ppm	2,544 cps
Na 589.592 (ETA AQ-Radial-iFR)	27.725 ppm	19,455 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.036 ppm	112 cps
K 766.490 (ETA AQ-Radial-iFR)	2.402 ppm	388 cps
Na 818.326 (ETA AQ-Radial-iFR)	26.915 ppm	508 cps

Label: 480-223647-A-1-B #: 70
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:30:28 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	6.402 ppm	197 cps
As 189.042 (ETA AQ-Axial-iFR)	0.005 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.003 ppm	2 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.010 ppm	3 cps
P 213.618 (ETA AQ-Axial-iFR)	0.079 ppm	4 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.198 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	94.662 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	104.117 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	1.528 ppm	5,655 cps
Fe 259.940 (ETA AQ-Axial-iFR)	5.136 ppm	5,390 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.003 ppm	4 cps
Fe 271.441 (ETA AQ-Radial-iFR)	4.698 ppm	106 cps
Mg 279.079 (ETA AQ-Radial-iFR)	12.280 ppm	821 cps
Si 288.158 (ETA AQ-Radial-iFR)	5.494 ppm	728 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.069 ppm	8 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	52.557 ppm	13,600 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.001 ppm	6 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.897 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.938 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.480 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.163 ppm	6,070 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.059 ppm	1,338 cps
Na 589.592 (ETA AQ-Radial-iFR)	2.386 ppm	1,677 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.004 ppm	10 cps
K 766.490 (ETA AQ-Radial-iFR)	0.753 ppm	123 cps
Na 818.326 (ETA AQ-Radial-iFR)	2.315 ppm	40 cps

Label: CCV-8053377 #: 71
Analysis Type: QC Analysis started at: 9/25/2024 7:32:22 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	25.245 ppm	100.981 %
As 189.042 (ETA AQ-Axial-iFR)	0.993 ppm	99.308 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.038 ppm	103.758 %
Tl 190.856 (ETA AQ-Axial-iFR)	1.000 ppm	99.951 %
Se 196.090 (ETA AQ-Axial-iFR)	0.986 ppm	98.633 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.034 ppm	103.385 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.086 ppm	108.596 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.018 ppm	101.825 %
B 208.959 (ETA AQ-Axial-iFR)	1.027 ppm	102.725 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
P 213.618 (ETA AQ-Axial-iFR)	26.049 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.024 ppm	102.424 %
Y 224.306 (ETA AQ-Axial-iFR)	101.050 %	
Y 224.306 (ETA AQ-Radial-iFR)	92.523 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.040 ppm	103.967 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.052 ppm	105.199 %
In 230.606 (ETA AQ-Axial-iFR)	105.129 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.045 ppm	104.471 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.055 ppm	105.502 %
Fe 259.940 (ETA AQ-Axial-iFR)	55.185 ppm	110.371 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.079 ppm	107.940 %
Fe 271.441 (ETA AQ-Radial-iFR)	54.079 ppm	108.158 %
Mg 279.079 (ETA AQ-Radial-iFR)	54.064 ppm	108.127 %
Si 288.158 (ETA AQ-Radial-iFR)	10.755 ppm	107.554 %
V 292.402 (ETA AQ-Axial-iFR)	1.057 ppm	105.656 %
Al 308.215 (ETA AQ-Radial-iFR)	53.085 ppm	106.170 %
Be 313.042 (ETA AQ-Radial-iFR)	1.063 ppm	106.256 %
Ca 317.933 (ETA AQ-Radial-iFR)	53.957 ppm	107.913 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.996 ppm	99.646 %
Ag 328.068 (ETA AQ-Axial-iFR)	1.004 ppm	100.352 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.068 ppm	106.768 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.062 ppm	106.235 %
Y 360.073 (ETA AQ-Axial-iFR)	104.465 %	
Y 360.073 (ETA AQ-Radial-iFR)	91.799 %	
Y 377.433 (ETA AQ-Radial-iFR)	91.555 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.067 ppm	106.738 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.055 ppm	105.471 %
Na 589.592 (ETA AQ-Radial-iFR)	53.299 ppm	106.598 %
Li 670.784 (ETA AQ-Radial-iFR)	1.043 ppm	104.278 %
K 766.490 (ETA AQ-Radial-iFR)	52.230 ppm	104.459 %
Na 818.326 (ETA AQ-Radial-iFR)	51.864 ppm	103.727 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	770 cps
As 189.042 (ETA AQ-Axial-iFR)	88 cps
Sn 189.989 (ETA AQ-Axial-iFR)	157 cps
Tl 190.856 (ETA AQ-Axial-iFR)	87 cps
Se 196.090 (ETA AQ-Axial-iFR)	71 cps
Mo 202.030 (ETA AQ-Axial-iFR)	475 cps
Zn 206.200 (ETA AQ-Axial-iFR)	689 cps
Sb 206.833 (ETA AQ-Axial-iFR)	91 cps
B 208.959 (ETA AQ-Axial-iFR)	269 cps
P 213.618 (ETA AQ-Axial-iFR)	2,080 cps
Pb 220.353 (ETA AQ-Axial-iFR)	121 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	556 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,153 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	406 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,922 cps
Fe 259.940 (ETA AQ-Axial-iFR)	57,915 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,277 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,215 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,615 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,427 cps
V 292.402 (ETA AQ-Axial-iFR)	2,918 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,902 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Be 313.042 (ETA AQ-Radial-iFR)	24,790 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,968 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,113 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,323 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,734 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,863 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,752 cps
Ba 455.403 (ETA AQ-Radial-iFR)	24,095 cps
Na 589.592 (ETA AQ-Radial-iFR)	37,399 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,274 cps
K 766.490 (ETA AQ-Radial-iFR)	8,373 cps
Na 818.326 (ETA AQ-Radial-iFR)	983 cps

Label: CCB-8053365 #: 72
Analysis Type: QC Analysis started at: 9/25/2024 7:34:17 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.120 ppm	60.137 %
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	27.163 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	4.473 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	27.560 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.004 ppm	-15.381 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	2.035 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	-1.502 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	-20.590 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	12.514 %
P 213.618 (ETA AQ-Axial-iFR)	0.006 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	-15.606 %
Y 224.306 (ETA AQ-Axial-iFR)	101.198 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.732 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	11.267 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-7.650 %
In 230.606 (ETA AQ-Axial-iFR)	103.623 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1.218 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.023 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.038 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-3.392 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.023 ppm	-46.876 %
Mg 279.079 (ETA AQ-Radial-iFR)	-0.003 ppm	-1.410 %
Si 288.158 (ETA AQ-Radial-iFR)	0.003 ppm	0.656 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-0.013 %
Al 308.215 (ETA AQ-Radial-iFR)	-0.002 ppm	-1.224 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	1.221 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.002 ppm	0.320 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-1.412 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.001 ppm	9.263 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	8.291 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-0.003 %
Y 360.073 (ETA AQ-Axial-iFR)	102.036 %	
Y 360.073 (ETA AQ-Radial-iFR)	94.932 %	
Y 377.433 (ETA AQ-Radial-iFR)	94.486 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.313 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	-1.056 %
Na 589.592 (ETA AQ-Radial-iFR)	0.051 ppm	5.059 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-0.781 %
K 766.490 (ETA AQ-Radial-iFR)	0.103 ppm	20.604 %
Na 818.326 (ETA AQ-Radial-iFR)	0.013 ppm	1.322 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	7 cps
As 189.042 (ETA AQ-Axial-iFR)	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	4 cps
V 292.402 (ETA AQ-Axial-iFR)	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	2 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-9 cps
Ba 455.403 (ETA AQ-Radial-iFR)	-1 cps
Na 589.592 (ETA AQ-Radial-iFR)	38 cps
Li 670.784 (ETA AQ-Radial-iFR)	-2 cps
K 766.490 (ETA AQ-Radial-iFR)	19 cps
Na 818.326 (ETA AQ-Radial-iFR)	-4 cps

Label: CCVL-8053374 #: 73
Analysis Type: QC Analysis started at: 9/25/2024 7:36:11 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.323 ppm	161.438 %
As 189.042 (ETA AQ-Axial-iFR)	0.017 ppm	111.330 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.010 ppm	98.840 %

Basic Sample Report

9/26/2024 8:25:10 AM

QTEGRA

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Tl 190.856 (ETA AQ-Axial-iFR)	0.023 ppm	116.524 %
Se 196.090 (ETA AQ-Axial-iFR)	0.018 ppm	71.074 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	103.349 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.013 ppm	134.744 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.018 ppm	87.756 %
B 208.959 (ETA AQ-Axial-iFR)	0.021 ppm	106.266 %
P 213.618 (ETA AQ-Axial-iFR)	0.010 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.009 ppm	88.905 %
Y 224.306 (ETA AQ-Axial-iFR)	101.228 %	
Y 224.306 (ETA AQ-Radial-iFR)	95.233 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.004 ppm	107.491 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	94.470 %
In 230.606 (ETA AQ-Axial-iFR)	103.571 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.010 ppm	104.326 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	98.473 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.056 ppm	112.471 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	105.853 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.035 ppm	70.154 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.207 ppm	103.555 %
Si 288.158 (ETA AQ-Radial-iFR)	0.516 ppm	103.126 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	102.962 %
Al 308.215 (ETA AQ-Radial-iFR)	0.200 ppm	99.975 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	106.061 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.526 ppm	105.174 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	93.782 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.007 ppm	114.508 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	108.925 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	97.771 %
Y 360.073 (ETA AQ-Axial-iFR)	102.275 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.070 %	
Y 377.433 (ETA AQ-Radial-iFR)	94.822 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	105.267 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	107.874 %
Na 589.592 (ETA AQ-Radial-iFR)	1.105 ppm	110.514 %
Li 670.784 (ETA AQ-Radial-iFR)	0.031 ppm	103.420 %
K 766.490 (ETA AQ-Radial-iFR)	0.595 ppm	119.070 %
Na 818.326 (ETA AQ-Radial-iFR)	1.057 ppm	105.651 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	13 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	8 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	11 cps
Fe 259.940 (ETA AQ-Axial-iFR)	60 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14 cps
Si 288.158 (ETA AQ-Radial-iFR)	71 cps
V 292.402 (ETA AQ-Axial-iFR)	12 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	48 cps
Ca 317.933 (ETA AQ-Radial-iFR)	142 cps
Cu 327.396 (ETA AQ-Axial-iFR)	31 cps
Ag 328.068 (ETA AQ-Axial-iFR)	23 cps
Ti 334.904 (ETA AQ-Axial-iFR)	15 cps
Ti 334.941 (ETA AQ-Axial-iFR)	44 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	187 cps
Ba 455.403 (ETA AQ-Radial-iFR)	49 cps
Na 589.592 (ETA AQ-Radial-iFR)	778 cps
Li 670.784 (ETA AQ-Radial-iFR)	96 cps
K 766.490 (ETA AQ-Radial-iFR)	98 cps
Na 818.326 (ETA AQ-Radial-iFR)	16 cps

Label: 480-223647-A-2-B #: 74
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:38:06 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	10.657 ppm	327 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.013 ppm	4 cps
P 213.618 (ETA AQ-Axial-iFR)	0.026 ppm	0 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	97.705 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.484 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.019 ppm	9 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.069 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.291 ppm	112 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.215 ppm	796 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.522 ppm	6,845 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.241 ppm	285 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.947 ppm	134 cps
Mg 279.079 (ETA AQ-Radial-iFR)	22.072 ppm	1,476 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.896 ppm	1,045 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.056 ppm	7 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	126.631 ppm	32,760 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.003 ppm	10 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.866 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.536 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.526 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.512 ppm	19,055 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.057 ppm	1,299 cps
Na 589.592 (ETA AQ-Radial-iFR)	68.223 ppm	47,869 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.006 ppm	18 cps
K 766.490 (ETA AQ-Radial-iFR)	1.569 ppm	254 cps
Na 818.326 (ETA AQ-Radial-iFR)	67.041 ppm	1,272 cps

Label: 480-223647-A-3-D #: 75
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:39:59 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	8.255 ppm	254 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.002 ppm	2 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.016 ppm	5 cps
P 213.618 (ETA AQ-Axial-iFR)	0.030 ppm	0 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	99.236 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.954 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	103.415 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.026 ppm	98 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.241 ppm	254 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.177 ppm	4 cps
Mg 279.079 (ETA AQ-Radial-iFR)	15.901 ppm	1,063 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.029 ppm	930 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.160 ppm	17 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	87.033 ppm	22,518 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.003 ppm	6 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.003 ppm	21 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.921 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.494 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	93.516 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.329 ppm	12,262 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.044 ppm	1,012 cps
Na 589.592 (ETA AQ-Radial-iFR)	49.447 ppm	34,696 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.004 ppm	12 cps
K 766.490 (ETA AQ-Radial-iFR)	1.083 ppm	176 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Na 818.326 (ETA AQ-Radial-iFR)	48.491 ppm	919 cps

Label: 480-223647-A-3-DSD@5 #: 76
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:41:53 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	1.745 ppm	56 cps
As 189.042 (ETA AQ-Axial-iFR)	0.005 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.013 ppm	6 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.008 ppm	3 cps
P 213.618 (ETA AQ-Axial-iFR)	0.015 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.881 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.758 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.546 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.005 ppm	21 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.051 ppm	54 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.030 ppm	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3.257 ppm	218 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.423 ppm	191 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.078 ppm	9 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	18.146 ppm	4,699 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.001 ppm	4 cps
Y 360.073 (ETA AQ-Axial-iFR)	100.919 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.979 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.826 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.068 ppm	2,529 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.009 ppm	216 cps
Na 589.592 (ETA AQ-Radial-iFR)	10.024 ppm	7,036 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.290 ppm	49 cps
Na 818.326 (ETA AQ-Radial-iFR)	9.829 ppm	183 cps

Label: 480-223647-A-3-JPDS #: 77
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:43:47 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	13.757 ppm	421 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
As 189.042 (ETA AQ-Axial-iFR)	1.032 ppm	92 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.076 ppm	163 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.059 ppm	92 cps
Se 196.090 (ETA AQ-Axial-iFR)	1.002 ppm	72 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.538 ppm	247 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.538 ppm	342 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.522 ppm	47 cps
B 208.959 (ETA AQ-Axial-iFR)	0.554 ppm	145 cps
P 213.618 (ETA AQ-Axial-iFR)	11.171 ppm	891 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.547 ppm	65 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.166 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.167 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.545 ppm	291 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.543 ppm	597 cps
In 230.606 (ETA AQ-Axial-iFR)	101.037 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.556 ppm	215 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.562 ppm	2,100 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.435 ppm	6,757 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.552 ppm	653 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.819 ppm	132 cps
Mg 279.079 (ETA AQ-Radial-iFR)	43.200 ppm	2,889 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.062 ppm	1,069 cps
V 292.402 (ETA AQ-Axial-iFR)	0.553 ppm	1,526 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.669 ppm	525 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.561 ppm	13,094 cps
Ca 317.933 (ETA AQ-Radial-iFR)	112.334 ppm	29,065 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.533 ppm	1,667 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.055 ppm	173 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.560 ppm	1,955 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.560 ppm	5,199 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.503 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.711 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.888 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.879 ppm	32,725 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.133 ppm	25,874 cps
Na 589.592 (ETA AQ-Radial-iFR)	75.842 ppm	53,215 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.548 ppm	1,720 cps
K 766.490 (ETA AQ-Radial-iFR)	28.352 ppm	4,546 cps
Na 818.326 (ETA AQ-Radial-iFR)	74.340 ppm	1,410 cps

Label: 480-223647-A-3-E MS #: 78
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:45:41 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	13.734 ppm	420 cps
As 189.042 (ETA AQ-Axial-iFR)	1.006 ppm	89 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.050 ppm	159 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.031 ppm	89 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.972 ppm	70 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.522 ppm	240 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.532 ppm	339 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.518 ppm	47 cps
B 208.959 (ETA AQ-Axial-iFR)	0.548 ppm	144 cps
P 213.618 (ETA AQ-Axial-iFR)	10.679 ppm	852 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.529 ppm	63 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 224.306 (ETA AQ-Axial-iFR)	98.501 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.825 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.528 ppm	282 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.528 ppm	580 cps
In 230.606 (ETA AQ-Axial-iFR)	101.254 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.540 ppm	209 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.546 ppm	2,040 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.292 ppm	6,606 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.539 ppm	637 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.661 ppm	128 cps
Mg 279.079 (ETA AQ-Radial-iFR)	42.806 ppm	2,862 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.217 ppm	1,090 cps
V 292.402 (ETA AQ-Axial-iFR)	0.539 ppm	1,487 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.574 ppm	516 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.549 ppm	12,807 cps
Ca 317.933 (ETA AQ-Radial-iFR)	114.718 ppm	29,682 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.521 ppm	1,629 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.054 ppm	171 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.546 ppm	1,906 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.547 ppm	5,073 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.876 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.052 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.918 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.875 ppm	32,594 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.115 ppm	25,464 cps
Na 589.592 (ETA AQ-Radial-iFR)	76.701 ppm	53,818 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.543 ppm	1,705 cps
K 766.490 (ETA AQ-Radial-iFR)	28.034 ppm	4,495 cps
Na 818.326 (ETA AQ-Radial-iFR)	75.794 ppm	1,438 cps

Label: 480-223647-A-3-F MSD #: 79
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:47:34 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	13.498 ppm	413 cps
As 189.042 (ETA AQ-Axial-iFR)	0.993 ppm	88 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.042 ppm	158 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.018 ppm	88 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.963 ppm	69 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.518 ppm	238 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.527 ppm	335 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.516 ppm	47 cps
B 208.959 (ETA AQ-Axial-iFR)	0.542 ppm	142 cps
P 213.618 (ETA AQ-Axial-iFR)	10.587 ppm	844 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.522 ppm	62 cps
Y 224.306 (ETA AQ-Axial-iFR)	97.756 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	90.750 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.524 ppm	279 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.523 ppm	575 cps
In 230.606 (ETA AQ-Axial-iFR)	100.890 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.533 ppm	206 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.540 ppm	2,016 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.226 ppm	6,537 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.533 ppm	630 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.580 ppm	127 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Mg 279.079 (ETA AQ-Radial-iFR)	42.103 ppm	2,815 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.025 ppm	1,064 cps
V 292.402 (ETA AQ-Axial-iFR)	0.534 ppm	1,474 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.472 ppm	507 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.541 ppm	12,632 cps
Ca 317.933 (ETA AQ-Radial-iFR)	111.963 ppm	28,969 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.515 ppm	1,610 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.053 ppm	168 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.539 ppm	1,884 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.539 ppm	5,008 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.305 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.637 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.554 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.857 ppm	31,917 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.094 ppm	24,989 cps
Na 589.592 (ETA AQ-Radial-iFR)	74.616 ppm	52,355 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.532 ppm	1,669 cps
K 766.490 (ETA AQ-Radial-iFR)	27.519 ppm	4,413 cps
Na 818.326 (ETA AQ-Radial-iFR)	73.615 ppm	1,397 cps

Label: 480-223647-A-4-B #: 80
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:49:28 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	8.153 ppm	250 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.017 ppm	5 cps
P 213.618 (ETA AQ-Axial-iFR)	0.026 ppm	0 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.411 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.759 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.262 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.024 ppm	92 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.260 ppm	274 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.209 ppm	5 cps
Mg 279.079 (ETA AQ-Radial-iFR)	15.667 ppm	1,048 cps
Si 288.158 (ETA AQ-Radial-iFR)	6.932 ppm	918 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.175 ppm	18 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	86.514 ppm	22,384 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	3 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.003 ppm	7 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.003 ppm	22 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 360.073 (ETA AQ-Axial-iFR)	102.416 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.690 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.722 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.323 ppm	12,007 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.044 ppm	995 cps
Na 589.592 (ETA AQ-Radial-iFR)	48.197 ppm	33,819 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.004 ppm	10 cps
K 766.490 (ETA AQ-Radial-iFR)	1.046 ppm	171 cps
Na 818.326 (ETA AQ-Radial-iFR)	47.404 ppm	898 cps

Label: 480-223220-D-2-G #: 81
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:51:22 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	2.281 ppm	72 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.002 ppm	2 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.016 ppm	5 cps
P 213.618 (ETA AQ-Axial-iFR)	0.017 ppm	0 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.553 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	94.575 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	104.189 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.079 ppm	293 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.381 ppm	401 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.336 ppm	8 cps
Mg 279.079 (ETA AQ-Radial-iFR)	1.381 ppm	92 cps
Si 288.158 (ETA AQ-Radial-iFR)	2.278 ppm	304 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.016 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	4.774 ppm	1,241 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.001 ppm	4 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.738 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.097 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	95.162 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.041 ppm	1,528 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.009 ppm	198 cps
Na 589.592 (ETA AQ-Radial-iFR)	24.316 ppm	17,064 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	2 cps
K 766.490 (ETA AQ-Radial-iFR)	1.813 ppm	293 cps
Na 818.326 (ETA AQ-Radial-iFR)	23.836 ppm	449 cps

Label: rinse #: 82
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 7:53:16 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.100 ppm	6 cps
As 189.042 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.856 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.897 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	102.850 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.021 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.001 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	-0.006 ppm	2 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	-0.003 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.000 ppm	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.689 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.106 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.802 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.031 ppm	24 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.055 ppm	12 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.015 ppm	-4 cps

Label: CCV-8053377 #: 83
Analysis Type: QC Analysis started at: 9/25/2024 7:55:09 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	25.150 ppm	100.600 %
As 189.042 (ETA AQ-Axial-iFR)	0.991 ppm	99.060 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.033 ppm	103.317 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Tl 190.856 (ETA AQ-Axial-iFR)	0.991 ppm	99.076 %
Se 196.090 (ETA AQ-Axial-iFR)	0.987 ppm	98.682 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.031 ppm	103.086 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.081 ppm	108.145 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.029 ppm	102.920 %
B 208.959 (ETA AQ-Axial-iFR)	1.040 ppm	103.983 %
P 213.618 (ETA AQ-Axial-iFR)	26.322 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.028 ppm	102.768 %
Y 224.306 (ETA AQ-Axial-iFR)	100.371 %	
Y 224.306 (ETA AQ-Radial-iFR)	90.683 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.038 ppm	103.761 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.058 ppm	105.808 %
In 230.606 (ETA AQ-Axial-iFR)	105.110 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.044 ppm	104.404 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.044 ppm	104.415 %
Fe 259.940 (ETA AQ-Axial-iFR)	55.860 ppm	111.719 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.080 ppm	107.964 %
Fe 271.441 (ETA AQ-Radial-iFR)	53.230 ppm	106.460 %
Mg 279.079 (ETA AQ-Radial-iFR)	53.290 ppm	106.579 %
Si 288.158 (ETA AQ-Radial-iFR)	10.618 ppm	106.183 %
V 292.402 (ETA AQ-Axial-iFR)	1.066 ppm	106.584 %
Al 308.215 (ETA AQ-Radial-iFR)	52.668 ppm	105.337 %
Be 313.042 (ETA AQ-Radial-iFR)	1.060 ppm	105.975 %
Ca 317.933 (ETA AQ-Radial-iFR)	53.622 ppm	107.244 %
Cu 327.396 (ETA AQ-Axial-iFR)	1.006 ppm	100.559 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.990 ppm	98.999 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.074 ppm	107.407 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.073 ppm	107.271 %
Y 360.073 (ETA AQ-Axial-iFR)	104.730 %	
Y 360.073 (ETA AQ-Radial-iFR)	92.290 %	
Y 377.433 (ETA AQ-Radial-iFR)	92.032 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.055 ppm	105.523 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.048 ppm	104.826 %
Na 589.592 (ETA AQ-Radial-iFR)	52.608 ppm	105.217 %
Li 670.784 (ETA AQ-Radial-iFR)	1.054 ppm	105.406 %
K 766.490 (ETA AQ-Radial-iFR)	52.330 ppm	104.660 %
Na 818.326 (ETA AQ-Radial-iFR)	51.575 ppm	103.150 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	767 cps
As 189.042 (ETA AQ-Axial-iFR)	88 cps
Sn 189.989 (ETA AQ-Axial-iFR)	156 cps
Tl 190.856 (ETA AQ-Axial-iFR)	86 cps
Se 196.090 (ETA AQ-Axial-iFR)	71 cps
Mo 202.030 (ETA AQ-Axial-iFR)	474 cps
Zn 206.200 (ETA AQ-Axial-iFR)	686 cps
Sb 206.833 (ETA AQ-Axial-iFR)	92 cps
B 208.959 (ETA AQ-Axial-iFR)	272 cps
P 213.618 (ETA AQ-Axial-iFR)	2,102 cps
Pb 220.353 (ETA AQ-Axial-iFR)	122 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	555 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,160 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	405 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,881 cps
Fe 259.940 (ETA AQ-Axial-iFR)	58,623 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Cr 267.716 (ETA AQ-Axial-iFR)	1,277 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,196 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,563 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,409 cps
V 292.402 (ETA AQ-Axial-iFR)	2,944 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,863 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,725 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,882 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,142 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,278 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,757 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,959 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,300 cps
Ba 455.403 (ETA AQ-Radial-iFR)	23,947 cps
Na 589.592 (ETA AQ-Radial-iFR)	36,914 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,310 cps
K 766.490 (ETA AQ-Radial-iFR)	8,389 cps
Na 818.326 (ETA AQ-Radial-iFR)	977 cps

Label: CCB-8053365 #: 84
Analysis Type: QC Analysis started at: 9/25/2024 7:57:04 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.100 ppm	50.215 %
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	12.057 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	3.282 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.003 ppm	14.169 %
Se 196.090 (ETA AQ-Axial-iFR)	0.001 ppm	2.473 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	7.295 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	2.790 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.001 ppm	-5.193 %
B 208.959 (ETA AQ-Axial-iFR)	0.002 ppm	10.301 %
P 213.618 (ETA AQ-Axial-iFR)	0.007 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	-16.560 %
Y 224.306 (ETA AQ-Axial-iFR)	100.802 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.951 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	11.737 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-12.528 %
In 230.606 (ETA AQ-Axial-iFR)	103.042 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1.704 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.016 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.001 ppm	0.061 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-5.576 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.003 ppm	-5.128 %
Mg 279.079 (ETA AQ-Radial-iFR)	-0.001 ppm	-0.469 %
Si 288.158 (ETA AQ-Radial-iFR)	0.003 ppm	0.548 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	0.036 %
Al 308.215 (ETA AQ-Radial-iFR)	-0.001 ppm	-0.393 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	3.061 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.000 ppm	-0.011 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-0.700 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	5.913 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	7.183 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.001 %
Y 360.073 (ETA AQ-Axial-iFR)	103.105 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.481 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.433 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	1.016 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	-2.473 %
Na 589.592 (ETA AQ-Radial-iFR)	0.039 ppm	3.915 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	1.272 %
K 766.490 (ETA AQ-Radial-iFR)	0.077 ppm	15.319 %
Na 818.326 (ETA AQ-Radial-iFR)	-0.011 ppm	-1.071 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	6 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	1 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	3 cps
V 292.402 (ETA AQ-Axial-iFR)	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	-1 cps
Na 589.592 (ETA AQ-Radial-iFR)	30 cps
Li 670.784 (ETA AQ-Radial-iFR)	0 cps
K 766.490 (ETA AQ-Radial-iFR)	15 cps
Na 818.326 (ETA AQ-Radial-iFR)	-4 cps

