December 12, 2024

Mr. Jacob Katz
172 3rd Ave LLC
505 Flushing Avenue #1H
Brooklyn, New York 11205

Re: BCP Eligibility Investigation Summary Letter Report
264 Butler Street
Brooklyn, New York 11237

Dear Mr. Katz:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 172 3rd Ave LLC, has prepared this Brownfield Cleanup Program (BCP) Eligibility Investigation Summary Letter Report (Summary Letter Report) for the property located at 264 Butler Street, Brooklyn, New York (Site). The location of the Site is shown in Figure 1.

The purpose of the BCP Eligibility Investigation was to investigate current environmental conditions at the Site and to supplement the Phase I ESA prepared for the Site in September 2024 by KB Environmental Assessment (KB). The BCP Eligibility Investigation was performed to evaluate potential acceptance into the New York State Department of Environmental Conservation (NYSDEC) BCP by collecting on-Site environmental samples for laboratory analysis.

The BCP Eligibility Investigation field work was performed in accordance with the scope of work described in Roux's Proposal for Phase II Environmental Assessment, dated September 9, 2024. This Summary Letter Report contains a discussion of the methods, findings, and conclusions of the BCP Eligibility Investigation.

Scope of Work

The scope of work for the BCP Eligibility Investigation included the following:

- Advancement of six soil borings across the Site, which included field screening for volatile organic compounds (VOCs) and the collection of soil samples;
- Installation of two temporary monitoring wells in select soil boring locations and collection of two groundwater grab samples; and
- Installation of two sub-slab soil vapor points and collection of two sub-slab soil vapor samples.

The fieldwork was completed between October 21 and 23, 2024. Soil boring, temporary well, and sub-slab soil vapor pin locations were determined based on the findings of the Phase I ESA, site reconnaissance completed by Roux, and available information reviewed from surrounding environmental sites. The soil borings were advanced by Coastal Environmental Solutions, Inc. (Coastal) of Holbrook, New York, and all soil samples were analyzed by Eurofins Environment Testing Northeast, LLC (Eurofins) of Edison, New Jersey, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory.

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California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

Soil Borings and Soil Sampling

A total of six soil borings were advanced at the Site, as shown in Figure 2. Each soil boring location was pre-cleared up a depth of five feet below land surface (ft bls), using soft dig techniques (hand tools), to confirm the absence of subsurface utilities. Borings SB-1 and SB-4 through SB-6 were advanced to a depth of 15 ft bls, and SB-2 and SB-3 were advanced to a depth of 60 and 55 ft bls, respectively.

Soil samples were collected with hand tools and/or a Geoprobe® drill rig using the direct-push drilling method, under the oversight of Roux personnel. During soil boring advancement, soil was collected continuously using a 2-inch diameter, 5-foot long Macro-Core® sampler with PVC liners.

Soil was continuously field screened for VOCs using a photoionization detector (PID). All soils were visually inspected for evidence of environmental impacts (e.g., odors, staining, and/or visible free product) and the lithology was recorded in accordance with the Unified Soil Classification System (USCS). Geologic logs showing soil sample collection details and lithologic details for each boring are provided as Attachment 1.

After soil boring advancement was complete, investigation-derived waste was returned to the boreholes when possible. One drum of grossly impacted soil was generated during the investigation which was stored onsite for future offsite disposal. Additionally, the surface at each location was restored to pre-drilling conditions following soil boring sampling activities.

Historic fill material extended up to an observed depth of 28 ft bls. The observed historic fill is comprised of a mixture of predominantly sand and gravel with varying amounts of brick, asphalt, glass, tile and silt. Soil at the SB-1 and SB-5 locations exhibited elevated PID readings (607 parts per million [ppm] and 1127 ppm, respectively). Staining and odor were observed at SB-1, SB-4, and SB-5. Staining or odors were not observed in the deeper borings.

All soil samples collected were analyzed for the following list of parameters:

- VOCs using United States Environmental Protection Agency (USEPA) Method 8260D;
- Semivolatile organic compounds (SVOCs) using USEPA Method 8270E; and
- Target Analyte List (TAL) metals and mercury using USEPA Methods 6020B and 7471B.

Soil samples collected from the shallow 0 – 2 ft bls interval were also analyzed for polychlorinated biphenyls (PCBs).

All samples were placed in ice-filled coolers and relinquished to laboratory-authorized couriers under proper chain of custody procedures and analyzed on a standard 5-day turnaround time.

Groundwater Grab Sampling

Two soil borings (SB-1 and SB-4) were converted to temporary monitoring wells (TW-1 and TW-2, respectively) to allow for groundwater grab sampling. The locations of the temporary wells are shown in Figure 2. Each temporary monitoring well was constructed of 1-inch diameter PVC well material consisting of approximately ten feet of 0.020-inch slotted well screen and riser to ground surface. Each temporary monitoring well was installed into the water table with the final depth of each well at 15 ft bls. Groundwater was encountered from 10 to 12 ft bls throughout the Site. Groundwater grab samples were collected by Roux personnel using a peristaltic pump from each installed temporary monitoring well. Water was purged until it appeared to be clear of sediment. One groundwater grab sample from each of the temporary monitoring wells was analyzed for TCL VOCs, TCL SVOCs, and TAL Metals (total and dissolved). All groundwater grab samples were submitted to Eurofins under proper chain of custody procedures.

Sub-Slab Vapor Sampling

Two temporary sub-slab soil vapor points (SV-1 and SV-2) were installed (the locations are presented in Figure 2). Each sub-slab vapor sample was collected using pre-cleaned (batch certified) 2.7-liter summa canisters with regulators calibrated to collect samples over an eight-hour period and analyzed using USEPA Method TO-15 for VOCs. A helium tracer gas test was performed on each sub-slab vapor point, prior to sampling in accordance with the procedures outlined in the NYSDOH Guidance, to confirm the integrity of each location. All sub-slab vapor samples were submitted for analysis to Eurofins under proper chain of custody procedures.

Results

Soil sample results were compared to the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Use Soil Cleanup Objectives (RRSCOs). Groundwater results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). Sub-slab vapor results are shown as detections only since a comparison to the NYSDOH Matrices cannot be made. The RRSCOs are the applicable standard for the Site, based on the intended future use, and is the criteria that needs to be exceeded to be considered eligible for entry into the BCP.

Soil

The analytical results of the soil samples are provided in the attached Tables 1 through 4, shown in Figure 3, and are summarized below:

- VOCs were not detected at concentrations in excess of the applicable standards.
- The following SVOCs were detected at concentrations in excess of the applicable standards.
    - Benzo(a)pyrene was detected at a concentration of 1.1 mg/kg at SB-1.
    - Benzo(b)fluoranthene was detected at a concentration of 1.1 mg/kg at SB-1.
    - Indeno(1,2,3-c,d)pyrene was detected at a concentrations ranging from 0.57 to 0.63 mg/kg. The highest indeno(1,2,3-c,d)pyrene detection was at boring SB-1.
- The following metals were detected at concentrations in excess of the applicable standards.
    - Lead was detected at three borings at concentrations ranging from 447 to 651 mg/kg. The highest lead detection was at boring SB-1.
    - Mercury was detected at four borings at concentrations ranging from 1.1 to 14.6 mg/kg. The highest mercury detection was at boring SB-4.
- PCBs were not detected at concentrations in excess of the applicable standards.

Groundwater

Results for the two groundwater grab samples are provided in the attached Tables 5 through 7, shown in Figure 4, and are summarized below:

- The VOCs n-propylbenzene and sec-butylbenzene were detected at concentrations in exceedance of the AWQSGVs in one groundwater grab sample, TW-1.
- Several polycyclic aromatic hydrocarbons (PAHs), including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and naphthalene were detected at concentrations and estimated concentrations (J qualifier) in exceedance of the AWQSGVs in groundwater grab sample TW-1. Phenol was detected at estimated concentrations (J qualifier) in exceedance of the AWQSGVs in groundwater grab sample TW-1.

- Dissolved and total manganese exceeded AWQSGVs in both groundwater grab samples. Dissolved sodium exceeded AWQSGVs in both groundwater grab samples. Dissolved magnesium and total mercury exceeded AWQSGVs in TW-1. Total lead exceeded AWQSGVs in both groundwater grab samples.

Sub-Slab Vapor

Two sub-slab vapor samples were collected across the Site. Petroleum-related VOCs and CVOCs were detected in all sub-slab vapor samples throughout the Site; however, there are no standards or guidance values for these compounds set by NYSDEC or New York State Department of Health (NYSDOH). Results for the two sub-slab vapor samples are provided in the attached Table 8 and shown in Figure 5.

The NYSDOH October 2006 (updated in 2024) Guidance for Evaluating Soil Vapor Intrusion (NYSDOH Guidance) provides six matrices with guidance values for sub-slab and indoor air comparison for twenty VOCs and CVOCs. No indoor air samples were taken during the field work, so a proper comparison cannot be made. However, the sub-slab concentrations of the VOC and CVOC detections did not exceed levels that would require additional actions to address human exposures. The concentrations of the matrix VOCs and CVOCs detected in the two sub-slab vapor samples are as follows:

Matrix A Compounds: trichloroethene (TCE), cis-1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride

- Maximum concentration of TCE was detected at SV-1 at 0.35 µg/m^3.
- Cis-1,2-dichloroethene was detected at SV-1 at 0.7 µg/m^3.
- 1,1-dichloroethene was not detected in either sample.
- Maximum concentration of carbon tetrachloride was detected at SV-2 at 0.27 µg/m^3.

The detections of these compounds do not exceed levels that would require additional actions to address human exposures.

Matrix B Compounds: Tetrachloroethylene (PCE), 1,1,1-trichloroethane, methylene chloride

- The maximum concentration of PCE was detected at SV-1 at 3 µg/m^3.
- 1,1,1-Trichloroethane was not detected in either sample.
- The maximum concentration of methylene chloride was detected at SV-2 at 1.3J µg/m^3.

The detections of these compounds do not exceed levels that would require additional actions to address human exposures.

Matrix C Compound: vinyl chloride

- Vinyl chloride was not detected in either sample.

This compound was not detected and does not exceed levels that would require additional actions to address human exposures.

Matrix D Compounds: benzene, ethylbenzene, naphthalene, cyclohexane, isooctane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and o-xylene

- The maximum concentration of benzene was detected at SV-1 at 3.7 µg/m^3.
- The maximum concentration of ethylbenzene was detected at SV-1 at 2.7 µg/m^3.

- The maximum concentration of naphthalene was detected at SV-1 at 2.4 µg/m^3.
- The maximum concentration of cyclohexane was detected at SV-2 at 43 µg/m^3.
- The maximum concentration of isooctane (2,2,4-trimethylpentane) was detected at SV-2 at 56 µg/m^3.
- The maximum concentration of 1,2,4-trimethylbenzene was detected at SV-2 at 3.8 µg/m^3.
- The maximum concentration of 1,3,5-trimethylbenzene was detected at SV-2 at 1.3 µg/m^3.
- The maximum concentration of o-xylene was detected at SV-1 at 3.4 µg/m^3.

The detections of these compounds do not exceed levels that would require additional actions to address human exposures.

Matrix E Compounds: m,p-xylene, heptane, and hexane

- The maximum concentration of m,p-xylene was detected at SV-1 at 7.7 µg/m^3.
- The maximum concentration of heptane was detected at SV-1 at 14 µg/m^3.
- The maximum concentration of hexane was detected at SV-1 at 5.6 µg/m^3.

The detections of these compounds do not exceed levels that would require additional actions to address human exposures.

Matrix F Compound: toluene

- The maximum concentration of toluene was detected at SV-1 at 24 µg/m^3.

The detection of this compound does not exceed levels that would require additional actions to address human exposures.

Conclusions

The following conclusions have been determined based on the results of the BCP Eligibility Investigation:

- Historic fill material was observed to a maximum depth of 28 ft bls and was observed to be comprised of a mixture of predominantly sand and gravel with varying amounts of brick, asphalt, glass, tile and silt. The native soil at the Site consists of mostly fine to coarse sand with some silt, and trace fine gravel. Clay layers were encountered at both deep borings (SB-2 and SB-3) at depths ranging from 28 to 37.5 ft bls.
- Roux observed visual and olfactory evidence of environmental impacts (i.e., odor, staining) at three soil boring locations, SB-1, SB-4, and SB-5, during field screening. Soil at the SB-1 and SB-5 location also exhibited elevated PID readings (between 607 and 1127 ppm). Free product was not observed. Petroleum-related VOCs were not detected above the RRSCOs.
- Two SVOCs (benzo(a)pyrene and benzo(b)fluoranthene) were detected above NYSDEC RRSCOs in one soil sample. One SVOC compound (ideno(1,2,3-c,d)pyrene) was detected above NYSDEC RRSCOs in two soil samples.
- Two metals (lead and mercury) were detected above NYSDEC RRSCOs at multiple depths and locations throughout the Site.
- PCBs were not detected above NYSDEC RRSCOs in any soil sampling locations.

- Select VOCs and SVOCs were detected above NYSDEC AWQSGVs in one groundwater sample. Select metals were detected above NYSDEC AWQSGVs in both groundwater samples.
- Select VOCs and SVOCs were detected at both sub-slab vapor sampling locations, but concentrations did not exceed levels that would require additional actions to address human exposures based on the NYSDOH Guidance matrices. Indoor air samples would need to be collected to make a proper comparison to the matrices.

Based on the data collected during this BCP Eligibility Investigation, soils at the Site appear to exceed the applicable standards that would be required for entry into BCP. Additionally, groundwater exceedances of the AWQSGV and detections of VOCs in sub-slab vapor samples were identified.

If you have any questions about the sampling results at the Site, please do not hesitate to contact either of the undersigned.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Jack Rusk
Project Geologist

Rob Kovacs, P.G.
Principal Scientist

Attachments

TABLES

1. Summary of Volatile Organic Compounds in Soil
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3. Summary of Metals in Soil
4. Summary of Polychlorinated Biphenyls in Soil
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6. Summary of Semivolatile Organic Compounds in Groundwater
7. Summary of Metals in Groundwater
8. Summary of Volatile Organic Compounds in Sub-Slab Vapor

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
T -	Indicates that a quality control parameter has exceeded laboratory limits
ft bls -	Feet below land surface
DUP -	Duplicate sample
mg/kg -	Milligrams per kilogram
NYSDEC -	New York State Department of Environmental Conservation
SCO -	Soil Cleanup Objectives
--	No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO	
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO	
Groundwater Tables	
J -	Estimated Value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
NA -	Compound was not analyzed for by laboratory
µg/L -	Micrograms per liter
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	
Soil Vapor/Ambient Air	
J -	Estimated value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
D -	Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte
ug/m3 -	Micrograms per cubic meter
Bold data indicates that parameter was detected	

Table 1. Summary of Volatile Organic Compounds in Soil, 264 Butler Street, Brooklyn, New York

			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
			Sample Date:	10/21/2024	10/21/2024	10/21/2024	10/22/2024	10/21/2024	10/23/2024
			Sample Depth (ft bls):	0 - 2	13 - 15	0 - 2	9 - 11	0 - 2	8 - 10
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	100	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
1,1-Dichloroethane	0.27	26	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
1,1-Dichloroethene	0.33	100	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
1,2,4-Trimethylbenzene	3.6	52	MG/KG	0.0014 U	2	0.0013 U	0.001 U	0.0014 U	0.001 U
1,2-Dichlorobenzene	1.1	100	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
1,2-Dichloroethane	0.02	3.1	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	MG/KG	0.0014 U	0.5	0.0013 U	0.001 U	0.0014 U	0.001 U
1,3-Dichlorobenzene	2.4	49	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
1,4-Dichlorobenzene	1.8	13	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Acetone	**0.05**	100	MG/KG	0.0084 U	1 U	0.009	0.036	0.0084 U	**0.14**
Benzene	**0.06**	4.8	MG/KG	0.0014 U	**0.82**	0.0013 U	0.001 U	0.0014 U	0.001 U
Carbon Tetrachloride	0.76	2.4	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Chlorobenzene	1.1	100	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Chloroform	0.37	49	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Ethylbenzene	1	41	MG/KG	0.0014 U	0.33	0.0013 U	0.001 U	0.0014 U	0.001 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	MG/KG	0.007 U	1 U	0.0065 U	0.0052 U	0.007 U	0.018
Methylene Chloride	0.05	100	MG/KG	0.0028 U	0.21 U	0.004	0.0021 U	0.0023 J	0.0028
N-Butylbenzene	12	100	MG/KG	0.0014 U	6.2	0.0013 U	0.001 U	0.0014 U	0.001 U
N-Propylbenzene	**3.9**	100	MG/KG	0.0014 U	**6.2**	0.0013 U	0.001 U	0.0014 U	0.001 U
Sec-Butylbenzene	11	100	MG/KG	0.0014 U	9.8	0.0013 U	0.001 U	0.0014 U	0.001 U
T-Butylbenzene	5.9	100	MG/KG	0.0014 U	0.72	0.0013 U	0.001 U	0.0014 U	0.001 U
Tert-Butyl Methyl Ether	0.93	100	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Tetrachloroethylene (PCE)	1.3	19	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Toluene	0.7	100	MG/KG	0.00081 J	0.29	0.00074 J	0.001 U	0.00084 J	0.001 U
Trans-1,2-Dichloroethene	0.19	100	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Trichloroethylene (TCE)	0.47	21	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 U
Vinyl Chloride	0.02	0.9	MG/KG	0.0014 U	0.21 U	0.0013 U	0.001 U	0.0014 U	0.001 UT
Xylenes	**0.26**	100	MG/KG	0.0028 U	**2**	0.0026 U	0.0021 U	0.0028 U	0.0021 U

Table 1. Summary of Volatile Organic Compounds in Soil, 264 Butler Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Units	Sample Designation:	SB-4	SB-5	SB-5	SB-6	SB-6
				Sample Date:	10/21/2024	10/21/2024	10/22/2024	10/22/2024	10/23/2024	10/23/2024
				Sample Depth (ft bls):	0 - 2	9 - 11	0 - 2	13 - 15	0 - 2	9 - 11
1,1,1-Trichloroethane (TCA)	0.68	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
1,1-Dichloroethane	0.27	26	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
1,1-Dichloroethene	0.33	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	MG/KG		0.00059 J	0.0013 U	0.0014 U	0.035	0.0015 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.007	0.0015 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Acetone	**0.05**	100	MG/KG		0.0079 U	**0.092**	0.0083 U	**0.5**	0.0087 U	0.0067 U
Benzene	**0.06**	4.8	MG/KG		0.0013 U	0.0013 U	0.0014 U	**0.44**	0.0015 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Chlorobenzene	1.1	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Chloroform	0.37	49	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Ethylbenzene	1	41	MG/KG		0.0011 J	0.0013 U	0.0014 U	0.087	0.0015 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	MG/KG		0.0066 U	0.018	0.0069 U	0.0075 U	0.0073 UT	0.0056 UT
Methylene Chloride	0.05	100	MG/KG		0.0035	0.0016 J	0.0028 U	0.003 U	0.0029 U	0.003
N-Butylbenzene	12	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.13	0.0015 U	0.0011 U
N-Propylbenzene	**3.9**	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.6	0.0015 U	0.0011 U
Sec-Butylbenzene	11	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.33	0.0015 U	0.0011 U
T-Butylbenzene	5.9	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.039	0.0015 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.00078 J	0.0011 U
Toluene	0.7	100	MG/KG		0.00052 J	0.0013 U	0.0014 U	0.049	0.0015 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Vinyl Chloride	0.02	0.9	MG/KG		0.0013 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U	0.0011 U
Xylenes	**0.26**	100	MG/KG		0.0097	0.0027 U	0.0028 U	0.21	0.0029 U	0.0022 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 264 Butler Street, Brooklyn, New York

			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
			Sample Date:	10/21/2024	10/21/2024	10/21/2024	10/22/2024	10/21/2024	10/23/2024
			Sample Depth (ft bls):	0 - 2	13 - 15	0 - 2	9 - 11	0 - 2	8 - 10
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Units						
1,4-Dioxane (P-Dioxane)	0.1	13	MG/KG	0.035 U	0.038 U	0.037 U	0.033 U	0.034 U	0.034 U
2-Methylphenol (O-Cresol)	0.33	100	MG/KG	0.35 U	0.38 U	0.37 U	0.33 U	0.34 U	0.34 U
Acenaphthene	20	100	MG/KG	0.036 J	0.45	0.37 U	0.33 U	0.063 J	0.34 U
Acenaphthylene	100	100	MG/KG	0.56	0.19 J	0.04 J	0.33 U	0.068 J	0.34 U
Anthracene	100	100	MG/KG	0.41	0.22 J	0.051 J	0.33 U	0.18 J	0.34 U
Benzo(A)Anthracene	1	1	MG/KG	0.94	0.14	0.14	0.033 U	0.55	0.026 J
Benzo(A)Pyrene	**1**	1	MG/KG	**1.1**	0.092	0.25	0.033 U	0.59	0.018 J
Benzo(B)Fluoranthene	**1**	1	MG/KG	**1.1**	0.15	0.29	0.033 U	0.71	0.019 J
Benzo(G,H,I)Perylene	100	100	MG/KG	0.77	0.06 J	0.28 J	0.33 U	0.38	0.34 U
Benzo(K)Fluoranthene	0.8	3.9	MG/KG	0.33	0.053	0.093	0.033 U	0.23	0.0082 J
Chrysene	**1**	3.9	MG/KG	**1.2**	0.15 J	0.17 J	0.33 U	0.57	0.024 J
Cresols, M & P	**0.33**	100	MG/KG	0.35 U	**0.5**	0.37 U	0.33 U	0.34 U	0.34 U
Dibenz(A,H)Anthracene	0.33	0.33	MG/KG	0.21	0.019 J	0.048	0.033 U	0.083	0.034 U
Dibenzofuran	7	59	MG/KG	0.043 J	0.46	0.028 J	0.33 U	0.057 J	0.34 U
Fluoranthene	100	100	MG/KG	0.91	0.56	0.2 J	0.33 U	1.1	0.054 J
Fluorene	30	100	MG/KG	0.19 J	0.6	0.012 J	0.33 U	0.075 J	0.34 U
Hexachlorobenzene	0.33	1.2	MG/KG	0.035 U	0.038 U	0.037 U	0.033 U	0.034 U	0.034 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	MG/KG	**0.63**	0.06	0.22	0.033 U	0.36	0.034 U
Naphthalene	12	100	MG/KG	0.33 J	1.2	0.1 J	0.33 U	0.17 J	0.01 J
Pentachlorophenol	0.8	6.7	MG/KG	0.28 U	0.31 U	0.3 U	0.27 U	0.28 U	0.27 U
Phenanthrene	100	100	MG/KG	0.9	1.6	0.19 J	0.33 U	0.89	0.049 J
Phenol	0.33	100	MG/KG	0.35 U	0.38 U	0.37 U	0.33 U	0.34 U	0.34 U
Pyrene	100	100	MG/KG	1.4	0.48	0.23 J	0.0098 J	1.1	0.039 J

Table 2. Summary of Semivolatile Organic Compounds in Soil, 264 Butler Street, Brooklyn, New York

			Sample Designation:	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6
			Sample Date:	10/21/2024	10/21/2024	10/22/2024	10/22/2024	10/23/2024	10/23/2024
			Sample Depth (ft bls):	0 - 2	9 - 11	0 - 2	13 - 15	0 - 2	9 - 11
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Units						
1,4-Dioxane (P-Dioxane)	0.1	13	MG/KG	0.036 U	0.039 U	0.033 U	0.035 U	0.033 U	0.034 U
2-Methylphenol (O-Cresol)	0.33	100	MG/KG	0.36 U	0.39 U	0.33 U	0.35 U	0.33 U	0.34 U
Acenaphthene	20	100	MG/KG	0.017 J	0.095 J	0.017 J	0.022 J	0.029 J	0.013 J
Acenaphthylene	100	100	MG/KG	0.032 J	0.022 J	0.025 J	0.35 U	0.1 J	0.022 J
Anthracene	100	100	MG/KG	0.052 J	0.17 J	0.056 J	0.043 J	0.089 J	0.028 J
Benzo(A)Anthracene	1	1	MG/KG	0.27	0.55	0.3	0.09	0.43	0.15
Benzo(A)Pyrene	**1**	1	MG/KG	0.31	0.6	0.4	0.083	0.65	0.17
Benzo(B)Fluoranthene	**1**	1	MG/KG	0.35	0.73	0.46	0.088	0.84	0.22
Benzo(G,H,I)Perylene	100	100	MG/KG	0.19 J	0.4	0.32 J	0.044 J	0.7	0.13 J
Benzo(K)Fluoranthene	0.8	3.9	MG/KG	0.14	0.25	0.18	0.041	0.3	0.079
Chrysene	**1**	3.9	MG/KG	0.27 J	0.61	0.35	0.093 J	0.47	0.16 J
Cresols, M & P	**0.33**	100	MG/KG	0.36 U	0.054 J	0.33 U	0.35 U	0.33 U	0.34 U
Dibenz(A,H)Anthracene	0.33	0.33	MG/KG	0.046	0.092	0.066	0.035 U	0.14	0.031 J
Dibenzofuran	7	59	MG/KG	0.36 U	0.079 J	0.011 J	0.35 U	0.024 J	0.34 U
Fluoranthene	100	100	MG/KG	0.47	0.83	0.54	0.21 J	0.69	0.24 J
Fluorene	30	100	MG/KG	0.011 J	0.074 J	0.011 J	0.022 J	0.024 J	0.01 J
Hexachlorobenzene	0.33	1.2	MG/KG	0.036 U	0.039 U	0.033 U	0.035 U	0.033 U	0.034 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	MG/KG	0.19	0.37	0.29	0.046	**0.57**	0.12
Naphthalene	12	100	MG/KG	0.014 J	0.42	0.022 J	0.034 J	0.19 J	0.058 J
Pentachlorophenol	0.8	6.7	MG/KG	0.29 U	0.32 U	0.27 U	0.28 U	0.27 U	0.27 U
Phenanthrene	100	100	MG/KG	0.24 J	0.65	0.26 J	0.17 J	0.44	0.14 J
Phenol	0.33	100	MG/KG	0.36 U	0.39 U	0.33 U	0.35 U	0.33 U	0.34 U
Pyrene	100	100	MG/KG	0.49	0.89	0.58	0.18 J	0.66	0.21 J

Table 3. Summary of Metals in Soil, 264 Butler Street, Brooklyn, New York

			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4
			Sample Date:	10/21/2024	10/21/2024	10/21/2024	10/22/2024	10/21/2024	10/23/2024	10/21/2024
			Sample Depth (ft bls):	0 - 2	13 - 15	0 - 2	9 - 11	0 - 2	8 - 10	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Units							
Arsenic	13	16	MG/KG	4.1	8.4	10.7	2.8	12.4	4.6	6.5
Barium	350	400	MG/KG	116	120	92.3	42.2	117	63.8	101
Beryllium	7.2	72	MG/KG	0.14 J	0.11 J	0.27 J	0.27 J	0.26 J	0.32 J	0.33 J
Cadmium	2.5	4.3	MG/KG	0.27 J	1.2	0.28 J	0.84 U	0.26 J	0.91 U	0.29 J
Chromium, Total	30	180	MG/KG	5.9	5	11.5	12.7	11.3	13	11.4
Copper	50	270	MG/KG	20.5	20.5	39.5	22.2	28.8	19.3	32.4
Lead	**63**	400	MG/KG	**481**	**651**	**292**	**64.8**	**447**	**136**	**329**
Manganese	1600	2000	MG/KG	96.6	149	169	240	179	321	217
Mercury	**0.18**	0.81	MG/KG	**0.42**	**0.42**	**1.1**	**0.38**	**0.57**	**0.38**	**14.6**
Nickel	**30**	310	MG/KG	14.3	7.4	26.3	30	20.4	20.1	18.2
Selenium	3.9	180	MG/KG	0.44 J	1.3	0.64 J	0.22 J	0.66 J	0.93 J	0.64 J
Silver	2	180	MG/KG	0.4 U	0.13 J	0.13 J	0.34 U	1.2	0.28 J	0.24 J
Zinc	**109**	10000	MG/KG	**144**	**1540**	**124**	41.5	**120**	53.6	**184**

Table 3. Summary of Metals in Soil, 264 Butler Street, Brooklyn, New York

			Sample Designation:	SB-4	SB-5	SB-5	SB-6	SB-6
			Sample Date:	10/21/2024	10/22/2024	10/22/2024	10/23/2024	10/23/2024
			Sample Depth (ft bls):	9 - 11	0 - 2	13 - 15	0 - 2	9 - 11
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Units					
Arsenic	13	16	MG/KG	4.6	12.4	5.8	8.6	2.1
Barium	350	400	MG/KG	143	118	46.4	79.2	27.1
Beryllium	7.2	72	MG/KG	0.38 J	0.32 J	0.23 J	0.32 J	0.23 J
Cadmium	2.5	4.3	MG/KG	0.15 J	0.23 J	0.93 U	0.26 J	0.13 J
Chromium, Total	30	180	MG/KG	13.4	15.7	11.4	13.8	12.4
Copper	50	270	MG/KG	34	41.2	12.8	34.1	13.3
Lead	**63**	400	MG/KG	**223**	**504**	**70.8**	**357**	46.9
Manganese	1600	2000	MG/KG	242	230	229	195	277
Mercury	**0.18**	0.81	MG/KG	**1.5**	**2.2**	0.074	**2.5**	0.097
Nickel	**30**	310	MG/KG	19.3	25.2	28.8	15.9	**38.3**
Selenium	3.9	180	MG/KG	0.71 J	0.6 J	0.6 J	0.65 J	0.16 J
Silver	2	180	MG/KG	0.12 J	0.23 J	0.37 U	0.17 J	0.34 U
Zinc	**109**	10000	MG/KG	75.3	**121**	62.3	**146**	33.1

Table 4. Summary of Polychlorinated Biphenyls in Soil, 264 Butler Street, Brooklyn, New York

			Sample Designation:	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6
			Sample Date:	10/21/2024	10/21/2024	10/21/2024	10/21/2024	10/22/2024	10/23/2024
			Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
PCB-1221 (Aroclor 1221)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
PCB-1232 (Aroclor 1232)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
PCB-1242 (Aroclor 1242)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
PCB-1248 (Aroclor 1248)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
PCB-1254 (Aroclor 1254)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
PCB-1260 (Aroclor 1260)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
PCB-1262 (Aroclor 1262)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
PCB-1268 (Aroclor 1268)	--	--	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U
Polychlorinated Biphenyl (PCBs)	0.1	1	MG/KG	0.071 U	0.075 U	0.07 U	0.073 U	0.067 U	0.067 U

Table 5. Summary of Volatile Organic Compounds in Groundwater, 264 Butler Street, Brooklyn, New York

	Sample Designation:		TW-1	TW-2
	Sample Date:		10/22/2024	10/22/2024
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units		
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U
1,1-Dichloroethane	5	UG/L	1 U	1 U
1,1-Dichloroethene	5	UG/L	1 U	1 U
1,2,4-Trimethylbenzene	5	UG/L	0.94 J	1 U
1,2-Dichlorobenzene	3	UG/L	1 U	1 U
1,2-Dichloroethane	0.6	UG/L	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	1 U	1 U
1,3-Dichlorobenzene	3	UG/L	1 U	1 U
1,4-Dichlorobenzene	3	UG/L	1 U	1 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	50 U	50 U
Acetone	50	UG/L	4.6 J	5 U
Benzene	1	UG/L	0.63 J	1 U
Carbon Tetrachloride	5	UG/L	1 U	1 U
Chlorobenzene	5	UG/L	1 U	1 U
Chloroform	7	UG/L	1 U	1 U
Cis-1,2-Dichloroethylene	5	UG/L	1 U	1 U
Ethylbenzene	5	UG/L	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U
Methylene Chloride	5	UG/L	1 U	1 U
N-Butylbenzene	5	UG/L	3.7	1 U
N-Propylbenzene	**5**	UG/L	**15**	1 U
Sec-Butylbenzene	**5**	UG/L	**8.3**	1 U
T-Butylbenzene	5	UG/L	0.9 J	1 U
Tert-Butyl Methyl Ether	10	UG/L	3.8	0.29 J
Tetrachloroethylene (PCE)	5	UG/L	1 U	1 U
Toluene	5	UG/L	0.78 J	1 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	1 U
Trichloroethylene (TCE)	5	UG/L	0.38 J	1 U
Vinyl Chloride	2	UG/L	1 U	1 U
Xylenes	5	UG/L	2.9	2 U

Table 6. Summary of Semivolatile Organic Compounds in Groundwater, 264 Butler Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	Sample Designation: TW-1 Sample Date: 10/22/2024	Sample Designation: TW-2 Sample Date: 10/22/2024
2-Methylphenol (O-Cresol)	--	UG/L	1.7 J	10 U
Acenaphthene	20	UG/L	13	10 U
Acenaphthylene	20	UG/L	10 U	10 U
Anthracene	50	UG/L	3.8 J	10 U
Benzo(A)Anthracene	**0.002**	UG/L	**1.5**	1 U
Benzo(A)Pyrene	**0**	UG/L	**0.98 J**	1 U
Benzo(B)Fluoranthene	**0.002**	UG/L	**1.1 J**	2 U
Benzo(G,H,I)Perylene	--	UG/L	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	1 U
Chrysene	**0.002**	UG/L	**1.2 J**	2 U
Cresols, M & P	--	UG/L	4.3 J	10 U
Dibenz(A,H)Anthracene	--	UG/L	1 U	1 U
Dibenzofuran	--	UG/L	8.4 J	10 U
Fluoranthene	50	UG/L	5 J	10 U
Fluorene	50	UG/L	10	10 U
Hexachlorobenzene	0.04	UG/L	1 U	1 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	2 U
Naphthalene	**10**	UG/L	**17**	2 U
Pentachlorophenol	1	UG/L	20 U	20 U
Phenanthrene	50	UG/L	18	10 U
Phenol	**1**	UG/L	**1.4 J**	10 U
Pyrene	50	UG/L	3.6 J	10 U

Table 7. Summary of Metals in Groundwater, 264 Butler Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	TW-1 10/22/2024 Total	TW-1 10/22/2024 Dissolved	TW-2 10/22/2024 Total	TW-2 10/22/2024 Dissolved
Sample Designation:			TW-1	TW-1	TW-2	TW-2
Sample Date:			10/22/2024	10/22/2024	10/22/2024	10/22/2024
Total or Dissolved			Total	Dissolved	Total	Dissolved
Aluminum	--	UG/L	NA	40 U	NA	40 U
Antimony	3	UG/L	NA	2 U	NA	2 U
Arsenic	25	UG/L	17.2	1.3 J	2.3	2 U
Barium	1000	UG/L	532	262	206	140
Beryllium	3	UG/L	0.14 J	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	2 U	2 U
Calcium	--	UG/L	NA	258000	NA	203000
Chromium, Total	50	UG/L	4.8	4 U	2.7 J	4 U
Cobalt	--	UG/L	NA	1.2 J	NA	4 U
Copper	200	UG/L	19.3	4 U	6.4	4 U
Iron	300	UG/L	NA	120 U	NA	120 U
Lead	**25**	UG/L	**185**	1.2 U	**63.3**	1.2 U
Magnesium	**35000**	UG/L	NA	**45700**	NA	23800
Manganese	**300**	UG/L	**1820**	**1730**	**982**	**966**
Mercury	**0.7**	UG/L	**1.2**	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	5.8	1.5 J	5.6	4 U
Potassium	--	UG/L	NA	29100	NA	16100
Selenium	10	UG/L	2.5 U	0.59 J	2.5 U	0.7 J
Silver	50	UG/L	2 U	2 U	2 U	2 U
Sodium	**20000**	UG/L	NA	**304000**	NA	**37700**
Thallium	0.5	UG/L	NA	0.8 U	NA	0.8 U
Vanadium	--	UG/L	NA	4 U	NA	4 U
Zinc	2000	UG/L	283	4.5 J	23.3	16 U

Table 8. Summary of Volatile Organic Compounds in Sub-Slab Vapor, SVI, 264 Butler Street, Brooklyn, New York

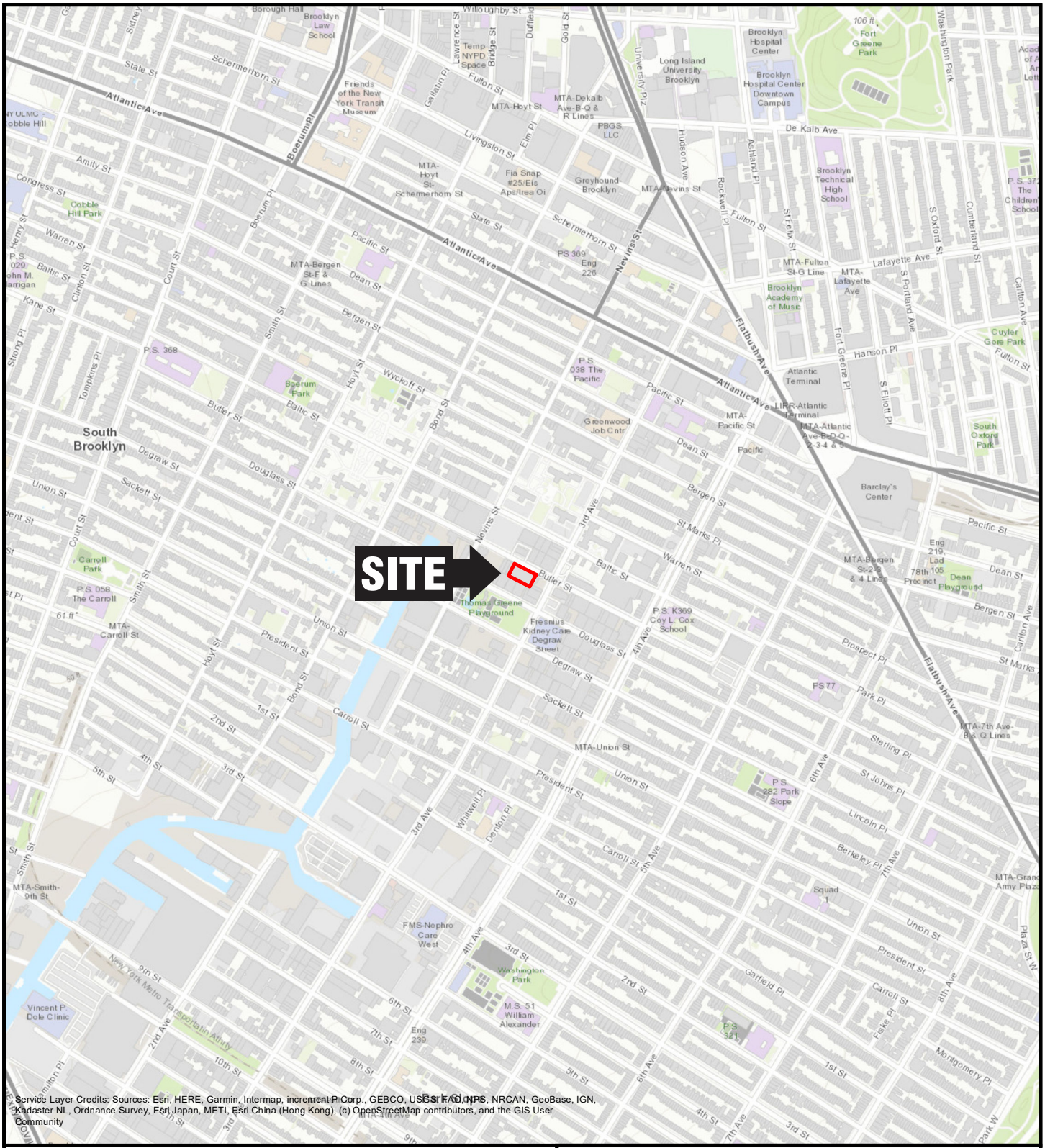
Sample Designation:		SV-1	SV-2
Sample Date:		10/23/2024	10/23/2024
Parameter	Units		
1,1,1-Trichloroethane (TCA)	UG/M3	**0.49 J**	**0.89 J**
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.5 U	**0.46 J**
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.2 U	0.2 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	**3.6**	**3.8**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	**0.73 J**	0.81 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	**1**	**1.3**
1,3-Butadiene	UG/M3	**0.41 J**	**1.2**
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	**5 J**	18 U
2,2,4-Trimethylpentane	UG/M3	**36**	**56**
2-Chlorotoluene	UG/M3	1 U	1 U
2-Hexanone	UG/M3	**1.1 J**	2 U
4-Ethyltoluene	UG/M3	**0.75 J**	**1.1**
Acetone	UG/M3	**410 D**	**130 D**
Allyl Chloride (3-Chloropropene)	UG/M3	1.6 U	1.6 U
Benzene	UG/M3	**3.7**	**2.8**
Benzyl Chloride	UG/M3	1 U	1 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U
Bromomethane	UG/M3	0.78 U	0.78 U
Butane	UG/M3	**15**	**36**
Carbon Disulfide	UG/M3	**3.8**	**7.4**
Carbon Tetrachloride	UG/M3	**0.18 J**	**0.27**
Chlorobenzene	UG/M3	0.92 U	**0.33 J**
Chlorodifluoromethane	UG/M3	**1.4 J**	**1.2 J**
Chloroethane	UG/M3	1.3 U	1.3 U
Chloroform	UG/M3	**2.5**	**2**
Chloromethane	UG/M3	**3**	**0.75 J**

Table 8. Summary of Volatile Organic Compounds in Sub-Slab Vapor, SVI, 264 Butler Street, Brooklyn, New York

Sample Designation:		SV-1	SV-2
Sample Date:		10/23/2024	10/23/2024
Parameter	Units		
Cis-1,2-Dichloroethylene	UG/M3	**0.7**	0.2 U
Cis-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U
Cyclohexane	UG/M3	**4**	**43**
Cymene	UG/M3	1.1 U	1.1 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	**2.4 J**	**3**
Ethylbenzene	UG/M3	**2.7**	**1.8**
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U
Isopropanol	UG/M3	**43**	**150 D**
Isopropylbenzene (Cumene)	UG/M3	**0.5 J**	**0.49 J**
m,p-Xylene	UG/M3	**7.7**	**5.5**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**54**	**4.4**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**6.9**	2 U
Methyl Methacrylate	UG/M3	2 U	**0.73 J**
Methylene Chloride	UG/M3	**0.75 J**	**1.3 J**
Naphthalene	UG/M3	**2.4**	2 U
N-Butylbenzene	UG/M3	1.1 U	1.1 U
N-Heptane	UG/M3	**14**	**6.7**
N-Hexane	UG/M3	**5.6**	**3.1**
N-Propylbenzene	UG/M3	**0.59 J**	**0.82 J**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**3.4**	**2.5**
Sec-Butylbenzene	UG/M3	1.1 U	1.1 U
Styrene	UG/M3	**1.1**	**0.97**
T-Butylbenzene	UG/M3	1.1 U	1.1 U
Tert-Butyl Alcohol	UG/M3	**8.9 J**	**4.5 J**
Tert-Butyl Methyl Ether	UG/M3	0.72 U	0.72 U
Tetrachloroethylene (PCE)	UG/M3	**3**	**1.4**
Tetrahydrofuran	UG/M3	15 U	15 U
Toluene	UG/M3	**24**	**18**
Trans-1,2-Dichloroethene	UG/M3	0.79 U	0.79 U
Trans-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U
Trichloroethylene (TCE)	UG/M3	**0.35**	0.2 U
Trichlorofluoromethane	UG/M3	**1.2**	**1.1**
Vinyl Bromide	UG/M3	0.87 U	0.87 U
Vinyl Chloride	UG/M3	0.2 U	0.2 U

FIGURES

1. Site Location Map
2. BCP Eligibility Sampling Locations
3. Summary of Exceedances in Soil
4. Summary of Exceedances in Groundwater
5. Summary of Detections in Sub-Slab Vapor



QUADRANGLE LOCATION

N

1,000 0 1,000'

Title:

SITE LOCATION MAP

264 BUTLER STREET
BROOKLYN NY

Prepared for:

172 3RD AVE LLC

ROUX

Compiled by: J.R.	Date: 12/11/2024
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: J.R.	Project: 4442.0003Y000
File: 4442.0003Y101.1.mxd	

FIGURE 1

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N

LEGEND

- LOCATION OF ROUX SOIL
- LOCATION OF ROUX SOIL BORING AND TEMPORARY MONITORING WELL
- LOCATION OF ROUX SUB SLAB VAPOR POINT
- PARCEL BOUNDARY
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)

60 0 60'

Title:

BCP ELIGIBILITY SAMPLING LOCATIONS

264 BUTLER STREET
BROOKLYN NY

Prepared for:

172 3RD AVE LLC

ROUX

Compiled by: J.R.	Date: 12/11/2024	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	2
Project Mgr: J.R.	Project: 4442.0003Y000	
File: 4442.0003Y101.2.mxd		

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SB-5	10/22/2024	10/22/2024
Depth (ft bls)	0 - 2	13 - 15
VOCs		
Acetone	ND	**0.5**
Benzene	ND	**0.44**
Metals		
Lead	**504**	**70.8**
Mercury	**2.2**	NE
Zinc	**121**	NE

SB-1	10/21/2024	10/21/2024
Depth (ft bls)	0 - 2	13 - 15
VOCs		
Benzene	ND	**0.82**
N-Propylbenzene	ND	**6.2**
Xylenes	ND	**2**
SVOCs		
Benzo(A)Pyrene	**1.1**	NE
Benzo(B)Fluoranthene	**1.1**	NE
Chrysene	**1.2**	NE
Cresols, M & P	ND	**0.5**
Indeno(1,2,3-C,D)Pyrene	**0.63**	NE
Metals		
Lead	**481**	**651**
Mercury	**0.42**	**0.42**
Zinc	**144**	**1540**

SB-2	10/21/2024	10/22/2024
Depth (ft bls)	0 - 2	9 - 11
Metals		
Lead	**292**	**64.8**
Mercury	**1.1**	**0.38**
Zinc	**124**	NE

SB-6	10/23/2024	10/23/2024
Depth (ft bls)	0 - 2	9 - 11
SVOCs		
Indeno(1,2,3-C,D)Pyrene	**0.57**	NE
Metals		
Lead	**357**	NE
Mercury	**2.5**	NE
Nickel	NE	**38.3**
Zinc	**146**	NE

SB-3	10/21/2024	10/23/2024
Depth (ft bls)	0 - 2	8 - 10
VOCs		
Acetone	ND	**0.14**
Metals		
Lead	**447**	**136**
Mercury	**0.57**	**0.38**
Zinc	**120**	NE

SB-4	10/21/2024	10/21/2024
Depth (ft bls)	0 - 2	9 - 11
VOCs		
Acetone	ND	**0.092**
Metals		
Lead	**329**	**223**
Mercury	**14.6**	**1.5**
Zinc	**184**	NE

Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	Units
VOCs			
Acetone	**0.05**	100	mg/kg
Benzene	**0.06**	4.8	mg/kg
N-Propylbenzene	**3.9**	100	mg/kg
Xylenes	**0.26**	100	mg/kg
SVOCs			
Benzo(A)Pyrene	**1**	1	mg/kg
Benzo(B)Fluoranthene	**1**	1	mg/kg
Chrysene	**1**	3.9	mg/kg
Cresols, M & P	**0.33**	100	mg/kg
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	mg/kg
Metals			
Lead	**63**	400	mg/kg
Mercury	**0.18**	0.81	mg/kg
Nickel	**30**	310	mg/kg
Zinc	**109**	10000	mg/kg
PCBs	ND	ND	mg/kg

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LEGEND

- LOCATION OF ROUX SOIL BORING
- LOCATION OF ROUX SOIL BORING AND TEMPORARY MONITORING WELL
- LOCATION OF ROUX SUB SLAB VAPOR POINT
- PARCEL BOUNDARY
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)
2. MG/KG - MILLIGRAMS PER KILOGRAM
   NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
   -- NO NYSDEC PART 375 SOIL CLEANUP OBJECTIVES AVAILABLE
   J - ESTIMATED VALUE
   DUP - DUPLICATE SAMPLE
   VOCS - VOLATILE ORGANIC COMPOUNDS
   SVOCS - SEMIVOLATILE ORGANIC COMPOUNDS
   PCBS - POLYCHLORINATED BIPHENYLS
   NE - NO EXCEEDANCE
   ND - NO DETECTION
   NA - NOT ANALYZED FOR BY LABORATORY
   FT BLS - FEET BELOW LAND SURFACE

60 0 60'

Title:

SUMMARY OF EXCEEDANCES IN SOIL

264 BUTLER STREET
BROOKLYN NY

Prepared for:

172 3RD AVE LLC

ROUX

Compiled by: J.R.	Date: 10/31/2024	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	3
Project Mgr: J.R.	Project: 4442.0003Y000	
File: 4442.0003Y101.3.mxd		

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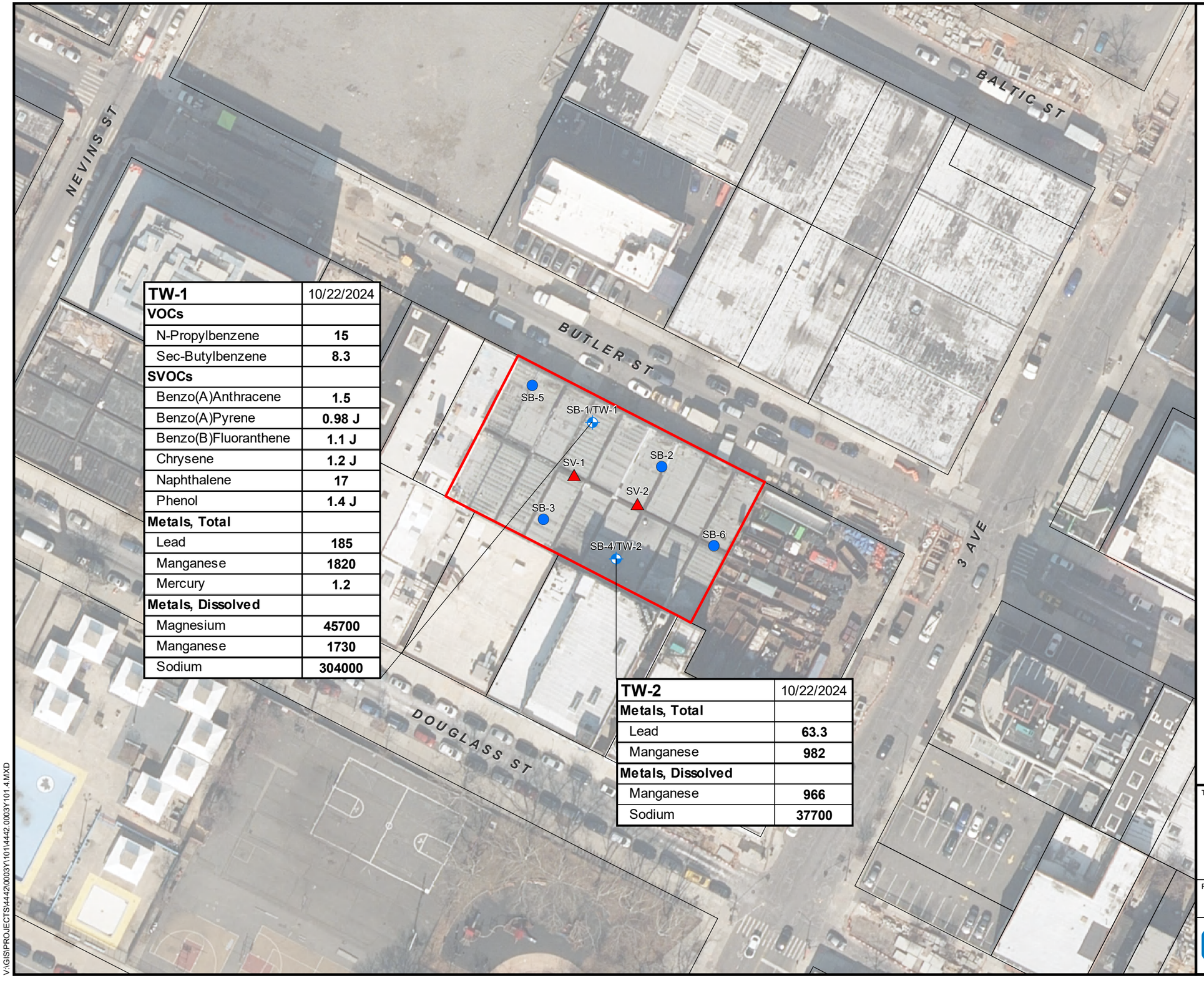

TW-1	10/22/2024
VOCs	
N-Propylbenzene	**15**
Sec-Butylbenzene	**8.3**
SVOCs	
Benzo(A)Anthracene	**1.5**
Benzo(A)Pyrene	**0.98 J**
Benzo(B)Fluoranthene	**1.1 J**
Chrysene	**1.2 J**
Naphthalene	**17**
Phenol	**1.4 J**
Metals, Total	
Lead	**185**
Manganese	**1820**
Mercury	**1.2**
Metals, Dissolved	
Magnesium	**45700**
Manganese	**1730**
Sodium	**304000**

TW-2	10/22/2024
Metals, Total	
Lead	**63.3**
Manganese	**982**
Metals, Dissolved	
Manganese	**966**
Sodium	**37700**

Parameter	NYSDEC AWQSGV	Units
VOCs		
N-Propylbenzene	**5**	µg/L
Sec-Butylbenzene	**5**	µg/L
SVOCs		
Benzo(A)Anthracene	**0.002**	µg/L
Benzo(A)Pyrene	**0**	µg/L
Benzo(B)Fluoranthene	**0.002**	µg/L
Chrysene	**0.002**	µg/L
Naphthalene	**10**	µg/L
Phenol	**1**	µg/L
Metals, Total		
Lead	**25**	µg/L
Magnesium	**35000**	µg/L
Manganese	**300**	µg/L
Mercury	**0.7**	µg/L
Sodium	**20000**	µg/L
Metals, Dissolved		
Lead	**25**	µg/L
Magnesium	**35000**	µg/L
Manganese	**300**	µg/L
Mercury	**0.7**	µg/L
Sodium	**20000**	µg/L

N

LEGEND

- LOCATION OF ROUX SOIL BORING
- LOCATION OF ROUX SOIL BORING AND TEMPORARY MONITORING WELL
- LOCATION OF ROUX SUB SLAB VAPOR POINT
- PARCEL BOUNDARY
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)
2. CONCENTRATIONS IN µG/L
3. µG/L - MICROGRAMS PER LITER
   NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
   AWQSGVS - AMBIENT WATER-QUALITY STANDARDS AND GUIDANCE VALUES
   -- NO NYSDEC AWQSGV AVAILABLE
   J - ESTIMATED VALUE
   VOCS - VOLATILE ORGANIC COMPOUNDS
   SVOCS - SEMIVOLATILE ORGANIC COMPOUNDS
   NE - NO EXCEEDANCES
   ND - NO DETECTION

60 0 60'

Title:

SUMMARY OF EXCEEDANCES IN GROUNDWATER

264 BUTLER STREET
BROOKLYN NY

Prepared for:

172 3RD AVE LLC

ROUX

Compiled by: J.R.	Date: 10/31/2024	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	4
Project Mgr: J.R.	Project: 4442.0003Y000	
File: 4442.0003Y101.4.mxd		

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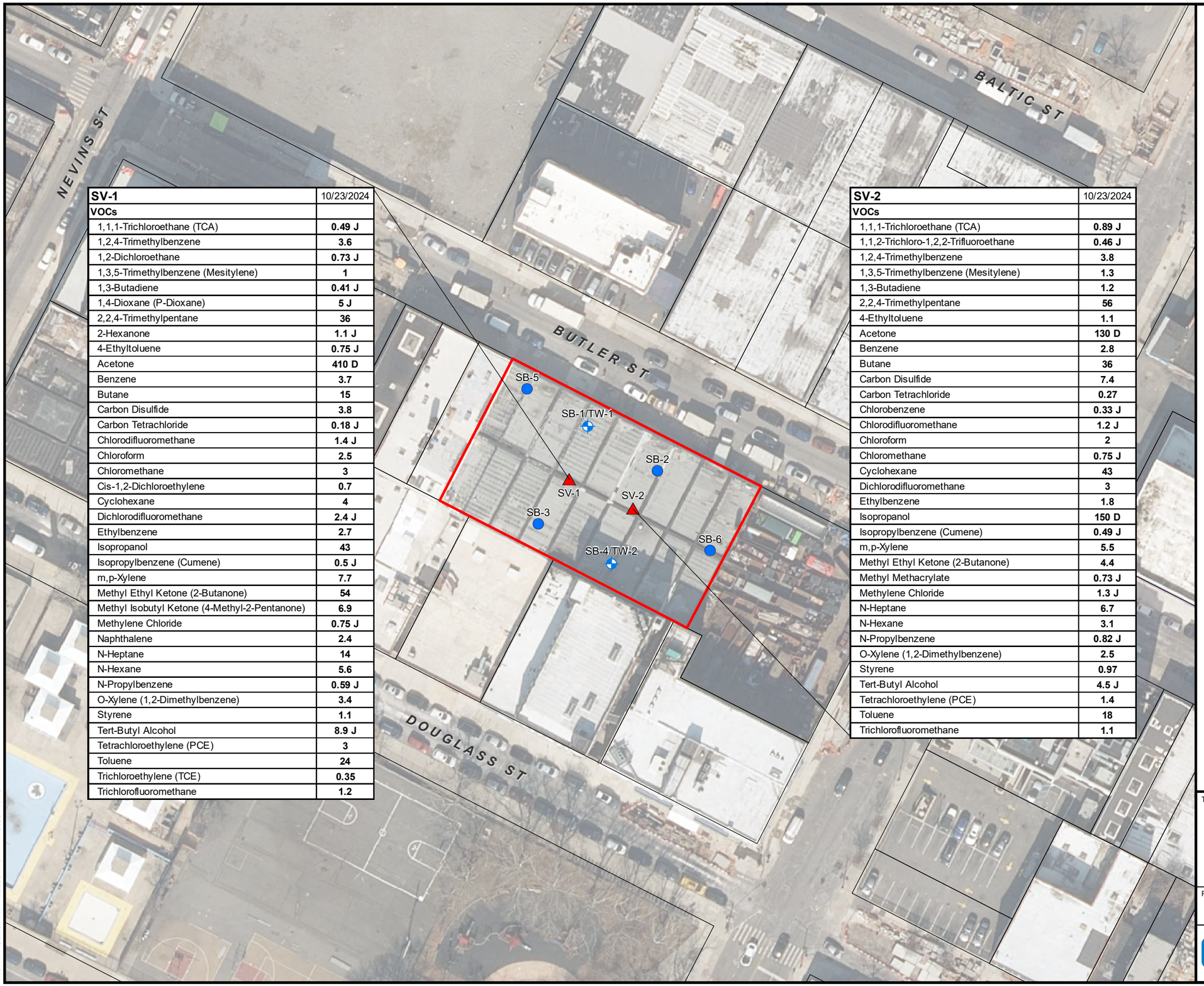

SV-1	10/23/2024
VOCs	
1,1,1-Trichloroethane (TCA)	**0.49 J**
1,2,4-Trimethylbenzene	**3.6**
1,2-Dichloroethane	**0.73 J**
1,3,5-Trimethylbenzene (Mesitylene)	**1**
1,3-Butadiene	**0.41 J**
1,4-Dioxane (P-Dioxane)	**5 J**
2,2,4-Trimethylpentane	**36**
2-Hexanone	**1.1 J**
4-Ethyltoluene	**0.75 J**
Acetone	**410 D**
Benzene	**3.7**
Butane	**15**
Carbon Disulfide	**3.8**
Carbon Tetrachloride	**0.18 J**
Chlorodifluoromethane	**1.4 J**
Chloroform	**2.5**
Chloromethane	**3**
Cis-1,2-Dichloroethylene	**0.7**
Cyclohexane	**4**
Dichlorodifluoromethane	**2.4 J**
Ethylbenzene	**2.7**
Isopropanol	**43**
Isopropylbenzene (Cumene)	**0.5 J**
m,p-Xylene	**7.7**
Methyl Ethyl Ketone (2-Butanone)	**54**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**6.9**
Methylene Chloride	**0.75 J**
Naphthalene	**2.4**
N-Heptane	**14**
N-Hexane	**5.6**
N-Propylbenzene	**0.59 J**
O-Xylene (1,2-Dimethylbenzene)	**3.4**
Styrene	**1.1**
Tert-Butyl Alcohol	**8.9 J**
Tetrachloroethylene (PCE)	**3**
Toluene	**24**
Trichloroethylene (TCE)	**0.35**
Trichlorofluoromethane	**1.2**

SV-2	10/23/2024
VOCs	
1,1,1-Trichloroethane (TCA)	**0.89 J**
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.46 J**
1,2,4-Trimethylbenzene	**3.8**
1,3,5-Trimethylbenzene (Mesitylene)	**1.3**
1,3-Butadiene	**1.2**
2,2,4-Trimethylpentane	**56**
4-Ethyltoluene	**1.1**
Acetone	**130 D**
Benzene	**2.8**
Butane	**36**
Carbon Disulfide	**7.4**
Carbon Tetrachloride	**0.27**
Chlorobenzene	**0.33 J**
Chlorodifluoromethane	**1.2 J**
Chloroform	**2**
Chloromethane	**0.75 J**
Cyclohexane	**43**
Dichlorodifluoromethane	**3**
Ethylbenzene	**1.8**
Isopropanol	**150 D**
Isopropylbenzene (Cumene)	**0.49 J**
m,p-Xylene	**5.5**
Methyl Ethyl Ketone (2-Butanone)	**4.4**
Methyl Methacrylate	**0.73 J**
Methylene Chloride	**1.3 J**
N-Heptane	**6.7**
N-Hexane	**3.1**
N-Propylbenzene	**0.82 J**
O-Xylene (1,2-Dimethylbenzene)	**2.5**
Styrene	**0.97**
Tert-Butyl Alcohol	**4.5 J**
Tetrachloroethylene (PCE)	**1.4**
Toluene	**18**
Trichlorofluoromethane	**1.1**

LEGEND

- LOCATION OF ROUX SOIL BORING
- LOCATION OF ROUX SOIL BORING AND TEMPORARY MONITORING WELL
- LOCATION OF ROUX SUB SLAB VAPOR POINT
- PARCEL BOUNDARY
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)
2. CONCENTRATIONS IN µG/M^3
3. µG/M^3 - MICROGRAMS PER CUBIC METER
   J - ESTIMATED VALUE
   D - A SECONDARY ANALYSIS AFTER DILUTION DUE TO EXCEEDANCE OF THE CALIBRATION RANGE IN THE ORIGINAL SAMPLE
   VOCS - VOLATILE ORGANIC COMPOUNDS

N

60 0 60'

Title:

SUMMARY OF DETECTIONS IN SUB-SLAB VAPOR

264 BUTLER STREET
BROOKLYN NY

Prepared for:

172 3RD AVE LLC

ROUX

Compiled by: J.R.	Date: 12/11/2024	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	5
Project Mgr: J.R.	Project: 4442.0003Y000	
File: 4442.0003Y101.5.mxd		

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ATTACHMENTS

1. Soil Boring Logs
2. Laboratory Analytical Reports

ATTACHMENT 1

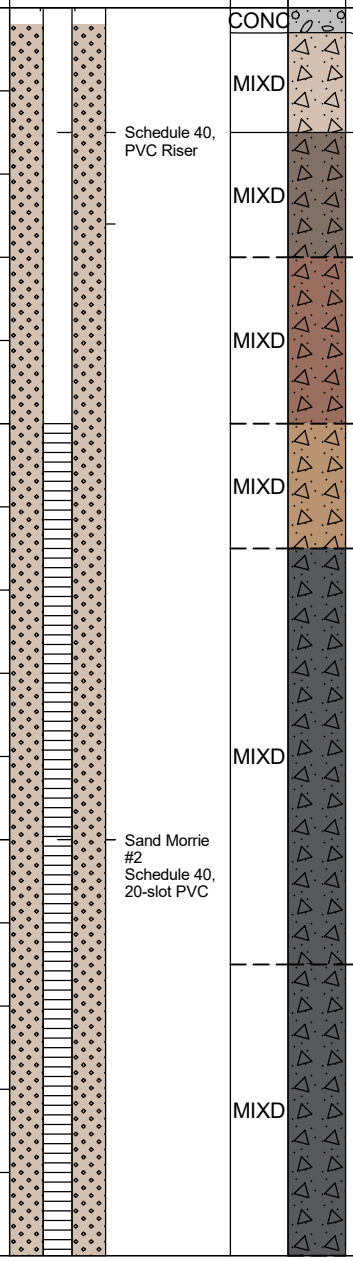
Soil Boring Logs

SB-1 / TW-1

Client: 172 3RD AVE LLC	Site: 264 Butler Street	Project Number: 4442.0003Y000
Address: 264 Butler Street	City/State: Brooklyn, NY	Logged By: B. Weintraub

Start to Finish Date: 10/21/2024 - 10/21/2024	Contractor: Coastal Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Split Spoon
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 2-inches	DTW: 11.5 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Well Depth: 15 feet	Well Dia./Materials: 1-inch PVC	Screen Interval: 5-15 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal:



Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC	CONCRETE.			1.0	Soil sample SB-1_(0-2) collected for VOCs, SVOCs, metals, and PCBs.
	MIXD	Light brown, fine to corse SAND, little fine to coarse Gravel, trace silt, cobble (FILL); moist.			0.9	
	MIXD	Dark brown, fine to coarse SAND, trace silt, cobble, fine to coarse gravel, brick, asphalt (FILL); moist.	G	5	0.6	
	MIXD	Reddish brown, fine to medium SAND, little Silt, trace fine to coarse gravel, cobble (FILL); moist.			3.4	
5	MIXD	Brown, medium to coarse SAND, trace fine to coarse Gravel, metal (FILL); moist.			197.6	Staining and odor observed from 6.5 to 10 ft bls.
	MIXD	Dark grey, fine to coarse SAND, some Silt, trace glass, medium gravel (FILL); moist.		4.5		
10	MIXD	Dark grey, fine to coarse SAND, some Silt, trace glass, medium gravel (FILL); wet.			209.2	
	MIXD			4.5	607.4	Soil sample SB-1_(13-15) collected for VOCs, SVOCs, and metals.

Bottom of borehole at 15 feet

ROUX STANDARD LOG_ - 12/9/24 10:42 - S:\GINT\PROJECTS\4442.0003Y000.GPJ

SB-2

Client: 172 3RD AVE LLC	Site: 264 Butler Street	Project Number: 4442.0003Y000
Address: 264 Butler Street	City/State: Brooklyn, NY	Logged By: B. Weintraub

Start to Finish Date: 10/21/2024 - 10/22/2024	Contractor: Coastal Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Split Spoon
Borehole Depth: 60 feet	Backfill: Cuttings	Borehole Diameter: 2-inches	DTW: 11 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	CONC		CONCRETE.	G	5	0.8	Soil sample SB-2_(0-2) collected for VOCs, SVOCs, metals, and PCBs.
	MIXD		Dark brown, medium to coarse SAND, trace cobble, fine to coarse gravel, brick (FILL); moist.			0.5	
	MIXD					0.4	
	MIXD		Light brown, fine to medium SAND, some Silt, trace cobble, fine to coarse gravel (FILL), moist.			0.4	
5	MIXD					0.9	
	MIXD		Brown, fine to coarse SAND, some Silt, trace cobble, fine to coarse gravel (FILL); moist.		4.5		
	MIXD		Brown, fine to coarse SAND, some Silt, trace cobble, fine to coarse gravel, brick (FILL); moist.			9.7	Soil sample SB-2_(9-11) collected for VOCs, SVOCs, and metals.
10	MIXD		Brown, fine to coarse SAND, little Silt, trace fine to coarse gravel, glass, asphalt (FILL); moist.		1.5		
			Greyish brown, fine to coarse SAND, little Silt, trace fine to coarse gravel, glass, asphalt (FILL); moist.			0.7	
15			Dark brown, fine to medium SAND, some Silt, trace fine gravel, glass, asphalt (FILL); wet.		0		
			NO RECOVERY.				
20	MIXD		Greyish brown, fine to coarse SAND, some Silt, trace fine to coarse gravel, tile, glass, brick (FILL): wet.		5		
25						9	
					5		
	CLS		Greyish brown, CLAY, little fine Sand, Silt, trace fine gravel; moist.			15.7	
30	SW-SM		Greyish brown, fine to coarse SAND, little Silt, trace fine to coarse gravel; wet.		2	3.4	
35	CL-ML		Grey, CLAY, little Silt, trace fine to medium sand; moist.			5.6	
			Grey, fine to coarse SAND, some Clay, little Silt, trace fine to medium gravel; wet.		5	2.4	
40	SW-SC				5	2.7	
45	SP-SM		Grey, fine SAND, some Silt, trace fine gravel; wet.			2.3	
	SP-SM		Brown, fine SAND, some Silt, trace fine gravel; wet.		5	0.7	
50	SP-SM		Greyish brown, fine to medium SAND, some Silt, trace fine to medium gravel; wet.		2.5	0.7	
55	SW-SM		Greyish brown, fine to coarse SAND, little Silt and Clay, fine to medium Gravel; wet.		4.5	0.2	
						0.2	
			Bottom of borehole at 60 feet				

ROUX STANDARD LOG_ - 12/9/24 10:42 - S:\GINT\PROJECTS\4442.0003Y000.GPJ

SB-3

Client: 172 3RD AVE LLC	Site: 264 Butler Street	Project Number: 4442.0003Y000
Address: 264 Butler Street	City/State: Brooklyn, NY	Logged By: B. Weintraub

Start to Finish Date: 10/21/2024 - 10/22/2024	Contractor: Coastal Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 55 feet	Backfill: Cuttings	Borehole Diameter: 2-inches	DTW: 10 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.			2.0	Soil sample SB-3_(0-2) collected for VOCs, SVOCs, metals, and PCBs.
	MIXD		Brown, fine to coarse SAND, trace cobble, fine to coarse gravel, brick, asphalt (FILL); moist.	G	5	0.2	
	MIXD					0.8	
	MIXD		Greyish brown, fine to coarse SAND, trace cobble, fine to coarse gravel, brick, asphalt (FILL); moist.			0.7	
5	MIXD		Dark brown, fine to coarse SAND, trace fine to coarse gravel, asphalt (FILL); moist.		4.5	0.7	
	MIXD		Brown, fine to coarse SAND, trace fine to coarse gravel, asphalt (FILL); moist.			0.6	
	MIXD					1.0	Soil sample SB-3_(8-10) collected for VOCs, SVOCs, and metals.
10	MIXD		Dark brown, medium to coarse SAND, little Silt, trace fine to coarse gravel, tile, asphalt (FILL); moist.		0.5	0.9	
			Brown, medium to coarse SAND, little Silt, trace fine to coarse gravel, tile, asphalt (FILL); moist.				
15	MIXD		Dark brown, fine to medium SAND, little Silt, trace fine to medium gravel (FILL); moist.		4.5	0.3	
			Dark brown, fine to medium SAND, little Silt, trace fine to medium gravel (FILL); wet.			0.4	
20	MIXD		Grey, fine to coarse SAND, some Silt, trace fine to coarse gravel (FILL); wet.		2.5	0.1	
			Grey, fine to coarse SAND, little Silt, trace fine to coarse gravel (FILL); wet.				
25	MIXD		Grey, fine to coarse SAND, little Silt, trace fine to coarse gravel, tile (FILL); wet.		5	0.2	
	CLS		Greyish brown, CLAY, little fine to medium Sand, Silt, trace medium gravel; wet.			2.0	
30	SW-SM		Grey, fine to coarse SAND, little Silt, trace fine to coarse gravel; wet.		4.5	1.7	
	CL-ML		Grey, CLAY, little Silt, fine to medium Sand, trace fine to coarse gravel; wet.			7.8	
35	SW-SM / SP-SM		Grey, fine to coarse SAND, some Silt, trace fine to medium gravel; wet.		5	0.2	
			Grey, fine to medium SAND, some Silt, little Clay, trace fine to medium gravel; wet.			11.7	
40	SP-SM		Grey, fine to medium SAND, little Silt, Clay, trace fine to medium gravel; wet.		2	1.7	
45	SP-SM		Greyish brown, fine to medium SAND, little Silt, Clay, trace fine to medium gravel; wet.		5	10.1	
50	SW-SM		Grey, fine to coarse SAND, little Silt, Clay, trace fine gravel; wet.		5		

Bottom of borehole at 55 feet

ROUX STANDARD LOG_ - 12/9/24 10:42 - S:\GINT\PROJECTS\4442.0003Y000.GPJ

SB-4 / TW-2

Client: 172 3RD AVE LLC	Site: 264 Butler Street	Project Number: 4442.0003Y000
Address: 264 Butler Street	City/State: Brooklyn, NY	Logged By: B. Weintraub

Start to Finish Date: 10/21/2024 - 10/21/2024	Contractor: Coastal Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Split Spoon
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 2-inches	DTW: 11 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Well Depth: 15 feet	Well Dia./Materials: 1-inch PVC	Screen Interval: 5-15 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal:

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		CONC		CONCRETE.			3.5	Soil sample SB-4_(0-2) collected for VOCs, SVOCs, metals, and PCBs.
		MIXD		Light brown, fine to coarse SAND, trace silt, cobble, fine to coarse gravel, asphalt (FILL); moist.				
		MIXD		Brown, fine to coarse SAND, trace silt, cobble, fine to coarse gravel, asphalt, glass (FILL); moist.			5.3	
	Schedule 40, PVC Riser	MIXD		Grey, fine to coarse SAND, trace silt, cobble, fine to coarse gravel, asphalt, glass (FILL); moist.	G	5	0.9	
		MIXD		Brown, fine to medium SAND, little Silt, trace fine to coarse gravel, cobble, brick, asphalt, tile (FILL); moist.			0.9	
5		MIXD		Light brown, fine to coarse SAND, little Silt, trace fine to coarse gravel (FILL); moist.			0.7	
		MIXD		Brown, fine to coarse SAND, little Silt, trace fine to coarse gravel, asphalt, tile (FILL); moist.			1.0	
		MIXD		Brown, fine to medium SAND, little Silt, trace fine to medium gravel (FILL); moist.			4.2	
		MIXD		Grey, fine to coarse SAND, little Silt, trace asphalt, glass, fine to medium gravel (FILL); moist.		4.5	3.7	
10	Sand Morrie #2 Schedule 40, 20-slot PVC	MIXD		Dark brown, fine to coarse SAND, little Silt, trace fine to coarse gravel (FILL); moist.			4.1	Soil sample SB-4_(9-11) collected for VOCs, SVOCs, and metals.
		MIXD		Brown, fine to coarse SAND, little Silt, trace fine to medium gravel (FILL); wet.			4.6	Staining and odor observed from 8.5 to 14 ft bls.
		MIXD		Dark brown, fine to coarse SAND, little Silt, trace fine to coarse gravel, brick (FILL); wet.		4	4.8	
							5.6	

Bottom of borehole at 15 feet

ROUX STANDARD LOG - 12/9/24 10:42 - S:\GINT\PROJECTS\4442.0003Y000.GPJ

SB-5

Client:	Site:	Project Number:
172 3RD AVE LLC	264 Butler Street	4442.0003Y000
Address:	**City/State:**	**Logged By:**
264 Butler Street	Brooklyn, NY	B. Weintraub

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
10/22/2024 - 10/22/2024	Coastal Environmental	Geoprobe	2" Split Spoon
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
15 feet	Cuttings	2-inches	12 feet
Area:	**Elevation:**	**Latitude:**	**Longitude:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				
	MIXD		Brown, fine to coarse SAND, trace cobble, fine to coarse gravel, tile, brick, asphalt, glass (FILL);moist.	G	5	2.2	Soil sample SB-5_(0-2) collected for VOCs, SVOCs, metals, and PCBs.
						0.5	
5	MIXD		Brown, fine to medium SAND, some Silt, trace fine to medium gravel, asphalt (FILL); moist.			3.0	
	MIXD		Dark brown, fine to medium SAND, some Silt, trace fine to medium gravel, asphalt (FILL); moist.		4.5	145.1	Staining and odor observed from 6 to 8.5 ft bls.
10	MIXD		Dark brown, fine to medium SAND, some Silt, trace fine to medium gravel, asphalt, brick (FILL); moist.			153.6	
						247.0	
	MIXD		Dark brown, fine to medium SAND, some Silt, trace fine to medium gravel, asphalt (FILL); wet.		3	1127	Soil sample SB-5_(13-15) collected for VOCs, SVOCs, and metals.
			Bottom of borehole at 15 feet				

ROUX STANDARD LOG_ - 12/9/24 10:42 - S:\GINT\PROJECTS\4442.0003Y000.GPJ

SB-6

Client: 172 3RD AVE LLC	Site: 264 Butler Street	Project Number: 4442.0003Y000
Address: 264 Butler Street	City/State: Brooklyn, NY	Logged By: B. Weintraub

Start to Finish Date: 10/23/2024 - 10/23/2024	Contractor: Coastal Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Split Spoon
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 2-inches	DTW: 11 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				
	MIXD		Brown, fine to coarse SAND, trace silt, cobble, fine to coarse gravel, glass (FILL); moist.	G	5	0.8	Soil sample SB-6_(0-2) collected for VOCs, SVOCs, metals, and PCBs.
	MIXD		Brown, fine to medium SAND, little Silt, trace fine to coarse gravel, glass (FILL); moist.			0.9	
5	MIXD		Brown, fine to coarse SAND, trace silt, fine to coarse gravel (FILL); moist.		4.5	0.2	
	MIXD		Dark brown, fine to coarse SAND, trace fine to coarse gravel (FILL); moist.			0.0	
10	MIXD		Greyish brown, fine to medium SAND, some Silt, trace clay, fine gravel (FILL); wet.		4	1.0	Soil sample SB-6_(9-11) collected for VOCs, SVOCs, and metals.
	MIXD						
			Bottom of borehole at 15 feet				

ROUX STANDARD LOG_ - 12/9/24 10:42 - S:\GINT\PROJECTS\4442.0003Y000.GPJ

ATTACHMENT 2

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jack Rusk
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia NY 11749

Generated 10/28/2024 6:54 PM

JOB DESCRIPTION

264 Butler Street

JOB NUMBER

200-75561-1

Eurofins Burlington
530 Community Drive
Suite 11
South Burlington VT 05403

See page two for job notes and contact information.

my EOL

Eurofins Burlington

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 TestAmerica Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

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Authorized for release by
Elizabeth J Flannery, Project Manager I
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732 549-3900

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Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
E	Result exceeded calibration range.
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.

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)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: 264 Butler Street

Report Number: 200-75561-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 10/24/2024 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS (AMBIENT AIR)
Samples SV-1_10232024 (200-75561-1) and SV-2_10232024 (200-75561-2) were analyzed for Volatile Organics (Ambient Air) in accordance with EPA Method TO15. The samples were analyzed on 10/25/2024 and 10/27/2024.

Samples SV-1_10232024 (200-75561-1)[5X] and SV-2_10232024 (200-75561-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75561-1
Project/Site: 264 Butler Street

Client Sample ID: SV-1_10232024
Lab Sample ID: 200-75561-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.4	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.4	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	3.0		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	15		1.2	0.48	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.41	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.2		1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	340	E	12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	43		12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.8		1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.75	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	8.9	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	5.6		1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	54		1.5	1.4	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.70		0.20	0.083	ug/m3	1		TO-15	Total/NA
Chloroform	2.5		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.49	J	1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	4.0		0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.18	J	0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	36		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	3.7		0.64	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethane	0.73	J	0.81	0.38	ug/m3	1		TO-15	Total/NA
n-Heptane	14		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.35		0.20	0.13	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	5.0	J	18	0.30	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	6.9		2.0	0.53	ug/m3	1		TO-15	Total/NA
Toluene	24		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	3.0		1.4	0.14	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.1	J	2.0	0.61	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.7		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	7.7		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	3.4		0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	1.1		0.85	0.25	ug/m3	1		TO-15	Total/NA
Cumene	0.50	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.59	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.75	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.0		0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.6		0.98	0.39	ug/m3	1		TO-15	Total/NA
Naphthalene	2.4		2.0	1.6	ug/m3	1		TO-15	Total/NA
Acetone - DL	410	D	59	19	ug/m3	5		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.48	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.38	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	1.5		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	6.2		0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.19	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.21		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	140	E	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	18		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.2		0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.22	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-1_10232024 (Continued)
Lab Sample ID: 200-75561-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
tert-Butyl alcohol	3.0	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	1.6		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	18		0.50	0.49	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.18		0.050	0.021	ppb v/v	1		TO-15	Total/NA
Chloroform	0.52		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.090	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	1.2		0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.028	J	0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	7.7		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	1.2		0.20	0.044	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethane	0.18	J	0.20	0.093	ppb v/v	1		TO-15	Total/NA
n-Heptane	3.5		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.065		0.037	0.025	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	1.4	J	5.0	0.082	ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.7		0.50	0.13	ppb v/v	1		TO-15	Total/NA
Toluene	6.3		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.44		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.28	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.62		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.8		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.79		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.25		0.20	0.059	ppb v/v	1		TO-15	Total/NA
Cumene	0.10	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.12	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.15	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.20		0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.72		0.20	0.080	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.46		0.38	0.30	ppb v/v	1		TO-15	Total/NA
Acetone - DL	170	D	25	8.0	ppb v/v	5		TO-15	Total/NA

Client Sample ID: SV-2_10232024
Lab Sample ID: 200-75561-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.0		2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.2	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.75	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	36		1.2	0.48	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	1.2		0.44	0.086	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.46	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	120	E	12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	140	E	12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	7.4		1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.3	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	4.5	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	3.1		1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	4.4		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	2.0		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.89	J	1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	43		0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.27		0.22	0.14	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-2_10232024 (Continued)
Lab Sample ID: 200-75561-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,2,4-Trimethylpentane	56		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	2.8		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	6.7		0.82	0.23	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	0.73	J	2.0	0.57	ug/m3	1		TO-15	Total/NA
Toluene	18		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.4		1.4	0.14	ug/m3	1		TO-15	Total/NA
Chlorobenzene	0.33	J	0.92	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.8		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	5.5		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	2.5		0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	0.97		0.85	0.25	ug/m3	1		TO-15	Total/NA
Cumene	0.49	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.82	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	1.1		0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.3		0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.8		0.98	0.39	ug/m3	1		TO-15	Total/NA
Acetone - DL	130	D	24	7.6	ug/m3	2		TO-15	Total/NA
Isopropyl alcohol - DL	150	D	25	7.9	ug/m3	2		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.61		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.34	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.36	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	15		0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.55		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.20		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.060	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	51	E	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	55	E	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.4		0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.37	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.5	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.88		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.5		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.42		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.16	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	12		0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.043		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	12		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.89		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	1.6		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.18	J	0.50	0.14	ppb v/v	1		TO-15	Total/NA
Toluene	4.8		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.20		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Chlorobenzene	0.072	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.42		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.3		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.57		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.23		0.20	0.059	ppb v/v	1		TO-15	Total/NA
Cumene	0.10	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.17	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.22		0.20	0.049	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-2_10232024 (Continued)
Lab Sample ID: 200-75561-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	0.27		0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.78		0.20	0.080	ppb v/v	1		TO-15	Total/NA
Acetone - DL	56	D	10	3.2	ppb v/v	2		TO-15	Total/NA
Isopropyl alcohol - DL	60	D	10	3.2	ppb v/v	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-1_10232024
Lab Sample ID: 200-75561-1

Date Collected: 10/23/24 13:05
Matrix: Air
Date Received: 10/24/24 10:40
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.4**	**J**	2.5	0.54	ug/m3			10/25/24 16:41	1
Chlorodifluoromethane	**1.4**	**J**	1.8	0.42	ug/m3			10/25/24 16:41	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			10/25/24 16:41	1
Chloromethane	**3.0**		1.0	0.31	ug/m3			10/25/24 16:41	1
n-Butane	**15**		1.2	0.48	ug/m3			10/25/24 16:41	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			10/25/24 16:41	1
1,3-Butadiene	**0.41**	**J**	0.44	0.086	ug/m3			10/25/24 16:41	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			10/25/24 16:41	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			10/25/24 16:41	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			10/25/24 16:41	1
Trichlorofluoromethane	**1.2**		1.1	0.28	ug/m3			10/25/24 16:41	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			10/25/24 16:41	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			10/25/24 16:41	1
Acetone	**340**	**E**	12	3.8	ug/m3			10/25/24 16:41	1
Isopropyl alcohol	**43**		12	3.9	ug/m3			10/25/24 16:41	1
Carbon disulfide	**3.8**		1.6	0.40	ug/m3			10/25/24 16:41	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			10/25/24 16:41	1
Methylene Chloride	**0.75**	**J**	1.7	0.63	ug/m3			10/25/24 16:41	1
tert-Butyl alcohol	**8.9**	**J**	15	3.6	ug/m3			10/25/24 16:41	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			10/25/24 16:41	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			10/25/24 16:41	1
n-Hexane	**5.6**		1.8	0.39	ug/m3			10/25/24 16:41	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			10/25/24 16:41	1
Methyl Ethyl Ketone (2-Butanone)	**54**		1.5	1.4	ug/m3			10/25/24 16:41	1
cis-1,2-Dichloroethene	**0.70**		0.20	0.083	ug/m3			10/25/24 16:41	1
Chloroform	**2.5**		0.98	0.20	ug/m3			10/25/24 16:41	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			10/25/24 16:41	1
1,1,1-Trichloroethane	**0.49**	**J**	1.1	0.24	ug/m3			10/25/24 16:41	1
Cyclohexane	**4.0**		0.69	0.20	ug/m3			10/25/24 16:41	1
Carbon tetrachloride	**0.18**	**J**	0.22	0.14	ug/m3			10/25/24 16:41	1
2,2,4-Trimethylpentane	**36**		0.93	0.18	ug/m3			10/25/24 16:41	1
Benzene	**3.7**		0.64	0.14	ug/m3			10/25/24 16:41	1
1,2-Dichloroethane	**0.73**	**J**	0.81	0.38	ug/m3			10/25/24 16:41	1
n-Heptane	**14**		0.82	0.23	ug/m3			10/25/24 16:41	1
Trichloroethene	**0.35**		0.20	0.13	ug/m3			10/25/24 16:41	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			10/25/24 16:41	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			10/25/24 16:41	1
1,4-Dioxane	**5.0**	**J**	18	0.30	ug/m3			10/25/24 16:41	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			10/25/24 16:41	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			10/25/24 16:41	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**6.9**		2.0	0.53	ug/m3			10/25/24 16:41	1
Toluene	**24**		0.75	0.23	ug/m3			10/25/24 16:41	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			10/25/24 16:41	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			10/25/24 16:41	1
Tetrachloroethene	**3.0**		1.4	0.14	ug/m3			10/25/24 16:41	1
Methyl Butyl Ketone (2-Hexanone)	**1.1**	**J**	2.0	0.61	ug/m3			10/25/24 16:41	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			10/25/24 16:41	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			10/25/24 16:41	1

Client Sample ID: SV-1_10232024
Lab Sample ID: 200-75561-1

Date Collected: 10/23/24 13:05
Matrix: Air
Date Received: 10/24/24 10:40
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			10/25/24 16:41	1
Ethylbenzene	**2.7**		0.87	0.30	ug/m3			10/25/24 16:41	1
m,p-Xylene	**7.7**		2.2	0.41	ug/m3			10/25/24 16:41	1
o-Xylene	**3.4**		0.87	0.27	ug/m3			10/25/24 16:41	1
Styrene	**1.1**		0.85	0.25	ug/m3			10/25/24 16:41	1
Bromoform	2.1	U	2.1	1.2	ug/m3			10/25/24 16:41	1
Cumene	**0.50**	**J**	0.98	0.20	ug/m3			10/25/24 16:41	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			10/25/24 16:41	1
n-Propylbenzene	**0.59**	**J**	0.98	0.23	ug/m3			10/25/24 16:41	1
4-Ethyltoluene	**0.75**	**J**	0.98	0.24	ug/m3			10/25/24 16:41	1
1,3,5-Trimethylbenzene	**1.0**		0.98	0.23	ug/m3			10/25/24 16:41	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			10/25/24 16:41	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			10/25/24 16:41	1
1,2,4-Trimethylbenzene	**3.6**		0.98	0.39	ug/m3			10/25/24 16:41	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			10/25/24 16:41	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			10/25/24 16:41	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			10/25/24 16:41	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			10/25/24 16:41	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			10/25/24 16:41	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			10/25/24 16:41	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			10/25/24 16:41	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			10/25/24 16:41	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			10/25/24 16:41	1
Naphthalene	**2.4**		2.0	1.6	ug/m3			10/25/24 16:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.48**	**J**	0.50	0.11	ppb v/v			10/25/24 16:41	1
Chlorodifluoromethane	**0.38**	**J**	0.50	0.12	ppb v/v			10/25/24 16:41	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			10/25/24 16:41	1
Chloromethane	**1.5**		0.50	0.15	ppb v/v			10/25/24 16:41	1
n-Butane	**6.2**		0.50	0.20	ppb v/v			10/25/24 16:41	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			10/25/24 16:41	1
1,3-Butadiene	**0.19**	**J**	0.20	0.039	ppb v/v			10/25/24 16:41	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			10/25/24 16:41	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			10/25/24 16:41	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			10/25/24 16:41	1
Trichlorofluoromethane	**0.21**		0.20	0.050	ppb v/v			10/25/24 16:41	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			10/25/24 16:41	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			10/25/24 16:41	1
Acetone	**140**	**E**	5.0	1.6	ppb v/v			10/25/24 16:41	1
Isopropyl alcohol	**18**		5.0	1.6	ppb v/v			10/25/24 16:41	1
Carbon disulfide	**1.2**		0.50	0.13	ppb v/v			10/25/24 16:41	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			10/25/24 16:41	1
Methylene Chloride	**0.22**	**J**	0.50	0.18	ppb v/v			10/25/24 16:41	1
tert-Butyl alcohol	**3.0**	**J**	5.0	1.2	ppb v/v			10/25/24 16:41	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			10/25/24 16:41	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			10/25/24 16:41	1
n-Hexane	**1.6**		0.50	0.11	ppb v/v			10/25/24 16:41	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			10/25/24 16:41	1

Client Sample ID: SV-1_10232024
Lab Sample ID: 200-75561-1

Date Collected: 10/23/24 13:05
Matrix: Air
Date Received: 10/24/24 10:40
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**18**		0.50	0.49	ppb v/v			10/25/24 16:41	1
cis-1,2-Dichloroethene	**0.18**		0.050	0.021	ppb v/v			10/25/24 16:41	1
Chloroform	**0.52**		0.20	0.041	ppb v/v			10/25/24 16:41	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			10/25/24 16:41	1
1,1,1-Trichloroethane	**0.090**	**J**	0.20	0.044	ppb v/v			10/25/24 16:41	1
Cyclohexane	**1.2**		0.20	0.058	ppb v/v			10/25/24 16:41	1
Carbon tetrachloride	**0.028**	**J**	0.035	0.022	ppb v/v			10/25/24 16:41	1
2,2,4-Trimethylpentane	**7.7**		0.20	0.038	ppb v/v			10/25/24 16:41	1
Benzene	**1.2**		0.20	0.044	ppb v/v			10/25/24 16:41	1
1,2-Dichloroethane	**0.18**	**J**	0.20	0.093	ppb v/v			10/25/24 16:41	1
n-Heptane	**3.5**		0.20	0.055	ppb v/v			10/25/24 16:41	1
Trichloroethene	**0.065**		0.037	0.025	ppb v/v			10/25/24 16:41	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			10/25/24 16:41	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			10/25/24 16:41	1
1,4-Dioxane	**1.4**	**J**	5.0	0.082	ppb v/v			10/25/24 16:41	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			10/25/24 16:41	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			10/25/24 16:41	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**1.7**		0.50	0.13	ppb v/v			10/25/24 16:41	1
Toluene	**6.3**		0.20	0.062	ppb v/v			10/25/24 16:41	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			10/25/24 16:41	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			10/25/24 16:41	1
Tetrachloroethene	**0.44**		0.20	0.021	ppb v/v			10/25/24 16:41	1
Methyl Butyl Ketone (2-Hexanone)	**0.28**	**J**	0.50	0.15	ppb v/v			10/25/24 16:41	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			10/25/24 16:41	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			10/25/24 16:41	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			10/25/24 16:41	1
Ethylbenzene	**0.62**		0.20	0.069	ppb v/v			10/25/24 16:41	1
m,p-Xylene	**1.8**		0.50	0.095	ppb v/v			10/25/24 16:41	1
o-Xylene	**0.79**		0.20	0.063	ppb v/v			10/25/24 16:41	1
Styrene	**0.25**		0.20	0.059	ppb v/v			10/25/24 16:41	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			10/25/24 16:41	1
Cumene	**0.10**	**J**	0.20	0.041	ppb v/v			10/25/24 16:41	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			10/25/24 16:41	1
n-Propylbenzene	**0.12**	**J**	0.20	0.047	ppb v/v			10/25/24 16:41	1
4-Ethyltoluene	**0.15**	**J**	0.20	0.049	ppb v/v			10/25/24 16:41	1
1,3,5-Trimethylbenzene	**0.20**		0.20	0.047	ppb v/v			10/25/24 16:41	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			10/25/24 16:41	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			10/25/24 16:41	1
1,2,4-Trimethylbenzene	**0.72**		0.20	0.080	ppb v/v			10/25/24 16:41	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			10/25/24 16:41	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			10/25/24 16:41	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			10/25/24 16:41	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			10/25/24 16:41	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			10/25/24 16:41	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			10/25/24 16:41	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			10/25/24 16:41	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			10/25/24 16:41	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			10/25/24 16:41	1

Client Sample ID: SV-1_10232024
Lab Sample ID: 200-75561-1

Date Collected: 10/23/24 13:05
Matrix: Air
Date Received: 10/24/24 10:40
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.46**		0.38	0.30	ppb v/v			10/25/24 16:41	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**410**	**D**	59	19	ug/m3			10/27/24 18:06	5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**170**	**D**	25	8.0	ppb v/v			10/27/24 18:06	5

Client Sample ID: SV-2_10232024
Lab Sample ID: 200-75561-2

Date Collected: 10/23/24 12:10
Matrix: Air
Date Received: 10/24/24 10:40
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.0**		2.5	0.54	ug/m3			10/25/24 21:49	1
Chlorodifluoromethane	**1.2**	**J**	1.8	0.42	ug/m3			10/25/24 21:49	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			10/25/24 21:49	1
Chloromethane	**0.75**	**J**	1.0	0.31	ug/m3			10/25/24 21:49	1
n-Butane	**36**		1.2	0.48	ug/m3			10/25/24 21:49	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			10/25/24 21:49	1
1,3-Butadiene	**1.2**		0.44	0.086	ug/m3			10/25/24 21:49	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			10/25/24 21:49	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			10/25/24 21:49	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			10/25/24 21:49	1
Trichlorofluoromethane	**1.1**		1.1	0.28	ug/m3			10/25/24 21:49	1
1,1,2-Trichlorotrifluoroethane	**0.46**	**J**	1.5	0.41	ug/m3			10/25/24 21:49	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			10/25/24 21:49	1
Acetone	**120**	**E**	12	3.8	ug/m3			10/25/24 21:49	1
Isopropyl alcohol	**140**	**E**	12	3.9	ug/m3			10/25/24 21:49	1
Carbon disulfide	**7.4**		1.6	0.40	ug/m3			10/25/24 21:49	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			10/25/24 21:49	1
Methylene Chloride	**1.3**	**J**	1.7	0.63	ug/m3			10/25/24 21:49	1
tert-Butyl alcohol	**4.5**	**J**	15	3.6	ug/m3			10/25/24 21:49	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			10/25/24 21:49	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			10/25/24 21:49	1
n-Hexane	**3.1**		1.8	0.39	ug/m3			10/25/24 21:49	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			10/25/24 21:49	1
Methyl Ethyl Ketone (2-Butanone)	**4.4**		1.5	1.4	ug/m3			10/25/24 21:49	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			10/25/24 21:49	1
Chloroform	**2.0**		0.98	0.20	ug/m3			10/25/24 21:49	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			10/25/24 21:49	1
1,1,1-Trichloroethane	**0.89**	**J**	1.1	0.24	ug/m3			10/25/24 21:49	1
Cyclohexane	**43**		0.69	0.20	ug/m3			10/25/24 21:49	1
Carbon tetrachloride	**0.27**		0.22	0.14	ug/m3			10/25/24 21:49	1
2,2,4-Trimethylpentane	**56**		0.93	0.18	ug/m3			10/25/24 21:49	1
Benzene	**2.8**		0.64	0.14	ug/m3			10/25/24 21:49	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			10/25/24 21:49	1
n-Heptane	**6.7**		0.82	0.23	ug/m3			10/25/24 21:49	1

Client Sample ID: SV-2_10232024
Lab Sample ID: 200-75561-2

Date Collected: 10/23/24 12:10
Matrix: Air
Date Received: 10/24/24 10:40
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.13	ug/m3			10/25/24 21:49	1
Methyl methacrylate	**0.73**	**J**	2.0	0.57	ug/m3			10/25/24 21:49	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			10/25/24 21:49	1
1,4-Dioxane	18	U	18	0.30	ug/m3			10/25/24 21:49	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			10/25/24 21:49	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			10/25/24 21:49	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			10/25/24 21:49	1
Toluene	**18**		0.75	0.23	ug/m3			10/25/24 21:49	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			10/25/24 21:49	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			10/25/24 21:49	1
Tetrachloroethene	**1.4**		1.4	0.14	ug/m3			10/25/24 21:49	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			10/25/24 21:49	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			10/25/24 21:49	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			10/25/24 21:49	1
Chlorobenzene	**0.33**	**J**	0.92	0.20	ug/m3			10/25/24 21:49	1
Ethylbenzene	**1.8**		0.87	0.30	ug/m3			10/25/24 21:49	1
m,p-Xylene	**5.5**		2.2	0.41	ug/m3			10/25/24 21:49	1
o-Xylene	**2.5**		0.87	0.27	ug/m3			10/25/24 21:49	1
Styrene	**0.97**		0.85	0.25	ug/m3			10/25/24 21:49	1
Bromoform	2.1	U	2.1	1.2	ug/m3			10/25/24 21:49	1
Cumene	**0.49**	**J**	0.98	0.20	ug/m3			10/25/24 21:49	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			10/25/24 21:49	1
n-Propylbenzene	**0.82**	**J**	0.98	0.23	ug/m3			10/25/24 21:49	1
4-Ethyltoluene	**1.1**		0.98	0.24	ug/m3			10/25/24 21:49	1
1,3,5-Trimethylbenzene	**1.3**		0.98	0.23	ug/m3			10/25/24 21:49	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			10/25/24 21:49	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			10/25/24 21:49	1
1,2,4-Trimethylbenzene	**3.8**		0.98	0.39	ug/m3			10/25/24 21:49	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			10/25/24 21:49	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			10/25/24 21:49	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			10/25/24 21:49	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			10/25/24 21:49	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			10/25/24 21:49	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			10/25/24 21:49	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			10/25/24 21:49	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			10/25/24 21:49	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			10/25/24 21:49	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			10/25/24 21:49	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.61**		0.50	0.11	ppb v/v			10/25/24 21:49	1
Chlorodifluoromethane	**0.34**	**J**	0.50	0.12	ppb v/v			10/25/24 21:49	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			10/25/24 21:49	1
Chloromethane	**0.36**	**J**	0.50	0.15	ppb v/v			10/25/24 21:49	1
n-Butane	**15**		0.50	0.20	ppb v/v			10/25/24 21:49	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			10/25/24 21:49	1
1,3-Butadiene	**0.55**		0.20	0.039	ppb v/v			10/25/24 21:49	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			10/25/24 21:49	1

Client Sample ID: SV-2_10232024
Lab Sample ID: 200-75561-2

Date Collected: 10/23/24 12:10
Matrix: Air
Date Received: 10/24/24 10:40
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.50	U	0.50	0.18	ppb v/v			10/25/24 21:49	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			10/25/24 21:49	1
Trichlorofluoromethane	**0.20**		0.20	0.050	ppb v/v			10/25/24 21:49	1
1,1,2-Trichlorotrifluoroethane	**0.060**	**J**	0.20	0.053	ppb v/v			10/25/24 21:49	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			10/25/24 21:49	1
Acetone	**51**	**E**	5.0	1.6	ppb v/v			10/25/24 21:49	1
Isopropyl alcohol	**55**	**E**	5.0	1.6	ppb v/v			10/25/24 21:49	1
Carbon disulfide	**2.4**		0.50	0.13	ppb v/v			10/25/24 21:49	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			10/25/24 21:49	1
Methylene Chloride	**0.37**	**J**	0.50	0.18	ppb v/v			10/25/24 21:49	1
tert-Butyl alcohol	**1.5**	**J**	5.0	1.2	ppb v/v			10/25/24 21:49	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			10/25/24 21:49	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			10/25/24 21:49	1
n-Hexane	**0.88**		0.50	0.11	ppb v/v			10/25/24 21:49	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			10/25/24 21:49	1
Methyl Ethyl Ketone (2-Butanone)	**1.5**		0.50	0.49	ppb v/v			10/25/24 21:49	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			10/25/24 21:49	1
Chloroform	**0.42**		0.20	0.041	ppb v/v			10/25/24 21:49	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			10/25/24 21:49	1
1,1,1-Trichloroethane	**0.16**	**J**	0.20	0.044	ppb v/v			10/25/24 21:49	1
Cyclohexane	**12**		0.20	0.058	ppb v/v			10/25/24 21:49	1
Carbon tetrachloride	**0.043**		0.035	0.022	ppb v/v			10/25/24 21:49	1
2,2,4-Trimethylpentane	**12**		0.20	0.038	ppb v/v			10/25/24 21:49	1
Benzene	**0.89**		0.20	0.044	ppb v/v			10/25/24 21:49	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			10/25/24 21:49	1
n-Heptane	**1.6**		0.20	0.055	ppb v/v			10/25/24 21:49	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			10/25/24 21:49	1
Methyl methacrylate	**0.18**	**J**	0.50	0.14	ppb v/v			10/25/24 21:49	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			10/25/24 21:49	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			10/25/24 21:49	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			10/25/24 21:49	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			10/25/24 21:49	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			10/25/24 21:49	1
Toluene	**4.8**		0.20	0.062	ppb v/v			10/25/24 21:49	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			10/25/24 21:49	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			10/25/24 21:49	1
Tetrachloroethene	**0.20**		0.20	0.021	ppb v/v			10/25/24 21:49	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			10/25/24 21:49	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			10/25/24 21:49	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			10/25/24 21:49	1
Chlorobenzene	**0.072**	**J**	0.20	0.044	ppb v/v			10/25/24 21:49	1
Ethylbenzene	**0.42**		0.20	0.069	ppb v/v			10/25/24 21:49	1
m,p-Xylene	**1.3**		0.50	0.095	ppb v/v			10/25/24 21:49	1
o-Xylene	**0.57**		0.20	0.063	ppb v/v			10/25/24 21:49	1
Styrene	**0.23**		0.20	0.059	ppb v/v			10/25/24 21:49	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			10/25/24 21:49	1
Cumene	**0.10**	**J**	0.20	0.041	ppb v/v			10/25/24 21:49	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			10/25/24 21:49	1

Client Sample ID: SV-2_10232024
Lab Sample ID: 200-75561-2

Date Collected: 10/23/24 12:10
Matrix: Air
Date Received: 10/24/24 10:40
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	**0.17**	**J**	0.20	0.047	ppb v/v			10/25/24 21:49	1
4-Ethyltoluene	**0.22**		0.20	0.049	ppb v/v			10/25/24 21:49	1
1,3,5-Trimethylbenzene	**0.27**		0.20	0.047	ppb v/v			10/25/24 21:49	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			10/25/24 21:49	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			10/25/24 21:49	1
1,2,4-Trimethylbenzene	**0.78**		0.20	0.080	ppb v/v			10/25/24 21:49	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			10/25/24 21:49	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			10/25/24 21:49	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			10/25/24 21:49	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			10/25/24 21:49	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			10/25/24 21:49	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			10/25/24 21:49	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			10/25/24 21:49	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			10/25/24 21:49	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			10/25/24 21:49	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			10/25/24 21:49	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**130**	**D**	24	7.6	ug/m3			10/27/24 18:57	2
Isopropyl alcohol	**150**	**D**	25	7.9	ug/m3			10/27/24 18:57	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**56**	**D**	10	3.2	ppb v/v			10/27/24 18:57	2
Isopropyl alcohol	**60**	**D**	10	3.2	ppb v/v			10/27/24 18:57	2

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	1.1	0.24	ug/m3
1,1,1-Trichloroethane	0.20	0.044	ppb v/v
1,1,2,2-Tetrachloroethane	1.4	0.30	ug/m3
1,1,2,2-Tetrachloroethane	0.20	0.043	ppb v/v
1,1,2-Trichloroethane	1.1	0.40	ug/m3
1,1,2-Trichloroethane	0.20	0.074	ppb v/v
1,1,2-Trichlorotrifluoroethane	1.5	0.41	ug/m3
1,1,2-Trichlorotrifluoroethane	0.20	0.053	ppb v/v
1,1-Dichloroethane	0.81	0.10	ug/m3
1,1-Dichloroethane	0.20	0.025	ppb v/v
1,1-Dichloroethene	0.20	0.10	ug/m3
1,1-Dichloroethene	0.050	0.026	ppb v/v
1,2,4-Trichlorobenzene	3.7	2.4	ug/m3
1,2,4-Trichlorobenzene	0.50	0.33	ppb v/v
1,2,4-Trimethylbenzene	0.98	0.39	ug/m3
1,2,4-Trimethylbenzene	0.20	0.080	ppb v/v
1,2-Dibromoethane	1.5	0.32	ug/m3
1,2-Dibromoethane	0.20	0.042	ppb v/v
1,2-Dichlorobenzene	1.2	0.40	ug/m3
1,2-Dichlorobenzene	0.20	0.066	ppb v/v
1,2-Dichloroethane	0.81	0.38	ug/m3
1,2-Dichloroethane	0.20	0.093	ppb v/v
1,2-Dichloropropane	0.92	0.43	ug/m3
1,2-Dichloropropane	0.20	0.094	ppb v/v
1,2-Dichlorotetrafluoroethane	1.4	0.34	ug/m3
1,2-Dichlorotetrafluoroethane	0.20	0.048	ppb v/v
1,3,5-Trimethylbenzene	0.98	0.23	ug/m3
1,3,5-Trimethylbenzene	0.20	0.047	ppb v/v
1,3-Butadiene	0.44	0.086	ug/m3
1,3-Butadiene	0.20	0.039	ppb v/v
1,3-Dichlorobenzene	1.2	0.44	ug/m3
1,3-Dichlorobenzene	0.20	0.074	ppb v/v
1,4-Dichlorobenzene	1.2	0.54	ug/m3
1,4-Dichlorobenzene	0.20	0.089	ppb v/v
1,4-Dioxane	18	0.30	ug/m3
1,4-Dioxane	5.0	0.082	ppb v/v
2,2,4-Trimethylpentane	0.93	0.18	ug/m3
2,2,4-Trimethylpentane	0.20	0.038	ppb v/v
2-Chlorotoluene	1.0	0.24	ug/m3
2-Chlorotoluene	0.20	0.046	ppb v/v
3-Chloropropene	1.6	0.38	ug/m3
3-Chloropropene	0.50	0.12	ppb v/v
4-Ethyltoluene	0.98	0.24	ug/m3
4-Ethyltoluene	0.20	0.049	ppb v/v
4-Isopropyltoluene	1.1	0.33	ug/m3
4-Isopropyltoluene	0.20	0.061	ppb v/v
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	0.53	ug/m3
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	0.13	ppb v/v
Acetone	12	3.8	ug/m3
Acetone	5.0	1.6	ppb v/v
Benzene	0.64	0.14	ug/m3
Benzene	0.20	0.044	ppb v/v
Benzyl chloride	1.0	0.46	ug/m3

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	RL	MDL	Units
Benzyl chloride	0.20	0.088	ppb v/v
Bromodichloromethane	1.3	0.34	ug/m3
Bromodichloromethane	0.20	0.050	ppb v/v
Bromoethene(Vinyl Bromide)	0.87	0.22	ug/m3
Bromoethene(Vinyl Bromide)	0.20	0.050	ppb v/v
Bromoform	2.1	1.2	ug/m3
Bromoform	0.20	0.12	ppb v/v
Bromomethane	0.78	0.28	ug/m3
Bromomethane	0.20	0.071	ppb v/v
Carbon disulfide	1.6	0.40	ug/m3
Carbon disulfide	0.50	0.13	ppb v/v
Carbon tetrachloride	0.22	0.14	ug/m3
Carbon tetrachloride	0.035	0.022	ppb v/v
Chlorobenzene	0.92	0.20	ug/m3
Chlorobenzene	0.20	0.044	ppb v/v
Chlorodifluoromethane	1.8	0.42	ug/m3
Chlorodifluoromethane	0.50	0.12	ppb v/v
Chloroethane	1.3	0.47	ug/m3
Chloroethane	0.50	0.18	ppb v/v
Chloroform	0.98	0.20	ug/m3
Chloroform	0.20	0.041	ppb v/v
Chloromethane	1.0	0.31	ug/m3
Chloromethane	0.50	0.15	ppb v/v
cis-1,2-Dichloroethene	0.20	0.083	ug/m3
cis-1,2-Dichloroethene	0.050	0.021	ppb v/v
cis-1,3-Dichloropropene	0.91	0.20	ug/m3
cis-1,3-Dichloropropene	0.20	0.045	ppb v/v
Cumene	0.98	0.20	ug/m3
Cumene	0.20	0.041	ppb v/v
Cyclohexane	0.69	0.20	ug/m3
Cyclohexane	0.20	0.058	ppb v/v
Dibromochloromethane	1.7	0.54	ug/m3
Dibromochloromethane	0.20	0.063	ppb v/v
Dichlorodifluoromethane	2.5	0.54	ug/m3
Dichlorodifluoromethane	0.50	0.11	ppb v/v
Ethylbenzene	0.87	0.30	ug/m3
Ethylbenzene	0.20	0.069	ppb v/v
Hexachlorobutadiene	2.1	1.2	ug/m3
Hexachlorobutadiene	0.20	0.11	ppb v/v
Isopropyl alcohol	12	3.9	ug/m3
Isopropyl alcohol	5.0	1.6	ppb v/v
m,p-Xylene	2.2	0.41	ug/m3
m,p-Xylene	0.50	0.095	ppb v/v
Methyl Butyl Ketone (2-Hexanone)	2.0	0.61	ug/m3
Methyl Butyl Ketone (2-Hexanone)	0.50	0.15	ppb v/v
Methyl Ethyl Ketone (2-Butanone)	1.5	1.4	ug/m3
Methyl Ethyl Ketone (2-Butanone)	0.50	0.49	ppb v/v
Methyl methacrylate	2.0	0.57	ug/m3
Methyl methacrylate	0.50	0.14	ppb v/v
Methyl tert-butyl ether	0.72	0.13	ug/m3
Methyl tert-butyl ether	0.20	0.036	ppb v/v
Methylene Chloride	1.7	0.63	ug/m3
Methylene Chloride	0.50	0.18	ppb v/v

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	RL	MDL	Units
Naphthalene	2.0	1.6	ug/m3
Naphthalene	0.38	0.30	ppb v/v
n-Butane	1.2	0.48	ug/m3
n-Butane	0.50	0.20	ppb v/v
n-Butylbenzene	1.1	0.60	ug/m3
n-Butylbenzene	0.20	0.11	ppb v/v
n-Heptane	0.82	0.23	ug/m3
n-Heptane	0.20	0.055	ppb v/v
n-Hexane	1.8	0.39	ug/m3
n-Hexane	0.50	0.11	ppb v/v
n-Propylbenzene	0.98	0.23	ug/m3
n-Propylbenzene	0.20	0.047	ppb v/v
o-Xylene	0.87	0.27	ug/m3
o-Xylene	0.20	0.063	ppb v/v
sec-Butylbenzene	1.1	0.25	ug/m3
sec-Butylbenzene	0.20	0.045	ppb v/v
Styrene	0.85	0.25	ug/m3
Styrene	0.20	0.059	ppb v/v
tert-Butyl alcohol	15	3.6	ug/m3
tert-Butyl alcohol	5.0	1.2	ppb v/v
tert-Butylbenzene	1.1	0.26	ug/m3
tert-Butylbenzene	0.20	0.047	ppb v/v
Tetrachloroethene	1.4	0.14	ug/m3
Tetrachloroethene	0.20	0.021	ppb v/v
Tetrahydrofuran	15	3.8	ug/m3
Tetrahydrofuran	5.0	1.3	ppb v/v
Toluene	0.75	0.23	ug/m3
Toluene	0.20	0.062	ppb v/v
trans-1,2-Dichloroethene	0.79	0.091	ug/m3
trans-1,2-Dichloroethene	0.20	0.023	ppb v/v
trans-1,3-Dichloropropene	0.91	0.25	ug/m3
trans-1,3-Dichloropropene	0.20	0.054	ppb v/v
Trichloroethene	0.20	0.13	ug/m3
Trichloroethene	0.037	0.025	ppb v/v
Trichlorofluoromethane	1.1	0.28	ug/m3
Trichlorofluoromethane	0.20	0.050	ppb v/v
Vinyl chloride	0.20	0.054	ug/m3
Vinyl chloride	0.078	0.021	ppb v/v

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-210137/4
Matrix: Air
Analysis Batch: 210137

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			10/25/24 09:41	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			10/25/24 09:41	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			10/25/24 09:41	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			10/25/24 09:41	1
n-Butane	1.2	U	1.2	0.48	ug/m3			10/25/24 09:41	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			10/25/24 09:41	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			10/25/24 09:41	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			10/25/24 09:41	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			10/25/24 09:41	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			10/25/24 09:41	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			10/25/24 09:41	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			10/25/24 09:41	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			10/25/24 09:41	1
Acetone	12	U	12	3.8	ug/m3			10/25/24 09:41	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			10/25/24 09:41	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			10/25/24 09:41	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			10/25/24 09:41	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			10/25/24 09:41	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			10/25/24 09:41	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			10/25/24 09:41	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			10/25/24 09:41	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			10/25/24 09:41	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			10/25/24 09:41	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			10/25/24 09:41	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			10/25/24 09:41	1
Chloroform	0.98	U	0.98	0.20	ug/m3			10/25/24 09:41	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			10/25/24 09:41	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			10/25/24 09:41	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			10/25/24 09:41	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			10/25/24 09:41	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			10/25/24 09:41	1
Benzene	0.64	U	0.64	0.14	ug/m3			10/25/24 09:41	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			10/25/24 09:41	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			10/25/24 09:41	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			10/25/24 09:41	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			10/25/24 09:41	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			10/25/24 09:41	1
1,4-Dioxane	18	U	18	0.30	ug/m3			10/25/24 09:41	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			10/25/24 09:41	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			10/25/24 09:41	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			10/25/24 09:41	1
Toluene	0.75	U	0.75	0.23	ug/m3			10/25/24 09:41	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			10/25/24 09:41	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			10/25/24 09:41	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			10/25/24 09:41	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			10/25/24 09:41	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			10/25/24 09:41	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			10/25/24 09:41	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-210137/4
Matrix: Air
Analysis Batch: 210137

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			10/25/24 09:41	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			10/25/24 09:41	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			10/25/24 09:41	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			10/25/24 09:41	1
Styrene	0.85	U	0.85	0.25	ug/m3			10/25/24 09:41	1
Bromoform	2.1	U	2.1	1.2	ug/m3			10/25/24 09:41	1
Cumene	0.98	U	0.98	0.20	ug/m3			10/25/24 09:41	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			10/25/24 09:41	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			10/25/24 09:41	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			10/25/24 09:41	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			10/25/24 09:41	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			10/25/24 09:41	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			10/25/24 09:41	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			10/25/24 09:41	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			10/25/24 09:41	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			10/25/24 09:41	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			10/25/24 09:41	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			10/25/24 09:41	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			10/25/24 09:41	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			10/25/24 09:41	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			10/25/24 09:41	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			10/25/24 09:41	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			10/25/24 09:41	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			10/25/24 09:41	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			10/25/24 09:41	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			10/25/24 09:41	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			10/25/24 09:41	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			10/25/24 09:41	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			10/25/24 09:41	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			10/25/24 09:41	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			10/25/24 09:41	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			10/25/24 09:41	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			10/25/24 09:41	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			10/25/24 09:41	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			10/25/24 09:41	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			10/25/24 09:41	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			10/25/24 09:41	1
Acetone	5.0	U	5.0	1.6	ppb v/v			10/25/24 09:41	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			10/25/24 09:41	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			10/25/24 09:41	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			10/25/24 09:41	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			10/25/24 09:41	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			10/25/24 09:41	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			10/25/24 09:41	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			10/25/24 09:41	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			10/25/24 09:41	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			10/25/24 09:41	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-210137/4
Matrix: Air
Analysis Batch: 210137

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			10/25/24 09:41	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			10/25/24 09:41	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			10/25/24 09:41	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			10/25/24 09:41	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			10/25/24 09:41	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			10/25/24 09:41	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			10/25/24 09:41	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			10/25/24 09:41	1
Benzene	0.20	U	0.20	0.044	ppb v/v			10/25/24 09:41	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			10/25/24 09:41	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			10/25/24 09:41	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			10/25/24 09:41	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			10/25/24 09:41	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			10/25/24 09:41	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			10/25/24 09:41	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			10/25/24 09:41	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			10/25/24 09:41	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			10/25/24 09:41	1
Toluene	0.20	U	0.20	0.062	ppb v/v			10/25/24 09:41	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			10/25/24 09:41	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			10/25/24 09:41	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			10/25/24 09:41	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			10/25/24 09:41	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			10/25/24 09:41	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			10/25/24 09:41	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			10/25/24 09:41	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			10/25/24 09:41	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			10/25/24 09:41	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			10/25/24 09:41	1
Styrene	0.20	U	0.20	0.059	ppb v/v			10/25/24 09:41	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			10/25/24 09:41	1
Cumene	0.20	U	0.20	0.041	ppb v/v			10/25/24 09:41	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			10/25/24 09:41	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			10/25/24 09:41	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			10/25/24 09:41	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			10/25/24 09:41	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			10/25/24 09:41	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			10/25/24 09:41	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			10/25/24 09:41	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			10/25/24 09:41	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			10/25/24 09:41	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			10/25/24 09:41	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			10/25/24 09:41	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			10/25/24 09:41	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			10/25/24 09:41	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			10/25/24 09:41	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			10/25/24 09:41	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			10/25/24 09:41	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-210137/4
Matrix: Air
Analysis Batch: 210137

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.38	U	0.38	0.30	ppb v/v			10/25/24 09:41	1

Lab Sample ID: LCS 200-210137/3
Matrix: Air
Analysis Batch: 210137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	41.7		ug/m3		84	61 - 142
Chlorodifluoromethane	35.4	32.5		ug/m3		92	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	60.5		ug/m3		87	71 - 141
Chloromethane	20.6	19.3		ug/m3		94	56 - 141
n-Butane	23.8	24.4		ug/m3		103	53 - 151
Vinyl chloride	25.6	24.8		ug/m3		97	61 - 135
1,3-Butadiene	22.1	20.7		ug/m3		93	58 - 139
Bromomethane	38.8	33.8		ug/m3		87	72 - 124
Chloroethane	26.4	23.6		ug/m3		89	68 - 130
Bromoethene(Vinyl Bromide)	43.7	38.4		ug/m3		88	75 - 125
Trichlorofluoromethane	56.2	47.6		ug/m3		85	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	64.2		ug/m3		84	70 - 121
1,1-Dichloroethene	39.6	32.8		ug/m3		83	68 - 120
Acetone	23.7	22.5		ug/m3		95	54 - 154
Isopropyl alcohol	24.6	23.7		ug/m3		96	53 - 142
Carbon disulfide	31.1	27.7		ug/m3		89	71 - 138
3-Chloropropene	31.3	25.6		ug/m3		82	50 - 150
Methylene Chloride	34.7	32.5		ug/m3		94	59 - 137
tert-Butyl alcohol	30.3	25.9		ug/m3		85	66 - 132
Methyl tert-butyl ether	36.0	32.0		ug/m3		89	70 - 127
trans-1,2-Dichloroethene	39.6	36.2		ug/m3		91	69 - 137
n-Hexane	35.2	31.5		ug/m3		89	63 - 138
1,1-Dichloroethane	40.5	35.4		ug/m3		87	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	26.3		ug/m3		89	72 - 124
cis-1,2-Dichloroethene	39.6	32.1		ug/m3		81	72 - 121
Chloroform	48.8	42.4		ug/m3		87	73 - 124
Tetrahydrofuran	29.5	25.9		ug/m3		88	60 - 149
1,1,1-Trichloroethane	54.6	46.8		ug/m3		86	72 - 127
Cyclohexane	34.4	29.9		ug/m3		87	76 - 124
Carbon tetrachloride	62.9	54.4		ug/m3		87	71 - 133
2,2,4-Trimethylpentane	46.7	42.7		ug/m3		91	68 - 131
Benzene	31.9	28.2		ug/m3		88	73 - 119
1,2-Dichloroethane	40.5	36.4		ug/m3		90	68 - 135
n-Heptane	41.0	37.6		ug/m3		92	60 - 142
Trichloroethene	53.7	46.4		ug/m3		86	73 - 122
Methyl methacrylate	40.9	36.5		ug/m3		89	73 - 129
1,2-Dichloropropane	46.2	42.2		ug/m3		91	69 - 128
1,4-Dioxane	36.0	30.5		ug/m3		85	66 - 129
Bromodichloromethane	67.0	59.6		ug/m3		89	75 - 127
cis-1,3-Dichloropropene	45.4	40.0		ug/m3		88	74 - 125

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-210137/3
Matrix: Air
Analysis Batch: 210137

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 (Methyl isobutyl ketone)	41.0	39.6		ug/m3		97	58 - 144
Toluene	37.7	32.4		ug/m3		86	75 - 122
trans-1,3-Dichloropropene	45.4	43.5		ug/m3		96	74 - 128
1,1,2-Trichloroethane	54.6	48.5		ug/m3		89	75 - 126
Tetrachloroethene	67.8	54.4		ug/m3		80	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	39.3		ug/m3		96	57 - 143
Dibromochloromethane	85.2	70.5		ug/m3		83	73 - 125
1,2-Dibromoethane	76.8	65.4		ug/m3		85	78 - 122
Chlorobenzene	46.0	38.6		ug/m3		84	76 - 119
Ethylbenzene	43.4	38.0		ug/m3		87	74 - 122
m,p-Xylene	86.8	75.4		ug/m3		87	76 - 121
o-Xylene	43.4	37.5		ug/m3		86	73 - 123
Styrene	42.6	36.8		ug/m3		87	74 - 125
Bromoform	103	77.4		ug/m3		75	53 - 149
Cumene	49.1	43.3		ug/m3		88	73 - 123
1,1,2,2-Tetrachloroethane	68.6	60.5		ug/m3		88	74 - 126
n-Propylbenzene	49.1	43.7		ug/m3		89	73 - 127
4-Ethyltoluene	49.2	43.8		ug/m3		89	75 - 129
1,3,5-Trimethylbenzene	49.2	44.3		ug/m3		90	72 - 126
2-Chlorotoluene	51.8	44.8		ug/m3		87	74 - 126
tert-Butylbenzene	54.9	47.9		ug/m3		87	71 - 125
1,2,4-Trimethylbenzene	49.2	43.6		ug/m3		89	71 - 129
sec-Butylbenzene	54.9	50.3		ug/m3		92	70 - 128
4-Isopropyltoluene	54.9	48.7		ug/m3		89	68 - 130
1,3-Dichlorobenzene	60.1	48.7		ug/m3		81	69 - 131
1,4-Dichlorobenzene	60.1	48.2		ug/m3		80	67 - 132
Benzyl chloride	51.8	45.0		ug/m3		87	60 - 136
n-Butylbenzene	54.9	49.8		ug/m3		91	65 - 137
1,2-Dichlorobenzene	60.1	48.9		ug/m3		81	68 - 129
1,2,4-Trichlorobenzene	74.2	62.6		ug/m3		84	50 - 150
Hexachlorobutadiene	107	95.9		ug/m3		90	58 - 130
Naphthalene	52.4	44.2		ug/m3		84	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	8.44		ppb v/v		84	61 - 142
Chlorodifluoromethane	10	9.18		ppb v/v		92	60 - 147
1,2-Dichlorotetrafluoroethane	10	8.65		ppb v/v		87	71 - 141
Chloromethane	10	9.37		ppb v/v		94	56 - 141
n-Butane	10	10.3		ppb v/v		103	53 - 151
Vinyl chloride	10	9.71		ppb v/v		97	61 - 135
1,3-Butadiene	10	9.34		ppb v/v		93	58 - 139
Bromomethane	10	8.71		ppb v/v		87	72 - 124
Chloroethane	10	8.94		ppb v/v		89	68 - 130
Bromoethene(Vinyl Bromide)	10	8.78		ppb v/v		88	75 - 125
Trichlorofluoromethane	10	8.47		ppb v/v		85	70 - 129
1,1,2-Trichlorotrifluoroethane	10	8.37		ppb v/v		84	70 - 121
1,1-Dichloroethene	10	8.27		ppb v/v		83	68 - 120

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-210137/3
Matrix: Air
Analysis Batch: 210137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	10	9.48		ppb v/v		95	54 - 154
Isopropyl alcohol	10	9.63		ppb v/v		96	53 - 142
Carbon disulfide	10	8.91		ppb v/v		89	71 - 138
3-Chloropropene	10	8.17		ppb v/v		82	50 - 150
Methylene Chloride	10	9.36		ppb v/v		94	59 - 137
tert-Butyl alcohol	10	8.53		ppb v/v		85	66 - 132
Methyl tert-butyl ether	10	8.88		ppb v/v		89	70 - 127
trans-1,2-Dichloroethene	10	9.13		ppb v/v		91	69 - 137
n-Hexane	10	8.94		ppb v/v		89	63 - 138
1,1-Dichloroethane	10	8.74		ppb v/v		87	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	8.92		ppb v/v		89	72 - 124
cis-1,2-Dichloroethene	10	8.10		ppb v/v		81	72 - 121
Chloroform	10	8.69		ppb v/v		87	73 - 124
Tetrahydrofuran	10	8.77		ppb v/v		88	60 - 149
1,1,1-Trichloroethane	10	8.58		ppb v/v		86	72 - 127
Cyclohexane	10	8.67		ppb v/v		87	76 - 124
Carbon tetrachloride	10	8.65		ppb v/v		87	71 - 133
2,2,4-Trimethylpentane	10	9.13		ppb v/v		91	68 - 131
Benzene	10	8.82		ppb v/v		88	73 - 119
1,2-Dichloroethane	10	8.99		ppb v/v		90	68 - 135
n-Heptane	10	9.17		ppb v/v		92	60 - 142
Trichloroethene	10	8.63		ppb v/v		86	73 - 122
Methyl methacrylate	10	8.91		ppb v/v		89	73 - 129
1,2-Dichloropropane	10	9.12		ppb v/v		91	69 - 128
1,4-Dioxane	10	8.47		ppb v/v		85	66 - 129
Bromodichloromethane	10	8.89		ppb v/v		89	75 - 127
cis-1,3-Dichloropropene	10	8.81		ppb v/v		88	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	9.67		ppb v/v		97	58 - 144
Toluene	10	8.60		ppb v/v		86	75 - 122
trans-1,3-Dichloropropene	10	9.59		ppb v/v		96	74 - 128
1,1,2-Trichloroethane	10	8.90		ppb v/v		89	75 - 126
Tetrachloroethene	10	8.02		ppb v/v		80	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	9.59		ppb v/v		96	57 - 143
Dibromochloromethane	10	8.27		ppb v/v		83	73 - 125
1,2-Dibromoethane	10	8.51		ppb v/v		85	78 - 122
Chlorobenzene	10	8.38		ppb v/v		84	76 - 119
Ethylbenzene	10	8.74		ppb v/v		87	74 - 122
m,p-Xylene	20	17.4		ppb v/v		87	76 - 121
o-Xylene	10	8.63		ppb v/v		86	73 - 123
Styrene	10	8.65		ppb v/v		87	74 - 125
Bromoform	10	7.49		ppb v/v		75	53 - 149
Cumene	10	8.80		ppb v/v		88	73 - 123
1,1,2,2-Tetrachloroethane	10	8.81		ppb v/v		88	74 - 126
n-Propylbenzene	10	8.89		ppb v/v		89	73 - 127
4-Ethyltoluene	10	8.90		ppb v/v		89	75 - 129
1,3,5-Trimethylbenzene	10	9.01		ppb v/v		90	72 - 126

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-210137/3
Matrix: Air
Analysis Batch: 210137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorotoluene	10	8.65		ppb v/v		87	74 - 126
tert-Butylbenzene	10	8.73		ppb v/v		87	71 - 125
1,2,4-Trimethylbenzene	10	8.87		ppb v/v		89	71 - 129
sec-Butylbenzene	10	9.16		ppb v/v		92	70 - 128
4-Isopropyltoluene	10	8.87		ppb v/v		89	68 - 130
1,3-Dichlorobenzene	10	8.10		ppb v/v		81	69 - 131
1,4-Dichlorobenzene	10	8.02		ppb v/v		80	67 - 132
Benzyl chloride	10	8.69		ppb v/v		87	60 - 136
n-Butylbenzene	10	9.07		ppb v/v		91	65 - 137
1,2-Dichlorobenzene	10	8.14		ppb v/v		81	68 - 129
1,2,4-Trichlorobenzene	10	8.44		ppb v/v		84	50 - 150
Hexachlorobutadiene	10	8.99		ppb v/v		90	58 - 130
Naphthalene	10	8.43		ppb v/v		84	50 - 150

Lab Sample ID: MB 200-210195/4
Matrix: Air
Analysis Batch: 210195

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			10/27/24 13:48	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			10/27/24 13:48	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			10/27/24 13:48	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			10/27/24 13:48	1
n-Butane	1.2	U	1.2	0.48	ug/m3			10/27/24 13:48	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			10/27/24 13:48	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			10/27/24 13:48	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			10/27/24 13:48	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			10/27/24 13:48	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			10/27/24 13:48	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			10/27/24 13:48	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			10/27/24 13:48	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			10/27/24 13:48	1
Acetone	12	U	12	3.8	ug/m3			10/27/24 13:48	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			10/27/24 13:48	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			10/27/24 13:48	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			10/27/24 13:48	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			10/27/24 13:48	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			10/27/24 13:48	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			10/27/24 13:48	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			10/27/24 13:48	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			10/27/24 13:48	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			10/27/24 13:48	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			10/27/24 13:48	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			10/27/24 13:48	1
Chloroform	0.98	U	0.98	0.20	ug/m3			10/27/24 13:48	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			10/27/24 13:48	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			10/27/24 13:48	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			10/27/24 13:48	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			10/27/24 13:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-210195/4
Matrix: Air
Analysis Batch: 210195

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			10/27/24 13:48	1
Benzene	0.64	U	0.64	0.14	ug/m3			10/27/24 13:48	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			10/27/24 13:48	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			10/27/24 13:48	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			10/27/24 13:48	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			10/27/24 13:48	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			10/27/24 13:48	1
1,4-Dioxane	18	U	18	0.30	ug/m3			10/27/24 13:48	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			10/27/24 13:48	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			10/27/24 13:48	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			10/27/24 13:48	1
Toluene	0.75	U	0.75	0.23	ug/m3			10/27/24 13:48	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			10/27/24 13:48	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			10/27/24 13:48	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			10/27/24 13:48	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			10/27/24 13:48	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			10/27/24 13:48	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			10/27/24 13:48	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			10/27/24 13:48	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			10/27/24 13:48	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			10/27/24 13:48	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			10/27/24 13:48	1
Styrene	0.85	U	0.85	0.25	ug/m3			10/27/24 13:48	1
Bromoform	2.1	U	2.1	1.2	ug/m3			10/27/24 13:48	1
Cumene	0.98	U	0.98	0.20	ug/m3			10/27/24 13:48	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			10/27/24 13:48	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			10/27/24 13:48	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			10/27/24 13:48	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			10/27/24 13:48	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			10/27/24 13:48	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			10/27/24 13:48	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			10/27/24 13:48	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			10/27/24 13:48	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			10/27/24 13:48	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			10/27/24 13:48	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			10/27/24 13:48	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			10/27/24 13:48	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			10/27/24 13:48	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			10/27/24 13:48	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			10/27/24 13:48	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			10/27/24 13:48	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			10/27/24 13:48	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			10/27/24 13:48	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			10/27/24 13:48	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			10/27/24 13:48	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			10/27/24 13:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-210195/4
Matrix: Air
Analysis Batch: 210195

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	0.50	U	0.50	0.20	ppb v/v			10/27/24 13:48	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			10/27/24 13:48	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			10/27/24 13:48	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			10/27/24 13:48	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			10/27/24 13:48	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			10/27/24 13:48	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			10/27/24 13:48	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			10/27/24 13:48	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			10/27/24 13:48	1
Acetone	5.0	U	5.0	1.6	ppb v/v			10/27/24 13:48	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			10/27/24 13:48	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			10/27/24 13:48	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			10/27/24 13:48	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			10/27/24 13:48	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			10/27/24 13:48	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			10/27/24 13:48	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			10/27/24 13:48	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			10/27/24 13:48	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			10/27/24 13:48	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			10/27/24 13:48	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			10/27/24 13:48	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			10/27/24 13:48	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			10/27/24 13:48	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			10/27/24 13:48	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			10/27/24 13:48	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			10/27/24 13:48	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			10/27/24 13:48	1
Benzene	0.20	U	0.20	0.044	ppb v/v			10/27/24 13:48	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			10/27/24 13:48	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			10/27/24 13:48	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			10/27/24 13:48	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			10/27/24 13:48	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			10/27/24 13:48	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			10/27/24 13:48	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			10/27/24 13:48	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			10/27/24 13:48	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			10/27/24 13:48	1
Toluene	0.20	U	0.20	0.062	ppb v/v			10/27/24 13:48	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			10/27/24 13:48	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			10/27/24 13:48	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			10/27/24 13:48	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			10/27/24 13:48	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			10/27/24 13:48	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			10/27/24 13:48	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			10/27/24 13:48	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			10/27/24 13:48	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			10/27/24 13:48	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			10/27/24 13:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-210195/4
Matrix: Air
Analysis Batch: 210195

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.20	U	0.20	0.059	ppb v/v			10/27/24 13:48	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			10/27/24 13:48	1
Cumene	0.20	U	0.20	0.041	ppb v/v			10/27/24 13:48	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			10/27/24 13:48	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			10/27/24 13:48	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			10/27/24 13:48	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			10/27/24 13:48	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			10/27/24 13:48	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			10/27/24 13:48	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			10/27/24 13:48	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			10/27/24 13:48	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			10/27/24 13:48	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			10/27/24 13:48	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			10/27/24 13:48	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			10/27/24 13:48	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			10/27/24 13:48	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			10/27/24 13:48	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			10/27/24 13:48	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			10/27/24 13:48	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			10/27/24 13:48	1

Lab Sample ID: LCS 200-210195/3
Matrix: Air
Analysis Batch: 210195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	51.1		ug/m3		103	61 - 142
Chlorodifluoromethane	35.4	35.9		ug/m3		102	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	70.1		ug/m3		100	71 - 141
Chloromethane	20.6	20.9		ug/m3		101	56 - 141
n-Butane	23.8	24.1		ug/m3		101	53 - 151
Vinyl chloride	25.6	24.5		ug/m3		96	61 - 135
1,3-Butadiene	22.1	20.1		ug/m3		91	58 - 139
Bromomethane	38.8	39.5		ug/m3		102	72 - 124
Chloroethane	26.4	27.1		ug/m3		103	68 - 130
Bromoethene(Vinyl Bromide)	43.7	45.6		ug/m3		104	75 - 125
Trichlorofluoromethane	56.2	56.2		ug/m3		100	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	74.1		ug/m3		97	70 - 121
1,1-Dichloroethene	39.6	38.4		ug/m3		97	68 - 120
Acetone	23.7	24.6		ug/m3		103	54 - 154
Isopropyl alcohol	24.6	26.9		ug/m3		109	53 - 142
Carbon disulfide	31.1	31.1		ug/m3		100	71 - 138
3-Chloropropene	31.3	25.1		ug/m3		80	50 - 150
Methylene Chloride	34.7	33.7		ug/m3		97	59 - 137
tert-Butyl alcohol	30.3	30.3		ug/m3		100	66 - 132
Methyl tert-butyl ether	36.0	35.4		ug/m3		98	70 - 127
trans-1,2-Dichloroethene	39.6	38.7		ug/m3		98	69 - 137
n-Hexane	35.2	34.2		ug/m3		97	63 - 138
1,1-Dichloroethane	40.5	38.7		ug/m3		96	66 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-210195/3
Matrix: Air
Analysis Batch: 210195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Ethyl Ketone (2-Butanone)	29.5	29.8		ug/m3		101	72 - 124
cis-1,2-Dichloroethene	39.6	36.9		ug/m3		93	72 - 121
Chloroform	48.8	47.8		ug/m3		98	73 - 124
Tetrahydrofuran	29.5	30.2		ug/m3		102	60 - 149
1,1,1-Trichloroethane	54.6	54.4		ug/m3		100	72 - 127
Cyclohexane	34.4	34.4		ug/m3		100	76 - 124
Carbon tetrachloride	62.9	64.1		ug/m3		102	71 - 133
2,2,4-Trimethylpentane	46.7	47.0		ug/m3		101	68 - 131
Benzene	31.9	31.7		ug/m3		99	73 - 119
1,2-Dichloroethane	40.5	40.2		ug/m3		99	68 - 135
n-Heptane	41.0	40.8		ug/m3		100	60 - 142
Trichloroethene	53.7	55.8		ug/m3		104	73 - 122
Methyl methacrylate	40.9	42.5		ug/m3		104	73 - 129
1,2-Dichloropropane	46.2	46.3		ug/m3		100	69 - 128
1,4-Dioxane	36.0	32.4		ug/m3		90	66 - 129
Bromodichloromethane	67.0	67.2		ug/m3		100	75 - 127
cis-1,3-Dichloropropene	45.4	45.8		ug/m3		101	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	42.9		ug/m3		105	58 - 144
Toluene	37.7	37.8		ug/m3		100	75 - 122
trans-1,3-Dichloropropene	45.4	48.9		ug/m3		108	74 - 128
1,1,2-Trichloroethane	54.6	55.6		ug/m3		102	75 - 126
Tetrachloroethene	67.8	69.1		ug/m3		102	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	42.6		ug/m3		104	57 - 143
Dibromochloromethane	85.2	80.6		ug/m3		95	73 - 125
1,2-Dibromoethane	76.8	77.4		ug/m3		101	78 - 122
Chlorobenzene	46.0	46.4		ug/m3		101	76 - 119
Ethylbenzene	43.4	43.6		ug/m3		100	74 - 122
m,p-Xylene	86.8	87.0		ug/m3		100	76 - 121
o-Xylene	43.4	43.6		ug/m3		100	73 - 123
Styrene	42.6	42.8		ug/m3		101	74 - 125
Bromoform	103	81.2		ug/m3		79	53 - 149
Cumene	49.1	49.6		ug/m3		101	73 - 123
1,1,2,2-Tetrachloroethane	68.6	68.1		ug/m3		99	74 - 126
n-Propylbenzene	49.1	49.6		ug/m3		101	73 - 127
4-Ethyltoluene	49.2	49.8		ug/m3		101	75 - 129
1,3,5-Trimethylbenzene	49.2	49.4		ug/m3		100	72 - 126
2-Chlorotoluene	51.8	51.6		ug/m3		100	74 - 126
tert-Butylbenzene	54.9	55.0		ug/m3		100	71 - 125
1,2,4-Trimethylbenzene	49.2	48.6		ug/m3		99	71 - 129
sec-Butylbenzene	54.9	55.2		ug/m3		101	70 - 128
4-Isopropyltoluene	54.9	54.0		ug/m3		98	68 - 130
1,3-Dichlorobenzene	60.1	59.4		ug/m3		99	69 - 131
1,4-Dichlorobenzene	60.1	59.9		ug/m3		100	67 - 132
Benzyl chloride	51.8	47.1		ug/m3		91	60 - 136
n-Butylbenzene	54.9	53.8		ug/m3		98	65 - 137
1,2-Dichlorobenzene	60.1	58.6		ug/m3		97	68 - 129

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-210195/3
Matrix: Air
Analysis Batch: 210195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	74.2	86.2		ug/m3		116	50 - 150
Hexachlorobutadiene	107	116		ug/m3		109	58 - 130
Naphthalene	52.4	54.1		ug/m3		103	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	10.3		ppb v/v		103	61 - 142
Chlorodifluoromethane	10	10.2		ppb v/v		102	60 - 147
1,2-Dichlorotetrafluoroethane	10	10.0		ppb v/v		100	71 - 141
Chloromethane	10	10.1		ppb v/v		101	56 - 141
n-Butane	10	10.1		ppb v/v		101	53 - 151
Vinyl chloride	10	9.60		ppb v/v		96	61 - 135
1,3-Butadiene	10	9.07		ppb v/v		91	58 - 139
Bromomethane	10	10.2		ppb v/v		102	72 - 124
Chloroethane	10	10.3		ppb v/v		103	68 - 130
Bromoethene(Vinyl Bromide)	10	10.4		ppb v/v		104	75 - 125
Trichlorofluoromethane	10	10.0		ppb v/v		100	70 - 129
1,1,2-Trichlorotrifluoroethane	10	9.67		ppb v/v		97	70 - 121
1,1-Dichloroethene	10	9.69		ppb v/v		97	68 - 120
Acetone	10	10.3		ppb v/v		103	54 - 154
Isopropyl alcohol	10	10.9		ppb v/v		109	53 - 142
Carbon disulfide	10	9.97		ppb v/v		100	71 - 138
3-Chloropropene	10	8.01		ppb v/v		80	50 - 150
Methylene Chloride	10	9.71		ppb v/v		97	59 - 137
tert-Butyl alcohol	10	9.99		ppb v/v		100	66 - 132
Methyl tert-butyl ether	10	9.82		ppb v/v		98	70 - 127
trans-1,2-Dichloroethene	10	9.77		ppb v/v		98	69 - 137
n-Hexane	10	9.70		ppb v/v		97	63 - 138
1,1-Dichloroethane	10	9.55		ppb v/v		96	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	10.1		ppb v/v		101	72 - 124
cis-1,2-Dichloroethene	10	9.30		ppb v/v		93	72 - 121
Chloroform	10	9.79		ppb v/v		98	73 - 124
Tetrahydrofuran	10	10.2		ppb v/v		102	60 - 149
1,1,1-Trichloroethane	10	9.98		ppb v/v		100	72 - 127
Cyclohexane	10	9.98		ppb v/v		100	76 - 124
Carbon tetrachloride	10	10.2		ppb v/v		102	71 - 133
2,2,4-Trimethylpentane	10	10.1		ppb v/v		101	68 - 131
Benzene	10	9.92		ppb v/v		99	73 - 119
1,2-Dichloroethane	10	9.94		ppb v/v		99	68 - 135
n-Heptane	10	9.96		ppb v/v		100	60 - 142
Trichloroethene	10	10.4		ppb v/v		104	73 - 122
Methyl methacrylate	10	10.4		ppb v/v		104	73 - 129
1,2-Dichloropropane	10	10.0		ppb v/v		100	69 - 128
1,4-Dioxane	10	8.99		ppb v/v		90	66 - 129
Bromodichloromethane	10	10.0		ppb v/v		100	75 - 127
cis-1,3-Dichloropropene	10	10.1		ppb v/v		101	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	10.5		ppb v/v		105	58 - 144
Toluene	10	10.0		ppb v/v		100	75 - 122

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75561-1
Project/Site: 264 Butler Street

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-210195/3
Matrix: Air
Analysis Batch: 210195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	10	10.8		ppb v/v		108	74 - 128
1,1,2-Trichloroethane	10	10.2		ppb v/v		102	75 - 126
Tetrachloroethene	10	10.2		ppb v/v		102	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	10.4		ppb v/v		104	57 - 143
Dibromochloromethane	10	9.46		ppb v/v		95	73 - 125
1,2-Dibromoethane	10	10.1		ppb v/v		101	78 - 122
Chlorobenzene	10	10.1		ppb v/v		101	76 - 119
Ethylbenzene	10	10.0		ppb v/v		100	74 - 122
m,p-Xylene	20	20.0		ppb v/v		100	76 - 121
o-Xylene	10	10.0		ppb v/v		100	73 - 123
Styrene	10	10.1		ppb v/v		101	74 - 125
Bromoform	10	7.86		ppb v/v		79	53 - 149
Cumene	10	10.1		ppb v/v		101	73 - 123
1,1,2,2-Tetrachloroethane	10	9.92		ppb v/v		99	74 - 126
n-Propylbenzene	10	10.1		ppb v/v		101	73 - 127
4-Ethyltoluene	10	10.1		ppb v/v		101	75 - 129
1,3,5-Trimethylbenzene	10	10.0		ppb v/v		100	72 - 126
2-Chlorotoluene	10	9.96		ppb v/v		100	74 - 126
tert-Butylbenzene	10	10.0		ppb v/v		100	71 - 125
1,2,4-Trimethylbenzene	10	9.89		ppb v/v		99	71 - 129
sec-Butylbenzene	10	10.0		ppb v/v		101	70 - 128
4-Isopropyltoluene	10	9.84		ppb v/v		98	68 - 130
1,3-Dichlorobenzene	10	9.87		ppb v/v		99	69 - 131
1,4-Dichlorobenzene	10	9.96		ppb v/v		100	67 - 132
Benzyl chloride	10	9.10		ppb v/v		91	60 - 136
n-Butylbenzene	10	9.79		ppb v/v		98	65 - 137
1,2-Dichlorobenzene	10	9.74		ppb v/v		97	68 - 129
1,2,4-Trichlorobenzene	10	11.6		ppb v/v		116	50 - 150
Hexachlorobutadiene	10	10.9		ppb v/v		109	58 - 130
Naphthalene	10	10.3		ppb v/v		103	50 - 150

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75561-1
Project/Site: 264 Butler Street

Air - GC/MS VOA

Analysis Batch: 210137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-75561-1	SV-1_10232024	Total/NA	Air	TO-15	
200-75561-2	SV-2_10232024	Total/NA	Air	TO-15	
MB 200-210137/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-210137/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 210195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-75561-1 - DL	SV-1_10232024	Total/NA	Air	TO-15	
200-75561-2 - DL	SV-2_10232024	Total/NA	Air	TO-15	
MB 200-210195/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-210195/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler Street

Job ID: 200-75561-1

Client Sample ID: SV-1_10232024

Lab Sample ID: 200-75561-1

Date Collected: 10/23/24 13:05

Matrix: Air

Date Received: 10/24/24 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	210137	K1P	EET BUR	10/25/24 16:41
Total/NA	Analysis	TO-15	DL	5	210195	K1P	EET BUR	10/27/24 18:06

Client Sample ID: SV-2_10232024

Lab Sample ID: 200-75561-2

Date Collected: 10/23/24 12:10

Matrix: Air

Date Received: 10/24/24 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	210137	K1P	EET BUR	10/25/24 21:49
Total/NA	Analysis	TO-15	DL	2	210195	K1P	EET BUR	10/27/24 18:57

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75561-1
Project/Site: 264 Butler Street

Laboratory: Eurofins Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-25

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 10391. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75561-1
Project/Site: 264 Butler Street

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75561-1
Project/Site: 264 Butler Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-75561-1	SV-1_10232024	Air	10/23/24 13:05	10/24/24 10:40	Air Canister (6-Liter) #4834
200-75561-2	SV-2_10232024	Air	10/23/24 12:10	10/24/24 10:40	Air Canister (6-Liter) #4271

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 209766

Lab Sample ID: IC 200-209766/9 Client Sample ID:

Date Analyzed: 10/16/24 19:41 Lab File ID: 62526_009.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.40	Assign Peak	F7XK	10/17/24 10:42
2-Chlorotoluene	21.84	Assign Peak	F7XK	10/17/24 10:43

Lab Sample ID: ICIS 200-209766/10 Client Sample ID:

Date Analyzed: 10/16/24 20:32 Lab File ID: 62526_010.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	8.64	Assign Peak	F7XK	10/17/24 10:44
Acrylonitrile	9.40	Assign Peak	F7XK	10/17/24 10:45

Lab Sample ID: IC 200-209766/11 Client Sample ID:

Date Analyzed: 10/16/24 21:23 Lab File ID: 62526_011.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.40	Assign Peak	F7XK	10/17/24 10:46
2-Chlorotoluene	21.84	Assign Peak	F7XK	10/17/24 10:46

Lab Sample ID: IC 200-209766/14 Client Sample ID:

Date Analyzed: 10/16/24 23:57 Lab File ID: 62526_014.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.39	Assign Peak	F7XK	10/17/24 11:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 209766

Lab Sample ID: IC 200-209766/16 Client Sample ID:

Date Analyzed: 10/17/24 01:40 Lab File ID: 62526_016.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.39	Assign Peak	F7XK	10/17/24 13:45

Lab Sample ID: IC 200-209766/24 Client Sample ID:

Date Analyzed: 10/17/24 08:54 Lab File ID: 62526_024.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	26.58	Baseline	BKZ7	10/17/24 09:54

Lab Sample ID: IC 200-209766/26 Client Sample ID:

Date Analyzed: 10/17/24 10:36 Lab File ID: 62526_02e6.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	8.15	Baseline	BKZ7	10/17/24 11:56
n-Butanol	13.81	Baseline	BKZ7	10/17/24 11:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 210137

Lab Sample ID: 200-75561-1 Client Sample ID: SV-1_10232024

Date Analyzed: 10/25/24 16:41 Lab File ID: 62652_012.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorotetrafluoroethane	4.76	Assign Peak	YWL8	10/27/24 20:57
1,1,2,2-Tetrachloroethane		Invalid Compound ID	YWL8	10/27/24 20:59
1,1,2-Trichloroethane		Invalid Compound ID	BKZ7	10/28/24 07:38
1,1,2-Trichlorotrifluoroethane		Invalid Compound ID	YWL8	10/27/24 20:57
1,2-Dichloropropane		Invalid Compound ID	YWL8	10/27/24 20:58
2-Chlorotoluene		Invalid Compound ID	YWL8	10/27/24 20:59
3-Chloropropene		Invalid Compound ID	YWL8	10/27/24 20:57
Benzyl chloride		Invalid Compound ID	YWL8	10/27/24 21:00
Bromodichloromethane		Invalid Compound ID	YWL8	10/27/24 20:58
Chlorobenzene		Invalid Compound ID	YWL8	10/27/24 20:59
Chloroethane		Invalid Compound ID	YWL8	10/27/24 20:57
Methyl methacrylate		Invalid Compound ID	YWL8	10/27/24 20:58
n-Butylbenzene		Invalid Compound ID	BKZ7	10/28/24 07:38
sec-Butylbenzene		Assign Peak	YWL8	10/27/24 21:00
tert-Butylbenzene		Invalid Compound ID	YWL8	10/27/24 20:59
trans-1,3-Dichloropropene		Invalid Compound ID	YWL8	10/27/24 20:58
Methyl Butyl Ketone (2-Hexanone)	17.57	Assign Peak	YWL8	10/27/24 20:58

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 210137

Lab Sample ID: 200-75561-2 Client Sample ID: SV-2_10232024

Date Analyzed: 10/25/24 21:49 Lab File ID: 62652_018.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	YWL8	10/27/24 21:16
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	10/27/24 21:16
1,2-Dichloropropane		Invalid Compound ID	YWL8	10/27/24 21:15
2-Chlorotoluene		Invalid Compound ID	YWL8	10/27/24 21:16
3-Chloropropene		Invalid Compound ID	YWL8	10/27/24 21:15
Benzyl chloride		Invalid Compound ID	YWL8	10/27/24 21:16
Chloroethane		Invalid Compound ID	YWL8	10/27/24 21:14
Methyl tert-butyl ether		Invalid Compound ID	YWL8	10/27/24 21:15
sec-Butylbenzene		Assign Peak	YWL8	10/27/24 21:16
tert-Butylbenzene		Invalid Compound ID	YWL8	10/27/24 21:16
trans-1,3-Dichloropropene		Invalid Compound ID	YWL8	10/27/24 21:16
Methyl methacrylate	14.52	Invalid Compound ID	YWL8	10/27/24 21:15
4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.99	Assign Peak	YWL8	10/27/24 21:16
Methyl Butyl Ketone (2-Hexanone)	17.58	Assign Peak	YWL8	10/27/24 21:16

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAN.i Analysis Batch Number: 210070

Lab Sample ID: IC 200-210070/4 Client Sample ID:

Date Analyzed: 10/25/24 18:16 Lab File ID: 62629_004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	11.16	Baseline	BKZ7	10/26/24 10:40

Lab Sample ID: IC 200-210070/5 Client Sample ID:

Date Analyzed: 10/25/24 19:07 Lab File ID: 62629_005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	13.66	Baseline	BKZ7	10/26/24 10:42

Lab Sample ID: IC 200-210070/6 Client Sample ID:

Date Analyzed: 10/25/24 19:59 Lab File ID: 62629_006.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	13.65	Baseline	BKZ7	10/26/24 10:44

Lab Sample ID: ICIS 200-210070/8 Client Sample ID:

Date Analyzed: 10/25/24 21:44 Lab File ID: 62629_008.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	13.64	Peak assignment corrected	BKZ7	10/26/24 10:39

Lab Sample ID: IC 200-210070/9 Client Sample ID:

Date Analyzed: 10/25/24 22:36 Lab File ID: 62629_009.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Heptane	13.22	Baseline	BKZ7	10/26/24 11:01
n-Butanol	13.63	Baseline	BKZ7	10/26/24 11:01

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAN.i Analysis Batch Number: 210070

Lab Sample ID: IC 200-210070/12 Client Sample ID:

Date Analyzed: 10/26/24 01:11 Lab File ID: 62629_012.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	13.63	Baseline	BKZ7	10/26/24 11:02

Lab Sample ID: IC 200-210070/13 Client Sample ID:

Date Analyzed: 10/26/24 02:03 Lab File ID: 62629_013.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	13.63	Baseline	BKZ7	10/26/24 11:03

Lab Sample ID: IC 200-210070/20 Client Sample ID:

Date Analyzed: 10/26/24 09:20 Lab File ID: 62629_020a.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Heptane	13.22	Baseline	BKZ7	10/26/24 11:04
n-Butanol	13.64	Baseline	BKZ7	10/26/24 11:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAN.i Analysis Batch Number: 210195

Lab Sample ID: MB 200-210195/4 Client Sample ID:

Date Analyzed: 10/27/24 13:48 Lab File ID: 62676_004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride		Invalid Compound ID	YWL8	10/28/24 08:15
Trichloroethene		Assign Peak	YWL8	10/28/24 08:16
Chloroform	11.75	Assign Peak	YWL8	10/28/24 08:15
2,2,4-Trimethylpentane	12.90	Assign Peak	YWL8	10/28/24 08:16
Bromodichloromethane	14.76	Assign Peak	YWL8	10/28/24 08:16
Toluene	16.22	Assign Peak	YWL8	10/28/24 08:23
m,p-Xylene	19.41	Assign Peak	YWL8	10/28/24 08:24
Styrene	20.22	Assign Peak	YWL8	10/28/24 08:24

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15AMISs_00004							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Tentatively Identified Compound	
							Total Alkanes	
							Xylenes, Total	
ATTO15CAL1w_00272	12/18/24	09/20/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00238	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1,2-Trichlorotrifluoroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.233512 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.235116 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dibromoethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Butadiene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2,4-Trimethylpentane	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloropropene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Isopropyltoluene	0.20044 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.234715 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromodichloromethane	0.20044 ppb v/v
							Bromoethene(Vinyl Bromide)	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chlorodifluoromethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cumene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromochloromethane	0.20044 ppb v/v
							Dibromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Hexachlorobutadiene	0.225294 ppb v/v
							Isopropyl alcohol	0.23231 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.20044 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	0.20044 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butane	0.20044 ppb v/v
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Hexane	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							n-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.238323 ppb v/v
							o-Xylene	0.20044 ppb v/v
							Pentane	0.20044 ppb v/v
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.228301 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00238	12/18/24	09/20/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00188	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00174	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00188	12/18/24	09/18/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00174	12/19/24	09/19/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00352	12/18/24	09/20/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00238	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1,2-Trichlorotrifluoroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.583027 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.587031 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2,2,4-Trimethylpentane	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.58603 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodifluoromethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cumene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Hexachlorobutadiene	0.562509 ppb v/v
							Isopropyl alcohol	0.580025 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butane	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.595038 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.570015 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00174	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00238	12/18/24	09/20/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00188	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00174	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00188	12/18/24	09/18/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00174	12/19/24	09/19/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00174	12/19/24	09/19/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL3w_00282	12/18/24	09/20/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00188	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1,2-Trichlorotrifluoroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	5.81634 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	5.85628 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	4.99256 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	5.84629 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene(Vinyl Bromide)	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodifluoromethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Hexachlorobutadiene	5.61164 ppb v/v
							Isopropyl alcohol	5.78638 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	4.99256 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	5.93616 ppb v/v
							o-Xylene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	5.68653 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
					ATTO15EthCALw_00174	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00188	12/18/24	09/18/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00174	12/19/24	09/19/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00830	12/18/24	09/20/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00188	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	11.6477 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	11.7277 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	11.7077 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	11.2378 ppb v/v
							Isopropyl alcohol	11.5878 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	11.8877 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	11.3878 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
					ATTO15EthCALw_00174	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00188	12/18/24	09/18/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00174	12/19/24	09/19/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL5w_00149	12/18/24	09/20/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00188	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1,2-Trichlorotrifluoroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	17.4791 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	17.5992 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dibromoethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,2-Dichlorotetrafluoroethane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Butadiene	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2,2,4-Trimethylpentane	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v
							3-Chloropropene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Isopropyltoluene	15.0036 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	17.5692 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene(Vinyl Bromide)	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodifluoromethane	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cumene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dibromochloromethane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Hexachlorobutadiene	16.864 ppb v/v
							Isopropyl alcohol	17.3891 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	15.0036 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	15.0036 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butane	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							n-Hexane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							n-Propylbenzene	15.0036 ppb v/v
							Naphthalene	17.8392 ppb v/v
							o-Xylene	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	17.0891 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
					ATTO15EthCALw_00174	620 mL	Ethanol	20.0479 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ATTO15CALSTKi_00188	12/18/24	09/18/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00174	12/19/24	09/19/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL6w_00238	12/18/24	09/20/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00188	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00174	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00188	12/18/24	09/18/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00174	12/19/24	09/19/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00149	12/18/24	09/20/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00188	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1,2-Trichlorotrifluoroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	46.591 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	46.9109 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dibromoethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,2-Dichlorotetrafluoroethane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Butadiene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2,2,4-Trimethylpentane	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methylbutane	39.9922 ppb v/v
							3-Chloropropene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	46.8309 ppb v/v
							Acrylonitrile	39.9922 ppb v/v
							Alpha Methyl Styrene	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	39.9922 ppb v/v
							Bromodichloromethane	39.9922 ppb v/v
							Bromoethene(Vinyl Bromide)	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chlorodifluoromethane	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v
							cis-1,2-Dichloroethene	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cumene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dibromochloromethane	39.9922 ppb v/v
							Dibromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Dodecane	39.9922 ppb v/v
							Ethyl acetate	39.9922 ppb v/v
							Ethyl ether	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Hexachlorobutadiene	44.9513 ppb v/v
							Isopropyl alcohol	46.351 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	79.9845 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	39.9922 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	39.9922 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Butane	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v
							n-Decane	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							n-Hexane	39.9922 ppb v/v
							n-Nonane	39.9922 ppb v/v
							n-Octane	39.9922 ppb v/v
							n-Propylbenzene	39.9922 ppb v/v
							Naphthalene	47.5508 ppb v/v
							o-Xylene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							tert-Butyl alcohol	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	39.9922 ppb v/v
							trans-1,2-Dichloroethene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Undecane	39.9922 ppb v/v
							Vinyl acetate	45.5512 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
					ATTO15EthCALw_00174	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00188	12/18/24	09/18/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00174	12/19/24	09/19/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CISs_00012							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Tentatively Identified Compound	
							Total Alkanes	
							Xylenes, Total	
ATTO15LCSW_00880	10/18/24	10/04/24	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00148	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00148	10/18/24	10/01/24	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00049	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00049	10/18/24		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15LCSW_00881	12/16/24	10/16/24	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00149	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00149	12/16/24	10/16/24	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00051	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15CALs_00051	03/27/25		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v

Reagent

1gEthanol_00005

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Ethyl alcohol

CATALOG NUMBER	N-11885-1G
LOT NUMBER	12173500
DATE CERTIFIED	08/21/19
EXPIRATION DATE	08/30/25
CAS NUMBER	64-17-5
MOLECULAR FORMULA	C2H6O
MOLECULAR WEIGHT	46.07
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/TCD)	99.5
% PURITY (GC/FID)	100.0
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
PHYSICAL APPEARANCE	COLORLESS LIQUID
% PURITY	99.8
ISO 17034:2016	CERTIFIED REFERENCE MATERIAL

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Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

PJLA Testing
Accreditation #0529

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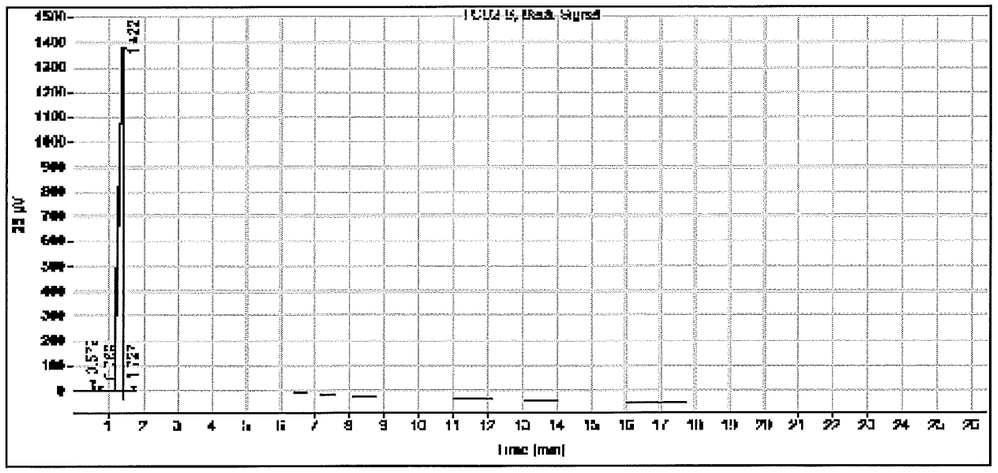
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\0718\SIG2022556.D

Sample name: N-11885 NEAT TCD

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	7/31/2019 11:37:41 AM	**Location:**	Vial 101
Acq. method:	N-11885 TCD.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		



Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.572	BB	0.0212	35.3817	25.4750	0.3006
0.769	BB	0.0375	16.7108	5.8171	0.1420
1.422	BB	0.1103	11708.3486	1361.3082	99.4587
1.727	BB	0.0260	11.6247	7.1305	0.0987
		Sum	11772.0658		

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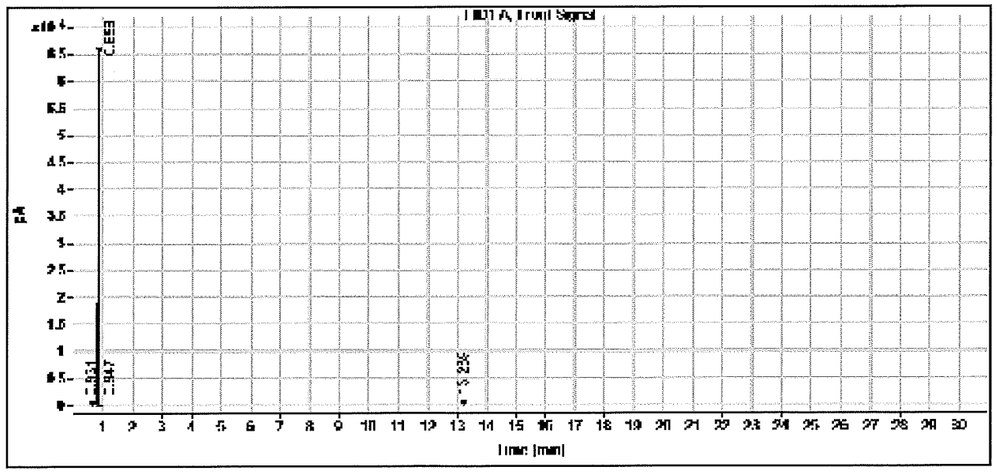
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\073019\073019B 2019-07-30 16-13-42 \101F0403.D

Sample name: N-11885 neat

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	7/31/2019 3:39:30 AM	**Location:**	Vial 101
Acq. method:	N-11885.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.631	BV	0.0075	0.2668	0.5372	0.0002
0.647	VB	0.0112	27.4219	37.6672	0.0185
0.868	BB S	0.0287	148490.7656	65443.6719	99.9813
13.239	BB	0.0025	0.0186	0.1089	0.0000
		Sum	148518.4729		

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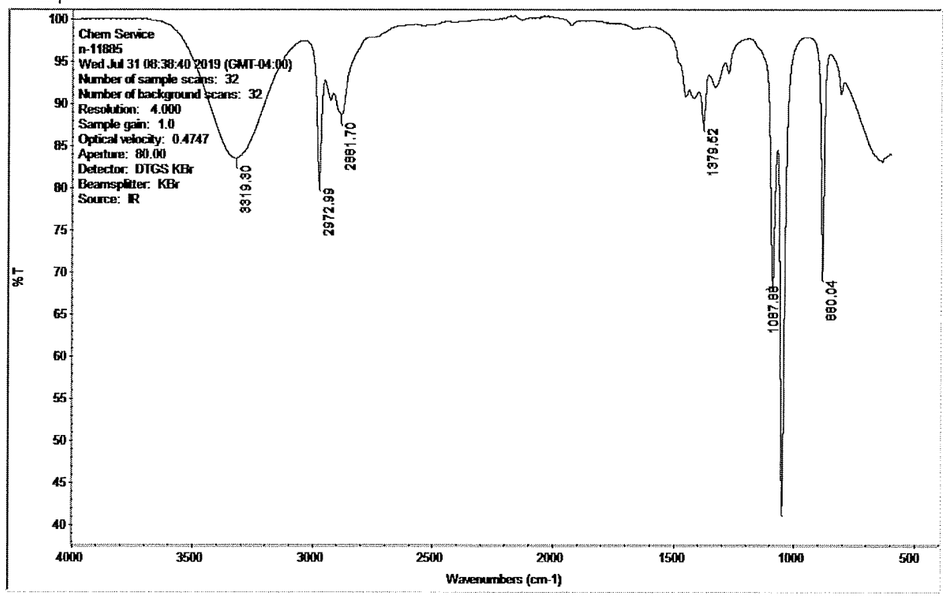
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-11885-1G
Description:	Ethyl alcohol
Lot Number:	12173500
Expiration Date:	08/30/25



PJLA Testing

Reagent

ATTO15AMISs_00004

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PAGE: 1 of 1

1921534
ID ATTO15AMISs_00004
Exp: 08/30/29 Prpd
CHAM Internal Standard ta

ANALYSIS REPORT

Sales#:	117483798	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1593961	**Cylinder # :**	CC-524298
Report Date:	Aug-31-2023	**Cylinder Pressure:**	2000 psig
P.O.# :	75601243	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24088974	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	*Aug-31-2024 => 8/30/2029	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Bromochloromethane	74-97-5	100 ppb	95 ppb
1,4-Difluorobenzene	540-36-3	100 ppb	96 ppb
Chlorobenzene-d5	3114-55-4	100 ppb	99 ppb
4-Bromofluorobenzene	460-00-4	100 ppb	100 ppb
Nitrogen	7727-37-9	Balance	Balance