Label: CCVL-8053374 #: 85
Analysis Type: QC Analysis started at: 9/25/2024 7:58:58 PM

Basic Sample Report

9/26/2024 8:25:10 AM

QTEGRA

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.298 ppm	149.139 %
As 189.042 (ETA AQ-Axial-iFR)	0.016 ppm	107.817 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.011 ppm	109.164 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.022 ppm	107.560 %
Se 196.090 (ETA AQ-Axial-iFR)	0.020 ppm	79.297 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	103.411 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	112.578 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.018 ppm	91.742 %
B 208.959 (ETA AQ-Axial-iFR)	0.021 ppm	104.849 %
P 213.618 (ETA AQ-Axial-iFR)	0.009 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.009 ppm	92.564 %
Y 224.306 (ETA AQ-Axial-iFR)	100.938 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.008 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.005 ppm	115.837 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	92.188 %
In 230.606 (ETA AQ-Axial-iFR)	103.060 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.012 ppm	115.768 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	101.627 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.057 ppm	113.050 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	109.082 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.039 ppm	78.198 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.209 ppm	104.383 %
Si 288.158 (ETA AQ-Radial-iFR)	0.506 ppm	101.295 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	109.201 %
Al 308.215 (ETA AQ-Radial-iFR)	0.197 ppm	98.544 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	106.859 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.525 ppm	105.060 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.010 ppm	95.106 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.006 ppm	106.752 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	103.303 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	98.170 %
Y 360.073 (ETA AQ-Axial-iFR)	102.936 %	
Y 360.073 (ETA AQ-Radial-iFR)	94.792 %	
Y 377.433 (ETA AQ-Radial-iFR)	94.622 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	104.345 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	103.511 %
Na 589.592 (ETA AQ-Radial-iFR)	1.078 ppm	107.848 %
Li 670.784 (ETA AQ-Radial-iFR)	0.031 ppm	102.630 %
K 766.490 (ETA AQ-Radial-iFR)	0.582 ppm	116.492 %
Na 818.326 (ETA AQ-Radial-iFR)	0.949 ppm	94.933 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	12 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	4 cps
Mn 257.610 (ETA AQ-Radial-iFR)	12 cps
Fe 259.940 (ETA AQ-Axial-iFR)	60 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14 cps
Si 288.158 (ETA AQ-Radial-iFR)	70 cps
V 292.402 (ETA AQ-Axial-iFR)	13 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	48 cps
Ca 317.933 (ETA AQ-Radial-iFR)	142 cps
Cu 327.396 (ETA AQ-Axial-iFR)	31 cps
Ag 328.068 (ETA AQ-Axial-iFR)	21 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	44 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	185 cps
Ba 455.403 (ETA AQ-Radial-iFR)	47 cps
Na 589.592 (ETA AQ-Radial-iFR)	759 cps
Li 670.784 (ETA AQ-Radial-iFR)	95 cps
K 766.490 (ETA AQ-Radial-iFR)	96 cps
Na 818.326 (ETA AQ-Radial-iFR)	14 cps

Label: MB 480-726029/1-B #: 86
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:00:53 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.094 ppm	6 cps
As 189.042 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.003 ppm	2 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.310 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	95.733 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	103.549 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.004 ppm	5 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.033 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.008 ppm	1 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.005 ppm	4 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Al 308.215 (ETA AQ-Radial-iFR)	-0.008 ppm	1 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.014 ppm	10 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.800 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	96.845 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	96.576 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-7 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.059 ppm	44 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.060 ppm	13 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.023 ppm	-5 cps

Label: LCS 480-726029/2-B #: 87
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:02:47 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	5.123 ppm	159 cps
As 189.042 (ETA AQ-Axial-iFR)	0.968 ppm	86 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.022 ppm	155 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.985 ppm	85 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.935 ppm	67 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.509 ppm	234 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.536 ppm	340 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.504 ppm	45 cps
B 208.959 (ETA AQ-Axial-iFR)	0.506 ppm	133 cps
P 213.618 (ETA AQ-Axial-iFR)	10.175 ppm	811 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.514 ppm	61 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.333 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.406 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.520 ppm	277 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.514 ppm	565 cps
In 230.606 (ETA AQ-Axial-iFR)	103.612 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.531 ppm	206 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.514 ppm	1,918 cps
Fe 259.940 (ETA AQ-Axial-iFR)	5.937 ppm	6,234 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.532 ppm	630 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.331 ppm	121 cps
Mg 279.079 (ETA AQ-Radial-iFR)	25.725 ppm	1,720 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.033 ppm	142 cps
V 292.402 (ETA AQ-Axial-iFR)	0.530 ppm	1,463 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.186 ppm	480 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.532 ppm	12,413 cps
Ca 317.933 (ETA AQ-Radial-iFR)	26.495 ppm	6,862 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.495 ppm	1,547 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.052 ppm	164 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.531 ppm	1,855 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.532 ppm	4,941 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.319 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.065 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.769 %	3,241 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Sr 407.771 (ETA AQ-Radial-iFR)	0.535 ppm	19,930 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.045 ppm	23,863 cps
Na 589.592 (ETA AQ-Radial-iFR)	25.979 ppm	18,230 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.515 ppm	1,618 cps
K 766.490 (ETA AQ-Radial-iFR)	25.700 ppm	4,121 cps
Na 818.326 (ETA AQ-Radial-iFR)	25.505 ppm	481 cps

Label: LCSD 480-726029/3-B #: 88
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:04:41 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	4.998 ppm	155 cps
As 189.042 (ETA AQ-Axial-iFR)	0.947 ppm	84 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.000 ppm	151 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.960 ppm	83 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.912 ppm	65 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.498 ppm	229 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.523 ppm	331 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.487 ppm	44 cps
B 208.959 (ETA AQ-Axial-iFR)	0.491 ppm	129 cps
P 213.618 (ETA AQ-Axial-iFR)	9.950 ppm	793 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.505 ppm	60 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.782 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.474 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.511 ppm	273 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.503 ppm	553 cps
In 230.606 (ETA AQ-Axial-iFR)	103.896 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.523 ppm	203 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.505 ppm	1,885 cps
Fe 259.940 (ETA AQ-Axial-iFR)	5.792 ppm	6,082 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.525 ppm	621 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.213 ppm	118 cps
Mg 279.079 (ETA AQ-Radial-iFR)	25.174 ppm	1,683 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.008 ppm	139 cps
V 292.402 (ETA AQ-Axial-iFR)	0.520 ppm	1,434 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.085 ppm	471 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.521 ppm	12,164 cps
Ca 317.933 (ETA AQ-Radial-iFR)	25.818 ppm	6,687 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.483 ppm	1,511 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.051 ppm	161 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.523 ppm	1,825 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.523 ppm	4,857 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.426 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.476 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	95.002 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.524 ppm	19,494 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.022 ppm	23,357 cps
Na 589.592 (ETA AQ-Radial-iFR)	25.328 ppm	17,773 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.503 ppm	1,578 cps
K 766.490 (ETA AQ-Radial-iFR)	25.045 ppm	4,016 cps
Na 818.326 (ETA AQ-Radial-iFR)	24.800 ppm	468 cps

Label: 480-223639-B-1-B #: 89
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:06:35 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	14.604 ppm	446 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.007 ppm	5 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.016 ppm	5 cps
P 213.618 (ETA AQ-Axial-iFR)	0.026 ppm	0 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.182 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.802 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	104.378 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.001 ppm	3 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.025 ppm	27 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.002 ppm	2 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.022 ppm	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	10.423 ppm	697 cps
Si 288.158 (ETA AQ-Radial-iFR)	6.587 ppm	872 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.042 ppm	6 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	56.640 ppm	14,656 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.003 ppm	11 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.001 ppm	9 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.244 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.440 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	95.200 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.232 ppm	8,625 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.003 ppm	74 cps
Na 589.592 (ETA AQ-Radial-iFR)	21.938 ppm	15,395 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.002 ppm	5 cps
K 766.490 (ETA AQ-Radial-iFR)	1.691 ppm	274 cps
Na 818.326 (ETA AQ-Radial-iFR)	21.336 ppm	402 cps

Label: 480-223639-B-1-B #: 90
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:08:29 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	3.056 ppm	96 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.013 ppm	6 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.007 ppm	2 cps
P 213.618 (ETA AQ-Axial-iFR)	0.013 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	99.239 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.539 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.498 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.006 ppm	8 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.022 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	2.205 ppm	147 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.368 ppm	184 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.044 ppm	6 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	11.928 ppm	3,091 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.001 ppm	4 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	-2 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.244 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.582 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.356 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.048 ppm	1,788 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.001 ppm	22 cps
Na 589.592 (ETA AQ-Radial-iFR)	4.550 ppm	3,195 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.393 ppm	66 cps
Na 818.326 (ETA AQ-Radial-iFR)	4.490 ppm	81 cps

Label: 480-223639-B-1-B #: 91
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:10:24 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	20.100 ppm	613 cps
As 189.042 (ETA AQ-Axial-iFR)	1.020 ppm	91 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.054 ppm	160 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1.027 ppm	89 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.981 ppm	70 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.529 ppm	243 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.528 ppm	336 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.515 ppm	46 cps
B 208.959 (ETA AQ-Axial-iFR)	0.538 ppm	141 cps
P 213.618 (ETA AQ-Axial-iFR)	10.938 ppm	872 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.534 ppm	63 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.865 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.941 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.536 ppm	286 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.538 ppm	591 cps
In 230.606 (ETA AQ-Axial-iFR)	102.519 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.547 ppm	212 cps

Basic Sample Report
9/26/2024 8:25:10 AM

QTEGRA

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Mn 257.610 (ETA AQ-Radial-iFR)	0.530 ppm	1,979 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.210 ppm	6,521 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.548 ppm	648 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.485 ppm	124 cps
Mg 279.079 (ETA AQ-Radial-iFR)	37.246 ppm	2,491 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.721 ppm	1,024 cps
V 292.402 (ETA AQ-Axial-iFR)	0.547 ppm	1,509 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.487 ppm	508 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.552 ppm	12,869 cps
Ca 317.933 (ETA AQ-Radial-iFR)	82.478 ppm	21,343 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.532 ppm	1,661 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.053 ppm	167 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.550 ppm	1,922 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.552 ppm	5,127 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.009 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.428 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.908 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.778 ppm	28,975 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.087 ppm	24,838 cps
Na 589.592 (ETA AQ-Radial-iFR)	48.798 ppm	34,241 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.540 ppm	1,695 cps
K 766.490 (ETA AQ-Radial-iFR)	28.604 ppm	4,587 cps
Na 818.326 (ETA AQ-Radial-iFR)	47.675 ppm	903 cps

Label: 480-223639-B-1-C MS #: 92
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:12:18 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	19.858 ppm	606 cps
As 189.042 (ETA AQ-Axial-iFR)	0.970 ppm	86 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.012 ppm	153 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.978 ppm	84 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.938 ppm	67 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.505 ppm	232 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.518 ppm	329 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.502 ppm	45 cps
B 208.959 (ETA AQ-Axial-iFR)	0.523 ppm	137 cps
P 213.618 (ETA AQ-Axial-iFR)	10.265 ppm	819 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.516 ppm	61 cps
Y 224.306 (ETA AQ-Axial-iFR)	99.549 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.325 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.513 ppm	274 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.515 ppm	566 cps
In 230.606 (ETA AQ-Axial-iFR)	102.966 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.526 ppm	204 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.508 ppm	1,897 cps
Fe 259.940 (ETA AQ-Axial-iFR)	5.923 ppm	6,219 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.525 ppm	621 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.256 ppm	119 cps
Mg 279.079 (ETA AQ-Radial-iFR)	36.027 ppm	2,409 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.670 ppm	1,018 cps
V 292.402 (ETA AQ-Axial-iFR)	0.525 ppm	1,449 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.212 ppm	483 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.528 ppm	12,325 cps
Ca 317.933 (ETA AQ-Radial-iFR)	82.069 ppm	21,237 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Cu 327.396 (ETA AQ-Axial-iFR)	0.508 ppm	1,588 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.052 ppm	163 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.527 ppm	1,841 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.529 ppm	4,915 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.553 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.066 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.532 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.757 ppm	28,182 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.044 ppm	23,846 cps
Na 589.592 (ETA AQ-Radial-iFR)	47.782 ppm	33,528 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.518 ppm	1,625 cps
K 766.490 (ETA AQ-Radial-iFR)	27.339 ppm	4,384 cps
Na 818.326 (ETA AQ-Radial-iFR)	46.803 ppm	886 cps

Label: 480-223639-B-1-D MSD #: 93
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:14:12 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	20.106 ppm	613 cps
As 189.042 (ETA AQ-Axial-iFR)	0.981 ppm	87 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.009 ppm	153 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.988 ppm	85 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.936 ppm	67 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.506 ppm	232 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.518 ppm	329 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.503 ppm	45 cps
B 208.959 (ETA AQ-Axial-iFR)	0.524 ppm	137 cps
P 213.618 (ETA AQ-Axial-iFR)	10.312 ppm	822 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.512 ppm	61 cps
Y 224.306 (ETA AQ-Axial-iFR)	99.219 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.689 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.514 ppm	274 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.518 ppm	569 cps
In 230.606 (ETA AQ-Axial-iFR)	102.857 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.524 ppm	203 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.509 ppm	1,901 cps
Fe 259.940 (ETA AQ-Axial-iFR)	5.977 ppm	6,276 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.525 ppm	621 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.302 ppm	120 cps
Mg 279.079 (ETA AQ-Radial-iFR)	36.367 ppm	2,432 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.747 ppm	1,028 cps
V 292.402 (ETA AQ-Axial-iFR)	0.524 ppm	1,447 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.270 ppm	488 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.531 ppm	12,389 cps
Ca 317.933 (ETA AQ-Radial-iFR)	83.050 ppm	21,491 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.510 ppm	1,594 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.051 ppm	161 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.527 ppm	1,840 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.529 ppm	4,910 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.581 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.140 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.640 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.764 ppm	28,446 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.052 ppm	24,037 cps
Na 589.592 (ETA AQ-Radial-iFR)	48.310 ppm	33,898 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Li 670.784 (ETA AQ-Radial-iFR)	0.523 ppm	1,641 cps
K 766.490 (ETA AQ-Radial-iFR)	27.628 ppm	4,430 cps
Na 818.326 (ETA AQ-Radial-iFR)	47.078 ppm	892 cps

Label: rinse #: 94
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:16:06 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.077 ppm	5 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.152 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	95.240 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	103.388 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.022 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.001 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	-0.001 ppm	3 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	-0.003 ppm	1 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.001 ppm	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.248 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	96.505 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	95.938 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-9 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.031 ppm	24 cps
Li 670.784 (ETA AQ-Radial-iFR)	-0.001 ppm	-3 cps
K 766.490 (ETA AQ-Radial-iFR)	0.053 ppm	11 cps
Na 818.326 (ETA AQ-Radial-iFR)	-0.067 ppm	-5 cps

Label: CCV-8053377 #: 95
Analysis Type: QC Analysis started at: 9/25/2024 8:18:00 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	25.207 ppm	100.826 %
As 189.042 (ETA AQ-Axial-iFR)	0.988 ppm	98.799 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.018 ppm	101.828 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.971 ppm	97.118 %
Se 196.090 (ETA AQ-Axial-iFR)	0.980 ppm	97.953 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.019 ppm	101.870 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.084 ppm	108.436 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.031 ppm	103.068 %
B 208.959 (ETA AQ-Axial-iFR)	1.037 ppm	103.737 %
P 213.618 (ETA AQ-Axial-iFR)	26.265 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.011 ppm	101.149 %
Y 224.306 (ETA AQ-Axial-iFR)	100.812 %	
Y 224.306 (ETA AQ-Radial-iFR)	92.953 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.027 ppm	102.746 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.058 ppm	105.791 %
In 230.606 (ETA AQ-Axial-iFR)	106.175 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.033 ppm	103.275 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.051 ppm	105.142 %
Fe 259.940 (ETA AQ-Axial-iFR)	55.579 ppm	111.158 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.077 ppm	107.706 %
Fe 271.441 (ETA AQ-Radial-iFR)	53.553 ppm	107.106 %
Mg 279.079 (ETA AQ-Radial-iFR)	52.178 ppm	104.356 %
Si 288.158 (ETA AQ-Radial-iFR)	10.601 ppm	106.012 %
V 292.402 (ETA AQ-Axial-iFR)	1.063 ppm	106.330 %
Al 308.215 (ETA AQ-Radial-iFR)	52.503 ppm	105.007 %
Be 313.042 (ETA AQ-Radial-iFR)	1.069 ppm	106.943 %
Ca 317.933 (ETA AQ-Radial-iFR)	53.726 ppm	107.452 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.997 ppm	99.679 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.983 ppm	98.340 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.074 ppm	107.401 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.072 ppm	107.210 %
Y 360.073 (ETA AQ-Axial-iFR)	104.504 %	
Y 360.073 (ETA AQ-Radial-iFR)	94.408 %	
Y 377.433 (ETA AQ-Radial-iFR)	93.511 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.065 ppm	106.514 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.072 ppm	107.238 %
Na 589.592 (ETA AQ-Radial-iFR)	52.747 ppm	105.495 %
Li 670.784 (ETA AQ-Radial-iFR)	1.055 ppm	105.459 %
K 766.490 (ETA AQ-Radial-iFR)	52.085 ppm	104.170 %
Na 818.326 (ETA AQ-Radial-iFR)	51.934 ppm	103.867 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	768 cps
As 189.042 (ETA AQ-Axial-iFR)	88 cps
Sn 189.989 (ETA AQ-Axial-iFR)	154 cps
Tl 190.856 (ETA AQ-Axial-iFR)	84 cps
Se 196.090 (ETA AQ-Axial-iFR)	70 cps
Mo 202.030 (ETA AQ-Axial-iFR)	468 cps
Zn 206.200 (ETA AQ-Axial-iFR)	688 cps
Sb 206.833 (ETA AQ-Axial-iFR)	92 cps
B 208.959 (ETA AQ-Axial-iFR)	272 cps
P 213.618 (ETA AQ-Axial-iFR)	2,097 cps
Pb 220.353 (ETA AQ-Axial-iFR)	120 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	549 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,160 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Ni 231.604 (ETA AQ-Axial-iFR)	401 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,909 cps
Fe 259.940 (ETA AQ-Axial-iFR)	58,329 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,274 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,203 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,489 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,407 cps
V 292.402 (ETA AQ-Axial-iFR)	2,937 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,848 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,951 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,909 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,114 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,256 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,756 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,954 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,669 cps
Ba 455.403 (ETA AQ-Radial-iFR)	24,498 cps
Na 589.592 (ETA AQ-Radial-iFR)	37,011 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,312 cps
K 766.490 (ETA AQ-Radial-iFR)	8,350 cps
Na 818.326 (ETA AQ-Radial-iFR)	984 cps

Label: CCB-8053365 #: 96
Analysis Type: QC Analysis started at: 9/25/2024 8:19:56 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.082 ppm	41.165 %
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	21.404 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	7.602 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	28.509 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	-10.317 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	3.035 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	2.138 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	-15.133 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	13.560 %
P 213.618 (ETA AQ-Axial-iFR)	0.007 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.001 ppm	14.446 %
Y 224.306 (ETA AQ-Axial-iFR)	100.250 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.684 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	9.189 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-8.729 %
In 230.606 (ETA AQ-Axial-iFR)	102.942 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	0.479 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.017 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.001 ppm	0.061 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-0.363 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.026 ppm	-51.487 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.001 ppm	0.680 %
Si 288.158 (ETA AQ-Radial-iFR)	0.007 ppm	1.359 %
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	0.056 %
Al 308.215 (ETA AQ-Radial-iFR)	0.004 ppm	1.948 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	1.724 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Ca 317.933 (ETA AQ-Radial-iFR)	-0.002 ppm	-0.350 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-2.394 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	-1.431 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	6.095 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.007 %
Y 360.073 (ETA AQ-Axial-iFR)	102.700 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.526 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.228 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.548 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	0.994 %
Na 589.592 (ETA AQ-Radial-iFR)	0.029 ppm	2.919 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0.021 %
K 766.490 (ETA AQ-Radial-iFR)	0.070 ppm	14.046 %
Na 818.326 (ETA AQ-Radial-iFR)	0.002 ppm	0.153 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	5 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	4 cps
V 292.402 (ETA AQ-Axial-iFR)	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	5 cps
Cu 327.396 (ETA AQ-Axial-iFR)	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	-1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-1 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-9 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0 cps
Na 589.592 (ETA AQ-Radial-iFR)	23 cps
Li 670.784 (ETA AQ-Radial-iFR)	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	14 cps
Na 818.326 (ETA AQ-Radial-iFR)	-4 cps

Basic Sample Report

9/26/2024 8:25:10 AM

QTEGRA

Label: CCVL-8053374 #: 97
Analysis Type: QC Analysis started at: 9/25/2024 8:21:50 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.275 ppm	137.711 %
As 189.042 (ETA AQ-Axial-iFR)	0.016 ppm	107.846 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.010 ppm	99.367 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.021 ppm	106.494 %
Se 196.090 (ETA AQ-Axial-iFR)	0.017 ppm	69.984 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	104.446 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.012 ppm	115.690 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.017 ppm	82.703 %
B 208.959 (ETA AQ-Axial-iFR)	0.021 ppm	105.774 %
P 213.618 (ETA AQ-Axial-iFR)	0.008 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.009 ppm	88.172 %
Y 224.306 (ETA AQ-Axial-iFR)	100.157 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.529 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.004 ppm	110.868 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	90.606 %
In 230.606 (ETA AQ-Axial-iFR)	102.705 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.011 ppm	106.826 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	94.337 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.057 ppm	113.618 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	101.947 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.033 ppm	66.222 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.210 ppm	104.980 %
Si 288.158 (ETA AQ-Radial-iFR)	0.504 ppm	100.757 %
V 292.402 (ETA AQ-Axial-iFR)	0.006 ppm	115.296 %
Al 308.215 (ETA AQ-Radial-iFR)	0.201 ppm	100.281 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	105.181 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.519 ppm	103.773 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	93.423 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.007 ppm	109.401 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	103.987 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	98.501 %
Y 360.073 (ETA AQ-Axial-iFR)	102.425 %	
Y 360.073 (ETA AQ-Radial-iFR)	96.009 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.690 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	103.547 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	104.576 %
Na 589.592 (ETA AQ-Radial-iFR)	1.070 ppm	106.982 %
Li 670.784 (ETA AQ-Radial-iFR)	0.031 ppm	103.318 %
K 766.490 (ETA AQ-Radial-iFR)	0.559 ppm	111.721 %
Na 818.326 (ETA AQ-Radial-iFR)	1.027 ppm	102.652 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	11 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	11 cps
Fe 259.940 (ETA AQ-Axial-iFR)	61 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14 cps
Si 288.158 (ETA AQ-Radial-iFR)	70 cps
V 292.402 (ETA AQ-Axial-iFR)	14 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	47 cps
Ca 317.933 (ETA AQ-Radial-iFR)	140 cps
Cu 327.396 (ETA AQ-Axial-iFR)	31 cps
Ag 328.068 (ETA AQ-Axial-iFR)	22 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	44 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	183 cps
Ba 455.403 (ETA AQ-Radial-iFR)	48 cps
Na 589.592 (ETA AQ-Radial-iFR)	753 cps
Li 670.784 (ETA AQ-Radial-iFR)	96 cps
K 766.490 (ETA AQ-Radial-iFR)	92 cps
Na 818.326 (ETA AQ-Radial-iFR)	15 cps

Label: MB 480-726052/1-A #: 98
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:23:46 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.077 ppm	5 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.004 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.008 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.102 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	94.737 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.782 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.010 ppm	12 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.003 ppm	0 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Mg 279.079 (ETA AQ-Radial-iFR)	-0.005 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	-0.001 ppm	3 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.012 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	0.007 ppm	8 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.008 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	96.586 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	96.473 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.029 ppm	23 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
K 766.490 (ETA AQ-Radial-iFR)	0.051 ppm	11 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.020 ppm	-4 cps

Label: LCS 480-726052/2-A #: 99
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:25:40 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	5.234 ppm	162 cps
As 189.042 (ETA AQ-Axial-iFR)	0.987 ppm	88 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.030 ppm	156 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.997 ppm	86 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.953 ppm	68 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.517 ppm	237 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.538 ppm	341 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.515 ppm	46 cps
B 208.959 (ETA AQ-Axial-iFR)	0.518 ppm	136 cps
P 213.618 (ETA AQ-Axial-iFR)	10.452 ppm	833 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.523 ppm	62 cps
Y 224.306 (ETA AQ-Axial-iFR)	99.653 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.513 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.528 ppm	282 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.525 ppm	577 cps
In 230.606 (ETA AQ-Axial-iFR)	103.169 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.539 ppm	209 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.522 ppm	1,949 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.073 ppm	6,376 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.540 ppm	639 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.420 ppm	123 cps
Mg 279.079 (ETA AQ-Radial-iFR)	26.174 ppm	1,750 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.046 ppm	144 cps
V 292.402 (ETA AQ-Axial-iFR)	0.538 ppm	1,486 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.292 ppm	490 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.541 ppm	12,632 cps
Ca 317.933 (ETA AQ-Radial-iFR)	26.964 ppm	6,983 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.506 ppm	1,582 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.052 ppm	164 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.540 ppm	1,887 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.542 ppm	5,028 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 360.073 (ETA AQ-Axial-iFR)	103.981 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.761 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.344 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.545 ppm	20,291 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.072 ppm	24,479 cps
Na 589.592 (ETA AQ-Radial-iFR)	26.529 ppm	18,616 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.529 ppm	1,662 cps
K 766.490 (ETA AQ-Radial-iFR)	26.199 ppm	4,201 cps
Na 818.326 (ETA AQ-Radial-iFR)	26.055 ppm	492 cps