VTP 8/30/24

~~1787782~~ 1921534

* New exp date: 8/30/2029 / Recertified by: VTP 8/30/24

ANALYST: Brian Bramkamp

DATE: Aug-31-2023

Reagent

ATTO15CALs_00049

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ANALYSIS REPORT

Sales#:	117425259
Production#:	1545375
Report Date:	Oct-25-2021
P.O.# :	74005680
Blend Type:	QUALIFIED
Material#:	24106776
Traceability:	NIST by weight
Expiration Date:	Oct-25-2022 * Exp: 10/18/2024
Do NOT use under:	150 psig

1809445
ID ATTO15CALs_00049
Exp 10/18/24 Prpd VTP
TO15 Second Source Tank

Cylinder Size:	152 (8" X 47.5")
Cylinder # :	CC-237336
Cylinder Pressure:	1700 psig
Cylinder Valve:	CGA 350 / Steel
Cylinder Volume:	29.5 Liter
Cylinder Material:	Aluminum
Gas Volume:	3400 Liters
Blend Tolerance:	10% Relative
Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.03 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.05 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.07 ppm
Freon-114	76-14-2	1.00 ppm	1.04 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.03 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.04 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.86 ppm
n-Butane	106-97-8	1.00 ppm	1.04 ppm
Bromomethane	74-83-9	1.00 ppm	1.03 ppm
Chloroethane	75-00-3	1.00 ppm	1.03 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile	75-05-8	1.00 ppm	0.95 ppm
Acrolein	107-02-8	1.00 ppm	1.01 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	0.99 ppm
Freon-11	75-69-4	1.00 ppm	1.06 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.98 ppm
Acrylonitrile	107-13-1	1.00 ppm	0.98 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.03 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.02 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.02 ppm
Allyl Chloride	107-05-1	1.00 ppm	1.07 ppm
Freon-113	76-13-1	1.00 ppm	1.05 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.03 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

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ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.05 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.02 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.01 ppm
Hexane	110-54-3	1.00 ppm	1.04 ppm
Chloroform	67-66-3	1.00 ppm	1.01 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.01 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.96 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.03 ppm
Benzene	71-43-2	1.00 ppm	1.03 ppm
1-Butanol	71-36-3	1.00 ppm	0.92 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.03 ppm
Cyclohexane	110-82-7	1.00 ppm	1.05 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.03 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.03 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.05 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	0.97 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	0.97 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.03 ppm
Toluene	108-88-3	1.00 ppm	1.01 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	0.98 ppm
Dibromochloromethane	124-48-1	1.00 ppm	0.97 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.05 ppm

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ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.05 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.02 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.01 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.00 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.05 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.04 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.03 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	1.02 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.06 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.06 ppm
n-Decane	124-18-5	1.00 ppm	1.02 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.02 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.02 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.02 ppm

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PAGE: 4 of 4

ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.03 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene	91-20-3	1.00 ppm	0.95 ppm
n-Dodecane	112-40-3	1.00 ppm	0.93 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	0.92 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.02 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti

DATE: Oct-25-2021

Linde Gas North America LLC

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Preliminary Report

Eurofins Burlington

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Lims ID: lcs Inj. Date: 20-Oct-2023 09:44:43

Worklist ID: 200-0057485-004 Instrument: CHAN.i

Method: TO15_TO3_Master_Method_AN

Duplicate analysis
Recertification

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(
1 Propene	10.0	10.5	104.8	50-158
2 Dichlorodifluoromethane	10.0	9.94	99.4	61-142
3 Chlorodifluoromethane	10.0	9.92	99.2	60-147
4 1,2-Dichloro-1,1,2,2-te	10.0	9.66	96.6	71-141
5 Chloromethane	10.0	9.84	98.4	56-141
7 Butane	10.0	8.13	81.3	53-151
6 Vinyl chloride	10.0	8.23	82.3	61-135
8 Butadiene	10.0	7.26	72.6	58-139
9 Bromomethane	10.0	9.69	96.9	72-124
10 Chloroethane	10.0	9.74	97.4	68-130
12 2-Methylbutane	10.0	8.68	86.8	56-150
13 Vinyl bromide	10.0	9.82	98.2	75-125
14 Trichlorofluoromethane	10.0	9.32	93.2	70-129
15 Pentane	10.0	8.71	87.1	59-152
16 Ethanol	15.0	13.4	89.3	50-150
18 Ethyl ether	10.0	9.04	90.4	71-143
19 Acrolein	10.0	8.55	85.5	50-150
20 1,1-Dichloroethene	10.0	9.07	90.7	68-120
21 1,1,2-Trichloro-1,2,2-t	10.0	9.37	93.7	70-121
22 Acetone	10.0	8.94	89.4	54-154
23 Isopropyl alcohol	10.0	9.07	90.7	53-142
24 Carbon disulfide	10.0	9.13	91.3	71-138
25 Acetonitrile	10.0	8.31	83.1	60-154
26 3-Chloro-1-propene	10.0	7.38	73.8	50-150
27 Methylene Chloride	10.0	8.19	82.0	59-137
28 2-Methyl-2-propanol	10.0	9.37	93.7	66-132
29 Acrylonitrile	10.0	8.21	82.1	65-140
31 Methyl tert-butyl ether	10.0	9.01	90.1	70-127
30 trans-1,2-Dichloroethen	10.0	8.23	82.3	69-137
32 Hexane	10.0	8.36	83.6	63-138
S 35 1,2-Dichloroethene, Tot	20.0	17.1	85.3	73-126
33 1,1-Dichloroethane	10.0	8.21	82.1	66-130
34 Vinyl acetate	10.0	8.30	83.0	59-149
36 2-Butanone (MEK)	10.0	8.80	88.0	72-124
37 cis-1,2-Dichloroethene	10.0	8.82	88.2	72-121
38 Ethyl acetate	10.0	9.64	96.5	70-131
40 Tetrahydrofuran	10.0	8.18	81.8	60-149
41 Chloroform	10.0	8.87	88.7	73-124
42 1,1,1-Trichloroethane	10.0	9.12	91.2	72-127
43 Cyclohexane	10.0	9.21	92.1	76-124
44 Carbon tetrachloride	10.0	9.10	91.0	71-133

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(
45 Benzene	10.0	8.83	88.3	73-119
46 1,2-Dichloroethane	10.0	8.75	87.5	68-135
47 Isooctane	10.0	8.60	86.0	68-131
48 n-Heptane	10.0	8.05	80.6	60-142
50 n-Butanol	10.0	8.76	87.7	50-156
51 Trichloroethene	10.0	9.03	90.3	73-122
53 1,2-Dichloropropane	10.0	8.42	84.2	69-128
54 Methyl methacrylate	10.0	9.11	91.1	73-129
55 1,4-Dioxane	10.0	10.2	101.8	66-129
57 Dibromomethane	10.0	9.44	94.4	68-126
58 Dichlorobromomethane	10.0	9.02	90.2	75-127
59 cis-1,3-Dichloropropene	10.0	9.11	91.1	74-125
61 4-Methyl-2-pentanone (M	10.0	8.36	83.6	58-144
62 Toluene	10.0	9.37	93.7	75-122
64 n-Octane	10.0	8.18	81.8	62-144
66 trans-1,3-Dichloroprope	10.0	9.08	90.8	74-128
67 1,1,2-Trichloroethane	10.0	8.88	88.9	75-126
68 Tetrachloroethene	10.0	9.31	93.1	70-125
69 2-Hexanone	10.0	8.38	83.8	57-143
70 Chlorodibromomethane	10.0	9.44	94.4	73-125
71 Ethylene Dibromide	10.0	9.47	94.8	78-122
74 Chlorobenzene	10.0	9.19	91.9	76-119
75 Ethylbenzene	10.0	9.32	93.2	74-122
76 m-Xylene & p-Xylene	20.0	18.9	94.7	76-121
77 n-Nonane	10.0	8.41	84.1	70-131
S 80 Xylenes, Total	30.0	28.6	95.4	75-122
78 o-Xylene	10.0	9.67	96.8	73-123
79 Styrene	10.0	9.78	97.8	74-125
81 Bromoform	10.0	9.46	94.6	53-149
82 Isopropylbenzene	10.0	9.71	97.1	73-123
83 1,1,2,2-Tetrachloroetha	10.0	8.92	89.2	74-126
84 1,2,3-Trichloropropane	10.0	9.09	90.9	71-125
85 N-Propylbenzene	10.0	9.53	95.3	73-127
86 2-Chlorotoluene	10.0	9.22	92.2	74-126
87 4-Ethyltoluene	10.0	9.68	96.8	75-129
88 1,3,5-Trimethylbenzene	10.0	9.59	95.9	72-126
89 n-Decane	10.0	8.55	85.5	68-134
90 Alpha Methyl Styrene	10.0	10.1	101.2	71-132
91 tert-Butylbenzene	10.0	9.64	96.4	71-125
92 1,2,4-Trimethylbenzene	10.0	9.59	95.9	71-129
93 sec-Butylbenzene	10.0	9.66	96.7	70-128
94 1,3-Dichlorobenzene	10.0	9.51	95.1	69-131
95 4-Isopropyltoluene	10.0	9.86	98.6	68-130
96 1,4-Dichlorobenzene	10.0	9.54	95.4	67-132
97 Benzyl chloride	10.0	9.43	94.3	60-136
98 n-Butylbenzene	10.0	9.63	96.3	65-137

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
99 1,2-Dichlorobenzene	10.0	9.45	94.5	68-129
100 Undecane	10.0	8.77	87.7	62-136
101 Dodecane	10.0	9.06	90.6	50-150
102 1,2,4-Trichlorobenzene	10.0	9.66	96.6	50-150
103 Hexachlorobutadiene	10.0	9.31	93.1	58-130
104 Naphthalene	10.0	9.72	97.2	50-150
105 1,2,3-Trichlorobenzene	10.0	9.39	93.9	50-150

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-70402-A-1	200-70402-A-2	200-70402-A-3
200-70404-A-1	200-70404-A-2	200-70404-A-3

Preliminary Report

Eurofins Burlington

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D
Lims ID: lcs Inj. Date: 21-Oct-2023 14:53:03
Worklist ID: 200-0057501-003 Instrument: CHAN.i
Method: TO15_TO3_Master_Method_AN

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(	$\bar{x}$	D	RPD
1 Propene	10.0	10.2	102.1	50-158	103.45	1.35	1.31
2 Dichlorodifluoromethane	10.0	9.86	98.6	61-142	99.00	0.40	0.40
3 Chlorodifluoromethane	10.0	9.67	96.7	60-147	97.95	1.25	1.28
4 1,2-Dichloro-1,1,2,2-te	10.0	9.56	95.6	71-141	96.05	0.45	0.47
5 Chloromethane	10.0	9.55	95.5	56-141	96.95	1.45	1.50
7 Butane	10.0	8.13	81.3	53-151	81.30	0.00	0.00
6 Vinyl chloride	10.0	8.08	80.8	61-135	81.55	0.75	0.92
8 Butadiene	10.0	7.83	78.3	58-139	75.45	2.85	3.78
9 Bromomethane	10.0	9.68	96.8	72-124	96.85	0.05	0.05
10 Chloroethane	10.0	9.84	98.5	68-130	97.95	0.55	0.56
12 2-Methylbutane	10.0	9.10	91.0	56-150	88.90	2.10	2.36
13 Vinyl bromide	10.0	9.81	98.1	75-125	98.15	0.05	0.05
14 Trichlorofluoromethane	10.0	9.40	94.1	70-129	93.65	0.45	0.48
15 Pentane	10.0	9.31	93.2	59-152	90.15	3.05	3.38
16 Ethanol	15.0	14.3	95.1	50-150			
18 Ethyl ether	10.0	9.41	94.2	71-143	92.30	1.90	2.06
19 Acrolein	10.0	9.05	90.5	50-150	88.00	2.50	2.84
20 1,1-Dichloroethene	10.0	9.31	93.2	68-120	91.95	1.25	1.35
21 1,1,2-Trichloro-1,2,2-t	10.0	9.46	94.6	70-121	94.15	0.45	0.47
22 Acetone	10.0	9.51	95.1	54-154	92.25	2.85	3.09
23 Isopropyl alcohol	10.0	9.88	98.8	53-142	94.75	4.05	4.27
24 Carbon disulfide	10.0	9.40	94.0	71-138	92.65	1.35	1.46
25 Acetonitrile	10.0	9.07	90.7	60-154	86.90	3.80	4.37
26 3-Chloro-1-propene	10.0	8.15	81.6	50-150	77.20	3.90	5.02
27 Methylene Chloride	10.0	8.76	87.6	59-137	84.80	2.80	3.20
28 2-Methyl-2-propanol	10.0	10.0	100.1	66-132	96.90	3.20	3.30
29 Acrylonitrile	10.0	8.90	89.0	65-140	85.55	3.45	4.03
31 Methyl tert-butyl ether	10.0	9.36	93.6	70-127	91.85	1.75	1.90
30 trans-1,2-Dichloroethen	10.0	8.59	85.9	69-137	84.10	1.80	2.14
32 Hexane	10.0	8.96	89.6	63-138	86.60	3.00	3.46
S 35 1,2-Dichloroethene, Tot	20.0	17.6	88.1	73-126	~~83.90~~		
33 1,1-Dichloroethane	10.0	8.56	85.7	66-130	83.90	1.80	2.14
34 Vinyl acetate	10.0	9.21	92.2	59-149	87.60	4.60	5.25
36 2-Butanone (MEK)	10.0	9.30	93.0	72-124	90.50	2.50	2.77
37 cis-1,2-Dichloroethene	10.0	9.03	90.3	72-121	89.25	1.05	1.18
38 Ethyl acetate	10.0	10.1	101.3	70-131	98.90	2.40	2.43
40 Tetrahydrofuran	10.0	8.91	89.1	60-149	85.45	3.65	4.27
41 Chloroform	10.0	9.02	90.3	73-124	89.50	0.80	0.89
42 1,1,1-Trichloroethane	10.0	9.02	90.2	72-127	90.20	0.50	0.55
43 Cyclohexane	10.0	9.41	94.1	76-124	93.10	1.00	1.07
44 Carbon tetrachloride	10.0	9.01	90.1	71-133	90.55	0.45	0.50

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(	X	D	RPD
45 Benzene	10.0	9.06	90.6	73-119	89.45	1.15	1.29
46 1,2-Dichloroethane	10.0	8.83	88.3	68-135	87.90	0.40	0.46
47 Isooctane	10.0	9.02	90.3	68-131	88.15	2.15	2.44
48 n-Heptane	10.0	8.67	86.7	60-142	83.65	3.05	3.65
50 n-Butanol	10.0	9.38	93.8	50-156	90.75	3.05	3.36
51 Trichloroethene	10.0	9.10	91.0	73-122	90.65	0.35	0.39
53 1,2-Dichloropropane	10.0	8.70	87.0	69-128	85.60	1.40	1.63
54 Methyl methacrylate	10.0	9.40	94.1	73-129	92.60	1.50	1.62
55 1,4-Dioxane	10.0	10.4	103.5	66-129	102.65	0.85	0.83
57 Dibromomethane	10.0	9.37	93.7	68-126	94.05	0.35	0.37
58 Dichlorobromomethane	10.0	9.02	90.2	75-127	90.2	0.00	0.00
59 cis-1,3-Dichloropropene	10.0	9.36	93.6	74-125	92.35	1.25	1.35
61 4-Methyl-2-pentanone (M	10.0	8.95	89.6	58-144	86.60	3.00	3.46
62 Toluene	10.0	9.61	96.1	75-122	94.90	1.20	1.26
64 n-Octane	10.0	8.73	87.4	62-144	84.60	2.80	3.31
66 trans-1,3-Dichloroprope	10.0	9.20	92.0	74-128	91.40	0.60	0.66
67 1,1,2-Trichloroethane	10.0	9.11	91.1	75-126	90.00	1.10	1.22
68 Tetrachloroethene	10.0	9.41	94.1	70-125	93.60	0.50	0.53
69 2-Hexanone	10.0	9.04	90.4	57-143	87.10	3.30	3.78
70 Chlorodibromomethane	10.0	9.49	94.9	73-125	94.65	0.25	0.26
71 Ethylene Dibromide	10.0	9.60	96.0	78-122	95.40	0.60	0.63
74 Chlorobenzene	10.0	9.33	93.3	76-119	92.60	0.70	0.76
75 Ethylbenzene	10.0	9.52	95.3	74-122	94.25	1.05	1.11
76 m-Xylene & p-Xylene	20.0	19.4	97.0	76-121	95.85	1.15	1.20
77 n-Nonane	10.0	9.38	93.9	70-131	89.00	4.90	5.50
S 80 Xylenes, Total	30.0	29.5	98.3	75-122			
78 o-Xylene	10.0	10.1	100.9	73-123	98.85	2.05	2.07
79 Styrene	10.0	10.2	102.2	74-125	100.00	2.20	2.20
81 Bromoform	10.0	9.45	94.6	53-149	94.60	0.00	0.00
82 Isopropylbenzene	10.0	9.90	99.0	73-123	98.05	0.95	0.97
83 1,1,2,2-Tetrachloroetha	10.0	9.11	91.1	74-126	90.15	0.95	1.05
84 1,2,3-Trichloropropane	10.0	9.26	92.6	71-125	91.75	0.85	0.93
85 N-Propylbenzene	10.0	9.69	96.9	73-127	96.10	0.80	0.83
86 2-Chlorotoluene	10.0	9.36	93.7	74-126	92.95	0.75	0.81
87 4-Ethyltoluene	10.0	9.75	97.5	75-129	97.15	0.35	3.60
88 1,3,5-Trimethylbenzene	10.0	9.70	97.0	72-126	96.45	0.55	0.57
89 n-Decane	10.0	8.90	89.0	68-134	87.25	1.75	2.01
90 Alpha Methyl Styrene	10.0	10.2	102.5	71-132	101.85	0.65	0.64
91 tert-Butylbenzene	10.0	9.66	96.6	71-125	96.50	0.10	0.10
92 1,2,4-Trimethylbenzene	10.0	9.74	97.4	71-129	96.65	0.75	0.78
93 sec-Butylbenzene	10.0	9.66	96.6	70-128	96.65	0.05	0.05
94 1,3-Dichlorobenzene	10.0	9.51	95.1	69-131	95.10	0.00	0.00
95 4-Isopropyltoluene	10.0	9.89	98.9	68-130	98.75	0.15	0.15
96 1,4-Dichlorobenzene	10.0	9.55	95.5	67-132	95.45	0.05	0.05
97 Benzyl chloride	10.0	9.45	94.6	60-136	94.40	0.20	0.21
98 n-Butylbenzene	10.0	9.68	96.8	65-137	96.55	0.25	0.26

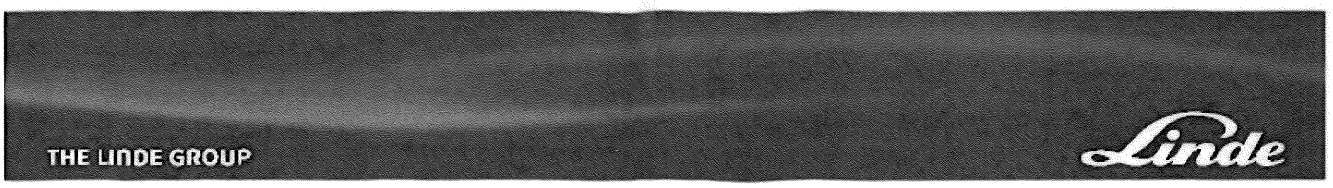
Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C	$\bar{X}$	D	RPD
99 1,2-Dichlorobenzene	10.0	9.45	94.5	68-129	94,50	0,00	0,00
100 Undecane	10.0	8.98	89.8	62-136	88,75	1,05	1,18
101 Dodecane	10.0	9.09	90.9	50-150	90,25	0,15	0,17
102 1,2,4-Trichlorobenzene	10.0	9.64	96.4	50-150	96,50	0,10	0,10
103 Hexachlorobutadiene	10.0	9.29	92.9	58-130	93,00	0,10	0,11
104 Naphthalene	10.0	9.72	97.2	50-150	97,20	0,00	0,00
105 1,2,3-Trichlorobenzene	10.0	9.44	94.4	50-150	94,15	0,25	0,27

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-70404-A-2	200-70404-A-3	200-70404-A-6
200-70404-A-7	200-70404-A-8	200-70404-A-9
200-70404-A-10	200-70404-A-11	200-70398-A-1
200-70398-A-2	200-70398-A-3	200-70398-A-4
200-70398-A-5		



SHIPPED TO: Test America Inc.
30 Community Dr
South Burlington, VT 05403

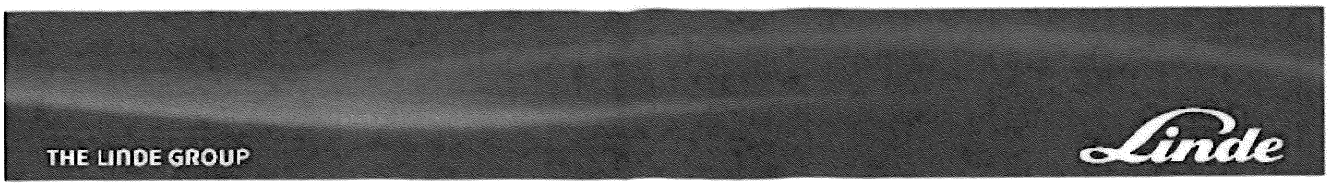
PAGE: 1 of 4

1809416
ID ATTO15CALs_00048
Exp 10/18/24 Prpd
TO15 Calibration Source I

ANALYSIS REPORT

Sales#:	117483885	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1595731	**Cylinder # :**	CC-133603
Report Date:	Oct-18-2023	**Cylinder Pressure:**	1700 psig
P.O.# :	75601236	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-18-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.02 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.07 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.02 ppm
Freon-114	76-14-2	1.00 ppm	1.09 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.04 ppm
1,3-Butadiene	106-99-0	1.00 ppm	0.98 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.58 ppm
n-Butane	106-97-8	1.00 ppm	1.06 ppm
Bromomethane	74-83-9	1.00 ppm	1.04 ppm
Chloroethane	75-00-3	1.00 ppm	1.06 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.02 ppm
Acetonitrile	75-05-8	1.00 ppm	0.92 ppm
Acrolein	107-02-8	1.00 ppm	0.94 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	1.04 ppm
Freon-11	75-69-4	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.97 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.03 ppm
n-Pentane	109-66-0	1.00 ppm	1.04 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.04 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.09 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.05 ppm
Freon-113	76-13-1	1.00 ppm	1.06 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.05 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.04 ppm

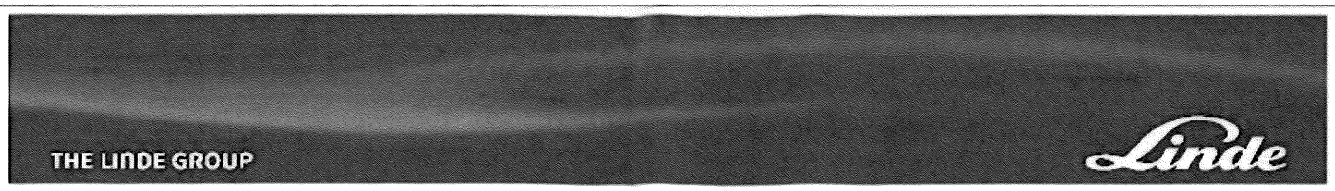


SHIPPED TO: Test America Inc.
30 Community Dr
South Burlington, VT 05403

ANALYSIS REPORT

Sales#:	117483885	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1595731	**Cylinder # :**	CC-133603
Report Date:	Oct-18-2023	**Cylinder Pressure:**	1700 psig
P.O.# :	75601236	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-18-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate (No Stability Guarantee)	108-05-4	1.00 ppm	0.79 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.03 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.05 ppm
Hexane	110-54-3	1.00 ppm	1.05 ppm
Chloroform	67-66-3	1.00 ppm	1.05 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.04 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.98 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.05 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.04 ppm
Benzene	71-43-2	1.00 ppm	1.04 ppm
1-Butanol (No Stability Guarantee)	71-36-3	1.00 ppm	0.70 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.04 ppm
Cyclohexane	110-82-7	1.00 ppm	1.04 ppm
Dibromomethane	74-95-3	1.00 ppm	1.04 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.04 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.02 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.02 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.03 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.03 ppm
Heptane	142-82-5	1.00 ppm	1.04 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.02 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.05 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.00 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.05 ppm
Toluene	108-88-3	1.00 ppm	1.03 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.01 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.06 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.06 ppm



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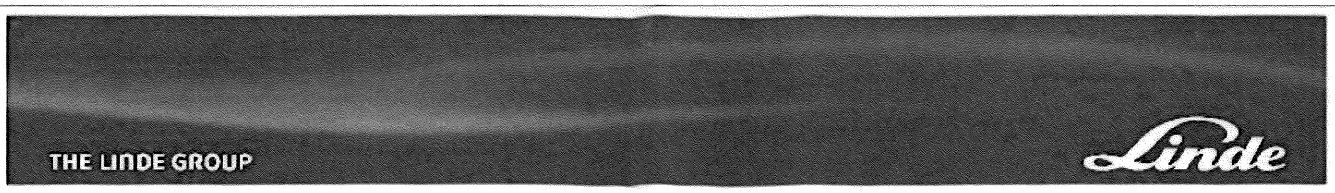
South Burlington, VT 05403

ANALYSIS REPORT

Sales#:	117483885	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1595731	**Cylinder # :**	CC-133603
Report Date:	Oct-18-2023	**Cylinder Pressure:**	1700 psig
P.O.# :	75601236	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-18-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.06 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.05 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.02 ppm
p-xylene	106-42-3	1.00 ppm	1.03 ppm
m-xylene	108-38-3	1.00 ppm	1.03 ppm
Bromoform	75-25-2	1.00 ppm	1.03 ppm
Styrene	100-42-5	1.00 ppm	1.02 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.04 ppm
Nonane	111-84-2	1.00 ppm	1.04 ppm
Cumene	98-82-8	1.00 ppm	1.05 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.03 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.02 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	0.99 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.03 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.03 ppm
n-Decane	124-18-5	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.03 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.04 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.07 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.05 ppm



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South Burlington, VT 05403

PAGE: **4 of 4**

ANALYSIS REPORT

Sales#:	117483885	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1595731	**Cylinder # :**	CC-133603
Report Date:	Oct-18-2023	**Cylinder Pressure:**	1700 psig
P.O.# :	75601236	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-18-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.04 ppm
Naphthalene	91-20-3	1.00 ppm	1.05 ppm
n-Dodecane	112-40-3	1.00 ppm	1.07 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.09 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.05 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti

DATE: Oct-18-2023

Reagent

ATTO15CALs_00050

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Analysis Report

1871092
ID ATTO15CALs_00050
Exp 03/27/25 Prpd VTP
TO15 Calibration Source T

VTP 3/27/24

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PAGE: 1 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

Primary Reference Material intended for the calibration of gas analyzers or instrumentation. General instructions for proper use of gas mixtures are found in "ISO 16664: Gas analysis – handling of calibration gases and gas mixtures".

Contents under pressure, store in secure area and do not expose to temperatures greater than 150 °F.

Recommended Operating temperature within 32°F (0°C) and 125°F (52°C).

Recommended minimum sample size 10 mL.

Except where noted, results are reported in mole/mole ppm as determined by Gas Chromatography using qualified reference standards under ANA-50-741-ALP and ANA-50-742-ALP and meets ISO/IEC 17025 requirements. Every cylinder is analyzed and represents one unique lot.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor providing a level of confidence of 95% and has been carried out in accordance with ISO/IEC 17025 requirements.

This report is issued in accordance with the laboratory accreditation requirements of ANAB. It provides traceability of measurement to recognized national standards, and to units of measurement realized by the National Institute of Standards and Technology (NIST).

Linde Spectra Environmental Gases

Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
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Analysis Report

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PAGE: 2 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Propylene	115-07-1	1.000 ppm	2.571	1.066 ppm	± 0.050 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	2.571	1.065 ppm	± 0.044 ppm
Freon-12	75-71-8	1.000 ppm	2.571	1.048 ppm	± 0.033 ppm
Chloromethane	74-87-3	1.000 ppm	2.571	1.055 ppm	± 0.050 ppm
Freon-114	76-14-2	1.000 ppm	2.571	1.056 ppm	± 0.055 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.052 ppm	± 0.035 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.059 ppm	± 0.030 ppm
Methanol	67-56-1	1.000 ppm	2.571	1.213 ppm	± 0.034 ppm
n-Butane	106-97-8	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.051 ppm	± 0.033 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.046 ppm	± 0.028 ppm
Vinyl Bromide	593-60-2	1.000 ppm	2.571	1.058 ppm	± 0.028 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.101 ppm	± 0.036 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.171 ppm	± 0.038 ppm
Isopentane	78-78-4	1.000 ppm	2.571	1.060 ppm	± 0.038 ppm
Acetone	67-64-1	1.000 ppm	2.571	1.066 ppm	± 0.036 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.029 ppm	± 0.026 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	2.571	1.159 ppm	± 0.029 ppm
n-Pentane	109-66-0	1.000 ppm	2.571	1.057 ppm	± 0.026 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.070 ppm	± 0.034 ppm
Ethyl Ether	60-29-7	1.000 ppm	2.571	1.059 ppm	± 0.043 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.087 ppm	± 0.034 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.083 ppm	± 0.034 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.063 ppm	± 0.027 ppm
Tert-Butanol	75-65-0	1.000 ppm	2.571	1.084 ppm	± 0.027 ppm
3-Chloropropene	107-05-1	1.000 ppm	2.571	1.047 ppm	± 0.026 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.082 ppm	± 0.033 ppm

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Analysis Report

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PAGE: 3 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.035 ppm	± 0.034 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.042 ppm	± 0.042 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	2.571	1.050 ppm	± 0.031 ppm
Vinyl Acetate	108-05-4	1.000 ppm	2.571	1.139 ppm	± 0.030 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	2.571	1.060 ppm	± 0.023 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.081 ppm	± 0.042 ppm
Hexane	110-54-3	1.000 ppm	2.571	1.057 ppm	± 0.041 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.034 ppm	± 0.026 ppm
Ethyl Acetate	141-78-6	1.000 ppm	2.571	1.028 ppm	± 0.026 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.058 ppm	± 0.025 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.037 ppm	± 0.032 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.040 ppm	± 0.034 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.042 ppm	± 0.040 ppm
1-Butanol	71-36-3	1.000 ppm	2.571	1.092 ppm	± 0.027 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.045 ppm	± 0.026 ppm
Cyclohexane	110-82-7	1.000 ppm	2.571	1.058 ppm	± 0.032 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.044 ppm	± 0.026 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	2.571	1.052 ppm	± 0.026 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.048 ppm	± 0.025 ppm
Bromodichloromethane	75-27-4	1.000 ppm	2.571	1.043 ppm	± 0.025 ppm
1,4-Dioxane	123-91-1	1.000 ppm	2.571	1.045 ppm	± 0.025 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	2.571	1.044 ppm	± 0.025 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	2.571	1.049 ppm	± 0.024 ppm
Heptane	142-82-5	1.000 ppm	2.571	1.048 ppm	± 0.024 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	2.571	1.056 ppm	± 0.028 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	2.571	1.044 ppm	± 0.028 ppm
Methylcyclohexane	108-87-2	1.000 ppm	2.571	1.042 ppm	± 0.028 ppm

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Analysis Report

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30 Community Dr Ste 11
South Burlington, VT 05403

Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	2.571	1.053 ppm	± 0.026 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.052 ppm	± 0.023 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.049 ppm	± 0.023 ppm
n-Octane	111-65-9	1.000 ppm	2.571	1.056 ppm	± 0.027 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.039 ppm	± 0.020 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.051 ppm	± 0.023 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.053 ppm	± 0.022 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.048 ppm	± 0.021 ppm
Bromoform	75-25-2	1.000 ppm	2.571	1.051 ppm	± 0.051 ppm
Styrene	100-42-5	1.000 ppm	2.571	1.056 ppm	± 0.023 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	2.571	1.065 ppm	± 0.031 ppm
Nonane	111-84-2	1.000 ppm	2.571	1.052 ppm	± 0.021 ppm
Cumene	98-82-8	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	2.571	1.063 ppm	± 0.031 ppm
n-Propylbenzene	103-65-1	1.000 ppm	2.571	1.057 ppm	± 0.031 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	2.571	1.052 ppm	± 0.039 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.053 ppm	± 0.045 ppm
alpha-Methyl Styrene	98-83-9	1.000 ppm	2.571	1.081 ppm	± 0.045 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	2.571	1.062 ppm	± 0.048 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.069 ppm	± 0.048 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.086 ppm	± 0.050 ppm

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Analysis Report

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PAGE: 5 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Benzyl Chloride	100-44-7	1.000 ppm	2.571	1.078 ppm	± 0.049 ppm
n-Decane	124-18-5	1.000 ppm	2.571	1.080 ppm	± 0.049 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.087 ppm	± 0.048 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	2.571	1.067 ppm	± 0.051 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	2.571	1.077 ppm	± 0.056 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.080 ppm	± 0.047 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	2.571	1.092 ppm	± 0.059 ppm
n-Undecane	1120-21-4	1.000 ppm	2.571	1.074 ppm	± 0.058 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	2.571	1.173 ppm	± 0.068 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.189 ppm	± 0.094 ppm
n-Dodecane	112-40-3	1.000 ppm	2.571	1.084 ppm	± 0.076 ppm

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Analysis Report

SHIPPED TO:
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PAGE: 6 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	2.571	1.165 ppm	± 0.082 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	2.571	1.124 ppm	± 0.064 ppm
Nitrogen	7727-37-9	Balance		Balance	

20% Blend Tolerance on Acetonitrile, Acrolein, Isopropyl Alcohol, Vinyl Acetate, Tert-Butanol, 1-Butanol, 1,2,4-Trichlorobenzene, Naphthalene, 1,2,3-Trichlorobenzene, alpha-Methylstyrene, Benzyl Chloride, and Hexachloro-1,3-Butadiene.

25% Blend Tolerance on Methanol.

No Stability Guarantee on Methanol.

ANALYST: Lou Lorenzetti

DATE: Mar-27-2024

Linde Spectra Environmental Gases

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Reagent

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South Burlington, VT 05403-6834

PAGE: 1 of 4

ANALYSIS REPORT

Sales#:	117425259		**Cylinder Size:** 152 (8" X 47.5")
Production#:	1545375	1937983	**Cylinder # :** CC-237336
Report Date:	Oct-25-2021	ID ATTO15CALs_00051	**Cylinder Pressure:** 1700 psig
P.O.# :	74005680	Exp 03/27/25 Prpd	**Cylinder Valve:** CGA 350 / Steel
Blend Type:	QUALIFIED	TO15 Second Source Tank	**Cylinder Volume:** 29.5 Liter
Material#:	24106776		**Cylinder Material:** Aluminum
Traceability:	NIST by weight		**Gas Volume:** 3400 Liters
Expiration Date:	Oct-25-2022 * Exp: 3/27/2025		**Blend Tolerance:** 10% Relative
Do NOT use under:	150 psig		**Analytical Accuracy:** 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.03 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.05 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.07 ppm
Freon-114	76-14-2	1.00 ppm	1.04 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.03 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.04 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.86 ppm
n-Butane	106-97-8	1.00 ppm	1.04 ppm
Bromomethane	74-83-9	1.00 ppm	1.03 ppm
Chloroethane	75-00-3	1.00 ppm	1.03 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile	75-05-8	1.00 ppm	0.95 ppm
Acrolein	107-02-8	1.00 ppm	1.01 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	0.99 ppm
Freon-11	75-69-4	1.00 ppm	1.06 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.98 ppm
Acrylonitrile	107-13-1	1.00 ppm	0.98 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.03 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.02 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.02 ppm
Allyl Chloride	107-05-1	1.00 ppm	1.07 ppm
Freon-113	76-13-1	1.00 ppm	1.05 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.03 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

THE LINDE GROUP

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SHIPPED TO: Test America Inc.
30 Community Dr Ste 11
South Burlington, VT 05403-6834

ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.05 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.02 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.01 ppm
Hexane	110-54-3	1.00 ppm	1.04 ppm
Chloroform	67-66-3	1.00 ppm	1.01 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.01 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.96 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.03 ppm
Benzene	71-43-2	1.00 ppm	1.03 ppm
1-Butanol	71-36-3	1.00 ppm	0.92 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.03 ppm
Cyclohexane	110-82-7	1.00 ppm	1.05 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.03 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.03 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.05 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	0.97 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	0.97 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.03 ppm
Toluene	108-88-3	1.00 ppm	1.01 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	0.98 ppm
Dibromochloromethane	124-48-1	1.00 ppm	0.97 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.05 ppm

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SHIPPED TO: Test America Inc.
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South Burlington, VT 05403-6834

ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.05 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.02 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.01 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.00 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.05 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.04 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.03 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	1.02 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.06 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.06 ppm
n-Decane	124-18-5	1.00 ppm	1.02 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.02 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.02 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.02 ppm

Linde Gas North America LLC

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

THE LINDE GROUP

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SHIPPED TO: Test America Inc.
30 Community Dr Ste 11
South Burlington, VT 05403-6834

ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.03 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene	91-20-3	1.00 ppm	0.95 ppm
n-Dodecane	112-40-3	1.00 ppm	0.93 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	0.92 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.02 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti

DATE: Oct-25-2021

Linde Gas North America LLC

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Preliminary Report

Eurofins Burlington

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.i\20240628-60975.b\60975_003.D

Lims ID: LCS Inj. Date: 28-Jun-2024 08:14:13

Worklist ID: 200-0060975-003 Instrument: CHAM.i

Method: TO15_TO3_Master_Method_AM1

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(
1 Propene	10.0	10.7	106.6	50-158
2 Dichlorodifluoromethane	10.0	9.63	96.3	61-142
3 Chlorodifluoromethane	10.0	10.2	102.0	60-147
4 1,2-Dichloro-1,1,2,2-te	10.0	9.59	95.9	71-141
5 Chloromethane	10.0	10.5	105.1	56-141
7 Butane	10.0	11.2	112.0	53-151
6 Vinyl chloride	10.0	10.1	100.6	61-135
8 Butadiene	10.0	9.72	97.2	58-139
9 Bromomethane	10.0	9.39	93.9	72-124
10 Chloroethane	10.0	10.1	101.4	68-130
12 2-Methylbutane	10.0	10.3	103.2	56-150
13 Vinyl bromide	10.0	9.22	92.3	75-125
14 Trichlorofluoromethane	10.0	9.25	92.5	70-129
15 Pentane	10.0	10.7	106.9	59-152
16 Ethanol	15.0	16.8	112.0	50-150
18 Ethyl ether	10.0	10.2	101.7	71-143
19 Acrolein	10.0	10.4	103.8	50-150
20 1,1-Dichloroethene	10.0	9.21	92.1	68-120
21 1,1,2-Trichloro-1,2,2-t	10.0	9.39	93.9	70-121
22 Acetone	10.0	11.2	111.8	54-154
23 Isopropyl alcohol	10.0	10.9	109.3	53-142
24 Carbon disulfide	10.0	10.0	100.2	71-138
25 Acetonitrile	10.0	11.5	114.7	60-154
26 3-Chloro-1-propene	10.0	10.4	104.2	50-150
27 Methylene Chloride	10.0	10.6	106.4	59-137
28 2-Methyl-2-propanol	10.0	10.7	106.8	66-132
29 Acrylonitrile	10.0	11.0	109.7	65-140
30 trans-1,2-Dichloroethen	10.0	10.0	100.0	69-137
31 Methyl tert-butyl ether	10.0	10.2	102.3	70-127
32 Hexane	10.0	10.1	100.9	63-138
S 35 1,2-Dichloroethene, Tot	20.0	19.2	96.2	73-126
33 1,1-Dichloroethane	10.0	9.90	99.0	66-130
34 Vinyl acetate	10.0	11.3	112.9	59-149
36 2-Butanone (MEK)	10.0	10.1	100.8	72-124
37 cis-1,2-Dichloroethene	10.0	9.24	92.4	72-121
38 Ethyl acetate	10.0	10.0	99.9	70-131
40 Tetrahydrofuran	10.0	11.1	111.0	60-149
41 Chloroform	10.0	9.72	97.2	73-124
42 1,1,1-Trichloroethane	10.0	9.59	95.9	72-127
43 Cyclohexane	10.0	9.63	96.4	76-124
44 Carbon tetrachloride	10.0	9.47	94.7	71-133

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.i\20240628-60975.b\60975_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(
45 Benzene	10.0	9.72	97.2	73-119
46 1,2-Dichloroethane	10.0	10.0	100.2	68-135
47 Isooctane	10.0	10.2	101.7	68-131
48 n-Heptane	10.0	10.4	104.1	60-142
50 n-Butanol	10.0	10.4	104.4	50-156
51 Trichloroethene	10.0	9.34	93.4	73-122
53 1,2-Dichloropropane	10.0	10.1	101.0	69-128
54 Methyl methacrylate	10.0	10.3	102.9	73-129
55 1,4-Dioxane	10.0	10.1	101.4	66-129
57 Dibromomethane	10.0	8.93	89.3	68-126
58 Dichlorobromomethane	10.0	9.86	98.6	75-127
59 cis-1,3-Dichloropropene	10.0	10.0	100.0	74-125
61 4-Methyl-2-pentanone (M	10.0	10.7	107.4	58-144
62 Toluene	10.0	9.89	98.9	75-122
64 n-Octane	10.0	10.6	105.7	62-144
66 trans-1,3-Dichloroprope	10.0	10.1	101.0	74-128
67 1,1,2-Trichloroethane	10.0	10.1	101.3	75-126
68 Tetrachloroethene	10.0	9.04	90.5	70-125
69 2-Hexanone	10.0	11.2	111.5	57-143
70 Chlorodibromomethane	10.0	9.88	98.8	73-125
71 Ethylene Dibromide	10.0	9.89	98.9	78-122
74 Chlorobenzene	10.0	9.67	96.7	76-119
75 Ethylbenzene	10.0	10.1	100.6	74-122
76 m-Xylene & p-Xylene	20.0	19.9	99.5	76-121
77 n-Nonane	10.0	10.6	106.1	70-131
S 80 Xylenes, Total	30.0	29.8	99.4	75-122
78 o-Xylene	10.0	9.91	99.1	73-123
79 Styrene	10.0	10.1	101.3	74-125
81 Bromoform	10.0	10.0	100.0	53-149
82 Isopropylbenzene	10.0	10.1	100.7	73-123
83 1,1,2,2-Tetrachloroetha	10.0	10.5	104.6	74-126
84 1,2,3-Trichloropropane	10.0	10.5	105.1	71-125
85 N-Propylbenzene	10.0	10.4	104.1	73-127
86 2-Chlorotoluene	10.0	10.2	101.5	74-126
87 4-Ethyltoluene	10.0	10.4	103.6	75-129
88 1,3,5-Trimethylbenzene	10.0	10.3	103.4	72-126
89 n-Decane	10.0	11.1	111.3	68-134
90 Alpha Methyl Styrene	10.0	10.4	103.7	71-132
91 tert-Butylbenzene	10.0	10.1	101.0	71-125
92 1,2,4-Trimethylbenzene	10.0	10.3	103.4	71-129
93 sec-Butylbenzene	10.0	10.4	104.3	70-128
94 1,3-Dichlorobenzene	10.0	10.0	100.5	69-131
95 4-Isopropyltoluene	10.0	10.4	104.0	68-130
96 1,4-Dichlorobenzene	10.0	10.1	100.6	67-132
97 Benzyl chloride	10.0	11.4	113.6	60-136
98 n-Butylbenzene	10.0	10.7	107.4	65-137

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.i\20240628-60975.b\60975_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
99 1,2-Dichlorobenzene	10.0	10.2	101.5	68-129
100 Undecane	10.0	11.1	111.5	62-136
101 Dodecane	10.0	11.4	114.4	50-150
102 1,2,4-Trichlorobenzene	10.0	9.83	98.3	50-150
103 Hexachlorobutadiene	10.0	9.18	91.8	58-130
104 Naphthalene	10.0	13.1	131.2	50-150
105 1,2,3-Trichlorobenzene	10.0	9.81	98.1	50-150

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-74115-A-3	200-74115-A-4	180-176160-A-1
200-74105-A-1	200-74105-A-2	200-74105-A-3
200-74105-A-4	200-74105-A-5	200-74124-A-1
200-74009-A-10	180-176297-A-1	180-176297-A-2
180-176297-A-3	180-176297-A-4	180-176297-A-5

Preliminary Report

Eurofins Burlington

LCSD, LCS Duplicate Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.i\20240628-60975.b\60975_004.D

Lims ID: LCSD Inj. Date: 28-Jun-2024 09:05:42

Worklist ID: 200-0060975-004 Instrument: CHAM.i

Method: TO15_TO3_Master_Method_AM1

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(
1 Propene	10.0	9.96	99.7	50-158
2 Dichlorodifluoromethane	10.0	9.11	91.1	61-142
3 Chlorodifluoromethane	10.0	9.58	95.8	60-147
4 1,2-Dichloro-1,1,2,2-te	10.0	9.05	90.5	71-141
5 Chloromethane	10.0	9.88	98.8	56-141
7 Butane	10.0	10.3	102.6	53-151
6 Vinyl chloride	10.0	9.24	92.4	61-135
8 Butadiene	10.0	9.08	90.8	58-139
9 Bromomethane	10.0	8.90	89.0	72-124
10 Chloroethane	10.0	9.44	94.4	68-130
12 2-Methylbutane	10.0	9.70	97.0	56-150
13 Vinyl bromide	10.0	8.89	88.9	75-125
14 Trichlorofluoromethane	10.0	8.78	87.9	70-129
15 Pentane	10.0	9.67	96.7	59-152
16 Ethanol	15.0	15.6	103.7	50-150
18 Ethyl ether	10.0	9.21	92.2	71-143
19 Acrolein	10.0	9.43	94.3	50-150
20 1,1-Dichloroethene	10.0	8.41	84.2	68-120
21 1,1,2-Trichloro-1,2,2-t	10.0	8.52	85.2	70-121
22 Acetone	10.0	10.2	102.0	54-154
23 Isopropyl alcohol	10.0	9.37	93.7	53-142
24 Carbon disulfide	10.0	9.10	91.0	71-138
25 Acetonitrile	10.0	8.87	88.7	60-154
26 3-Chloro-1-propene	10.0	9.56	95.6	50-150
27 Methylene Chloride	10.0	9.60	96.0	59-137
28 2-Methyl-2-propanol	10.0	9.60	96.0	66-132
29 Acrylonitrile	10.0	9.67	96.7	65-140
30 trans-1,2-Dichloroethen	10.0	9.40	94.0	69-137
31 Methyl tert-butyl ether	10.0	9.51	95.1	70-127
32 Hexane	10.0	9.30	93.1	63-138
S 35 1,2-Dichloroethene, Tot	20.0	17.7	88.5	73-126
33 1,1-Dichloroethane	10.0	8.89	88.9	66-130
34 Vinyl acetate	10.0	10.1	101.0	59-149
36 2-Butanone (MEK)	10.0	9.05	90.5	72-124
37 cis-1,2-Dichloroethene	10.0	8.29	82.9	72-121
38 Ethyl acetate	10.0	9.33	93.3	70-131
40 Tetrahydrofuran	10.0	9.89	99.0	60-149
41 Chloroform	10.0	9.01	90.2	73-124
42 1,1,1-Trichloroethane	10.0	8.90	89.0	72-127
43 Cyclohexane	10.0	8.93	89.3	76-124
44 Carbon tetrachloride	10.0	8.84	88.4	71-133

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.i\20240628-60975.b\60975_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
45 Benzene	10.0	9.03	90.3	73-119
46 1,2-Dichloroethane	10.0	9.30	93.0	68-135
47 Isooctane	10.0	9.41	94.1	68-131
48 n-Heptane	10.0	9.64	96.4	60-142
50 n-Butanol	10.0	8.16	81.7	50-156
51 Trichloroethene	10.0	8.71	87.2	73-122
53 1,2-Dichloropropane	10.0	9.37	93.7	69-128
54 Methyl methacrylate	10.0	9.37	93.7	73-129
55 1,4-Dioxane	10.0	8.68	86.9	66-129
57 Dibromomethane	10.0	8.40	84.0	68-126
58 Dichlorobromomethane	10.0	9.17	91.7	75-127
59 cis-1,3-Dichloropropene	10.0	9.16	91.6	74-125
61 4-Methyl-2-pentanone (M	10.0	9.69	96.9	58-144
62 Toluene	10.0	9.23	92.3	75-122
64 n-Octane	10.0	9.71	97.1	62-144
66 trans-1,3-Dichloroprope	10.0	10.1	100.9	74-128
67 1,1,2-Trichloroethane	10.0	9.52	95.2	75-126
68 Tetrachloroethene	10.0	8.52	85.2	70-125
69 2-Hexanone	10.0	9.79	98.0	57-143
70 Chlorodibromomethane	10.0	9.12	91.3	73-125
71 Ethylene Dibromide	10.0	9.19	91.9	78-122
74 Chlorobenzene	10.0	9.05	90.5	76-119
75 Ethylbenzene	10.0	9.30	93.0	74-122
76 m-Xylene & p-Xylene	20.0	18.5	92.3	76-121
77 n-Nonane	10.0	9.82	98.2	70-131
S 80 Xylenes, Total	30.0	27.7	92.5	75-122
78 o-Xylene	10.0	9.28	92.8	73-123
79 Styrene	10.0	9.35	93.5	74-125
81 Bromoform	10.0	9.09	90.9	53-149
82 Isopropylbenzene	10.0	9.38	93.8	73-123
83 1,1,2,2-Tetrachloroetha	10.0	9.52	95.2	74-126
84 1,2,3-Trichloropropane	10.0	9.58	95.8	71-125
85 N-Propylbenzene	10.0	9.62	96.3	73-127
86 2-Chlorotoluene	10.0	9.38	93.8	74-126
87 4-Ethyltoluene	10.0	9.58	95.9	75-129
88 1,3,5-Trimethylbenzene	10.0	9.61	96.1	72-126
89 n-Decane	10.0	10.3	103.0	68-134
90 Alpha Methyl Styrene	10.0	9.26	92.6	71-132
91 tert-Butylbenzene	10.0	9.40	94.0	71-125
92 1,2,4-Trimethylbenzene	10.0	9.50	95.0	71-129
93 sec-Butylbenzene	10.0	9.67	96.7	70-128
94 1,3-Dichlorobenzene	10.0	9.02	90.2	69-131
95 4-Isopropyltoluene	10.0	9.39	93.9	68-130
96 1,4-Dichlorobenzene	10.0	9.10	91.1	67-132
97 Benzyl chloride	10.0	9.71	97.1	60-136
98 n-Butylbenzene	10.0	9.58	95.8	65-137

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.i\20240628-60975.b\60975_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
99 1,2-Dichlorobenzene	10.0	9.04	90.4	68-129
100 Undecane	10.0	9.86	98.7	62-136
101 Dodecane	10.0	9.23	92.4	50-150
102 1,2,4-Trichlorobenzene	10.0	8.16	81.6	50-150
103 Hexachlorobutadiene	10.0	8.35	83.6	58-130
104 Naphthalene	10.0	9.95	99.5	50-150
105 1,2,3-Trichlorobenzene	10.0	7.21	72.2	50-150

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-74115-A-3	200-74115-A-4	180-176160-A-1
200-74105-A-1	200-74105-A-2	200-74105-A-3
200-74105-A-4	200-74105-A-5	200-74124-A-1
200-74009-A-10	180-176297-A-1	180-176297-A-2
180-176297-A-3	180-176297-A-4	180-176297-A-5

Analyte	LCS %	LCSD %	RDP
Propene	106.6	99.7	3.34
Dichlorodifluoromethane	96.3	91.1	2.77
Chlorodifluoromethane	102	95.8	3.13
1,2-Dichloro-1,1,2,2-tetrafluoroethane	95.9	90.5	2.90
Chloromethane	105.1	98.8	3.09
Butane	112	102.6	4.38
Vinyl chloride	100.6	92.4	4.25
Butadiene	97.2	90.8	3.40
Bromomethane	93.9	89	2.68
Chloroethane	101.4	94.4	3.58
2-Methylbutane	103.2	97	3.10
Vinyl bromide	92.3	88.9	1.88
Trichlorofluoromethane	92.5	87.9	2.55
Pentane	106.9	96.7	5.01
Ethanol	112	103.7	3.85
Ethyl ether	101.7	92.2	4.90
Acrolein	103.8	94.3	4.80
1,1,2-Trichloro-1,2,2-trifluoroethane	93.9	85.5	4.68
1,1-Dichloroethene	92.1	84.2	4.48
Acetone	111.8	102	4.58
Isopropyl alcohol	109.3	93.7	7.68
Carbon disulfide	100.2	91	4.81
3-Chloro-1-propene	104.2	95.6	4.30
Acetonitrile	114.7	88.7	12.78
Methylene Chloride	106.4	96	5.14
2-Methyl-2-propanol	106.8	96	5.33
Methyl tert-butyl ether	102.3	95.1	3.65
trans-1,2-Dichloroethene	100	94	3.09
Acrylonitrile	102.3	96.7	2.81
Hexane	109.7	93.1	8.19
1,1-Dichloroethane	99	88.9	5.38
Vinyl acetate	112.9	101	5.56
2-Butanone (MEK)	100.8	90.5	5.38
Ethyl acetate	99.9	93.3	3.42
cis-1,2-Dichloroethene	92.4	82.9	5.42
Tetrahydrofuran	111	99	5.71
Chloroform	97.2	90.2	3.74
1,1,1-Trichloroethane	95.9	89	3.73
Cyclohexane	96.4	89.3	3.82
Carbon tetrachloride	94.7	88.4	3.44
Isooctane	101.7	94.1	3.88
Benzene	97.2	90.3	3.68
1,2-Dichloroethane	100.2	93	3.73

n-Heptane	104.1	96.4	3.84
n-Butanol	104.4	81.7	12.20
Trichloroethene	93.4	87.2	3.43
1,2-Dichloropropane	101	93.7	3.75
Methyl methacrylate	102.9	93.7	4.68
1,4-Dioxane	101.4	86.9	7.70
Dibromomethane	89.3	84	3.06
Dichlorobromomethane	98.6	91.7	3.63
cis-1,3-Dichloropropene	100	91.6	4.38
4-Methyl-2-pentanone (MIBK)	107.4	96.9	5.14
n-Octane	105.7	97.1	4.24
Toluene	98.9	92.3	3.45
trans-1,3-Dichloropropene	101	100.9	0.05
1,1,2-Trichloroethane	101.3	95.2	3.10
Tetrachloroethene	90.5	85.2	3.02
2-Hexanone	111.5	98	6.44
Chlorodibromomethane	98.8	91.3	3.95
Ethylene Dibromide	98.9	91.9	3.67
Chlorobenzene	96.7	90.5	3.31
Ethylbenzene	100.6	93	3.93
n-Nonane	106.1	98.2	3.87
m-Xylene & p-Xylene	99.5	92.3	3.75
o-Xylene	99.1	92.8	3.28
Styrene	101.3	93.5	4.00
Bromoform	100	90.9	4.77
Isopropylbenzene	100.7	93.8	3.55
1,1,2,2-Tetrachloroethane	104.6	95.2	4.70
N-Propylbenzene	104.1	96.3	3.89
1,2,3-Trichloropropane	105.1	95.8	4.63
n-Decane	111.3	103	3.87
4-Ethyltoluene	103.6	95.9	3.86
2-Chlorotoluene	101.5	93.8	3.94
1,3,5-Trimethylbenzene	103.4	96.1	3.66
Alpha Methyl Styrene	103.7	92.6	5.65
tert-Butylbenzene	101	94	3.59
1,2,4-Trimethylbenzene	103.4	95	4.23
sec-Butylbenzene	104.3	96.7	3.78
4-Isopropyltoluene	104.5	93.9	5.34
1,3-Dichlorobenzene	100.5	90.2	5.40
1,4-Dichlorobenzene	100.6	91.1	4.96
Benzyl chloride	113.6	97.1	7.83
Undecane	111.5	98.7	6.09
n-Butylbenzene	107.4	95.8	5.71
1,2-Dichlorobenzene	101.5	90.4	5.78

Dodecane	114.4	92.4	10.64
1,2,4-Trichlorobenzene	98.3	81.6	9.28
Hexachlorobutadiene	91.8	83.6	4.68
Naphthalene	131.2	99.5	13.74
1,2,3-Trichlorobenzene	98.1	72.2	15.21

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TESTING LABORATORY

Analysis Report

1871092
ID ATTO15CALs_00050
Exp 03/27/25 Prpd VTP
TO15 Calibration Source T

VTP 3/27/24

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 1 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

Primary Reference Material intended for the calibration of gas analyzers or instrumentation. General instructions for proper use of gas mixtures are found in "ISO 16664: Gas analysis – handling of calibration gases and gas mixtures".

Contents under pressure, store in secure area and do not expose to temperatures greater than 150 °F.

Recommended Operating temperature within 32°F (0°C) and 125°F (52°C).

Recommended minimum sample size 10 mL.

Except where noted, results are reported in mole/mole ppm as determined by Gas Chromatography using qualified reference standards under ANA-50-741-ALP and ANA-50-742-ALP and meets ISO/IEC 17025 requirements. Every cylinder is analyzed and represents one unique lot.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor providing a level of confidence of 95% and has been carried out in accordance with ISO/IEC 17025 requirements.

This report is issued in accordance with the laboratory accreditation requirements of ANAB. It provides traceability of measurement to recognized national standards, and to units of measurement realized by the National Institute of Standards and Technology (NIST).

Linde Spectra Environmental Gases

Linde North America, Inc.

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www.lideus.com

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Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 2 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Propylene	115-07-1	1.000 ppm	2.571	1.066 ppm	± 0.050 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	2.571	1.065 ppm	± 0.044 ppm
Freon-12	75-71-8	1.000 ppm	2.571	1.048 ppm	± 0.033 ppm
Chloromethane	74-87-3	1.000 ppm	2.571	1.055 ppm	± 0.050 ppm
Freon-114	76-14-2	1.000 ppm	2.571	1.056 ppm	± 0.055 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.052 ppm	± 0.035 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.059 ppm	± 0.030 ppm
Methanol	67-56-1	1.000 ppm	2.571	1.213 ppm	± 0.034 ppm
n-Butane	106-97-8	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.051 ppm	± 0.033 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.046 ppm	± 0.028 ppm
Vinyl Bromide	593-60-2	1.000 ppm	2.571	1.058 ppm	± 0.028 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.101 ppm	± 0.036 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.171 ppm	± 0.038 ppm
Isopentane	78-78-4	1.000 ppm	2.571	1.060 ppm	± 0.038 ppm
Acetone	67-64-1	1.000 ppm	2.571	1.066 ppm	± 0.036 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.029 ppm	± 0.026 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	2.571	1.159 ppm	± 0.029 ppm
n-Pentane	109-66-0	1.000 ppm	2.571	1.057 ppm	± 0.026 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.070 ppm	± 0.034 ppm
Ethyl Ether	60-29-7	1.000 ppm	2.571	1.059 ppm	± 0.043 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.087 ppm	± 0.034 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.083 ppm	± 0.034 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.063 ppm	± 0.027 ppm
Tert-Butanol	75-65-0	1.000 ppm	2.571	1.084 ppm	± 0.027 ppm
3-Chloropropene	107-05-1	1.000 ppm	2.571	1.047 ppm	± 0.026 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.082 ppm	± 0.033 ppm

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TESTING LABORATORY

Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.035 ppm	± 0.034 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.042 ppm	± 0.042 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	2.571	1.050 ppm	± 0.031 ppm
Vinyl Acetate	108-05-4	1.000 ppm	2.571	1.139 ppm	± 0.030 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	2.571	1.060 ppm	± 0.023 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.081 ppm	± 0.042 ppm
Hexane	110-54-3	1.000 ppm	2.571	1.057 ppm	± 0.041 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.034 ppm	± 0.026 ppm
Ethyl Acetate	141-78-6	1.000 ppm	2.571	1.028 ppm	± 0.026 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.058 ppm	± 0.025 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.037 ppm	± 0.032 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.040 ppm	± 0.034 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.042 ppm	± 0.040 ppm
1-Butanol	71-36-3	1.000 ppm	2.571	1.092 ppm	± 0.027 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.045 ppm	± 0.026 ppm
Cyclohexane	110-82-7	1.000 ppm	2.571	1.058 ppm	± 0.032 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.044 ppm	± 0.026 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	2.571	1.052 ppm	± 0.026 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.048 ppm	± 0.025 ppm
Bromodichloromethane	75-27-4	1.000 ppm	2.571	1.043 ppm	± 0.025 ppm
1,4-Dioxane	123-91-1	1.000 ppm	2.571	1.045 ppm	± 0.025 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	2.571	1.044 ppm	± 0.025 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	2.571	1.049 ppm	± 0.024 ppm
Heptane	142-82-5	1.000 ppm	2.571	1.048 ppm	± 0.024 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	2.571	1.056 ppm	± 0.028 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	2.571	1.044 ppm	± 0.028 ppm
Methylcyclohexane	108-87-2	1.000 ppm	2.571	1.042 ppm	± 0.028 ppm

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Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	2.571	1.053 ppm	± 0.026 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.052 ppm	± 0.023 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.049 ppm	± 0.023 ppm
n-Octane	111-65-9	1.000 ppm	2.571	1.056 ppm	± 0.027 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.039 ppm	± 0.020 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.051 ppm	± 0.023 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.053 ppm	± 0.022 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.048 ppm	± 0.021 ppm
Bromoform	75-25-2	1.000 ppm	2.571	1.051 ppm	± 0.051 ppm
Styrene	100-42-5	1.000 ppm	2.571	1.056 ppm	± 0.023 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	2.571	1.065 ppm	± 0.031 ppm
Nonane	111-84-2	1.000 ppm	2.571	1.052 ppm	± 0.021 ppm
Cumene	98-82-8	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	2.571	1.063 ppm	± 0.031 ppm
n-Propylbenzene	103-65-1	1.000 ppm	2.571	1.057 ppm	± 0.031 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	2.571	1.052 ppm	± 0.039 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.053 ppm	± 0.045 ppm
alpha-Methyl Styrene	98-83-9	1.000 ppm	2.571	1.081 ppm	± 0.045 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	2.571	1.062 ppm	± 0.048 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.069 ppm	± 0.048 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.086 ppm	± 0.050 ppm

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Analysis Report

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PAGE: 5 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Benzyl Chloride	100-44-7	1.000 ppm	2.571	1.078 ppm	± 0.049 ppm
n-Decane	124-18-5	1.000 ppm	2.571	1.080 ppm	± 0.049 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.087 ppm	± 0.048 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	2.571	1.067 ppm	± 0.051 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	2.571	1.077 ppm	± 0.056 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.080 ppm	± 0.047 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	2.571	1.092 ppm	± 0.059 ppm
n-Undecane	1120-21-4	1.000 ppm	2.571	1.074 ppm	± 0.058 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	2.571	1.173 ppm	± 0.068 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.189 ppm	± 0.094 ppm
n-Dodecane	112-40-3	1.000 ppm	2.571	1.084 ppm	± 0.076 ppm

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ISO/IEC 17025

Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 6 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	2.571	1.165 ppm	± 0.082 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	2.571	1.124 ppm	± 0.064 ppm
Nitrogen	7727-37-9	Balance		Balance	

20% Blend Tolerance on Acetonitrile, Acrolein, Isopropyl Alcohol, Vinyl Acetate, Tert-Butanol, 1-Butanol, 1,2,4-Trichlorobenzene, Naphthalene, 1,2,3-Trichlorobenzene, alpha-Methylstyrene, Benzyl Chloride, and Hexachloro-1,3-Butadiene.

25% Blend Tolerance on Methanol.

No Stability Guarantee on Methanol.

ANALYST: Lou Lorenzetti

DATE: Mar-27-2024

Linde Spectra Environmental Gases

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Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
Phone: +1.908.329-9700 FAX: +1.908.329-9740

Reagent

ATTO15CISs_00012

THE LINDE GROUP

Linde

SHIPPED TO: Test America Inc.
30 Community Dr. Ste. 11
Suoth Burlington, VT 05403-6834

PAGE: 1 of 1

ANALYSIS REPORT

Sales#:	117424982	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1543553	**Cylinder # :**	CC-106829
Report Date:	Sep-22-2021	**Cylinder Pressure:**	2000 psig
P.O.# :	74003137	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24088974	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Sep-22-2022 * 9/22/2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT		CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Bromochloromethane		74-97-5	100 ppb	96 ppb
1,4-Difluorobenzene		540-36-3	100 ppb	98 ppb
Chlorobenzene-d5		3114-55-4	100 ppb	94 ppb
4-Bromofluorobenzene		460-00-4	100 ppb	92 ppb
Nitrogen	1552483 ID ATTO15CISs_00012 Exp 09/22/25 Prpd TPB Opn 10/14/21 Internal Standard for Ins	7727-37-9	Balance	Balance

* ISTD exp 5 years from manufacturing date of 9/22/21

ANALYST: Brian Bramkamp **DATE:** Sep-22-2021

Linde Gas North America LLC

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Method TO15

Volatile Organic Compounds (GC/MS) by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 62652_003.D

Lab ID: LCS 200-210137/3 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	41.7	84	61-142	
Chlorodifluoromethane	35.4	32.5	92	60-147	
1,2-Dichlorotetrafluoroethane	69.9	60.5	87	71-141	
Chloromethane	20.6	19.3	94	56-141	
n-Butane	23.8	24.4	103	53-151	
Vinyl chloride	25.6	24.8	97	61-135	
1,3-Butadiene	22.1	20.7	93	58-139	
Bromomethane	38.8	33.8	87	72-124	
Chloroethane	26.4	23.6	89	68-130	
Bromoethene(Vinyl Bromide)	43.7	38.4	88	75-125	
Trichlorofluoromethane	56.2	47.6	85	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	64.2	84	70-121	
1,1-Dichloroethene	39.6	32.8	83	68-120	
Acetone	23.7	22.5	95	54-154	
Isopropyl alcohol	24.6	23.7	96	53-142	
Carbon disulfide	31.1	27.7	89	71-138	
3-Chloropropene	31.3	25.6	82	50-150	
Methylene Chloride	34.7	32.5	94	59-137	
tert-Butyl alcohol	30.3	25.9	85	66-132	
Methyl tert-butyl ether	36.0	32.0	89	70-127	
trans-1,2-Dichloroethene	39.6	36.2	91	69-137	
n-Hexane	35.2	31.5	89	63-138	
1,1-Dichloroethane	40.5	35.4	87	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	26.3	89	72-124	
cis-1,2-Dichloroethene	39.6	32.1	81	72-121	
Chloroform	48.8	42.4	87	73-124	
Tetrahydrofuran	29.5	25.9	88	60-149	
1,1,1-Trichloroethane	54.6	46.8	86	72-127	
Cyclohexane	34.4	29.9	87	76-124	
Carbon tetrachloride	62.9	54.4	87	71-133	
2,2,4-Trimethylpentane	46.7	42.7	91	68-131	
Benzene	31.9	28.2	88	73-119	
1,2-Dichloroethane	40.5	36.4	90	68-135	
n-Heptane	41.0	37.6	92	60-142	
Trichloroethene	53.7	46.4	86	73-122	
Methyl methacrylate	40.9	36.5	89	73-129	
1,2-Dichloropropane	46.2	42.2	91	69-128	
1,4-Dioxane	36.0	30.5	85	66-129	
Bromodichloromethane	67.0	59.6	89	75-127	
cis-1,3-Dichloropropene	45.4	40.0	88	74-125	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 62652_003.D

Lab ID: LCS 200-210137/3 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	39.6	97	58-144	
Toluene	37.7	32.4	86	75-122	
trans-1,3-Dichloropropene	45.4	43.5	96	74-128	
1,1,2-Trichloroethane	54.6	48.5	89	75-126	
Tetrachloroethene	67.8	54.4	80	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	39.3	96	57-143	
Dibromochloromethane	85.2	70.5	83	73-125	
1,2-Dibromoethane	76.8	65.4	85	78-122	
Chlorobenzene	46.0	38.6	84	76-119	
Ethylbenzene	43.4	38.0	87	74-122	
m,p-Xylene	86.8	75.4	87	76-121	
o-Xylene	43.4	37.5	86	73-123	
Styrene	42.6	36.8	87	74-125	
Bromoform	103	77.4	75	53-149	
Cumene	49.1	43.3	88	73-123	
1,1,2,2-Tetrachloroethane	68.6	60.5	88	74-126	
n-Propylbenzene	49.1	43.7	89	73-127	
4-Ethyltoluene	49.2	43.8	89	75-129	
1,3,5-Trimethylbenzene	49.2	44.3	90	72-126	
2-Chlorotoluene	51.8	44.8	87	74-126	
tert-Butylbenzene	54.9	47.9	87	71-125	
1,2,4-Trimethylbenzene	49.2	43.6	89	71-129	
sec-Butylbenzene	54.9	50.3	92	70-128	
4-Isopropyltoluene	54.9	48.7	89	68-130	
1,3-Dichlorobenzene	60.1	48.7	81	69-131	
1,4-Dichlorobenzene	60.1	48.2	80	67-132	
Benzyl chloride	51.8	45.0	87	60-136	
n-Butylbenzene	54.9	49.8	91	65-137	
1,2-Dichlorobenzene	60.1	48.9	81	68-129	
1,2,4-Trichlorobenzene	74.2	62.6	84	50-150	
Hexachlorobutadiene	107	95.9	90	58-130	
Naphthalene	52.4	44.2	84	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 62676_003.D

Lab ID: LCS 200-210195/3 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	51.1	103	61-142	
Chlorodifluoromethane	35.4	35.9	102	60-147	
1,2-Dichlorotetrafluoroethane	69.9	70.1	100	71-141	
Chloromethane	20.6	20.9	101	56-141	
n-Butane	23.8	24.1	101	53-151	
Vinyl chloride	25.6	24.5	96	61-135	
1,3-Butadiene	22.1	20.1	91	58-139	
Bromomethane	38.8	39.5	102	72-124	
Chloroethane	26.4	27.1	103	68-130	
Bromoethene(Vinyl Bromide)	43.7	45.6	104	75-125	
Trichlorofluoromethane	56.2	56.2	100	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	74.1	97	70-121	
1,1-Dichloroethene	39.6	38.4	97	68-120	
Acetone	23.7	24.6	103	54-154	
Isopropyl alcohol	24.6	26.9	109	53-142	
Carbon disulfide	31.1	31.1	100	71-138	
3-Chloropropene	31.3	25.1	80	50-150	
Methylene Chloride	34.7	33.7	97	59-137	
tert-Butyl alcohol	30.3	30.3	100	66-132	
Methyl tert-butyl ether	36.0	35.4	98	70-127	
trans-1,2-Dichloroethene	39.6	38.7	98	69-137	
n-Hexane	35.2	34.2	97	63-138	
1,1-Dichloroethane	40.5	38.7	96	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	29.8	101	72-124	
cis-1,2-Dichloroethene	39.6	36.9	93	72-121	
Chloroform	48.8	47.8	98	73-124	
Tetrahydrofuran	29.5	30.2	102	60-149	
1,1,1-Trichloroethane	54.6	54.4	100	72-127	
Cyclohexane	34.4	34.4	100	76-124	
Carbon tetrachloride	62.9	64.1	102	71-133	
2,2,4-Trimethylpentane	46.7	47.0	101	68-131	
Benzene	31.9	31.7	99	73-119	
1,2-Dichloroethane	40.5	40.2	99	68-135	
n-Heptane	41.0	40.8	100	60-142	
Trichloroethene	53.7	55.8	104	73-122	
Methyl methacrylate	40.9	42.5	104	73-129	
1,2-Dichloropropane	46.2	46.3	100	69-128	
1,4-Dioxane	36.0	32.4	90	66-129	
Bromodichloromethane	67.0	67.2	100	75-127	
cis-1,3-Dichloropropene	45.4	45.8	101	74-125	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 62676_003.D

Lab ID: LCS 200-210195/3 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	42.9	105	58-144	
Toluene	37.7	37.8	100	75-122	
trans-1,3-Dichloropropene	45.4	48.9	108	74-128	
1,1,2-Trichloroethane	54.6	55.6	102	75-126	
Tetrachloroethene	67.8	69.1	102	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	42.6	104	57-143	
Dibromochloromethane	85.2	80.6	95	73-125	
1,2-Dibromoethane	76.8	77.4	101	78-122	
Chlorobenzene	46.0	46.4	101	76-119	
Ethylbenzene	43.4	43.6	100	74-122	
m,p-Xylene	86.8	87.0	100	76-121	
o-Xylene	43.4	43.6	100	73-123	
Styrene	42.6	42.8	101	74-125	
Bromoform	103	81.2	79	53-149	
Cumene	49.1	49.6	101	73-123	
1,1,2,2-Tetrachloroethane	68.6	68.1	99	74-126	
n-Propylbenzene	49.1	49.6	101	73-127	
4-Ethyltoluene	49.2	49.8	101	75-129	
1,3,5-Trimethylbenzene	49.2	49.4	100	72-126	
2-Chlorotoluene	51.8	51.6	100	74-126	
tert-Butylbenzene	54.9	55.0	100	71-125	
1,2,4-Trimethylbenzene	49.2	48.6	99	71-129	
sec-Butylbenzene	54.9	55.2	101	70-128	
4-Isopropyltoluene	54.9	54.0	98	68-130	
1,3-Dichlorobenzene	60.1	59.4	99	69-131	
1,4-Dichlorobenzene	60.1	59.9	100	67-132	
Benzyl chloride	51.8	47.1	91	60-136	
n-Butylbenzene	54.9	53.8	98	65-137	
1,2-Dichlorobenzene	60.1	58.6	97	68-129	
1,2,4-Trichlorobenzene	74.2	86.2	116	50-150	
Hexachlorobutadiene	107	116	109	58-130	
Naphthalene	52.4	54.1	103	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab File ID: 62652_004.D Lab Sample ID: MB 200-210137/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHAM.i Date Analyzed: 10/25/2024 09:41

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-210137/3	62652_003.D	10/25/2024 08:50
SV-1_10232024	200-75561-1	62652_012.D	10/25/2024 16:41
SV-2_10232024	200-75561-2	62652_018.D	10/25/2024 21:49

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab File ID: 62676_004.D Lab Sample ID: MB 200-210195/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHAN.i Date Analyzed: 10/27/2024 13:48

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-210195/3	62676_003.D	10/27/2024 12:56
SV-1_10232024 DL	200-75561-1 DL	62676_009.D	10/27/2024 18:06
SV-2_10232024 DL	200-75561-2 DL	62676_010.D	10/27/2024 18:57

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab File ID: 62526_001.D BFB Injection Date: 10/16/2024

Instrument ID: CHAM.i BFB Injection Time: 12:34

Analysis Batch No.: 209766

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.1	
75	30.0 - 66.0% of mass 95	45.1	
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	50.0 - 120.0% of mass 95	77.6	
175	4.0 - 9.0 % of mass 174	5.8	(7.4) 1
176	93.0 - 101.0% of mass 174	75.2	(97.0) 1
177	5.0 - 9.0% of mass 176	5.0	(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
	IC 200-209766/5	62526_005.D	10/16/2024	16:17
	IC 200-209766/9	62526_009.D	10/16/2024	19:41
	ICIS 200-209766/10	62526_010.D	10/16/2024	20:32
	IC 200-209766/11	62526_011.D	10/16/2024	21:23
	IC 200-209766/14	62526_014.D	10/16/2024	23:57
	IC 200-209766/16	62526_016.D	10/17/2024	1:40
	IC 200-209766/24	62526_024.D	10/17/2024	8:54
	IC 200-209766/26	62526_02e6.D	10/17/2024	10:36
	ICV 200-209766/27	62526_027.D	10/17/2024	11:38

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab File ID: 62652_001.D BFB Injection Date: 10/25/2024

Instrument ID: CHAM.i BFB Injection Time: 07:11

Analysis Batch No.: 210137

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.6	
75	30.0 - 66.0% of mass 95	48.7	
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	50.0 - 120.0% of mass 95	67.4	
175	4.0 - 9.0 % of mass 174	5.1	(7.6) 1
176	93.0 - 101.0% of mass 174	65.5	(97.1) 1
177	5.0 - 9.0% of mass 176	4.3	(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 200-210137/2	62652_002.D	10/25/2024	7:59
	LCS 200-210137/3	62652_003.D	10/25/2024	8:50
	MB 200-210137/4	62652_004.D	10/25/2024	9:41
SV-1_10232024	200-75561-1	62652_012.D	10/25/2024	16:41
SV-2_10232024	200-75561-2	62652_018.D	10/25/2024	21:49

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab File ID: 62629_002.D BFB Injection Date: 10/25/2024

Instrument ID: CHAN.i BFB Injection Time: 16:37

Analysis Batch No.: 210070

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	23.9	
75	30.0 - 66.0% of mass 95	55.4	
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	50.0 - 120.0% of mass 95	62.8	
175	4.0 - 9.0 % of mass 174	5.0	(8.0) 1
176	93.0 - 101.0% of mass 174	60.8	(96.8) 1
177	5.0 - 9.0% of mass 176	4.1	(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 200-210070/4	62629_004.D	10/25/2024	18:16
	IC 200-210070/5	62629_005.D	10/25/2024	19:07
	IC 200-210070/6	62629_006.D	10/25/2024	19:59
	ICIS 200-210070/8	62629_008.D	10/25/2024	21:44
	IC 200-210070/9	62629_009.D	10/25/2024	22:36
	IC 200-210070/12	62629_012.D	10/26/2024	1:11
	IC 200-210070/13	62629_013.D	10/26/2024	2:03
	IC 200-210070/20	62629_020a.D	10/26/2024	9:20
	ICV 200-210070/21	62629_021.D	10/26/2024	10:12

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab File ID: 62676_001.D BFB Injection Date: 10/27/2024

Instrument ID: CHAN.i BFB Injection Time: 11:17

Analysis Batch No.: 210195

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	23.8	
75	30.0 - 66.0% of mass 95	55.0	
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	50.0 - 120.0% of mass 95	63.3	
175	4.0 - 9.0 % of mass 174	5.1	(8.0) 1
176	93.0 - 101.0% of mass 174	61.2	(96.6) 1
177	5.0 - 9.0% of mass 176	4.1	(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 200-210195/2	62676_002.D	10/27/2024	12:05
	LCS 200-210195/3	62676_003.D	10/27/2024	12:56
	MB 200-210195/4	62676_004.D	10/27/2024	13:48
SV-1_10232024 DL	200-75561-1 DL	62676_009.D	10/27/2024	18:06
SV-2_10232024 DL	200-75561-2 DL	62676_010.D	10/27/2024	18:57

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Sample No.: ICIS 200-209766/10 Date Analyzed: 10/16/2024 20:32

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 62526_010.D Heated Purge: (Y/N) N

Calibration ID: 53721

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		407118	11.69	1899969	13.54	1736804	19.04
UPPER LIMIT		569965	12.02	2659957	13.87	2431526	19.37
LOWER LIMIT		244271	11.36	1139981	13.21	1042082	18.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-209766/27		396218	11.69	1849433	13.54	1674212	19.04

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Sample No.: CCVIS 200-210137/2 Date Analyzed: 10/25/2024 07:59

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 62652_002.D Heated Purge: (Y/N) N

Calibration ID: 53721

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		342070	11.68	1605298	13.54	1471964	19.04
UPPER LIMIT		478898	12.01	2247417	13.87	2060750	19.37
LOWER LIMIT		205242	11.35	963179	13.21	883178	18.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-210137/3		353429	11.68	1649189	13.54	1503896	19.04
MB 200-210137/4		337783	11.68	1593678	13.54	1423485	19.04
200-75561-1	SV-1_10232024	320194	11.68	1522780	13.54	1425840	19.04
200-75561-2	SV-2_10232024	338902	11.68	1610068	13.54	1465870	19.04

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Sample No.: ICIS 200-210070/8 Date Analyzed: 10/25/2024 21:44

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 62629_008.D Heated Purge: (Y/N) N

Calibration ID: 53786

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		713216	11.58	3544035	13.42	3158152	18.89
UPPER LIMIT		998502	11.91	4961649	13.75	4421413	19.22
LOWER LIMIT		427930	11.25	2126421	13.09	1894891	18.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-210070/21		666761	11.58	3288261	13.42	2927215	18.89

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Sample No.: CCVIS 200-210195/2 Date Analyzed: 10/27/2024 12:05

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 62676_002.D Heated Purge: (Y/N) N

Calibration ID: 53786

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		665611	11.57	3329213	13.42	2925552	18.89
UPPER LIMIT		931855	11.90	4660898	13.75	4095773	19.22
LOWER LIMIT		399367	11.24	1997528	13.09	1755331	18.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-210195/3		687220	11.58	3365514	13.42	2999313	18.89
MB 200-210195/4		681444	11.58	3428193	13.42	2978192	18.88
200-75561-1 DL	SV-1_10232024 DL	636299	11.58	3184435	13.42	2809946	18.88
200-75561-2 DL	SV-2_10232024 DL	636180	11.58	3167261	13.42	2821108	18.89

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-1_10232024 | Lab Sample ID: 200-75561-1

Matrix: Air | Lab File ID: 62652_012.D

Analysis Method: TO-15 | Date Collected: 10/23/2024 13:05

Sample wt/vol: 200(mL) | Date Analyzed: 10/25/2024 16:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 210137 | Units: ug/m3

Preparation Batch No.: | Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.4	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	3.0		1.0	0.31
106-97-8	n-Butane	58.12	15		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.41	J	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	*Acetone*	*58.08*	*340*	*E*	*12*	*3.8*
67-63-0	Isopropyl alcohol	60.10	43		12	3.9
75-15-0	Carbon disulfide	76.14	3.8		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	0.75	J	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	8.9	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	5.6		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	54		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.70		0.20	0.083
67-66-3	Chloroform	119.38	2.5		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	0.49	J	1.1	0.24
110-82-7	Cyclohexane	84.16	4.0		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.18	J	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-1_10232024 Lab Sample ID: 200-75561-1

Matrix: Air Lab File ID: 62652_012.D

Analysis Method: TO-15 Date Collected: 10/23/2024 13:05

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 16:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	36		0.93	0.18
71-43-2	Benzene	78.11	3.7		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.73	J	0.81	0.38
142-82-5	n-Heptane	100.21	14		0.82	0.23
79-01-6	Trichloroethene	131.39	0.35		0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	5.0	J	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	6.9		2.0	0.53
108-88-3	Toluene	92.14	24		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	3.0		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.1	J	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	2.7		0.87	0.30
179601-23-1	m,p-Xylene	106.17	7.7		2.2	0.41
95-47-6	o-Xylene	106.17	3.4		0.87	0.27
100-42-5	Styrene	104.15	1.1		0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.50	J	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.59	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.75	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-1_10232024 Lab Sample ID: 200-75561-1

Matrix: Air Lab File ID: 62652_012.D

Analysis Method: TO-15 Date Collected: 10/23/2024 13:05

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 16:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	3.6		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.4		2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-1_10232024 | Lab Sample ID: 200-75561-1

Matrix: Air | Lab File ID: 62652_012.D

Analysis Method: TO-15 | Date Collected: 10/23/2024 13:05

Sample wt/vol: 200(mL) | Date Analyzed: 10/25/2024 16:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 210137 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.48	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.38	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	1.5		0.50	0.15
106-97-8	n-Butane	58.12	6.2		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.19	J	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.21		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	*Acetone*	*58.08*	*140*	*E*	*5.0*	*1.6*
67-63-0	Isopropyl alcohol	60.10	18		5.0	1.6
75-15-0	Carbon disulfide	76.14	1.2		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.22	J	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	3.0	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	1.6		0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	18		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.18		0.050	0.021
67-66-3	Chloroform	119.38	0.52		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.090	J	0.20	0.044
110-82-7	Cyclohexane	84.16	1.2		0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.028	J	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-1_10232024 Lab Sample ID: 200-75561-1

Matrix: Air Lab File ID: 62652_012.D

Analysis Method: TO-15 Date Collected: 10/23/2024 13:05

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 16:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	7.7		0.20	0.038
71-43-2	Benzene	78.11	1.2		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.18	J	0.20	0.093
142-82-5	n-Heptane	100.21	3.5		0.20	0.055
79-01-6	Trichloroethene	131.39	0.065		0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	1.4	J	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	1.7		0.50	0.13
108-88-3	Toluene	92.14	6.3		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.44		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.28	J	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.62		0.20	0.069
179601-23-1	m,p-Xylene	106.17	1.8		0.50	0.095
95-47-6	o-Xylene	106.17	0.79		0.20	0.063
100-42-5	Styrene	104.15	0.25		0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.10	J	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.12	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.15	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20		0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-1_10232024 Lab Sample ID: 200-75561-1

Matrix: Air Lab File ID: 62652_012.D

Analysis Method: TO-15 Date Collected: 10/23/2024 13:05

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 16:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.72		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.46		0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D
Lims ID: 200-75561-A-1
Client ID: SV-1_10232024
Sample Type: Client
Inject. Date: 25-Oct-2024 16:41:29 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062652-012
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 07:38:41 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 28-Oct-2024 07:38:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.380	4.380	0.000	99	41193	0.4777	
3 Chlorodifluoromethane	51	4.433	4.433	0.000	96	16467	0.3845	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.760	4.754	0.006	1	1499	0.0162	7M
5 Chloromethane	50	4.883	4.883	0.000	98	34597	1.47	
7 Butane	43	5.188	5.188	0.000	99	317793	6.16	
6 Vinyl chloride	62		5.188				ND	7
8 Butadiene	54	5.305	5.305	0.000	90	5940	0.1857	
9 Bromomethane	94		6.054				ND	
10 Chloroethane	64		6.332				ND	MU
13 Vinyl bromide	106		6.766				ND	
14 Trichlorofluoromethane	101	6.932	6.926	0.006	99	21374	0.2091	
20 1,1-Dichloroethene	96		8.012				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.050				ND	MU
22 Acetone	43	8.098	8.109	-0.011	97	7845653	144.6	E
23 Isopropyl alcohol	45	8.413	8.413	0.000	100	941315	17.6	
24 Carbon disulfide	76	8.419	8.419	0.000	99	142979	1.21	
26 3-Chloro-1-propene	41		8.729				ND	MU
27 Methylene Chloride	49	8.975	8.959	0.005	36	9540	0.2171	
28 2-Methyl-2-propanol	59	9.205	9.200	0.005	98	233501	2.95	
30 trans-1,2-Dichloroethene	61		9.462				ND	
31 Methyl tert-butyl ether	73	9.457	9.467	-0.010	82	2991	0.0256	
32 Hexane	57	9.976	9.976	0.000	93	98808	1.58	
33 1,1-Dichloroethane	63		10.254				ND	7
36 2-Butanone (MEK)	72	11.238	11.243	-0.006	99	388346	18.3	
37 cis-1,2-Dichloroethene	96	11.270	11.265	0.005	90	8748	0.1773	
* 39 Chlorobromomethane	128	11.682	11.682	0.000	92	320194	10.0	
40 Tetrahydrofuran	42	11.725	11.714	0.011	50	9411	0.2160	
41 Chloroform	83	11.869	11.864	0.005	94	49047	0.5194	
42 1,1,1-Trichloroethane	97	12.164	12.153	0.000	97	8559	0.0901	
43 Cyclohexane	84	12.297	12.292	0.005	96	67706	1.15	
44 Carbon tetrachloride	117	12.436	12.436	-0.001	95	2678	0.0279	
45 Benzene	78	12.795	12.795	0.000	96	161148	1.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 1,2-Dichloroethane	62	12.886	12.880	0.005	91	10799	0.1793	
47 Isooctane	57	12.998	12.998	0.000	99	1558512	7.70	
48 n-Heptane	43	13.314	13.319	0.005	94	246301	3.53	
* 49 1,4-Difluorobenzene	114	13.539	13.539	0.000	95	1522780	10.0	
51 Trichloroethene	95	13.972	13.972	0.000	91	4203	0.0651	
53 1,2-Dichloropropane	63		14.437				ND	MU
54 Methyl methacrylate	69		14.518				ND	MU
55 1,4-Dioxane	88	14.582	14.566	0.016	94	39333	1.40	
58 Dichlorobromomethane	83		14.913				ND	MU
59 cis-1,3-Dichloropropene	75		15.716				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.989	15.983	0.006	97	149212	1.67	
62 Toluene	92	16.353	16.352	0.006	93	640631	6.34	
66 trans-1,3-Dichloropropene	75		16.775				ND	MU
67 1,1,2-Trichloroethane	83		17.155				ND	MU
68 Tetrachloroethene	166	17.337	17.342	0.000	95	36911	0.4386	
69 2-Hexanone	43	17.572	17.572	0.005	87	24308	0.2783	Ma
70 Chlorodibromomethane	129		17.893				ND	
71 Ethylene Dibromide	107		18.129				ND	
* 73 Chlorobenzene-d5	117	19.043	19.038	0.005	88	1425840	10.0	
74 Chlorobenzene	112		19.102				ND	MU
75 Ethylbenzene	91	19.284	19.290	0.000	97	137494	0.6157	
76 m-Xylene & p-Xylene	106	19.536	19.557	-0.016	0	150610	1.77	
78 o-Xylene	106	20.317	20.322	0.000	99	64322	0.7851	
79 Styrene	104	20.354	20.360	0.000	96	34157	0.2543	
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105	20.985	20.991	0.000	94	24808	0.1024	
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	MU
85 N-Propylbenzene	91	21.686	21.692	0.000	99	35929	0.1210	
86 2-Chlorotoluene	91		21.836				ND	MU
87 4-Ethyltoluene	105	21.879	21.885	0.000	99	36307	0.1521	
88 1,3,5-Trimethylbenzene	105	21.970	21.976	0.000	91	41397	0.2047	
91 tert-Butylbenzene	119		22.446				ND	MU
92 1,2,4-Trimethylbenzene	105	22.537	22.538	0.005	92	147672	0.7244	
93 sec-Butylbenzene	105		22.767				ND	MU
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119	22.981	22.982	0.005	95	11516	0.0471	
96 1,4-Dichlorobenzene	146	23.083	23.089	0.000	93	4177	0.0284	
97 Benzyl chloride	91		23.232				ND	MU
98 n-Butylbenzene	91		23.543				ND	MU
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.581	26.589	0.000	99	99875	0.4630	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

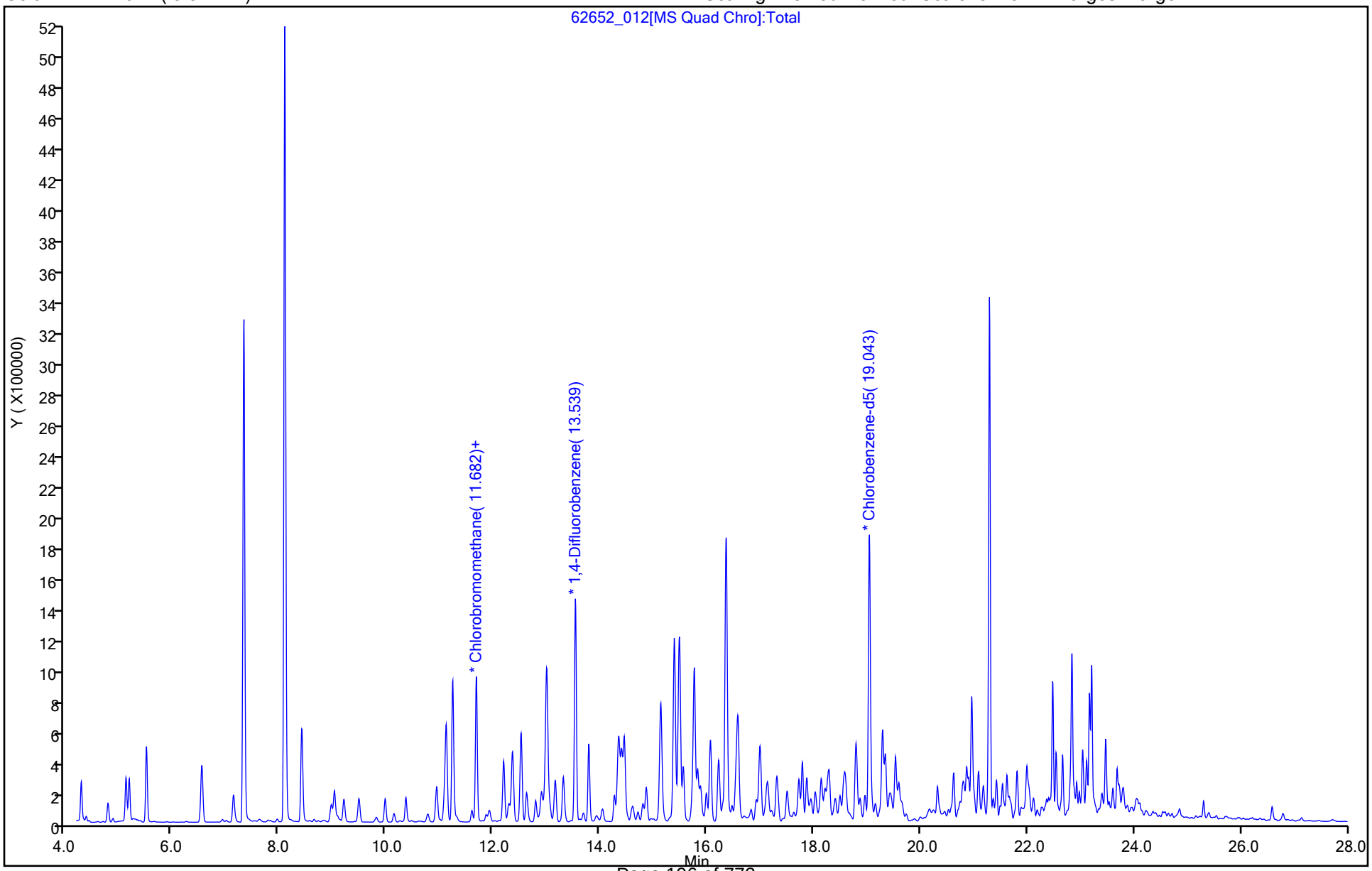
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1	Worklist Smp#:	12
Client ID:	SV-1_10232024				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



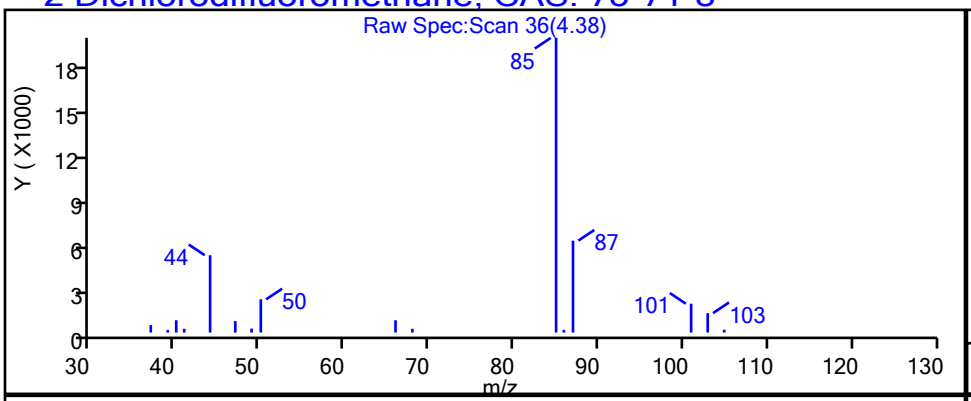
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

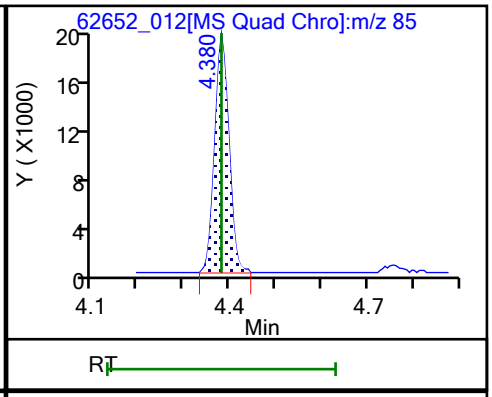
Eurofins Burlington

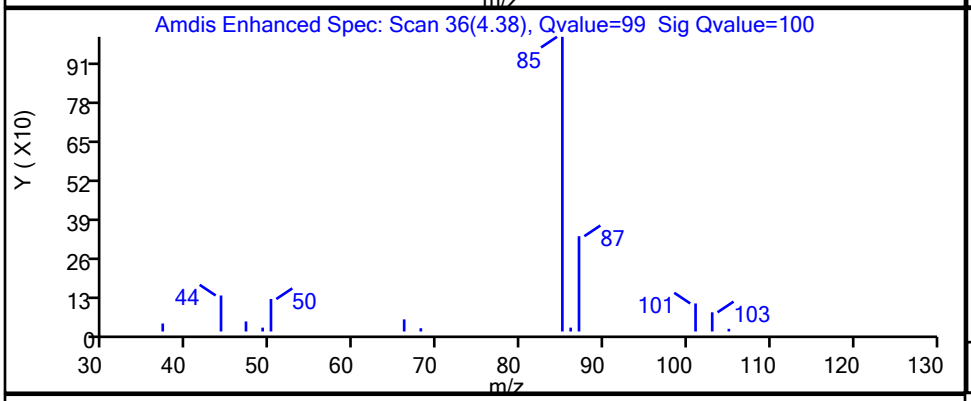
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

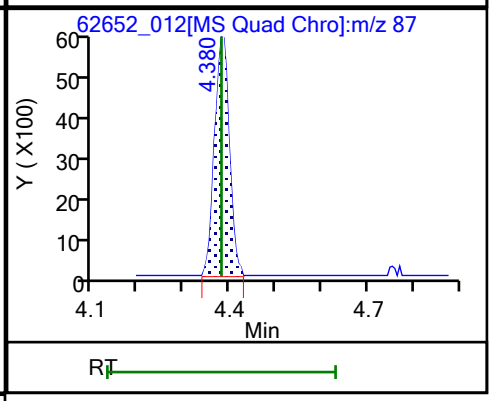
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

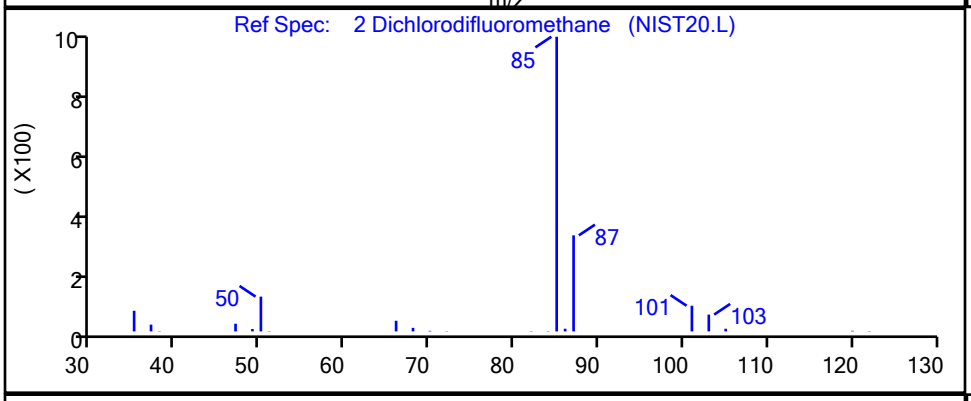
2 Dichlorodifluoromethane, CAS: 75-71-8

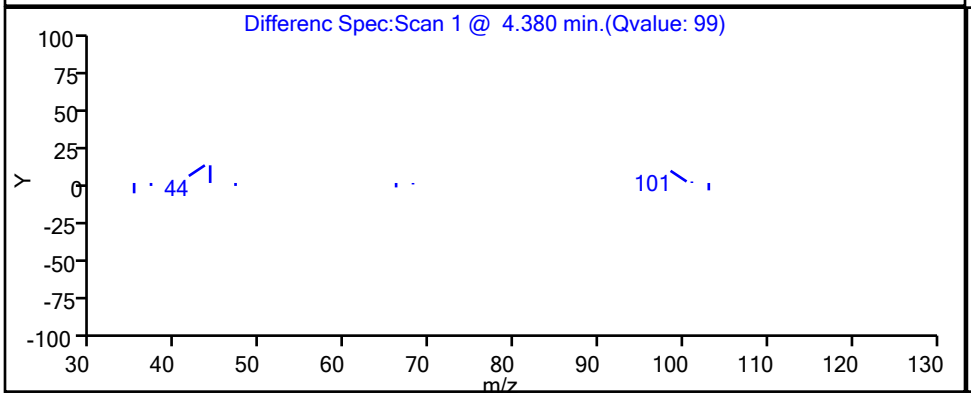


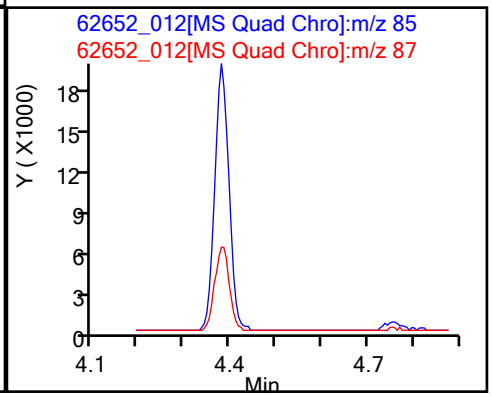












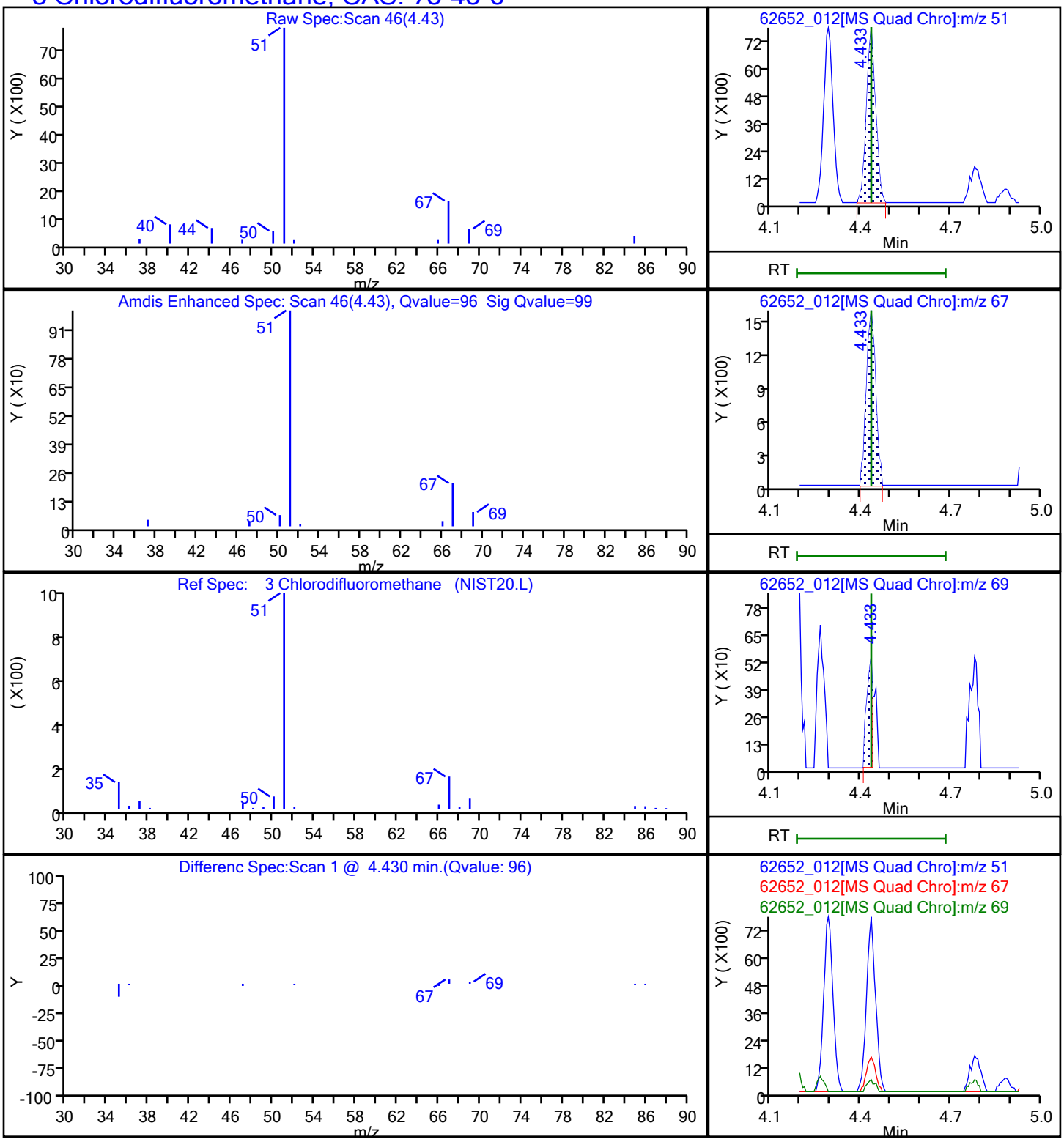
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



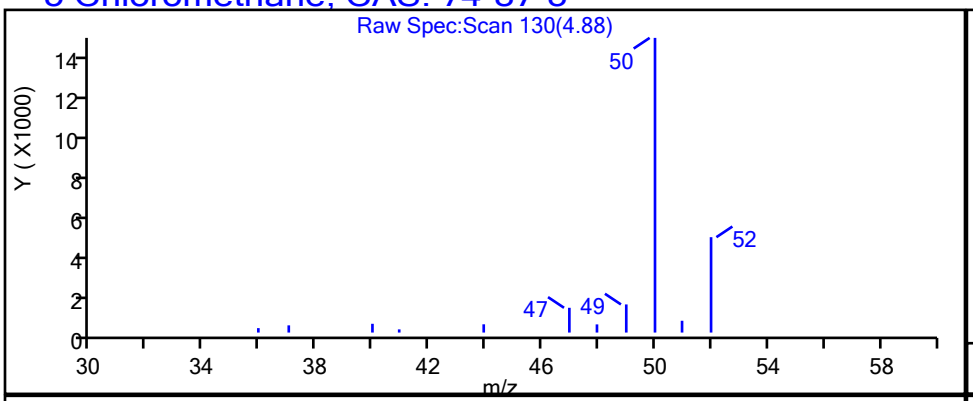
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

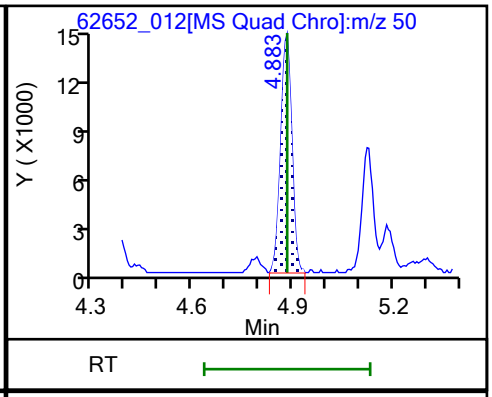
Eurofins Burlington

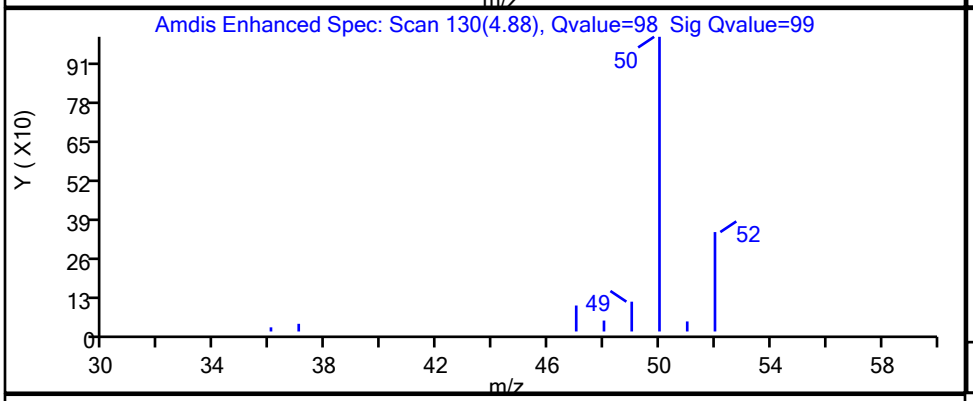
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

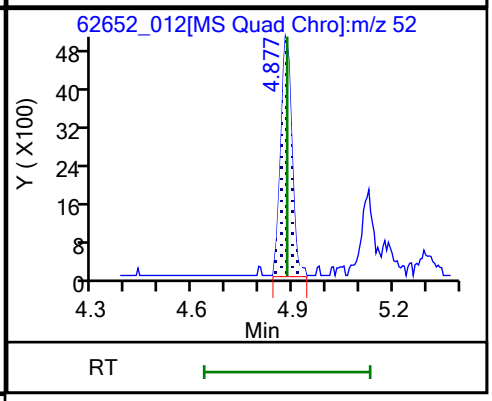
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

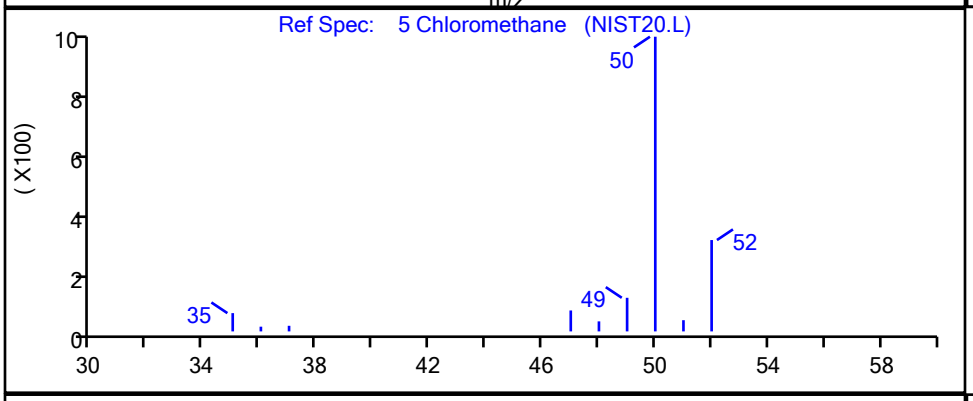
5 Chloromethane, CAS: 74-87-3

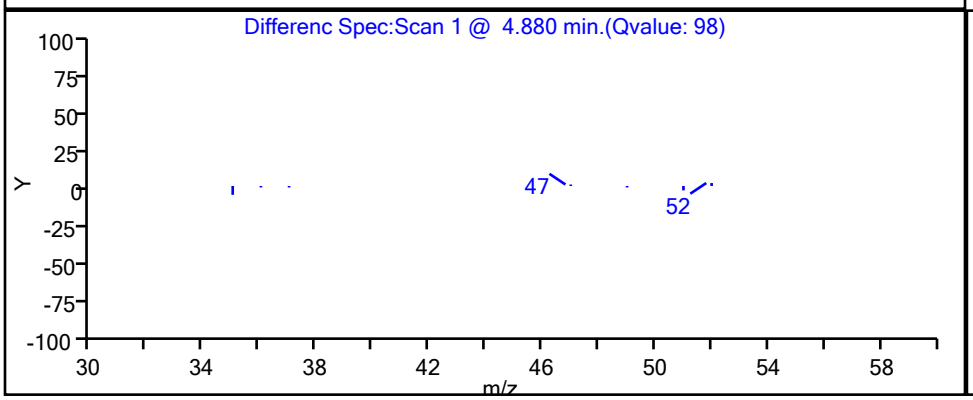


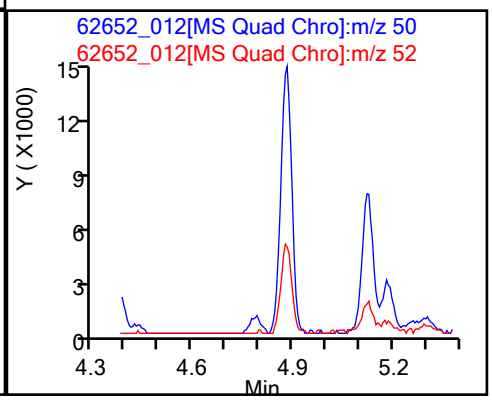












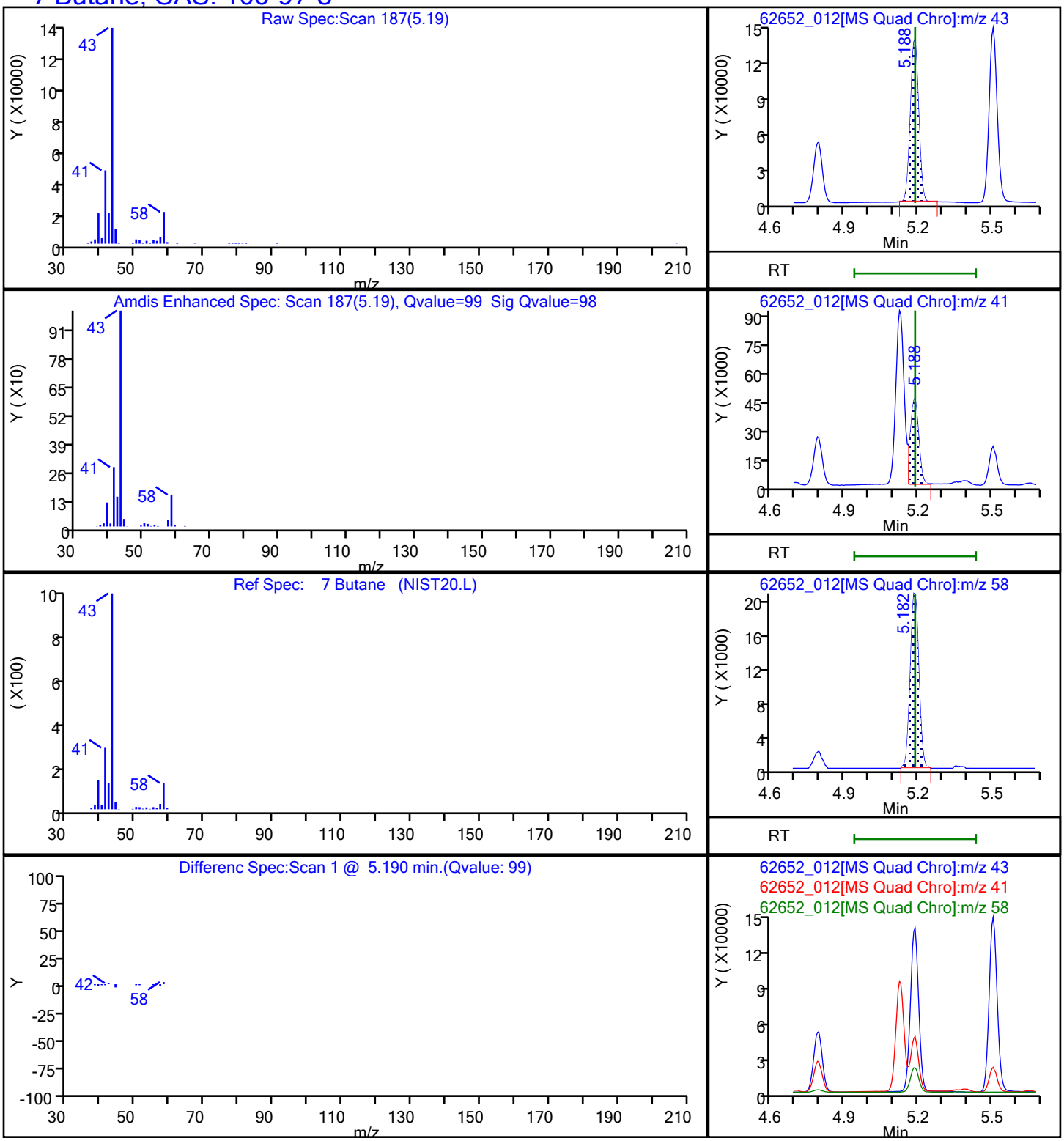
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8

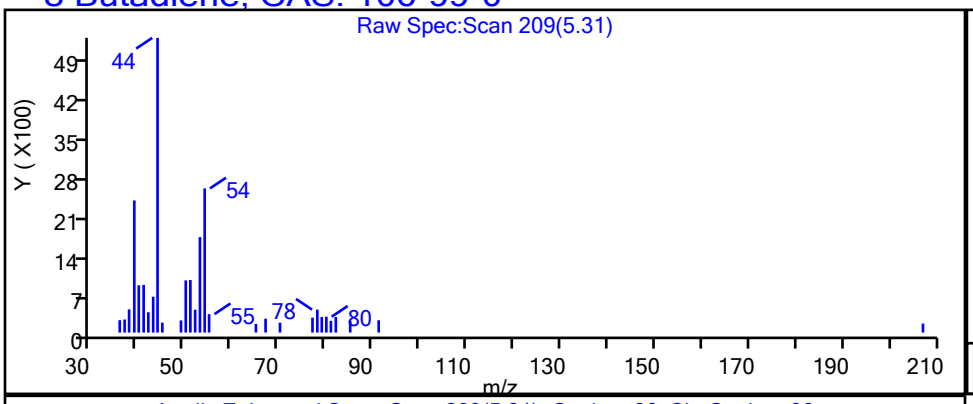


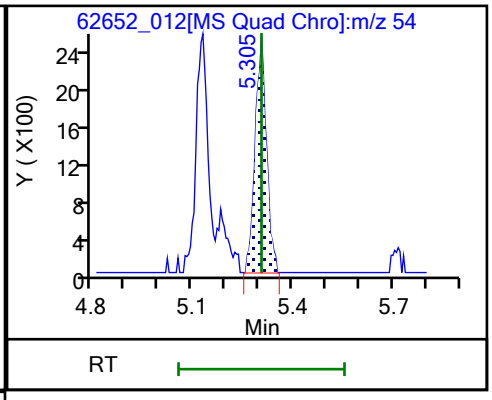
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

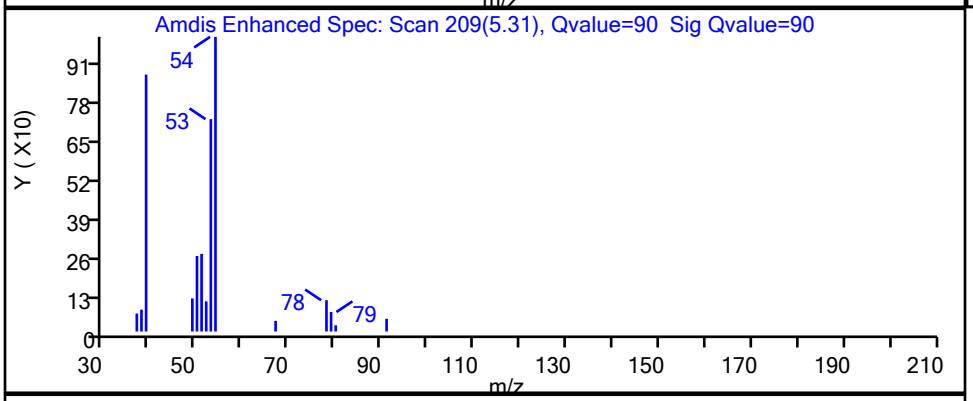
Eurofins Burlington

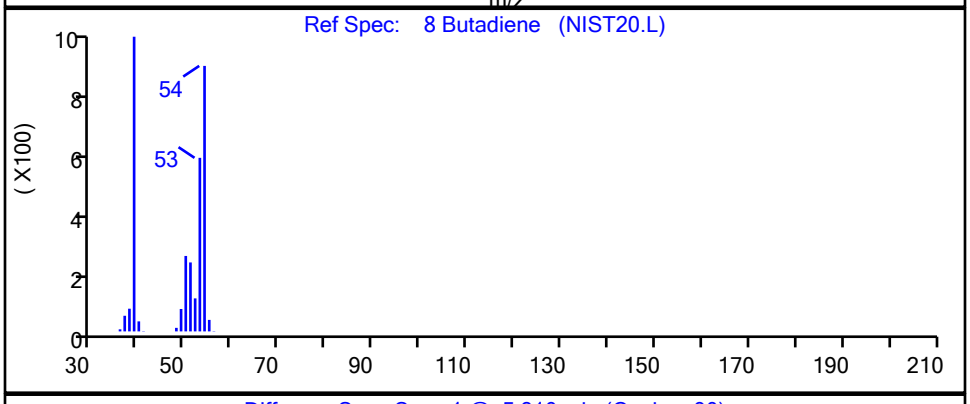
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

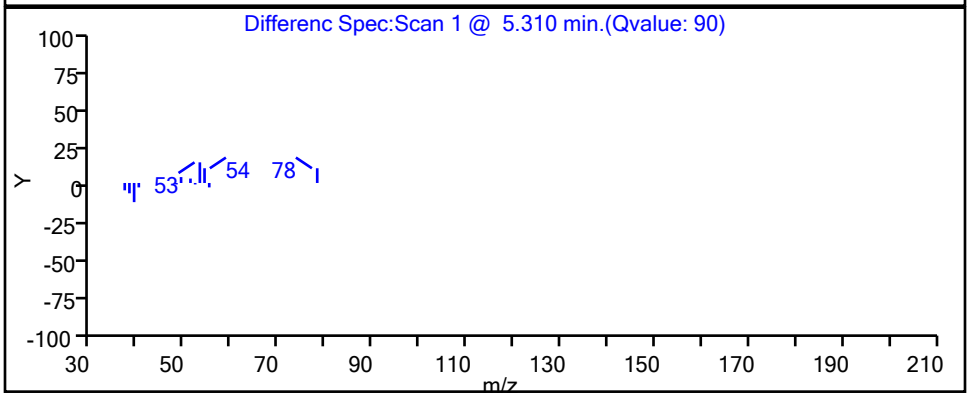
8 Butadiene, CAS: 106-99-0











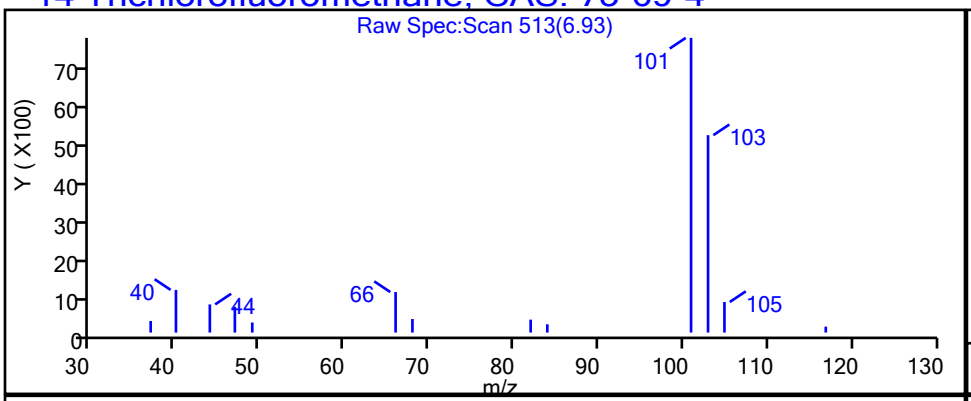
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

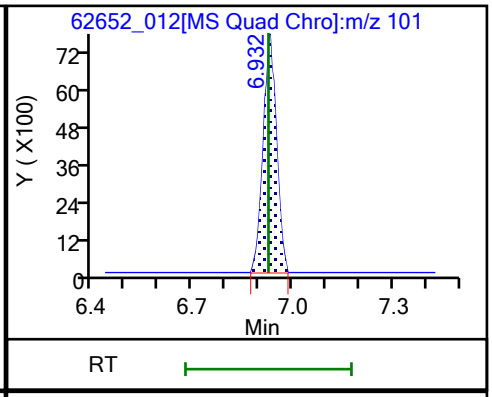
Eurofins Burlington

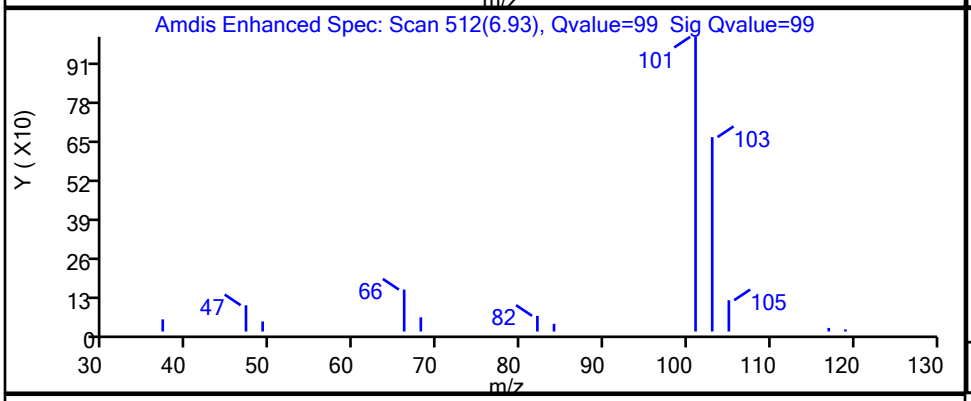
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

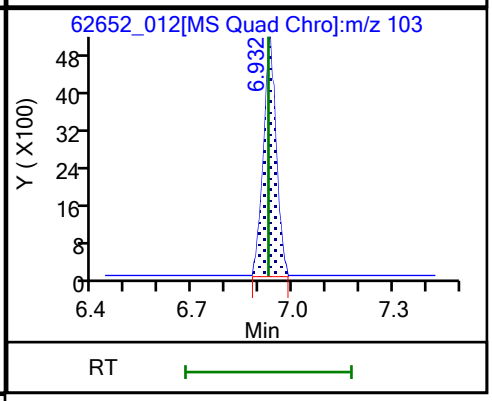
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

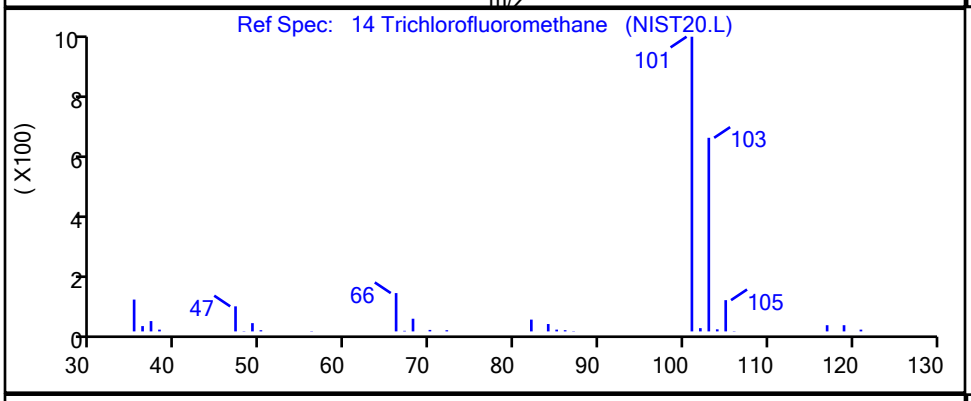
14 Trichlorofluoromethane, CAS: 75-69-4

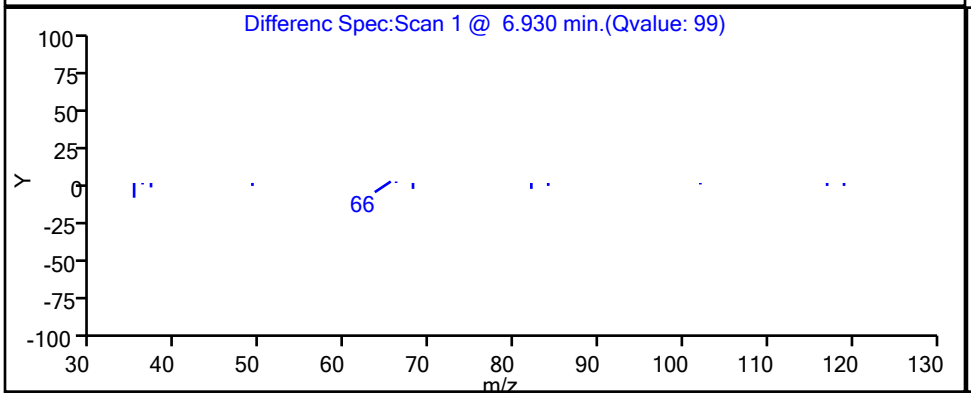


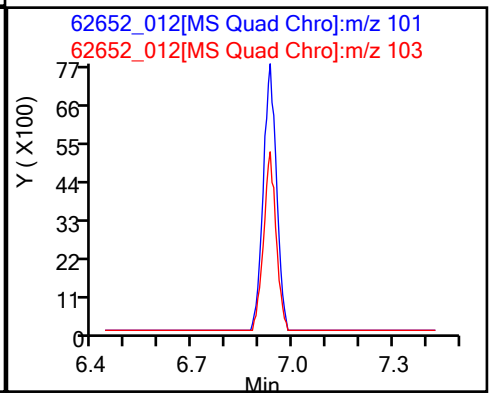












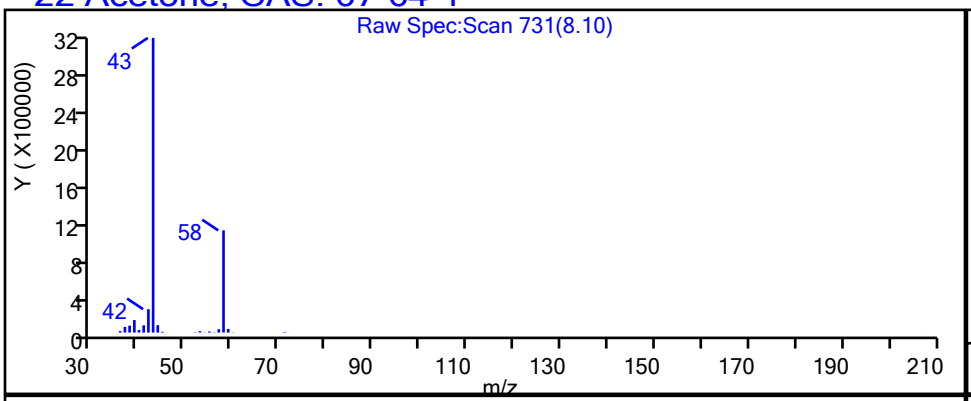
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

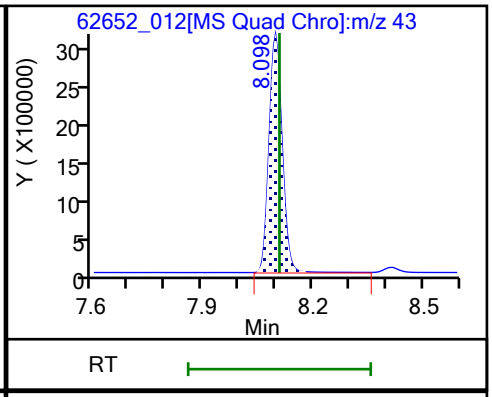
Eurofins Burlington

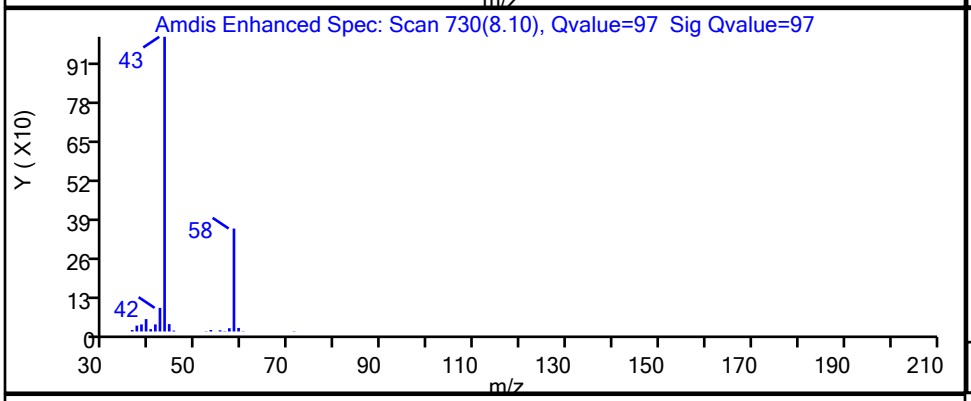
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

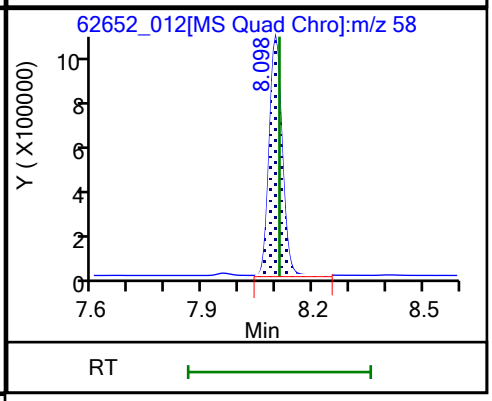
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

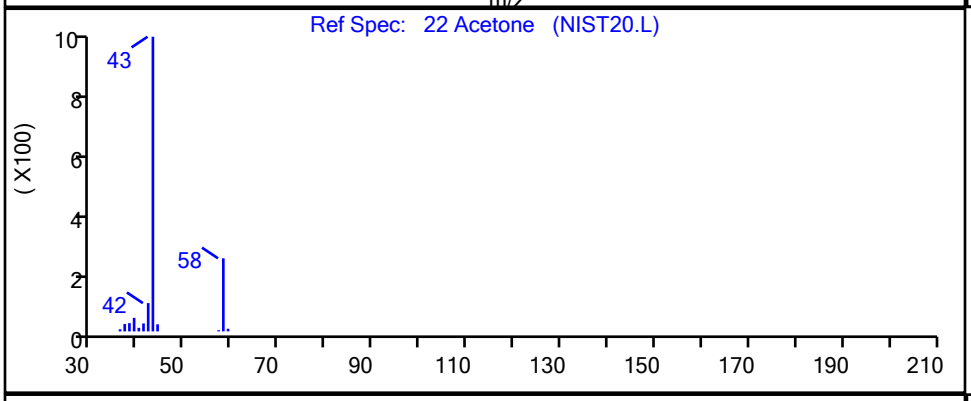
22 Acetone, CAS: 67-64-1

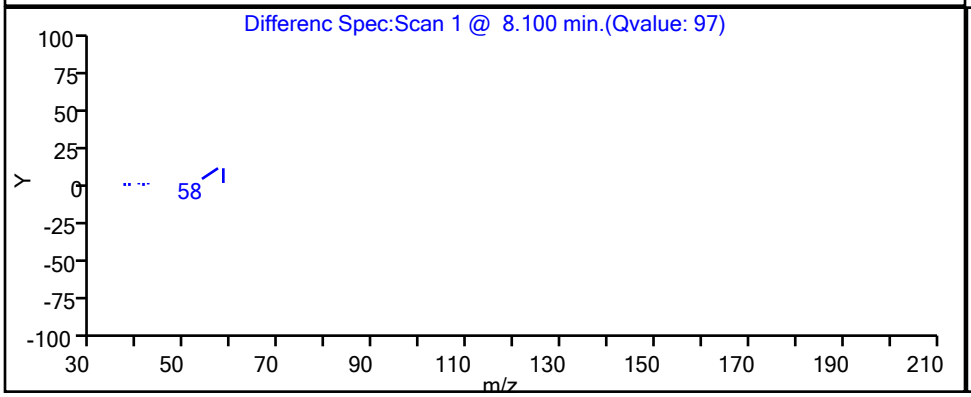


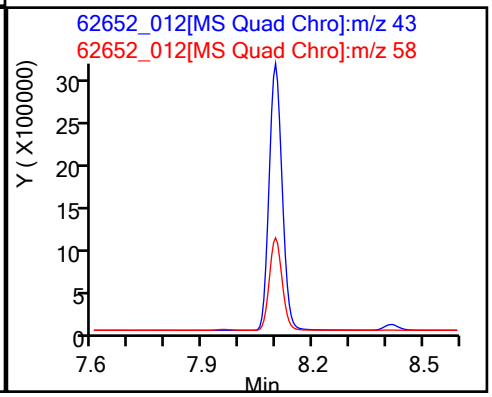












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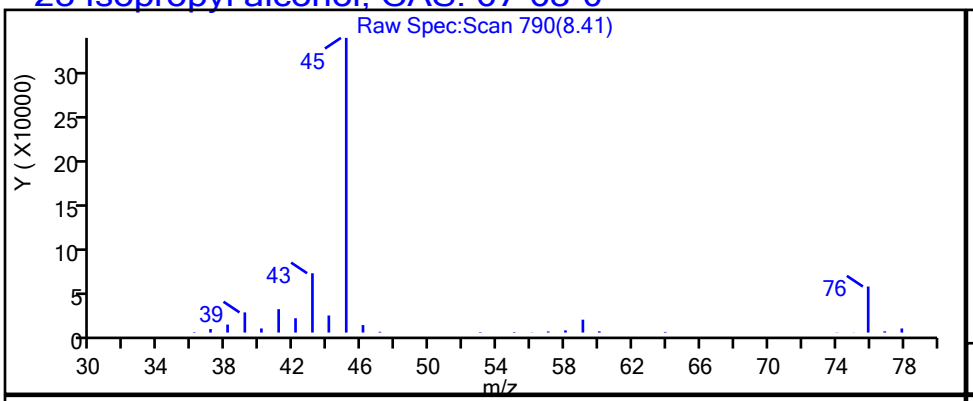
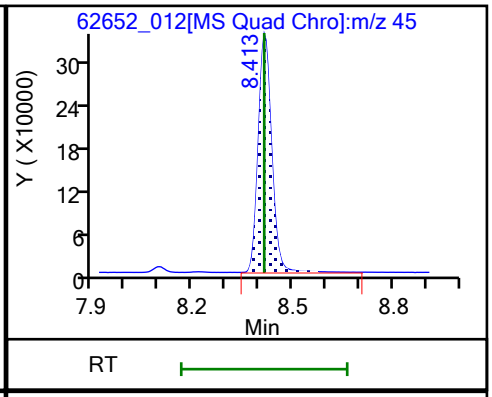
Eurofins Burlington

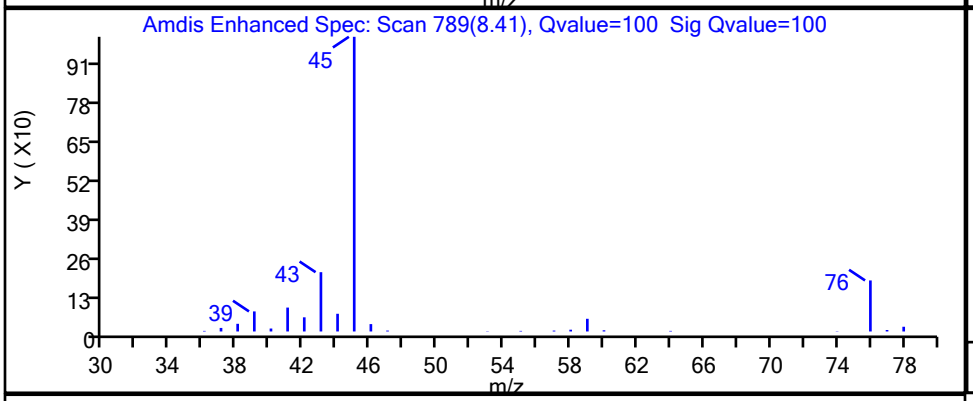
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

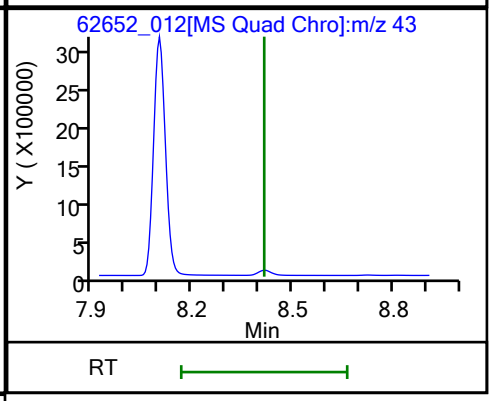
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

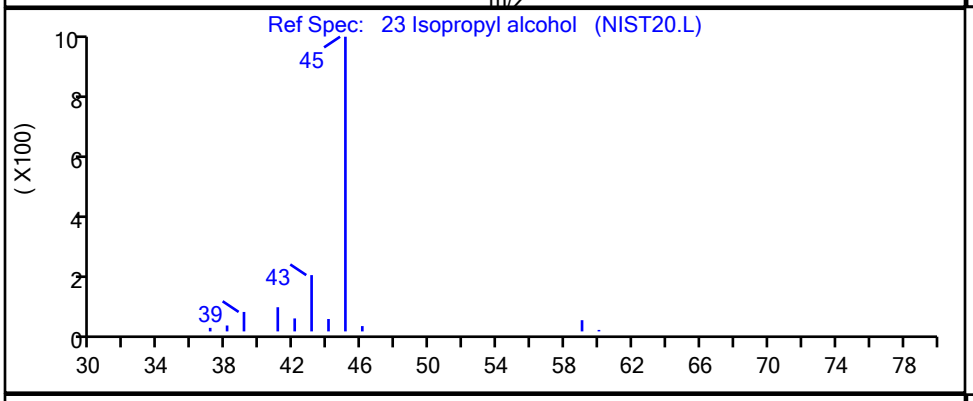
23 Isopropyl alcohol, CAS: 67-63-0

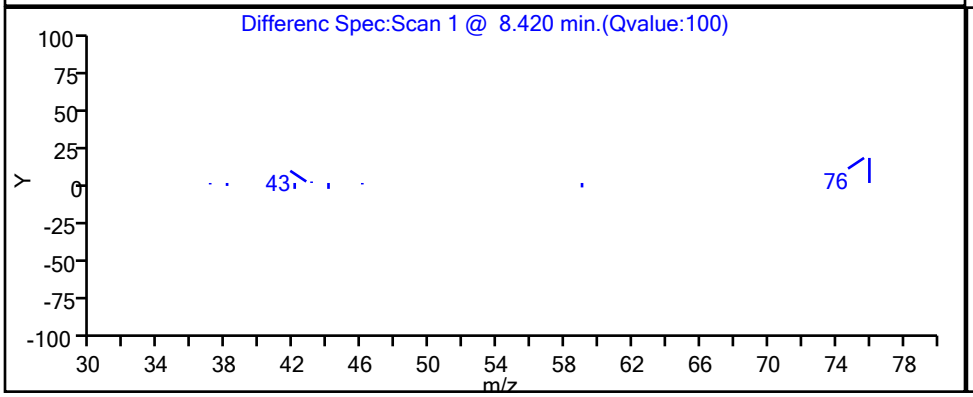


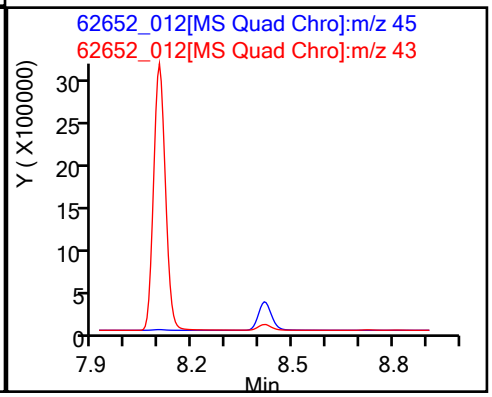












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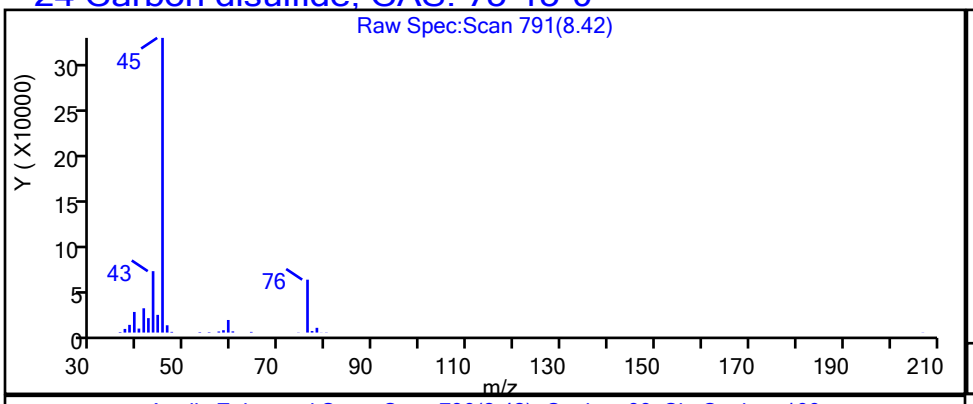
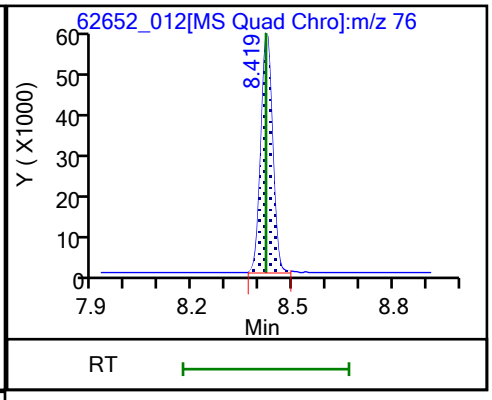
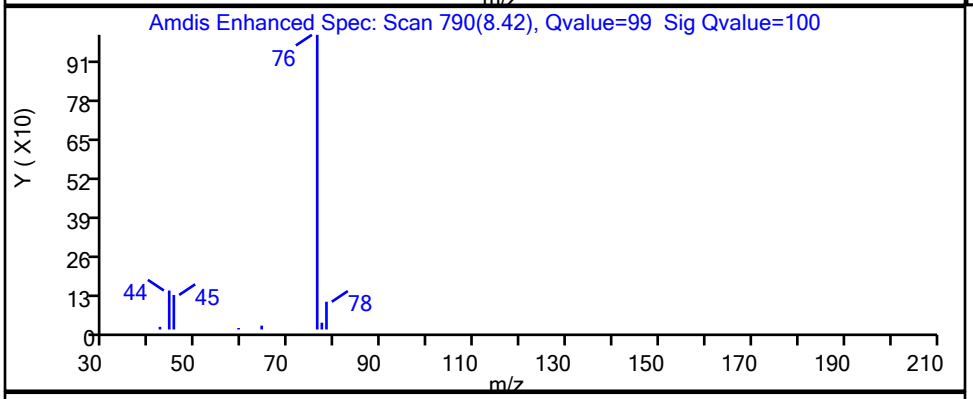
Eurofins Burlington

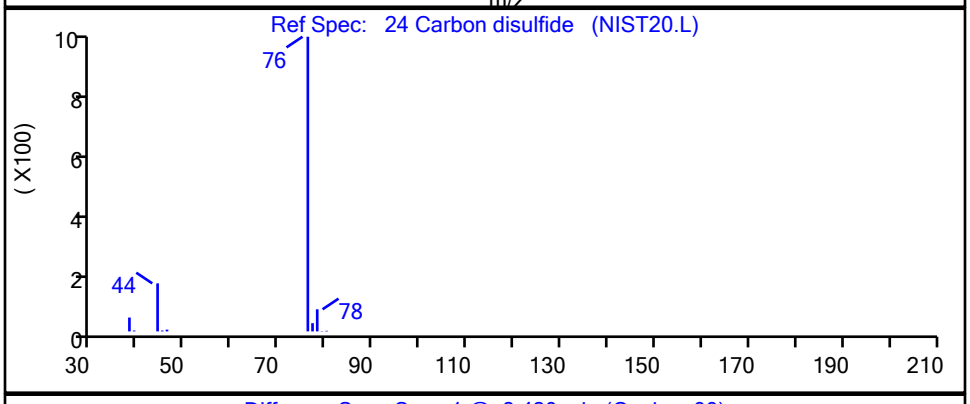
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

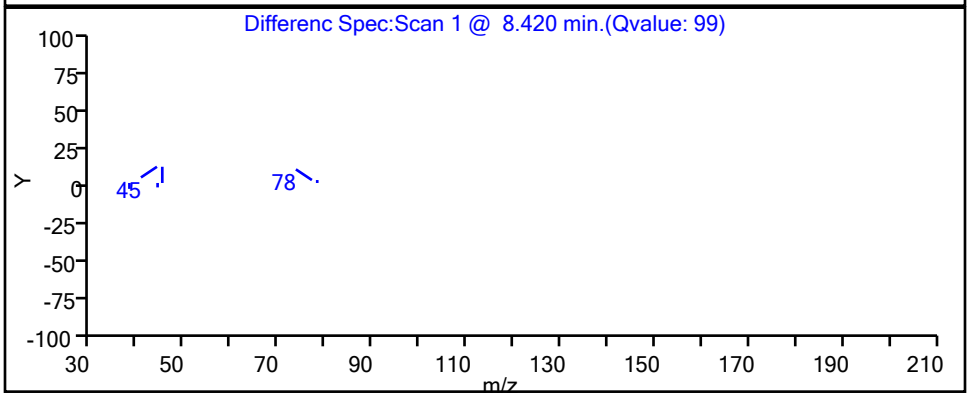
24 Carbon disulfide, CAS: 75-15-0











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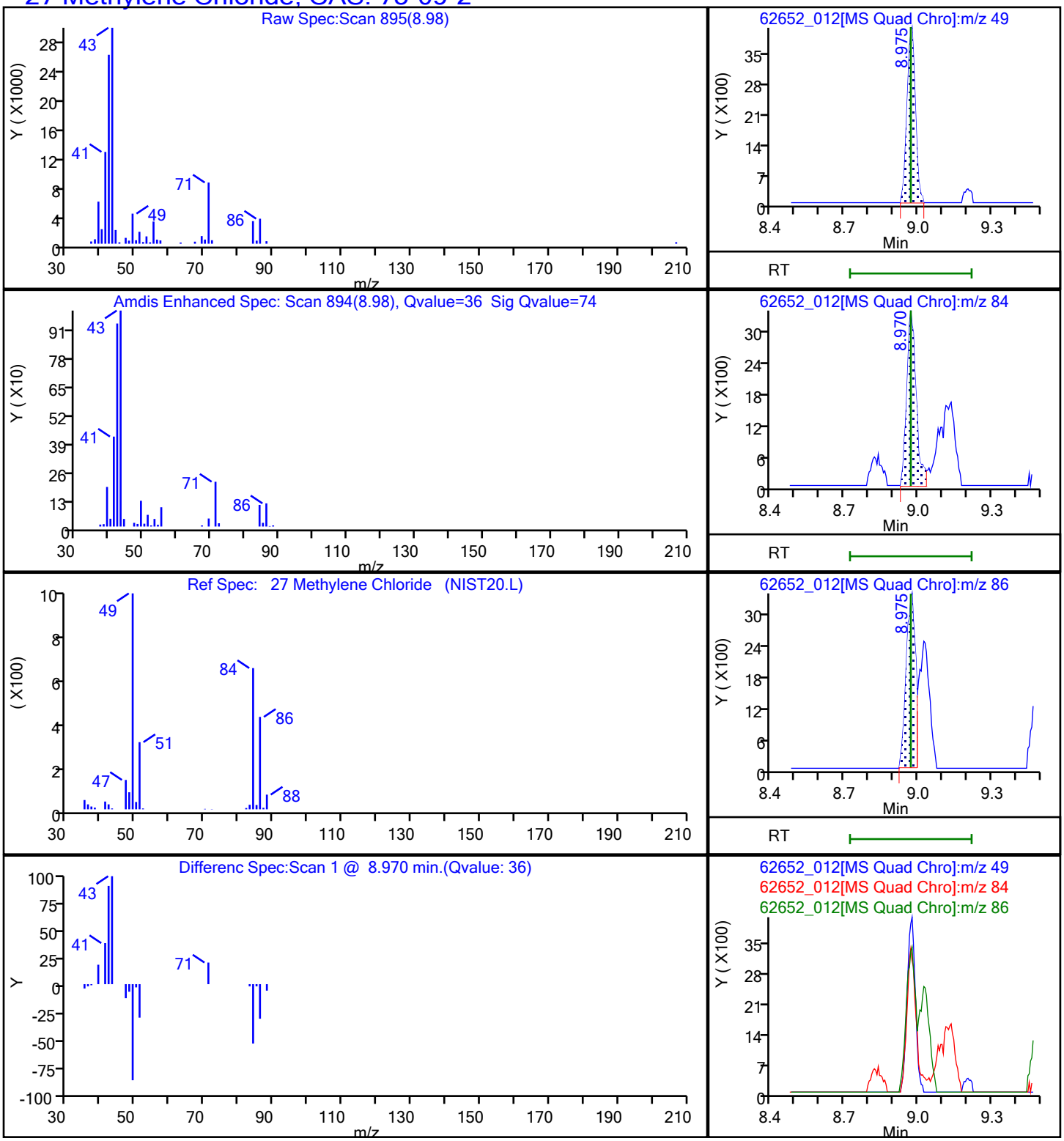
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2



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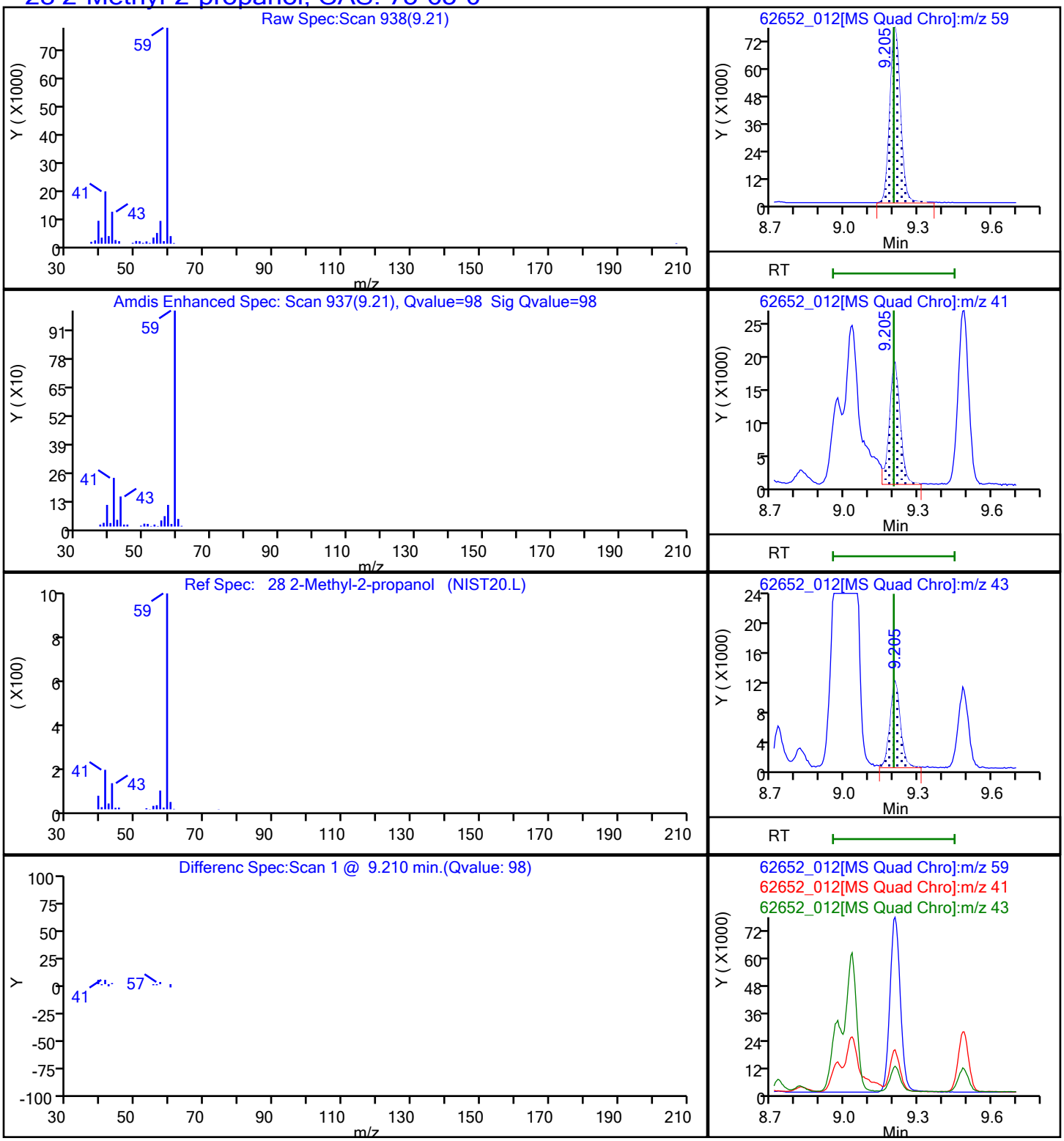
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



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Eurofins Burlington

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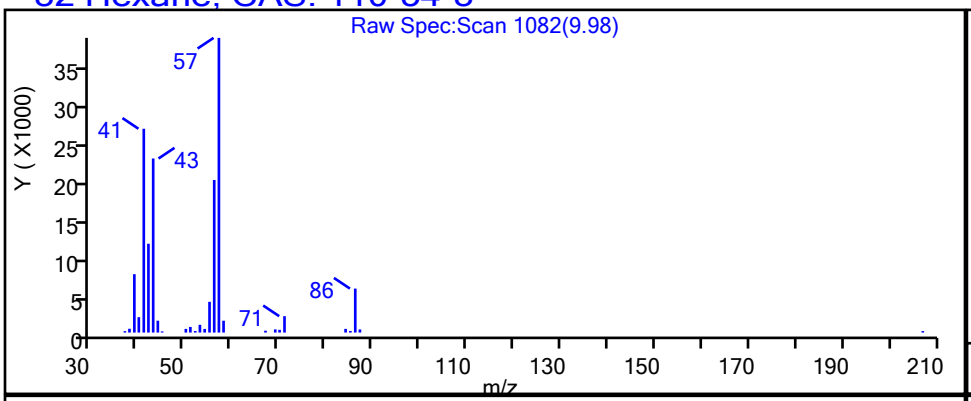
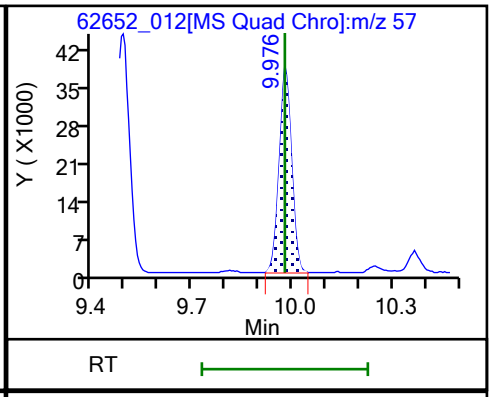
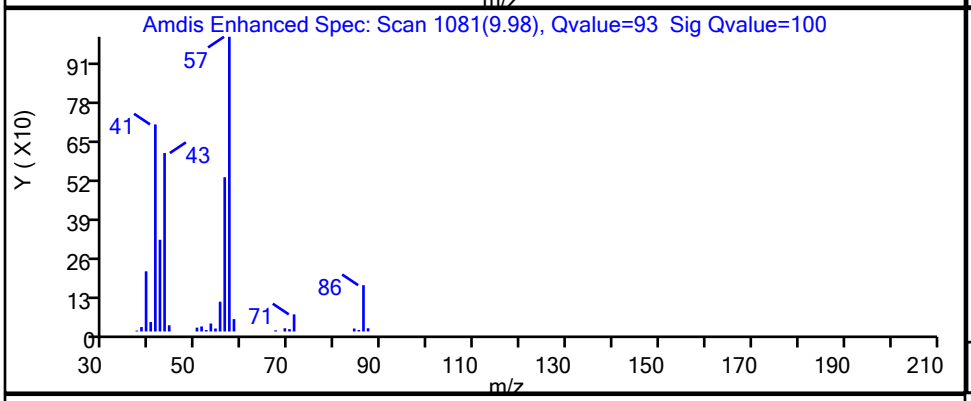
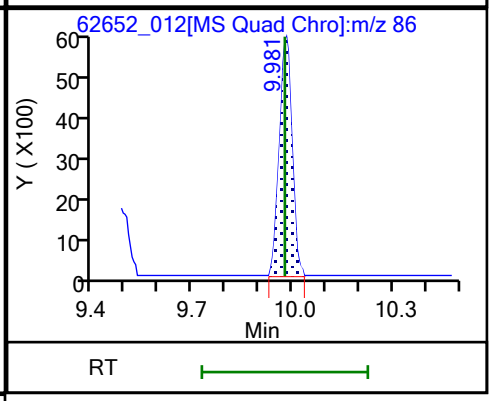
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

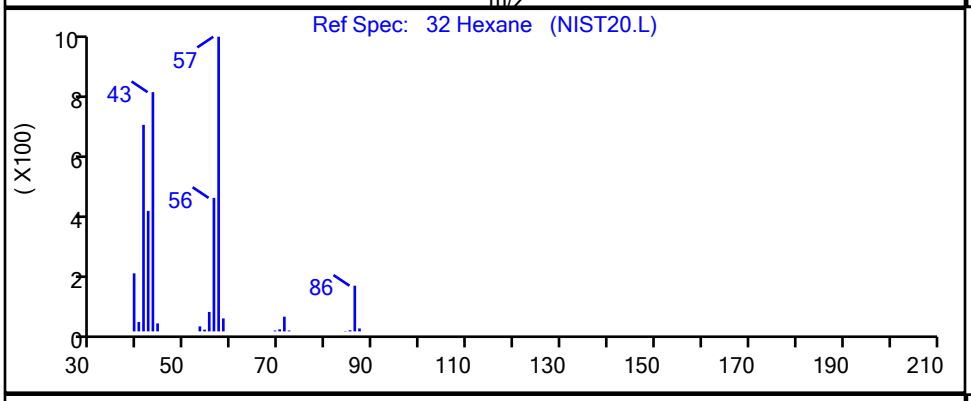
32 Hexane, CAS: 110-54-3

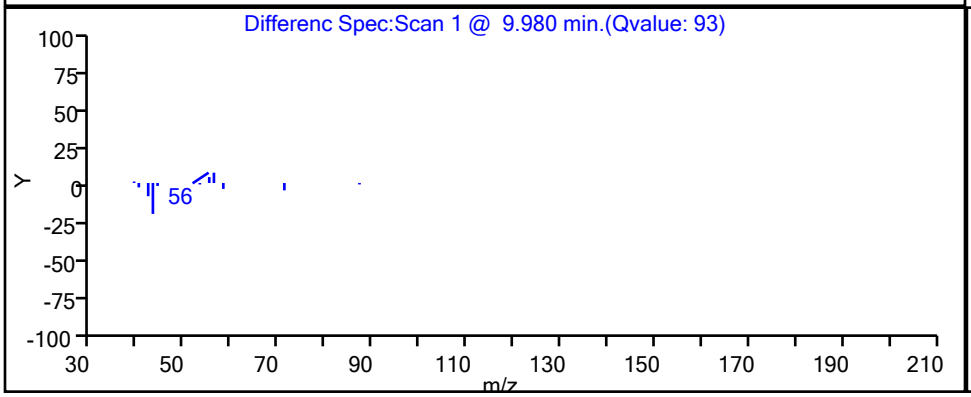


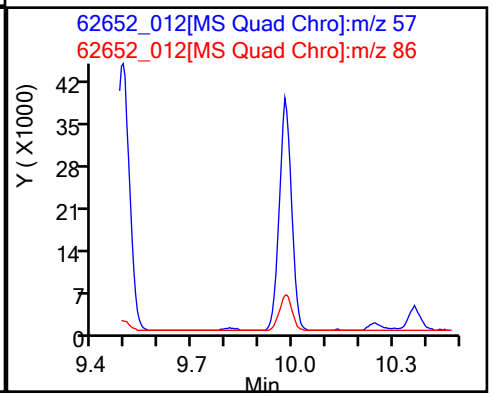












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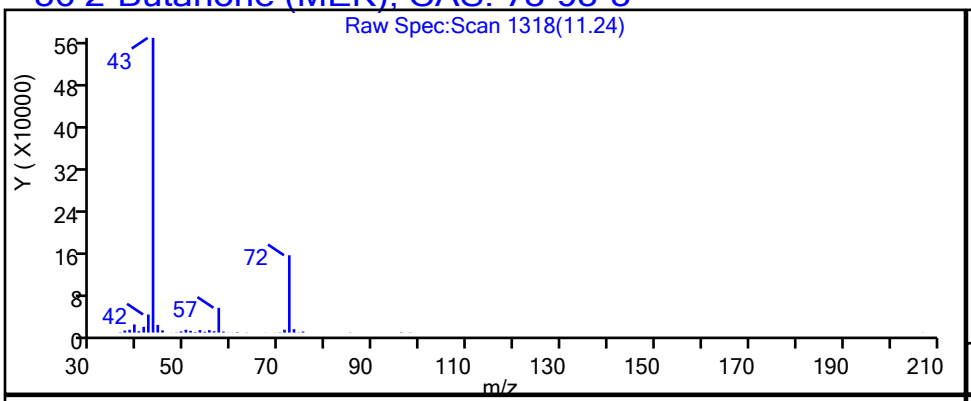
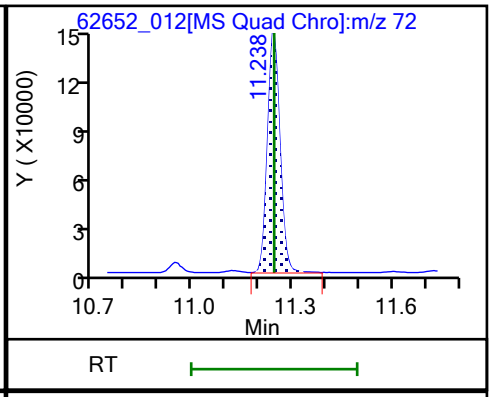
Eurofins Burlington

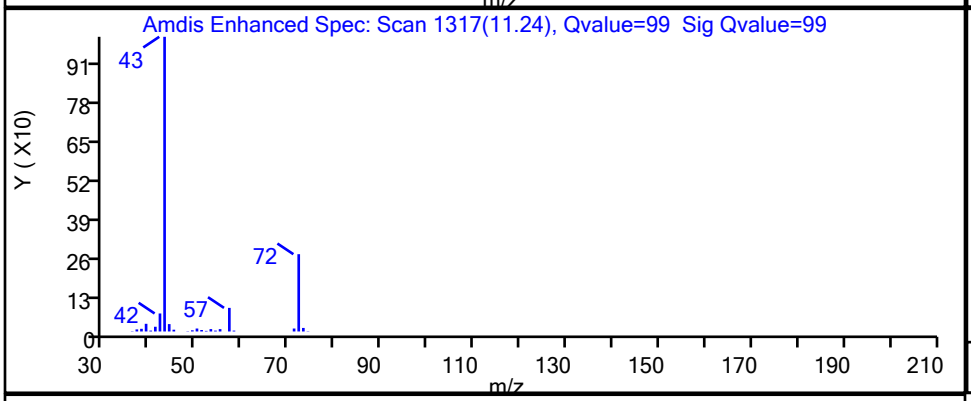
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

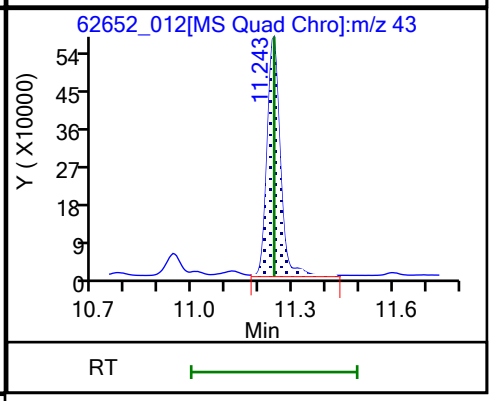
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