Label: 240-211712-D-1-A #: 100
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:27:34 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	20.342 ppm	621 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.025 ppm	11 cps
Zn 206.200 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.176 ppm	46 cps
P 213.618 (ETA AQ-Axial-iFR)	0.022 ppm	0 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.841 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.388 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	103.717 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.012 ppm	4 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.058 ppm	217 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.260 ppm	274 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.212 ppm	5 cps
Mg 279.079 (ETA AQ-Radial-iFR)	4.867 ppm	325 cps
Si 288.158 (ETA AQ-Radial-iFR)	7.878 ppm	1,042 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.051 ppm	6 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	42.780 ppm	11,071 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.001 ppm	5 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.186 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.690 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.660 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.239 ppm	8,909 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.035 ppm	801 cps
Na 589.592 (ETA AQ-Radial-iFR)	48.968 ppm	34,360 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.020 ppm	63 cps
K 766.490 (ETA AQ-Radial-iFR)	5.814 ppm	935 cps
Na 818.326 (ETA AQ-Radial-iFR)	48.047 ppm	910 cps

Label: 240-211712-D-1-A #: 101
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:29:28 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	4.164 ppm	129 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.018 ppm	8 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.038 ppm	10 cps
P 213.618 (ETA AQ-Axial-iFR)	0.012 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.138 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.630 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.432 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.012 ppm	46 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.054 ppm	58 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.042 ppm	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	1.008 ppm	67 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.597 ppm	214 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.029 ppm	4 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	8.880 ppm	2,303 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.198 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.379 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	93.063 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.050 ppm	1,836 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.007 ppm	168 cps
Na 589.592 (ETA AQ-Radial-iFR)	10.086 ppm	7,079 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.004 ppm	12 cps
K 766.490 (ETA AQ-Radial-iFR)	1.241 ppm	202 cps
Na 818.326 (ETA AQ-Radial-iFR)	9.819 ppm	183 cps

Label: 240-211712-D-1-A #: 102
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:31:22 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	25.703 ppm	783 cps
As 189.042 (ETA AQ-Axial-iFR)	1.031 ppm	92 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.065 ppm	161 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Tl 190.856 (ETA AQ-Axial-iFR)	1.038 ppm	90 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.999 ppm	71 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.559 ppm	257 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.527 ppm	335 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.522 ppm	47 cps
B 208.959 (ETA AQ-Axial-iFR)	0.706 ppm	184 cps
P 213.618 (ETA AQ-Axial-iFR)	11.120 ppm	887 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.542 ppm	64 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.137 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.601 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.544 ppm	290 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.544 ppm	598 cps
In 230.606 (ETA AQ-Axial-iFR)	101.827 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.566 ppm	219 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.591 ppm	2,205 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.507 ppm	6,833 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.551 ppm	651 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.746 ppm	130 cps
Mg 279.079 (ETA AQ-Radial-iFR)	31.708 ppm	2,120 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.924 ppm	1,183 cps
V 292.402 (ETA AQ-Axial-iFR)	0.553 ppm	1,527 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.503 ppm	510 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.558 ppm	13,027 cps
Ca 317.933 (ETA AQ-Radial-iFR)	69.349 ppm	17,947 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.537 ppm	1,679 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.054 ppm	169 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.555 ppm	1,940 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.557 ppm	5,174 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.465 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.424 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.057 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.791 ppm	29,471 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.131 ppm	25,827 cps
Na 589.592 (ETA AQ-Radial-iFR)	75.484 ppm	52,964 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.566 ppm	1,776 cps
K 766.490 (ETA AQ-Radial-iFR)	33.030 ppm	5,296 cps
Na 818.326 (ETA AQ-Radial-iFR)	74.229 ppm	1,408 cps

Label: 240-211712-D-1-B MS #: 103
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:33:17 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	24.839 ppm	757 cps
As 189.042 (ETA AQ-Axial-iFR)	0.954 ppm	85 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.993 ppm	150 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.975 ppm	84 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.930 ppm	67 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.518 ppm	238 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.505 ppm	322 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.495 ppm	45 cps
B 208.959 (ETA AQ-Axial-iFR)	0.675 ppm	176 cps
P 213.618 (ETA AQ-Axial-iFR)	10.101 ppm	805 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.502 ppm	60 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.660 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.827 %	195 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Co 228.616 (ETA AQ-Axial-iFR)	0.506 ppm	270 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.505 ppm	556 cps
In 230.606 (ETA AQ-Axial-iFR)	101.943 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.527 ppm	204 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.552 ppm	2,060 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.069 ppm	6,372 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.512 ppm	606 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.371 ppm	122 cps
Mg 279.079 (ETA AQ-Radial-iFR)	29.856 ppm	1,996 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.722 ppm	1,156 cps
V 292.402 (ETA AQ-Axial-iFR)	0.515 ppm	1,421 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.135 ppm	476 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.517 ppm	12,070 cps
Ca 317.933 (ETA AQ-Radial-iFR)	66.600 ppm	17,236 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.496 ppm	1,551 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.050 ppm	160 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.516 ppm	1,804 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.519 ppm	4,813 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.525 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.267 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.083 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.749 ppm	27,906 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.047 ppm	23,919 cps
Na 589.592 (ETA AQ-Radial-iFR)	73.225 ppm	51,379 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.525 ppm	1,647 cps
K 766.490 (ETA AQ-Radial-iFR)	31.081 ppm	4,983 cps
Na 818.326 (ETA AQ-Radial-iFR)	71.808 ppm	1,362 cps

Label: 240-211712-D-1-C MSD #: 104
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:35:11 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	25.652 ppm	782 cps
As 189.042 (ETA AQ-Axial-iFR)	0.978 ppm	87 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.012 ppm	153 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.987 ppm	85 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.950 ppm	68 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.530 ppm	244 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.514 ppm	327 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.501 ppm	45 cps
B 208.959 (ETA AQ-Axial-iFR)	0.690 ppm	180 cps
P 213.618 (ETA AQ-Axial-iFR)	10.373 ppm	827 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.513 ppm	61 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.519 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.602 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.515 ppm	274 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.514 ppm	565 cps
In 230.606 (ETA AQ-Axial-iFR)	102.015 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.538 ppm	208 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.564 ppm	2,106 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.167 ppm	6,475 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.524 ppm	619 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.505 ppm	125 cps
Mg 279.079 (ETA AQ-Radial-iFR)	30.475 ppm	2,038 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.984 ppm	1,191 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
V 292.402 (ETA AQ-Axial-iFR)	0.525 ppm	1,448 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.259 ppm	487 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.531 ppm	12,385 cps
Ca 317.933 (ETA AQ-Radial-iFR)	68.867 ppm	17,822 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.507 ppm	1,583 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.052 ppm	163 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.528 ppm	1,843 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.530 ppm	4,922 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.285 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.930 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	93.406 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.767 ppm	28,561 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.077 ppm	24,593 cps
Na 589.592 (ETA AQ-Radial-iFR)	75.024 ppm	52,642 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.541 ppm	1,698 cps
K 766.490 (ETA AQ-Radial-iFR)	31.893 ppm	5,114 cps
Na 818.326 (ETA AQ-Radial-iFR)	73.985 ppm	1,404 cps

Label: 480-223634-E-1-A #: 105
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:37:05 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	2.089 ppm	66 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.004 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.004 ppm	2 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.447 ppm	284 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.021 ppm	6 cps
P 213.618 (ETA AQ-Axial-iFR)	0.036 ppm	1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	99.506 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.628 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	103.389 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.007 ppm	2 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.457 ppm	1,691 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.281 ppm	296 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.235 ppm	6 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3.114 ppm	208 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.715 ppm	98 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.476 ppm	46 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	8.094 ppm	2,100 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.022 ppm	72 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.007 ppm	18 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.006 ppm	56 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.386 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.303 %	2,502 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 377.433 (ETA AQ-Radial-iFR)	94.967 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.044 ppm	1,641 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.020 ppm	466 cps
Na 589.592 (ETA AQ-Radial-iFR)	29.773 ppm	20,892 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	2 cps
K 766.490 (ETA AQ-Radial-iFR)	0.805 ppm	132 cps
Na 818.326 (ETA AQ-Radial-iFR)	29.134 ppm	550 cps

Label: 480-223634-E-1-B MS #: 106
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:38:59 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	7.428 ppm	228 cps
As 189.042 (ETA AQ-Axial-iFR)	0.981 ppm	87 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1.019 ppm	154 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.996 ppm	86 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.954 ppm	68 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.516 ppm	237 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.986 ppm	626 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.511 ppm	46 cps
B 208.959 (ETA AQ-Axial-iFR)	0.538 ppm	141 cps
P 213.618 (ETA AQ-Axial-iFR)	10.498 ppm	837 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.517 ppm	61 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.856 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.590 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.524 ppm	280 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.519 ppm	571 cps
In 230.606 (ETA AQ-Axial-iFR)	102.629 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.540 ppm	209 cps
Mn 257.610 (ETA AQ-Radial-iFR)	1.000 ppm	3,717 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.262 ppm	6,575 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.531 ppm	628 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.544 ppm	126 cps
Mg 279.079 (ETA AQ-Radial-iFR)	29.171 ppm	1,951 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.822 ppm	246 cps
V 292.402 (ETA AQ-Axial-iFR)	0.531 ppm	1,465 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.744 ppm	532 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.534 ppm	12,466 cps
Ca 317.933 (ETA AQ-Radial-iFR)	35.037 ppm	9,072 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.534 ppm	1,670 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.052 ppm	165 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.540 ppm	1,887 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.542 ppm	5,029 cps
Y 360.073 (ETA AQ-Axial-iFR)	104.033 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.165 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.990 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.585 ppm	21,784 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.070 ppm	24,435 cps
Na 589.592 (ETA AQ-Radial-iFR)	58.078 ppm	40,752 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.521 ppm	1,637 cps
K 766.490 (ETA AQ-Radial-iFR)	26.749 ppm	4,289 cps
Na 818.326 (ETA AQ-Radial-iFR)	56.974 ppm	1,080 cps

Label: CCV-8053377 #: 107

Basic Sample Report

9/26/2024 8:25:10 AM

QTEGRA

Analysis Type: QC Analysis started at: 9/25/2024 8:40:54 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	25.210 ppm	100.839 %
As 189.042 (ETA AQ-Axial-iFR)	0.988 ppm	98.820 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.027 ppm	102.732 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.986 ppm	98.605 %
Se 196.090 (ETA AQ-Axial-iFR)	0.986 ppm	98.607 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.023 ppm	102.319 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.081 ppm	108.064 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.023 ppm	102.337 %
B 208.959 (ETA AQ-Axial-iFR)	1.038 ppm	103.810 %
P 213.618 (ETA AQ-Axial-iFR)	26.351 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.022 ppm	102.203 %
Y 224.306 (ETA AQ-Axial-iFR)	100.128 %	
Y 224.306 (ETA AQ-Radial-iFR)	90.614 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.034 ppm	103.449 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.055 ppm	105.492 %
In 230.606 (ETA AQ-Axial-iFR)	104.964 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.042 ppm	104.230 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.044 ppm	104.360 %
Fe 259.940 (ETA AQ-Axial-iFR)	55.671 ppm	111.342 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.077 ppm	107.700 %
Fe 271.441 (ETA AQ-Radial-iFR)	53.443 ppm	106.886 %
Mg 279.079 (ETA AQ-Radial-iFR)	53.359 ppm	106.718 %
Si 288.158 (ETA AQ-Radial-iFR)	10.518 ppm	105.177 %
V 292.402 (ETA AQ-Axial-iFR)	1.063 ppm	106.339 %
Al 308.215 (ETA AQ-Radial-iFR)	52.584 ppm	105.168 %
Be 313.042 (ETA AQ-Radial-iFR)	1.059 ppm	105.911 %
Ca 317.933 (ETA AQ-Radial-iFR)	53.630 ppm	107.261 %
Cu 327.396 (ETA AQ-Axial-iFR)	1.003 ppm	100.337 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.989 ppm	98.872 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.071 ppm	107.141 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.070 ppm	107.033 %
Y 360.073 (ETA AQ-Axial-iFR)	104.428 %	
Y 360.073 (ETA AQ-Radial-iFR)	91.519 %	
Y 377.433 (ETA AQ-Radial-iFR)	91.443 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.060 ppm	105.983 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.050 ppm	105.011 %
Na 589.592 (ETA AQ-Radial-iFR)	52.905 ppm	105.809 %
Li 670.784 (ETA AQ-Radial-iFR)	1.056 ppm	105.600 %
K 766.490 (ETA AQ-Radial-iFR)	52.479 ppm	104.958 %
Na 818.326 (ETA AQ-Radial-iFR)	51.961 ppm	103.923 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	769 cps
As 189.042 (ETA AQ-Axial-iFR)	88 cps
Sn 189.989 (ETA AQ-Axial-iFR)	156 cps
Tl 190.856 (ETA AQ-Axial-iFR)	85 cps
Se 196.090 (ETA AQ-Axial-iFR)	71 cps
Mo 202.030 (ETA AQ-Axial-iFR)	470 cps
Zn 206.200 (ETA AQ-Axial-iFR)	685 cps
Sb 206.833 (ETA AQ-Axial-iFR)	92 cps
B 208.959 (ETA AQ-Axial-iFR)	272 cps
P 213.618 (ETA AQ-Axial-iFR)	2,104 cps
Pb 220.353 (ETA AQ-Axial-iFR)	121 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	553 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,156 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	405 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,879 cps
Fe 259.940 (ETA AQ-Axial-iFR)	58,425 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,274 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,201 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,568 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,396 cps
V 292.402 (ETA AQ-Axial-iFR)	2,937 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,855 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,710 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,884 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,135 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,274 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,747 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,937 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,471 cps
Ba 455.403 (ETA AQ-Radial-iFR)	23,989 cps
Na 589.592 (ETA AQ-Radial-iFR)	37,122 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,316 cps
K 766.490 (ETA AQ-Radial-iFR)	8,413 cps
Na 818.326 (ETA AQ-Radial-iFR)	985 cps

Label: CCB-8053365 #: 108
Analysis Type: QC Analysis started at: 9/25/2024 8:42:49 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.065 ppm	32.714 %
As 189.042 (ETA AQ-Axial-iFR)	0.001 ppm	8.135 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	-2.692 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	27.826 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	-6.930 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	1.789 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	2.156 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	-15.369 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	15.256 %
P 213.618 (ETA AQ-Axial-iFR)	0.006 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	0.043 %
Y 224.306 (ETA AQ-Axial-iFR)	100.916 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.929 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	5.264 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-6.036 %
In 230.606 (ETA AQ-Axial-iFR)	103.430 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-2.849 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.007 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.040 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	2.578 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.001 ppm	2.963 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.006 ppm	2.787 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Si 288.158 (ETA AQ-Radial-iFR)	0.011 ppm	2.143 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	0.047 %
Al 308.215 (ETA AQ-Radial-iFR)	-0.003 ppm	-1.667 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0.856 %
Ca 317.933 (ETA AQ-Radial-iFR)	-0.001 ppm	-0.250 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1.292 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1.095 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	5.811 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.003 %
Y 360.073 (ETA AQ-Axial-iFR)	103.295 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.845 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.434 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.694 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	-0.495 %
Na 589.592 (ETA AQ-Radial-iFR)	0.026 ppm	2.635 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0.792 %
K 766.490 (ETA AQ-Radial-iFR)	0.051 ppm	10.176 %
Na 818.326 (ETA AQ-Radial-iFR)	-0.016 ppm	-1.560 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	5 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	4 cps
V 292.402 (ETA AQ-Axial-iFR)	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	1 cps
Be 313.042 (ETA AQ-Radial-iFR)	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	6 cps
Cu 327.396 (ETA AQ-Axial-iFR)	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0 cps
Na 589.592 (ETA AQ-Radial-iFR)	21 cps
Li 670.784 (ETA AQ-Radial-iFR)	-1 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
K 766.490 (ETA AQ-Radial-iFR)	11 cps
Na 818.326 (ETA AQ-Radial-iFR)	-4 cps

Label: CCVL-8053374 #: 109
Analysis Type: QC Analysis started at: 9/25/2024 8:44:43 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.276 ppm	138.136 %
As 189.042 (ETA AQ-Axial-iFR)	0.014 ppm	92.879 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.012 ppm	118.523 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.025 ppm	126.041 %
Se 196.090 (ETA AQ-Axial-iFR)	0.019 ppm	75.070 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.011 ppm	105.226 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	114.612 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.017 ppm	85.649 %
B 208.959 (ETA AQ-Axial-iFR)	0.022 ppm	110.695 %
P 213.618 (ETA AQ-Axial-iFR)	0.007 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.010 ppm	96.422 %
Y 224.306 (ETA AQ-Axial-iFR)	97.354 %	
Y 224.306 (ETA AQ-Radial-iFR)	92.370 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.005 ppm	116.377 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	83.977 %
In 230.606 (ETA AQ-Axial-iFR)	99.943 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.012 ppm	115.705 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	102.439 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.058 ppm	116.818 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	109.054 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.047 ppm	93.523 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.209 ppm	104.308 %
Si 288.158 (ETA AQ-Radial-iFR)	0.512 ppm	102.387 %
V 292.402 (ETA AQ-Axial-iFR)	0.006 ppm	112.123 %
Al 308.215 (ETA AQ-Radial-iFR)	0.208 ppm	104.104 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	108.907 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.537 ppm	107.354 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.010 ppm	96.864 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.007 ppm	113.002 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	104.475 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	100.508 %
Y 360.073 (ETA AQ-Axial-iFR)	99.704 %	
Y 360.073 (ETA AQ-Radial-iFR)	92.882 %	
Y 377.433 (ETA AQ-Radial-iFR)	92.741 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	106.666 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	106.928 %
Na 589.592 (ETA AQ-Radial-iFR)	1.088 ppm	108.827 %
Li 670.784 (ETA AQ-Radial-iFR)	0.032 ppm	105.820 %
K 766.490 (ETA AQ-Radial-iFR)	0.574 ppm	114.840 %
Na 818.326 (ETA AQ-Radial-iFR)	1.054 ppm	105.384 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	11 cps
As 189.042 (ETA AQ-Axial-iFR)	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	2 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	5 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	4 cps
Mn 257.610 (ETA AQ-Radial-iFR)	12 cps
Fe 259.940 (ETA AQ-Axial-iFR)	62 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	14 cps
Si 288.158 (ETA AQ-Radial-iFR)	71 cps
V 292.402 (ETA AQ-Axial-iFR)	13 cps
Al 308.215 (ETA AQ-Radial-iFR)	21 cps
Be 313.042 (ETA AQ-Radial-iFR)	49 cps
Ca 317.933 (ETA AQ-Radial-iFR)	145 cps
Cu 327.396 (ETA AQ-Axial-iFR)	32 cps
Ag 328.068 (ETA AQ-Axial-iFR)	22 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	45 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	189 cps
Ba 455.403 (ETA AQ-Radial-iFR)	49 cps
Na 589.592 (ETA AQ-Radial-iFR)	766 cps
Li 670.784 (ETA AQ-Radial-iFR)	98 cps
K 766.490 (ETA AQ-Radial-iFR)	95 cps
Na 818.326 (ETA AQ-Radial-iFR)	16 cps

Label: 480-223634-E-1-C MSD #: 110
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:46:39 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	7.224 ppm	222 cps
As 189.042 (ETA AQ-Axial-iFR)	0.952 ppm	85 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.997 ppm	151 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.973 ppm	84 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.923 ppm	66 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.500 ppm	230 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.963 ppm	611 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0.488 ppm	44 cps
B 208.959 (ETA AQ-Axial-iFR)	0.516 ppm	135 cps
P 213.618 (ETA AQ-Axial-iFR)	10.108 ppm	806 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.507 ppm	60 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.246 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.822 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.512 ppm	273 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.503 ppm	553 cps
In 230.606 (ETA AQ-Axial-iFR)	101.556 %	585 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ni 231.604 (ETA AQ-Axial-iFR)	0.528 ppm	205 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.973 ppm	3,616 cps
Fe 259.940 (ETA AQ-Axial-iFR)	6.079 ppm	6,382 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.518 ppm	613 cps
Fe 271.441 (ETA AQ-Radial-iFR)	5.444 ppm	123 cps
Mg 279.079 (ETA AQ-Radial-iFR)	28.301 ppm	1,892 cps
Si 288.158 (ETA AQ-Radial-iFR)	1.773 ppm	240 cps
V 292.402 (ETA AQ-Axial-iFR)	0.516 ppm	1,425 cps
Al 308.215 (ETA AQ-Radial-iFR)	5.583 ppm	517 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.519 ppm	12,107 cps
Ca 317.933 (ETA AQ-Radial-iFR)	33.995 ppm	8,802 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.517 ppm	1,616 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.051 ppm	160 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.526 ppm	1,836 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.526 ppm	4,881 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.956 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.757 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.834 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.570 ppm	21,214 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1.036 ppm	23,670 cps
Na 589.592 (ETA AQ-Radial-iFR)	56.415 ppm	39,585 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.506 ppm	1,589 cps
K 766.490 (ETA AQ-Radial-iFR)	25.958 ppm	4,163 cps
Na 818.326 (ETA AQ-Radial-iFR)	55.523 ppm	1,052 cps

Label: 480-223634-E-2-A #: 111
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:48:33 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	1.572 ppm	51 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.340 ppm	215 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.009 ppm	3 cps
P 213.618 (ETA AQ-Axial-iFR)	0.054 ppm	2 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	100.155 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	95.570 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	103.632 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.023 ppm	87 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.281 ppm	296 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.238 ppm	6 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0.545 ppm	36 cps
Si 288.158 (ETA AQ-Radial-iFR)	0.450 ppm	62 cps
V 292.402 (ETA AQ-Axial-iFR)	0.002 ppm	2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.252 ppm	25 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ca 317.933 (ETA AQ-Radial-iFR)	4.404 ppm	1,145 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.004 ppm	15 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.006 ppm	16 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	47 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.785 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	97.504 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	97.363 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.018 ppm	671 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.007 ppm	162 cps
Na 589.592 (ETA AQ-Radial-iFR)	4.672 ppm	3,280 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.001 ppm	0 cps
K 766.490 (ETA AQ-Radial-iFR)	0.611 ppm	101 cps
Na 818.326 (ETA AQ-Radial-iFR)	4.622 ppm	84 cps

Label: 480-223659-B-1-A #: 112
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:50:28 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	9.520 ppm	292 cps
As 189.042 (ETA AQ-Axial-iFR)	0.018 ppm	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.010 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	-0.006 ppm	3 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.006 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.217 ppm	56 cps
P 213.618 (ETA AQ-Axial-iFR)	0.308 ppm	23 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	95.364 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	89.844 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	97.775 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.004 ppm	1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	1.176 ppm	4,362 cps
Fe 259.940 (ETA AQ-Axial-iFR)	61.163 ppm	64,180 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	58.546 ppm	1,313 cps
Mg 279.079 (ETA AQ-Radial-iFR)	41.974 ppm	2,807 cps
Si 288.158 (ETA AQ-Radial-iFR)	10.354 ppm	1,369 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.015 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	158.117 ppm	40,904 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.002 ppm	7 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.386 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.300 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.308 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	2.417 ppm	90,016 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.572 ppm	13,076 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Na 589.592 (ETA AQ-Radial-iFR)	255.116 ppm	178,998 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.015 ppm	46 cps
K 766.490 (ETA AQ-Radial-iFR)	5.672 ppm	912 cps
Na 818.326 (ETA AQ-Radial-iFR)	258.162 ppm	4,908 cps

Label: 480-223633-D-1-A #: 113
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:52:22 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	5.443 ppm	168 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.089 ppm	56 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.014 ppm	4 cps
P 213.618 (ETA AQ-Axial-iFR)	0.057 ppm	3 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.009 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.706 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.373 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	103.300 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.003 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.532 ppm	1,969 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.834 ppm	876 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.742 ppm	17 cps
Mg 279.079 (ETA AQ-Radial-iFR)	7.410 ppm	496 cps
Si 288.158 (ETA AQ-Radial-iFR)	5.598 ppm	742 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.006 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	78.333 ppm	20,267 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.032 ppm	100 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.758 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.927 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.962 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.168 ppm	6,256 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.052 ppm	1,179 cps
Na 589.592 (ETA AQ-Radial-iFR)	3.372 ppm	2,368 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.002 ppm	5 cps
K 766.490 (ETA AQ-Radial-iFR)	3.111 ppm	501 cps
Na 818.326 (ETA AQ-Radial-iFR)	3.147 ppm	56 cps

Label: 480-223633-D-2-A #: 114
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:54:16 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	3.600 ppm	112 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.031 ppm	20 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.014 ppm	4 cps
P 213.618 (ETA AQ-Axial-iFR)	0.030 ppm	1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.899 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.196 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	103.381 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	2 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.075 ppm	80 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.048 ppm	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	7.586 ppm	507 cps
Si 288.158 (ETA AQ-Radial-iFR)	4.306 ppm	571 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.003 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	61.475 ppm	15,907 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.013 ppm	43 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.158 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.049 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.995 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.168 ppm	6,233 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.057 ppm	1,293 cps
Na 589.592 (ETA AQ-Radial-iFR)	13.896 ppm	9,753 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.002 ppm	4 cps
K 766.490 (ETA AQ-Radial-iFR)	1.546 ppm	251 cps
Na 818.326 (ETA AQ-Radial-iFR)	13.450 ppm	252 cps

Label: 480-223633-D-3-A #: 115
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:56:10 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	4.643 ppm	144 cps
As 189.042 (ETA AQ-Axial-iFR)	0.005 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.009 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.086 ppm	60 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.019 ppm	5 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
P 213.618 (ETA AQ-Axial-iFR)	0.016 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.399 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.891 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	101.645 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.100 ppm	374 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.356 ppm	375 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.307 ppm	7 cps
Mg 279.079 (ETA AQ-Radial-iFR)	7.098 ppm	475 cps
Si 288.158 (ETA AQ-Radial-iFR)	2.932 ppm	390 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.017 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	52.671 ppm	13,630 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.185 ppm	579 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.877 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.668 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.573 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.252 ppm	9,361 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.101 ppm	2,302 cps
Na 589.592 (ETA AQ-Radial-iFR)	209.281 ppm	146,839 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.004 ppm	10 cps
K 766.490 (ETA AQ-Radial-iFR)	1.757 ppm	284 cps
Na 818.326 (ETA AQ-Radial-iFR)	211.174 ppm	4,014 cps

Label: 480-223633-D-4-A #: 116
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:58:05 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	3.389 ppm	106 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.046 ppm	30 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.011 ppm	3 cps
P 213.618 (ETA AQ-Axial-iFR)	0.009 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.022 ppm	3 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.084 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	91.968 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	102.646 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.003 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.003 ppm	4 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.004 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3.640 ppm	243 cps
Si 288.158 (ETA AQ-Radial-iFR)	3.592 ppm	477 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.006 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	68.139 ppm	17,631 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.106 ppm	333 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.210 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.568 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	93.678 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.128 ppm	4,769 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.026 ppm	600 cps
Na 589.592 (ETA AQ-Radial-iFR)	28.957 ppm	20,319 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.003 ppm	8 cps
K 766.490 (ETA AQ-Radial-iFR)	2.039 ppm	330 cps
Na 818.326 (ETA AQ-Radial-iFR)	28.270 ppm	534 cps

Label: 480-223639-A-1-A #: 117
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 8:59:59 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	14.298 ppm	437 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.004 ppm	3 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.005 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.013 ppm	4 cps
P 213.618 (ETA AQ-Axial-iFR)	0.038 ppm	1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.713 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.854 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	103.189 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	13 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.041 ppm	44 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.011 ppm	13 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.014 ppm	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	9.790 ppm	655 cps
Si 288.158 (ETA AQ-Radial-iFR)	6.395 ppm	847 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.015 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	53.603 ppm	13,871 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.004 ppm	13 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	-2 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.636 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	94.177 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.171 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.223 ppm	8,314 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.003 ppm	66 cps
Na 589.592 (ETA AQ-Radial-iFR)	20.777 ppm	14,581 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.002 ppm	4 cps
K 766.490 (ETA AQ-Radial-iFR)	1.592 ppm	258 cps
Na 818.326 (ETA AQ-Radial-iFR)	20.304 ppm	382 cps

Label: 480-223658-B-1-A #: 118
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 9:01:53 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	37.849 ppm	1,152 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.528 ppm	135 cps
P 213.618 (ETA AQ-Axial-iFR)	0.013 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	95.141 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	89.107 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	99.419 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.027 ppm	101 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.237 ppm	250 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.185 ppm	5 cps
Mg 279.079 (ETA AQ-Radial-iFR)	38.167 ppm	2,552 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.549 ppm	1,131 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.003 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	110.972 ppm	28,710 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	2 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-5 cps
Y 360.073 (ETA AQ-Axial-iFR)	99.991 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	91.260 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	91.237 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.140 ppm	42,446 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.073 ppm	1,663 cps
Na 589.592 (ETA AQ-Radial-iFR)	86.680 ppm	60,820 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.062 ppm	194 cps
K 766.490 (ETA AQ-Radial-iFR)	5.096 ppm	819 cps

Basic Sample Report
9/26/2024 8:25:10 AM

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Na 818.326 (ETA AQ-Radial-iFR)	85.465 ppm	1,622 cps

Label: CCV-8053377 #: 119
Analysis Type: QC Analysis started at: 9/25/2024 9:03:48 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	25.036 ppm	100.145 %
As 189.042 (ETA AQ-Axial-iFR)	0.976 ppm	97.641 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.021 ppm	102.144 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.986 ppm	98.614 %
Se 196.090 (ETA AQ-Axial-iFR)	0.966 ppm	96.614 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.017 ppm	101.661 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.061 ppm	106.092 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.010 ppm	100.959 %
B 208.959 (ETA AQ-Axial-iFR)	1.025 ppm	102.491 %
P 213.618 (ETA AQ-Axial-iFR)	26.013 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.012 ppm	101.176 %
Y 224.306 (ETA AQ-Axial-iFR)	100.645 %	
Y 224.306 (ETA AQ-Radial-iFR)	92.711 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.026 ppm	102.648 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.043 ppm	104.296 %
In 230.606 (ETA AQ-Axial-iFR)	105.234 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.030 ppm	103.027 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.033 ppm	103.293 %
Fe 259.940 (ETA AQ-Axial-iFR)	55.020 ppm	110.040 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.064 ppm	106.354 %
Fe 271.441 (ETA AQ-Radial-iFR)	53.000 ppm	106.000 %
Mg 279.079 (ETA AQ-Radial-iFR)	52.545 ppm	105.089 %
Si 288.158 (ETA AQ-Radial-iFR)	10.456 ppm	104.561 %
V 292.402 (ETA AQ-Axial-iFR)	1.047 ppm	104.680 %
Al 308.215 (ETA AQ-Radial-iFR)	51.936 ppm	103.873 %
Be 313.042 (ETA AQ-Radial-iFR)	1.052 ppm	105.246 %
Ca 317.933 (ETA AQ-Radial-iFR)	52.759 ppm	105.518 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.998 ppm	99.787 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.989 ppm	98.913 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.058 ppm	105.815 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.055 ppm	105.491 %
Y 360.073 (ETA AQ-Axial-iFR)	104.994 %	
Y 360.073 (ETA AQ-Radial-iFR)	93.608 %	
Y 377.433 (ETA AQ-Radial-iFR)	93.461 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.057 ppm	105.682 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.044 ppm	104.424 %
Na 589.592 (ETA AQ-Radial-iFR)	52.683 ppm	105.367 %
Li 670.784 (ETA AQ-Radial-iFR)	1.037 ppm	103.708 %
K 766.490 (ETA AQ-Radial-iFR)	51.783 ppm	103.566 %
Na 818.326 (ETA AQ-Radial-iFR)	51.514 ppm	103.028 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	763 cps
As 189.042 (ETA AQ-Axial-iFR)	87 cps
Sn 189.989 (ETA AQ-Axial-iFR)	155 cps
Tl 190.856 (ETA AQ-Axial-iFR)	85 cps
Se 196.090 (ETA AQ-Axial-iFR)	69 cps
Mo 202.030 (ETA AQ-Axial-iFR)	467 cps
Zn 206.200 (ETA AQ-Axial-iFR)	673 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Sb 206.833 (ETA AQ-Axial-iFR)	91 cps
B 208.959 (ETA AQ-Axial-iFR)	268 cps
P 213.618 (ETA AQ-Axial-iFR)	2,077 cps
Pb 220.353 (ETA AQ-Axial-iFR)	120 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	549 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,143 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	400 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,840 cps
Fe 259.940 (ETA AQ-Axial-iFR)	57,742 cps
Cr 267.716 (ETA AQ-Axial-iFR)	1,258 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,191 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,514 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,388 cps
V 292.402 (ETA AQ-Axial-iFR)	2,891 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,796 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,555 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,658 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,118 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,276 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,701 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,794 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,359 cps
Ba 455.403 (ETA AQ-Radial-iFR)	23,856 cps
Na 589.592 (ETA AQ-Radial-iFR)	36,967 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,257 cps
K 766.490 (ETA AQ-Radial-iFR)	8,301 cps
Na 818.326 (ETA AQ-Radial-iFR)	976 cps

Label: CCB-8053365 #: 120
Analysis Type: QC Analysis started at: 9/25/2024 9:05:43 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.049 ppm	24.627 %
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	25.660 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.000 ppm	3.016 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	30.887 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.002 ppm	-9.318 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	-1.785 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	1.864 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.006 ppm	-28.843 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	13.427 %
P 213.618 (ETA AQ-Axial-iFR)	0.005 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	-13.315 %
Y 224.306 (ETA AQ-Axial-iFR)	100.537 %	
Y 224.306 (ETA AQ-Radial-iFR)	94.936 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	8.996 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-15.050 %
In 230.606 (ETA AQ-Axial-iFR)	103.143 %	
Ni 231.604 (ETA AQ-Axial-iFR)	-0.001 ppm	-9.647 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.015 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.044 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-1.771 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.005 ppm	9.109 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.000 ppm	-0.069 %
Si 288.158 (ETA AQ-Radial-iFR)	-0.002 ppm	-0.402 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	0.012 %
Al 308.215 (ETA AQ-Radial-iFR)	0.009 ppm	4.259 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-0.666 %
Ca 317.933 (ETA AQ-Radial-iFR)	-0.003 ppm	-0.582 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-4.116 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	4.472 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	5.152 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	0.002 %
Y 360.073 (ETA AQ-Axial-iFR)	102.214 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.801 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.540 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.709 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	3.228 %
Na 589.592 (ETA AQ-Radial-iFR)	0.028 ppm	2.829 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	1.313 %
K 766.490 (ETA AQ-Radial-iFR)	0.060 ppm	11.931 %
Na 818.326 (ETA AQ-Radial-iFR)	-0.057 ppm	-5.681 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	4 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	0 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	2 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	3 cps
V 292.402 (ETA AQ-Axial-iFR)	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	5 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0 cps
Ag 328.068 (ETA AQ-Axial-iFR)	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-8 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	23 cps
Li 670.784 (ETA AQ-Radial-iFR)	0 cps
K 766.490 (ETA AQ-Radial-iFR)	12 cps
Na 818.326 (ETA AQ-Radial-iFR)	-5 cps

Label: CCVL-8053374 #: 121
Analysis Type: QC Analysis started at: 9/25/2024 9:07:37 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.246 ppm	122.770 %
As 189.042 (ETA AQ-Axial-iFR)	0.016 ppm	109.752 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.010 ppm	104.644 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.024 ppm	119.891 %
Se 196.090 (ETA AQ-Axial-iFR)	0.018 ppm	72.965 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	98.029 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	108.348 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.016 ppm	80.975 %
B 208.959 (ETA AQ-Axial-iFR)	0.022 ppm	107.584 %
P 213.618 (ETA AQ-Axial-iFR)	0.007 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.008 ppm	84.650 %
Y 224.306 (ETA AQ-Axial-iFR)	101.303 %	
Y 224.306 (ETA AQ-Radial-iFR)	95.077 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.004 ppm	110.743 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	89.014 %
In 230.606 (ETA AQ-Axial-iFR)	104.080 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.011 ppm	108.231 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	98.178 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.056 ppm	111.091 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	106.378 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.043 ppm	86.061 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.201 ppm	100.384 %
Si 288.158 (ETA AQ-Radial-iFR)	0.492 ppm	98.374 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	102.204 %
Al 308.215 (ETA AQ-Radial-iFR)	0.197 ppm	98.648 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	103.920 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.509 ppm	101.759 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	93.186 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.007 ppm	110.992 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	108.535 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	95.794 %
Y 360.073 (ETA AQ-Axial-iFR)	103.300 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.954 %	
Y 377.433 (ETA AQ-Radial-iFR)	96.036 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	104.282 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	103.556 %
Na 589.592 (ETA AQ-Radial-iFR)	1.073 ppm	107.270 %
Li 670.784 (ETA AQ-Radial-iFR)	0.030 ppm	101.305 %
K 766.490 (ETA AQ-Radial-iFR)	0.547 ppm	109.455 %
Na 818.326 (ETA AQ-Radial-iFR)	1.037 ppm	103.743 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	10 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	4 cps
Zn 206.200 (ETA AQ-Axial-iFR)	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	11 cps
Fe 259.940 (ETA AQ-Axial-iFR)	59 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	13 cps
Si 288.158 (ETA AQ-Radial-iFR)	68 cps
V 292.402 (ETA AQ-Axial-iFR)	12 cps
Al 308.215 (ETA AQ-Radial-iFR)	20 cps
Be 313.042 (ETA AQ-Radial-iFR)	47 cps
Ca 317.933 (ETA AQ-Radial-iFR)	137 cps
Cu 327.396 (ETA AQ-Axial-iFR)	31 cps
Ag 328.068 (ETA AQ-Axial-iFR)	22 cps
Ti 334.904 (ETA AQ-Axial-iFR)	15 cps
Ti 334.941 (ETA AQ-Axial-iFR)	43 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	185 cps
Ba 455.403 (ETA AQ-Radial-iFR)	47 cps
Na 589.592 (ETA AQ-Radial-iFR)	755 cps
Li 670.784 (ETA AQ-Radial-iFR)	94 cps
K 766.490 (ETA AQ-Radial-iFR)	91 cps
Na 818.326 (ETA AQ-Radial-iFR)	16 cps

Label: 480-223658-B-2-A #: 122
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 9:09:33 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	37.218 ppm	1,133 cps
As 189.042 (ETA AQ-Axial-iFR)	0.003 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.009 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.009 ppm	8 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.511 ppm	131 cps
P 213.618 (ETA AQ-Axial-iFR)	0.030 ppm	1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 224.306 (ETA AQ-Axial-iFR)	97.351 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	90.852 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	101.693 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.311 ppm	1,153 cps
Fe 259.940 (ETA AQ-Axial-iFR)	1.348 ppm	1,415 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1.205 ppm	27 cps
Mg 279.079 (ETA AQ-Radial-iFR)	37.428 ppm	2,503 cps
Si 288.158 (ETA AQ-Radial-iFR)	8.523 ppm	1,128 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.000 ppm	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	165.777 ppm	42,886 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.005 ppm	16 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.001 ppm	-2 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-6 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.369 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	92.969 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.780 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	1.261 ppm	46,975 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.098 ppm	2,249 cps
Na 589.592 (ETA AQ-Radial-iFR)	85.226 ppm	59,800 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.062 ppm	192 cps
K 766.490 (ETA AQ-Radial-iFR)	5.002 ppm	804 cps
Na 818.326 (ETA AQ-Radial-iFR)	83.654 ppm	1,588 cps

Label: 480-223662-K-1-A #: 123
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 9:11:27 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	8.144 ppm	250 cps
As 189.042 (ETA AQ-Axial-iFR)	0.006 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.003 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.059 ppm	38 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.037 ppm	10 cps
P 213.618 (ETA AQ-Axial-iFR)	1.340 ppm	105 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	99.643 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	93.190 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	104.173 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.041 ppm	152 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.724 ppm	761 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.651 ppm	15 cps

Basic Sample Report

9/26/2024 8:25:10 AM

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Mg 279.079 (ETA AQ-Radial-iFR)	8.422 ppm	563 cps
Si 288.158 (ETA AQ-Radial-iFR)	2.134 ppm	285 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.383 ppm	37 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	36.811 ppm	9,527 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.015 ppm	49 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.007 ppm	22 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.007 ppm	62 cps
Y 360.073 (ETA AQ-Axial-iFR)	103.255 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	95.088 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	94.764 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.231 ppm	8,587 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.026 ppm	589 cps
Na 589.592 (ETA AQ-Radial-iFR)	24.224 ppm	16,999 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.005 ppm	13 cps
K 766.490 (ETA AQ-Radial-iFR)	5.660 ppm	910 cps
Na 818.326 (ETA AQ-Radial-iFR)	23.672 ppm	446 cps

Label: 480-223662-K-2-A #: 124
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 9:13:22 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	7.408 ppm	228 cps
As 189.042 (ETA AQ-Axial-iFR)	0.005 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.003 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.042 ppm	27 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.004 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.030 ppm	8 cps
P 213.618 (ETA AQ-Axial-iFR)	1.206 ppm	95 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.399 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.103 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	102.587 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.003 ppm	1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.033 ppm	122 cps
Fe 259.940 (ETA AQ-Axial-iFR)	1.675 ppm	1,759 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.003 ppm	4 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1.514 ppm	34 cps
Mg 279.079 (ETA AQ-Radial-iFR)	8.242 ppm	551 cps
Si 288.158 (ETA AQ-Radial-iFR)	2.278 ppm	304 cps
V 292.402 (ETA AQ-Axial-iFR)	0.002 ppm	3 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.922 ppm	87 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Ca 317.933 (ETA AQ-Radial-iFR)	35.592 ppm	9,212 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.034 ppm	107 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.001 ppm	2 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.015 ppm	49 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.014 ppm	131 cps

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
Y 360.073 (ETA AQ-Axial-iFR)	101.568 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.015 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	92.782 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.179 ppm	6,658 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.031 ppm	707 cps
Na 589.592 (ETA AQ-Radial-iFR)	21.464 ppm	15,062 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.004 ppm	10 cps
K 766.490 (ETA AQ-Radial-iFR)	3.339 ppm	538 cps
Na 818.326 (ETA AQ-Radial-iFR)	21.035 ppm	396 cps

Label: 480-223662-K-3-A #: 125
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 9:15:16 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	7.719 ppm	237 cps
As 189.042 (ETA AQ-Axial-iFR)	0.004 ppm	0 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.007 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.002 ppm	1 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.009 ppm	7 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.003 ppm	0 cps
B 208.959 (ETA AQ-Axial-iFR)	0.045 ppm	12 cps
P 213.618 (ETA AQ-Axial-iFR)	0.762 ppm	59 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	98.361 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	92.522 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.001 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
In 230.606 (ETA AQ-Axial-iFR)	102.732 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.002 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.044 ppm	163 cps
Fe 259.940 (ETA AQ-Axial-iFR)	0.630 ppm	662 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0.552 ppm	13 cps
Mg 279.079 (ETA AQ-Radial-iFR)	9.170 ppm	613 cps
Si 288.158 (ETA AQ-Radial-iFR)	2.345 ppm	312 cps
V 292.402 (ETA AQ-Axial-iFR)	0.001 ppm	1 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.250 ppm	25 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	42.950 ppm	11,115 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.005 ppm	18 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.003 ppm	5 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.002 ppm	19 cps
Y 360.073 (ETA AQ-Axial-iFR)	101.758 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	93.639 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	93.337 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.259 ppm	9,626 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.030 ppm	693 cps
Na 589.592 (ETA AQ-Radial-iFR)	48.712 ppm	34,180 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.005 ppm	15 cps
K 766.490 (ETA AQ-Radial-iFR)	3.590 ppm	578 cps
Na 818.326 (ETA AQ-Radial-iFR)	47.855 ppm	906 cps

Label: rinse #: 126
Analysis Type: UNKNOWN Analysis started at: 9/25/2024 9:17:11 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	0.034 ppm	4 cps
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	0.006 ppm	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	1 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	-0.002 ppm	1 cps
B 208.959 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
P 213.618 (ETA AQ-Axial-iFR)	0.005 ppm	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	-0.002 ppm	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	101.357 %	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	96.043 %	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
In 230.606 (ETA AQ-Axial-iFR)	103.975 %	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	0.001 ppm	0 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	-0.001 ppm	0 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	-0.023 ppm	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	-0.004 ppm	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	-0.001 ppm	3 cps
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	0.010 ppm	3 cps
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
Ca 317.933 (ETA AQ-Radial-iFR)	-0.004 ppm	5 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1 cps
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	-4 cps
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-3 cps
Y 360.073 (ETA AQ-Axial-iFR)	102.882 %	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	96.005 %	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	95.612 %	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	-9 cps
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	0.031 ppm	24 cps
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	0.042 ppm	10 cps
Na 818.326 (ETA AQ-Radial-iFR)	0.111 ppm	-2 cps

Label: CCV-8053377 #: 127
Analysis Type: QC Analysis started at: 9/25/2024 9:19:05 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	24.890 ppm	99.561 %
As 189.042 (ETA AQ-Axial-iFR)	0.974 ppm	97.380 %
Sn 189.989 (ETA AQ-Axial-iFR)	1.026 ppm	102.567 %

Basic Sample Report

9/26/2024 8:25:10 AM

QTEGRA

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Tl 190.856 (ETA AQ-Axial-iFR)	0.982 ppm	98.155 %
Se 196.090 (ETA AQ-Axial-iFR)	0.962 ppm	96.197 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.016 ppm	101.558 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.068 ppm	106.834 %
Sb 206.833 (ETA AQ-Axial-iFR)	1.005 ppm	100.470 %
B 208.959 (ETA AQ-Axial-iFR)	1.016 ppm	101.617 %
P 213.618 (ETA AQ-Axial-iFR)	25.874 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	1.016 ppm	101.577 %
Y 224.306 (ETA AQ-Axial-iFR)	101.444 %	
Y 224.306 (ETA AQ-Radial-iFR)	93.622 %	
Co 228.616 (ETA AQ-Axial-iFR)	1.030 ppm	103.046 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.041 ppm	104.081 %
In 230.606 (ETA AQ-Axial-iFR)	105.460 %	
Ni 231.604 (ETA AQ-Axial-iFR)	1.038 ppm	103.801 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.034 ppm	103.420 %
Fe 259.940 (ETA AQ-Axial-iFR)	54.691 ppm	109.382 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.067 ppm	106.730 %
Fe 271.441 (ETA AQ-Radial-iFR)	52.949 ppm	105.897 %
Mg 279.079 (ETA AQ-Radial-iFR)	52.005 ppm	104.010 %
Si 288.158 (ETA AQ-Radial-iFR)	10.448 ppm	104.484 %
V 292.402 (ETA AQ-Axial-iFR)	1.046 ppm	104.607 %
Al 308.215 (ETA AQ-Radial-iFR)	51.982 ppm	103.963 %
Be 313.042 (ETA AQ-Radial-iFR)	1.051 ppm	105.093 %
Ca 317.933 (ETA AQ-Radial-iFR)	52.549 ppm	105.099 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.990 ppm	98.988 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.989 ppm	98.900 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.060 ppm	106.007 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.055 ppm	105.503 %
Y 360.073 (ETA AQ-Axial-iFR)	105.234 %	
Y 360.073 (ETA AQ-Radial-iFR)	94.668 %	
Y 377.433 (ETA AQ-Radial-iFR)	94.194 %	
Sr 407.771 (ETA AQ-Radial-iFR)	1.064 ppm	106.386 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.055 ppm	105.476 %
Na 589.592 (ETA AQ-Radial-iFR)	52.833 ppm	105.667 %
Li 670.784 (ETA AQ-Radial-iFR)	1.045 ppm	104.543 %
K 766.490 (ETA AQ-Radial-iFR)	51.888 ppm	103.775 %
Na 818.326 (ETA AQ-Radial-iFR)	51.740 ppm	103.479 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	759 cps
As 189.042 (ETA AQ-Axial-iFR)	87 cps
Sn 189.989 (ETA AQ-Axial-iFR)	155 cps
Tl 190.856 (ETA AQ-Axial-iFR)	85 cps
Se 196.090 (ETA AQ-Axial-iFR)	69 cps
Mo 202.030 (ETA AQ-Axial-iFR)	467 cps
Zn 206.200 (ETA AQ-Axial-iFR)	677 cps
Sb 206.833 (ETA AQ-Axial-iFR)	90 cps
B 208.959 (ETA AQ-Axial-iFR)	266 cps
P 213.618 (ETA AQ-Axial-iFR)	2,066 cps
Pb 220.353 (ETA AQ-Axial-iFR)	120 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	551 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1,141 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	403 cps
Mn 257.610 (ETA AQ-Radial-iFR)	3,845 cps
Fe 259.940 (ETA AQ-Axial-iFR)	57,397 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Cr 267.716 (ETA AQ-Axial-iFR)	1,262 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1,190 cps
Mg 279.079 (ETA AQ-Radial-iFR)	3,477 cps
Si 288.158 (ETA AQ-Radial-iFR)	1,387 cps
V 292.402 (ETA AQ-Axial-iFR)	2,889 cps
Al 308.215 (ETA AQ-Radial-iFR)	4,800 cps
Be 313.042 (ETA AQ-Radial-iFR)	24,519 cps
Ca 317.933 (ETA AQ-Radial-iFR)	13,604 cps
Cu 327.396 (ETA AQ-Axial-iFR)	3,093 cps
Ag 328.068 (ETA AQ-Axial-iFR)	3,275 cps
Ti 334.904 (ETA AQ-Axial-iFR)	3,708 cps
Ti 334.941 (ETA AQ-Axial-iFR)	9,795 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	39,621 cps
Ba 455.403 (ETA AQ-Radial-iFR)	24,096 cps
Na 589.592 (ETA AQ-Radial-iFR)	37,072 cps
Li 670.784 (ETA AQ-Radial-iFR)	3,283 cps
K 766.490 (ETA AQ-Radial-iFR)	8,318 cps
Na 818.326 (ETA AQ-Radial-iFR)	980 cps

Label: CCB-8053365 #: 128
Analysis Type: QC Analysis started at: 9/25/2024 9:21:00 PM

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.049 ppm	24.487 %
As 189.042 (ETA AQ-Axial-iFR)	0.002 ppm	14.850 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.001 ppm	10.822 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.008 ppm	39.613 %
Se 196.090 (ETA AQ-Axial-iFR)	-0.001 ppm	-4.550 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.000 ppm	1.824 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.000 ppm	-3.470 %
Sb 206.833 (ETA AQ-Axial-iFR)	-0.001 ppm	-6.418 %
B 208.959 (ETA AQ-Axial-iFR)	0.003 ppm	15.205 %
P 213.618 (ETA AQ-Axial-iFR)	0.006 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.000 ppm	-4.395 %
Y 224.306 (ETA AQ-Axial-iFR)	100.734 %	
Y 224.306 (ETA AQ-Radial-iFR)	95.113 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.000 ppm	8.178 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.000 ppm	-10.828 %
In 230.606 (ETA AQ-Axial-iFR)	103.818 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.000 ppm	-1.304 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.000 ppm	-0.003 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.000 ppm	0.033 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.000 ppm	-0.257 %
Fe 271.441 (ETA AQ-Radial-iFR)	-0.015 ppm	-30.997 %
Mg 279.079 (ETA AQ-Radial-iFR)	-0.005 ppm	-2.254 %
Si 288.158 (ETA AQ-Radial-iFR)	-0.007 ppm	-1.479 %
V 292.402 (ETA AQ-Axial-iFR)	0.000 ppm	-0.007 %
Al 308.215 (ETA AQ-Radial-iFR)	0.001 ppm	0.336 %
Be 313.042 (ETA AQ-Radial-iFR)	0.000 ppm	-1.395 %
Ca 317.933 (ETA AQ-Radial-iFR)	-0.004 ppm	-0.721 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.000 ppm	-4.820 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.000 ppm	1.239 %