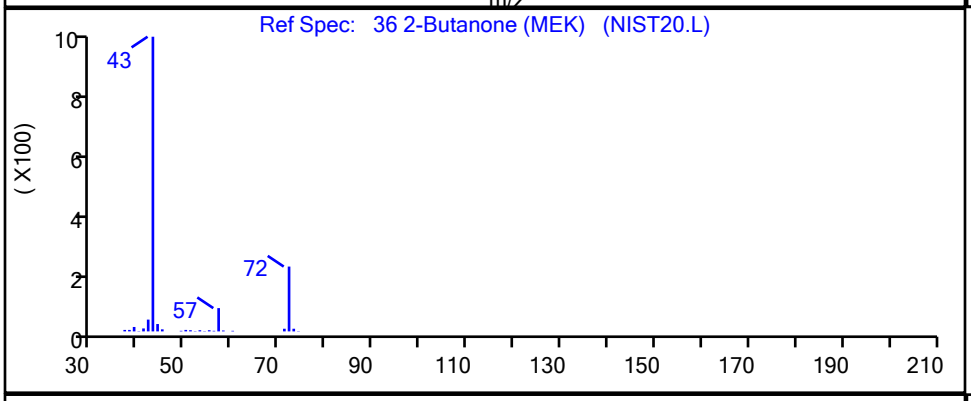
36 2-Butanone (MEK), CAS: 78-93-3

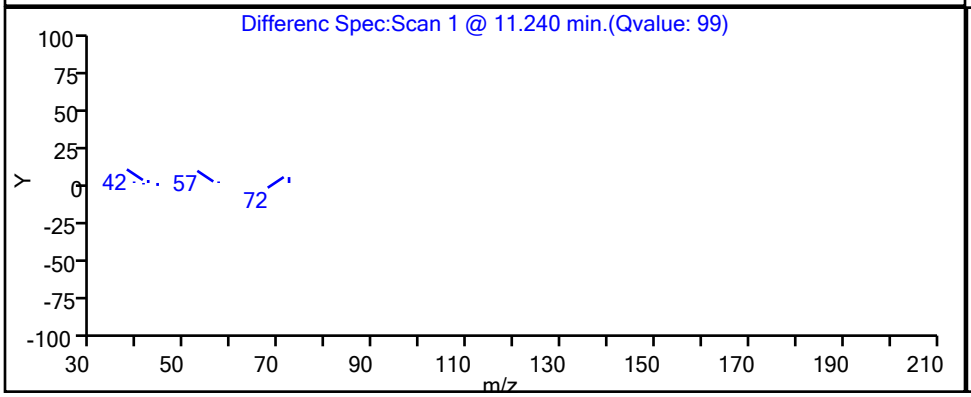


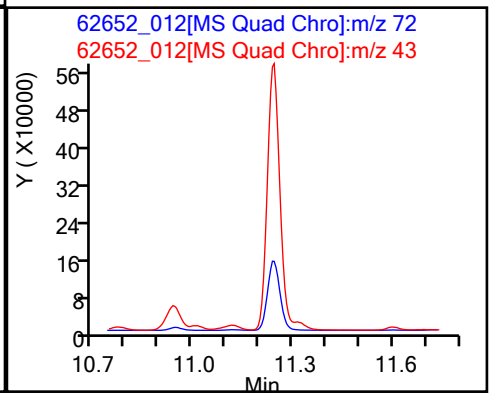












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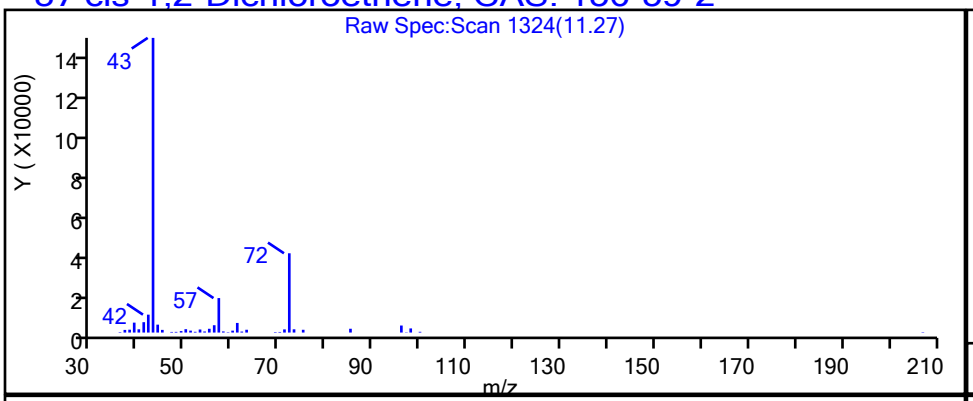
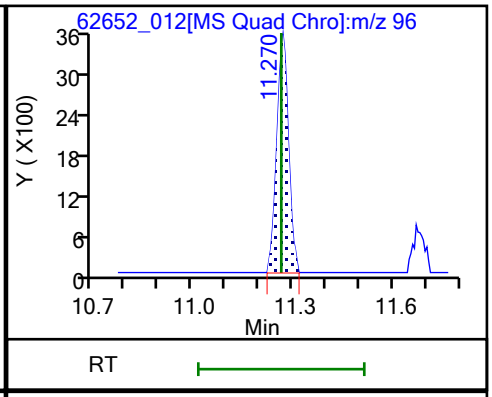
Eurofins Burlington

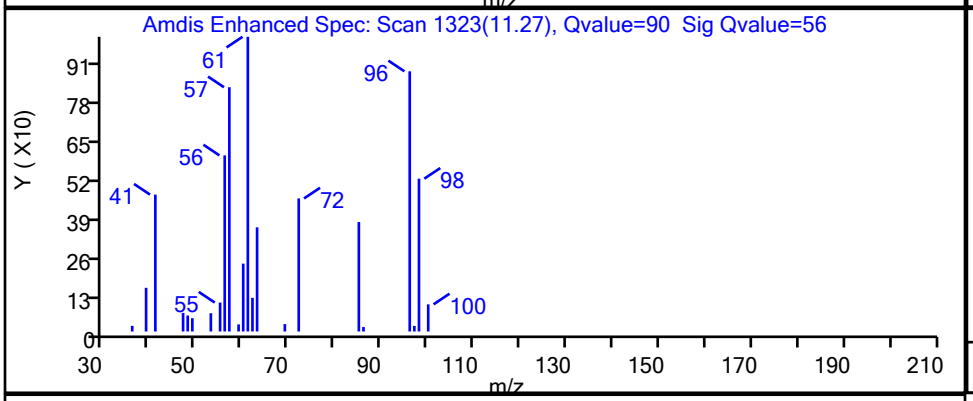
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

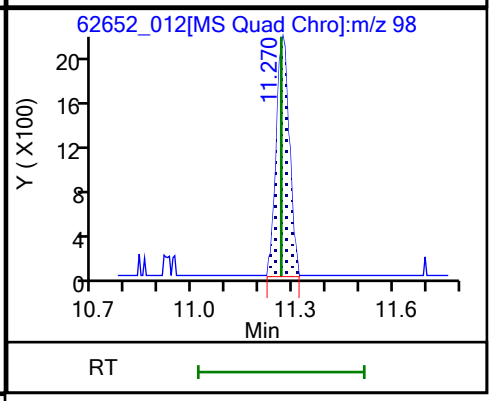
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

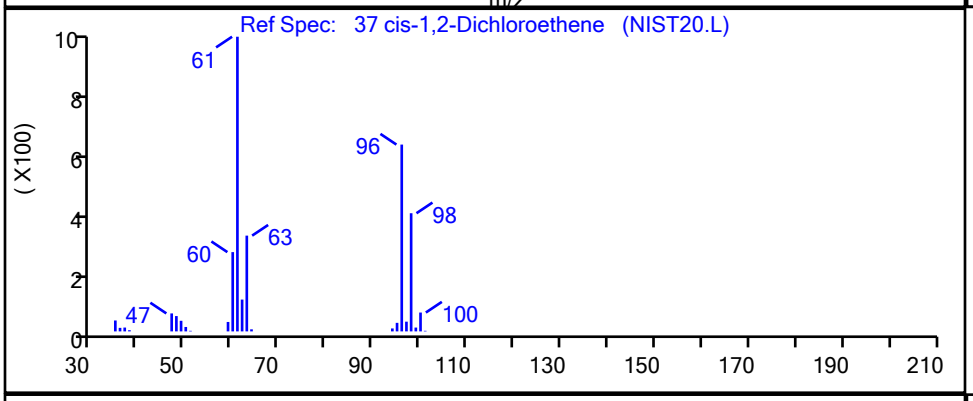
37 cis-1,2-Dichloroethene, CAS: 156-59-2

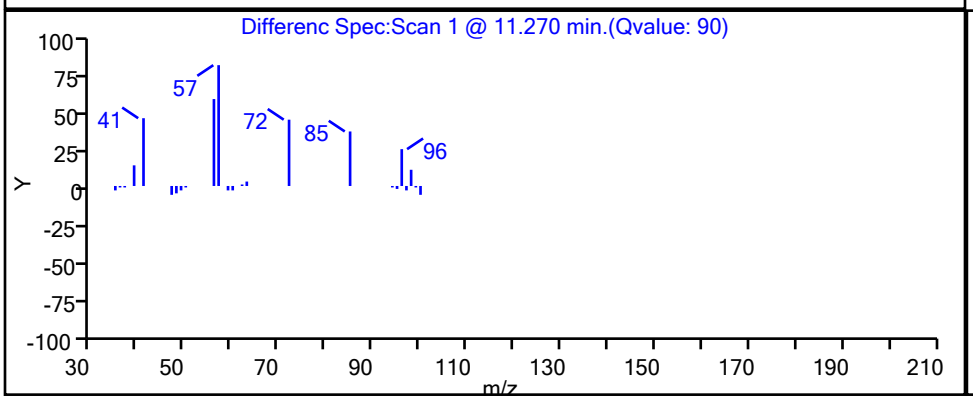


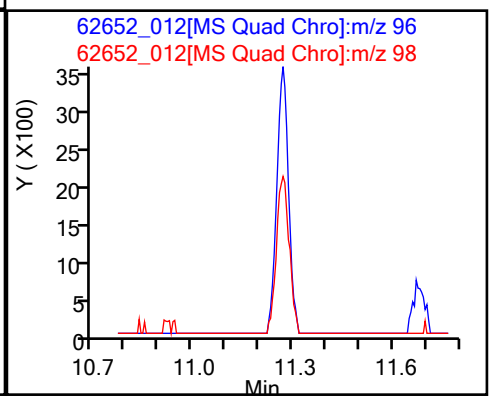












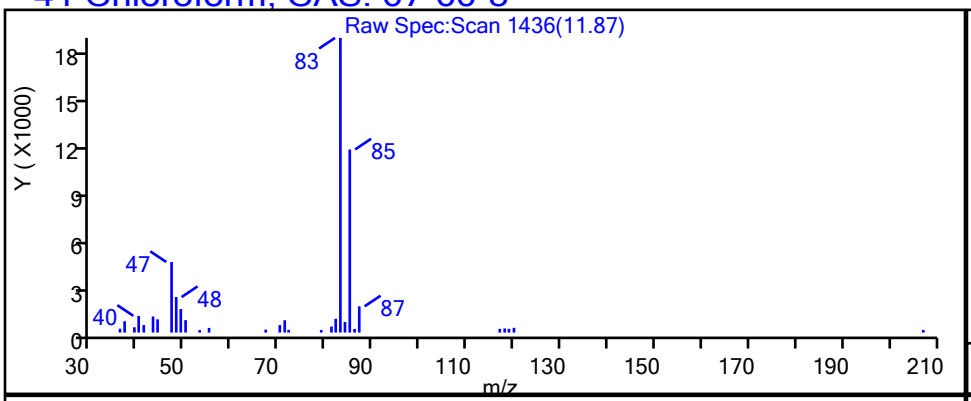
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

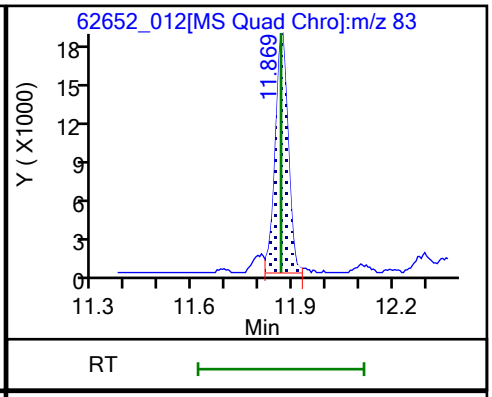
Eurofins Burlington

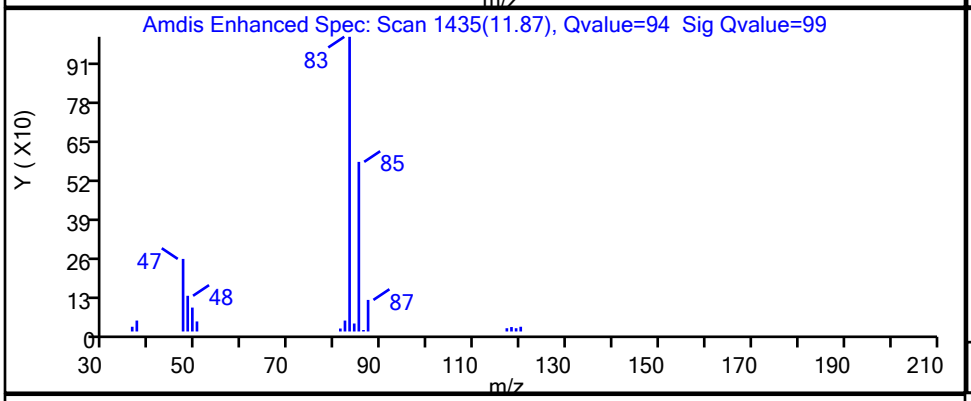
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

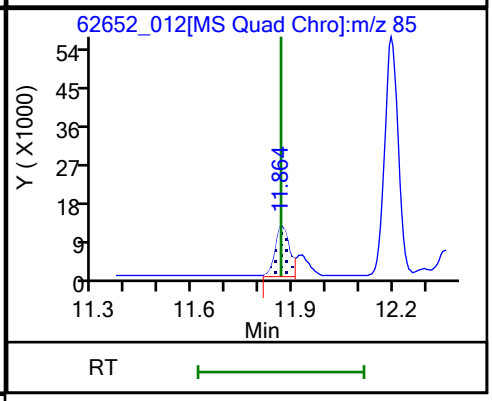
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

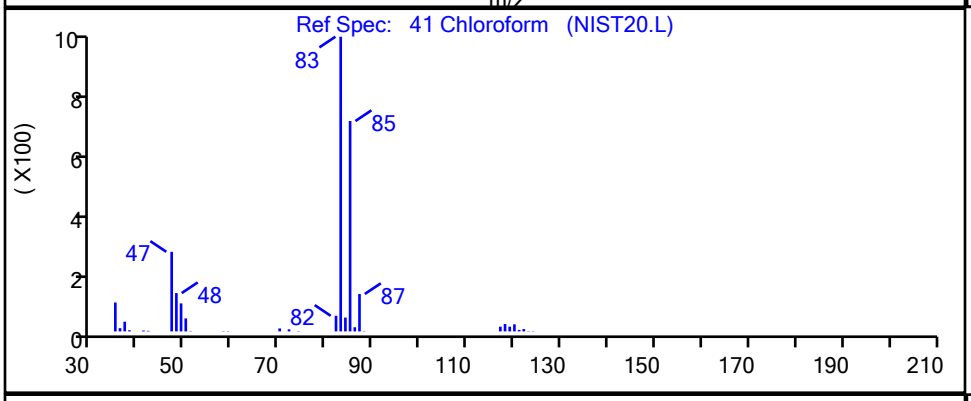
41 Chloroform, CAS: 67-66-3

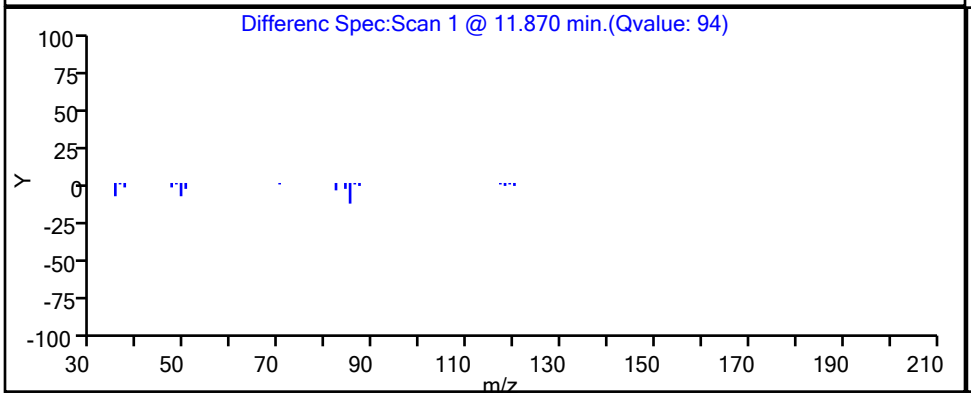


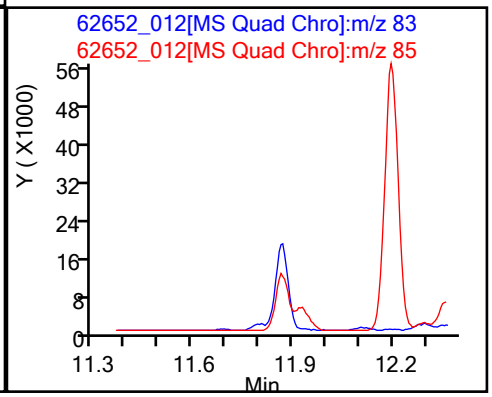










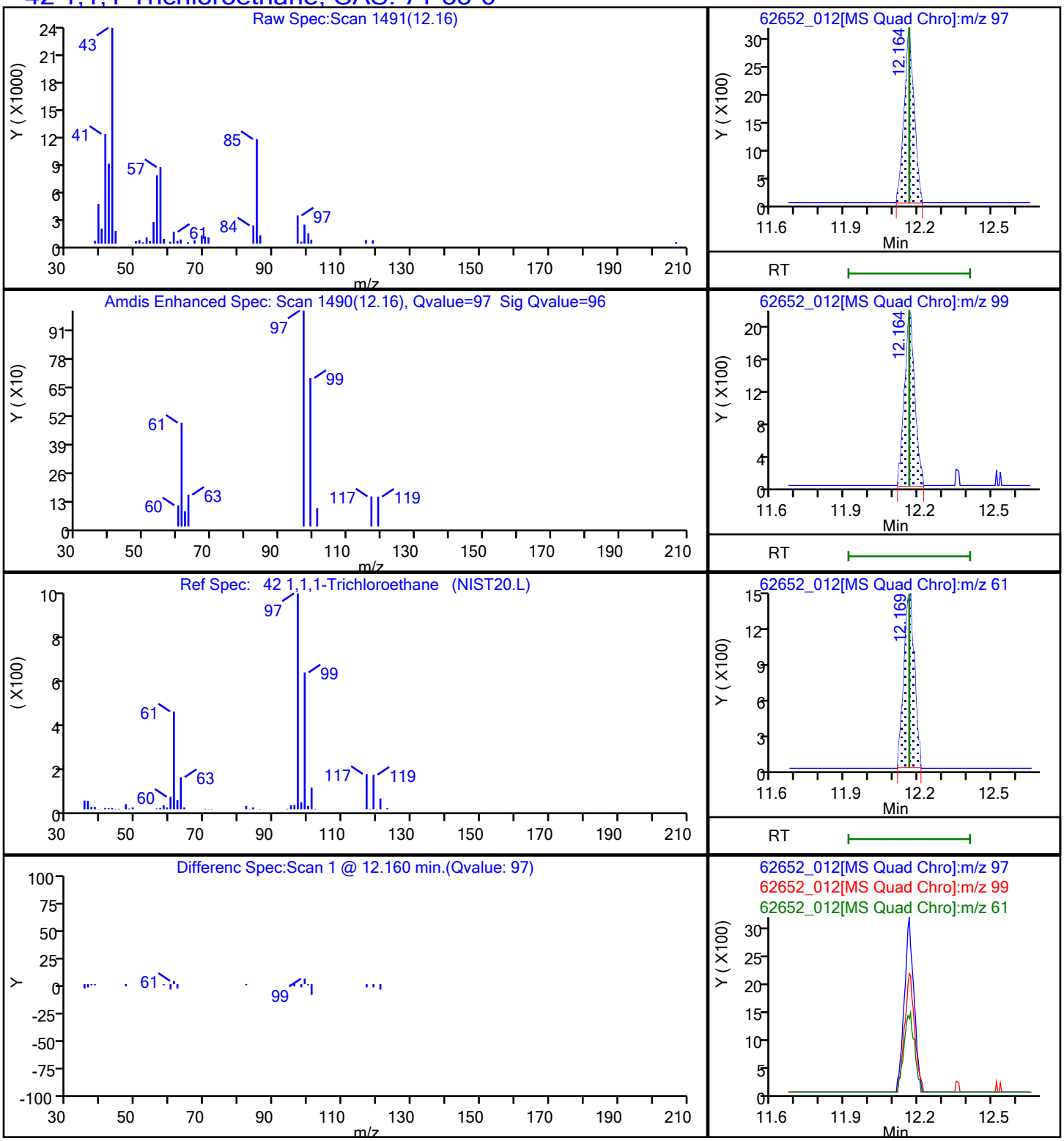


Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 1,1,1-Trichloroethane, CAS: 71-55-6

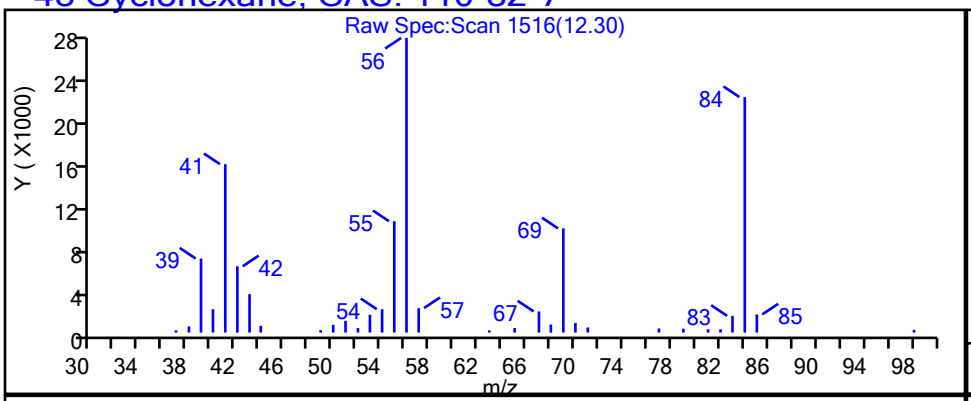


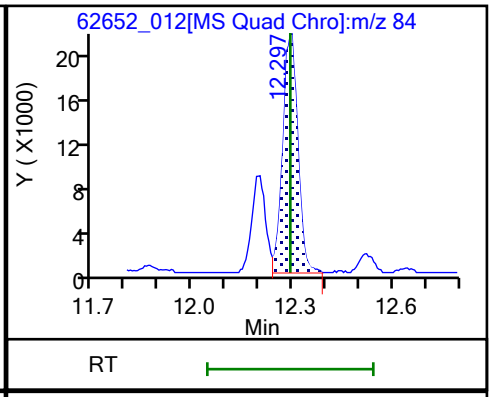
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

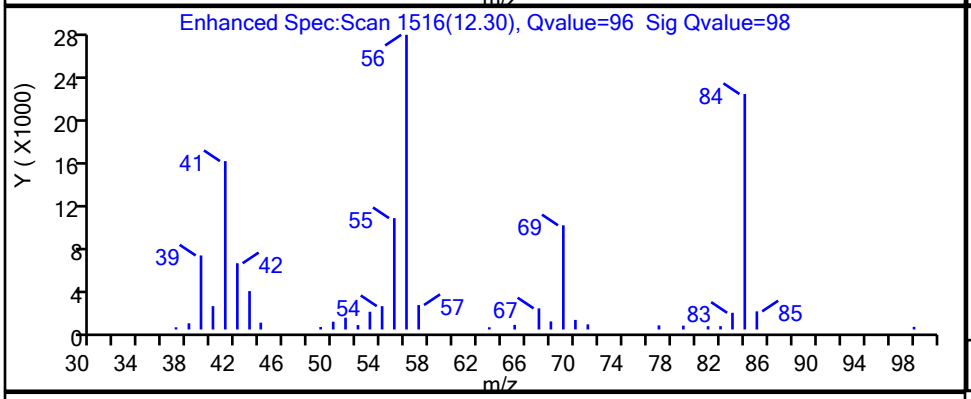
Eurofins Burlington

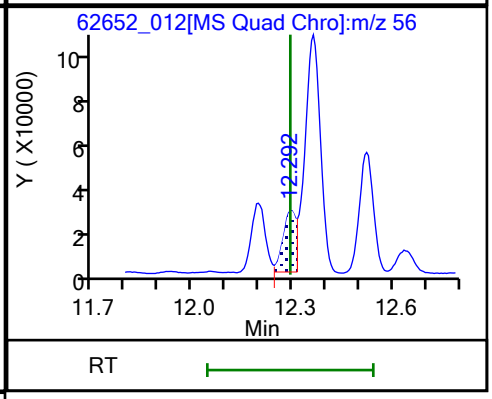
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

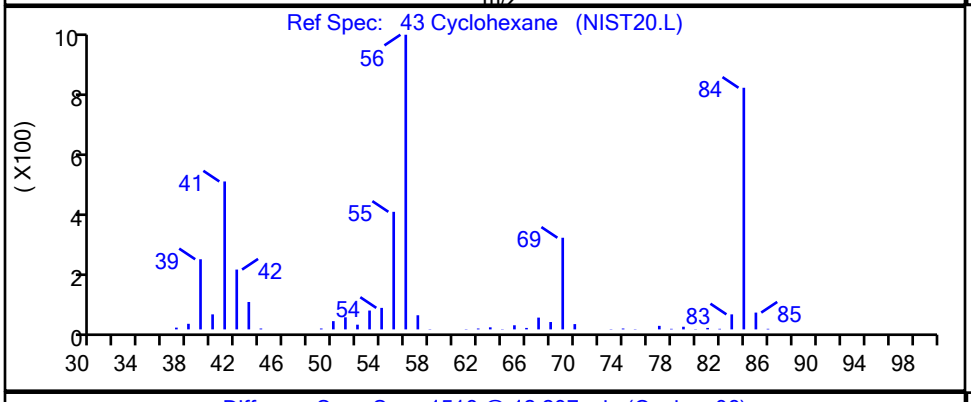
43 Cyclohexane, CAS: 110-82-7

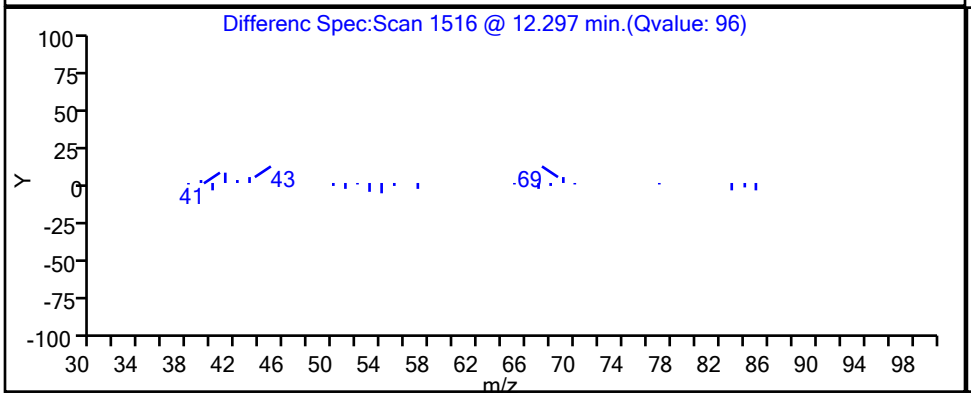


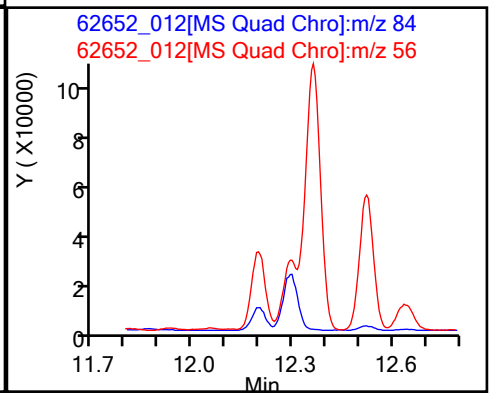












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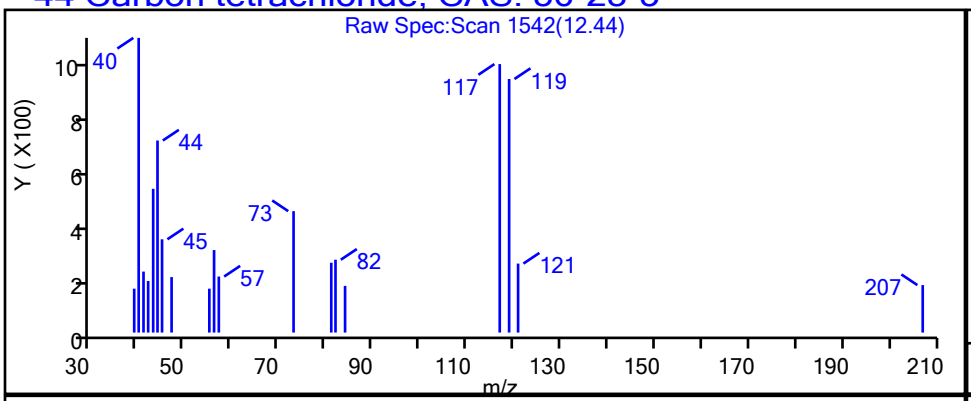
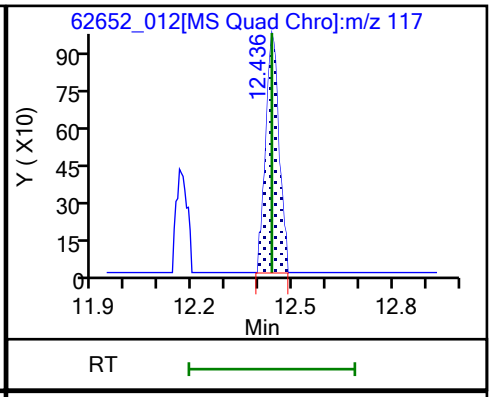
Eurofins Burlington

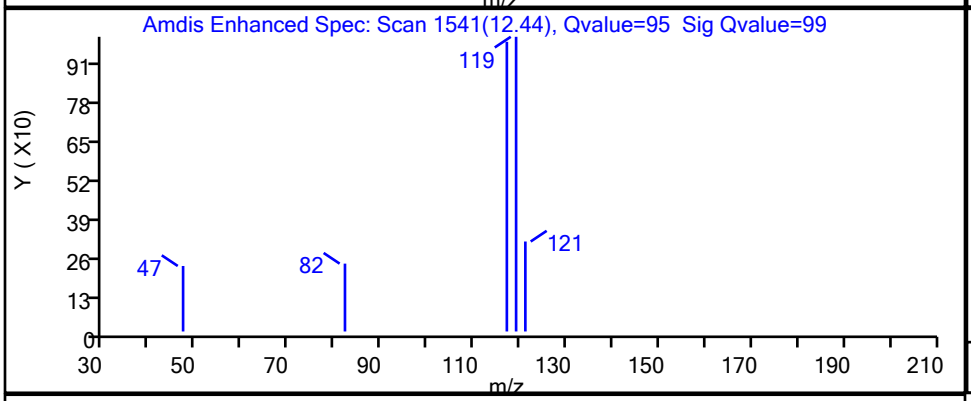
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

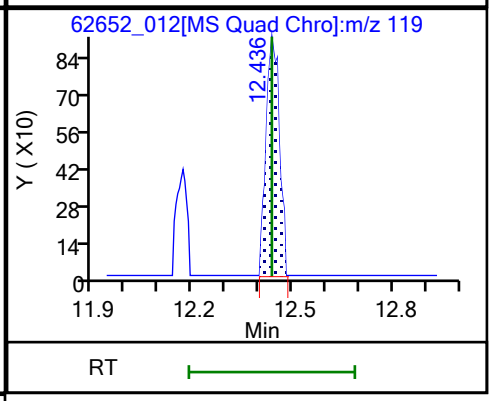
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

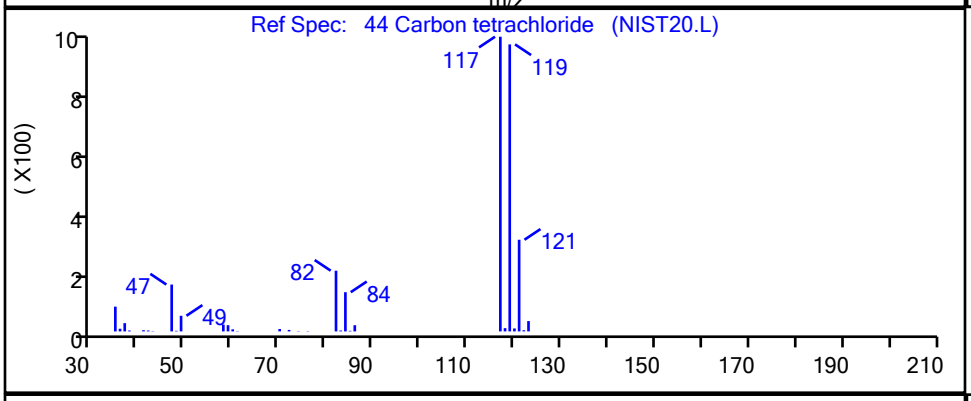
44 Carbon tetrachloride, CAS: 56-23-5

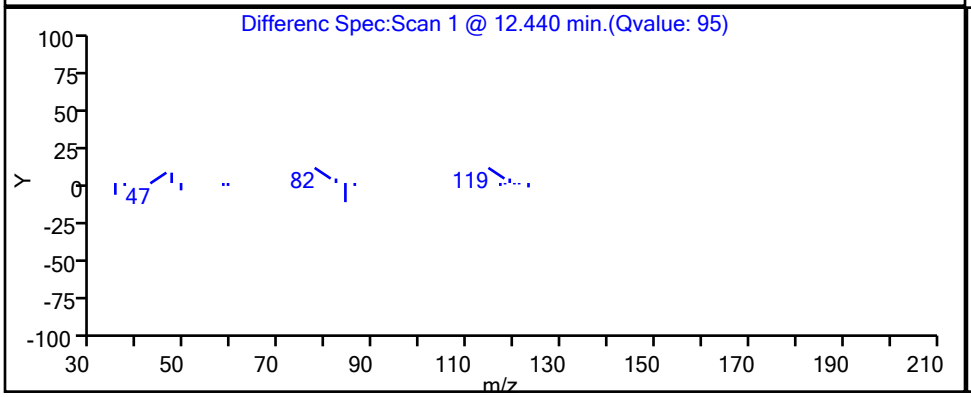


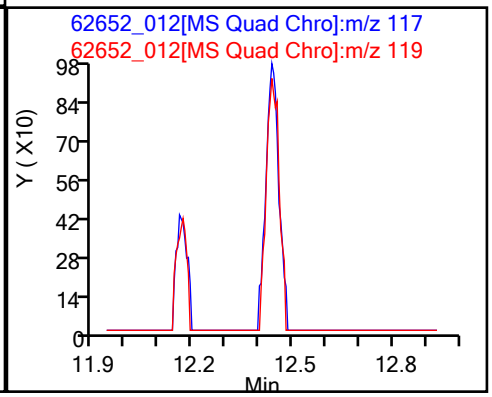












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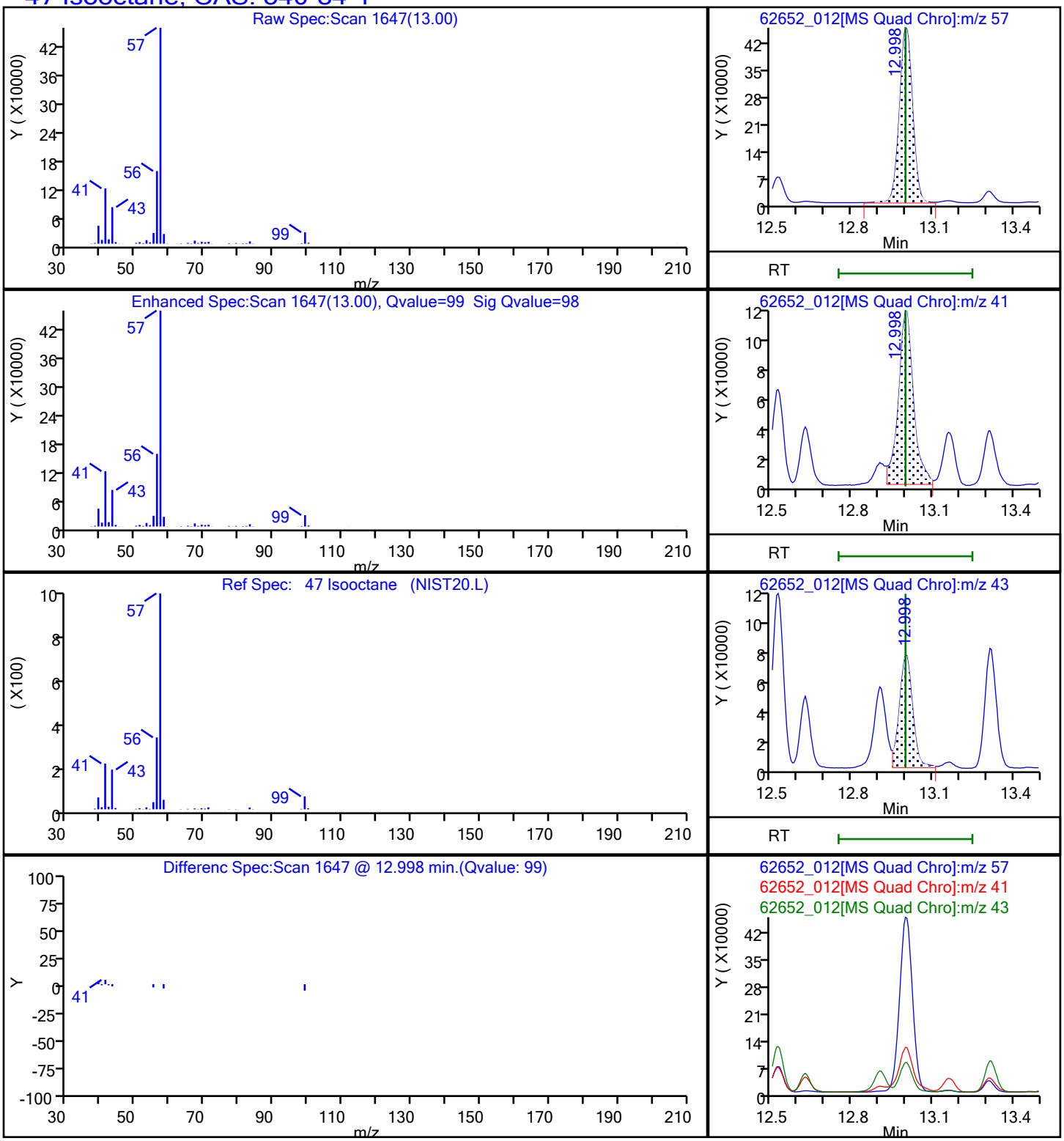
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1

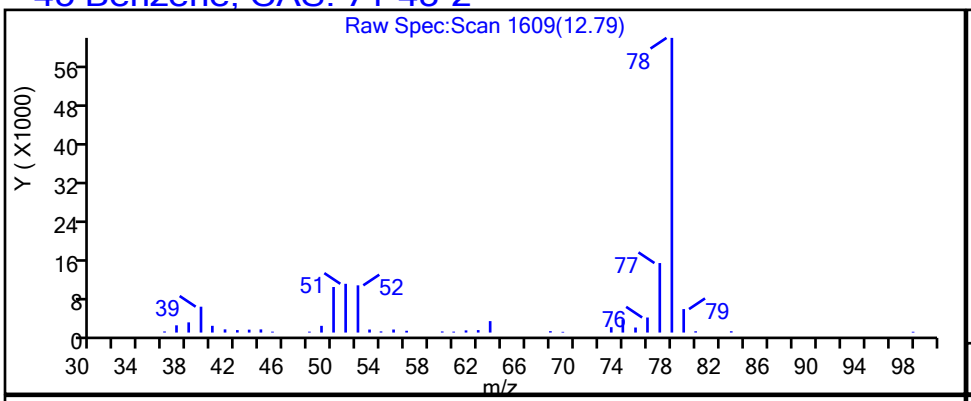


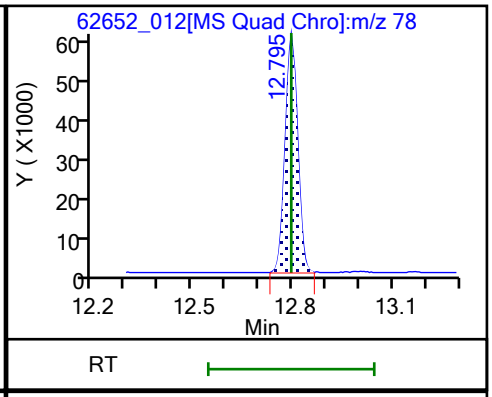
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

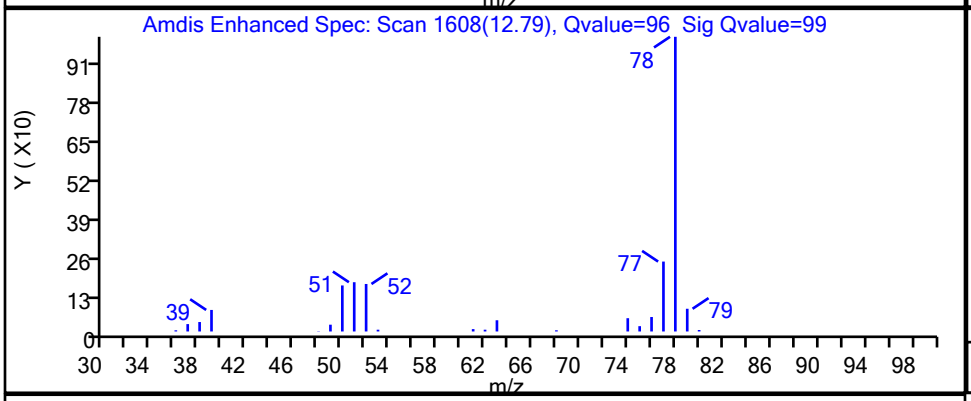
Eurofins Burlington

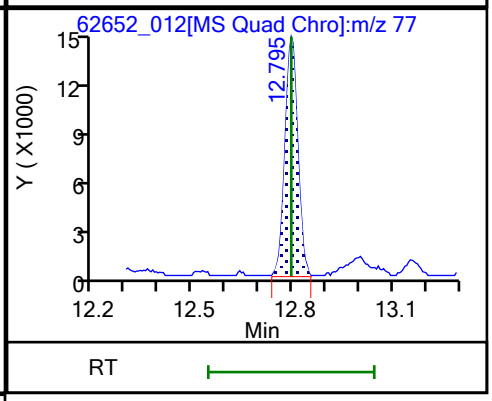
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

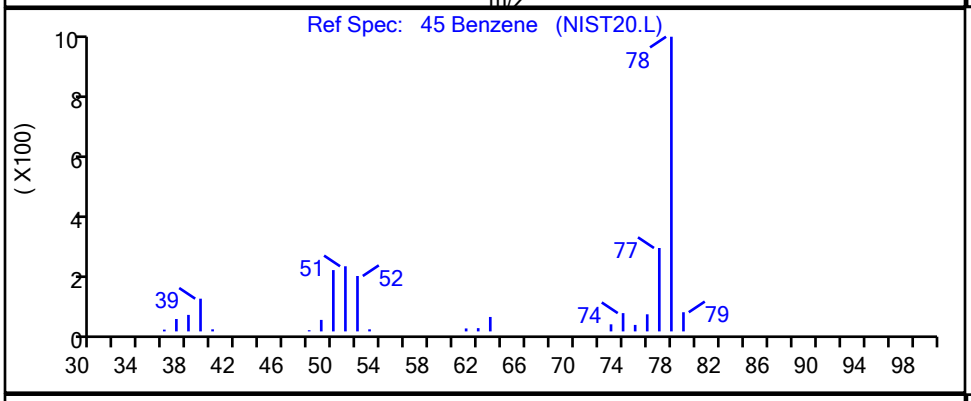
45 Benzene, CAS: 71-43-2

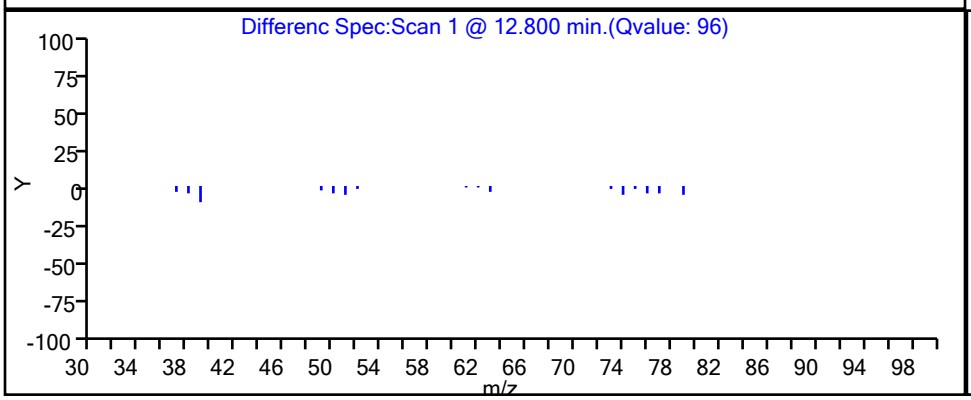


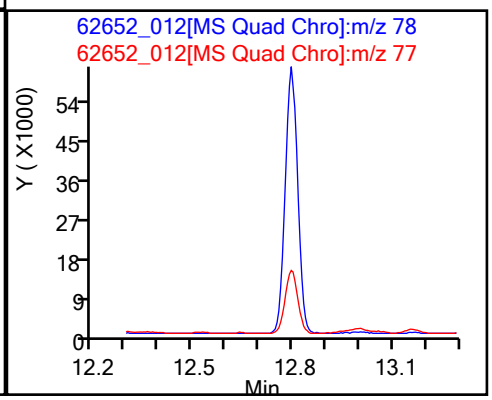












Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

Injection Date: 25-Oct-2024 16:41:29 Instrument ID: CHAM.i

Lims ID: 200-75561-A-1 Lab Sample ID: 200-75561-1

Client ID: SV-1_10232024

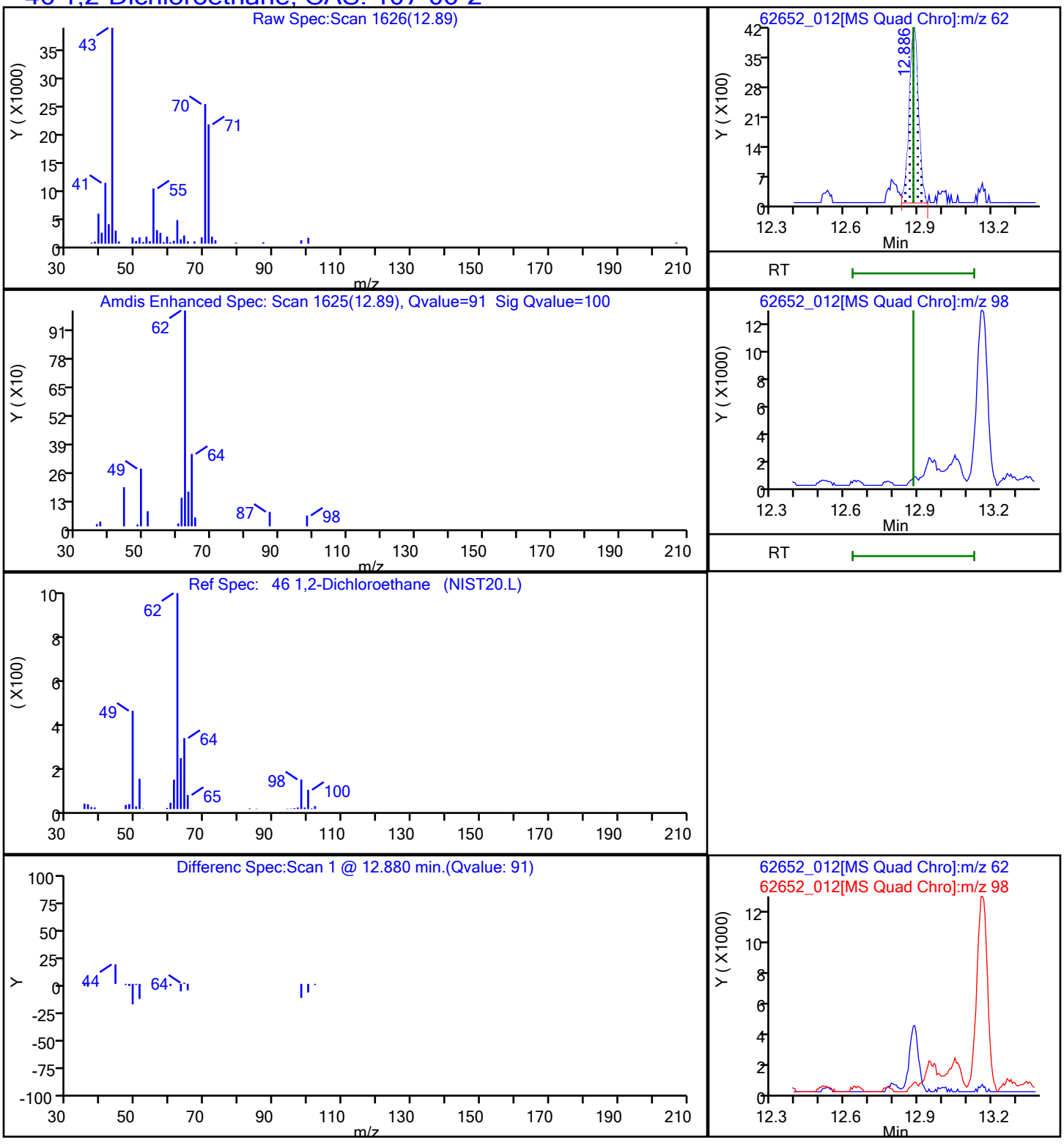
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 12

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

46 1,2-Dichloroethane, CAS: 107-06-2

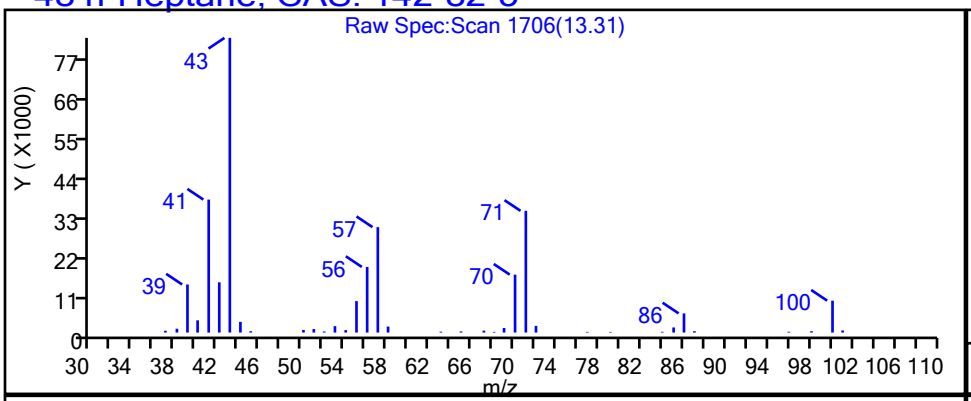


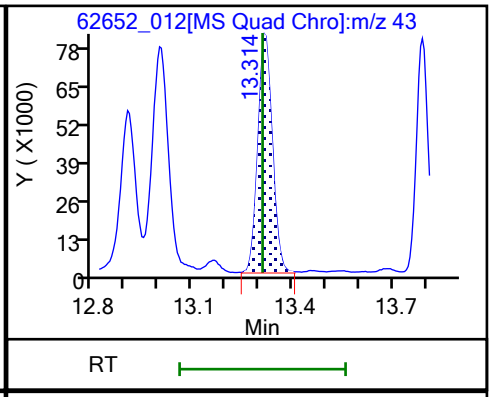
Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

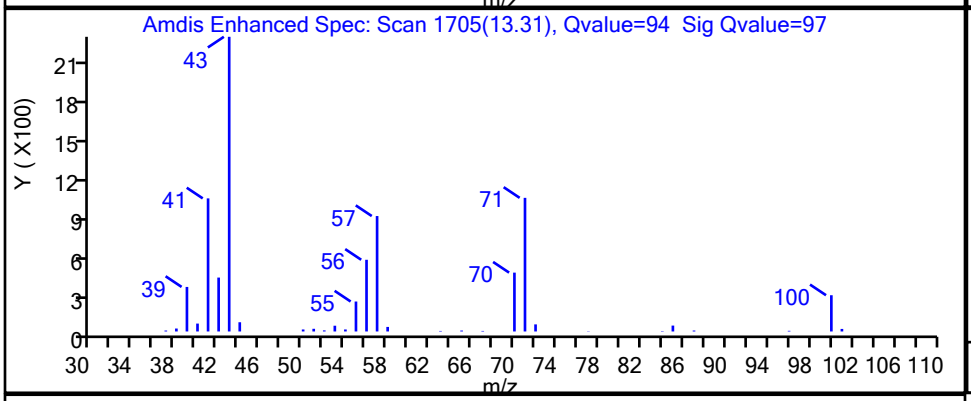
Eurofins Burlington

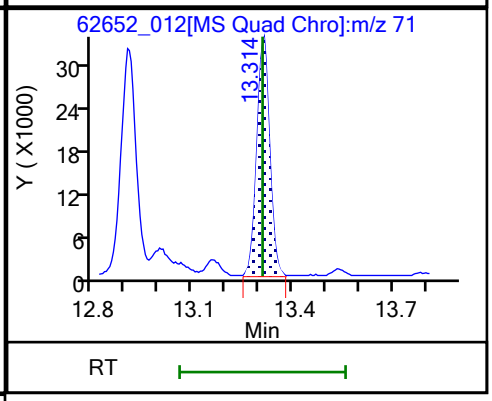
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

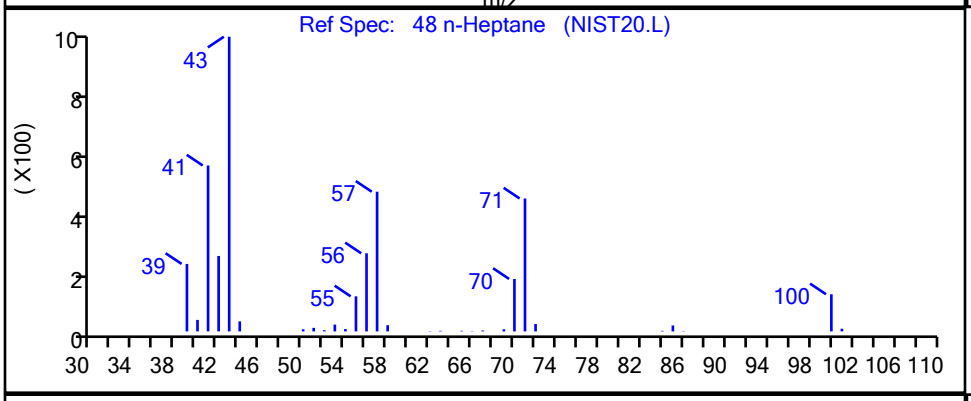
48 n-Heptane, CAS: 142-82-5

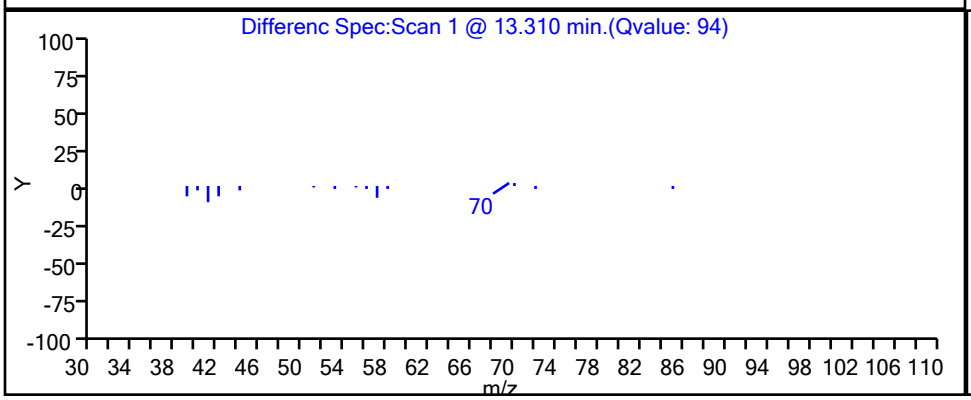


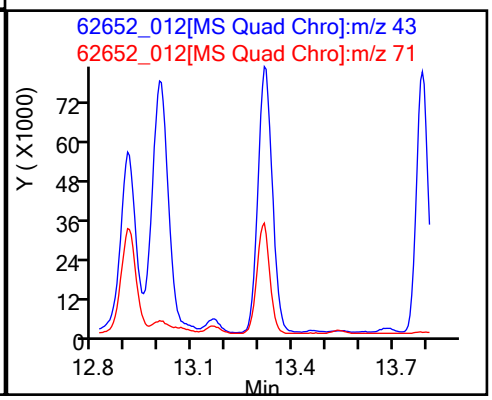










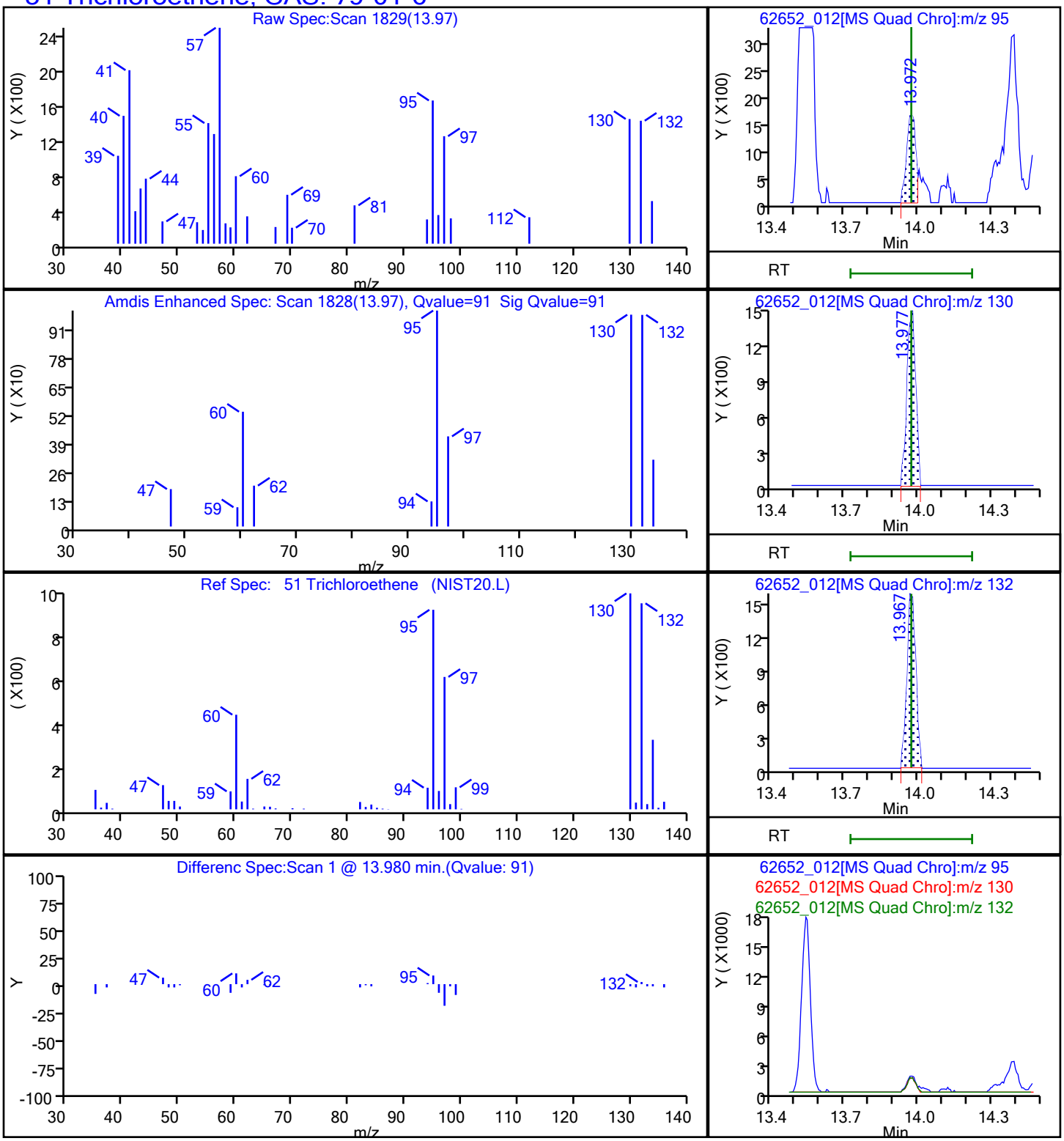


Report Date: 28-Oct-2024 07:38:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Trichloroethene, CAS: 79-01-6



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Eurofins Burlington

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Client ID:	SV-1_10232024				
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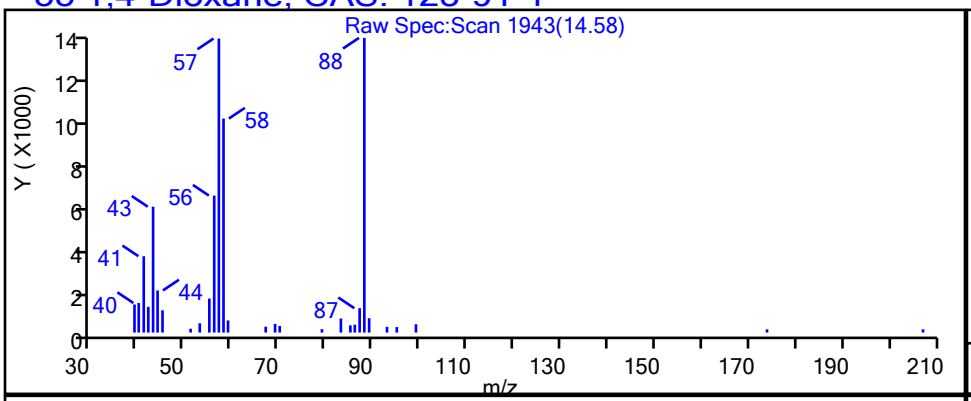
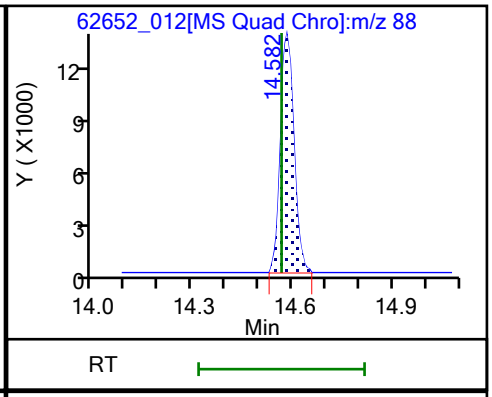
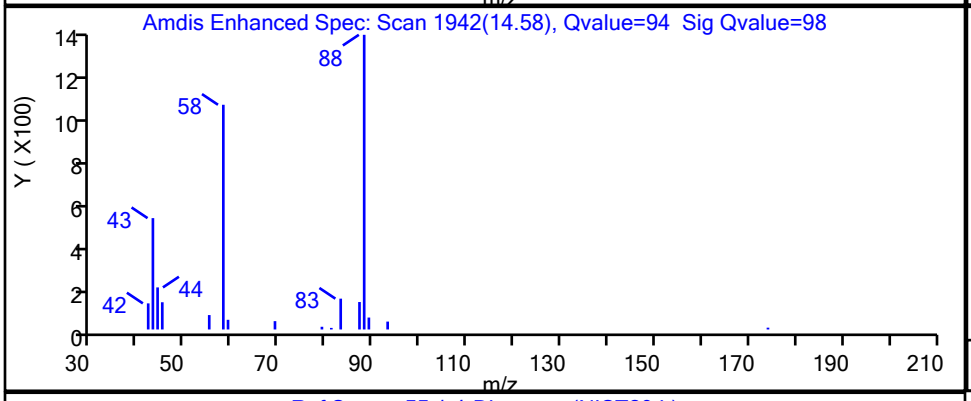
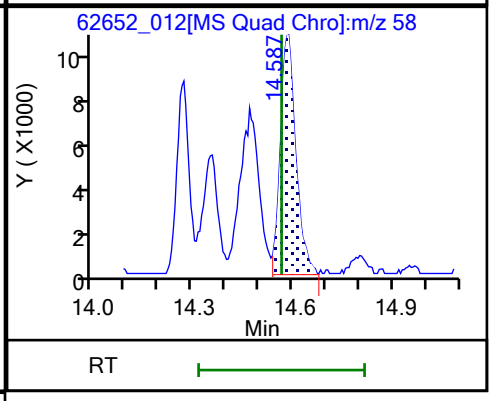
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

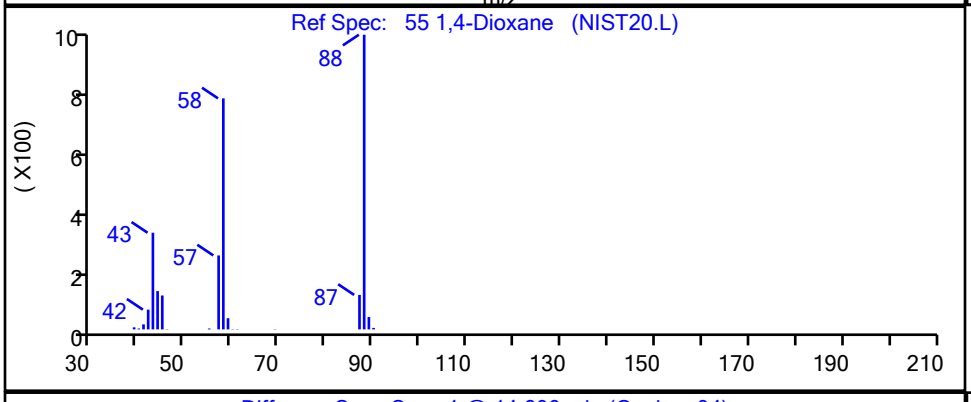
55 1,4-Dioxane, CAS: 123-91-1

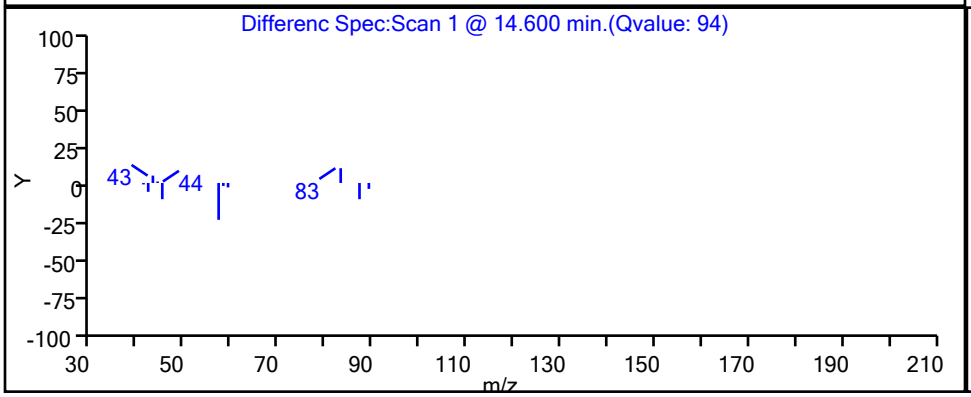


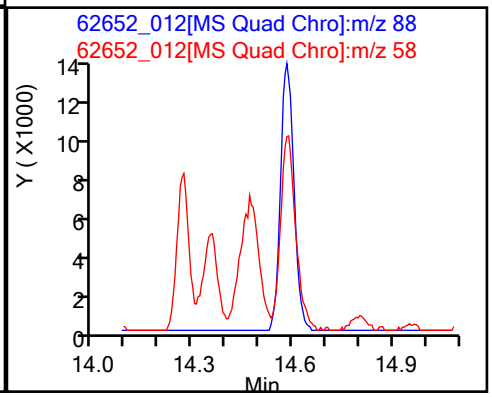












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Eurofins Burlington

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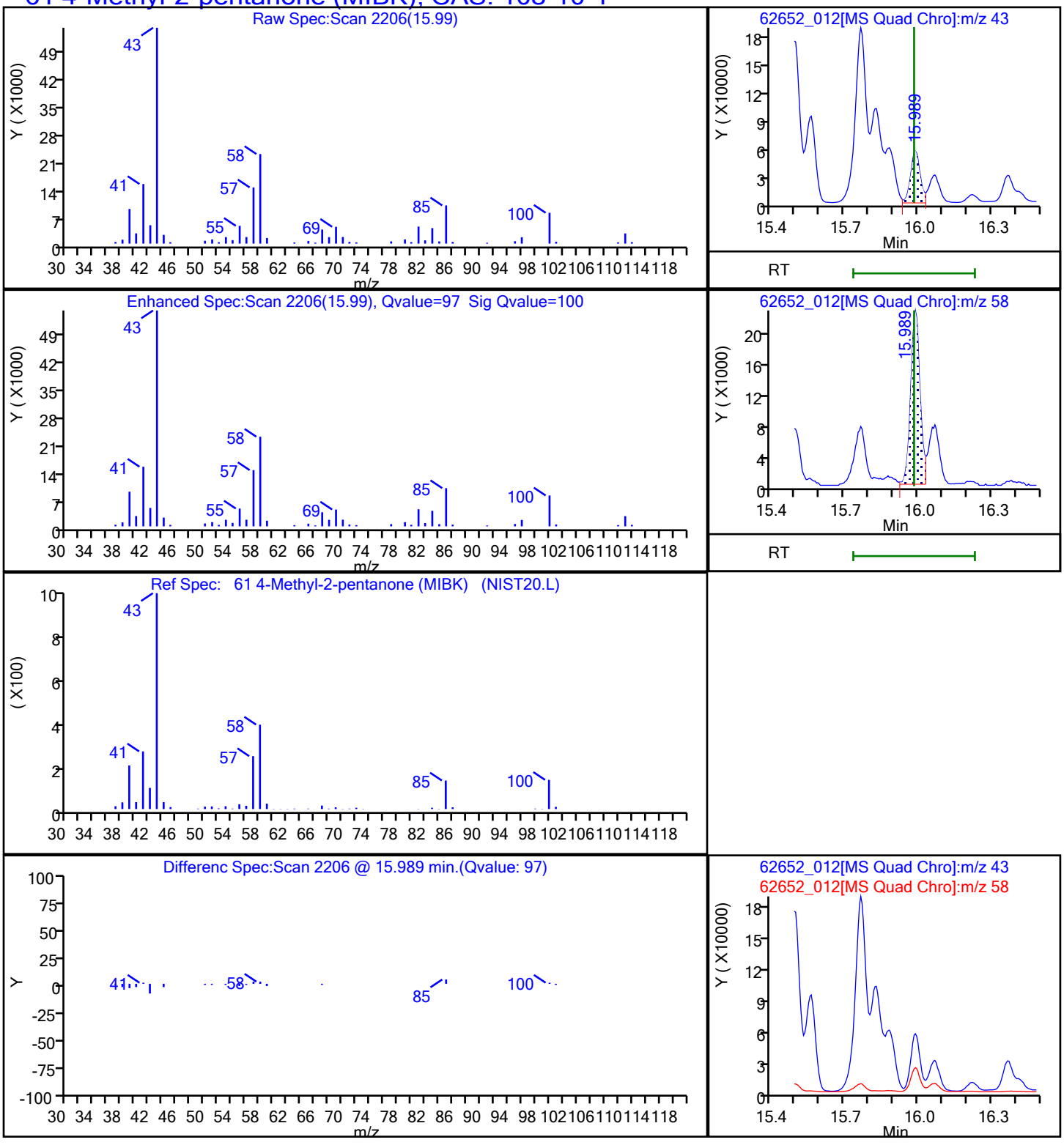
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



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Eurofins Burlington

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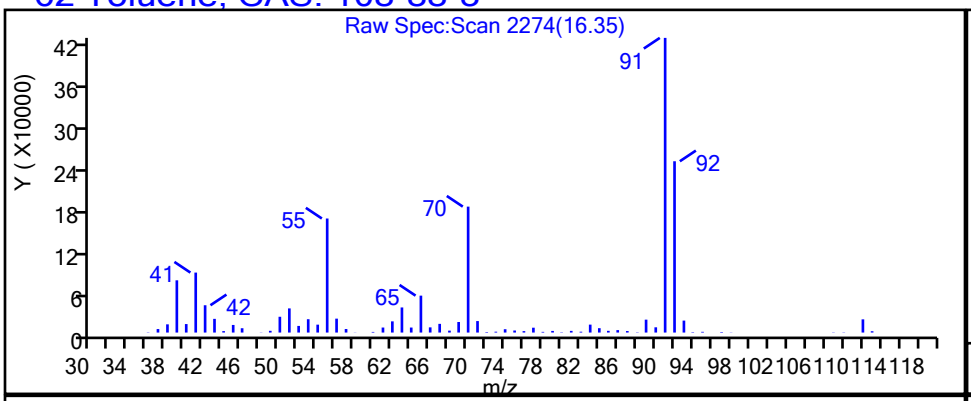
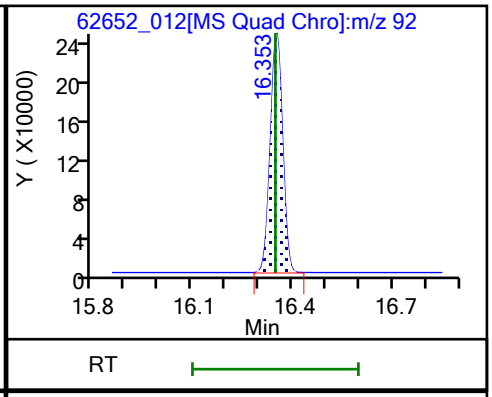
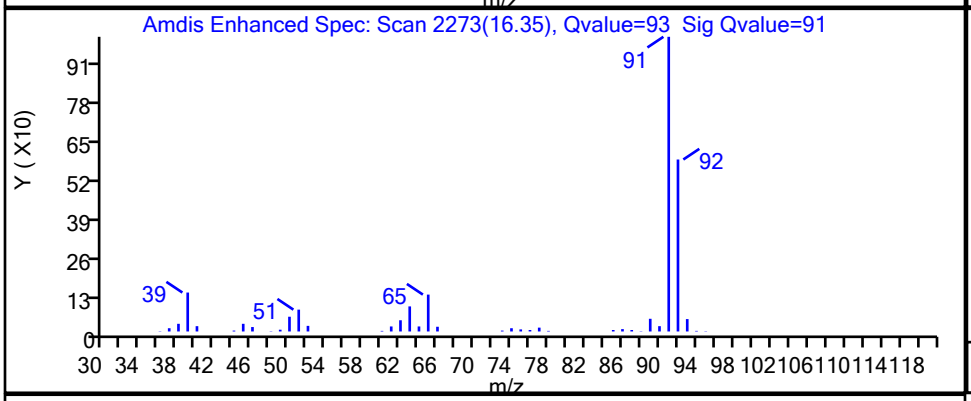
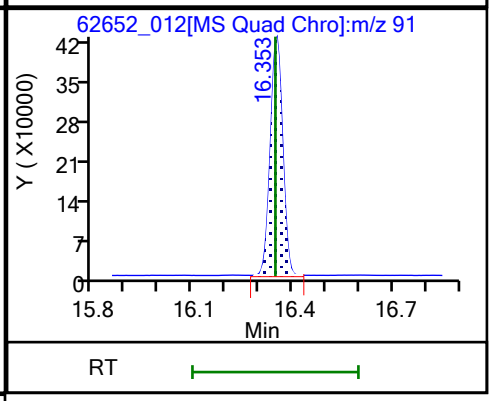
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

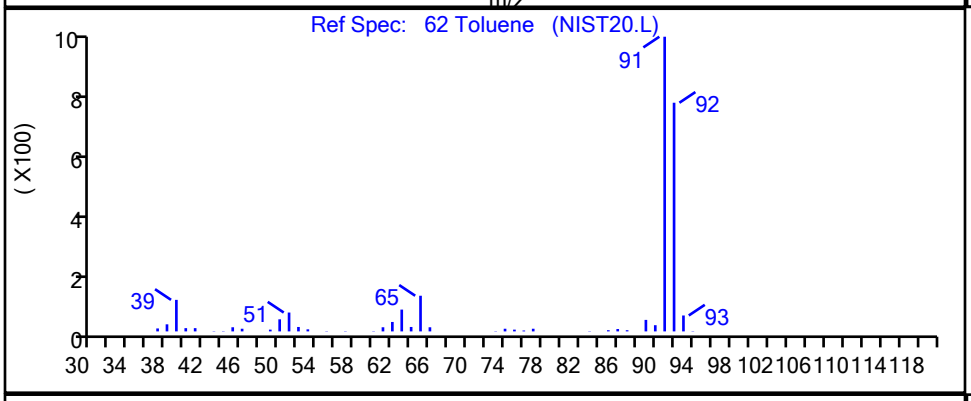
62 Toluene, CAS: 108-88-3

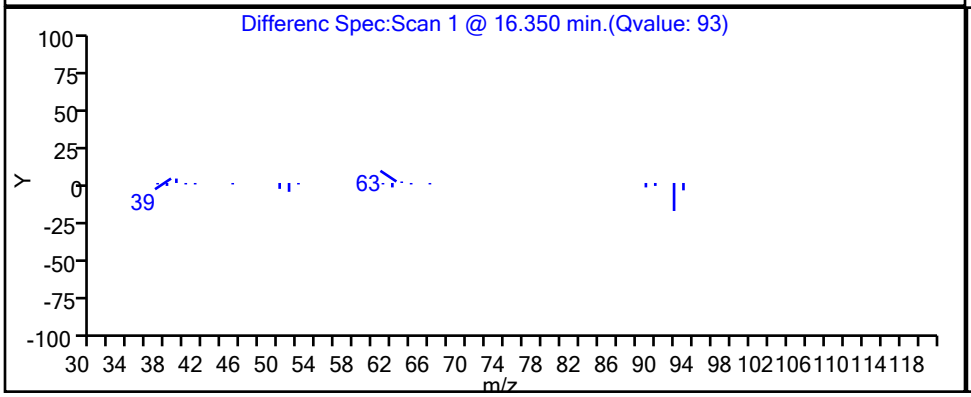


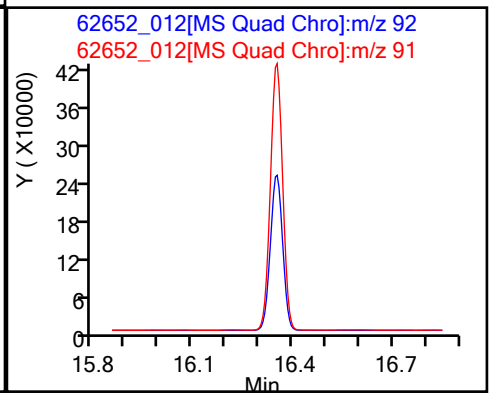












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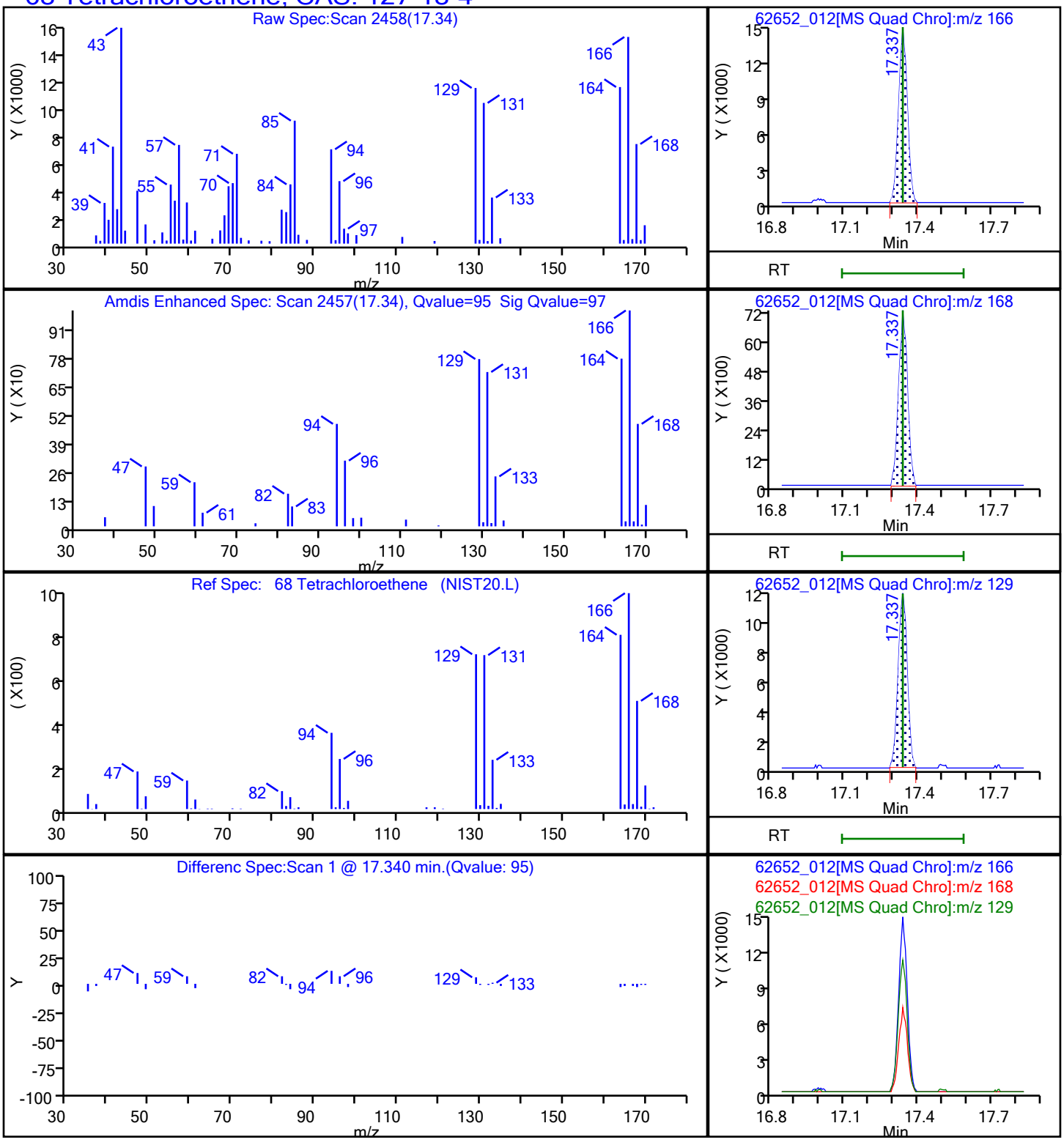
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4