Analyte (Measure Mode)	Concentration average	Recovery Percentage
Ti 334.904 (ETA AQ-Axial-iFR)	0.000 ppm	6.020 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.000 ppm	-0.004 %
Y 360.073 (ETA AQ-Axial-iFR)	102.472 %	
Y 360.073 (ETA AQ-Radial-iFR)	95.756 %	
Y 377.433 (ETA AQ-Radial-iFR)	95.611 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.000 ppm	0.479 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.000 ppm	2.235 %
Na 589.592 (ETA AQ-Radial-iFR)	0.029 ppm	2.858 %
Li 670.784 (ETA AQ-Radial-iFR)	0.000 ppm	0.967 %
K 766.490 (ETA AQ-Radial-iFR)	0.061 ppm	12.179 %
Na 818.326 (ETA AQ-Radial-iFR)	0.016 ppm	1.626 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	4 cps
As 189.042 (ETA AQ-Axial-iFR)	-1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	0 cps
Tl 190.856 (ETA AQ-Axial-iFR)	-1 cps
Se 196.090 (ETA AQ-Axial-iFR)	0 cps
Mo 202.030 (ETA AQ-Axial-iFR)	0 cps
Zn 206.200 (ETA AQ-Axial-iFR)	0 cps
Sb 206.833 (ETA AQ-Axial-iFR)	1 cps
B 208.959 (ETA AQ-Axial-iFR)	1 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	0 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	-1 cps
Cd 228.802 (ETA AQ-Axial-iFR)	1 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	-1 cps
Mn 257.610 (ETA AQ-Radial-iFR)	0 cps
Fe 259.940 (ETA AQ-Axial-iFR)	1 cps
Cr 267.716 (ETA AQ-Axial-iFR)	0 cps
Fe 271.441 (ETA AQ-Radial-iFR)	0 cps
Mg 279.079 (ETA AQ-Radial-iFR)	0 cps
Si 288.158 (ETA AQ-Radial-iFR)	2 cps
V 292.402 (ETA AQ-Axial-iFR)	-2 cps
Al 308.215 (ETA AQ-Radial-iFR)	2 cps
Be 313.042 (ETA AQ-Radial-iFR)	-2 cps
Ca 317.933 (ETA AQ-Radial-iFR)	5 cps
Cu 327.396 (ETA AQ-Axial-iFR)	0 cps
Ag 328.068 (ETA AQ-Axial-iFR)	0 cps
Ti 334.904 (ETA AQ-Axial-iFR)	-3 cps
Ti 334.941 (ETA AQ-Axial-iFR)	-2 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	-9 cps
Ba 455.403 (ETA AQ-Radial-iFR)	1 cps
Na 589.592 (ETA AQ-Radial-iFR)	23 cps
Li 670.784 (ETA AQ-Radial-iFR)	-1 cps
K 766.490 (ETA AQ-Radial-iFR)	13 cps
Na 818.326 (ETA AQ-Radial-iFR)	-4 cps

Label: CCVL-8053374 #: 129
Analysis Type: QC Analysis started at: 9/25/2024 9:22:55 PM

Basic Sample Report

9/26/2024 8:25:10 AM

QTEGRA

Amount: Final Quantity: Standard DF: 1

Analyte (Measure Mode)	Concentration average	Recovery Percentage
S 182.034 (ETA AQ-Axial-iFR)	0.256 ppm	127.954 %
As 189.042 (ETA AQ-Axial-iFR)	0.017 ppm	116.457 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.011 ppm	107.804 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.024 ppm	119.219 %
Se 196.090 (ETA AQ-Axial-iFR)	0.019 ppm	76.843 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.010 ppm	97.603 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.014 ppm	142.451 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.018 ppm	91.255 %
B 208.959 (ETA AQ-Axial-iFR)	0.022 ppm	107.865 %
P 213.618 (ETA AQ-Axial-iFR)	0.007 ppm	
Pb 220.353 (ETA AQ-Axial-iFR)	0.006 ppm	63.579 %
Y 224.306 (ETA AQ-Axial-iFR)	101.076 %	
Y 224.306 (ETA AQ-Radial-iFR)	95.292 %	
Co 228.616 (ETA AQ-Axial-iFR)	0.005 ppm	113.960 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	81.795 %
In 230.606 (ETA AQ-Axial-iFR)	104.104 %	
Ni 231.604 (ETA AQ-Axial-iFR)	0.011 ppm	108.532 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.004 ppm	122.902 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.056 ppm	111.116 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	106.317 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.035 ppm	70.185 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.199 ppm	99.420 %
Si 288.158 (ETA AQ-Radial-iFR)	0.495 ppm	99.085 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	97.469 %
Al 308.215 (ETA AQ-Radial-iFR)	0.206 ppm	102.763 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	105.959 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.533 ppm	106.684 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	89.281 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.007 ppm	111.312 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	106.078 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	96.001 %
Y 360.073 (ETA AQ-Axial-iFR)	103.061 %	
Y 360.073 (ETA AQ-Radial-iFR)	96.671 %	
Y 377.433 (ETA AQ-Radial-iFR)	96.377 %	
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	104.456 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	108.866 %
Na 589.592 (ETA AQ-Radial-iFR)	1.074 ppm	107.391 %
Li 670.784 (ETA AQ-Radial-iFR)	0.031 ppm	102.949 %
K 766.490 (ETA AQ-Radial-iFR)	0.553 ppm	110.684 %
Na 818.326 (ETA AQ-Radial-iFR)	0.978 ppm	97.850 %

Analyte (Measure Mode)	IS Corrected Intensity Average
S 182.034 (ETA AQ-Axial-iFR)	11 cps
As 189.042 (ETA AQ-Axial-iFR)	1 cps
Sn 189.989 (ETA AQ-Axial-iFR)	1 cps
Tl 190.856 (ETA AQ-Axial-iFR)	1 cps
Se 196.090 (ETA AQ-Axial-iFR)	2 cps
Mo 202.030 (ETA AQ-Axial-iFR)	4 cps
Zn 206.200 (ETA AQ-Axial-iFR)	9 cps
Sb 206.833 (ETA AQ-Axial-iFR)	2 cps
B 208.959 (ETA AQ-Axial-iFR)	6 cps
P 213.618 (ETA AQ-Axial-iFR)	-1 cps
Pb 220.353 (ETA AQ-Axial-iFR)	1 cps
Y 224.306 (ETA AQ-Axial-iFR)	687 cps
Y 224.306 (ETA AQ-Radial-iFR)	195 cps
Co 228.616 (ETA AQ-Axial-iFR)	1 cps

Analyte (Measure Mode)	IS Corrected Intensity Average
Cd 228.802 (ETA AQ-Axial-iFR)	3 cps
In 230.606 (ETA AQ-Axial-iFR)	585 cps
Ni 231.604 (ETA AQ-Axial-iFR)	3 cps
Mn 257.610 (ETA AQ-Radial-iFR)	14 cps
Fe 259.940 (ETA AQ-Axial-iFR)	59 cps
Cr 267.716 (ETA AQ-Axial-iFR)	5 cps
Fe 271.441 (ETA AQ-Radial-iFR)	1 cps
Mg 279.079 (ETA AQ-Radial-iFR)	13 cps
Si 288.158 (ETA AQ-Radial-iFR)	68 cps
V 292.402 (ETA AQ-Axial-iFR)	11 cps
Al 308.215 (ETA AQ-Radial-iFR)	21 cps
Be 313.042 (ETA AQ-Radial-iFR)	48 cps
Ca 317.933 (ETA AQ-Radial-iFR)	144 cps
Cu 327.396 (ETA AQ-Axial-iFR)	29 cps
Ag 328.068 (ETA AQ-Axial-iFR)	22 cps
Ti 334.904 (ETA AQ-Axial-iFR)	14 cps
Ti 334.941 (ETA AQ-Axial-iFR)	43 cps
Y 360.073 (ETA AQ-Axial-iFR)	11,343 cps
Y 360.073 (ETA AQ-Radial-iFR)	2,502 cps
Y 377.433 (ETA AQ-Radial-iFR)	3,241 cps
Sr 407.771 (ETA AQ-Radial-iFR)	185 cps
Ba 455.403 (ETA AQ-Radial-iFR)	50 cps
Na 589.592 (ETA AQ-Radial-iFR)	756 cps
Li 670.784 (ETA AQ-Radial-iFR)	96 cps
K 766.490 (ETA AQ-Radial-iFR)	92 cps
Na 818.326 (ETA AQ-Radial-iFR)	15 cps

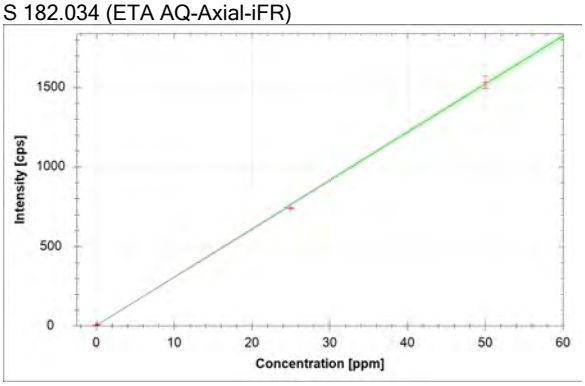
Calibration Summary

9/25/2024 3:55:13 PM

LabBook: I320240925E.imexp

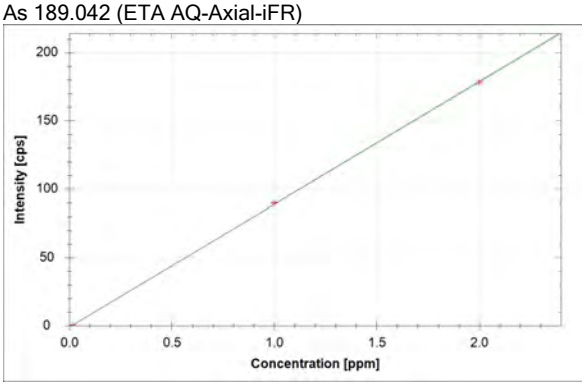
Calibration Graphs

S 182.034 (ETA AQ-Axial-iFR)



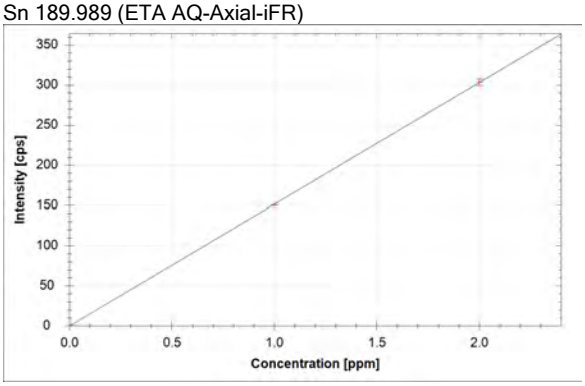
f(x) = 30.3645*x + 2.9235
R² = 0.9996
BEC = 0.096 ppm
LoD = 0.0129 ppm

As 189.042 (ETA AQ-Axial-iFR)



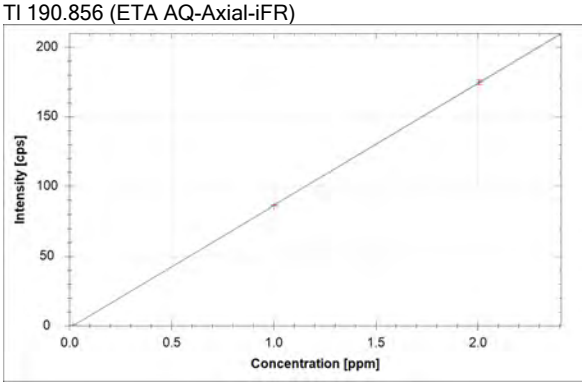
f(x) = 89.8084*x + -0.8514
R² = 1.0000
BEC = -0.009 ppm
LoD = 0.0079 ppm

Sn 189.989 (ETA AQ-Axial-iFR)



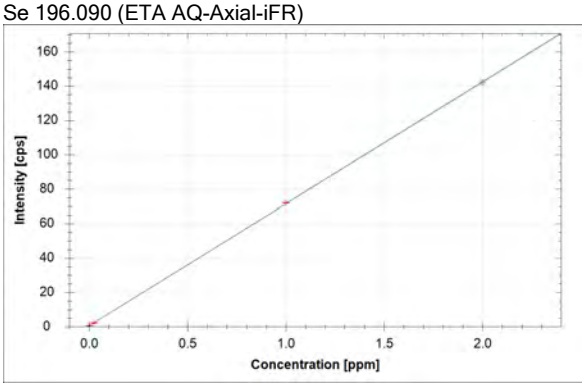
f(x) = 151.6483*x + -0.1835
R² = 1.0000
BEC = -0.001 ppm
LoD = 0.0028 ppm

Tl 190.856 (ETA AQ-Axial-iFR)



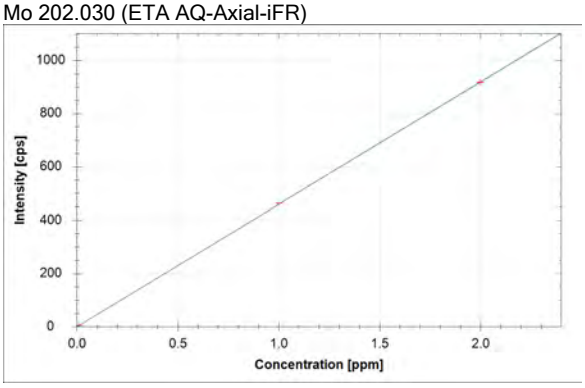
f(x) = 87.7283*x + -1.4655
R² = 1.0000
BEC = -0.017 ppm
LoD = 0.0076 ppm

Se 196.090 (ETA AQ-Axial-iFR)



f(x) = 70.9489*x + 0.5709
R² = 1.0000
BEC = 0.008 ppm
LoD = 0.0039 ppm

Mo 202.030 (ETA AQ-Axial-iFR)



f(x) = 459.5530*x + -0.0766
R² = 1.0000
BEC = 0.000 ppm
LoD = 0.0013 ppm

Calibration Summary

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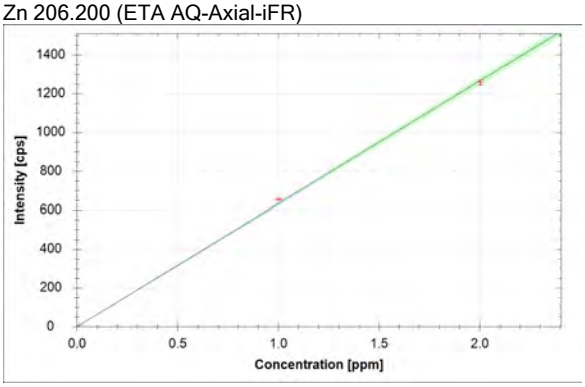
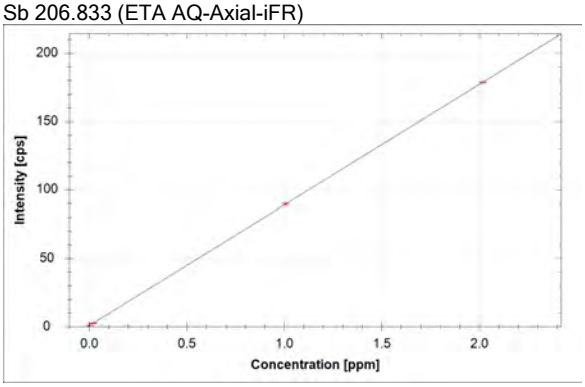
Zn 206.200 (ETA AQ-Axial-iFR)



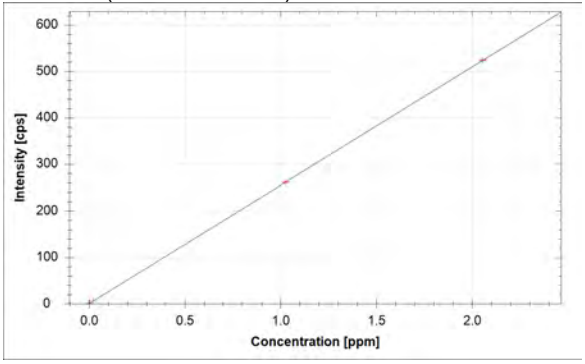
f(x) = 632.8761*x + -0.1668
R² = 0.9995
BEC = 0.000 ppm
LoD = 0.0012 ppm

Sb 206.833 (ETA AQ-Axial-iFR)



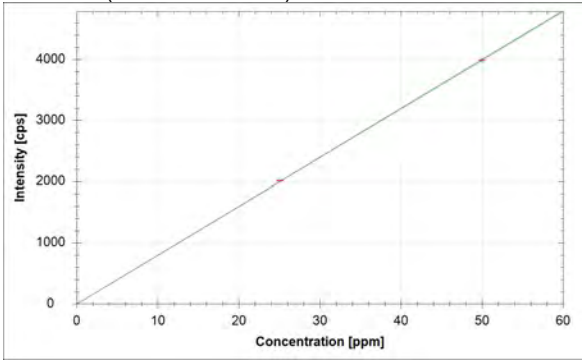
f(x) = 88.1595*x + 0.7300
R² = 1.0000
BEC = 0.008 ppm
LoD = 0.0030 ppm

B 208.959 (ETA AQ-Axial-iFR)



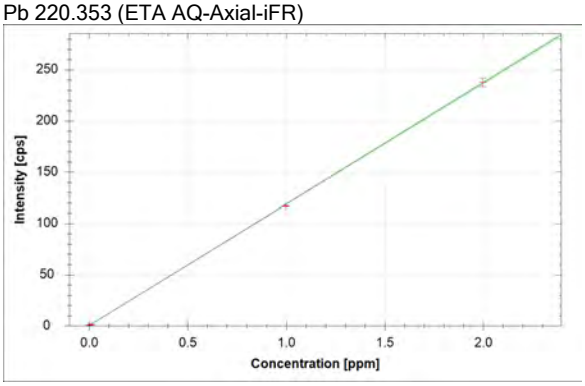
f(x) = 254.5390*x + 0.5808
R² = 1.0000
BEC = 0.002 ppm
LoD = 0.0011 ppm

P 213.618 (ETA AQ-Axial-iFR)



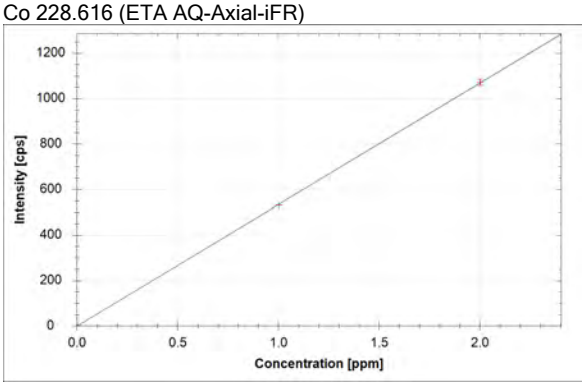
f(x) = 79.9223*x + -1.8817
R² = 1.0000
BEC = -0.024 ppm
LoD = 0.0066 ppm

Pb 220.353 (ETA AQ-Axial-iFR)



f(x) = 118.5116*x + 0.3035
R² = 0.9999
BEC = 0.003 ppm
LoD = 0.0051 ppm

Co 228.616 (ETA AQ-Axial-iFR)



f(x) = 534.7649*x + -1.1518
R² = 1.0000
BEC = -0.002 ppm
LoD = 0.0007 ppm

Calibration Summary

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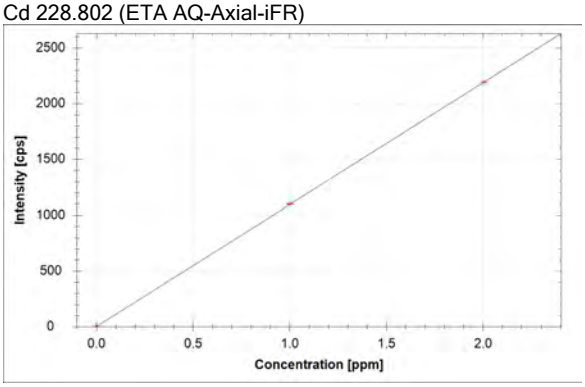
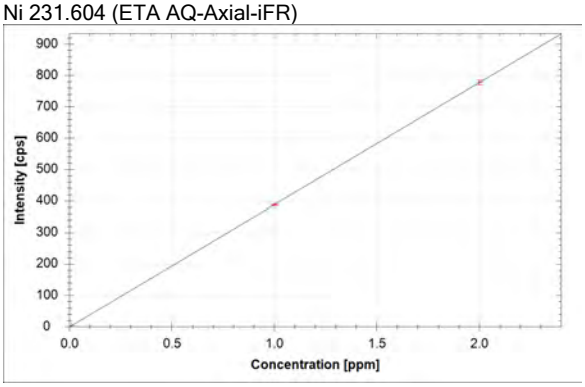
Cd 228.802 (ETA AQ-Axial-iFR)



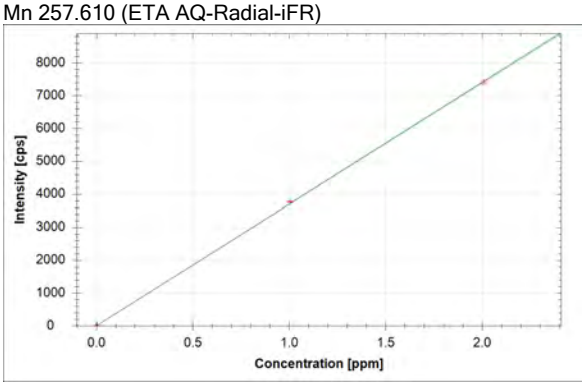
f(x) = 1093.4124*x + 0.7633
R² = 1.0000
BEC = 0.001 ppm
LoD = 0.0004 ppm

Ni 231.604 (ETA AQ-Axial-iFR)



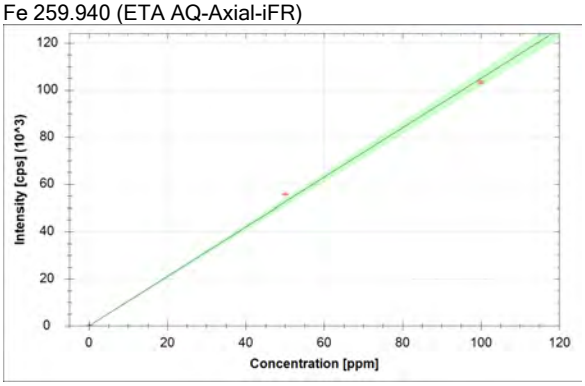
f(x) = 388.9809*x + -0.8020
R² = 1.0000
BEC = -0.002 ppm
LoD = 0.0002 ppm

Mn 257.610 (ETA AQ-Radial-iFR)



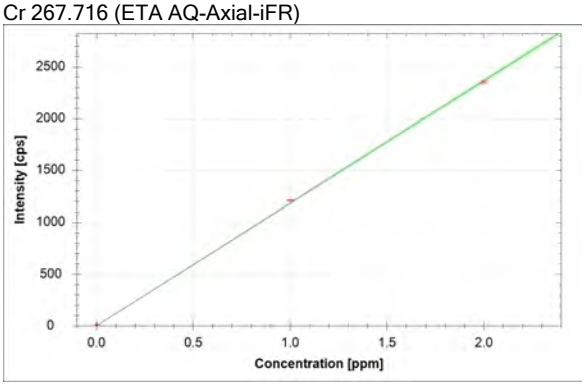
f(x) = 3699.6999*x + 0.4857
R² = 0.9999
BEC = 0.000 ppm
LoD = 0.0001 ppm

Fe 259.940 (ETA AQ-Axial-iFR)



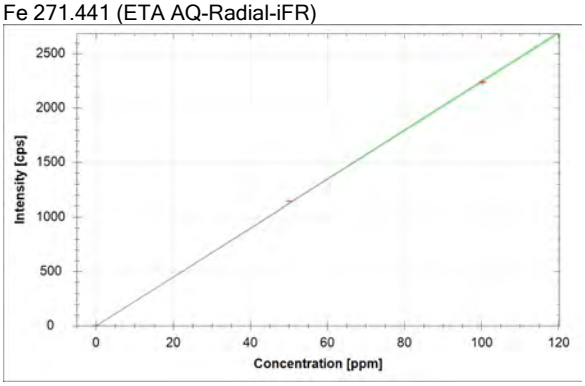
f(x) = 1049.2960*x + 1.1056
R² = 0.9982
BEC = 0.001 ppm
LoD = 0.0012 ppm

Cr 267.716 (ETA AQ-Axial-iFR)



f(x) = 1182.5965*x + 0.1037
R² = 0.9998
BEC = 0.000 ppm
LoD = 0.0003 ppm

Fe 271.441 (ETA AQ-Radial-iFR)



f(x) = 22.4275*x + 0.3330
R² = 0.9999
BEC = 0.015 ppm
LoD = 0.0099 ppm

Calibration Summary

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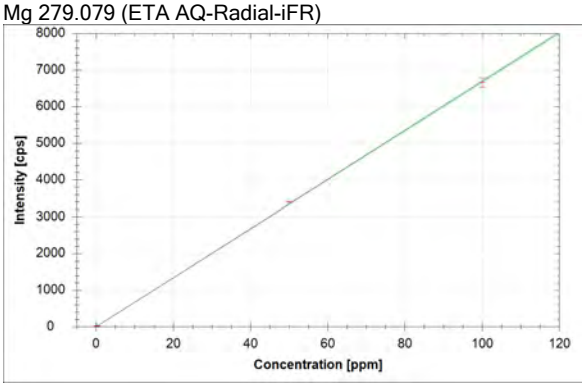
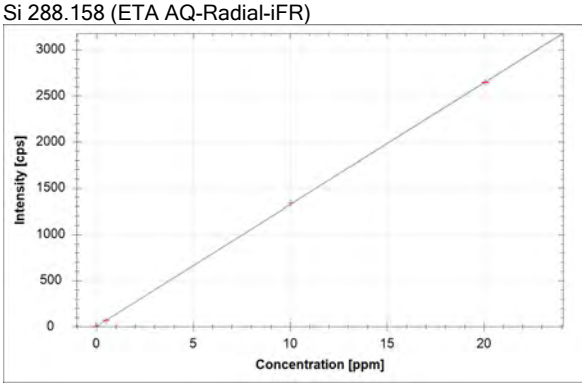
Mg 279.079 (ETA AQ-Radial-iFR)



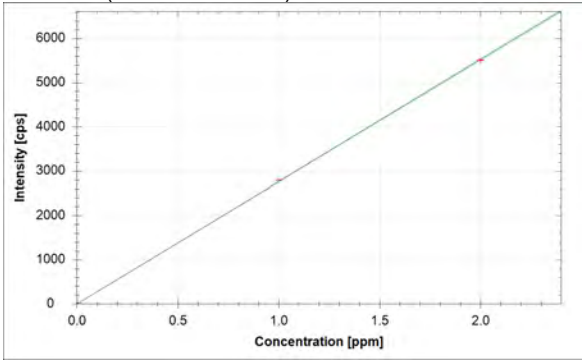
f(x) = 66.8676*x + 0.0279
R² = 0.9999
BEC = 0.000 ppm
LoD = 0.0255 ppm

Si 288.158 (ETA AQ-Radial-iFR)



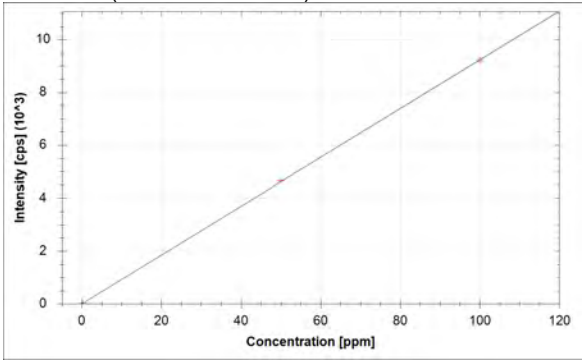
f(x) = 131.9316*x + 3.0843
R² = 1.0000
BEC = 0.023 ppm
LoD = 0.0131 ppm

V 292.402 (ETA AQ-Axial-iFR)



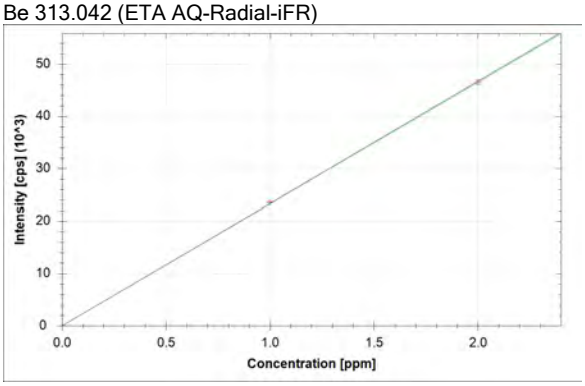
f(x) = 2763.9601*x + -2.0696
R² = 0.9999
BEC = -0.001 ppm
LoD = 0.0005 ppm

Al 308.215 (ETA AQ-Radial-iFR)



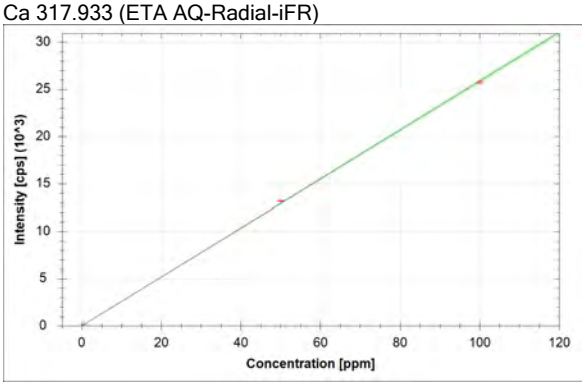
f(x) = 92.2999*x + 1.7729
R² = 1.0000
BEC = 0.019 ppm
LoD = 0.0223 ppm

Be 313.042 (ETA AQ-Radial-iFR)



f(x) = 23332.3641*x + -1.6360
R² = 0.9999
BEC = 0.000 ppm
LoD = 0.0000 ppm

Ca 317.933 (ETA AQ-Radial-iFR)



f(x) = 258.6592*x + 5.8813
R² = 0.9998
BEC = 0.023 ppm
LoD = 0.0026 ppm

Calibration Summary

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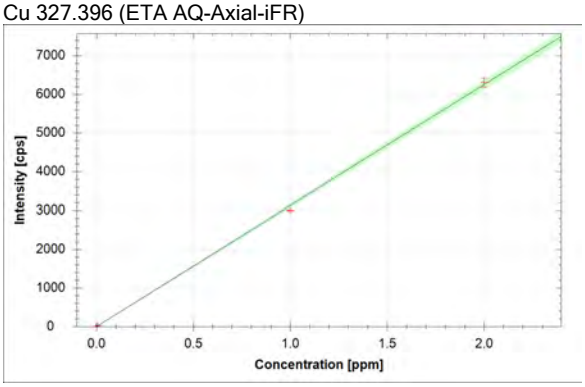
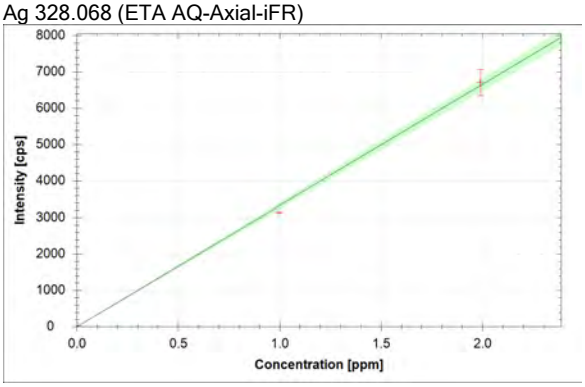
QTEGRA

Cu 327.396 (ETA AQ-Axial-iFR)



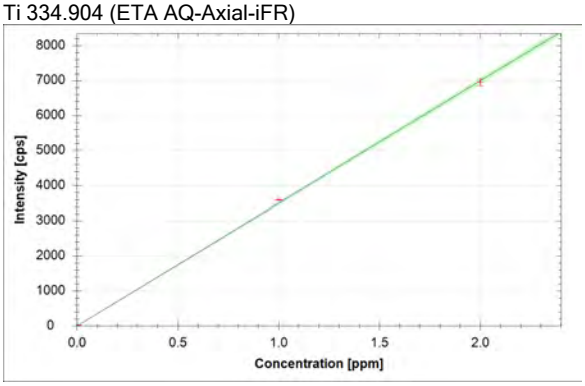
f(x) = 3124.6642*x + 1.4544
R² = 0.9993
BEC = 0.000 ppm
LoD = 0.0010 ppm

Ag 328.068 (ETA AQ-Axial-iFR)



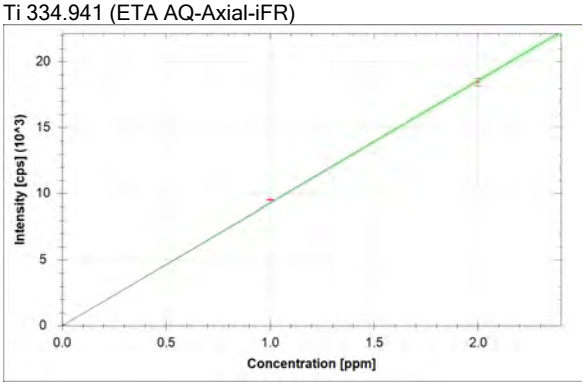
f(x) = 3328.6213*x + -0.2085
R² = 0.9988
BEC = 0.000 ppm
LoD = 0.0008 ppm

Ti 334.904 (ETA AQ-Axial-iFR)



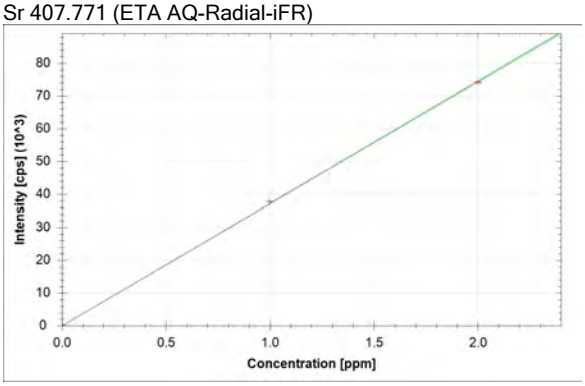
f(x) = 3498.8605*x + -4.4424
R² = 0.9997
BEC = -0.001 ppm
LoD = 0.0003 ppm

Ti 334.941 (ETA AQ-Axial-iFR)



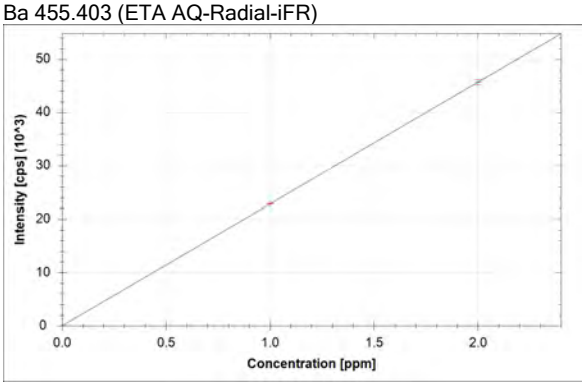
f(x) = 9286.0406*x + -1.8796
R² = 0.9997
BEC = 0.000 ppm
LoD = 0.0001 ppm

Sr 407.771 (ETA AQ-Radial-iFR)



f(x) = 37251.8708*x + -9.5318
R² = 0.9999
BEC = 0.000 ppm
LoD = 0.0001 ppm

Ba 455.403 (ETA AQ-Radial-iFR)



f(x) = 22843.0354*x + -0.1231
R² = 1.0000
BEC = 0.000 ppm
LoD = 0.0002 ppm

Calibration Summary

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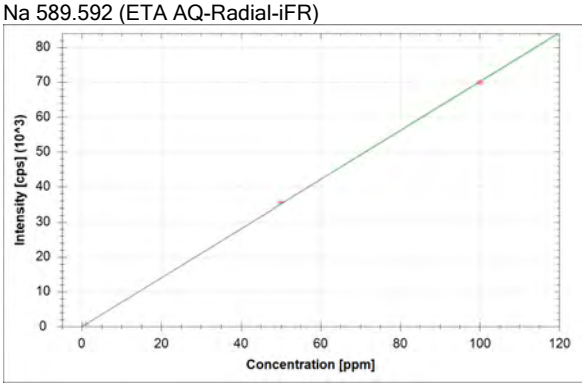
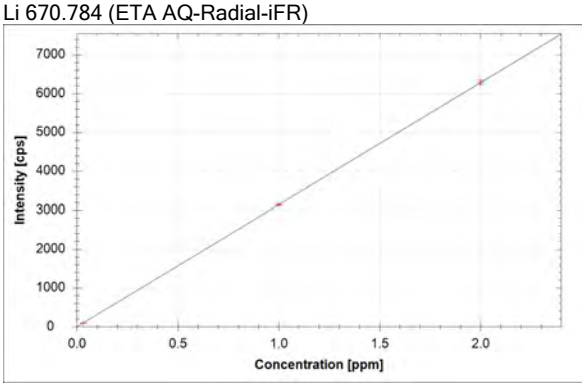
Na 589.592 (ETA AQ-Radial-iFR)



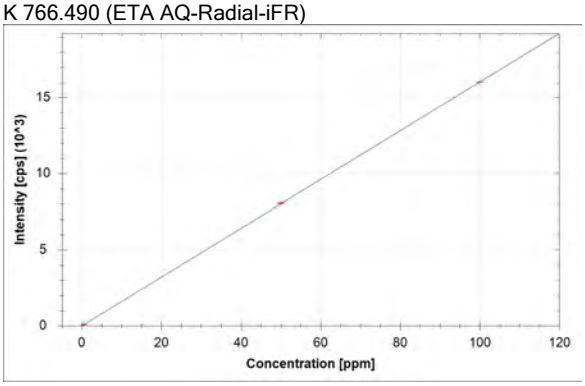
f(x) = 701.6230*x + 2.6853
R² = 0.9999
BEC = 0.004 ppm
LoD = 0.0035 ppm

Li 670.784 (ETA AQ-Radial-iFR)



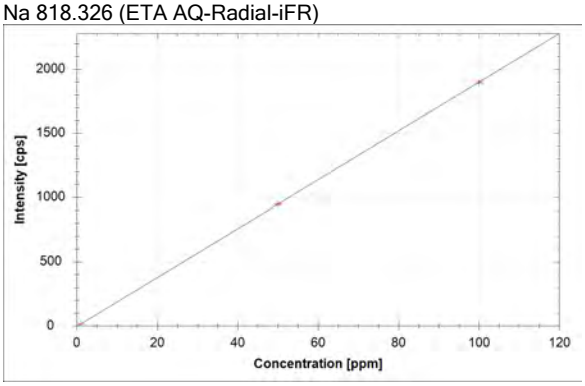
f(x) = 3141.5067*x + -1.4568
R² = 1.0000
BEC = 0.000 ppm
LoD = 0.0005 ppm

K 766.490 (ETA AQ-Radial-iFR)



f(x) = 160.2459*x + 2.8361
R² = 1.0000
BEC = 0.018 ppm
LoD = 0.0163 ppm

Na 818.326 (ETA AQ-Radial-iFR)



f(x) = 19.0282*x + -4.0985
R² = 1.0000
BEC = -0.215 ppm
LoD = 0.1551 ppm

Calibration Summary

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QTEGRA

Standards

Standard: IC-8053374
Analysis started at: 9/25/2024 2:11:26 PM
Standard (Stock): IC-8053374
Standard DF: 1

Analyte (Measure Mode)	Concentration average	Concentration RSD	Standard Concentration	Intensity average	Standard Relative Difference
S 182.034 (ETA AQ-Axial-iFR)	0.184 ppm	2.8 %	0.200 ppm	9 cps	7.915 %
As 189.042 (ETA AQ-Axial-iFR)	0.017 ppm	8.2 %	0.015 ppm	1 cps	14.581 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.010 ppm	6.9 %	0.010 ppm	1 cps	4.147 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.025 ppm	4.1 %	0.020 ppm	1 cps	25.001 %
Se 196.090 (ETA AQ-Axial-iFR)	0.022 ppm	22.7 %	0.025 ppm	2 cps	12.794 %
Mo 202.030 (ETA AQ-Axial-iFR)	0.011 ppm	3.2 %	0.010 ppm	5 cps	5.584 %
Zn 206.200 (ETA AQ-Axial-iFR)	0.011 ppm	1.1 %	0.010 ppm	7 cps	6.704 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.021 ppm	15.1 %	0.020 ppm	3 cps	2.606 %
B 208.959 (ETA AQ-Axial-iFR)	0.018 ppm	2.1 %	0.020 ppm	6 cps	8.005 %
P 213.618 (ETA AQ-Axial-iFR)	N/A	N/A	N/A	-1 cps	N/A
Pb 220.353 (ETA AQ-Axial-iFR)	0.008 ppm	17.2 %	0.010 ppm	1 cps	17.165 %
Y 224.306 (ETA AQ-Axial-iFR)	103.259 %	0.4 %		709 cps	0.000 %
Y 224.306 (ETA AQ-Radial-iFR)	99.417 %	0.5 %		194 cps	0.000 %
Co 228.616 (ETA AQ-Axial-iFR)	0.004 ppm	1.2 %	0.004 ppm	1 cps	9.834 %
Cd 228.802 (ETA AQ-Axial-iFR)	0.002 ppm	2.7 %	0.002 ppm	3 cps	7.581 %
In 230.606 (ETA AQ-Axial-iFR)	104.649 %	0.3 %		612 cps	0.000 %
Ni 231.604 (ETA AQ-Axial-iFR)	0.011 ppm	4.5 %	0.010 ppm	3 cps	5.908 %
Mn 257.610 (ETA AQ-Radial-iFR)	0.003 ppm	7.8 %	0.003 ppm	12 cps	2.674 %
Fe 259.940 (ETA AQ-Axial-iFR)	0.055 ppm	0.8 %	0.050 ppm	61 cps	10.181 %
Cr 267.716 (ETA AQ-Axial-iFR)	0.004 ppm	4.8 %	0.004 ppm	5 cps	8.493 %
Fe 271.441 (ETA AQ-Radial-iFR)	0.046 ppm	45.3 %	0.050 ppm	1 cps	8.704 %
Mg 279.079 (ETA AQ-Radial-iFR)	0.199 ppm	7.3 %	0.200 ppm	13 cps	0.699 %
Si 288.158 (ETA AQ-Radial-iFR)	0.487 ppm	1.4 %	0.500 ppm	67 cps	2.503 %
V 292.402 (ETA AQ-Axial-iFR)	0.005 ppm	2.8 %	0.005 ppm	13 cps	4.745 %
Al 308.215 (ETA AQ-Radial-iFR)	0.197 ppm	2.1 %	0.200 ppm	20 cps	1.453 %
Be 313.042 (ETA AQ-Radial-iFR)	0.002 ppm	1.7 %	0.002 ppm	46 cps	2.898 %
Ca 317.933 (ETA AQ-Radial-iFR)	0.501 ppm	0.8 %	0.500 ppm	134 cps	0.136 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.009 ppm	1.3 %	0.010 ppm	32 cps	6.102 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.006 ppm	1.4 %	0.006 ppm	22 cps	5.481 %
Ti 334.904 (ETA AQ-Axial-iFR)	0.005 ppm	3.4 %	0.005 ppm	14 cps	0.188 %
Ti 334.941 (ETA AQ-Axial-iFR)	0.005 ppm	0.6 %	0.005 ppm	44 cps	5.818 %
Y 360.073 (ETA AQ-Axial-iFR)	104.698 %	0.1 %		11,876 cps	0.000 %
Y 360.073 (ETA AQ-Radial-iFR)	98.863 %	0.6 %		2,473 cps	0.000 %
Y 377.433 (ETA AQ-Radial-iFR)	99.012 %	0.3 %		3,209 cps	0.000 %
Sr 407.771 (ETA AQ-Radial-iFR)	0.005 ppm	0.8 %	0.005 ppm	176 cps	0.418 %
Ba 455.403 (ETA AQ-Radial-iFR)	0.002 ppm	0.6 %	0.002 ppm	45 cps	0.163 %
Na 589.592 (ETA AQ-Radial-iFR)	1.013 ppm	1.0 %	1.000 ppm	706 cps	1.286 %
Li 670.784 (ETA AQ-Radial-iFR)	0.030 ppm	2.3 %	0.030 ppm	92 cps	0.165 %
K 766.490 (ETA AQ-Radial-iFR)	0.497 ppm	2.0 %	0.500 ppm	82 cps	0.508 %
Na 818.326 (ETA AQ-Radial-iFR)	0.948 ppm	4.8 %	1.000 ppm	14 cps	5.187 %

Standard: IC-8053377
Analysis started at: 9/25/2024 2:13:19 PM
Standard (Stock): IC-8053377
Standard DF: 1

Analyte (Measure Mode)	Concentration average	Concentration RSD	Standard Concentration	Intensity average	Standard Relative Difference
S 182.034 (ETA AQ-Axial-iFR)	24.266 ppm	0.1 %	25.000 ppm	777 cps	2.936 %
As 189.042 (ETA AQ-Axial-iFR)	1.010 ppm	0.4 %	1.000 ppm	94 cps	1.021 %
Sn 189.989 (ETA AQ-Axial-iFR)	0.995 ppm	0.3 %	1.000 ppm	164 cps	0.505 %
Tl 190.856 (ETA AQ-Axial-iFR)	0.995 ppm	0.2 %	1.000 ppm	94 cps	0.499 %
Se 196.090 (ETA AQ-Axial-iFR)	1.008 ppm	0.4 %	1.000 ppm	76 cps	0.839 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.008 ppm	0.2 %	1.000 ppm	486 cps	0.770 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.032 ppm	0.5 %	1.000 ppm	712 cps	3.220 %
Sb 206.833 (ETA AQ-Axial-iFR)	0.999 ppm	0.8 %	1.000 ppm	94 cps	0.061 %
B 208.959 (ETA AQ-Axial-iFR)	0.996 ppm	0.3 %	1.000 ppm	274 cps	0.446 %
P 213.618 (ETA AQ-Axial-iFR)	25.196 ppm	0.3 %	25.000 ppm	2,112 cps	0.783 %
Pb 220.353 (ETA AQ-Axial-iFR)	0.984 ppm	0.4 %	1.000 ppm	127 cps	1.576 %
Y 224.306 (ETA AQ-Axial-iFR)	104.970 %	0.6 %		721 cps	0.000 %
Y 224.306 (ETA AQ-Radial-iFR)	97.073 %	0.4 %		189 cps	0.000 %

Calibration Summary

9/25/2024 3:55:13 PM

QTEGRA

Analyte (Measure Mode)	Concentration average	Concentration RSD	Standard Concentration	Intensity average	Standard Relative Difference
Co 228.616 (ETA AQ-Axial-iFR)	0.993 ppm	0.3 %	1.000 ppm	577 cps	0.739 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.003 ppm	0.3 %	1.000 ppm	1,154 cps	0.310 %
In 230.606 (ETA AQ-Axial-iFR)	108.749 %	0.5 %		636 cps	0.000 %
Ni 231.604 (ETA AQ-Axial-iFR)	0.997 ppm	0.5 %	1.000 ppm	421 cps	0.296 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.013 ppm	0.3 %	1.000 ppm	3,649 cps	1.267 %
Fe 259.940 (ETA AQ-Axial-iFR)	53.085 ppm	0.3 %	50.000 ppm	58,479 cps	6.170 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.023 ppm	0.4 %	1.000 ppm	1,316 cps	2.308 %
Fe 271.441 (ETA AQ-Radial-iFR)	50.851 ppm	0.3 %	50.000 ppm	1,108 cps	1.702 %
Mg 279.079 (ETA AQ-Radial-iFR)	50.755 ppm	0.2 %	50.000 ppm	3,290 cps	1.511 %
Si 288.158 (ETA AQ-Radial-iFR)	10.072 ppm	0.1 %	10.000 ppm	1,296 cps	0.720 %
V 292.402 (ETA AQ-Axial-iFR)	1.013 ppm	0.2 %	1.000 ppm	3,043 cps	1.271 %
Al 308.215 (ETA AQ-Radial-iFR)	50.319 ppm	0.1 %	50.000 ppm	4,504 cps	0.638 %
Be 313.042 (ETA AQ-Radial-iFR)	1.012 ppm	0.1 %	1.000 ppm	22,886 cps	1.196 %
Ca 317.933 (ETA AQ-Radial-iFR)	50.963 ppm	0.3 %	50.000 ppm	12,789 cps	1.926 %
Cu 327.396 (ETA AQ-Axial-iFR)	0.960 ppm	0.4 %	1.000 ppm	3,149 cps	3.972 %
Ag 328.068 (ETA AQ-Axial-iFR)	0.948 ppm	0.1 %	1.000 ppm	3,416 cps	5.166 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.027 ppm	0.3 %	1.000 ppm	3,907 cps	2.682 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.026 ppm	0.3 %	1.000 ppm	10,363 cps	2.602 %
Y 360.073 (ETA AQ-Axial-iFR)	108.785 %	0.3 %		12,339 cps	0.000 %
Y 360.073 (ETA AQ-Radial-iFR)	96.620 %	0.5 %		2,417 cps	0.000 %
Y 377.433 (ETA AQ-Radial-iFR)	96.932 %	0.5 %		3,141 cps	0.000 %
Sr 407.771 (ETA AQ-Radial-iFR)	1.014 ppm	0.1 %	1.000 ppm	36,617 cps	1.431 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.001 ppm	0.2 %	1.000 ppm	22,172 cps	0.127 %
Na 589.592 (ETA AQ-Radial-iFR)	50.605 ppm	0.2 %	50.000 ppm	34,419 cps	1.210 %
Li 670.784 (ETA AQ-Radial-iFR)	0.996 ppm	0.6 %	1.000 ppm	3,030 cps	0.439 %
K 766.490 (ETA AQ-Radial-iFR)	50.180 ppm	0.5 %	50.000 ppm	7,797 cps	0.360 %
Na 818.326 (ETA AQ-Radial-iFR)	50.045 ppm	0.6 %	50.000 ppm	919 cps	0.090 %

Standard: IC-8053393
Analysis started at: 9/25/2024 2:15:12 PM
Standard (Stock): IC-8053393
Standard DF: 1

Analyte (Measure Mode)	Concentration average	Concentration RSD	Standard Concentration	Intensity average	Standard Relative Difference
S 182.034 (ETA AQ-Axial-iFR)	50.367 ppm	2.5 %	50.000 ppm	1,557 cps	0.734 %
As 189.042 (ETA AQ-Axial-iFR)	1.995 ppm	0.6 %	2.000 ppm	181 cps	0.256 %
Sn 189.989 (ETA AQ-Axial-iFR)	2.003 ppm	1.4 %	2.000 ppm	312 cps	0.126 %
Tl 190.856 (ETA AQ-Axial-iFR)	2.002 ppm	1.0 %	2.000 ppm	180 cps	0.122 %
Se 196.090 (ETA AQ-Axial-iFR)	1.996 ppm	0.8 %	2.000 ppm	144 cps	0.208 %
Mo 202.030 (ETA AQ-Axial-iFR)	1.996 ppm	0.2 %	2.000 ppm	932 cps	0.193 %
Zn 206.200 (ETA AQ-Axial-iFR)	1.984 ppm	1.0 %	2.000 ppm	1,338 cps	0.805 %
Sb 206.833 (ETA AQ-Axial-iFR)	2.000 ppm	0.4 %	2.000 ppm	181 cps	0.015 %
B 208.959 (ETA AQ-Axial-iFR)	2.002 ppm	0.4 %	2.000 ppm	532 cps	0.112 %
P 213.618 (ETA AQ-Axial-iFR)	49.902 ppm	0.3 %	50.000 ppm	4,051 cps	0.196 %
Pb 220.353 (ETA AQ-Axial-iFR)	2.008 ppm	1.7 %	2.000 ppm	244 cps	0.394 %
Y 224.306 (ETA AQ-Axial-iFR)	101.615 %	1.1 %		698 cps	0.000 %
Y 224.306 (ETA AQ-Radial-iFR)	96.579 %	0.9 %		188 cps	0.000 %
Co 228.616 (ETA AQ-Axial-iFR)	2.004 ppm	1.3 %	2.000 ppm	1,101 cps	0.185 %
Cd 228.802 (ETA AQ-Axial-iFR)	1.998 ppm	0.4 %	2.000 ppm	2,226 cps	0.078 %
In 230.606 (ETA AQ-Axial-iFR)	102.729 %	2.5 %		601 cps	0.000 %
Ni 231.604 (ETA AQ-Axial-iFR)	2.001 ppm	0.9 %	2.000 ppm	799 cps	0.074 %
Mn 257.610 (ETA AQ-Radial-iFR)	1.994 ppm	0.7 %	2.000 ppm	7,243 cps	0.317 %
Fe 259.940 (ETA AQ-Axial-iFR)	98.458 ppm	0.4 %	100.000 ppm	105,000 cps	1.542 %
Cr 267.716 (ETA AQ-Axial-iFR)	1.988 ppm	0.6 %	2.000 ppm	2,501 cps	0.577 %
Fe 271.441 (ETA AQ-Radial-iFR)	99.574 ppm	0.3 %	100.000 ppm	2,187 cps	0.426 %
Mg 279.079 (ETA AQ-Radial-iFR)	99.622 ppm	1.9 %	100.000 ppm	6,510 cps	0.378 %
Si 288.158 (ETA AQ-Radial-iFR)	19.964 ppm	0.2 %	20.000 ppm	2,587 cps	0.179 %
V 292.402 (ETA AQ-Axial-iFR)	1.994 ppm	0.2 %	2.000 ppm	5,857 cps	0.318 %
Al 308.215 (ETA AQ-Radial-iFR)	99.841 ppm	0.7 %	100.000 ppm	9,008 cps	0.159 %
Be 313.042 (ETA AQ-Radial-iFR)	1.994 ppm	0.8 %	2.000 ppm	45,472 cps	0.299 %
Ca 317.933 (ETA AQ-Radial-iFR)	99.519 ppm	0.5 %	100.000 ppm	25,175 cps	0.481 %
Cu 327.396 (ETA AQ-Axial-iFR)	2.020 ppm	1.9 %	2.000 ppm	6,410 cps	0.993 %
Ag 328.068 (ETA AQ-Axial-iFR)	2.026 ppm	5.4 %	2.000 ppm	7,133 cps	1.291 %
Ti 334.904 (ETA AQ-Axial-iFR)	1.987 ppm	1.4 %	2.000 ppm	7,393 cps	0.670 %
Ti 334.941 (ETA AQ-Axial-iFR)	1.987 ppm	1.6 %	2.000 ppm	19,620 cps	0.650 %
Y 360.073 (ETA AQ-Axial-iFR)	106.330 %	1.3 %		12,061 cps	0.000 %
Y 360.073 (ETA AQ-Radial-iFR)	98.117 %	1.3 %		2,454 cps	0.000 %