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Eurofins Burlington

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Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
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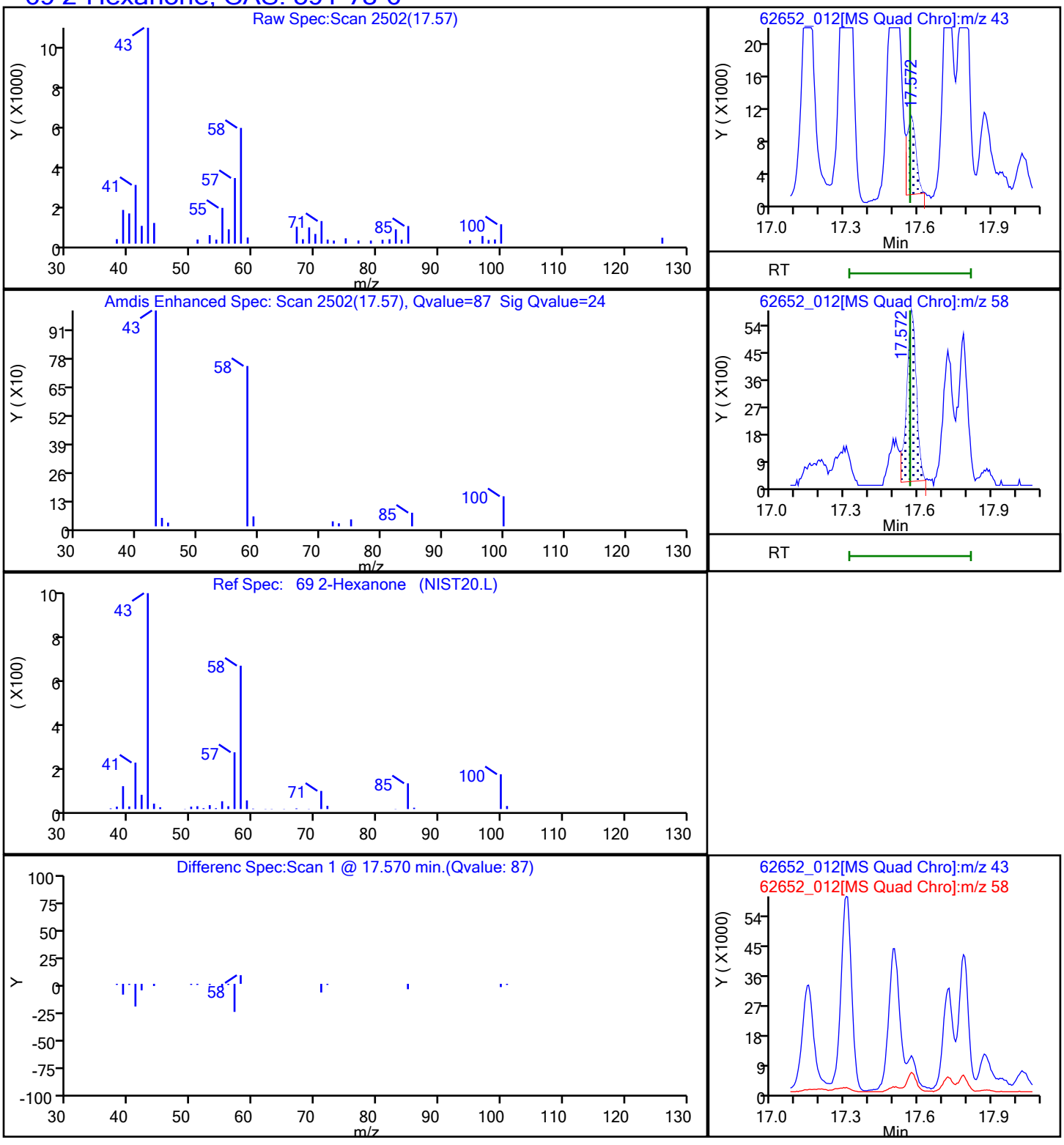
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

69 2-Hexanone, CAS: 591-78-6



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Eurofins Burlington

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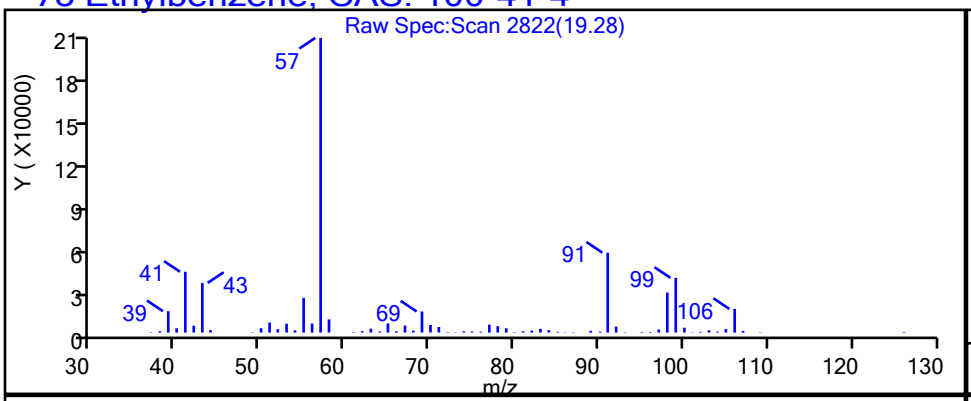
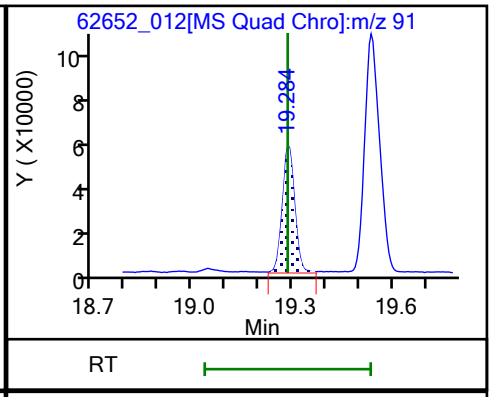
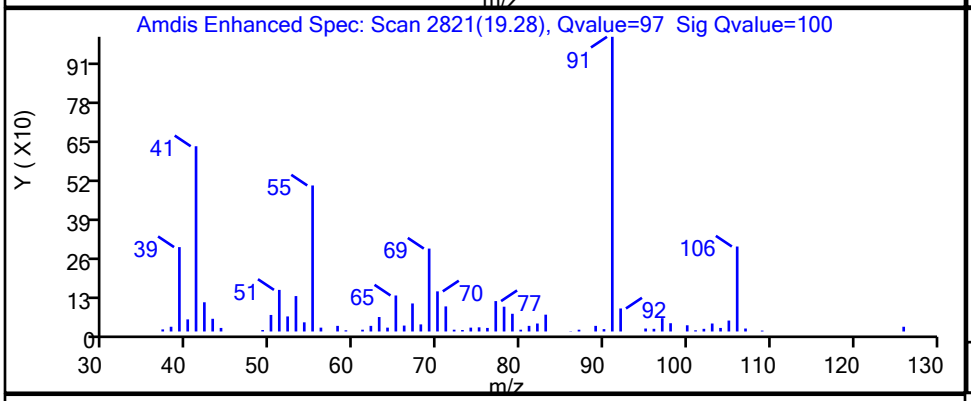
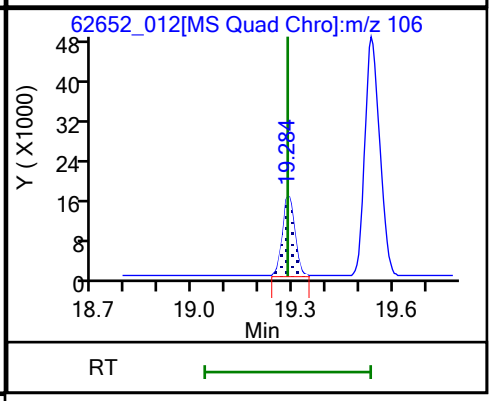
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

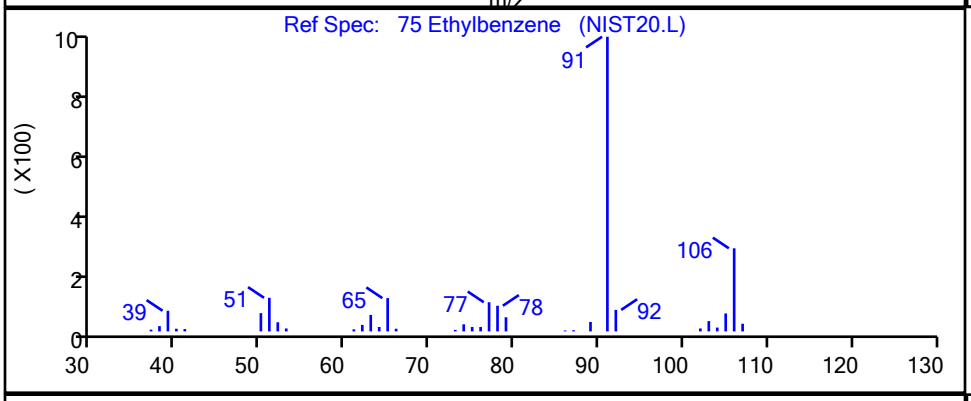
75 Ethylbenzene, CAS: 100-41-4

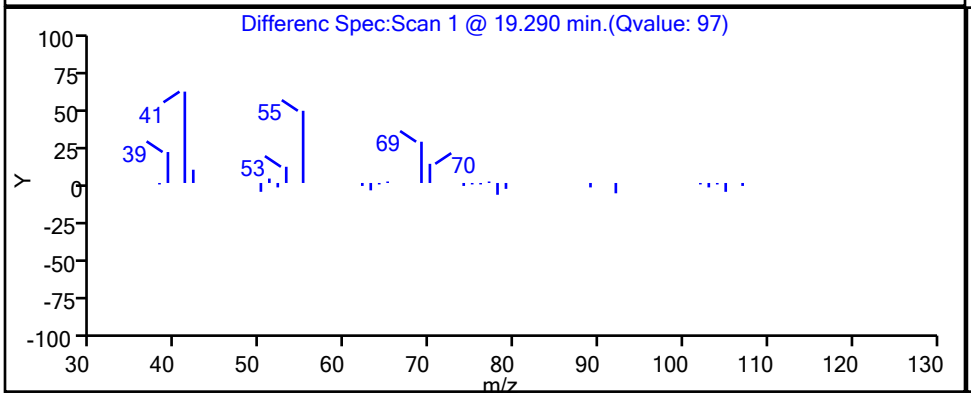


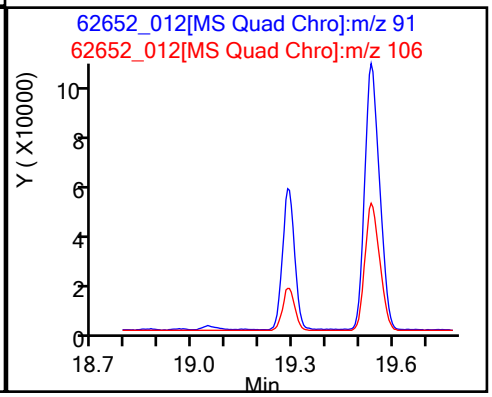












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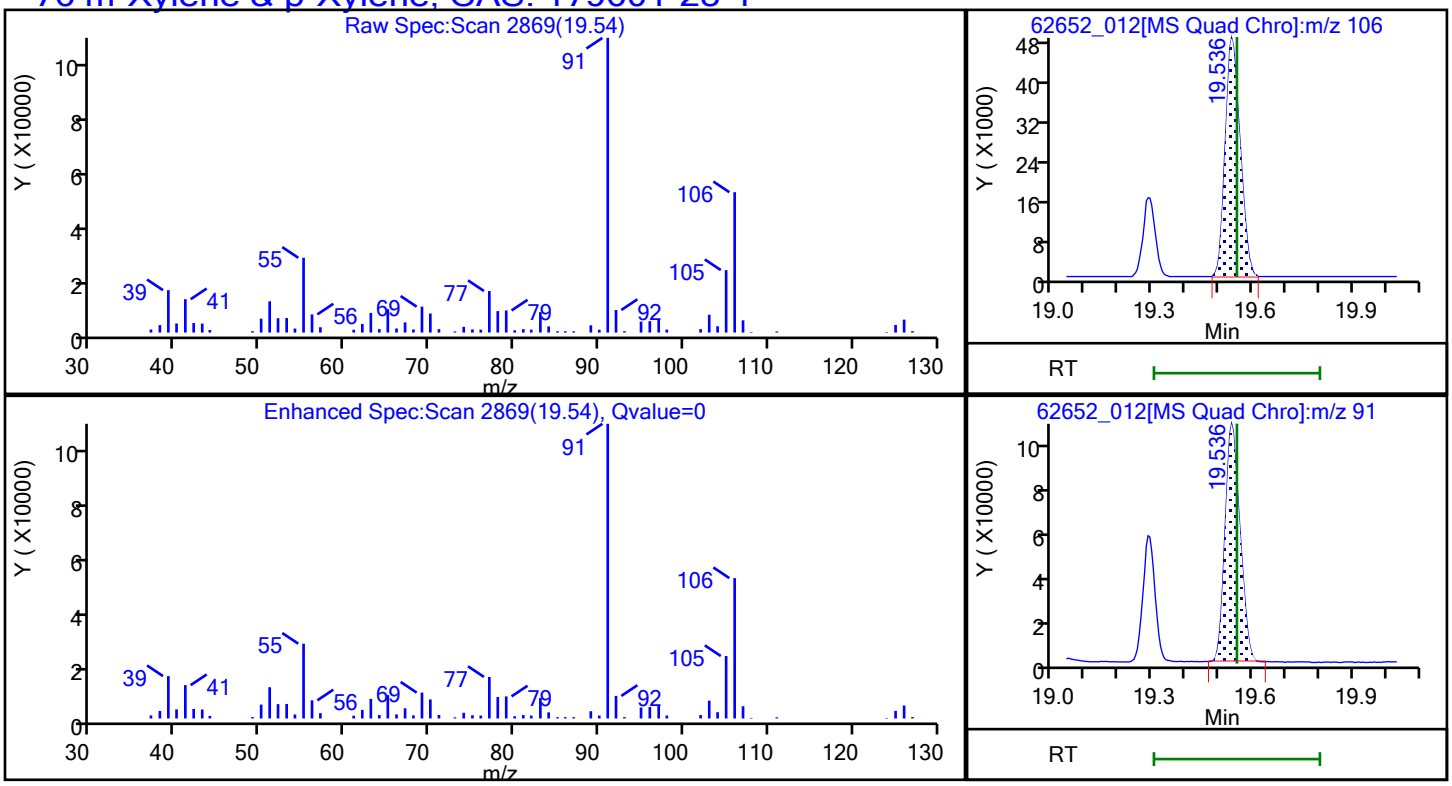
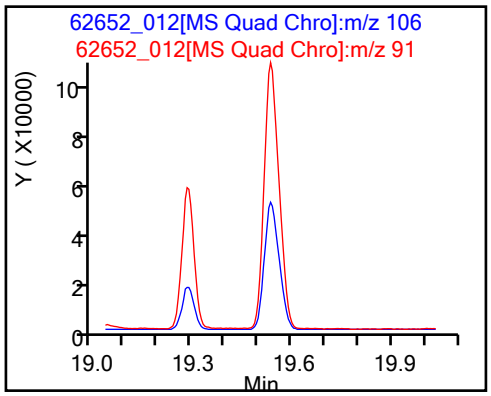
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1





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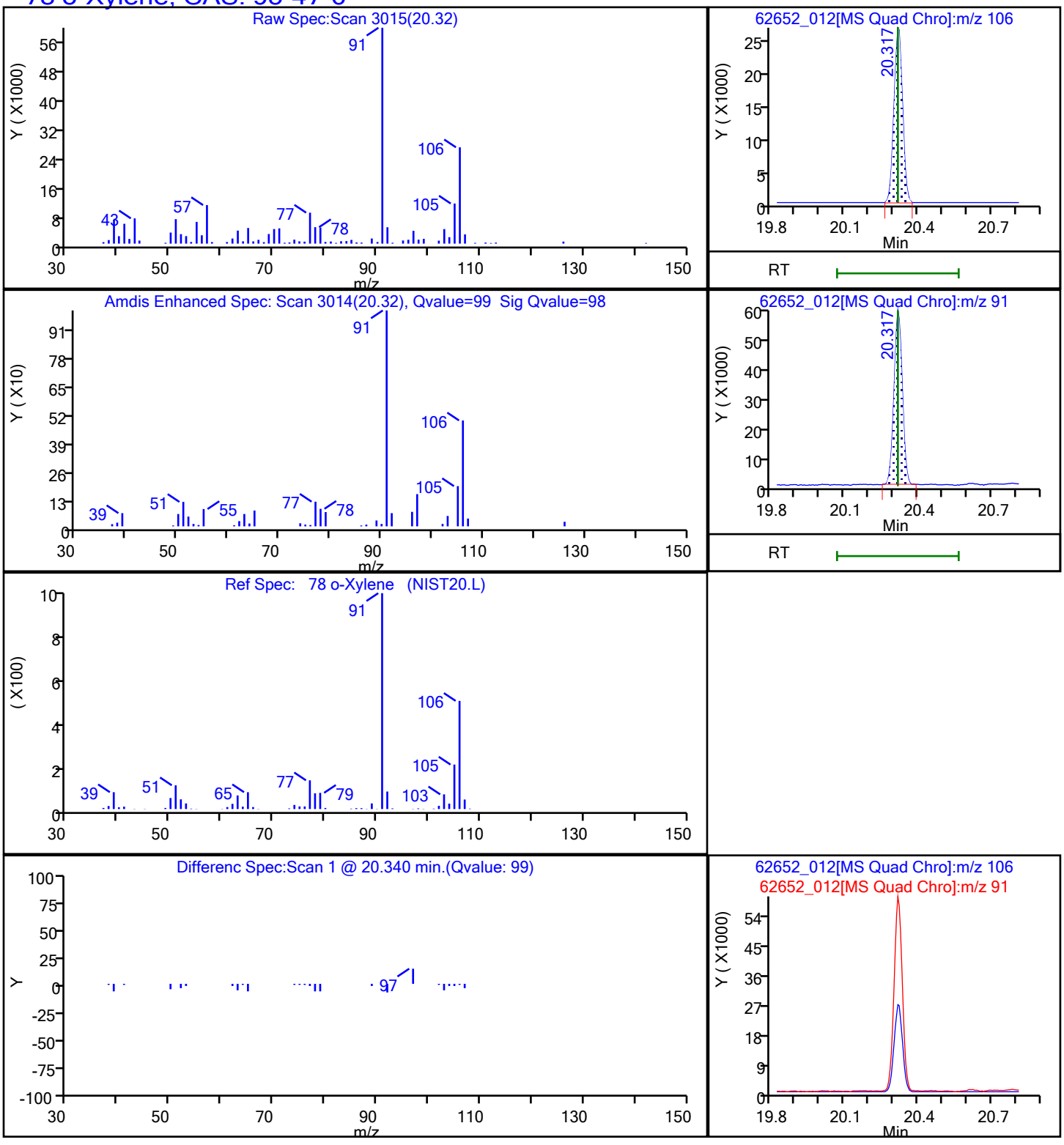
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 o-Xylene, CAS: 95-47-6



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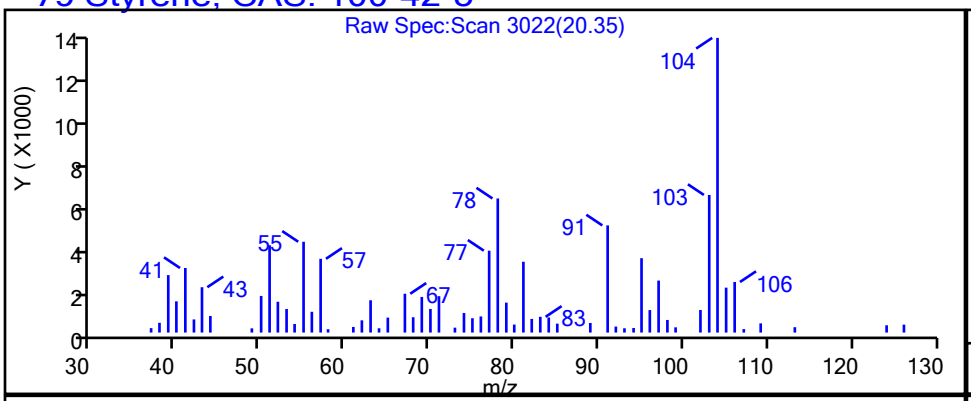
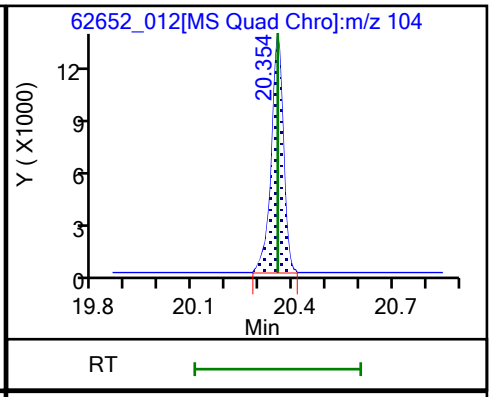
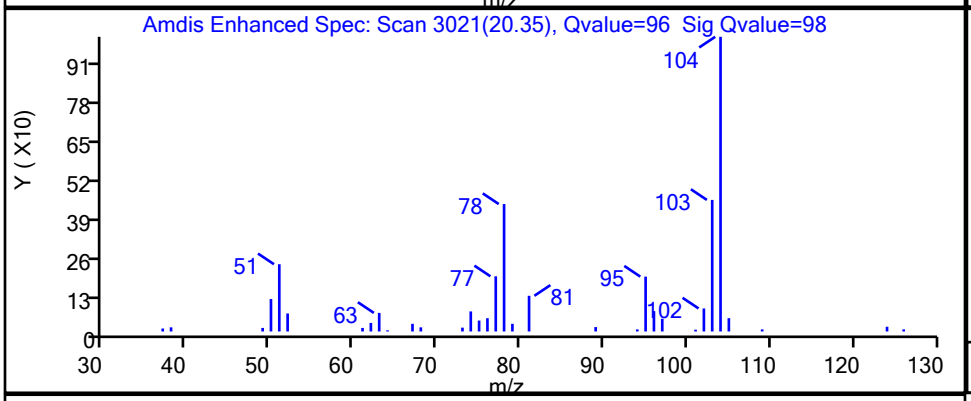
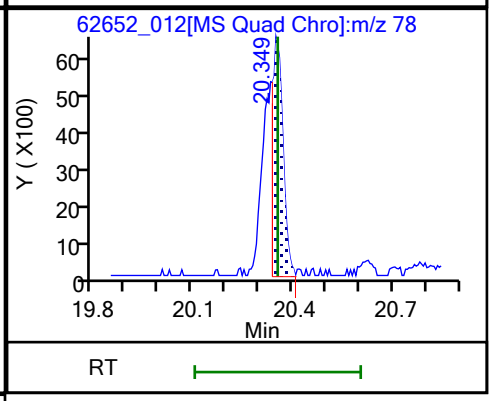
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

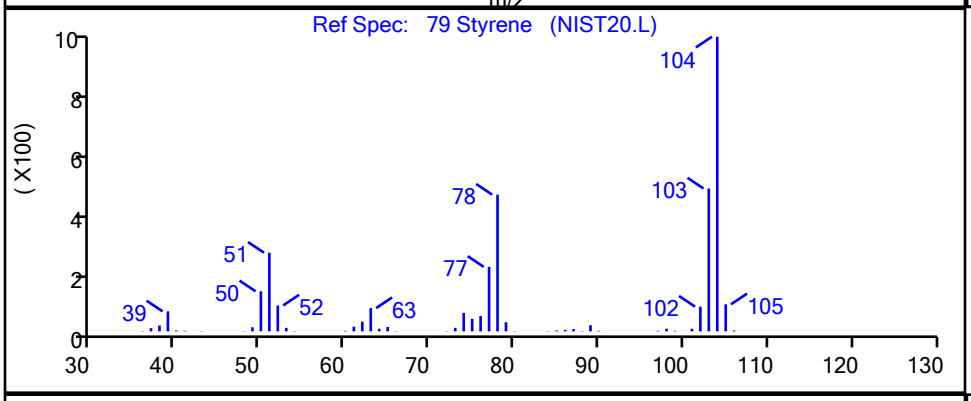
79 Styrene, CAS: 100-42-5

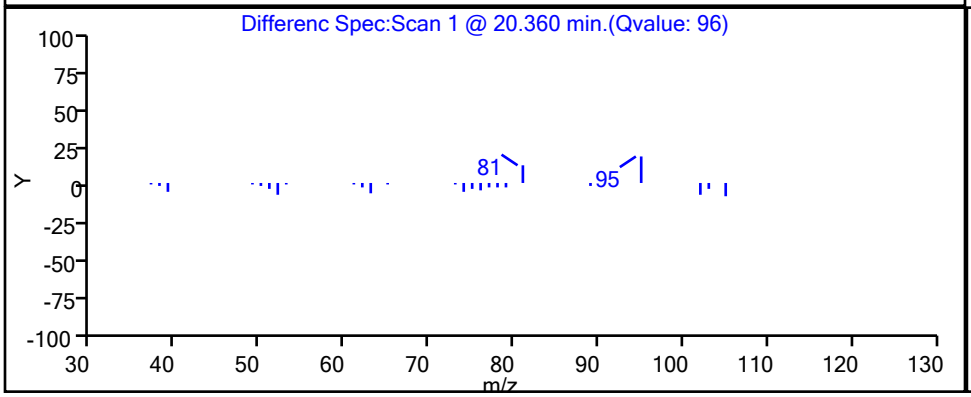


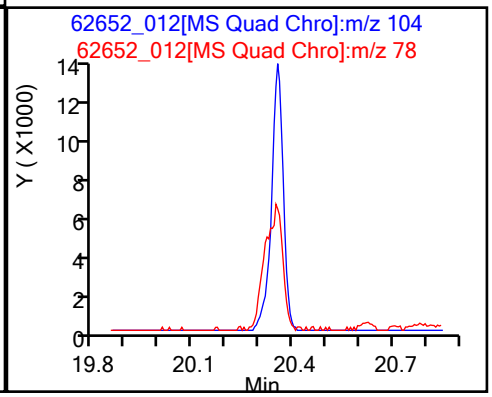












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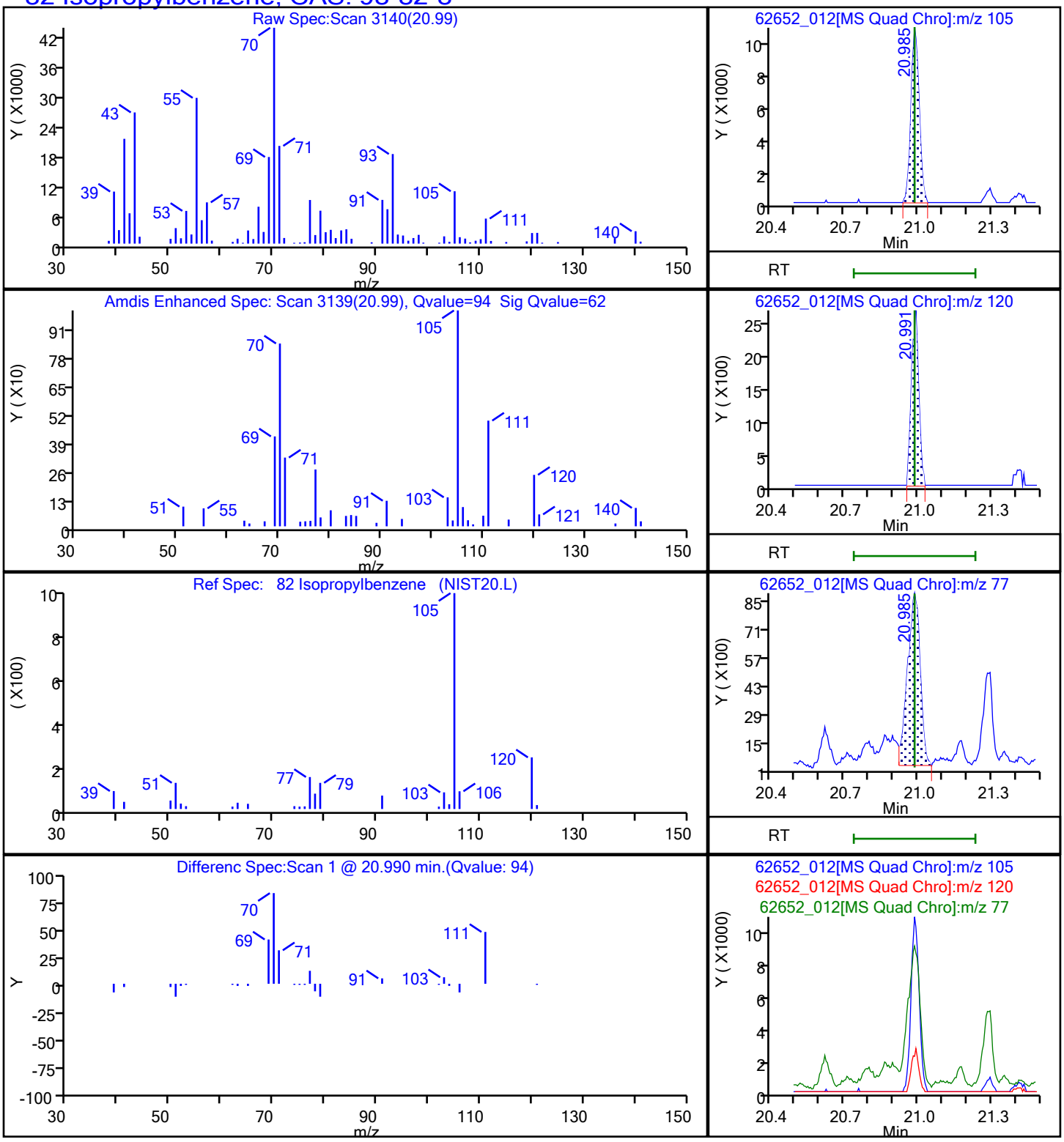
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8



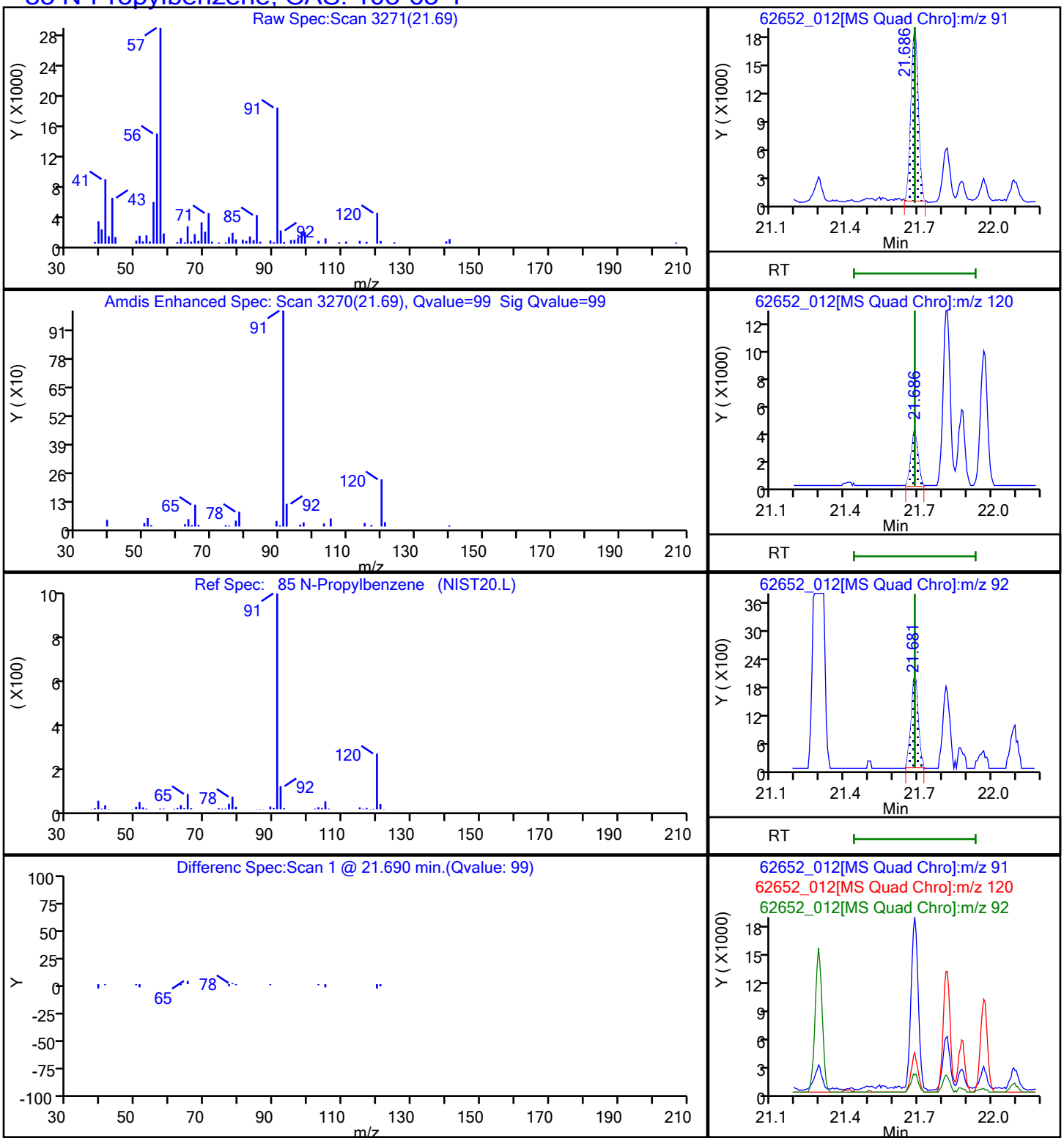
Report Date: 28-Oct-2024 07:38:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D

Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

85 N-Propylbenzene, CAS: 103-65-1

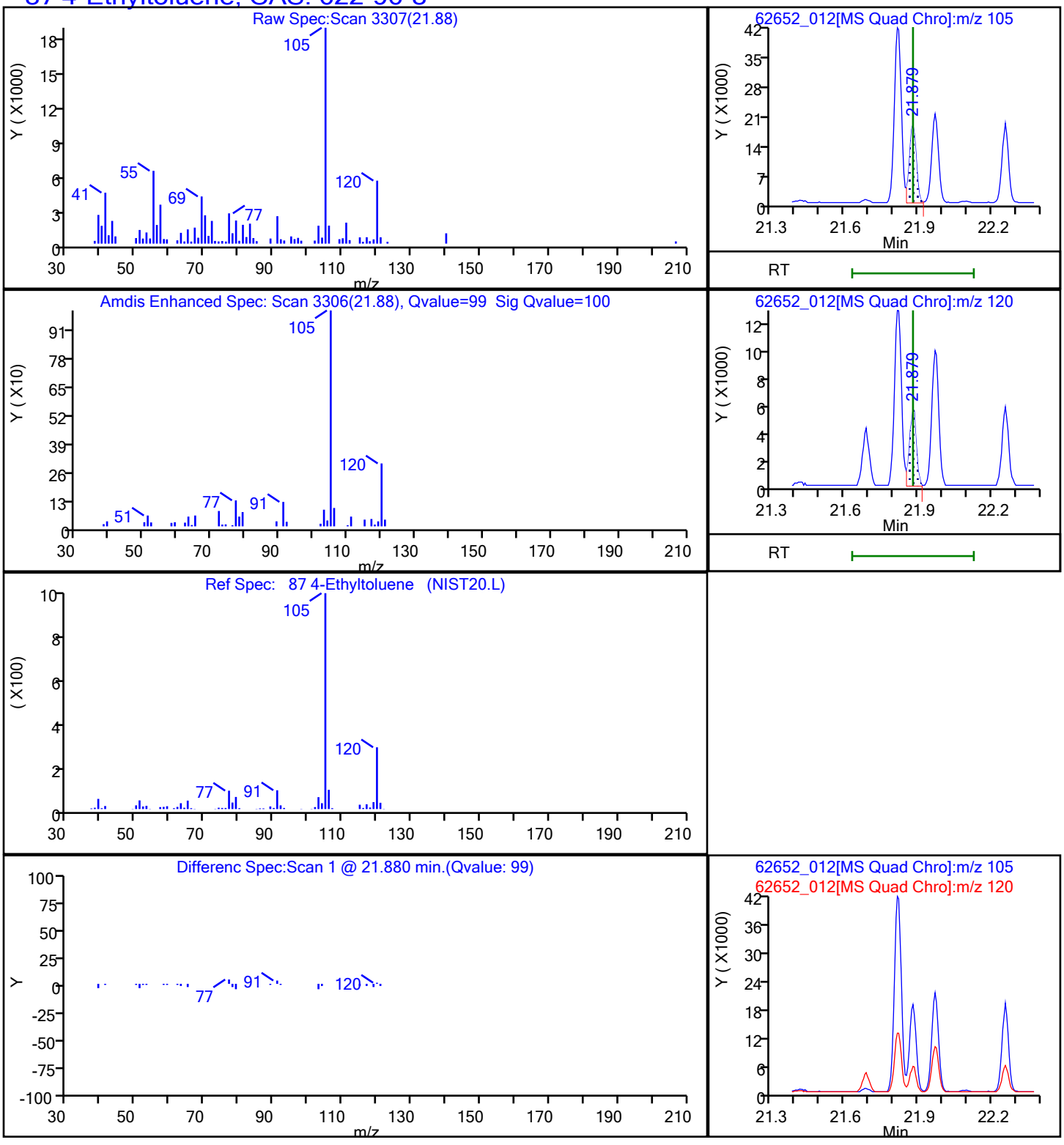


Report Date: 28-Oct-2024 07:38:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

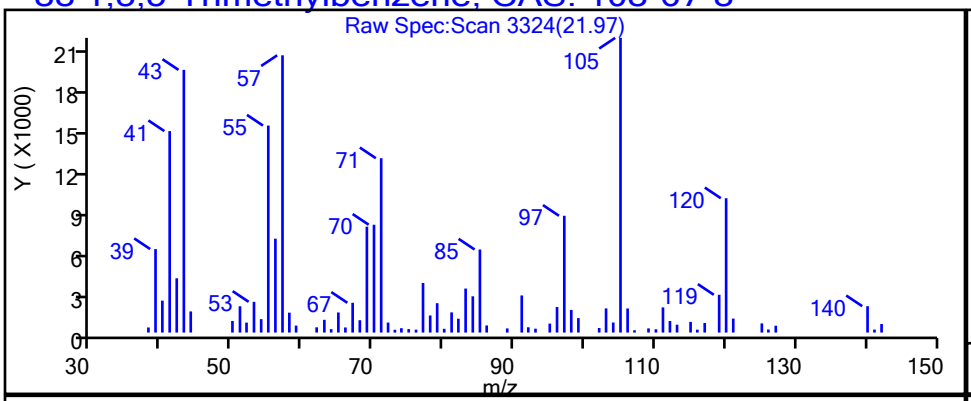


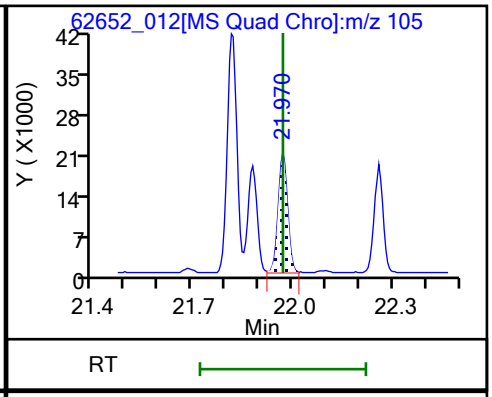
Report Date: 28-Oct-2024 07:38:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

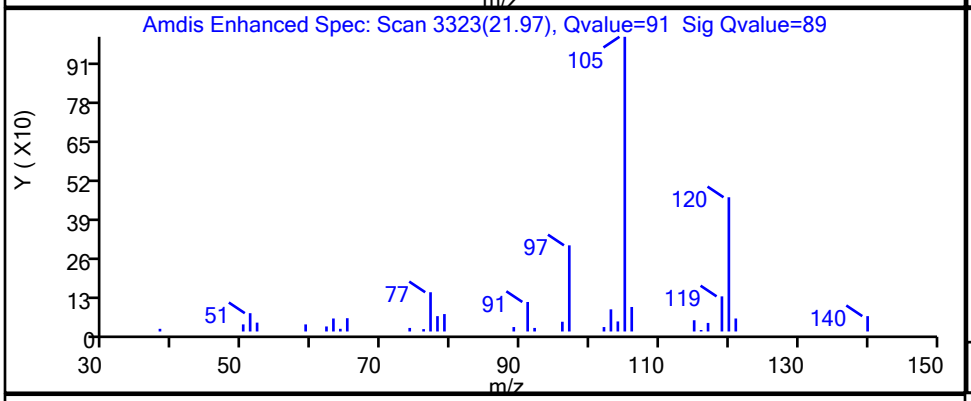
Eurofins Burlington

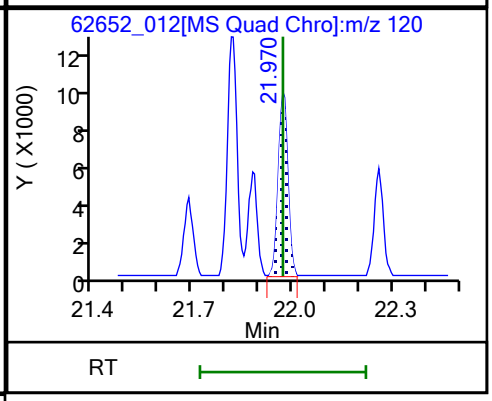
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

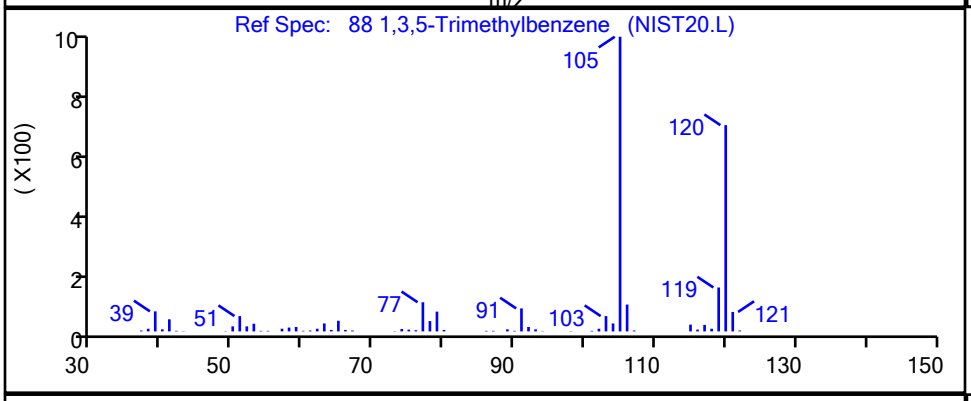
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

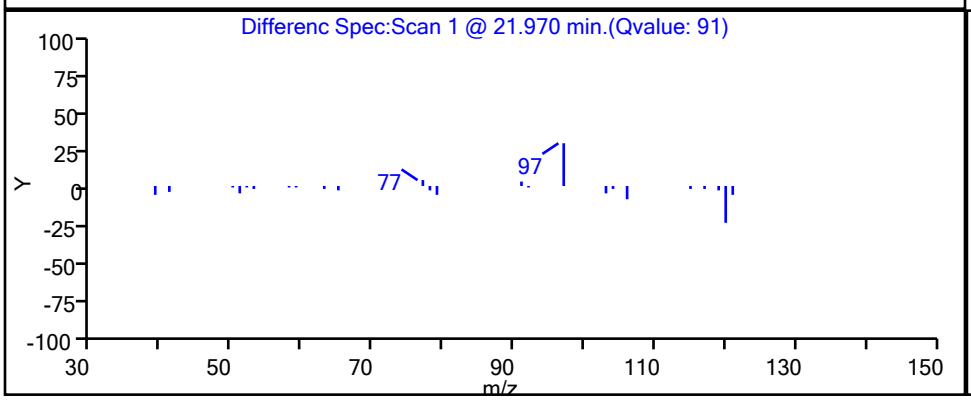


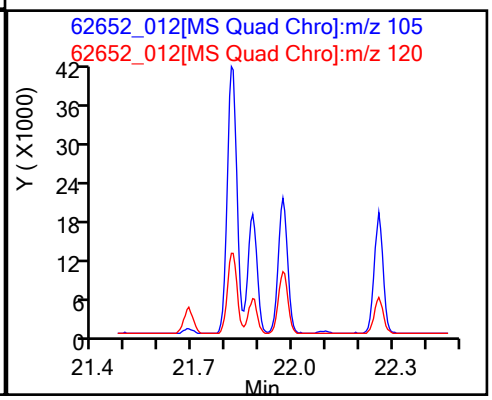










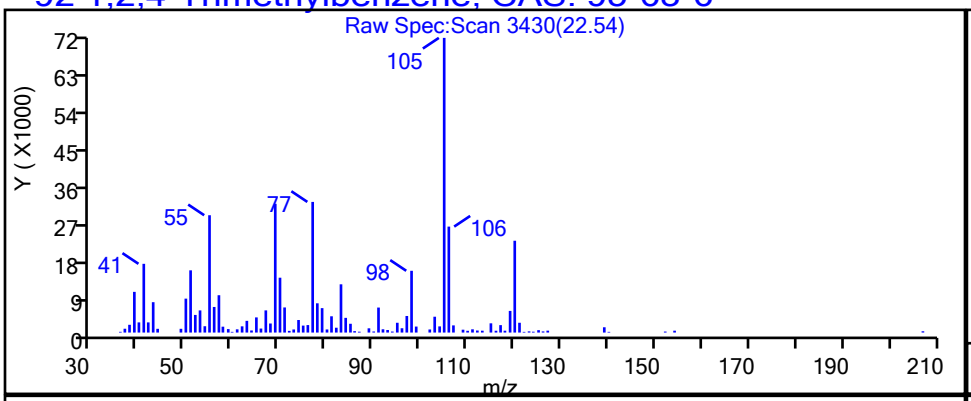


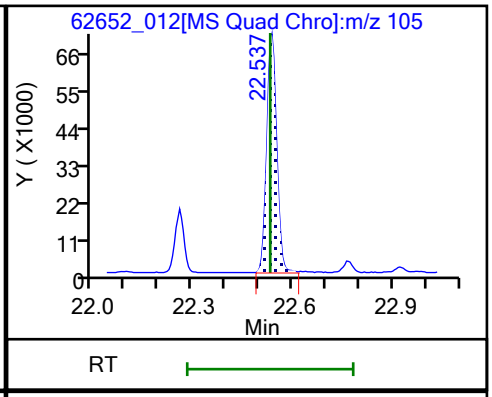
Report Date: 28-Oct-2024 07:38:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

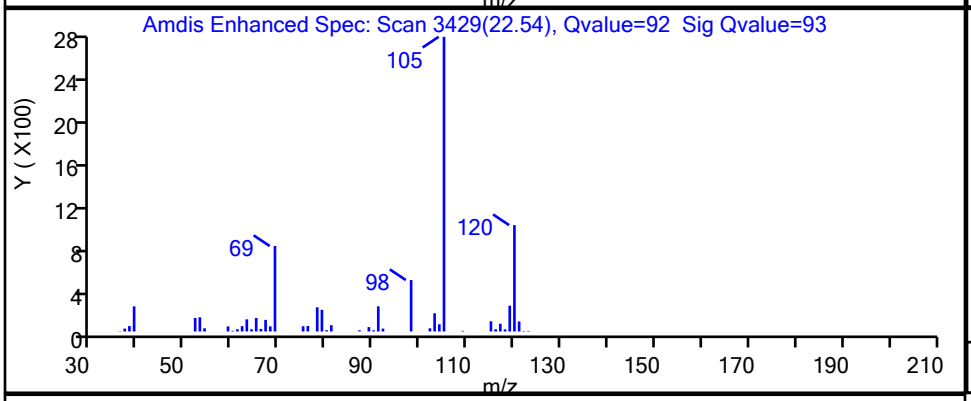
Eurofins Burlington

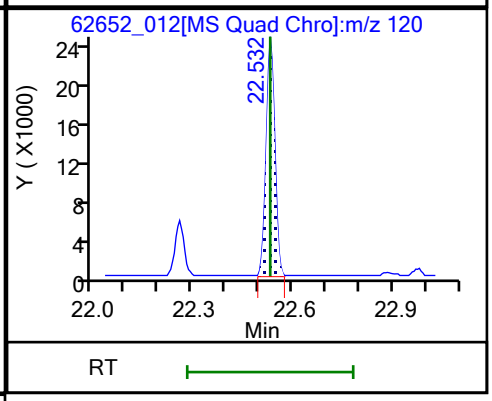
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

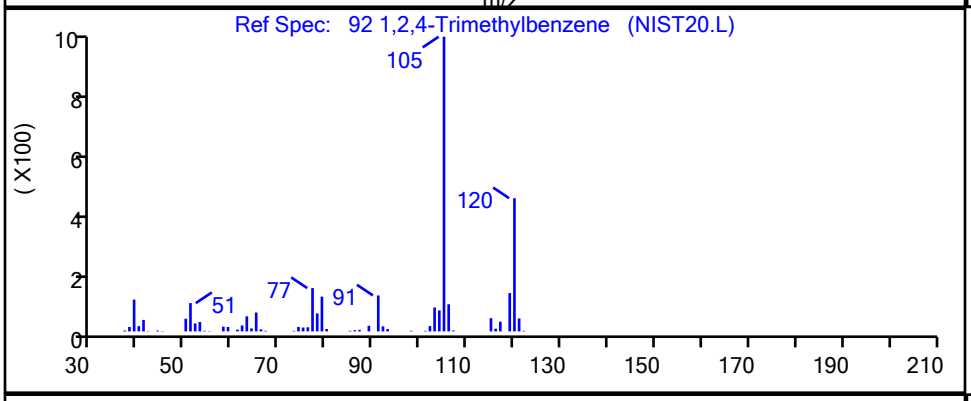
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

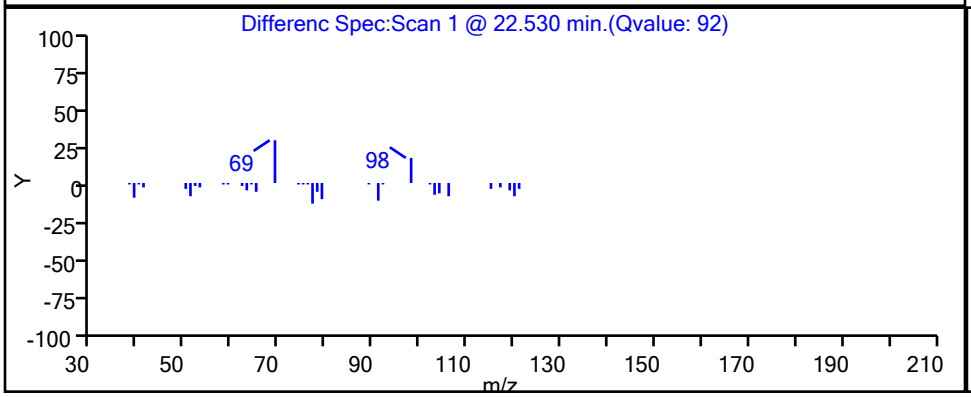


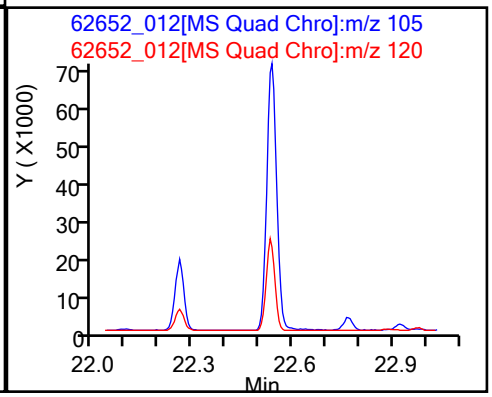










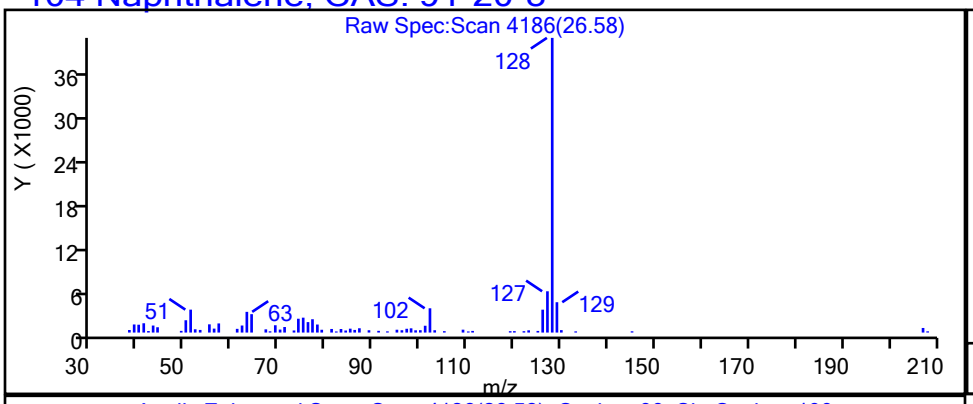


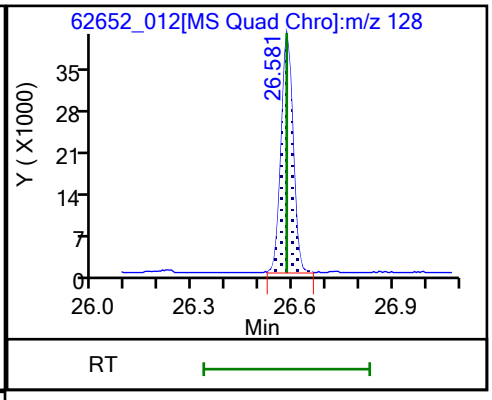
Report Date: 28-Oct-2024 07:38:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

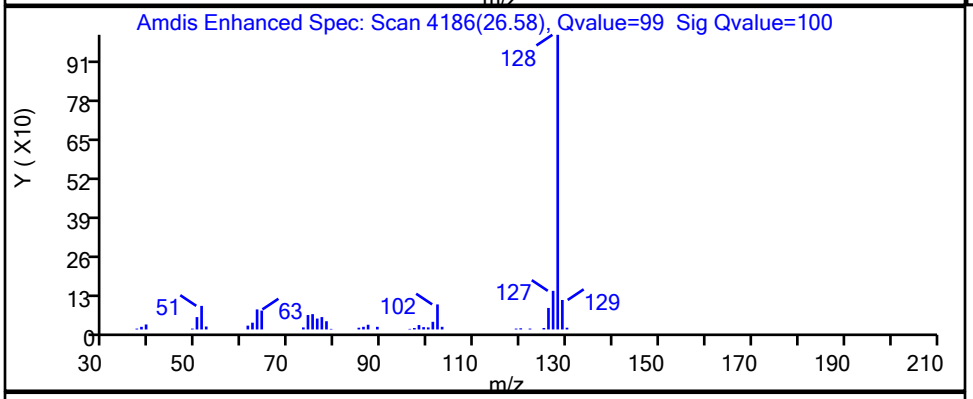
Eurofins Burlington

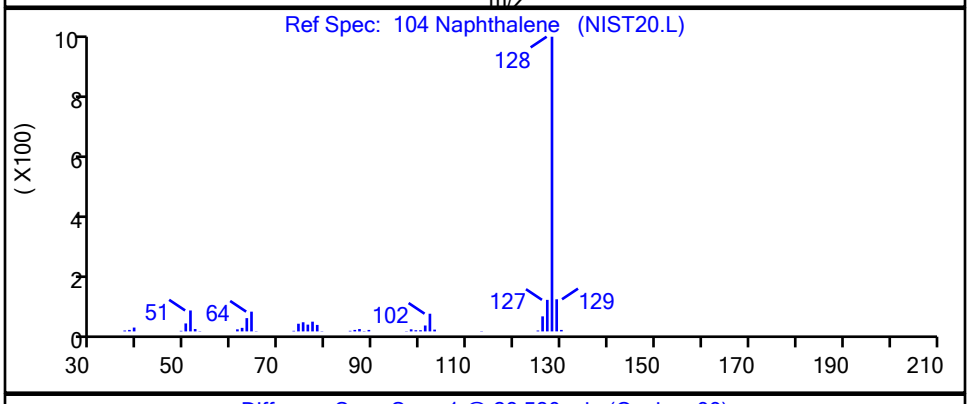
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

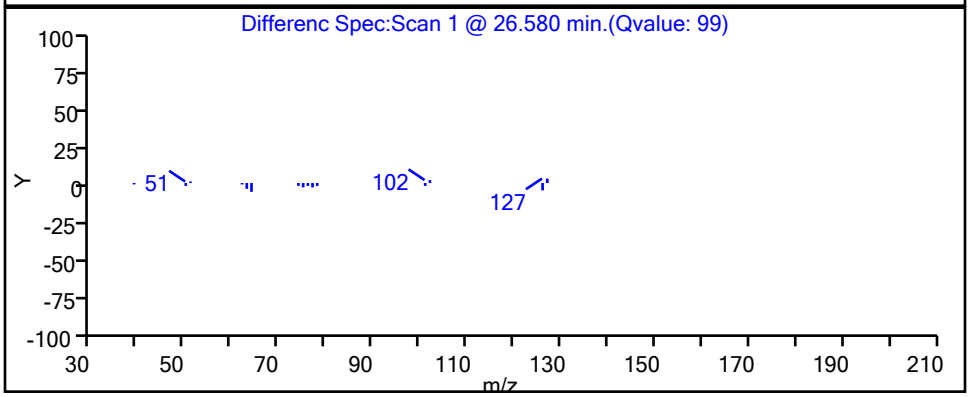
104 Naphthalene, CAS: 91-20-3











Manual Integration/User Assign Peak Report

Eurofins Burlington

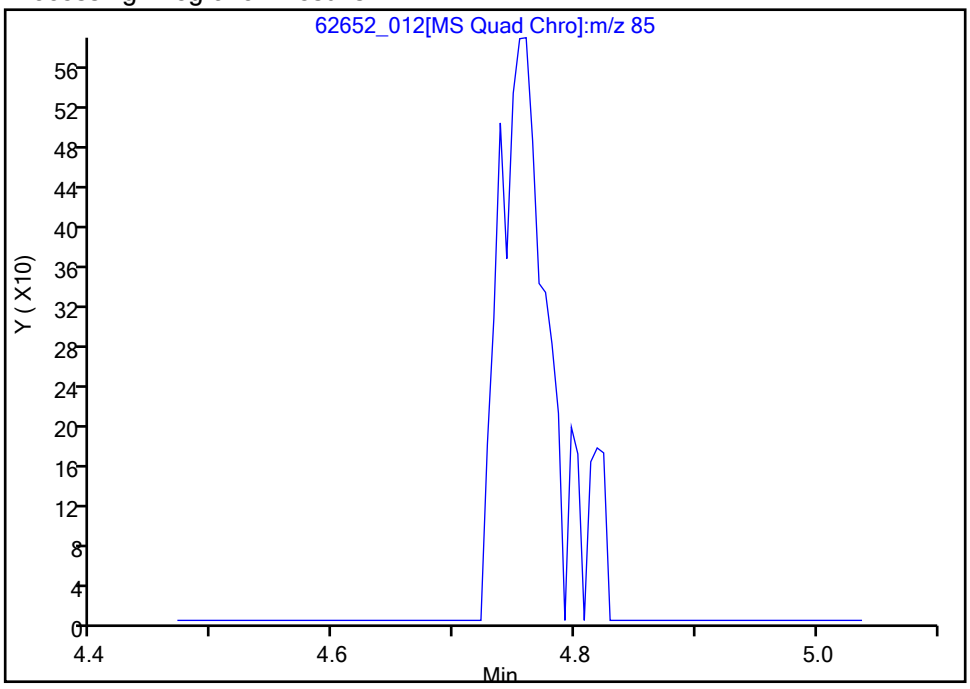
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoro, CAS: 76-14-2

Signal: 1

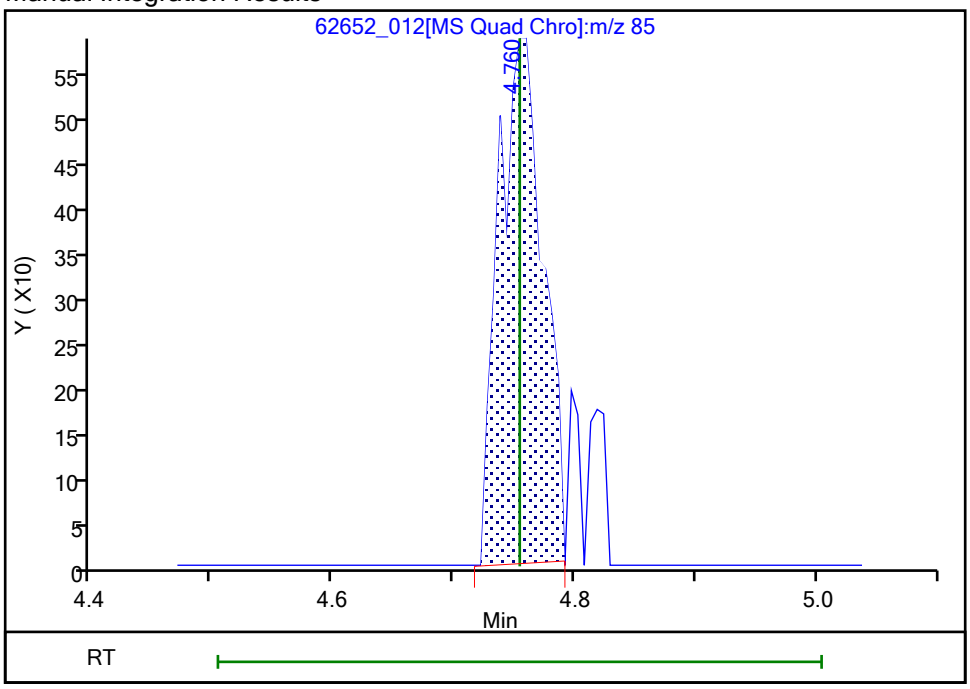
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.76
Area: 1499
Amount: 0.016152
Amount Units: ppb v/v



Reviewer: YWL8, 27-Oct-2024 20:57:11 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

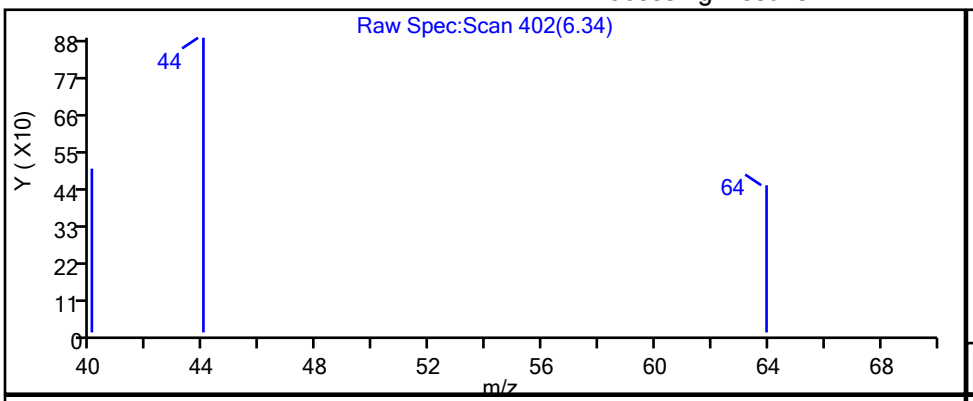
User Disabled Compound Report

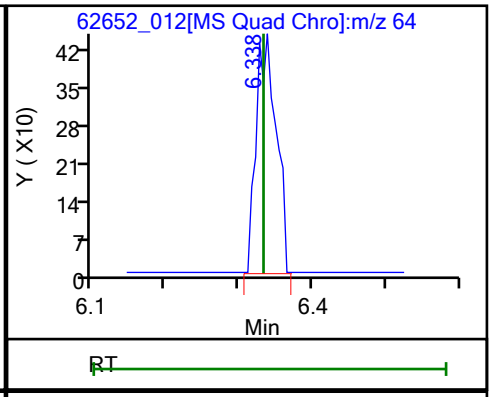
Eurofins Burlington

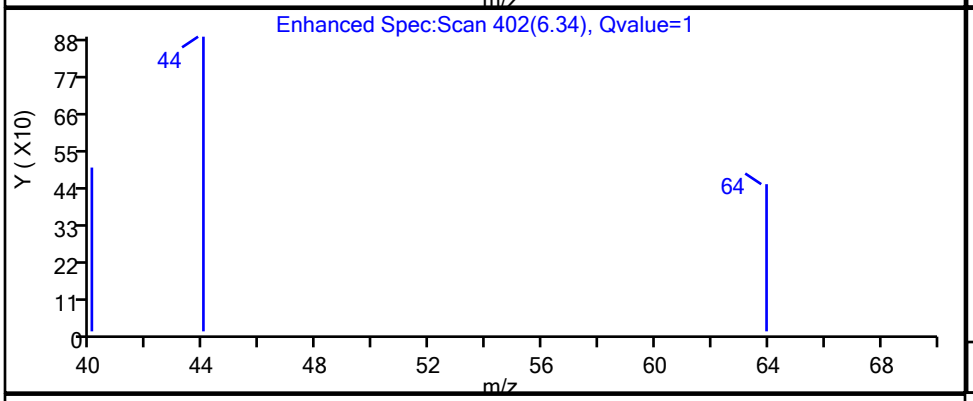
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

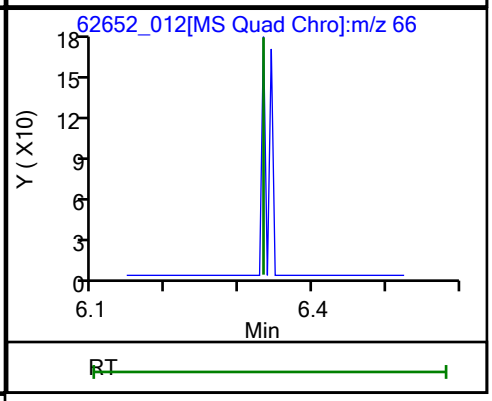
10 Chloroethane, CAS: 75-00-3

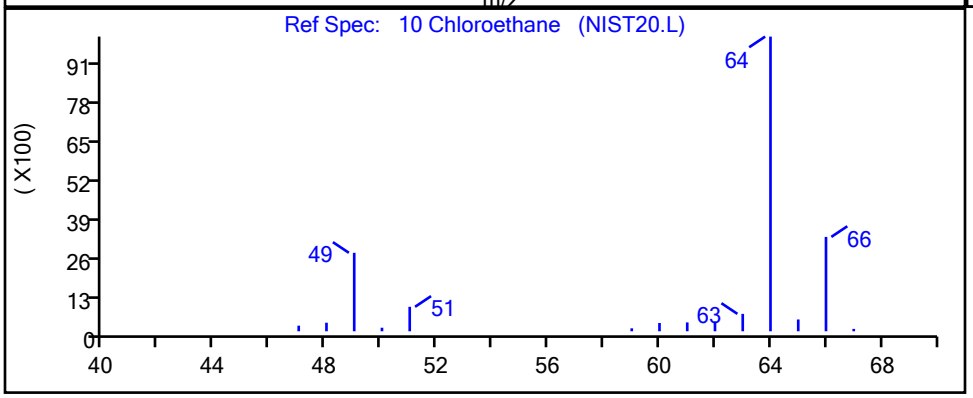
Processing Results











RT	Mass	Response	Amount
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6.33	66.00	0	

Reviewer: YWL8, 27-Oct-2024 20:57:21 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

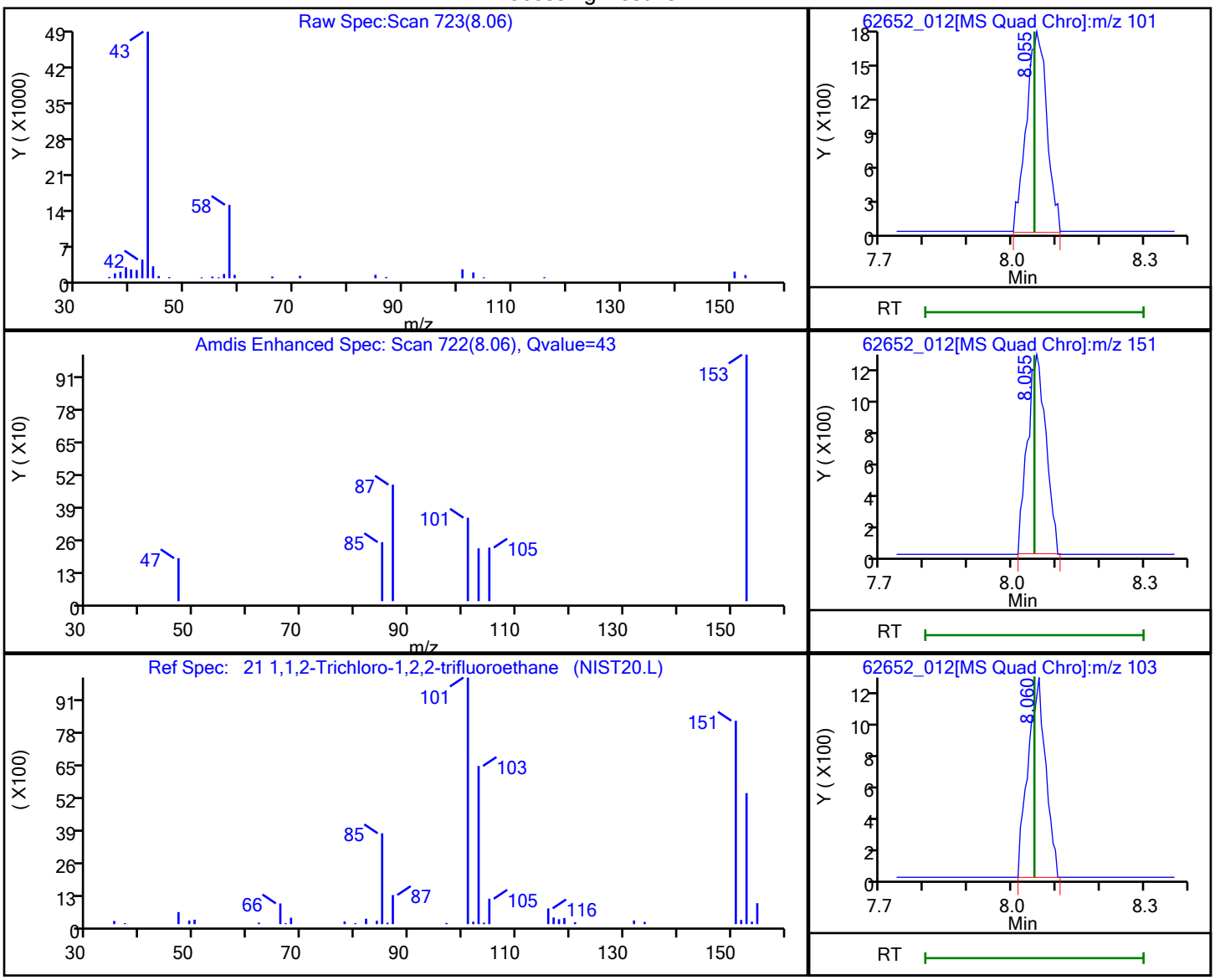
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
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8.06	151.00	3781	
8.06	103.00	3474	

Reviewer: YWL8, 27-Oct-2024 20:57:27 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

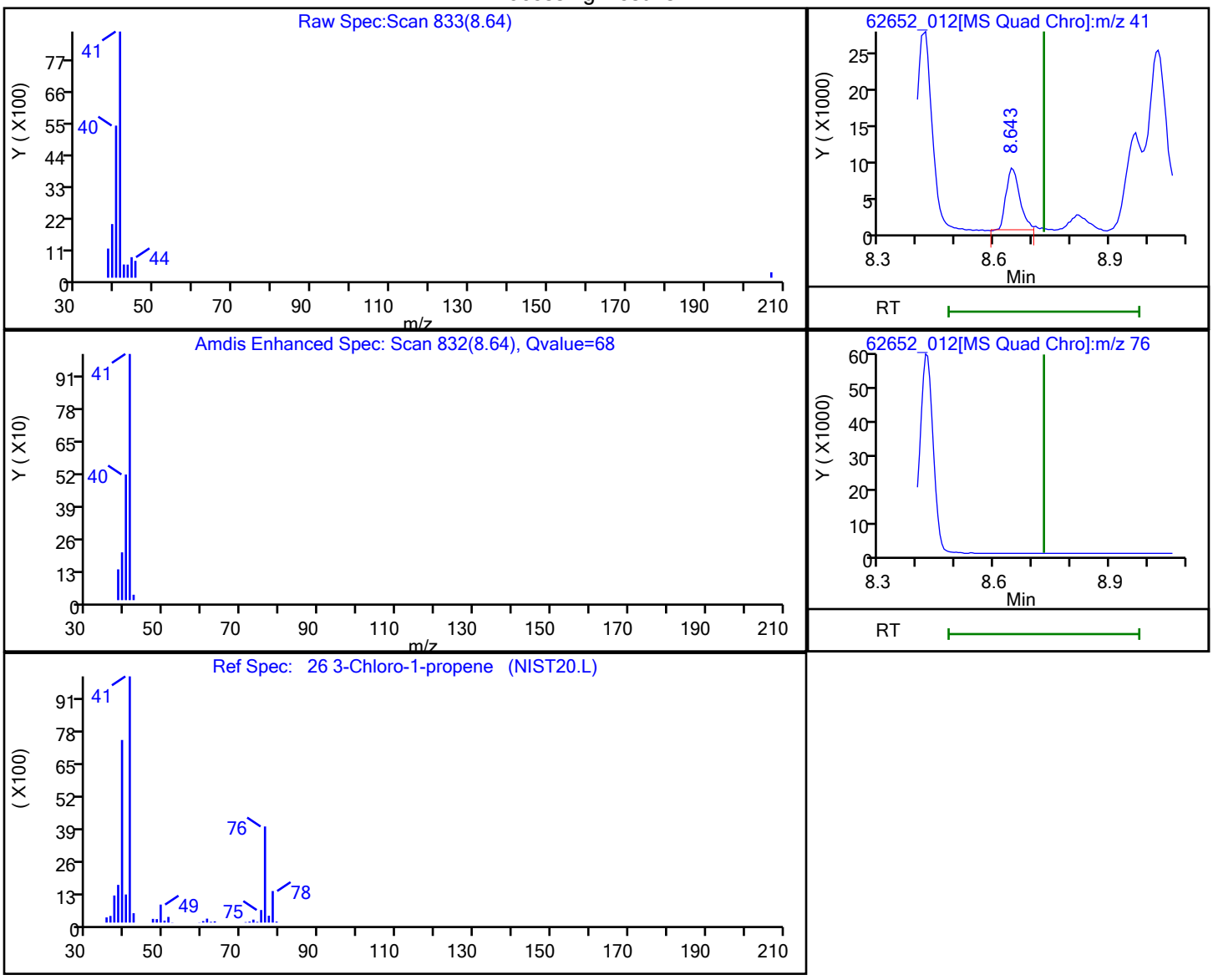
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
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8.73	76.00	0	

Reviewer: YWL8, 27-Oct-2024 20:57:53 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

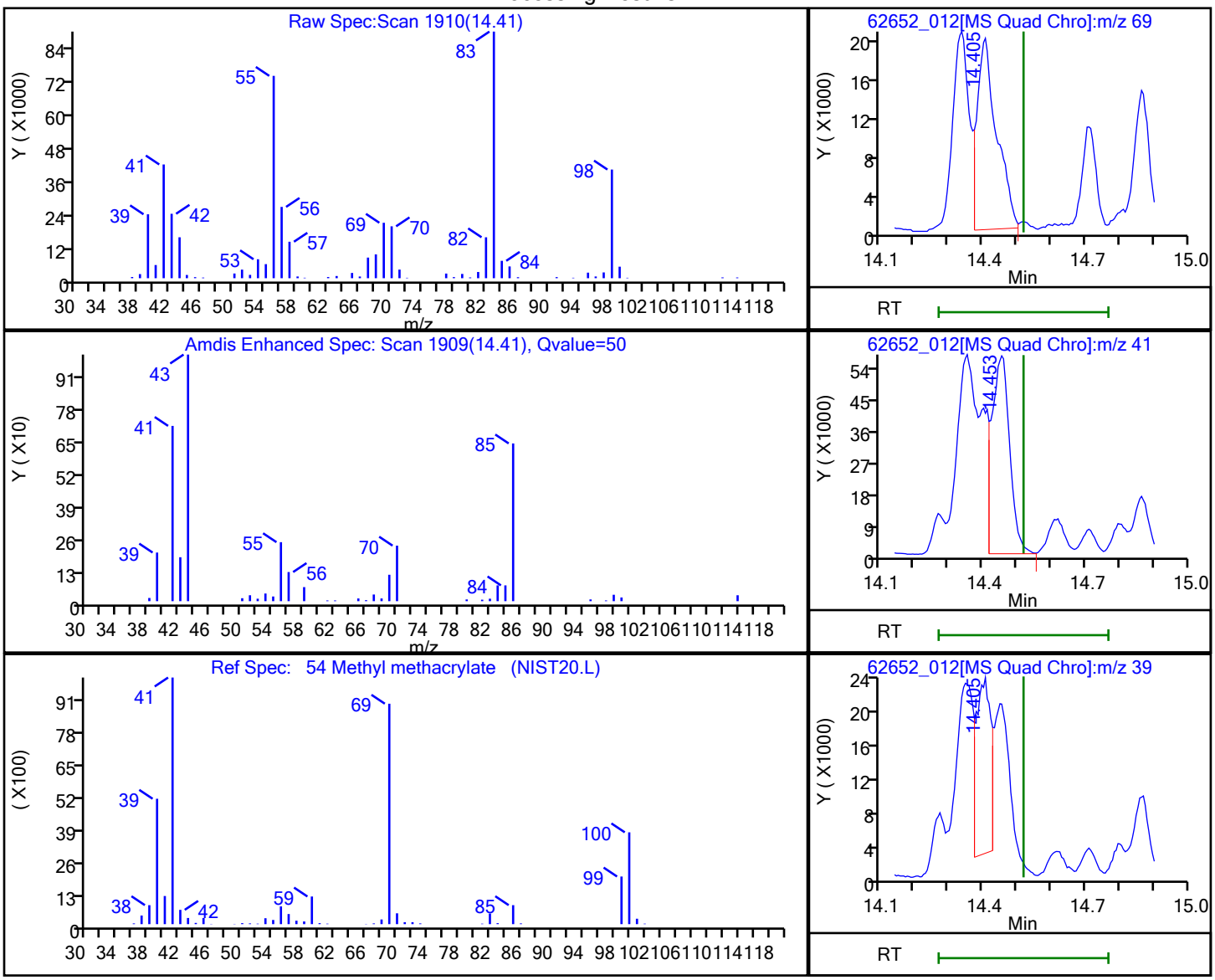
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
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14.45	41.00	206905	
14.41	39.00	60818	

Reviewer: YWL8, 27-Oct-2024 20:58:17 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

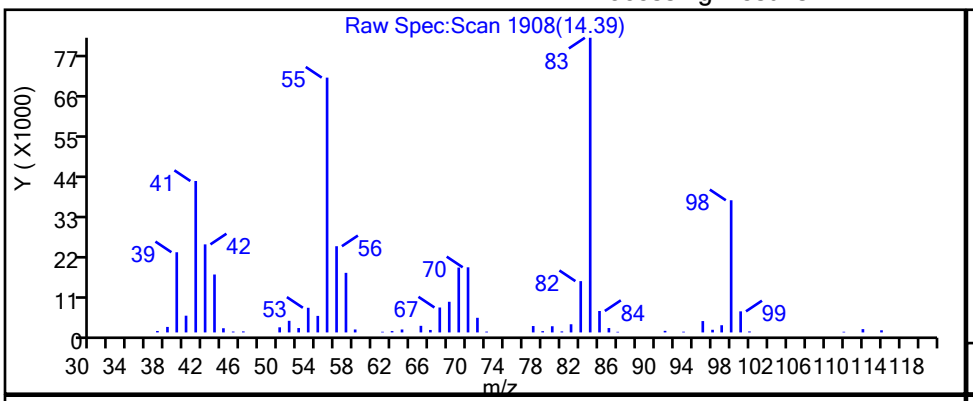
User Disabled Compound Report

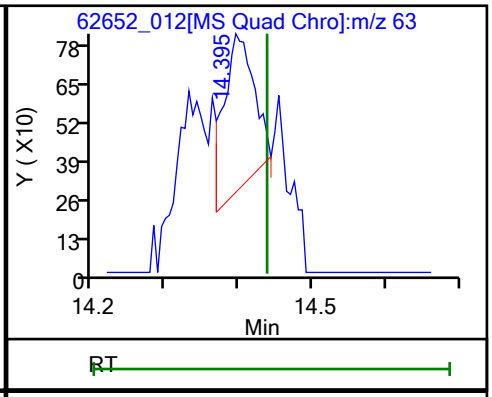
Eurofins Burlington

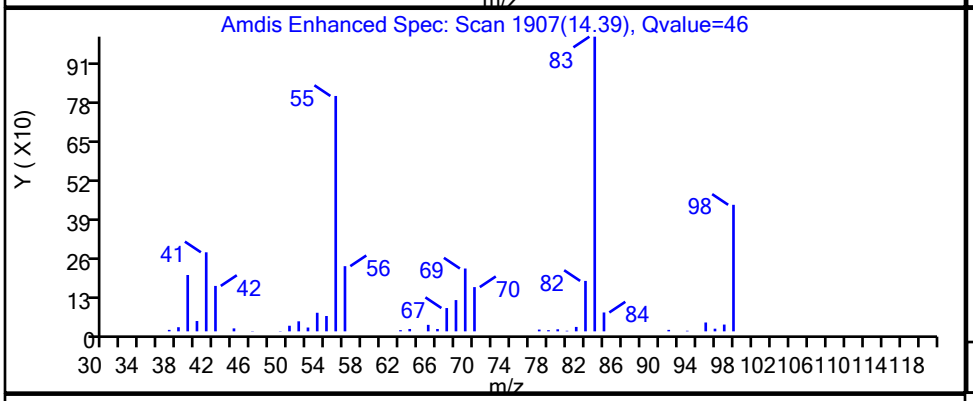
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

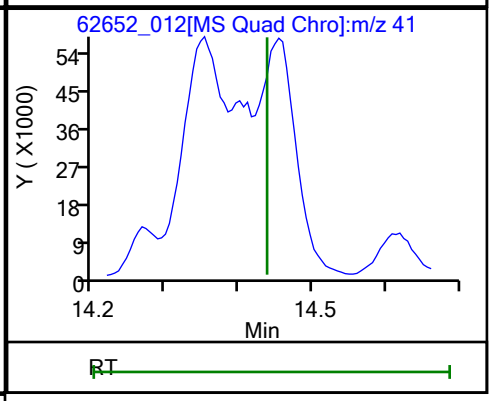
53 1,2-Dichloropropane, CAS: 78-87-5

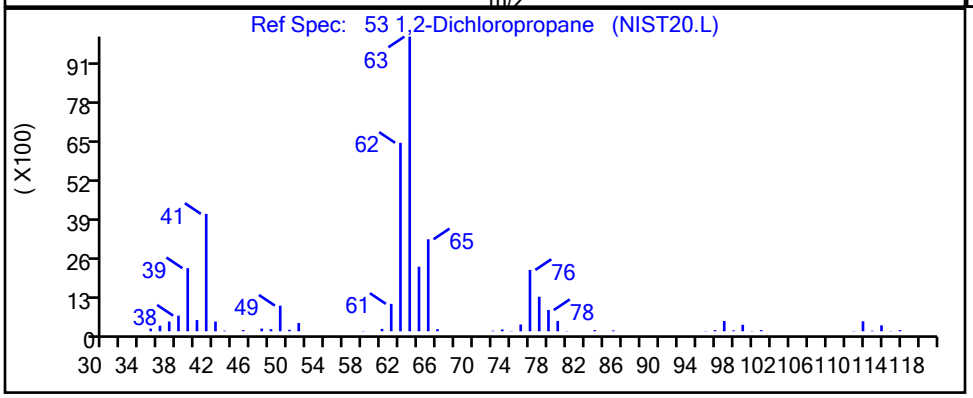
Processing Results











RT	Mass	Response	Amount
14.39	63.00	1564	0.030948
14.44	41.00	0	

Reviewer: YWL8, 27-Oct-2024 20:58:15 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