Calibration Summary

9/25/2024 3:55:13 PM

QTEGRA

Analyte (Measure Mode)	Concentration average	Concentration RSD	Standard Concentration	Intensity average	Standard Relative Difference
Y 377.433 (ETA AQ-Radial-iFR)	97.736 %	1.1 %		3,167 cps	0.000 %
Sr 407.771 (ETA AQ-Radial-iFR)	1.993 ppm	0.4 %	2.000 ppm	72,548 cps	0.358 %
Ba 455.403 (ETA AQ-Radial-iFR)	1.999 ppm	1.1 %	2.000 ppm	44,644 cps	0.032 %
Na 589.592 (ETA AQ-Radial-iFR)	99.697 ppm	0.5 %	100.000 ppm	68,366 cps	0.303 %
Li 670.784 (ETA AQ-Radial-iFR)	2.002 ppm	0.8 %	2.000 ppm	6,146 cps	0.110 %
K 766.490 (ETA AQ-Radial-iFR)	99.910 ppm	0.1 %	100.000 ppm	15,651 cps	0.090 %
Na 818.326 (ETA AQ-Radial-iFR)	99.978 ppm	0.4 %	100.000 ppm	1,855 cps	0.022 %

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726051 Batch Start Date: 09/25/24 08:16 Batch Analyst: O'Brien, Emily M

Batch Method: 3005A Batch End Date: 09/25/24 11:50

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	MED_03_Ag 00212	MEP_Mix4 00011	Spike Mx 1 00006	Spike Mx 2 00003
MB 480-726051/1		3005A, 6010C			50 mL	50 mL				
LCS 480-726051/2		3005A, 6010C			50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
LCSD 480-726051/3		3005A, 6010C			50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-223647-A-1	GW-13D-09232024	3005A, 6010C	Water	T	50 mL	50 mL				
480-223647-A-2	GW-M-27D-09232024	3005A, 6010C	Water	T	50 mL	50 mL				
480-223647-A-3	SW-B-09232024	3005A, 6010C	Water	T	50 mL	50 mL				
480-223647-A-3 MS	SW-B-09232024-MS	3005A, 6010C	Water	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-223647-A-3 MSD	SW-B-09232024-MSD	3005A, 6010C	Water	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-223647-A-4	FD-1-09232024	3005A, 6010C	Water	T	50 mL	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	Spike Mx 3 00003					
MB 480-726051/1		3005A, 6010C								
LCS 480-726051/2		3005A, 6010C			0.25 mL					
LCSD 480-726051/3		3005A, 6010C			0.25 mL					
480-223647-A-1	GW-13D-09232024	3005A, 6010C	Water	T						
480-223647-A-2	GW-M-27D-09232024	3005A, 6010C	Water	T						
480-223647-A-3	SW-B-09232024	3005A, 6010C	Water	T						
480-223647-A-3 MS	SW-B-09232024-MS	3005A, 6010C	Water	T	0.25 mL					
480-223647-A-3 MSD	SW-B-09232024-MSD	3005A, 6010C	Water	T	0.25 mL					
480-223647-A-4	FD-1-09232024	3005A, 6010C	Water	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726051 Batch Start Date: 09/25/24 08:16 Batch Analyst: O'Brien, Emily M

Batch Method: 3005A Batch End Date: 09/25/24 11:50

Batch Notes	
Digestion Tube/Cup ID	LV24051404
Pipette/Syringe/Dispenser ID	MDL-1
Analyst ID - Spike Analyst	EO
Hydrochloric Acid ID	8065175
Nitric Acid ID	8074173
Digestion Unit ID	C
Thermometer ID	211049591
Thermometer Location ID	D3
Temperature - Uncorrected - Start	94.6 Degrees C
Temperature - Corrected - Start	94.7 Degrees C
Digestion Start Time	09/25/2024 08:16
Digestion End Time	09/25/2024 11:50
Temperature - Uncorrected - End	93.3 Degrees C
Temperature - Corrected - End	93.4 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-223647-1

SDG No.: 480-223647-1

Project: Malta Rocket Fuel (MRFA)

Client Sample ID	Lab Sample ID
GW-13D-09232024	480-223647-1
GW-M-27D-09232024	480-223647-2
SW-B-09232024	480-223647-3
FD-1-09232024	480-223647-4

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-13D-09232024 Lab Sample ID: 480-223647-1

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG ID.: 480-223647-1

Matrix: Water Date Sampled: 09/23/2024 12:00

Reporting Basis: WET Date Received: 09/24/2024 10:00

Preparation Batch Number: Instrument ID: Gen Spec #2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium, hexavalent	0.010	0.010	0.0050	mg/L	U	H	1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-M-27D-09232024 Lab Sample ID: 480-223647-2

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG ID.: 480-223647-1

Matrix: Water Date Sampled: 09/23/2024 13:20

Reporting Basis: WET Date Received: 09/24/2024 10:00

Preparation Batch Number: Instrument ID: Gen Spec #2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium, hexavalent	0.010	0.010	0.0050	mg/L	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SW-B-09232024 | Lab Sample ID: 480-223647-3

Lab Name: Eurofins Buffalo | Job No.: 480-223647-1

SDG ID.: 480-223647-1

Matrix: Water | Date Sampled: 09/23/2024 14:15

Reporting Basis: WET | Date Received: 09/24/2024 10:00

Preparation Batch Number: | Instrument ID: Gen Spec #2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium, hexavalent	0.010	0.010	0.0050	mg/L	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: FD-1-09232024 Lab Sample ID: 480-223647-4

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG ID.: 480-223647-1

Matrix: Water Date Sampled: 09/23/2024 00:00

Reporting Basis: WET Date Received: 09/24/2024 10:00

Preparation Batch Number: Instrument ID: Gen Spec #2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium, hexavalent	0.010	0.010	0.0050	mg/L	U	H H3	1	7196A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Analyst: RMJ Batch Start Date: 09/24/2024

Reporting Units: mg/L Analytical Batch No.: 726045

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	13:05	Chromium, hexavalent	0.0436	0.0500	87	85-115		HEX INT STD_00133
2	CCB	13:05	Chromium, hexavalent	0.010				U	
11	CCV	13:05	Chromium, hexavalent	0.0473	0.0500	95	85-115		HEX INT STD_00133
12	CCB	13:05	Chromium, hexavalent	0.010				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 726045 Date: 09/24/2024 13:05							
7196A	MB 480-726045/3	Chromium, hexavalent	0.010	U	mg/L	0.010	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 726045 Date: 09/24/2024 13:05											
7196A	480-223647-3	Chromium, hexavalent	0.010	U	mg/L						
7196A	480-223647-3 MS	Chromium, hexavalent	0.0448		mg/L	0.0500	90	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 726045 Date: 09/24/2024 13:05											
7196A	480-223647-3 MSD	Chromium, hexavalent	0.0436		mg/L	0.0500	87	85-115	3	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 726045 Date: 09/24/2024 13:05											
						LCS Source: HEX INT STD_00133					
7196A	LCS 480-726045/4	Chromium, hexavalent	0.0448		mg/L	0.0500	90	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-223647-1

SDG Number: 480-223647-1

Matrix: Water Instrument ID: Gen Spec #2

Method: 7196A MDL Date: 09/30/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chromium, hexavalent		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-223647-1

SDG Number: 480-223647-1

Matrix: Water Instrument ID: Gen Spec #2

Method: 7196A XMDL Date: 09/30/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chromium, hexavalent		0.01	0.005

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Instrument ID: Gen Spec #2 Method: 7196A

Start Date: 09/24/2024 13:05 End Date: 09/24/2024 13:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr6																			
CCV 480-726045/1	1		13:05	X																			
CCB 480-726045/2	1		13:05	X																			
MB 480-726045/3	1	T	13:05	X																			
LCS 480-726045/4	1	T	13:05	X																			
480-223647-1	1	T	13:05	X																			
480-223647-2	1	T	13:05	X																			
480-223647-3	1	T	13:05	X																			
480-223647-3 MS	1	T	13:05	X																			
480-223647-3 MSD	1	T	13:05	X																			
480-223647-4	1	T	13:05	X																			
CCV 480-726045/11	1		13:05	X																			
CCB 480-726045/12	1		13:05	X																			

Prep Types

T = Total/NA

General Chemistry Raw Data Report

Job ID: 480-223647-1
SDG: 480-223647-1

Batch: 726045 **Analyst Initials: RMJ**
Method: 7196A **Instrument: Manual Spec**

Lab Sample ID: CCV 480-726045/1 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0380	0.043624000	mg/L	25 mL	25 mL

Lab Sample ID: CCB 480-726045/2 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0000	-0.0025080000	mg/L	25 mL	25 mL

Lab Sample ID: MB 480-726045/3 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0000	-0.0025080000	mg/L	25 mL	25 mL

Lab Sample ID: LCS 480-726045/4 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0390	0.044838000	mg/L	25 mL	25 mL

Lab Sample ID: 480-223647-B-1 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0000	-0.0025080000	mg/L	25 mL	25 mL

Lab Sample ID: 480-223647-B-2 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0000	-0.0025080000	mg/L	25 mL	25 mL

Lab Sample ID: 480-223647-B-3 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0000	-0.0025080000	mg/L	25 mL	25 mL

Lab Sample ID: 480-223647-B-3 MS — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0390	0.044838000	mg/L	25 mL	25 mL

Lab Sample ID: 480-223647-B-3 MSD — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0380	0.043624000	mg/L	25 mL	25 mL

Lab Sample ID: 480-223647-B-4 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0000	-0.0025080000	mg/L	25 mL	25 mL

Lab Sample ID: CCV 480-726045/11 — Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0410	0.047266000	mg/L	25 mL	25 mL

Batch: 726045 (Continued)
Method: 7196A

Analyst Initials: RMJ
Instrument: Manual Spec

Lab Sample ID: CCB 480-726045/12

Analysis Date: Sep 24, 2024 13:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chromium, hexavalent	UV	1	0.0000	-0.0025080000	mg/L	25 mL	25 mL

Laboratory Bench Sheet
Hexavalent Chromium 7196/ 3500_CR

Analyst:	BJ
Start Date:	9/24/24
Start Time:	13:05
End Date:	9/24/24
End Time	13:45
DATE OF CURVE=	9/10/2024
LOQ/RL: 0.010	mg/L

Calibration Curve Information

	Conc.(mg/L)	ABS.
STD1	0.000	0.000
Std. 2	0.010	0.011
Std. 3	0.020	0.020
Std. 4	0.050	0.046
Std. 5	0.100	0.083
Std. 6	0.200	0.166
Std. 7	0.300	0.248
Std. 8	0.400	0.334

LCS Information:	80593111
Lot#:	
Concentration (mg/L):	10
Expiration Date:	
LCS / True value	0.05
Matrix Spike Information:	
Lot#	80593111
Concentration (mg/L)	10
Expiration Date	
MS / True Value	0.05

BATCH #	726045
Instrument Information	
Instrument:	Genesys 30
Wavelength:	540
Parameter:	Hexavalent Chromium
Corr. Coef:	0.99989
Slope:	0.82525
Intercept:	0.00209

Filter Lot # A3693744 1
EPP # 10Hdd1
Hex Std used for curve: 0
Chroma Ver3 Pillow Packets:

Time	Job #	Sample ID	Final Vol. (mL)	Sample ABS.	color blk corr 0	Corrected ABS.	D.F.	(mg/L)	Final Conc. (mg/L)	% Rec.	pH 1.5 - 2.5 Yes or No
	CCV	CCV	25	0.038	—	0.000	1	0	0.0000	0%	Y
	CCB	CCB	25	0	—	0.000	1	0	0.0000		
	MB	MB	25	0	—	0.000	1	0	0.0000		
	LCS	LCS	25	0.039	—	0.000	1	0	0.0000	0%	
	223604	B-1	25	0	0	0.000	1	0	0.0000		
		B-2	25	0	0	0.000	1	0	0.0000		
		B-3	25	0	0	0.000	1	0	0.0000		
		MSB-3	25	0.039	0	0.000	1	0	0.0000		
		MSDB-3	25	0.038	0	0.000	1	0	0.0000		
		B4	25	0	0	0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
	CCV	CCV	25	0.041	—	0.000	1	0	0.0000	0%	Yes
	CCB	CCB	25	0	—	0.000	1	0	0.0000		Yes
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
			25			0.000	1	0	0.0000		
	CCV	CCV	25			0.000	1	0	0.0000		
	CCB	CCB	25			0.000	1	0	0.0000	0%	

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726045 Batch Start Date: 09/24/24 13:05 Batch Analyst: Jones, Rebecca M

Batch Method: 7196A Batch End Date: 09/24/24 13:45

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ColorBlk	UnCorResp	HEX INT STD 00133	
CCV 480-726045/1		7196A			25 mL	25 mL	0 Absorbance	0.038 Absorbance	125 uL	
CCB 480-726045/2		7196A			25 mL	25 mL	0 Absorbance	0 Absorbance		
MB 480-726045/3		7196A			25 mL	25 mL	0 Absorbance	0 Absorbance		
LCS 480-726045/4		7196A			25 mL	25 mL	0 Absorbance	0.039 Absorbance	125 uL	
480-223647-B-1	GW-13D-09232024	7196A	Water	T	25 mL	25 mL	0 Absorbance	0 Absorbance		
480-223647-B-2	GW-M-27D-09232024	7196A	Water	T	25 mL	25 mL	0 Absorbance	0 Absorbance		
480-223647-B-3	SW-B-09232024	7196A	Water	T	25 mL	25 mL	0 Absorbance	0 Absorbance		
480-223647-B-3 MS	SW-B-09232024-MS	7196A	Water	T	25 mL	25 mL	0 Absorbance	0.039 Absorbance	125 uL	
480-223647-B-3 MSD	SW-B-09232024-MSD	7196A	Water	T	25 mL	25 mL	0 Absorbance	0.038 Absorbance	125 uL	
480-223647-B-4	FD-1-09232024	7196A	Water	T	25 mL	25 mL	0 Absorbance	0 Absorbance		
CCV 480-726045/11		7196A			25 mL	25 mL	0 Absorbance	0.041 Absorbance	125 uL	
CCB 480-726045/12		7196A			25 mL	25 mL	0 Absorbance	0 Absorbance		

Batch Notes	
Color Reagent ID	A4058

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-223647-1

SDG No.: 480-223647-1

Batch Number: 726065 Batch Start Date: 09/24/24 16:45 Batch Analyst: Zahniser, Ian M

Batch Method: 7196A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ColorBlk	UnCorResp	10ppm hex 00010	20ppm hex 00008
IC 480-726065/1		7196A			25 mL	25 mL	0 Absorbance	0 Absorbance		
IC 480-726065/2		7196A			25 mL	25 mL	0 Absorbance	0.011 Absorbance		
IC 480-726065/3		7196A			25 mL	25 mL	0 Absorbance	0.020 Absorbance		
IC 480-726065/4		7196A			25 mL	25 mL	0 Absorbance	0.046 Absorbance	0.125 mL	
IC 480-726065/5		7196A			25 mL	25 mL	0 Absorbance	0.083 Absorbance		0.125 mL
IC 480-726065/6		7196A			25 mL	25 mL	0 Absorbance	0.166 Absorbance		
IC 480-726065/7		7196A			25 mL	25 mL	0 Absorbance	0.248 Absorbance		
IC 480-726065/8		7196A			25 mL	25 mL	0 Absorbance	0.334 Absorbance		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	2ppm hex 00009	40ppm hex 00009	4ppm hex 00010	60ppm hex 00007	80ppm hex 00008	
IC 480-726065/1		7196A								
IC 480-726065/2		7196A			0.125 mL					
IC 480-726065/3		7196A					0.125 mL			
IC 480-726065/4		7196A								
IC 480-726065/5		7196A								
IC 480-726065/6		7196A				0.125 mL				
IC 480-726065/7		7196A						0.125 mL		
IC 480-726065/8		7196A							0.125 mL	

Batch Notes	
Color Reagent ID	A4058

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: COW / TRQ	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-199735-37558.1
Client Contact: Mr. Paul D'Annibale	Phone: 518-730-8656	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of ~~5~~ 1 COW 9/23/24
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #:
Address: 94 New Karner Road Suite 106	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12203	Compliance Project: Δ Yes Δ No			
Phone: 518-724-7256(Tel)	PO #: 1940004949			
Email: Paul.DAnnibale@ramboll.com	WO #:			
Project Name: GE - MRFA	Project #: 48025192			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
D - HNO3
N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175 - Ethane	8260C - TCL VOCs	6010C - Metals - Chromium, Total	7196A - Chromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	D	N		
GW-13D-09232024	9/23/2024	1200	G	Water	N	N	X	X	X	X		
GW-MW-27D-09232024	9/23/2024	1320	G	Water	N	N	X	X	X	X		
SW-B-09232024	9/23/24	1415	G	Water	N	N	X	X	X	X		
SW-B-09232024-MS	9/23/24	1415	G	Water	N	Y	X	X	X	X		
SW-B-09232024-MSD	9/23/24	1415	G	Water	N	Y	X	X	X	X		
FD-1-09232024	9/23/24	—	G	Water	N	N	X	X	X	X		
TB-1-09232024	9/23/24	—	G	Water	N	N		X				
SW-A-09232024	9/23/24	1445	6	Water	N	N	X	X				
				Water								
				Water								
				Water								

480-223647 Chain of Custody

SUK 9/23/24

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Thomas Erickson	9/23/24 1521	Ramboll	Received by:	9/23/24 1521	EETN
Relinquished by:	9/23/24 1700	EETN	Received by:	09/24/24 1000	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.3 IR SC ICE

Ver: 05/06/2024

10/4/2024 12:15:34 PM

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: CDW / TRG	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-199735-37558.2
Client Contact: Mr. Paul D'Annibale	Phone: 518-730-8656	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page ~~1 of 1~~ 1 of 1
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #:
Address: 94 New Karner Road Suite 106	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12203	Compliance Project: Δ Yes Δ No			
Phone: 518-724-7256(Tel)	PO #: 1940004949			
Email: Paul.DAnnibale@ramboll.com	WO #:			
Project Name: GE - MRFA	Project #: 48025192			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
D - HNO3
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175 - Ethane	8260C - TCL VOCs	6010C - Metals - Chromium, Total	7196A - Chromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	D	N		
GW-M-26S-09242024	9/24/24	1050	G	Water	N	N	X	X				
GW-M-26D-09242024	9/24/24	1100	G	Water	N	N	X	X				
GW-11D-09242024	9/24/24	1205	G	Water	N	N	X	X				
GW-MW-1-09242024	9/24/24	1330	G	Water	N	N	X	X				
GW-MW-4-09242024	9/24/24	1330	G	Water	N	N	X	X				
FD-2-09242024	9/24/24	—	G	Water	N	N	X	X				
SW-G-09242024	9/24/24	1410	G	Surface Water	N	N	X	X				
SW-F-09242024	9/24/24	1430	G	Surface Water	N	N	X	X				
SW-E-09242024	9/24/24	1455	G	Surface Water	N	N	X	X				
ED-1-09242024	9/24/24	1555	G	Water	N	N	X	X				
TB-2-09242024	9/24/24	—	G	Water	N	N	X	X				

480-223692 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ramboll	9/24/24 1605	Ramboll		9/24/24 1605	EETN
2		9/24/24 1700	EETN		9/25/24 1032	TAB
3		Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~4~~ 2.4 IR SC

Ver: 05/06/2024

10/4/2024 12:15:34 PM

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: COW TRO	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-199735-37558.3
Client Contact: Mr. Paul D'Annibale	Phone: 518-730-8656	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page ~~3 of 5~~ 1 of 1
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #:
Address: 94 New Karner Road Suite 106	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12203	Compliance Project: Δ Yes Δ No			
Phone: 518-724-7256(Tel)	PO #: 1940004949			
Email: Paul.DAnnibale@ramboll.com	WO #:			
Project Name: GE - MRFA	Project #: 48025192			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
D - HNO3
N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175 - Ethane	8260C - TCL VOCs	6010C - Metals - Chromium, Total	7196A - Chromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	D	N		
EB-2-09252024	9/25/24	08:00	G	Water	N	N	X	X				
GW-45-09252024	9/25/24	09:45	G	Water	N	N	X	X				
GW-40-09252024	9/25/24	09:50	G	Water	N	N	X	X				
GW-m-25D-09252024	9/25/24	10:40	G	Water	N	N	X	X				
GW-m-25S-09252024	9/25/24	10:55	G	Water	N	N	X	X				
GW-m-26D-09252024	9/25/24	12:10	G	Water	N	N	X	X				
GW-m-28D-09252024	9/25/24	1225	G	Water	N	N	X	X				
GW-m-29S-09252024	9/25/24	1255	G	Water	N	N	X	X				
GW-m-28S-09252024	9/25/24	1325	G	Water	N	N	X	X				
SW-D-09252024	9/25/24	1400	G	Water	N	N	X	X				
TB-3-09252024	9/25/24	—	G	Water	N	N	~~X~~	X				

480-223755 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Thomas Ankabrandt Ramboll	9/25/24 1445	Ramboll	Shannon Koch	9/25/24 1445	EETN
Relinquished by: Shannon Koch	Date/Time: 9/25/24 1500	Company EETN	Received by: Cwallace	Date/Time: 9/26/24 1030	Company TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7 IR SC

Ver: 05/06/2024

10/4/2024 12:15:34 PM

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: Lou Cline / TRG Thom Armm	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-199735-37558.5
Client Contact: Mr. Paul D'Annibale	Phone: 518-720-8656	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page ~~5 of 5~~ 1 of 1
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #:
Address: 94 New Karner Road Suite 106	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL D - HNO3 N - None
City: Albany	TAT Requested (days):			
State, Zip: NY, 12203	Compliance Project: Δ Yes Δ No			
Phone: 518-724-7256(Tel)	PO #: 1940004949			Other:
Email: Paul.DAnnibale@ramboll.com	WO #:			
Project Name: GE - MRFA	Project #: 48025192			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175 - Ethane	8260C - TCL VOCs	6010C - Metals - Chromium, Total	7196A - Chromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	D	N		
EB-3-09262024	9/26/24	810	G	Water	N	N	X	X				
GW-10S-09262024	9/26/24	1000	G	Water	N	N	X	X				
GW-10S-09262024-MS	9/26/24	1000	G	Water	N	Y	X	X				
GW-10S-09262024-MSD	9/26/24	1000	G	Water	N	Y	X	X				
GW-DGC-45-09262024	9/26/24	1130	G	Water	N	N	X	X				
GW-13S-09262024	9/26/24	1255	G	Water	N	N	X	X				
GW-M-24DR-09262024	9/26/24	1335	G	Water	N	N	X	X				
TB-4-09262024	9/26/24	—	G	Water	N	~~X~~		X				

480-223784 Chain of Custody

9/26/24

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Chris Heiman	Date/Time: 9/26/24 1445	Company: Ramboll	Received by: Thom Armm / Vint Koch	Date/Time: 9/26/24 1445	Company: EETN
Relinquished by: Shawn Vint Koch	Date/Time: 9/26/24 1500	Company: EETN	Received by: [illegible]	Date/Time: 09/27/24 930	Company: JVA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.1 FR#5C FE

Ver: 05/06/2024

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10/4/2024 12:15:34 PM

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-223647-1
SDG Number: 480-223647-1

Login Number: 223647
List Number: 1
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR#SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	Ramboll
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-223647-1
SDG Number: 480-223647-1

Login Number: 223692
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4 ICE IR #SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-223647-1
SDG Number: 480-223647-1

Login Number: 223755
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-223647-1
SDG Number: 480-223647-1

Login Number: 223784
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix C

Summary of Historic Water Quality Analytical Results

APPENDIX TABLE 1

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	6/29-7/1/1987	7/31/1987	11/5/1987	1/19-1/20/1988	4/18-4/19/1988	7/20-7/21/1988	10/11-10/12/1988	1/19-1/20/1989	4/10/1989	7/12/1989	8/15/1989	11/30/1989
DGC-3S													
Benzene	0.7*	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	<0.005 mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
DGC-4S													
Carbon Disulfide	None*	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Chromium	50*	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
13S													
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
Duplicate sample result shown immediately after parent sample result.
E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in December, 1990.
* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.
** = Filtered Sample.
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Sampling frequency reduced to annually in 2023 upon USEPA approval.

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MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	5/30/1990	8/28/1990	12/6/1990	4/8-4/10/1991	6/12-6/13/1991	9/23-9/24/1991	12/26-12/27/1991	2/10-2/11/1992	6/1-6/2/1992	9/28-9/29/1992	11/18-11/19/1992	3/17-3/18/1993
DGC-3S													
Benzene	0.7*	ND	ND	ND	ND	ND	0.2 J	ND	ND / ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	NA	8 V / 7 V	4	ND	ND	ND / ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	6.1	62.2 E / 70.3 E	16.2/ND*, 14.6/ND*	25.2 / ND*	ND	33.6 / ND*	18.5
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	ND/4*, ND	NA	NA	NA	NA
DGC-4S													
Carbon Disulfide	None*	- -	- -	- -	ND / 0.5 V	ND	ND	ND	ND	ND	ND / ND	4 V	ND
Chromium	50*	- -	- -	- -	NA	NA	15.9	11.9 E	ND / ND*	ND / ND*	ND / ND	8.6 B	48.1 / ND*
13S													
Benzene	0.7*	NA	NA	NA	2	0.7 / 0.6 J	1	ND	ND	ND	ND	0.4 JV	ND
Carbon Disulfide	None*	NA	NA	NA	60 D	0.6	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	18 / 16	6.4	4.4	8	24 J / 24 J	8	12	9	6 J	9	16 V	15
Chloroform	7	ND	ND	ND	ND	0.8 / 0.9 J	ND	0.4 J	0.3 J	ND	ND	0.6 V	0.6
Trichloroethene	5	ND	ND	ND	ND	ND	0.4 J	0.9	0.6	ND	0.6	1 V	2
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	0.9 V	2
Chromium	50*	NA	NA	NA	336 V	NA	269 / 261**	316 E / 562 E**	282 / 498**	504 / 512**	179 / 172**	585 / 576**	746 / 614**
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	280	486 / 302**	260 / 310**	NA	287	493	663

Notes:
Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
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E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
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MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	5/25-5/26/1993	8/24-8/25/1993	11/8-11/9/1993	2/22-2/23/1994	5/18-5/19/1994	8/24-8/25/1994	11/15-11/16/1994	5/23/1995	10/17/1995	5/14/1996	10/23/1996	6/2/1997
DGC-3S													
Benzene	0.7*	ND	ND	ND	ND	ND V	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	0.8	ND	ND	ND V	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	4.3 B	4.7B	19.4	23.9	4.5 B	9.9 B	11.1	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S													
Carbon Disulfide	None*	0.3 J	0.2J	ND	ND	ND V / ND V	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	ND	3.3 B	ND	31.2 / ND*	ND / ND	5.6 B	ND	NA	NA	NA	NA	NA
13S													
Benzene	0.7*	ND	ND	ND	ND / ND	ND	ND	ND	NA	NA	NA	NA	1U
Carbon Disulfide	None*	ND	ND	ND	ND / ND	ND	ND	ND	NA	NA	NA	NA	1U
Carbon Tetrachloride	5	10	17	18	20 / 9	9	9	9	NA	NA	NA	NA	1U
Chloroform	7	0.4 J	0.6	0.7	ND / ND	0.4 J	0.3 J	ND	NA	NA	NA	NA	1U
Trichloroethene	5	0.6	ND	2	2 / 1	0.8	1	0.9	NA	NA	NA	NA	NA
Trichlorofluoromethane	5*	0.5	ND	2	2 / 1	0.9	1	ND	NA	NA	NA	NA	NA
Chromium	50*	198 / 609**	787 / 716**	572 / 610**	580/357**, 567/357**	406 / 434**	133 V / 157 V**	44.2 V / 95.8 V**	140 J	52.7 J	44.8	46.4	90.7 / 90.9**
Hexavalent Chromium	50*	460	800	560	530 / 540	340	101	36	150	48	47	47	97

Notes:
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MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/14/1997	5/28/1998	10/29/1998	5/11/1999	10/26/1999	5/22/2000	10/24/2000	5/15/2001	10/23/2001	5/29/2002	10/29/2002	4/9/2003
DGC-3S													
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S													
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S													
Benzene	0.7*	1U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	1U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	1U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	71.4	71.2	98.6 J	72.4	169	249	29.9	136	43.3	13.4	34.8	52.2
Hexavalent Chromium	50*	67	51	54.0 J	71.0	178	262	41	12.3	43.6 J	18	3.59	45

Notes:
Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
NA = Not analyzed.
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** = Filtered Sample.
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MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	5/23/2006	10/16/2006	5/14/2007	10/16/2007	5/15/2008	10/13/2008	5/13/2009
DGC-3S													
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S													
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S													
Benzene	0.7*	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon Disulfide	None*	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon Tetrachloride	5	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	7	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane	5*	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	50*	49.4	20.1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexavalent Chromium	50*	51.5	11	11.2	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
Units are µg/l (ppb) unless otherwise stated.
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NS = Not sampled.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
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JUNE 1987 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds DGC-3S	Remedial Action Objective	11/11/2009	5/19/2010	10/26/2010	5/18/2011	10/25-10/26/2011	5/22-5/24/2012	10/23-10/24/2012	5/14-5/15/2013	10/16-10/17/2013	5/14-5/15/2014	10/8-10/13/2014	5/26-5/27/2015
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	0.20 J	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S													
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S													
Benzene	0.7*	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	4	4.1	3.8	3.7	4	3.1	3.9
Chloroform	7	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	NS	NS	NS	NS	NS	3.8	2.2	2.7	2.9	2.8	2.3	2.5
Trichlorofluoromethane	5*	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA

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APPENDIX TABLE 1

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/21-10/23/2015	5/18-5/19/2016	10/24-10/25/2016	5/16-5/23/2017	10/18-11/7/2017	5/16-5/17/2018	10/29-10/31/2018	6/12-6/14/2019	10/09-10/14/2019	5/12-5/14/2020	10/21-10/23/2020	5/10-5/12/2021
DGC-3S													
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S													
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S													
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	3.6	3.2	2.8	3.9	2.7	2.1	3	2.5	ND	1.6	ND	1.8
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	2.8	2.7	2.7	2.4	2.7	2.6	2	2.1	1.3	1.3	1.2	1.4
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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Only detected compounds are listed.
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APPENDIX TABLE 1

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MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/27-10/29/2021	5/26/2022	9/27-9/28-2022	9/28/2023	Remedial Action Objective	9/26/2024
DGC-3S							
Benzene	0.7*	ND	ND	ND	NS	0.7*	NS
Carbon Disulfide	None*	ND	ND	ND	NS	None*	NS
Carbon Tetrachloride	5	ND	ND	ND	NS	5	NS
Trichloroethene	5	ND	ND	ND	NS	5	NS
Aluminum	100*	NA	NA	NA	NA	100*	NA
Lead	25*	NA	NA	NA	NA	25*	NA
Chromium	50*	NA	NA	NA	NA	50*	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	50*	NA
DGC-4S							
Carbon Disulfide	None*	ND	ND	ND	ND	None*	ND
Chromium	50*	NA	NA	NA	NA	50*	NA
13S							
Benzene	0.7*	ND	ND	ND	ND	0.7*	ND
Carbon Disulfide	None*	ND	ND	ND	ND	None*	ND
Carbon Tetrachloride	5	2	1.8	1.8	1.3	5	0.36 J
Chloroform	7	ND	ND	ND	ND	7	0.52 J
Trichloroethene	5	1.2	1.0	1.2	1.0	5	2.1
Trichlorofluoromethane	5*	ND	ND	ND	ND	5*	ND
Chromium	50*	NA	NA	NA	NA	50*	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	50*	NA

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APPENDIX TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	6/5/1992	11/11/1992	3/14/1994	5/23/1995	10/17/1995	5/14/1996	10/23/1996	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999	10/26/1999
Carbon Disulfide	None*	ND	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J	ND / ND
Chloromethane	5	40	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND / ND
Chromium	50*	8.4 B / ND**	57.4 / ND**	not sampled	ND	ND	ND	ND	ND	ND	ND	3.2 BJ	0.98 B	0.85B / 0.90
Hexavalent Chromium	50*	NA	NA	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND / ND
M-27D														
Carbon Tetrachloride	5	75 / 62	23	not sampled	33 / 42	56	31	28	26	22	27	26 / 27	20.3 / 20.1	22.3
Chloroform	7	ND	3	not sampled	4 / 4	5	3	3	3	2	3	2 / 2	1.8 / 1.8	1.8
Chloromethane	5	4 J / 28	ND	not sampled	ND / ND	ND	ND	ND	ND	ND	ND	ND / ND	ND / ND	ND
Trichloroethene	5											ND / ND	4.1 / 4.1	10.7
Trichlorofluoromethane	5*	no data	no data	not sampled	no data	no data	no data	no data	no data	no data	no data	0.3 J / 0.3 J	0.92J / 0.99 J	1.4
Chromium	50*	2.0 B / ND**	19.8 / ND**	not sampled	ND / ND	ND	ND	ND	ND	1.2B	ND	4.6 BJ	1.4 B	0.81 B
Hexavalent Chromium	50*	NA	NA	not sampled	ND / ND	ND	ND	ND	ND	ND	ND	ND / ND	ND / ND	ND
M-33S														
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-33I														
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	5/22/2000	10/24/2000	5/15/2001	10/23/2001	5/29/2002	10/29/2002	4/15/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	5/23/2006
Carbon Disulfide	None*	ND	ND	ND / ND	ND / ND	ND / ND	ND J / ND J	ND	ND / 0.11 J	ND	NA	NA	NA	NA
Chloromethane	5	ND	ND	ND / ND	ND / ND	ND / ND	ND J / ND J	ND	ND / ND	ND	NA	NA	NA	NA
Chromium	50*	1.1 B	1.2 B	ND / ND	ND / ND	ND / ND	1.2 B	8.5 B	1.0 B / 1.8 B	83.1	2.6 B / 2.2 B	NA	NA	NA
Hexavalent Chromium	50*	ND	ND	ND / ND	ND / ND	ND / ND	ND / ND	ND J	ND / ND	ND	ND	NA	NA	NA
M-27D														
Carbon Tetrachloride	5	26.7 D / 28.9 D	19.2 / 19.8	13.8	16.2	14.5	24.2 DJ	5.1 / 4.5	16.6	3 / 2.7	22.1	21	13	22
Chloroform	7	ND / ND	1.7 J / 1.3	1.1	1.1	0.94J	2.4	ND / ND	1.0	0.53 JB / 0.55 JB	ND	ND	ND	2
Chloromethane	5	ND / ND	ND / ND	ND	ND	ND	ND	ND ND	ND	ND / ND	ND	ND	ND	ND
Trichloroethene	5	12.8 / 12.1	26.4 / 26.5 D	19.4	27 D	22.7	14	2.4 / 2.2	21.8 D	3.2 / 2.9	22.7	18	24	16
Trichlorofluoromethane	5*	1.9 / 1.8	2.9 / 2.9	2.0	2.2	1.5	0.96 J	0.21 J / 0.18 J	2.3	0.27 J / 0.29 J	2.3	1.3	1.0	1 J
Chromium	50*	2 B / 1.8 B	1.2 B / 1.2 B	ND	1.5 B	2 B	1.5 B	5.9 B / 6.1 B	1.2 B	22.6 / 21.3	2.6 B	1.7 B	1.6 B	2.7
Hexavalent Chromium	50*	ND / ND	ND / ND	ND	ND	ND	ND	ND / ND	ND	ND / ND	ND	ND	ND	ND
M-33S														
VOCs	-	ND	ND	8.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-33I														
VOCs	-	ND	ND	4.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	10/16/2006	5/14/2007	10/16/2007	5/14/2008	10/13/2008	5/13/2009	11/11/2009	5/19/2010	10/26/2010	5/18/2011	10/25/2011	5/22/2012	10/23/2012
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
M-27D														
Carbon Tetrachloride	5	12	15	10	11	9	7.6	5.8	4.2	6.9	8.3	6	5.2	4.2
Chloroform	7	0.76 J	2	0.7 J	ND	0.6 J	0.30 J	0.31 J	ND	0.61 J	1.1	0.5 J	0.53 J	0.33 J
Chloromethane	5	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND
Trichloroethene	5	21	15	14	13	11	11	10	9.3	8.2	6.7	7	7.1	5.8
Trichlorofluoromethane	5*	1.0	0.9 J	0.8 J	0.6 J	0.3 J	0.15 J	ND	ND	ND	0.13 J	ND	ND	ND
Chromium	50*	1.7 BJ	ND	ND	ND	0.810	0.88	ND	1.1 J	10 U	ND	1.0 J	11.1 J	6.4
Hexavalent Chromium	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.010 J	10.0 U	ND
M-33S														
VOCs	-	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
M-33I														
VOCs	-	ND	ND	ND	NA	ND	--	--	--	--	--	--	--	--

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SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	5/14/2013	10/16/2013	5/14/2014	10/8/2014	5/26/2015	10/21-10/23/2015	5/18-5/19/2016	10/24-10/25/2016	5/16-5/23/2017	10/18-11/7/2017	5/16-5/17/2018	10/29-10/31/2018	6/12-6/14/2019
Carbon Disulfide	None*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexavalent Chromium	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M-27D														
Carbon Tetrachloride	5	5.9	1.6	5.1	4.2	5.4	6.5	6.3	5.1	8.6	8.1	6.2 / 6.4	9.7 / 10.5	ND
Chloroform	7	0.60 J	ND	0.49 J	0.5 J	0.66	ND	0.83	0.88 J	ND	1.1	1.1 / 1.1	1.2 / 1.2	1.8
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	0.34 J	ND	3.6 J	ND / ND	ND / ND	ND
Trichloroethene	5	5	6	5	4.4	6	5.2	5.2	5.1	6	6.7	5.7 / 5.8	5.0 / 5.1	4.8
Trichlorofluoromethane	5*	0.10 J	ND	ND	ND	ND	ND	ND	0.41 J	ND	ND	ND / ND	NA	ND
Chromium	50*	ND	ND	1.3 J	ND	ND	ND	ND	21.7 / 25.4	12 / 12.4	13.9 / ND	147 / 187	78.6 / 79.6	16.1
Hexavalent Chromium	50*	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND / ND	ND / ND	ND / ND	ND
M-33S														
VOCs	-	--	--	--	--	--	--	--	--	--	--	--	--	--
M-33I														
VOCs	-	--	--	--	--	--	--	--	--	--	--	--	--	--

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MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	10/09-10/14/2019	5/12-5/14/2020	10/21-10/23/2020	5/10-5/12/2021	10/27-10/29/2021	5/25/2022	9/27/2022	9/26/2023	9/23/2024
Carbon Disulfide	None*	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	5	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexavalent Chromium	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS
M-27D										
Carbon Tetrachloride	5	5.5	6.6	7.0	5	7.8 / 7.4	11	ND	8.4	8.7
Chloroform	7	1.5	1.5	1.5	1.1	3.3 / 3.0	4.2	2.9	2.2	2.9
Chloromethane	5	ND	ND	ND	ND	ND / ND	ND	ND	ND	ND
Trichloroethene	5	5.8	5.0	4.6	2.8	3.8 / 3.2	3.1	3.1	3.3	2.6
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND / ND	ND	ND	ND	ND
Chromium	50*	ND	ND	228	10.8	35.8 / 33.6	66	5.6	63	240
Hexavalent Chromium	50*	ND	ND	ND	ND	ND / ND	ND	17	9.2 J	ND
M-33S										
VOCs	-	--	--	--	--	--	--	--	--	--
M-33I										
VOCs	-	--	--	--	--	--	--	--	--	--

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APPENDIX TABLE 3

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 -SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	06/01/92	11/18/92	11/2004	05/24/05	10/24/05	05/23/06	10/16/06	05/14/07	10/16/07	05/14/08
4D											
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11D											
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	6	4.6	13	14	15	12	12	13	11
Chloroform	7	ND	3	ND	4.0	3.0	4.0	3.0	3	2	ND
Trichloroethene	5	9J	7	ND	0.8 J	0.9 J	1 J	2.0	1	1	1
M-24D											
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10	11	11	10	9	9
Chloroform	7	ND	ND	ND	0.6 J	0.5 J	0.5 J	0.44 J	0.4 J	0.4 J	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-24DR											
Acetone	50	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	5	--	--	--	--	--	--	--	--	--	--
Chloroform	7	--	--	--	--	--	--	--	--	--	--
Trichloroethene	5	--	--	--	--	--	--	--	--	--	--
M-25D											
Acetone	50	ND	ND R	ND	ND	ND	49 D*	25 JD	ND	ND	ND
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91	76 D*	71 D	60	65	56
Chloroform	7	ND	3R	8.7	8.0	9.0	8 D*	7 D	7	6	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	3J	8R	16.1	35 D	37	28 D*	22 D	31	34	52
M-29D											
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-113											
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND R	ND	ND	ND	16 D*	ND	ND	ND	ND
Carbon Tetrachloride	5	79	84	10.8	38 D	37	39 D*	33 D	32	34	33
Chloroform	7	ND	14	ND	4.0	5.0	5 D*	4 D	3	3	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	19	24	6.0	14	13	14 D*	12 D	11	11	11
13D											
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	98.4	38.9 J	4.5 B	78.3	60.8 J	11	17.1	25.3	5.2B	13.2
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U	10 U	14.2	10 U	10 U	10 U

Notes:
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APPENDIX TABLE 3

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 -SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/13/08	05/13/09	11/11/09	05/19/10	10/26/10	05/18/11	10/25/11	05/22/12	10/23/12	05/14/13
4D											
Acetone	50	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS
Carbon Tetrachloride	5	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS
Chloroform	7	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS
11D											
Acetone	50	ND	2.8 J	NS	ND	ND	ND	ND	5.0 UJ	ND	ND
Carbon Tetrachloride	5	10	11	NS	11	7.7	8.9	7.8	8.3	6.7	7.1
Chloroform	7	2	1.4	NS	1.3	0.82 J	0.96 J	0.76 J	0.89 J	0.56 J	0.61 J
Trichloroethene	5	2	1.6	NS	1.5	1.9	1.3	1.4	1.3	1.9	1.5
M-24D											
Acetone	50	ND	---	---	---	---	---	---	---	---	---
Carbon Tetrachloride	5	10	---	---	---	---	---	---	---	---	---
Chloroform	7	0.3 J	---	---	---	---	---	---	---	---	---
Trichloroethene	5	ND	---	---	---	---	---	---	---	---	---
M-24DR											
Acetone	50	--	ND	ND	ND	ND	2.1	ND	5.0 UJ	4.1 J	2.1 J
Carbon Tetrachloride	5	--	16	13	5.5	4.9	2.6	2.4	1.3	1.0	0.50 J
Chloroform	7	--	0.68 J	0.43 J	0.25 J	0.25 J	0.11J	0.12J	ND	ND	ND
Trichloroethene	5	--	49	39	18	19	9.5	8.8	4.8	4.2	1.8
M-25D											
Acetone	50	ND	7.3 J	ND	ND	ND	ND	ND	25 JD	ND	ND
Carbon Tetrachloride	5	52	52	40	35	34	32	32	32	29	27
Chloroform	7	4	3.8 J	3.0 J	3.0 J	3.2 J	3.2 J	2.8 J	2.4 J	1.7 J	1.3 J
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	1.1 J	1.0 J	0.85 J	ND	0.35 J
Trichloroethene	5	79 D	93	79	76	73	79	66	69	67	62
M-29D											
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	4.4	4.1	4.2	4.6	4
Freon-113											
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	0.23J	0.23 J	0.28 J	0.31 J	0.30 J
Acetone	50	ND	4.4 J	ND	ND	ND	ND	5.0 J	5.0 UJ	ND	ND
Carbon Tetrachloride	5	32	30	27	28	27	27 E	24	23	24	19
Chloroform	7	2	2.5	2.7	2.8	2.4	2.1	1.4	1.2	0.96 J	0.70 J
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	0.19 J	0.14 J	0.12 J	ND	ND
Trichloroethene	5	10	11	16	21	22	25E	23	24	25 E	23
13D											
Acetone	ND	ND	ND	ND	ND	ND	1.1J	5.0 J	ND	1.4 J	1.1 J
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	0.99 J	ND	0.31 J	0.68 J	0.66 J
Chloroform	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND	0.13 J	0.11 J
Chromium	50*	7.3	7.1	4.0 J	3.4 J	16.1	ND	3.6 J	6.1 J	6.6 J	ND
Hexavalent Chromium	50*	10 U	10 U	10 U	10 U	10 UJ	ND	0.010 J	ND	ND	ND

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MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 -SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/16/13	05/14/14	10/08/14	05/26/15	10/21-10/23-2015	5/18-5/19-2016	10/24-10/25-2016	5/16-5/23-2017	10/18-11/7-2017	5/16-5/17-2018
4D											
Acetone	50	NS	NS	ND	ND	2.2 J	ND	4.1 J	ND	46.7	ND
Carbon Tetrachloride	5	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
11D											
Acetone	50	ND	1.1 J	ND	ND	2.2 J	ND	ND	ND	24.7	ND
Carbon Tetrachloride	5	6	6.2	6.4	6.6	5.7	5.9 J	ND	8.3	5.4	4.9
Chloroform	7	0.55 J	0.49 J	0.67 J	2.0	0.67 J	0.57 J	ND	ND	ND	ND
Trichloroethene	5	1.4	1.6	1.2	1.2	1.1	1.6 J	1.7	1.5	1.3	1.6
M-24D											
Acetone	50	---	---	---	---	---	---	---	---	---	---
Carbon Tetrachloride	5	---	---	---	---	---	---	---	---	---	---
Chloroform	7	---	---	---	---	---	---	---	---	---	---
Trichloroethene	5	---	---	---	---	---	---	---	---	---	---
M-24DR											
Acetone	50	2.4 J	1.5 J	2.4 J	ND	2.4 J	4 J	5.2	ND	57.6	ND
Carbon Tetrachloride	5	0.67 J	0.51 J	0.6 J	3.0	3.6	1.7 J	1.3	4.0	1.9	1.9
Chloroform	7	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND	ND
Trichloroethene	5	2.8	1.7	1.9	8	11	4.7 J	3.5	11.3	5.1	6.2
M-25D											
Acetone	50	ND	3.7 J	3.9 J	ND	ND	ND	5.8 J	ND	8.5 J	ND
Carbon Tetrachloride	5	25	23	22	24	23	25	25	39.8	26.6	32.1
Chloroform	7	1.2 J	0.93 J	1.0 J	1.5	1.6 J	2.0	1.8 J	2.9	1.9	2.9
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.2 J	ND	0.17 J	ND	ND	ND	ND
Trichloroethene	5	57	57	55	51	47	51	41	51.7	42.3	60.2
M-29D											
1,1,1-Trichloroethane	ND	ND	3.8	3.3	3.1	2.6	2.2 J	2.2	ND	ND	1.8
Freon-113											
1,1-Dichloroethene	ND	ND	0.21 J	0.13 J	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	4.2 J	ND	7.6	ND
Carbon Tetrachloride	5	18	20	17	16	16	17 J	14	17.5	13.4	12.9
Chloroform	7	0.63 J	0.55 J	0.51 J	0.45 J	0.41 J	ND	0.31 J	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	23	23 D	23	20	21	21 J	21.0	26.7	21.7	31.1
13D											
Acetone	ND	ND	1.4 J	ND	ND	ND	ND	6.6	ND	29.9	ND
Carbon Tetrachloride	ND	0.77 J	0.26 J	0.63 J	0.52	ND	0.46 J	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	8.0 J	63.5	ND	12	ND	ND	ND	19.8	ND	14.9
Hexavalent Chromium	50*	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND

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MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 -SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/29-10/31-2018	6/12-6/14-2019	10/09-10/14-2019	5/12-5/14-2020	10/21-10/23-2020	5/10-5/12-2021	10/27-10/29-2021	5/25/2022	9/27-9/28-2022	9/26-9/28-2023
4D											
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11D											
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	7.5	6.2	4.9	ND	4.4	ND	4.8	4.9	7.6	4.7
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	0.50 J	0.62 J	ND
Trichloroethene	5	1.4	1.7	1.5	1.4	1.4	1.4	1.3	1.5	0.71 J	1.4
M-24D											
Acetone	50	---	---	---	---	---	---	---	---	---	---
Carbon Tetrachloride	5	---	---	---	---	---	---	---	---	---	---
Chloroform	7	---	---	---	---	---	---	---	---	---	---
Trichloroethene	5	---	---	---	---	---	---	---	---	---	---
M-24DR											
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	5.0	1.8	3.5	1.5	ND	3.6	2.8	3.4	5.2	4.0
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	0.46 J	0.68 J	ND
Trichloroethene	5	12.7	4.1	10.3	4.8	3.2	8	6.6	6.4	10	6.3
M-25D											
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	40.4	29.4	27.6	21.2	22.9	24	20.1	22	22	19
Chloroform	7	2.5	2.5	2.4	1.2	1.2	1.3	1.3	0.98 J	1.1	1.1
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	50.8	48.0	45.4	44.2	45.6	49.6	45.8	49	50	51
M-29D											
1,1,1-Trichloroethane	ND	1.8	1.6	1.4	1.2	ND	ND	ND	1.0	0.91 J	ND
Freon-113									0.97 J	1.8 J	1.3
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	15.6	13.2	13.0	10.4	10.2	11.4	8.6	12	11	9.0
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	27.8	32.3	28.8	28.9	29.0	32.2	33.0	31	32	27
13D											
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	0.61 J
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	ND	ND	13.7	ND	15.0	ND	13.0	1.3	ND	3.3 J
Hexavalent Chromium	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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JUNE 1992 -SEPTEMBER 2024
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	9/24-9/25-2024
4D		
Acetone	50	ND
Carbon Tetrachloride	5	ND
Chloroform	7	ND
Trichloroethene	5	ND
11D		
Acetone	50	ND
Carbon Tetrachloride	5	4.8
Chloroform	7	0.41 J
Trichloroethene	5	1.4
M-24D		
Acetone	50	---
Carbon Tetrachloride	5	---
Chloroform	7	---
Trichloroethene	5	---
M-24DR		
Acetone	50	ND
Carbon Tetrachloride	5	2.8
Chloroform	7	0.83 J
Trichloroethene	5	4.6
M-25D		
Acetone	50	ND
Carbon Tetrachloride	5	15
Chloroform	7	1.2
cis-1,2-Dichloroethene	ND	ND
Trichloroethene	5	51
M-29D		
1,1,1-Trichloroethane	ND	ND
Freon-113		1.3
1,1-Dichloroethene	ND	ND
Acetone	50	ND
Carbon Tetrachloride	5	0.85 J
Chloroform	7	ND
cis-1,2-Dichloroethene	ND	ND
Trichloroethene	5	2
13D		
Acetone	ND	ND
Carbon Tetrachloride	ND	0.73 J
Chloroform	ND	ND
Chromium	50*	3.2 J
Hexavalent Chromium	50*	ND

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Appendix D

Property Owner Interviews

RAMBOLL

Annual Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: NYS Energy Research and Development Authority

Agency/Property Owner Representative: Kevin Hunt
e-mail: kevin.hunt@nyserda.ny.gov
Phone: (518) 282-1090 (x3259)

Interview Questions:	Representative Response:
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	No
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Yes
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No

Interview Completed by: Mari Aures

RAMBOLL

Annual Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Global Foundries

Agency/Property Owner Representative: Tim Love
e-mail: tim.love@globalfoundries.com
Phone: 518-321-6656

Interview Questions:	Representative Response:
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No current work plans
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	No current work plans
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	GlobalFoundries is aware of all Environmental restrictions within the Rocket fuel site area. Notification of and written approval by EPA prior to disturbance or contact with groundwater.
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No notices required currently
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No notices required currently

Interview Completed by: Mari Aures

RAMBOLL

Annual Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Town of Malta

Agency/Property Owner Representative: Jaime O'Neill
e-mail: joneill@malta-town.org
Phone: (518) 889-2685

Interview Questions:	Representative Response:
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	no
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	no
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	yes
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	no

Interview Completed by: Mari Aures