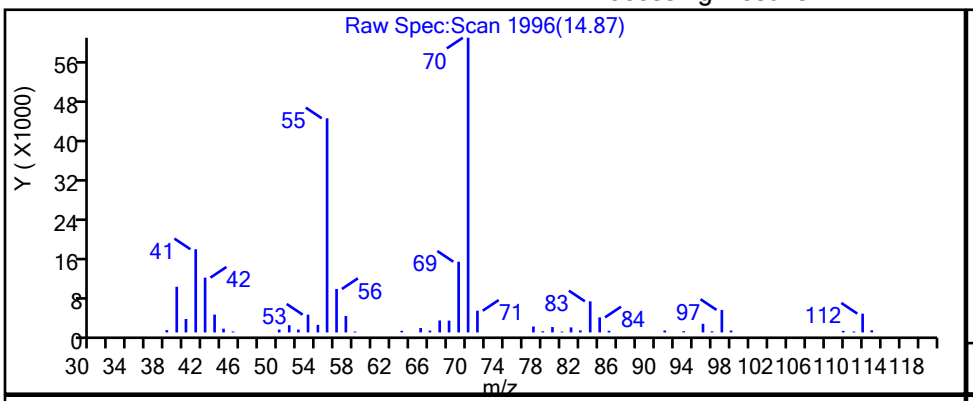
User Disabled Compound Report

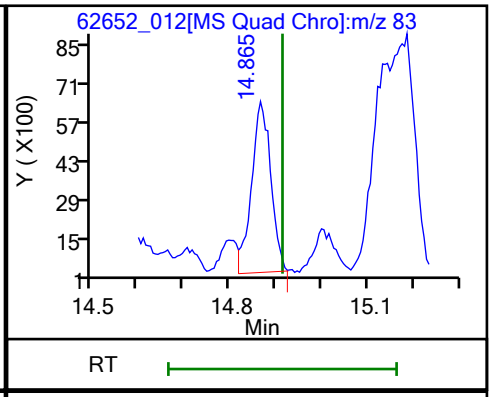
Eurofins Burlington

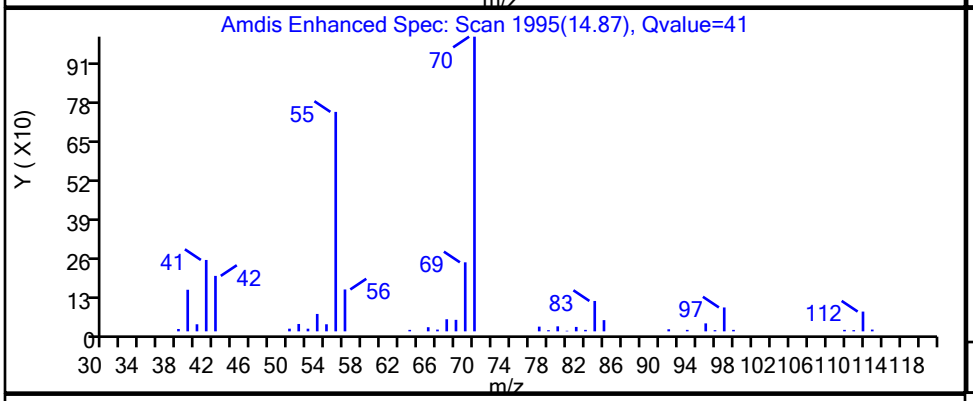
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

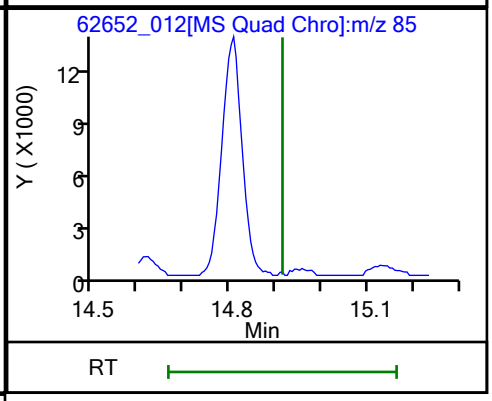
58 Dichlorobromomethane, CAS: 75-27-4

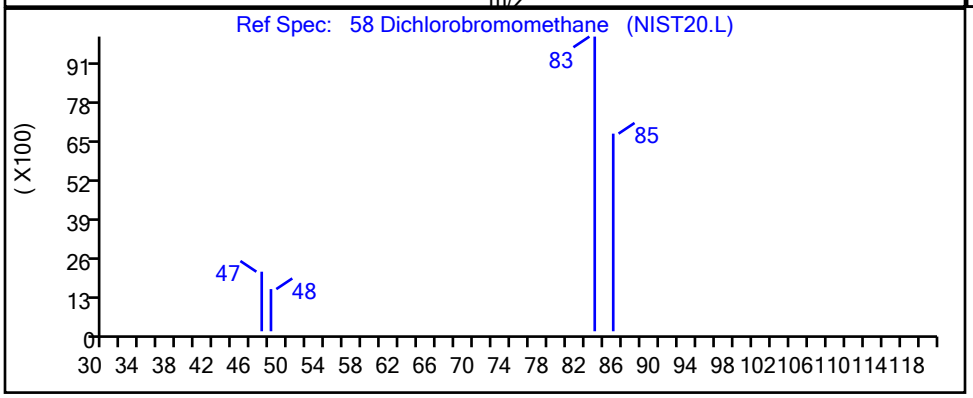
Processing Results











RT	Mass	Response	Amount
14.87	83.00	18086	0.177315
14.91	85.00	0	

Reviewer: YWL8, 27-Oct-2024 20:58:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

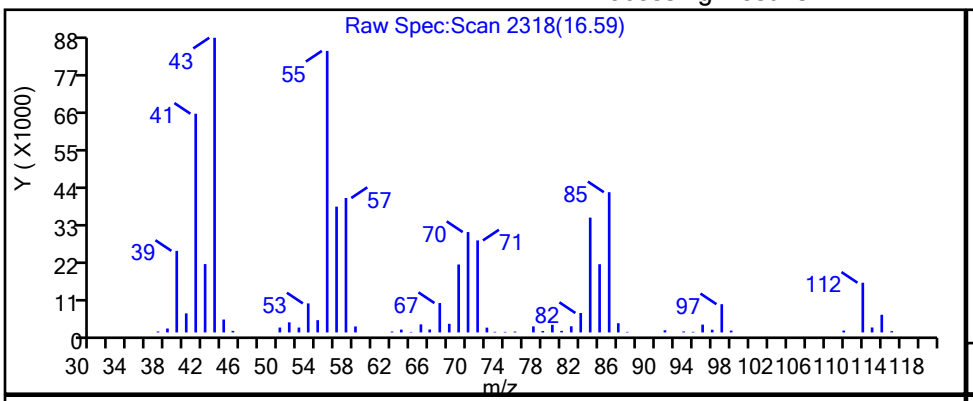
User Disabled Compound Report

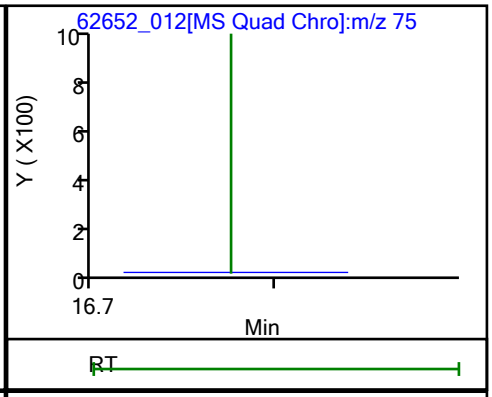
Eurofins Burlington

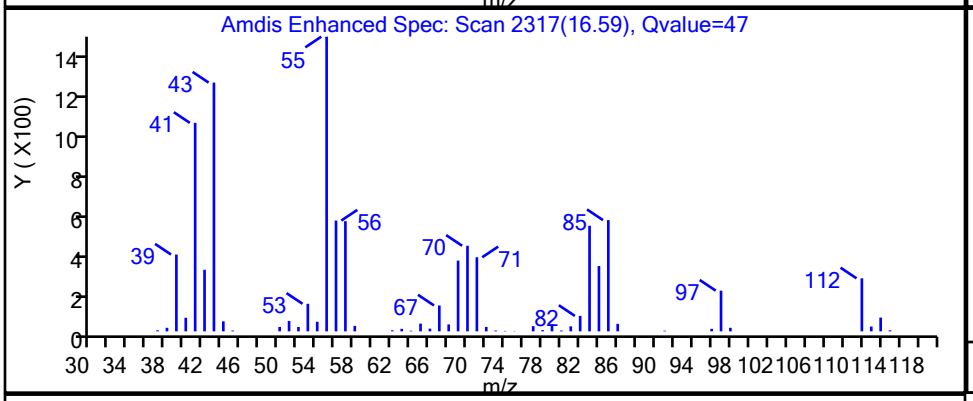
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

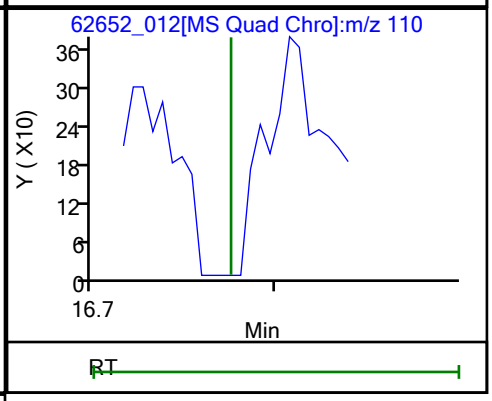
66 trans-1,3-Dichloropropene, CAS: 10061-02-6

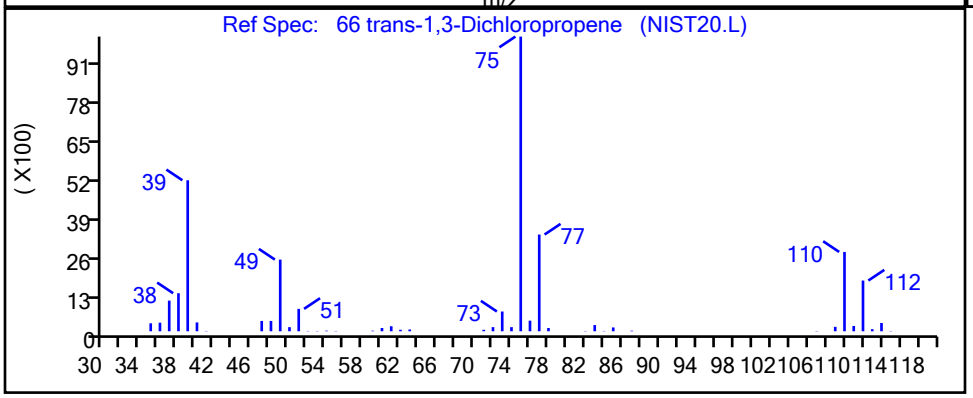
Processing Results











RT	Mass	Response	Amount
16.59	75.00	201	0.002891
16.60	110.00	1654	

Reviewer: YWL8, 27-Oct-2024 20:58:28 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

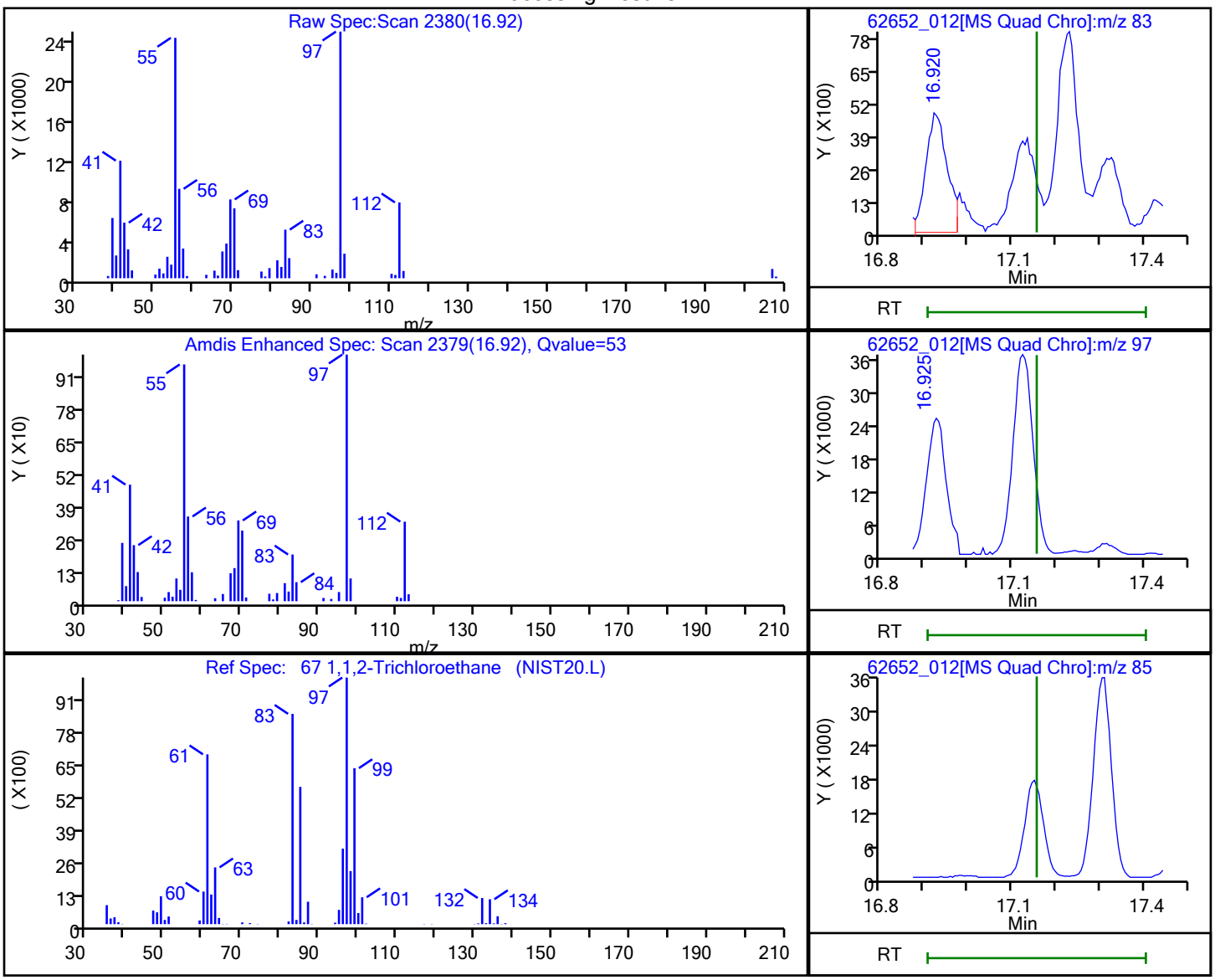
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
16.92	83.00	16040	0.303043
16.92	97.00	78573	
17.16	85.00	0	

Reviewer: BKZ7, 28-Oct-2024 07:38:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Burlington

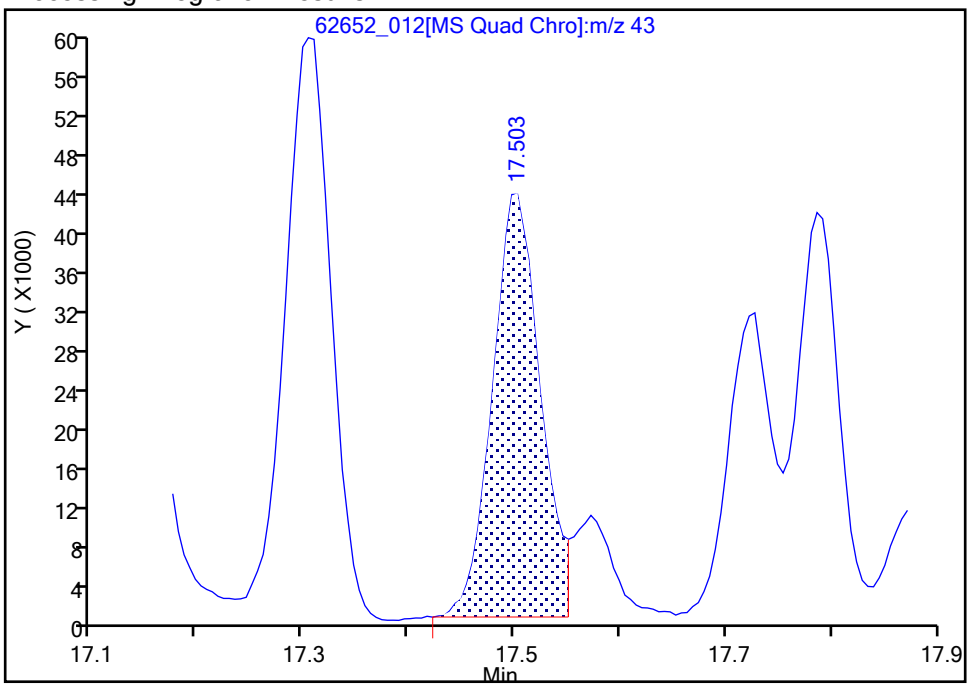
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

69 2-Hexanone, CAS: 591-78-6

Signal: 1

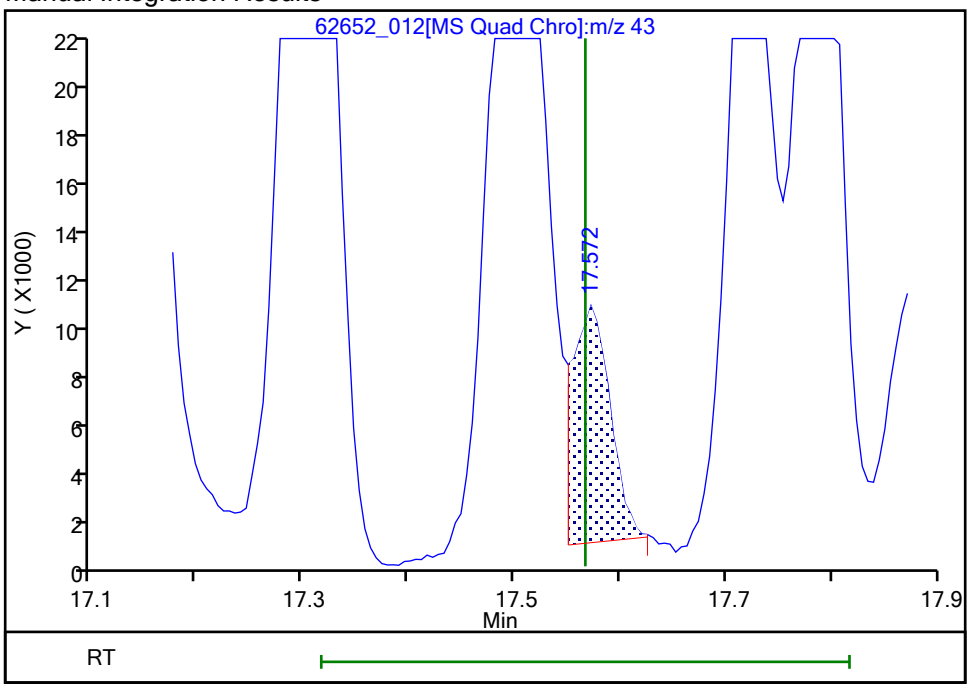
Processing Integration Results

RT: 17.50
Area: 136544
Amount: 1.563299
Amount Units: ppb v/v



Manual Integration Results

RT: 17.57
Area: 24308
Amount: 0.278304
Amount Units: ppb v/v



Reviewer: YWL8, 27-Oct-2024 20:58:56 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

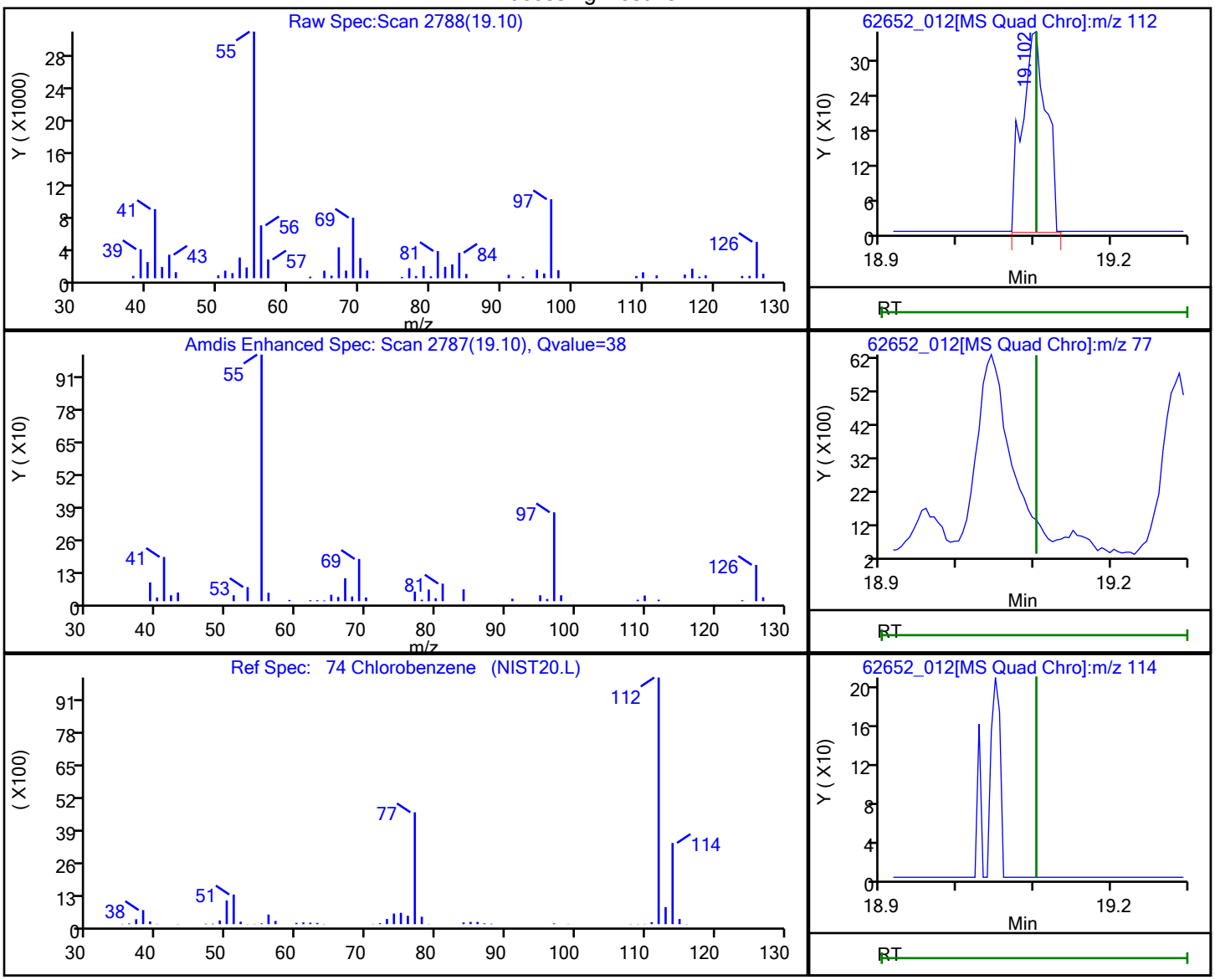
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

74 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
19.10	112.00	760	0.005456
19.10	77.00	0	
19.10	114.00	0	

Reviewer: YWL8, 27-Oct-2024 20:59:29 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

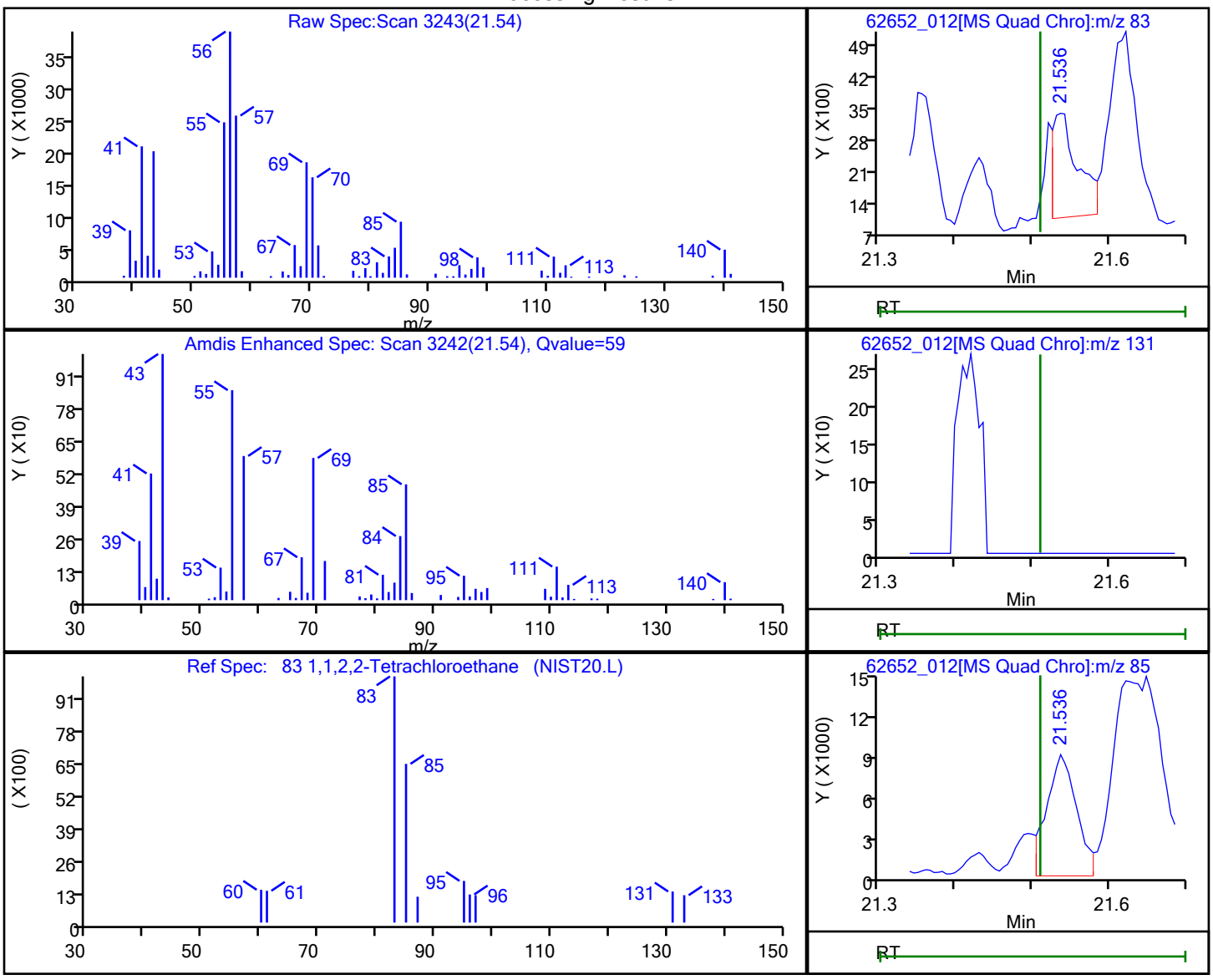
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.54	83.00	5396	0.038882
21.51	131.00	0	
21.54	85.00	23504	

Reviewer: YWL8, 27-Oct-2024 20:59:47 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

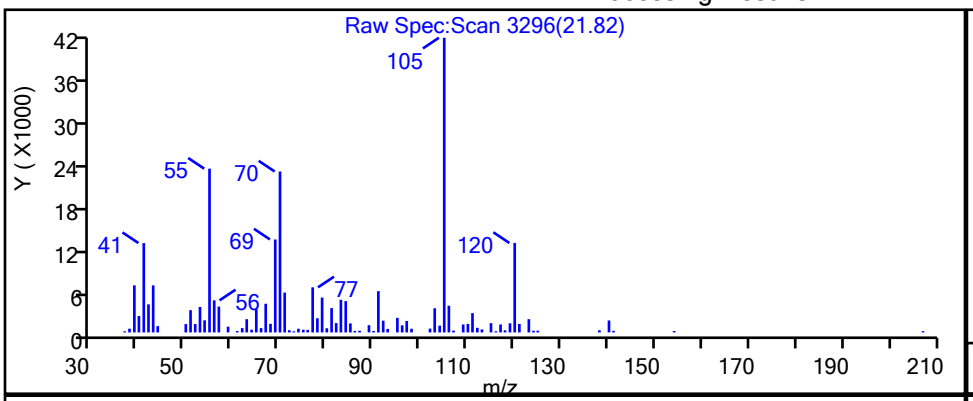
User Disabled Compound Report

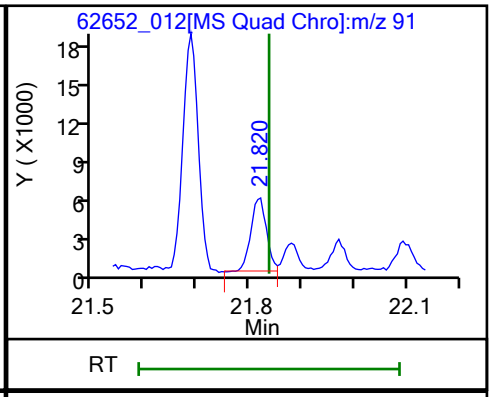
Eurofins Burlington

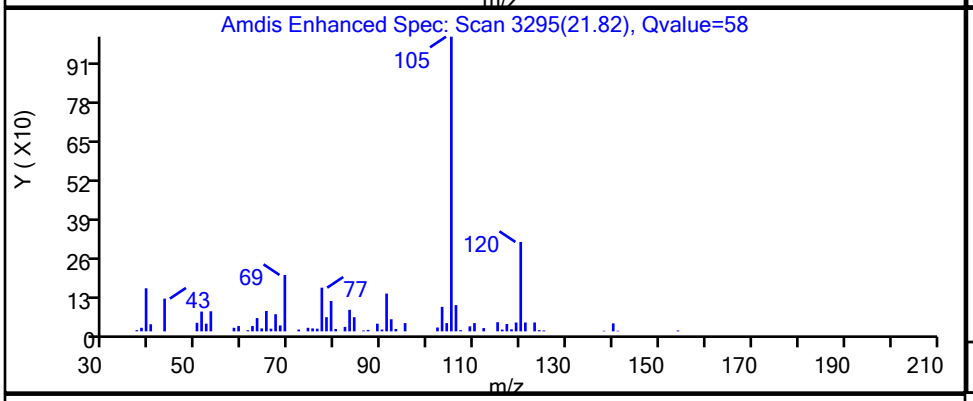
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

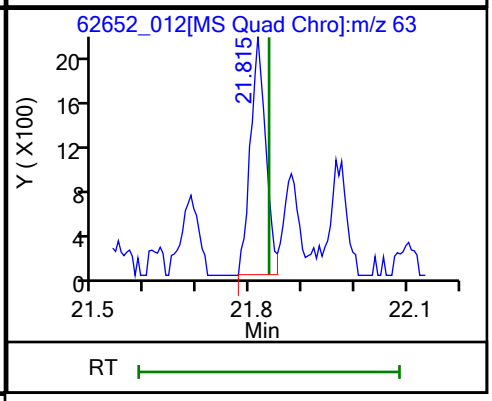
86 2-Chlorotoluene, CAS: 95-49-8

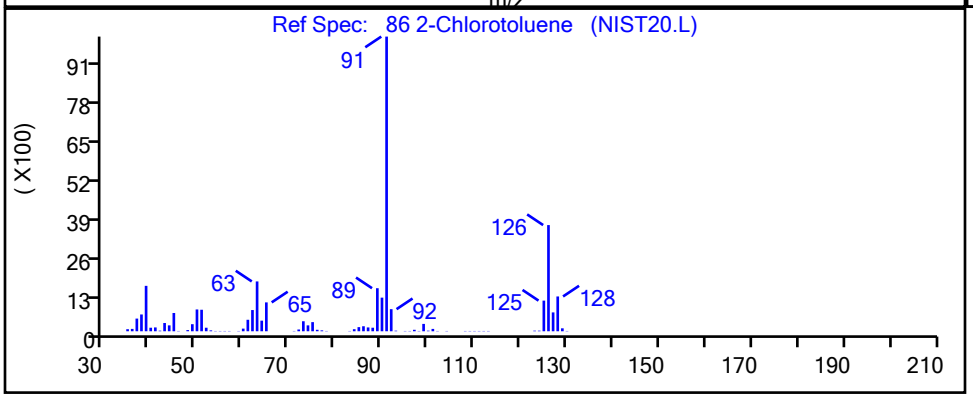
Processing Results











RT	Mass	Response	Amount
21.82	91.00	11852	0.060776
21.81	63.00	4471	

Reviewer: YWL8, 27-Oct-2024 20:59:52 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

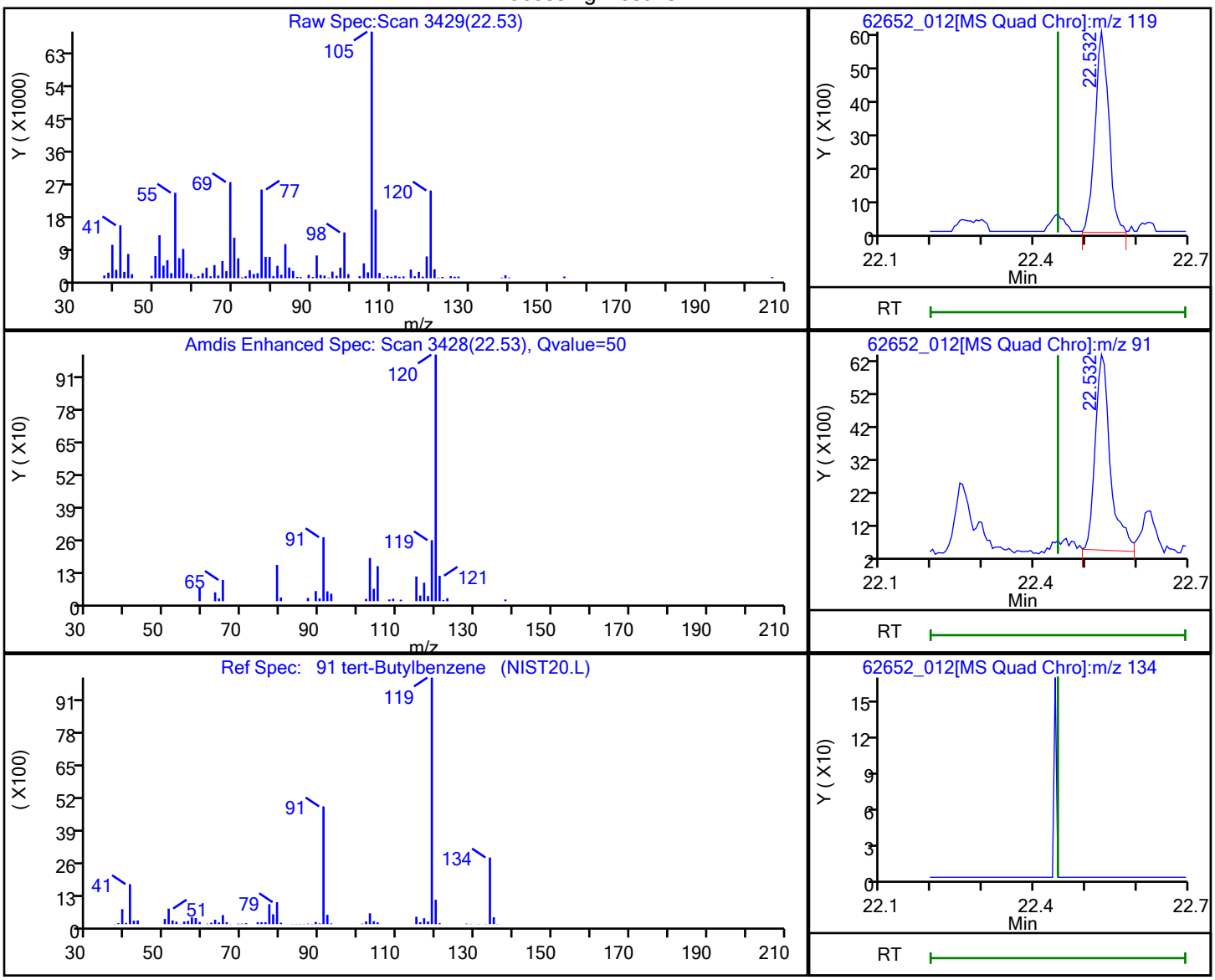
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
22.53	119.00	11198	0.058079
22.53	91.00	12303	
22.45	134.00	0	

Reviewer: YWL8, 27-Oct-2024 20:59:56 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

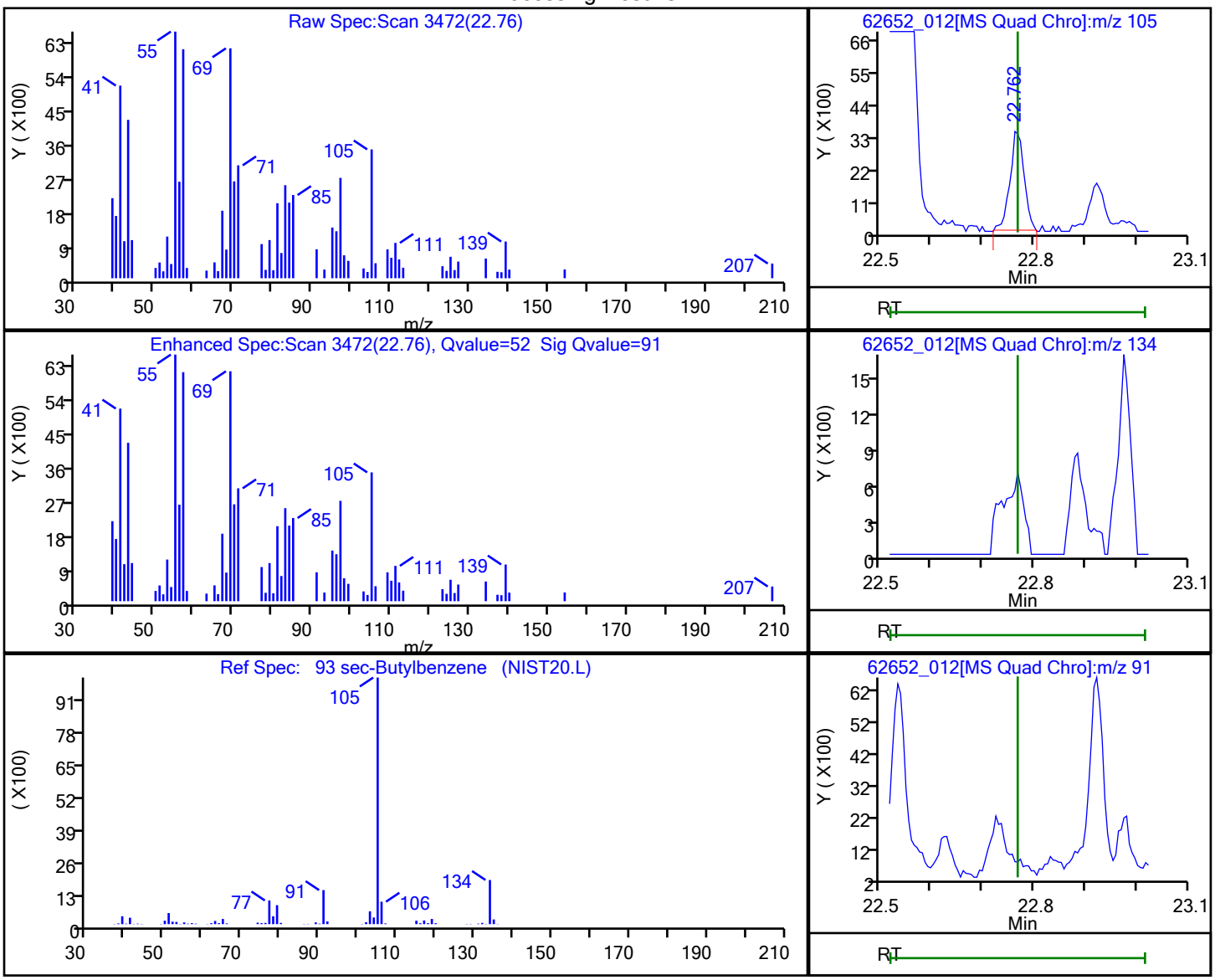
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
22.76	105.00	6525	0.022174
22.77	134.00	0	
22.77	91.00	0	

Reviewer: BKZ7, 28-Oct-2024 07:38:26 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

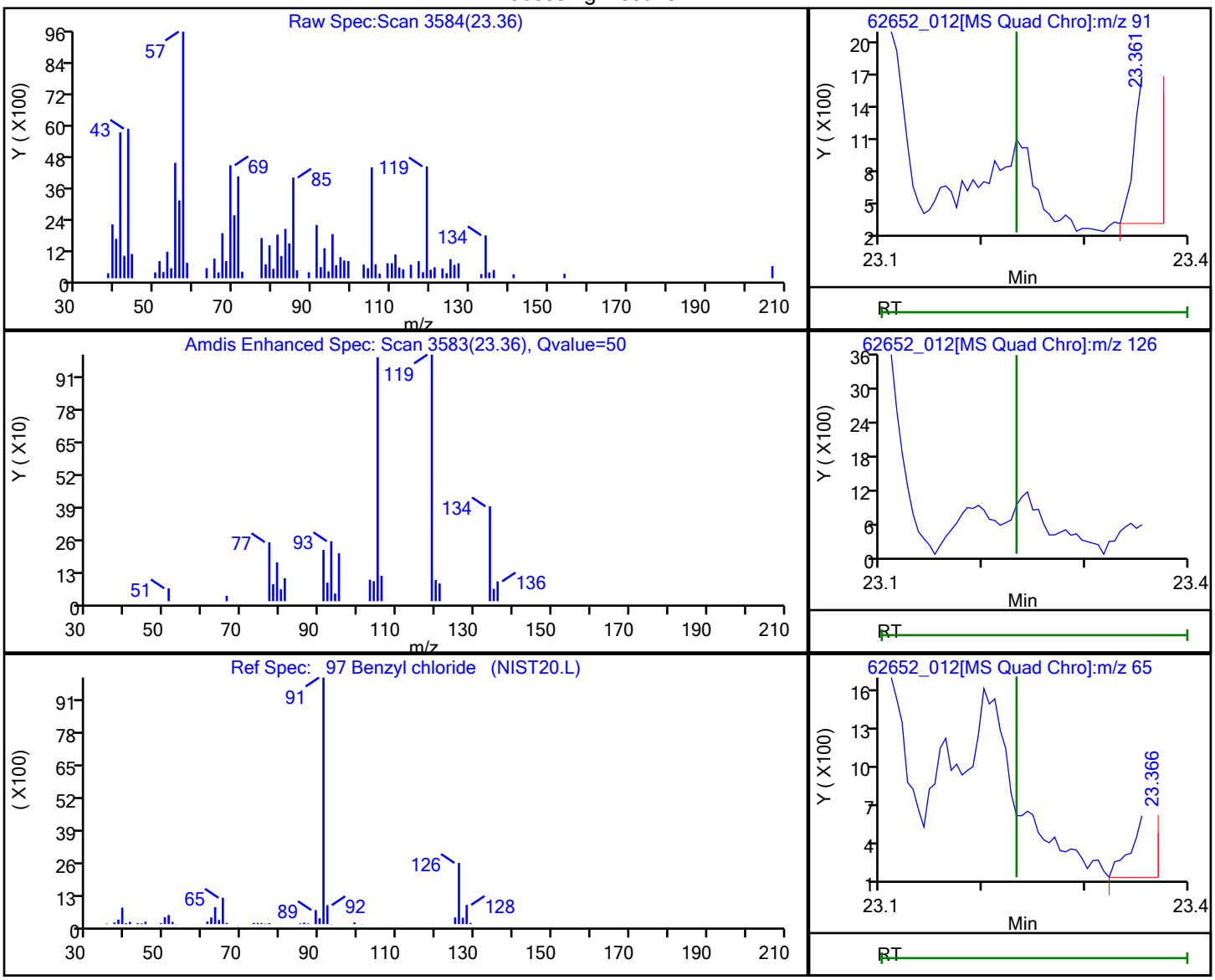
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.36	91.00	2866	0.015410
23.23	126.00	0	
23.37	65.00	958	

Reviewer: YWL8, 27-Oct-2024 21:00:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

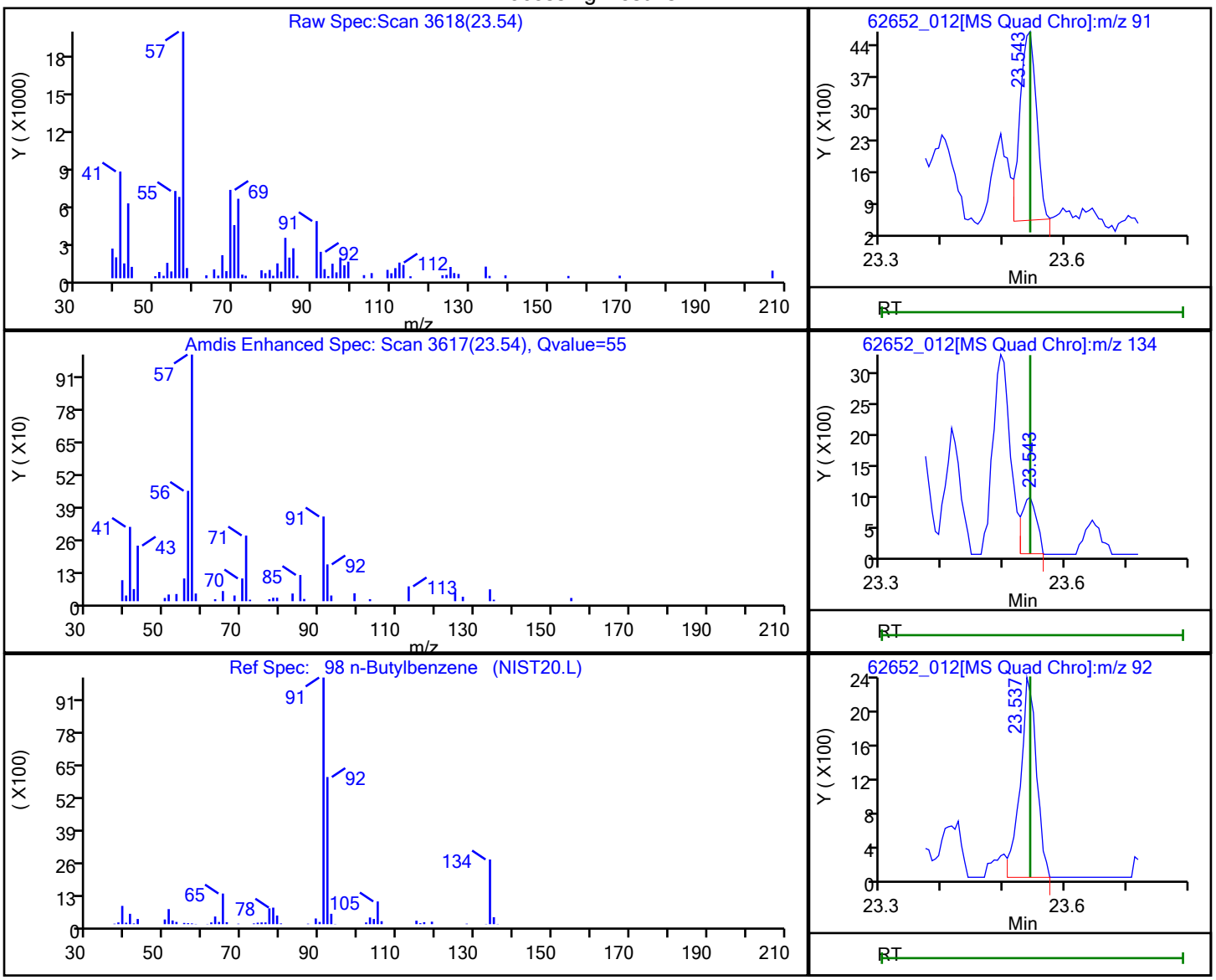
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_012.D				
Injection Date:	25-Oct-2024 16:41:29	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-1	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
23.54	91.00	7662	0.031474
23.54	134.00	1569	
23.54	92.00	4225	

Reviewer: BKZ7, 28-Oct-2024 07:38:35 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-1_10232024 DL Lab Sample ID: 200-75561-1 DL

Matrix: Air Lab File ID: 62676_009.D

Analysis Method: TO-15 Date Collected: 10/23/2024 13:05

Sample wt/vol: 40(mL) Date Analyzed: 10/27/2024 18:06

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	410	D	59	19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-1_10232024 DL Lab Sample ID: 200-75561-1 DL

Matrix: Air Lab File ID: 62676_009.D

Analysis Method: TO-15 Date Collected: 10/23/2024 13:05

Sample wt/vol: 40(mL) Date Analyzed: 10/27/2024 18:06

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	170	D	25	8.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_009.D
Lims ID: 200-75561-A-1 DL
Client ID: SV-1_10232024
Sample Type: Client
Inject. Date: 27-Oct-2024 18:06:10 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0062676-009
Misc. Info.: 75561-1 dl
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 11:01:03 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: YWL8 Date: 28-Oct-2024 09:03:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.449	4.454	-0.005	99	26778	0.1341	
3 Chlorodifluoromethane	51	4.498	4.503	-0.005	97	14314	0.1021	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.824				ND	
5 Chloromethane	50	4.936	4.941	-0.005	99	29407	0.3587	
6 Vinyl chloride	62		5.235				ND	7
7 Butane	43	5.236	5.241	-0.005	99	140977	1.28	
8 Butadiene	54	5.348	5.348	0.000	90	2772	0.0498	
9 Bromomethane	94		6.075				ND	
10 Chloroethane	64		6.348				ND	7
13 Vinyl bromide	106		6.771				ND	
14 Trichlorofluoromethane	101	6.937	6.931	0.006	97	9881	0.0565	
20 1,1-Dichloroethene	96		7.991				ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.033				ND	7
22 Acetone	43	8.060	8.060	0.000	99	4079878	34.3	
23 Isopropyl alcohol	45	8.365	8.349	0.016	100	512936	4.22	
24 Carbon disulfide	76	8.398	8.392	0.006	100	65913	0.3534	
26 3-Chloro-1-propene	41		8.681				ND	MU
27 Methylene Chloride	49	8.911	8.911	0.000	97	7256	0.0848	
28 2-Methyl-2-propanol	59	9.136	9.119	0.017	99	117016	0.7947	
30 trans-1,2-Dichloroethene	61		9.408				ND	
31 Methyl tert-butyl ether	73		9.419				ND	MU
32 Hexane	57	9.933	9.927	0.006	92	42330	0.3848	
33 1,1-Dichloroethane	63		10.173				ND	
36 2-Butanone (MEK)	72	11.137	11.136	0.001	100	138836	4.23	
37 cis-1,2-Dichloroethene	96	11.174	11.168	0.006	97	3607	0.0533	M
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	636299	10.0	
40 Tetrahydrofuran	42		11.618				ND	7
41 Chloroform	83	11.752	11.752	0.000	97	19507	0.1362	
42 1,1,1-Trichloroethane	97	12.073	12.062	0.011	80	4382	0.0302	M
43 Cyclohexane	84	12.212	12.206	0.006	92	24864	0.2921	
44 Carbon tetrachloride	117	12.340	12.345	-0.005	89	1203	0.008616	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.688	12.688	0.000	98	60432	0.2929	
46 1,2-Dichloroethane	62		12.752				ND	MU
47 Isooctane	57	12.913	12.912	0.001	97	618001	1.77	
48 n-Heptane	43	13.207	13.217	-0.010	96	118333	0.8193	
* 49 1,4-Difluorobenzene	114	13.416	13.415	0.001	97	3184435	10.0	
51 Trichloroethene	95	13.854	13.849	0.005	91	1654	0.0188	
53 1,2-Dichloropropane	63		14.303				ND	
54 Methyl methacrylate	69		14.389				ND	MU
55 1,4-Dioxane	88	14.453	14.432	0.021	94	15697	0.3663	
58 Dichlorobromomethane	83		14.769				ND	MU
59 cis-1,3-Dichloropropene	75		15.571				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.839	15.828	0.011	97	72771	0.4007	
62 Toluene	92	16.214	16.213	0.001	92	225131	1.61	
66 trans-1,3-Dichloropropene	75		16.620				ND	MU
67 1,1,2-Trichloroethane	83		16.994				ND	MU
68 Tetrachloroethene	166	17.203	17.208	-0.005	90	12920	0.1360	
69 2-Hexanone	43	17.385	17.406	-0.021	78	76428	0.4399	
70 Chlorodibromomethane	129		17.733				ND	
71 Ethylene Dibromide	107		17.973				ND	
* 73 Chlorobenzene-d5	117	18.883	18.888	-0.005	92	2809946	10.0	
74 Chlorobenzene	112		18.947				ND	
75 Ethylbenzene	91	19.140	19.140	0.000	99	50996	0.1618	
76 m-Xylene & p-Xylene	106	19.386	19.402	-0.016	0	55162	0.4910	
78 o-Xylene	106	20.172	20.172	0.000	97	23630	0.2147	
79 Styrene	104	20.210	20.204	0.006	86	13002	0.0715	
81 Bromoform	173		20.541				ND	
82 Isopropylbenzene	105	20.857	20.857	0.000	94	9753	0.0291	
83 1,1,2,2-Tetrachloroethane	83		21.360				ND	7
85 N-Propylbenzene	91	21.569	21.568	0.001	96	14476	0.0343	
86 2-Chlorotoluene	91		21.713				ND	MU
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	13902	0.0421	
88 1,3,5-Trimethylbenzene	105	21.858	21.852	0.006	90	16398	0.0579	
91 tert-Butylbenzene	119		22.333				ND	MU
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	92	58567	0.2018	
93 sec-Butylbenzene	105	22.660	22.654	0.006	94	3768	0.009269	7M
94 1,3-Dichlorobenzene	146		22.826				ND	7
95 4-Isopropyltoluene	119	22.869	22.868	0.001	59	4799	0.0142	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	91	2057	0.0115	
97 Benzyl chloride	91		23.109				ND	7
98 n-Butylbenzene	91		23.425				ND	7
99 1,2-Dichlorobenzene	146		23.457				ND	7
102 1,2,4-Trichlorobenzene	180		25.907				ND	7
103 Hexachlorobutadiene	225		26.158				ND	7
104 Naphthalene	128	26.383	26.389	-0.005	98	43504	0.1211	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

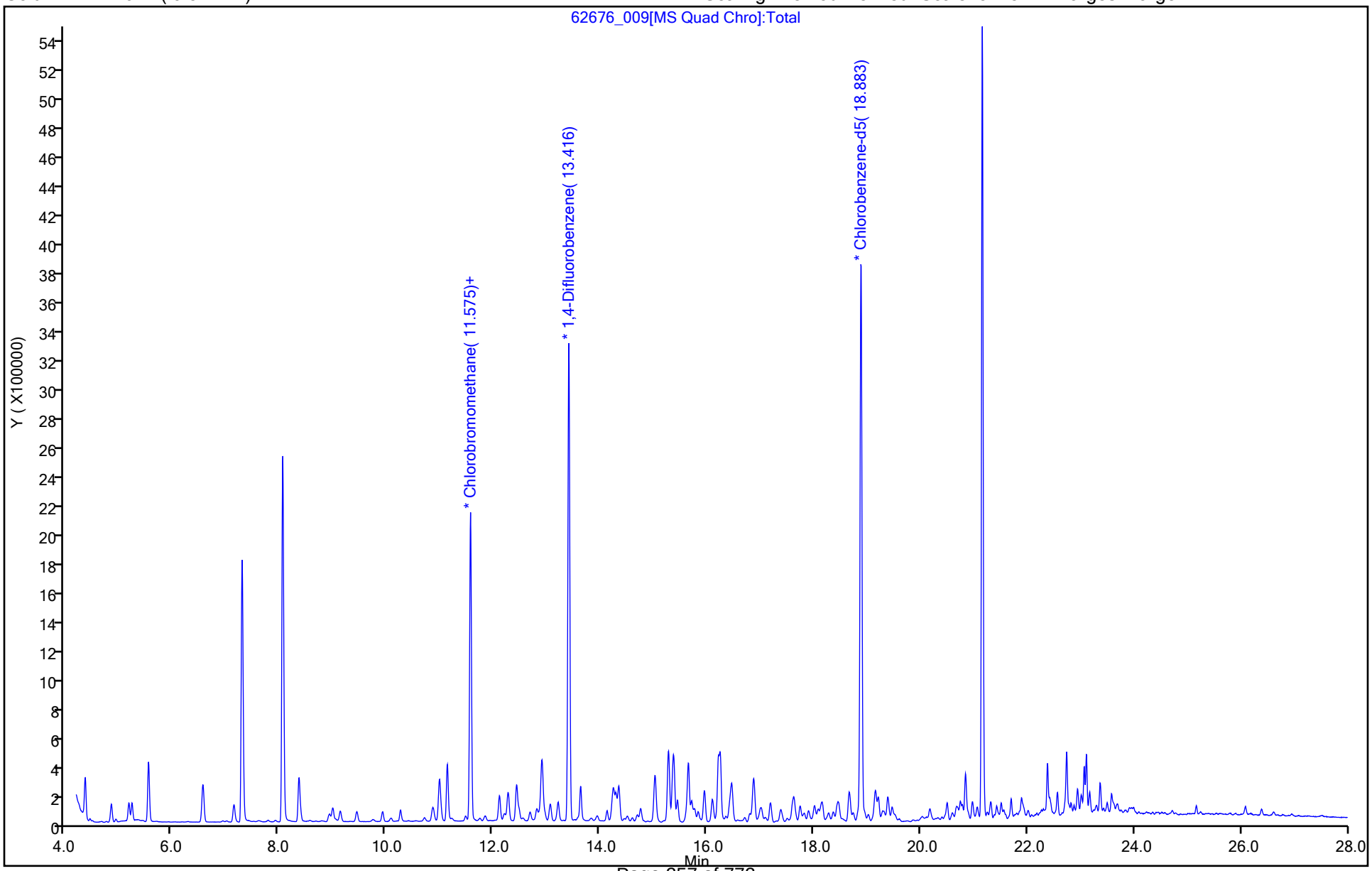
ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 28-Oct-2024 11:01:23 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_009.D				
Injection Date:	27-Oct-2024 18:06:10	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	200-75561-A-1 DL	Lab Sample ID:	200-75561-1	Worklist Smp#:	9
Client ID:	SV-1_10232024				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

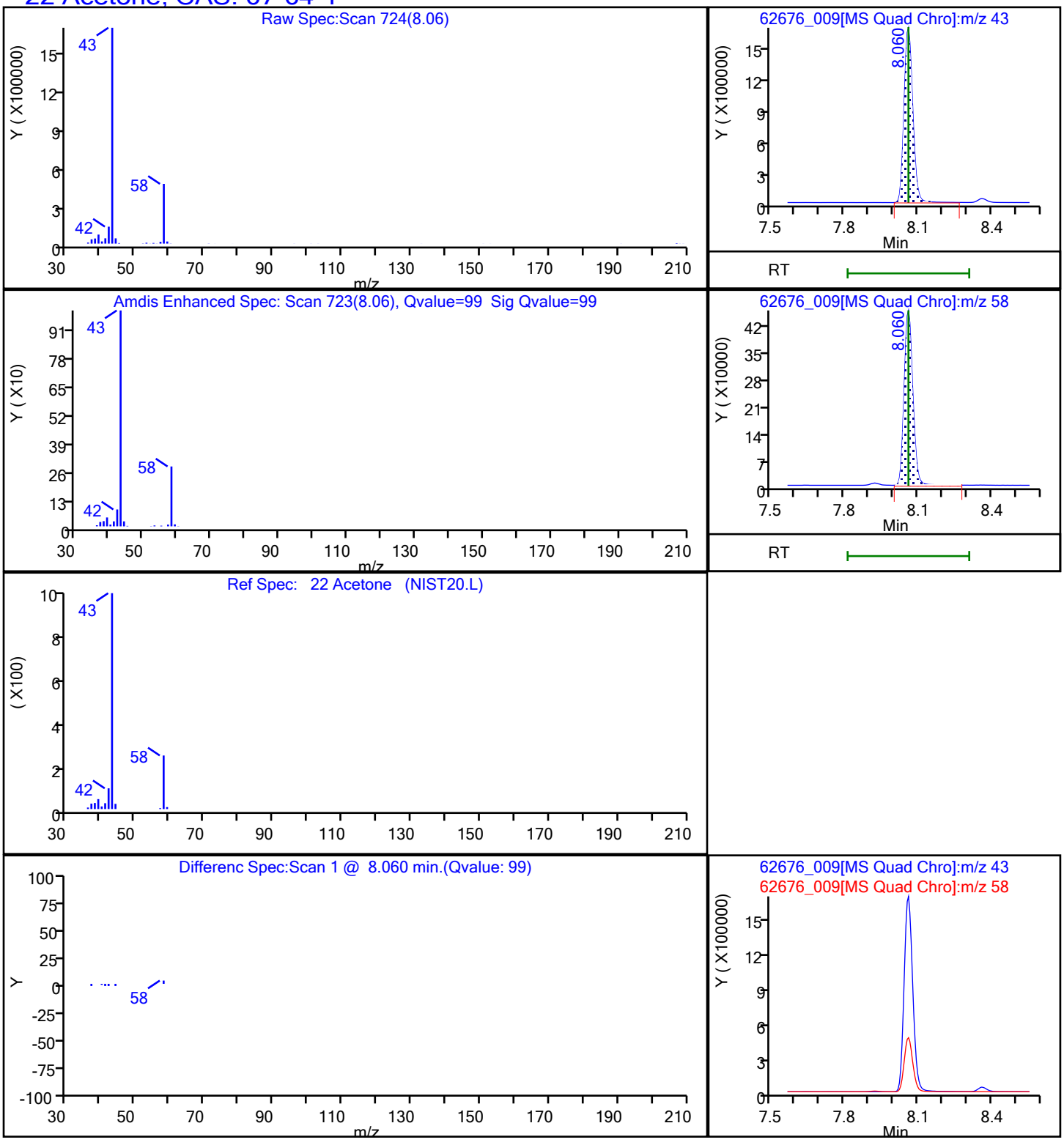


Report Date: 28-Oct-2024 11:01:23 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_009.D				
Injection Date:	27-Oct-2024 18:06:10	Instrument ID:	CHAN.i		
Lims ID:	200-75561-A-1 DL	Lab Sample ID:	200-75561-1		
Client ID:	SV-1_10232024				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acetone, CAS: 67-64-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-2_10232024 Lab Sample ID: 200-75561-2

Matrix: Air Lab File ID: 62652_018.D

Analysis Method: TO-15 Date Collected: 10/23/2024 12:10

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 21:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	3.0		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.2	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.75	J	1.0	0.31
106-97-8	n-Butane	58.12	36		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	1.2		0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.46	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	*Acetone*	*58.08*	*120*	*E*	*12*	*3.8*
67-63-0	*Isopropyl alcohol*	*60.10*	*140*	*E*	*12*	*3.9*
75-15-0	Carbon disulfide	76.14	7.4		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.3	J	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	4.5	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	3.1		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	4.4		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	2.0		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	0.89	J	1.1	0.24
110-82-7	Cyclohexane	84.16	43		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.27		0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-2_10232024 Lab Sample ID: 200-75561-2

Matrix: Air Lab File ID: 62652_018.D

Analysis Method: TO-15 Date Collected: 10/23/2024 12:10

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 21:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	56		0.93	0.18
71-43-2	Benzene	78.11	2.8		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	6.7		0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	0.73	J	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	18		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	1.4		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.33	J	0.92	0.20
100-41-4	Ethylbenzene	106.17	1.8		0.87	0.30
179601-23-1	m,p-Xylene	106.17	5.5		2.2	0.41
95-47-6	o-Xylene	106.17	2.5		0.87	0.27
100-42-5	Styrene	104.15	0.97		0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.49	J	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.82	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	1.1		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	1.3		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-2_10232024 Lab Sample ID: 200-75561-2

Matrix: Air Lab File ID: 62652_018.D

Analysis Method: TO-15 Date Collected: 10/23/2024 12:10

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 21:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	3.8		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-2_10232024 | Lab Sample ID: 200-75561-2

Matrix: Air | Lab File ID: 62652_018.D

Analysis Method: TO-15 | Date Collected: 10/23/2024 12:10

Sample wt/vol: 200(mL) | Date Analyzed: 10/25/2024 21:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 210137 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.61		0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.34	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.36	J	0.50	0.15
106-97-8	n-Butane	58.12	15		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.55		0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.20		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.060	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	*Acetone*	*58.08*	*51*	*E*	*5.0*	*1.6*
67-63-0	*Isopropyl alcohol*	*60.10*	*55*	*E*	*5.0*	*1.6*
75-15-0	Carbon disulfide	76.14	2.4		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.37	J	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	1.5	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.88		0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.42		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.16	J	0.20	0.044
110-82-7	Cyclohexane	84.16	12		0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.043		0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-2_10232024 Lab Sample ID: 200-75561-2

Matrix: Air Lab File ID: 62652_018.D

Analysis Method: TO-15 Date Collected: 10/23/2024 12:10

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 21:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	12		0.20	0.038
71-43-2	Benzene	78.11	0.89		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	1.6		0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.18	J	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	4.8		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.20		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.072	J	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.42		0.20	0.069
179601-23-1	m,p-Xylene	106.17	1.3		0.50	0.095
95-47-6	o-Xylene	106.17	0.57		0.20	0.063
100-42-5	Styrene	104.15	0.23		0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.10	J	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.17	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.22		0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.27		0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-2_10232024 Lab Sample ID: 200-75561-2

Matrix: Air Lab File ID: 62652_018.D

Analysis Method: TO-15 Date Collected: 10/23/2024 12:10

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 21:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.78		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D
Lims ID: 200-75561-A-2
Client ID: SV-2_10232024
Sample Type: Client
Inject. Date: 25-Oct-2024 21:49:10 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062652-018
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 07:45:17 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: YWL8 Date: 27-Oct-2024 21:17:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.380	4.380	0.000	99	55495	0.6080	
3 Chlorodifluoromethane	51	4.433	4.433	0.000	96	15275	0.3370	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.754				ND	
5 Chloromethane	50	4.877	4.883	-0.006	98	9114	0.3649	
7 Butane	43	5.188	5.188	0.000	99	827464	15.2	
6 Vinyl chloride	62		5.188				ND	
8 Butadiene	54	5.300	5.305	-0.005	91	18602	0.5496	
9 Bromomethane	94		6.054				ND	
10 Chloroethane	64		6.332				ND	MU
13 Vinyl bromide	106		6.766				ND	
14 Trichlorofluoromethane	101	6.932	6.926	0.006	98	21691	0.2005	
20 1,1-Dichloroethene	96		8.012				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.050	8.050	0.000	43	5806	0.0599	
22 Acetone	43	8.103	8.109	-0.006	98	2925704	51.0	E
23 Isopropyl alcohol	45	8.413	8.413	0.000	100	3128156	55.1	E
24 Carbon disulfide	76	8.424	8.419	0.005	99	296100	2.37	
26 3-Chloro-1-propene	41		8.729				ND	MU
27 Methylene Chloride	49	8.970	8.959	0.000	31	17210	0.3700	
28 2-Methyl-2-propanol	59	9.211	9.200	0.011	99	124847	1.49	
30 trans-1,2-Dichloroethene	61		9.462				ND	
31 Methyl tert-butyl ether	73		9.467				ND	MU
32 Hexane	57	9.976	9.976	0.000	92	58283	0.8798	
33 1,1-Dichloroethane	63		10.254				ND	
36 2-Butanone (MEK)	72	11.249	11.243	0.005	98	33302	1.48	
37 cis-1,2-Dichloroethene	96		11.265				ND	
* 39 Chlorobromomethane	128	11.682	11.682	0.000	91	338902	10.0	
40 Tetrahydrofuran	42	11.725	11.714	0.011	92	14333	0.3111	
41 Chloroform	83	11.864	11.864	0.000	96	41507	0.4153	
42 1,1,1-Trichloroethane	97	12.158	12.164	-0.006	98	16411	0.1634	
43 Cyclohexane	84	12.292	12.292	0.000	99	771171	12.4	
44 Carbon tetrachloride	117	12.437	12.436	0.000	95	4407	0.0435	
45 Benzene	78	12.795	12.795	0.000	96	129567	0.8920	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 1,2-Dichloroethane	62		12.881				ND	
47 Isooctane	57	12.998	12.998	0.000	99	2577760	12.0	
48 n-Heptane	43	13.309	13.319	0.000	92	121412	1.64	
* 49 1,4-Difluorobenzene	114	13.539	13.539	0.000	95	1610068	10.0	
51 Trichloroethene	95		13.972				ND	7
53 1,2-Dichloropropane	63		14.437				ND	MU
54 Methyl methacrylate	69	14.523	14.517	0.005	86	8956	0.1772	
55 1,4-Dioxane	88		14.566				ND	7
58 Dichlorobromomethane	83		14.913				ND	
59 cis-1,3-Dichloropropene	75		15.716				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.994	15.983	0.011	92	12058	0.1278	M
62 Toluene	92	16.353	16.352	0.006	93	495629	4.77	
66 trans-1,3-Dichloropropene	75		16.775				ND	MU
67 1,1,2-Trichloroethane	83		17.155				ND	MU
68 Tetrachloroethene	166	17.342	17.332	0.005	94	17523	0.2025	
69 2-Hexanone	43	17.578	17.572	0.011	88	2372	0.0264	7M
70 Chlorodibromomethane	129		17.893				ND	
71 Ethylene Dibromide	107		18.129				ND	
* 73 Chlorobenzene-d5	117	19.043	19.038	0.005	89	1465870	10.0	
74 Chlorobenzene	112	19.097	19.108	-0.005	96	10305	0.0720	
75 Ethylbenzene	91	19.284	19.290	0.000	99	97310	0.4239	
76 m-Xylene & p-Xylene	106	19.541	19.557	-0.011	0	110116	1.26	
78 o-Xylene	106	20.322	20.322	0.005	98	48242	0.5727	
79 Styrene	104	20.354	20.360	0.000	95	31416	0.2275	
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105	20.991	20.991	0.006	96	24838	0.0997	
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	MU
85 N-Propylbenzene	91	21.686	21.692	0.000	99	50915	0.1668	
86 2-Chlorotoluene	91		21.836				ND	MU
87 4-Ethyltoluene	105	21.879	21.885	0.000	99	52944	0.2157	
88 1,3,5-Trimethylbenzene	105	21.970	21.976	0.000	92	56612	0.2722	
91 tert-Butylbenzene	119		22.446				ND	MU
92 1,2,4-Trimethylbenzene	105	22.532	22.538	0.000	98	163547	0.7803	
93 sec-Butylbenzene	105		22.767				ND	MU
94 1,3-Dichlorobenzene	146	22.943	22.950	0.000	97	6852	0.0457	
95 4-Isopropyltoluene	119	22.976	22.982	0.000	98	11816	0.0470	
96 1,4-Dichlorobenzene	146	23.083	23.089	0.000	93	2395	0.0158	
97 Benzyl chloride	91		23.232				ND	MU
98 n-Butylbenzene	91	23.537	23.549	-0.006	92	5978	0.0239	
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.581	26.589	0.000	99	19854	0.0895	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

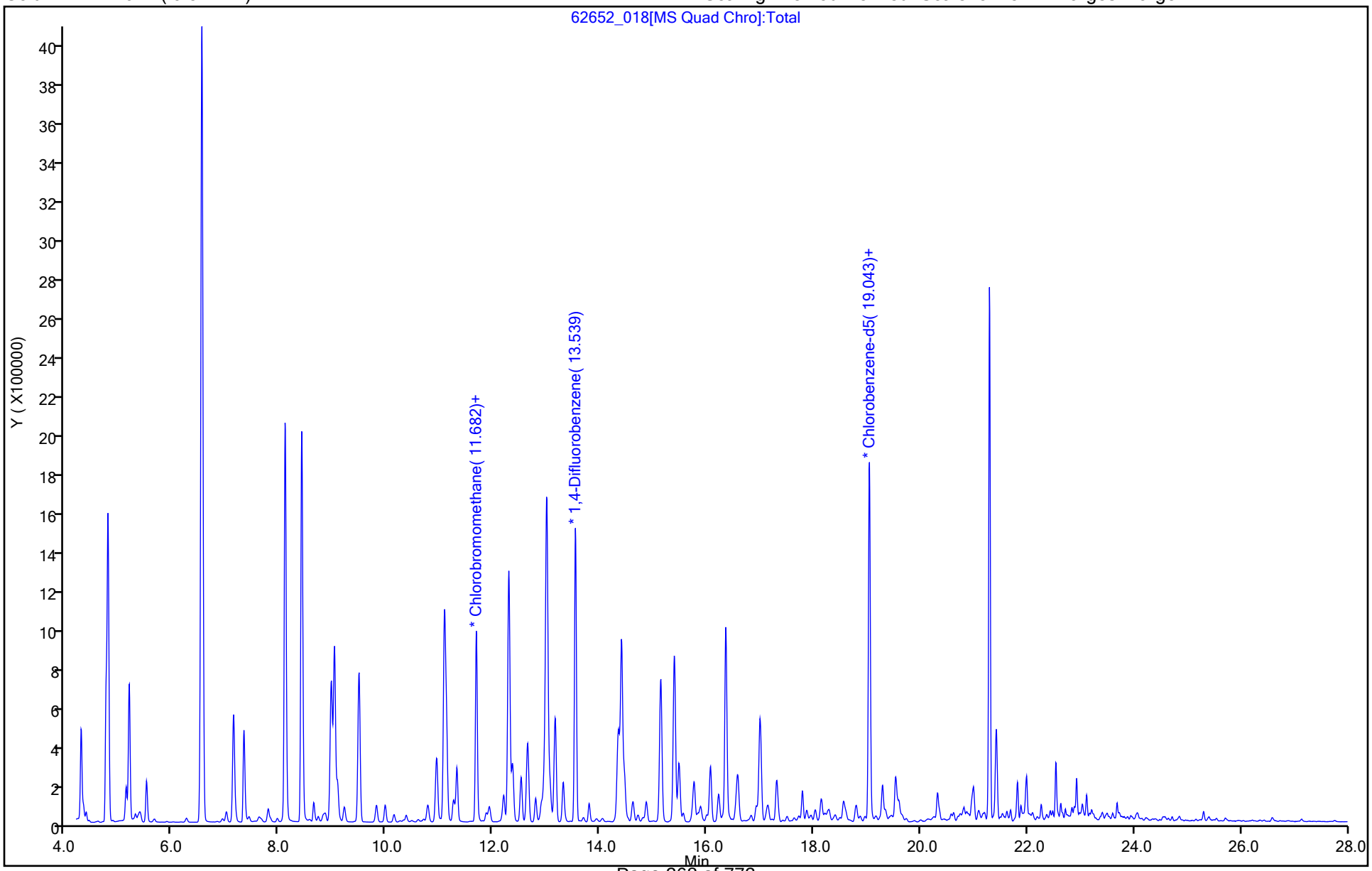
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2	Worklist Smp#:	18
Client ID:	SV-2_10232024				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

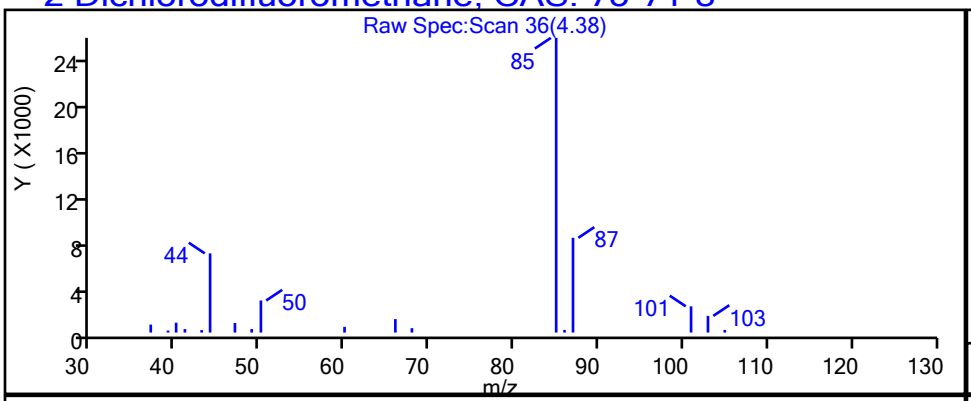


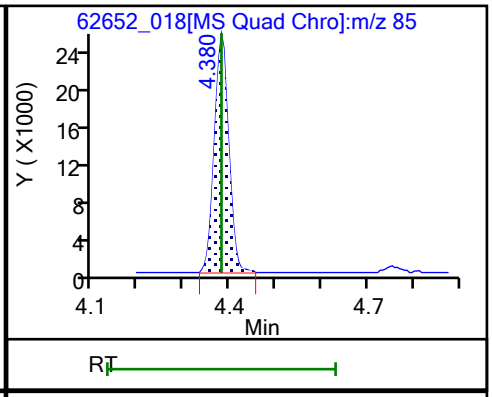
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

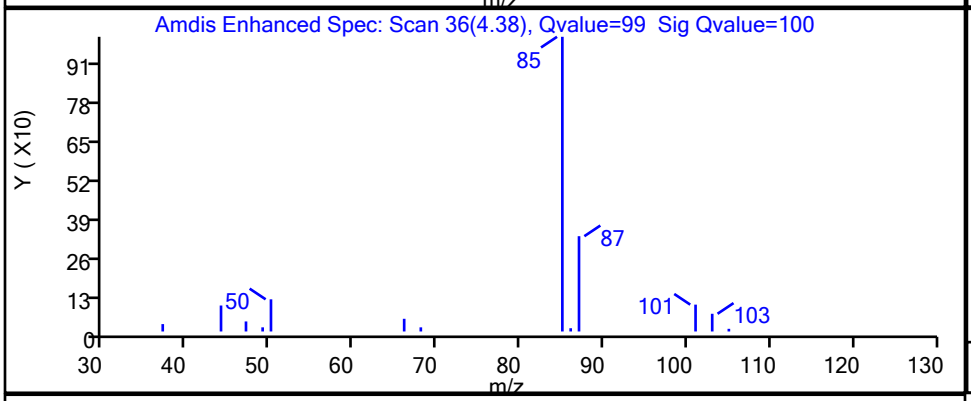
Eurofins Burlington

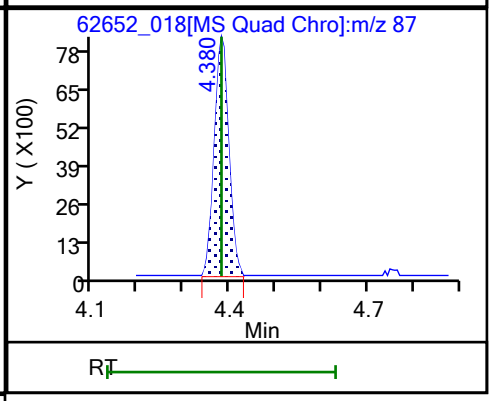
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

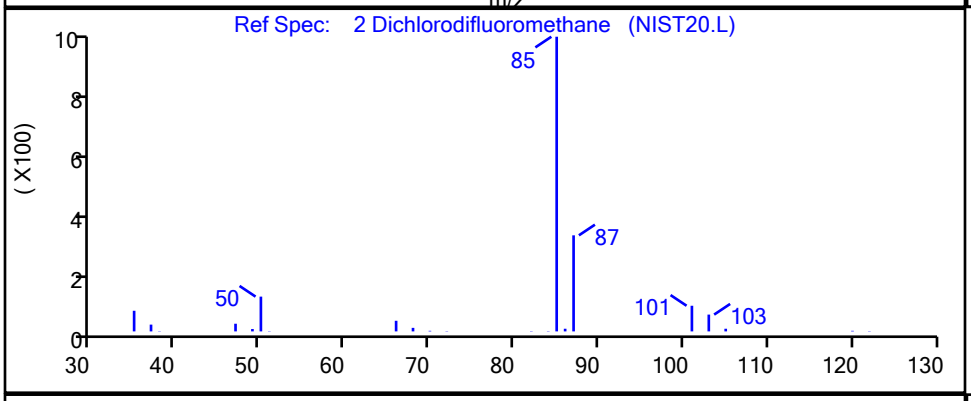
2 Dichlorodifluoromethane, CAS: 75-71-8

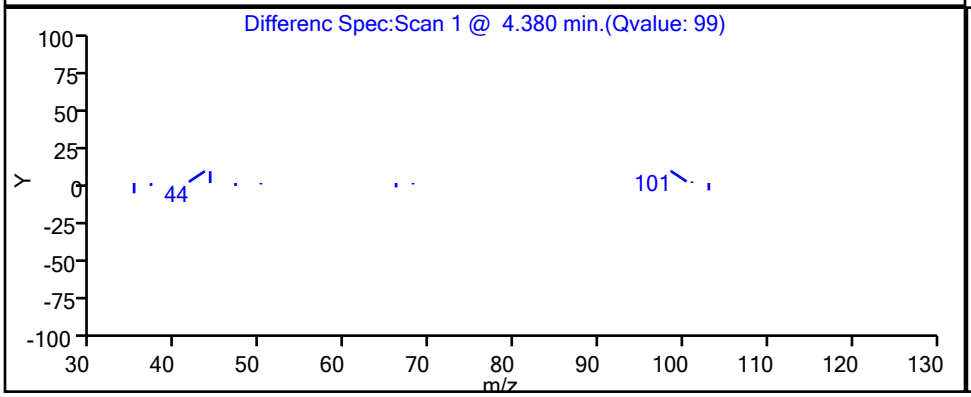


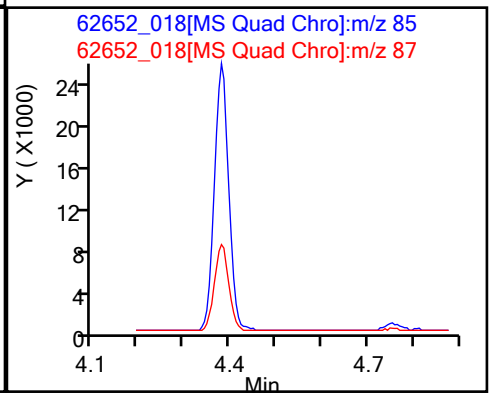












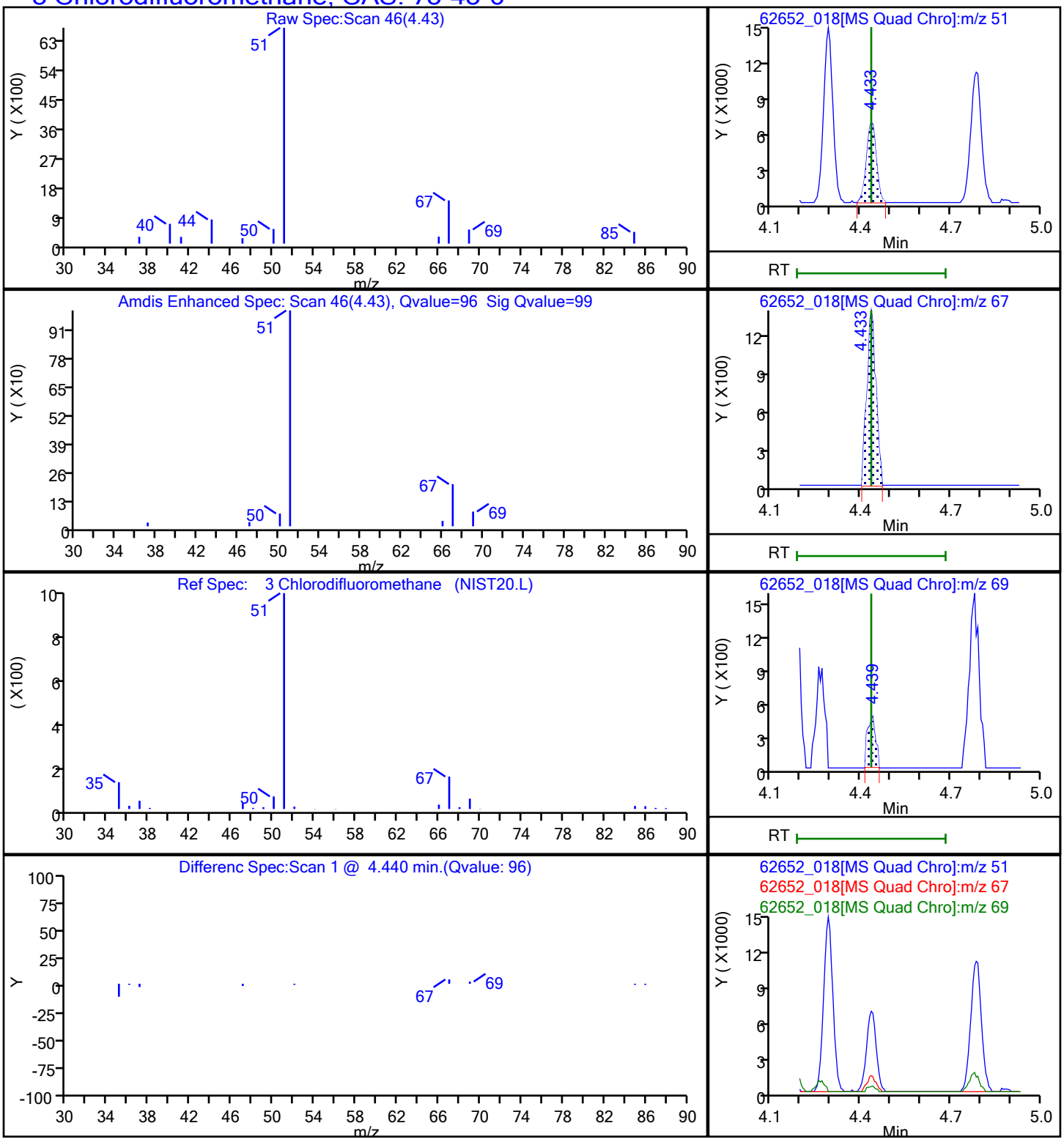
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



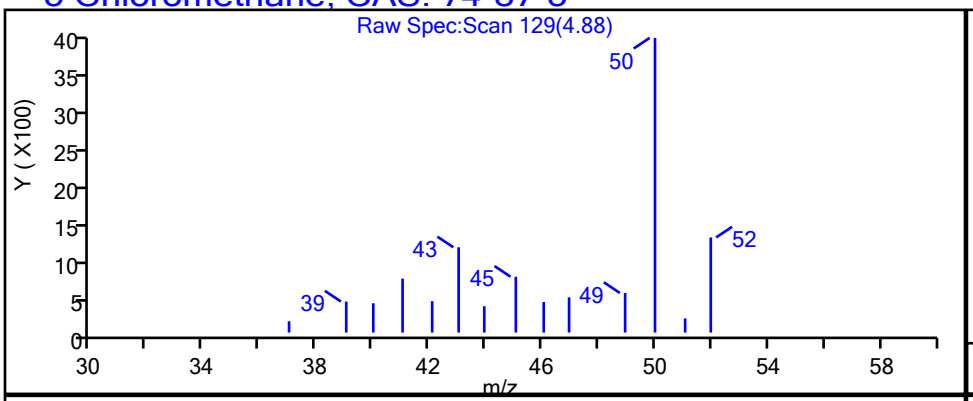
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

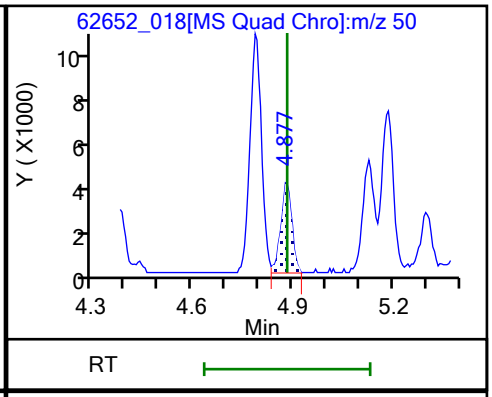
Eurofins Burlington

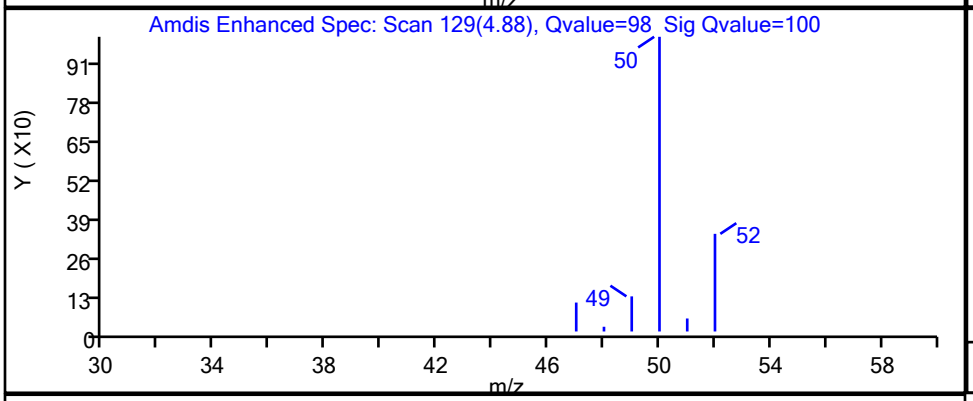
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

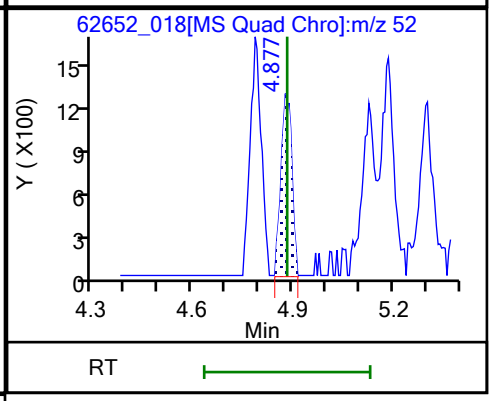
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

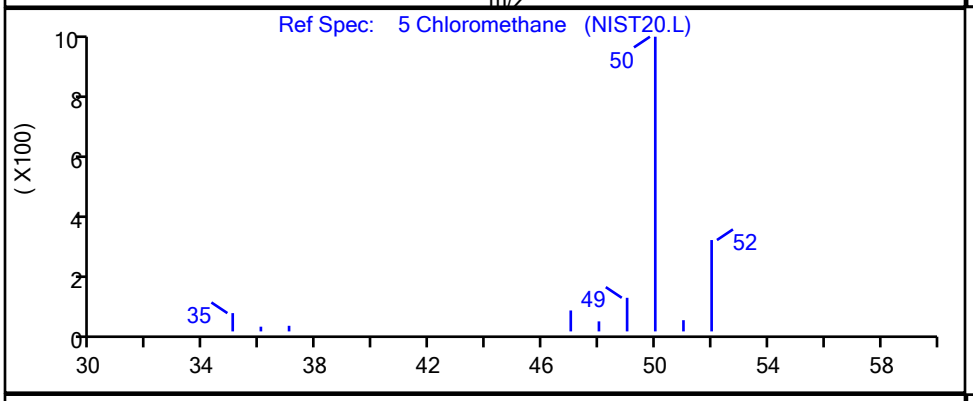
5 Chloromethane, CAS: 74-87-3

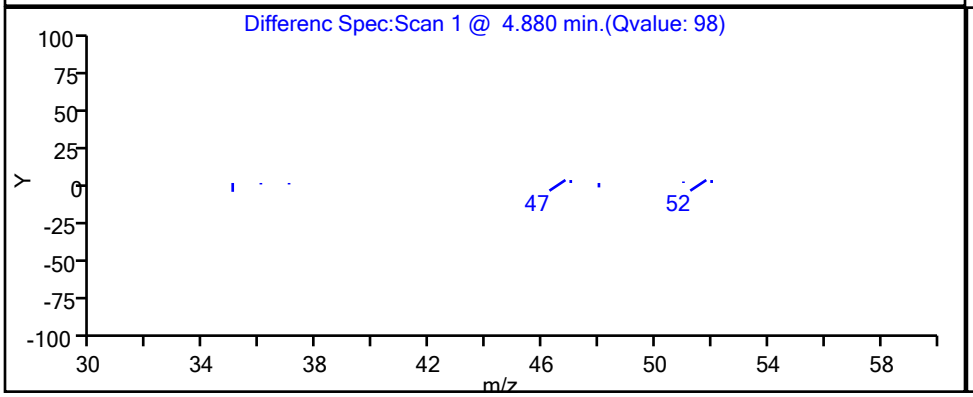


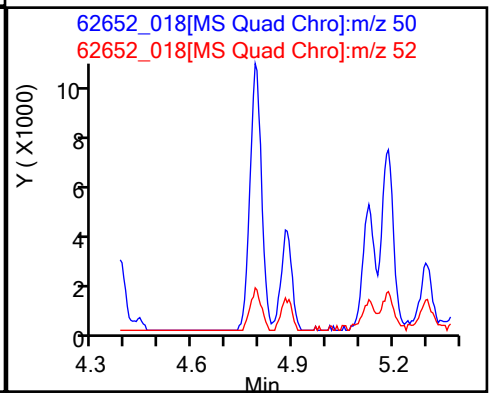












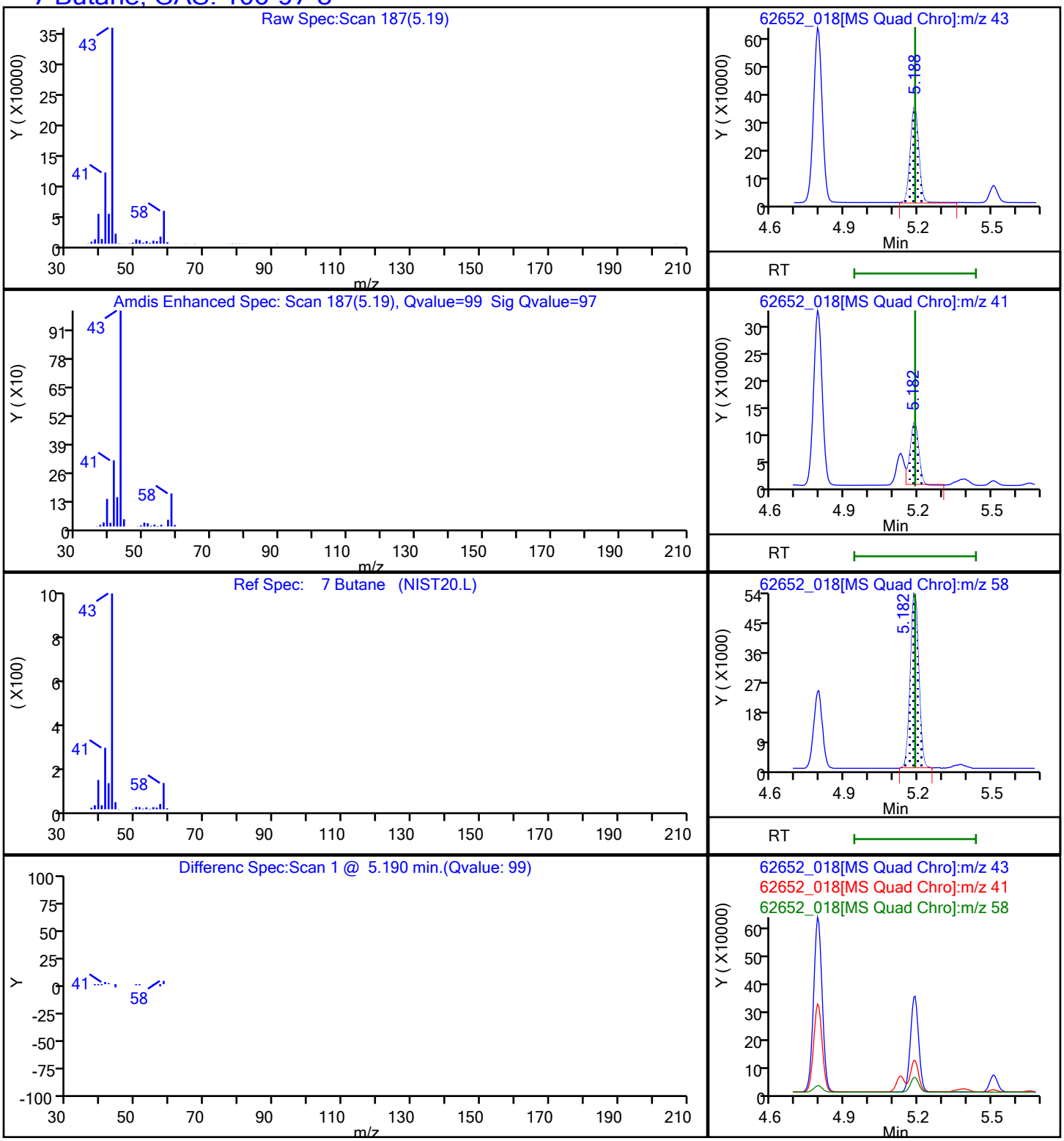
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8

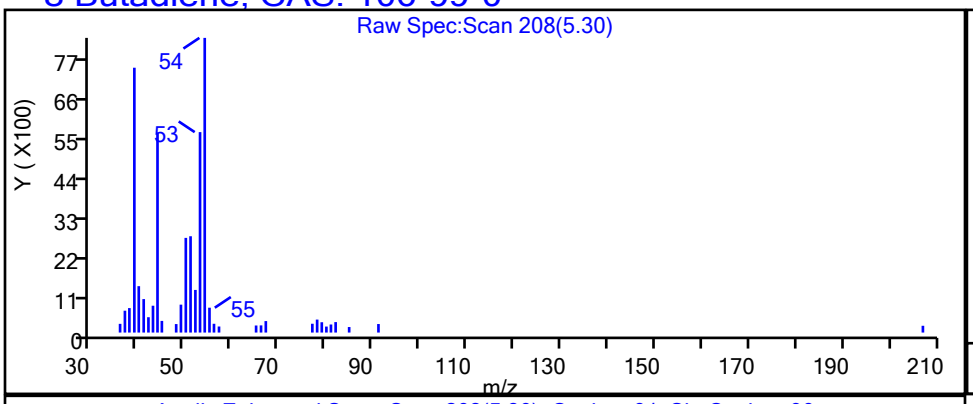


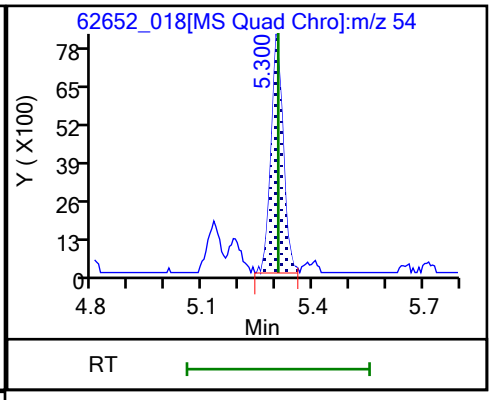
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

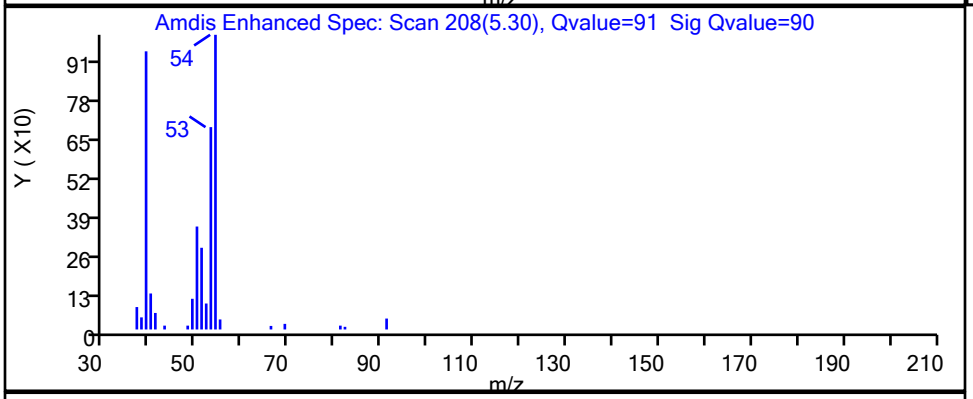
Eurofins Burlington

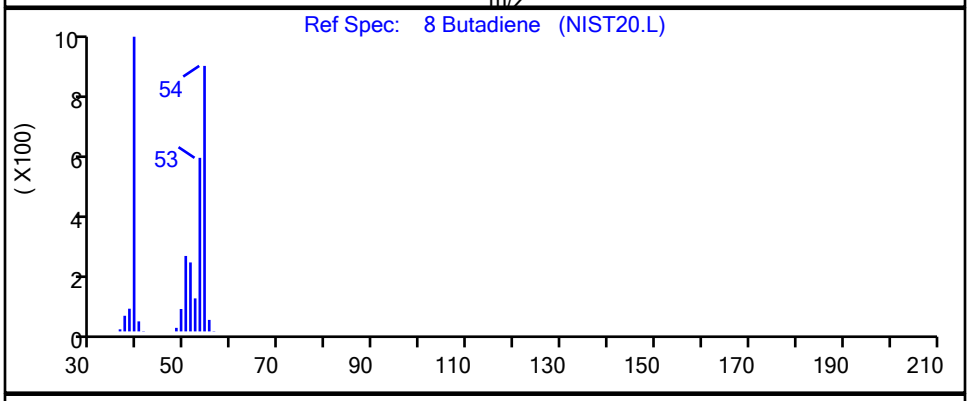
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

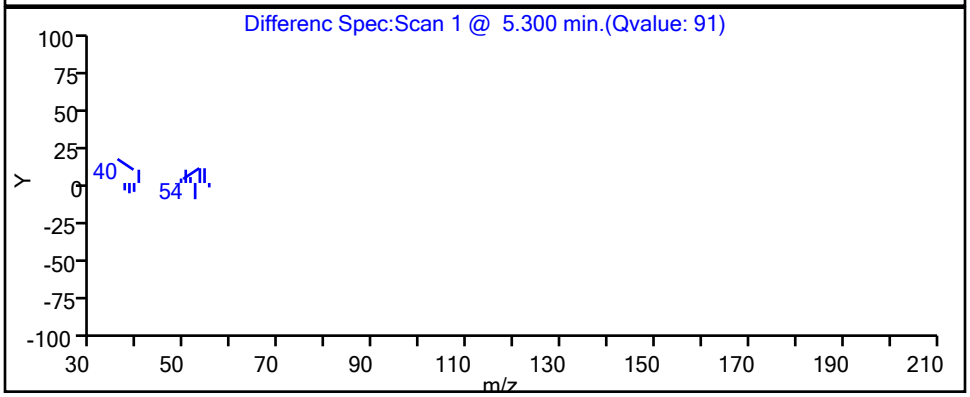
8 Butadiene, CAS: 106-99-0











Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date: 25-Oct-2024 21:49:10 Instrument ID: CHAM.i

Lims ID: 200-75561-A-2 Lab Sample ID: 200-75561-2

Client ID: SV-2_10232024

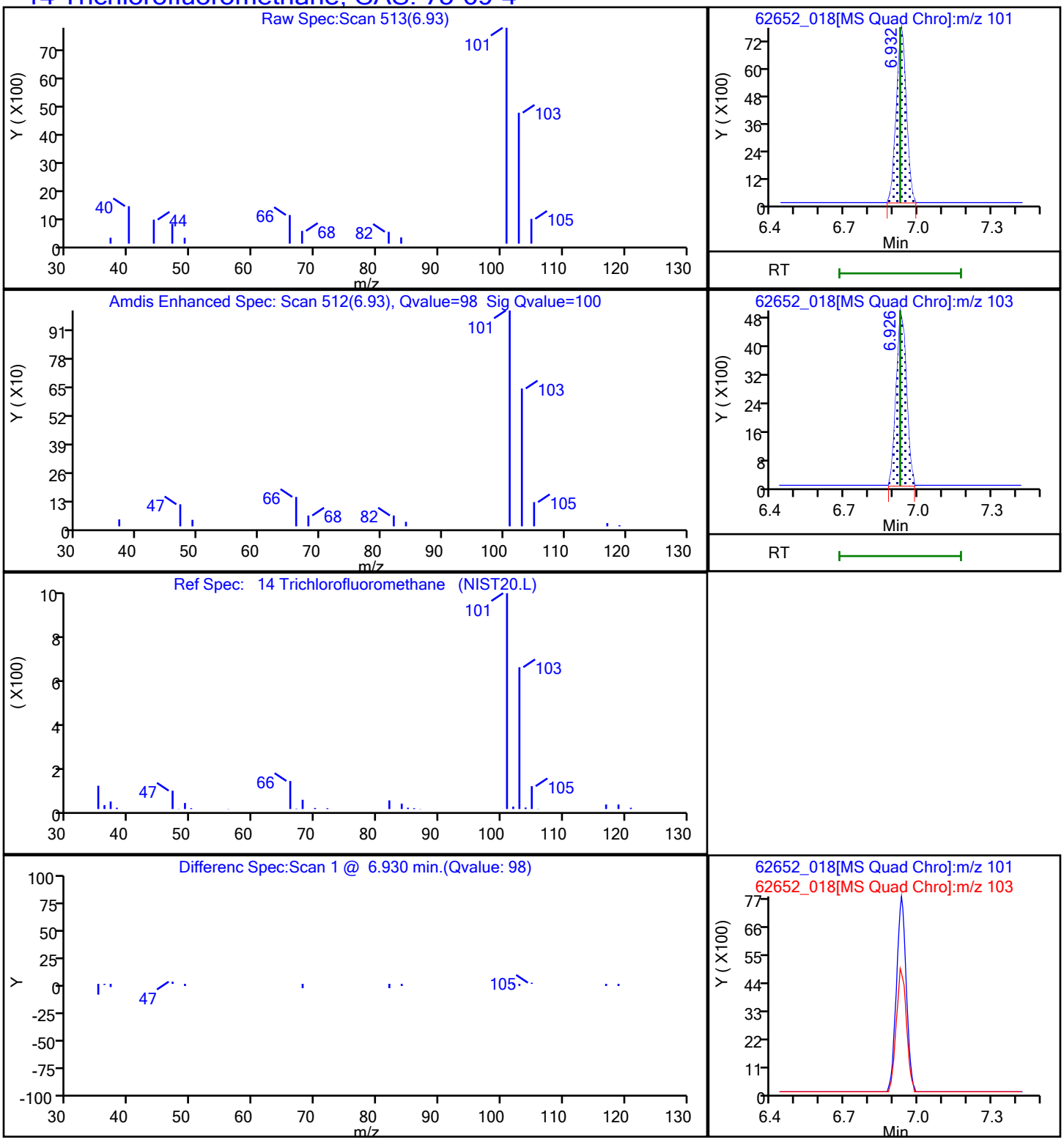
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 18

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

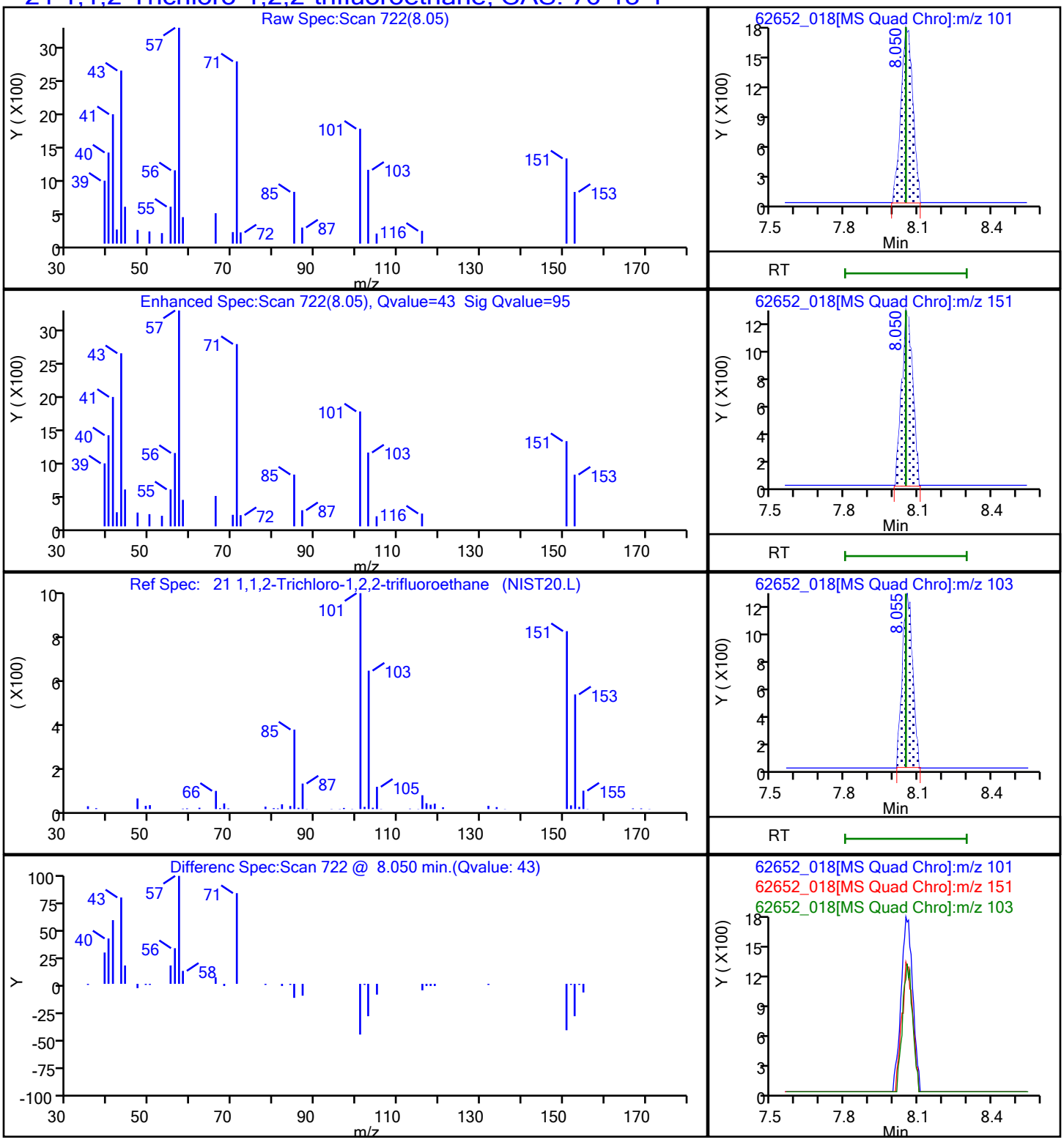
14 Trichlorofluoromethane, CAS: 75-69-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D
Injection Date: 25-Oct-2024 21:49:10 Instrument ID: CHAM.i
Lims ID: 200-75561-A-2 Lab Sample ID: 200-75561-2
Client ID: SV-2_10232024
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

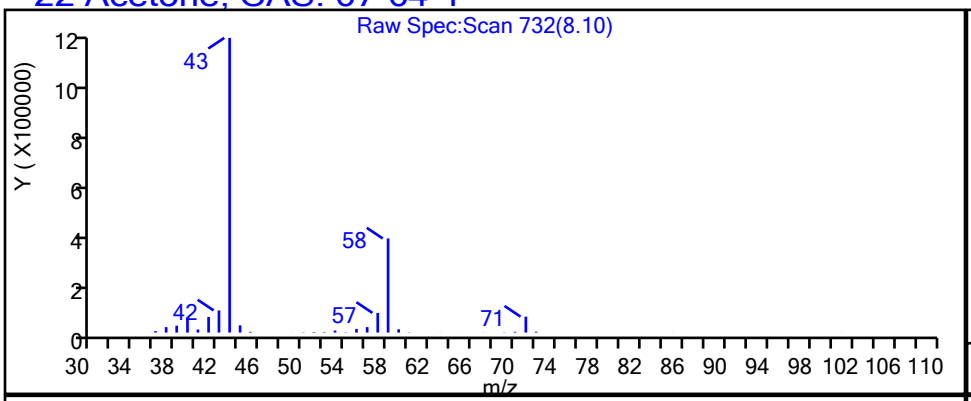


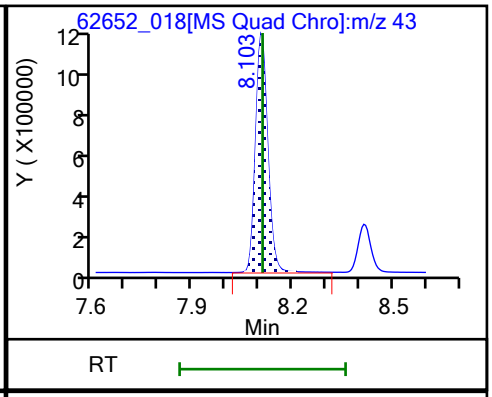
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

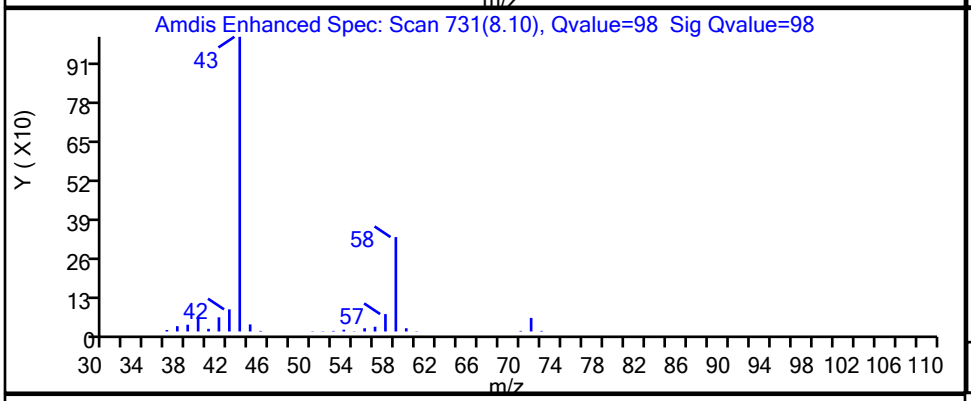
Eurofins Burlington

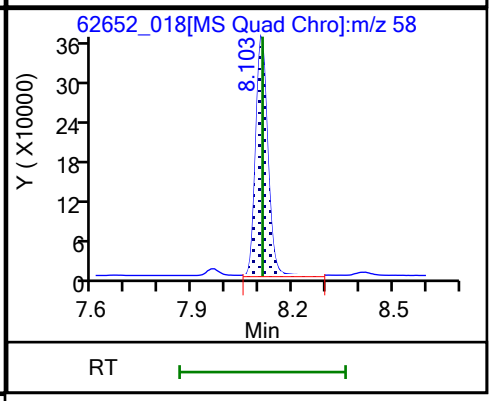
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

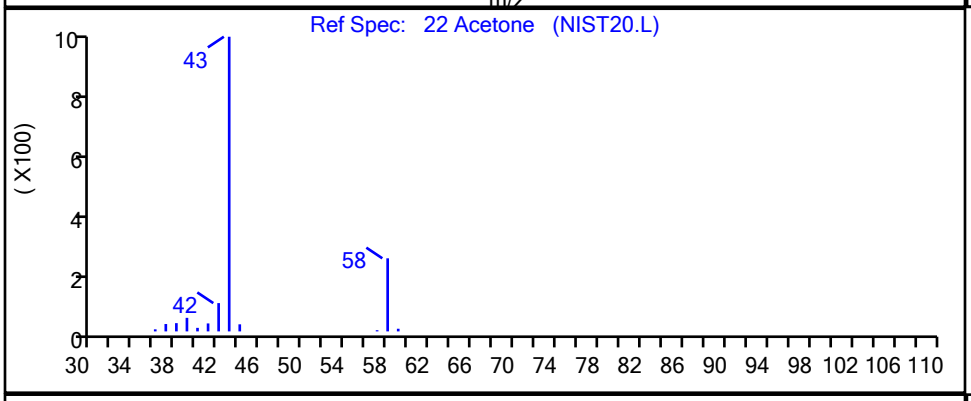
22 Acetone, CAS: 67-64-1

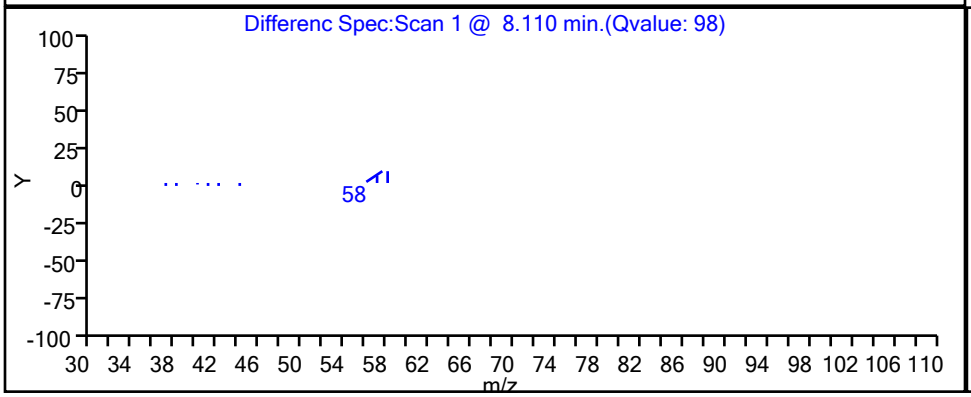


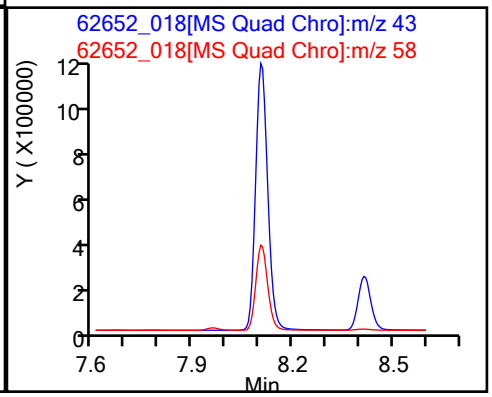












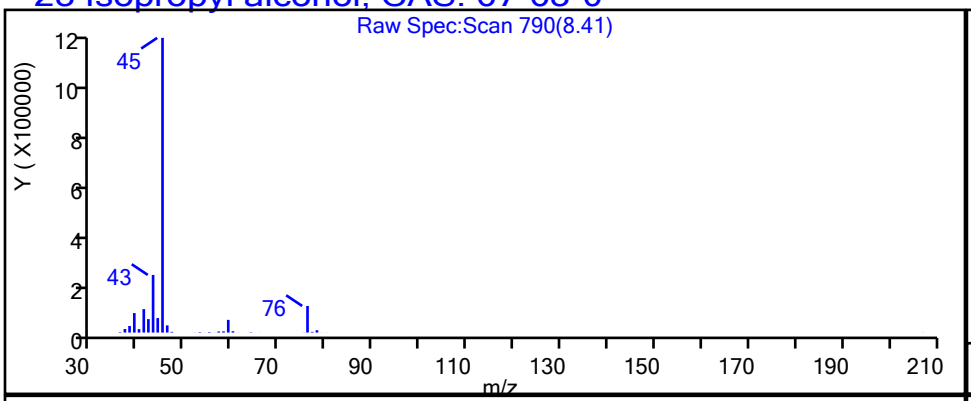
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

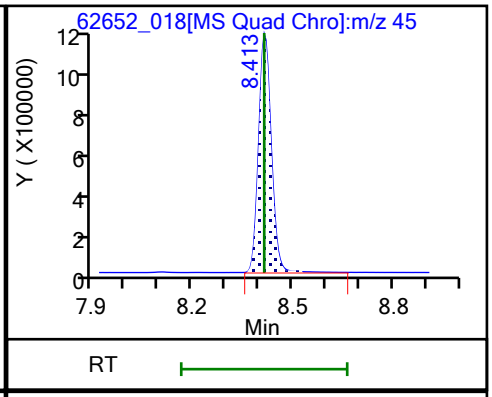
Eurofins Burlington

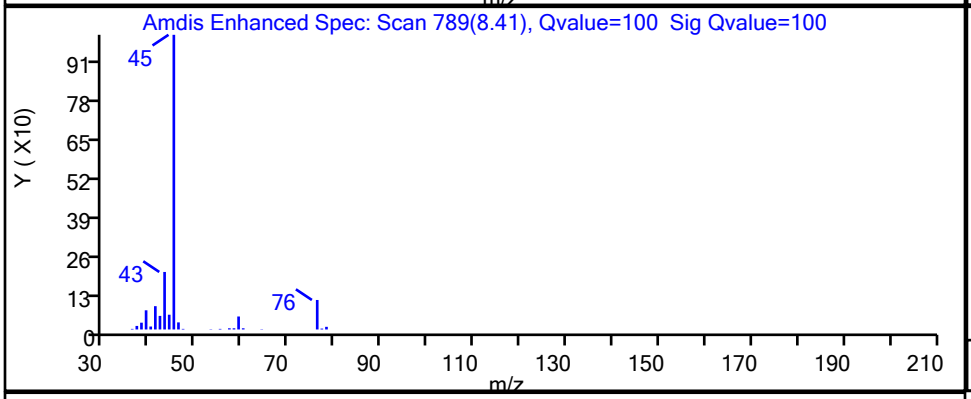
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

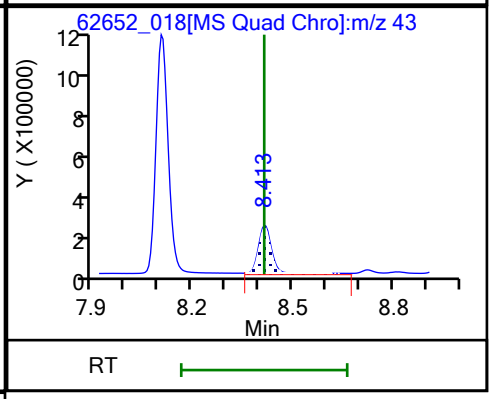
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

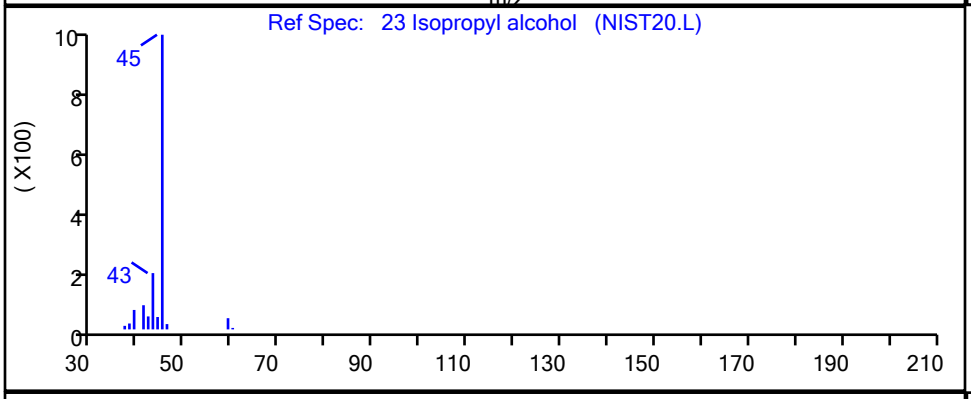
23 Isopropyl alcohol, CAS: 67-63-0

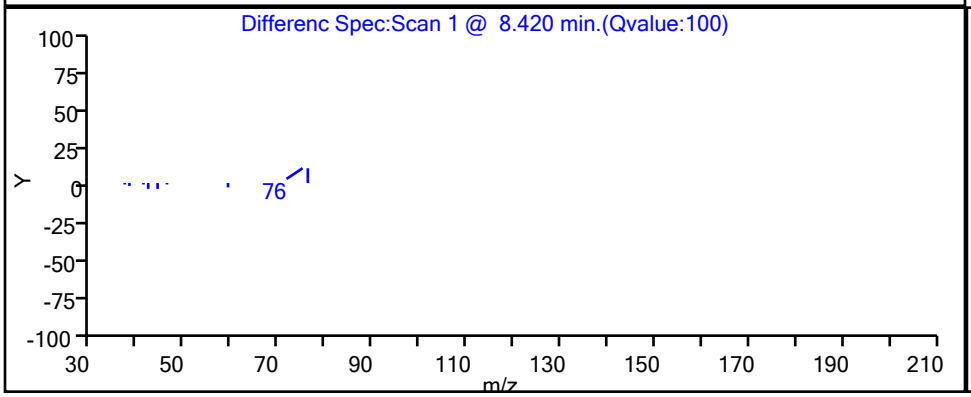


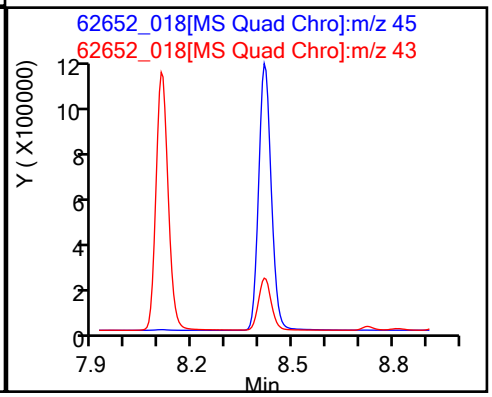












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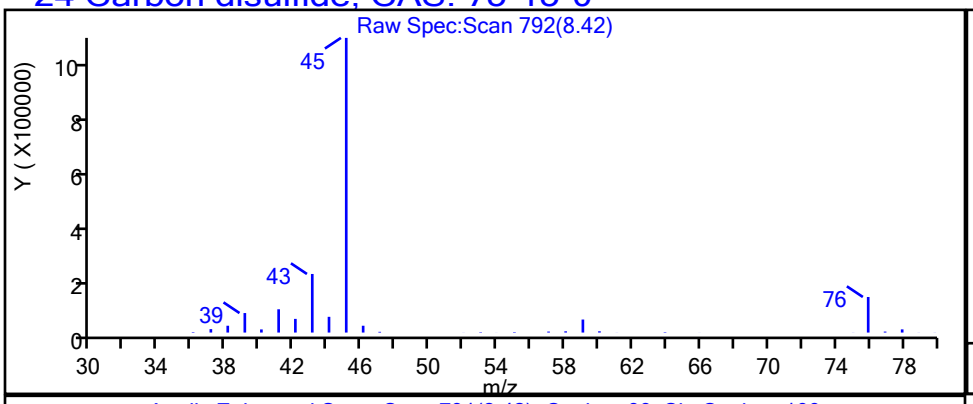
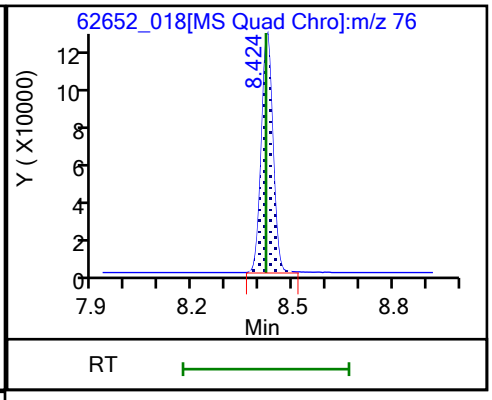
Eurofins Burlington

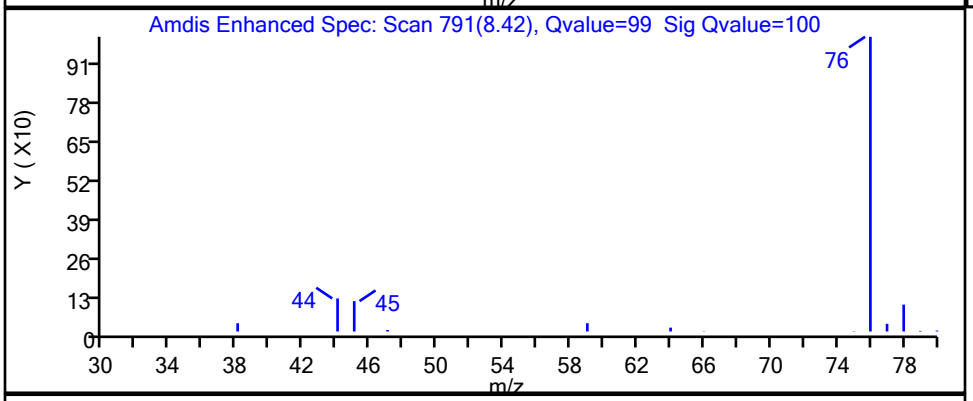
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

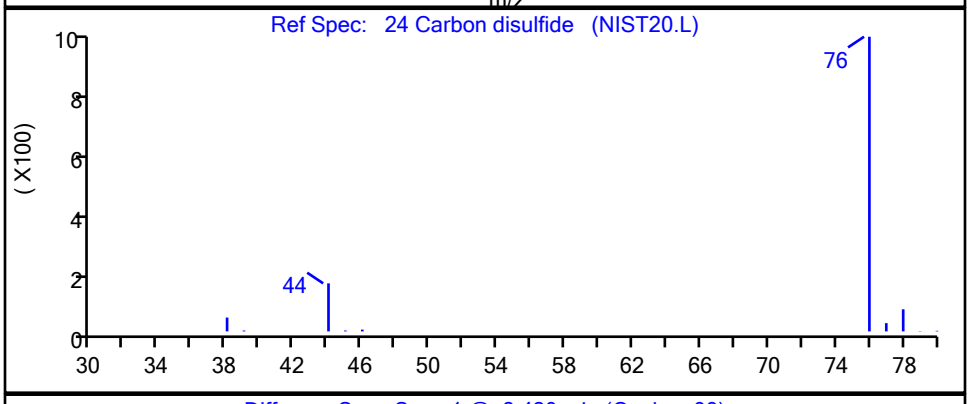
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

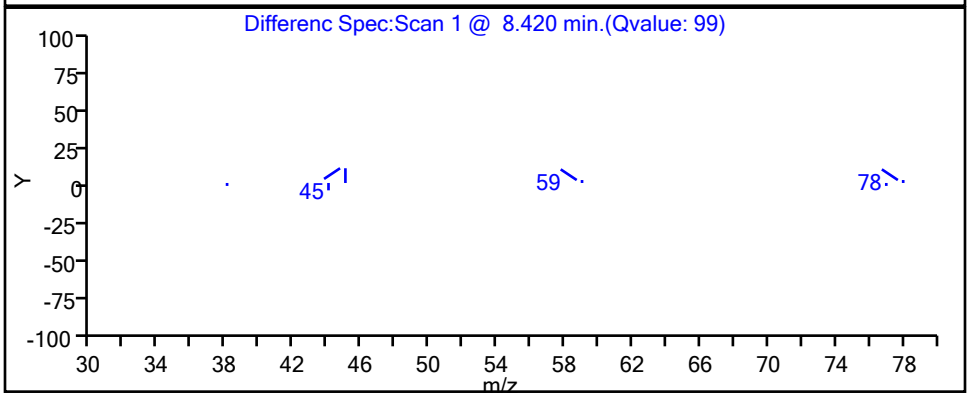
24 Carbon disulfide, CAS: 75-15-0









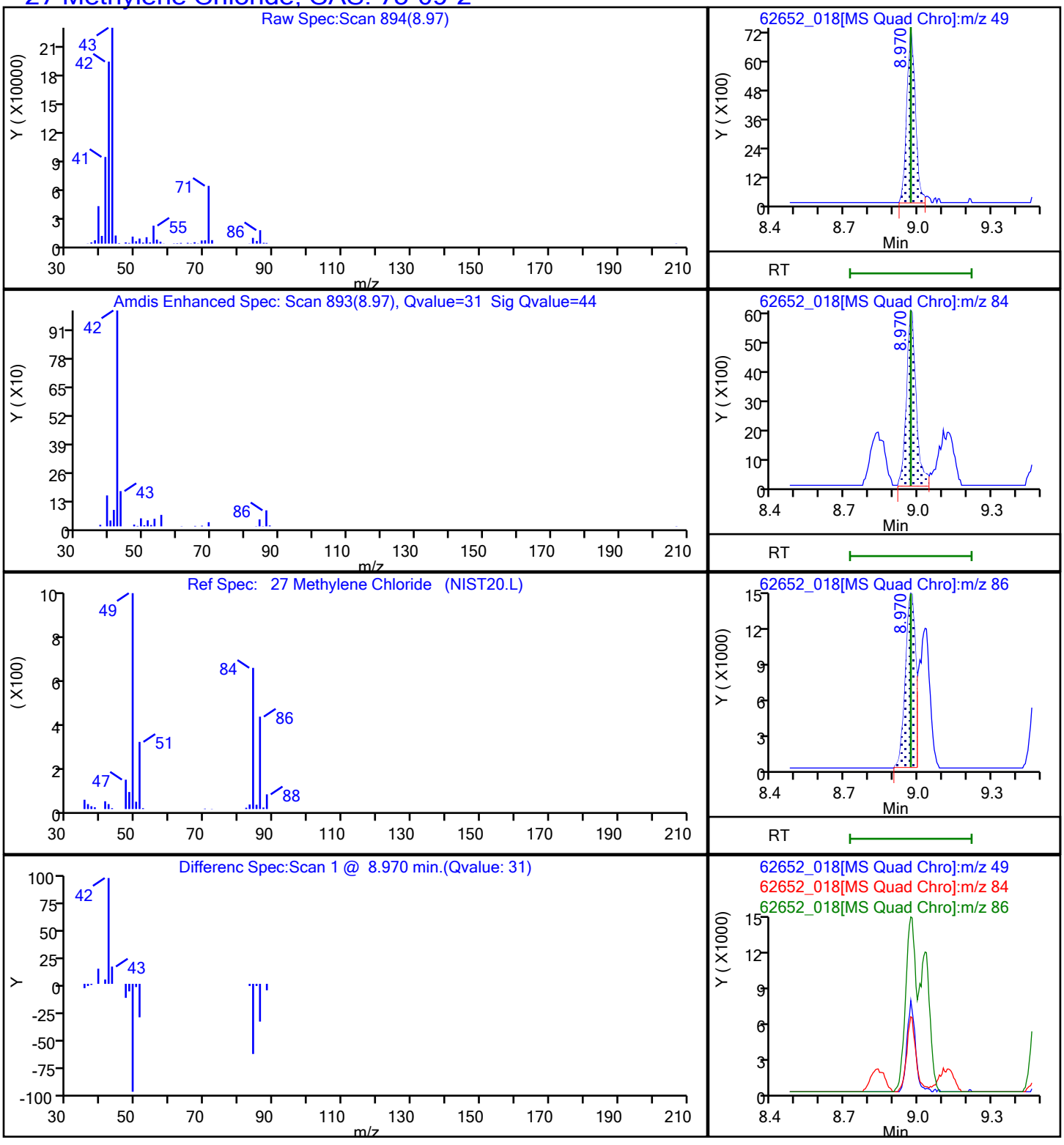


Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2



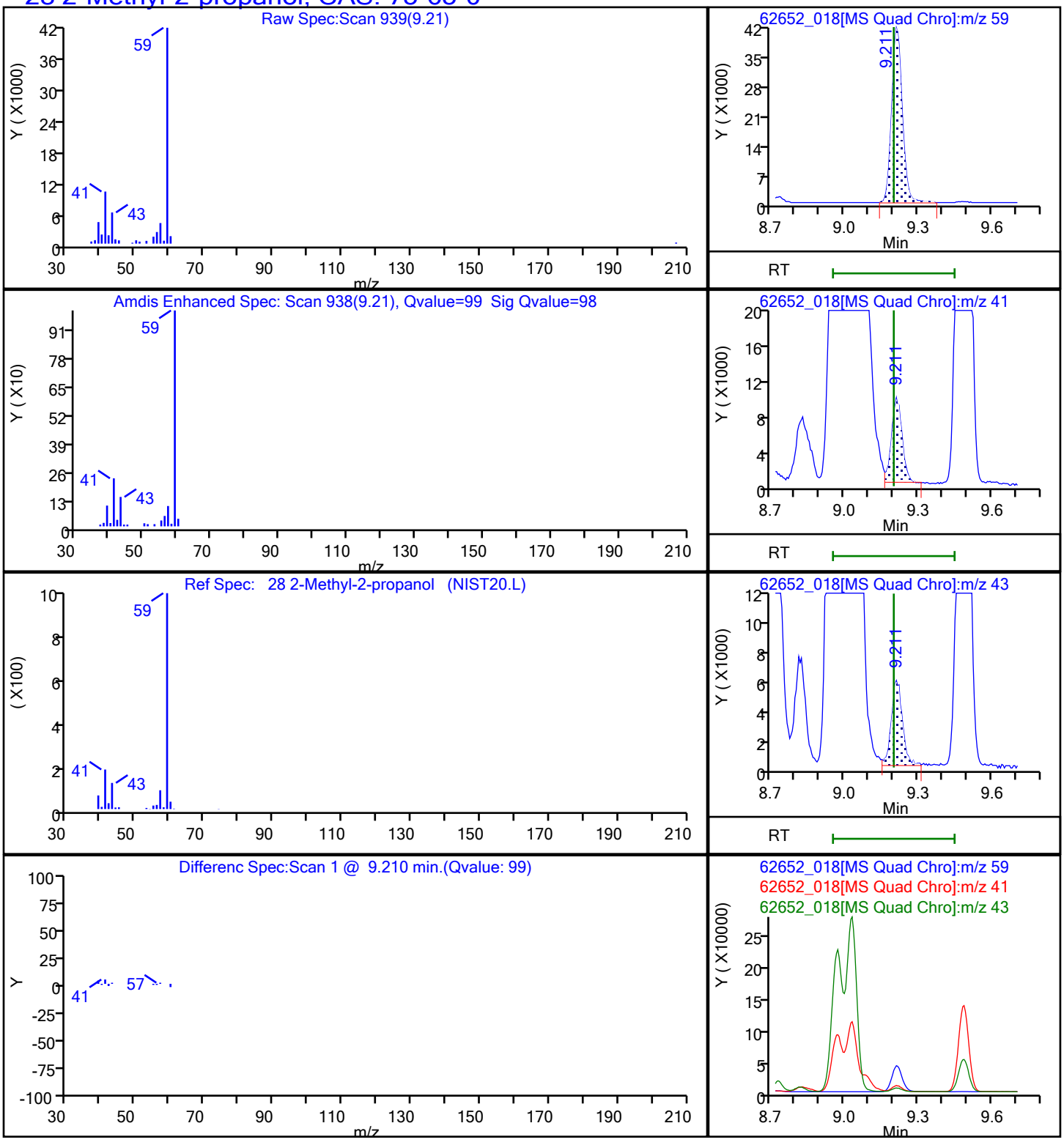
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



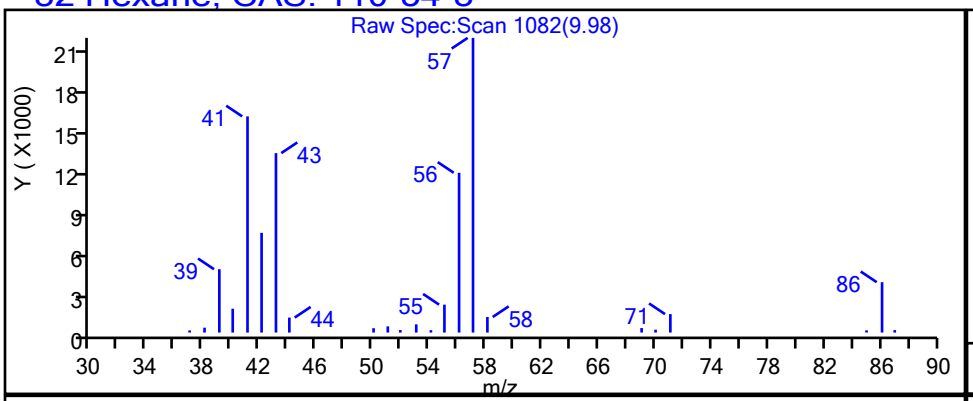
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

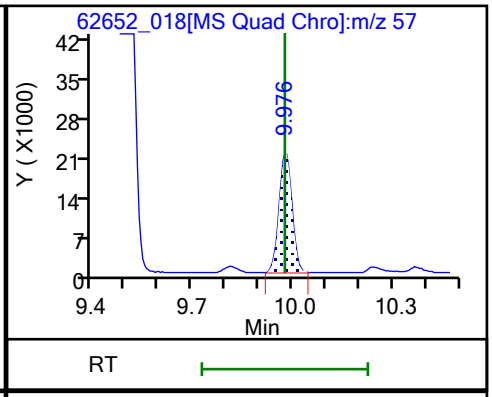
Eurofins Burlington

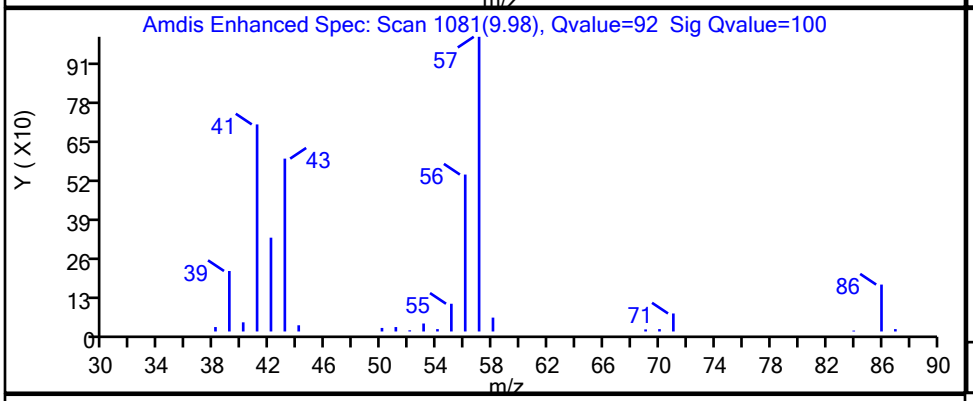
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

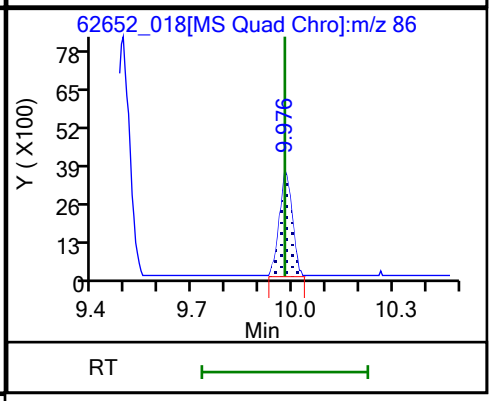
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

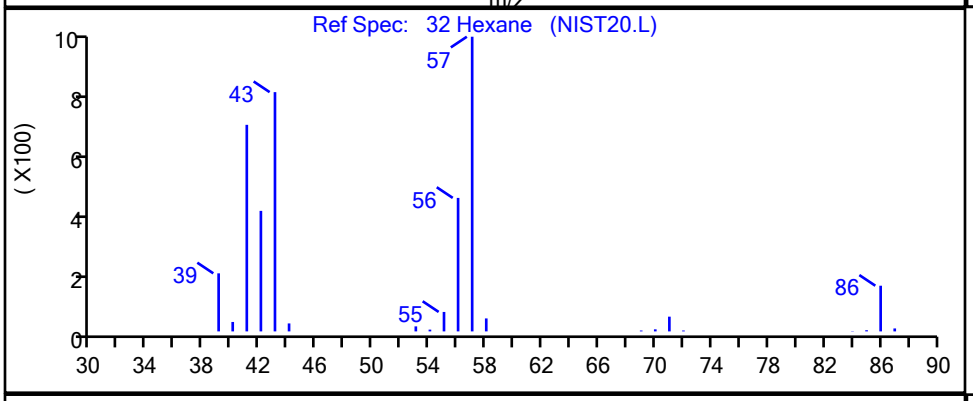
32 Hexane, CAS: 110-54-3

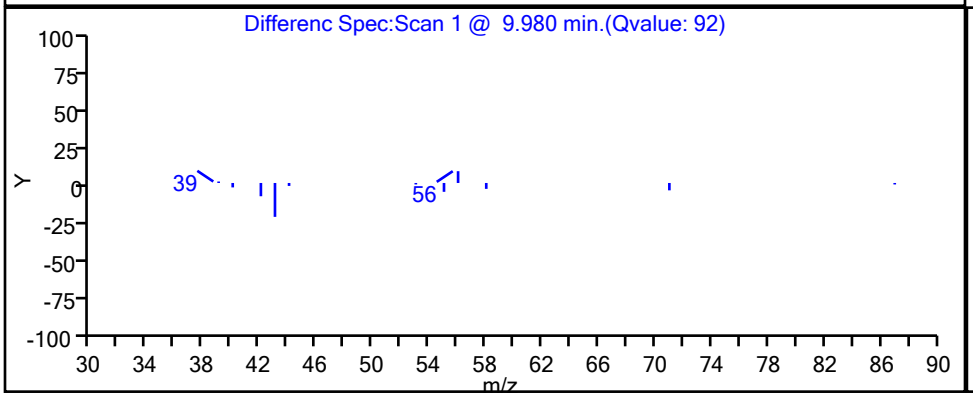


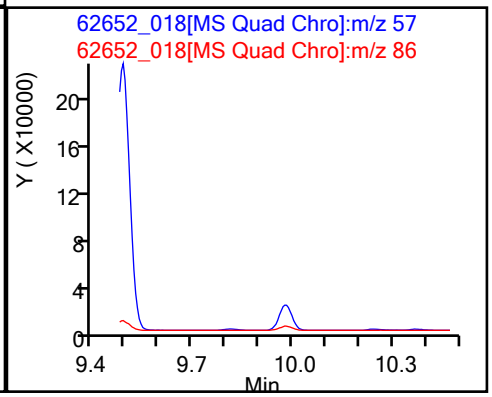












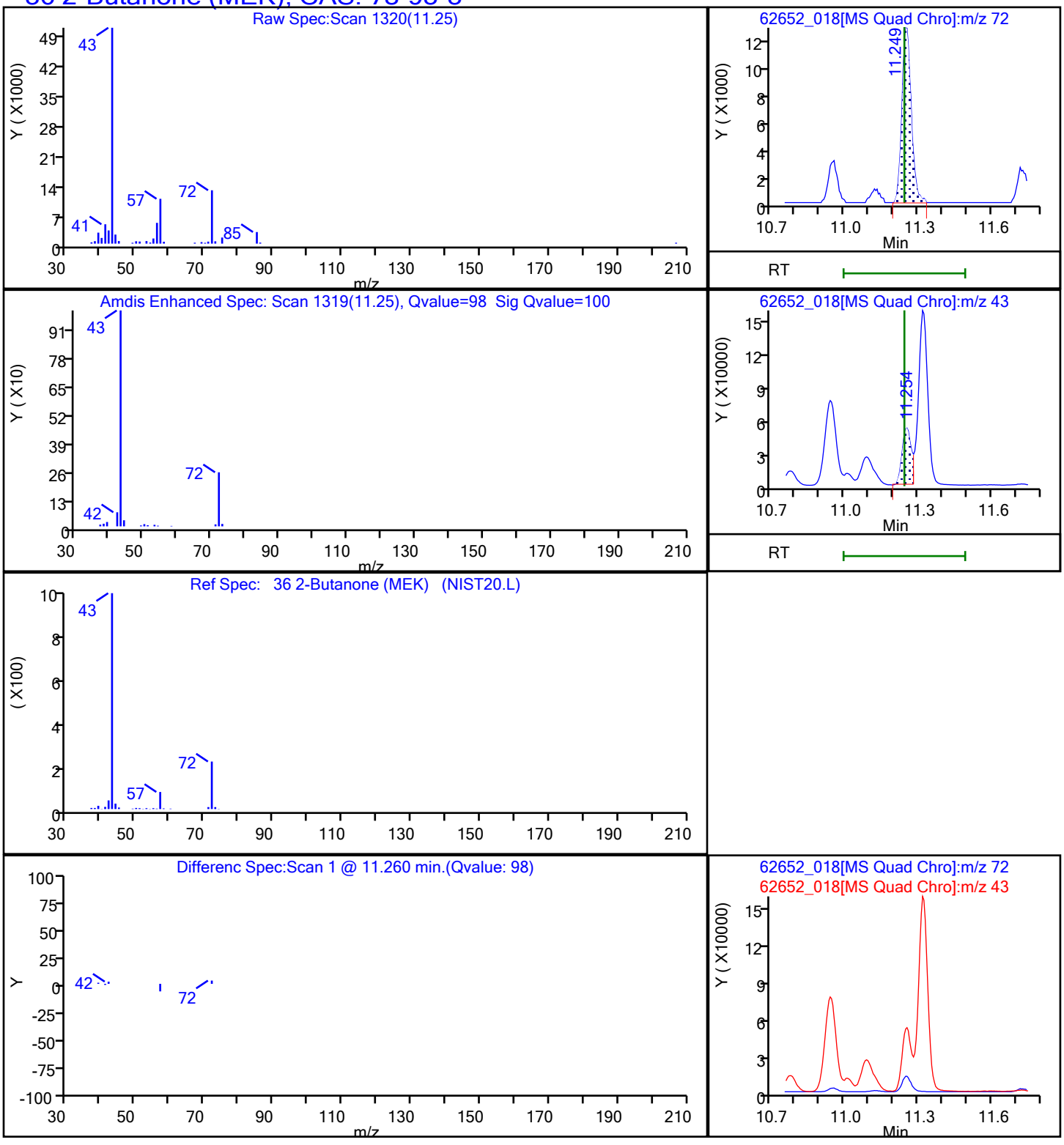
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 2-Butanone (MEK), CAS: 78-93-3



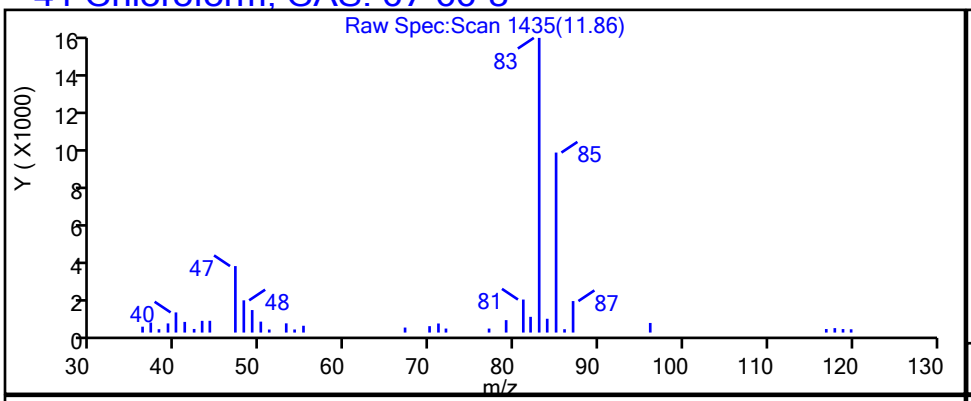
Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

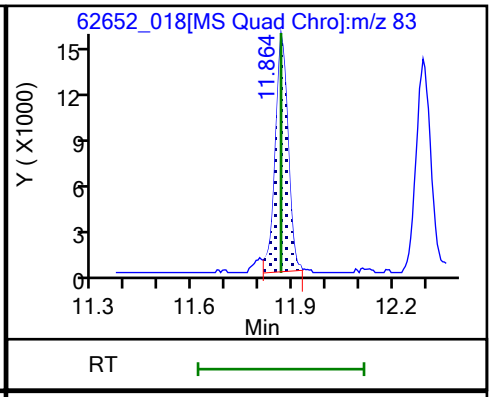
Eurofins Burlington

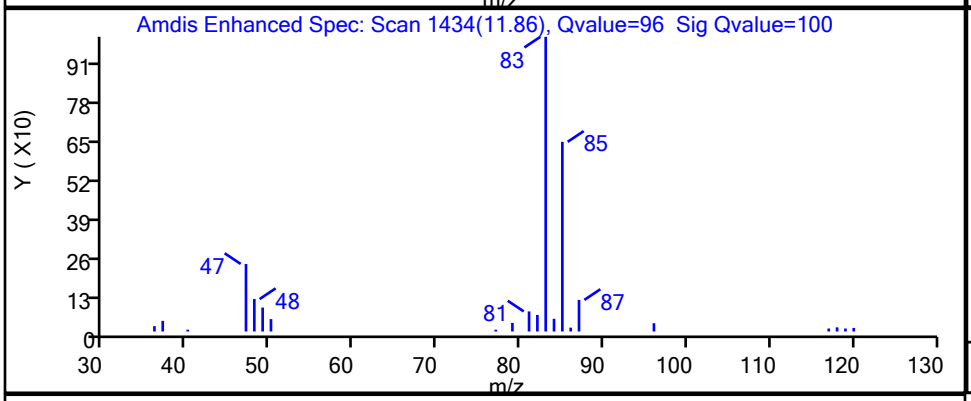
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

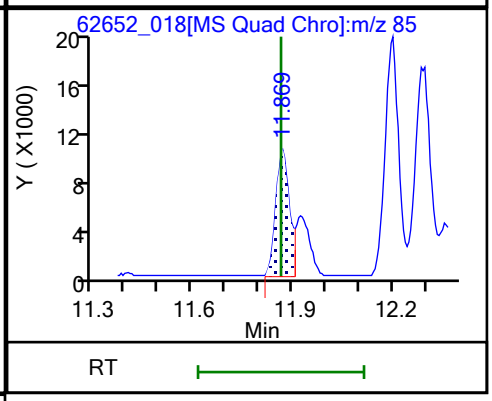
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

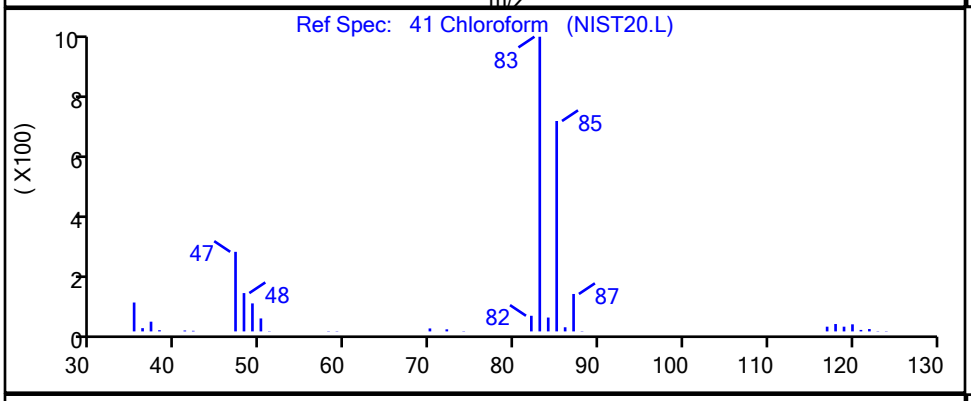
41 Chloroform, CAS: 67-66-3

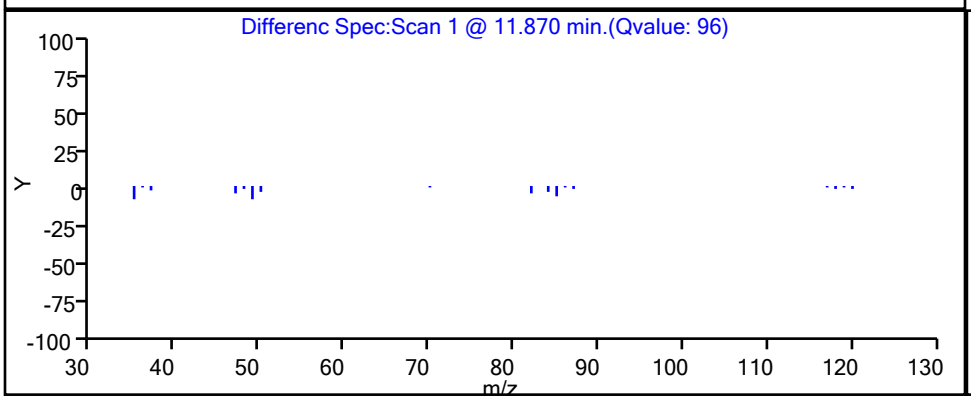


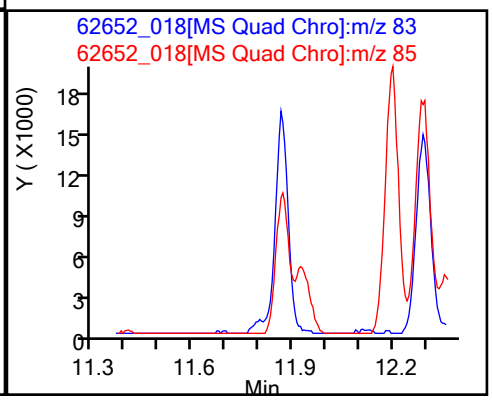










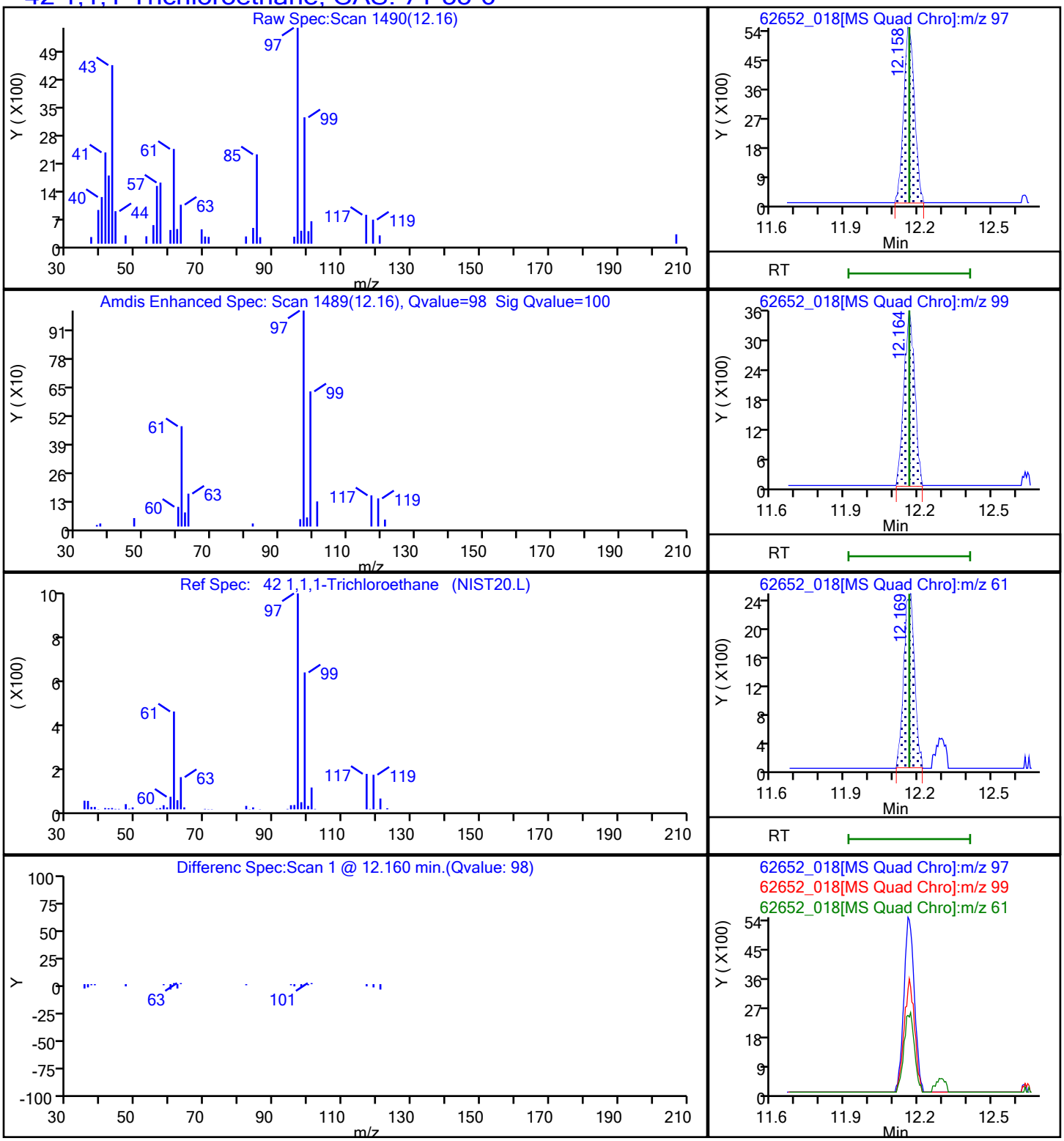


Report Date: 28-Oct-2024 07:45:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 1,1,1-Trichloroethane, CAS: 71-55-6



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Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
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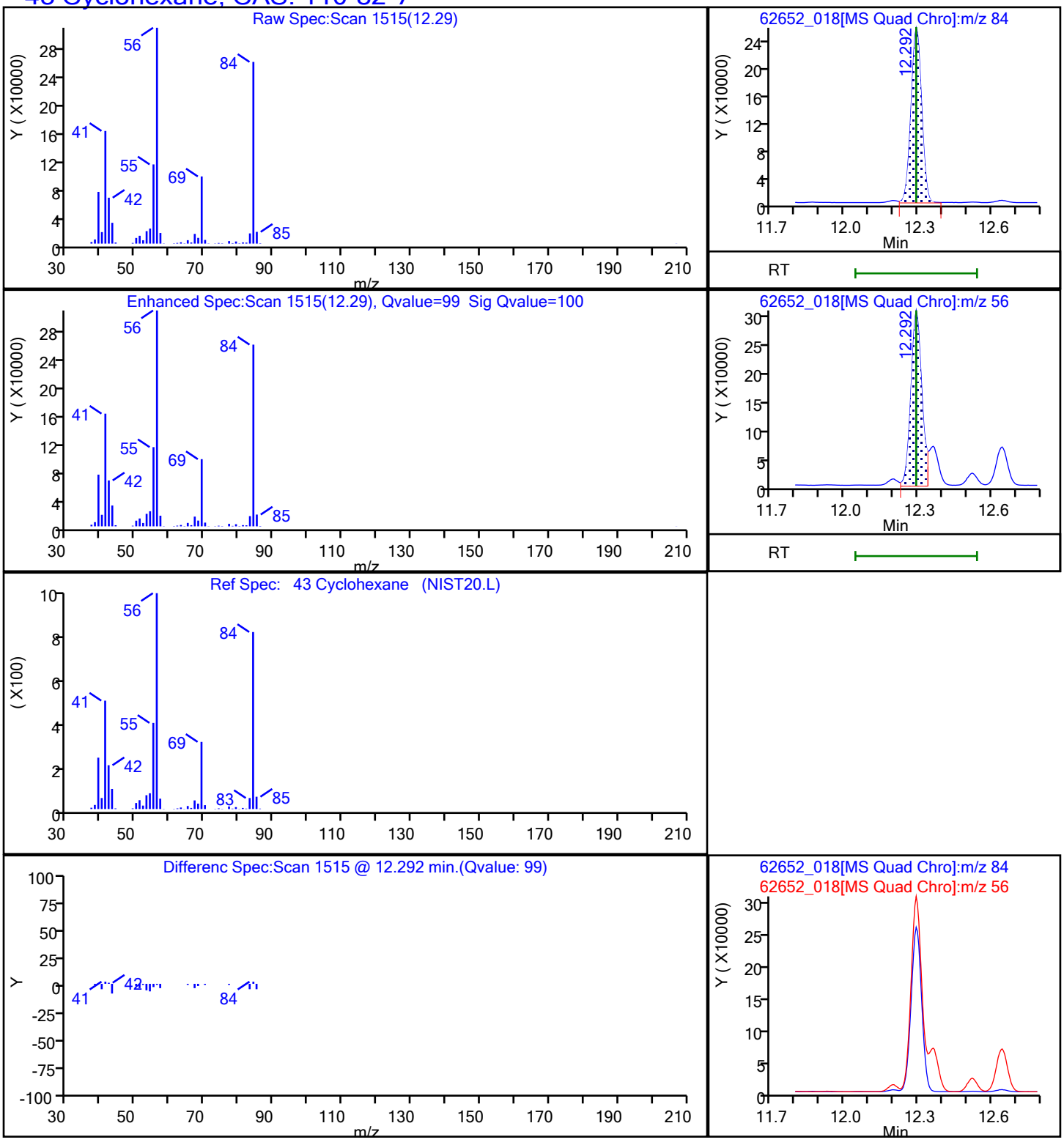
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7



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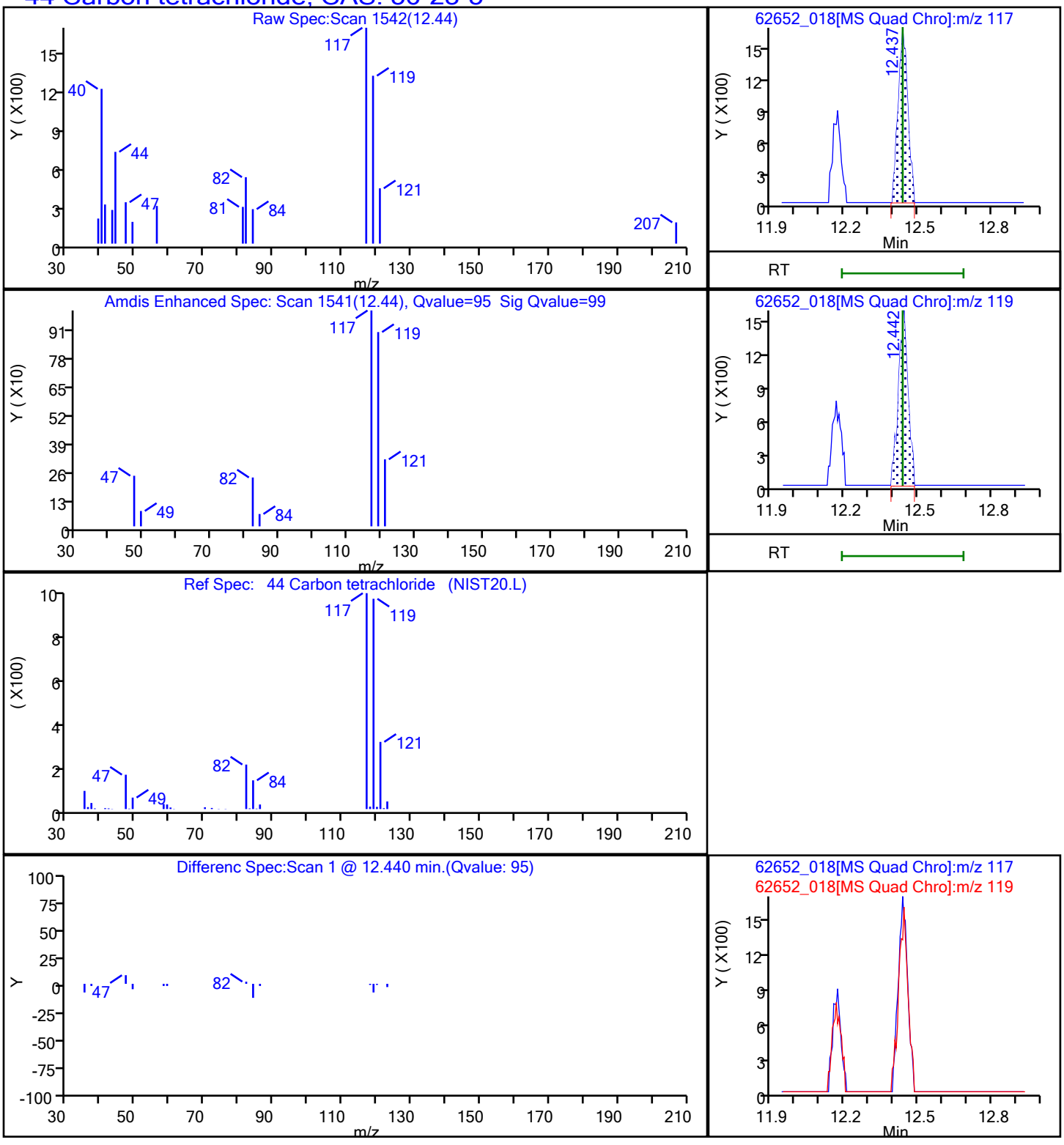
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Carbon tetrachloride, CAS: 56-23-5



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Eurofins Burlington

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Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
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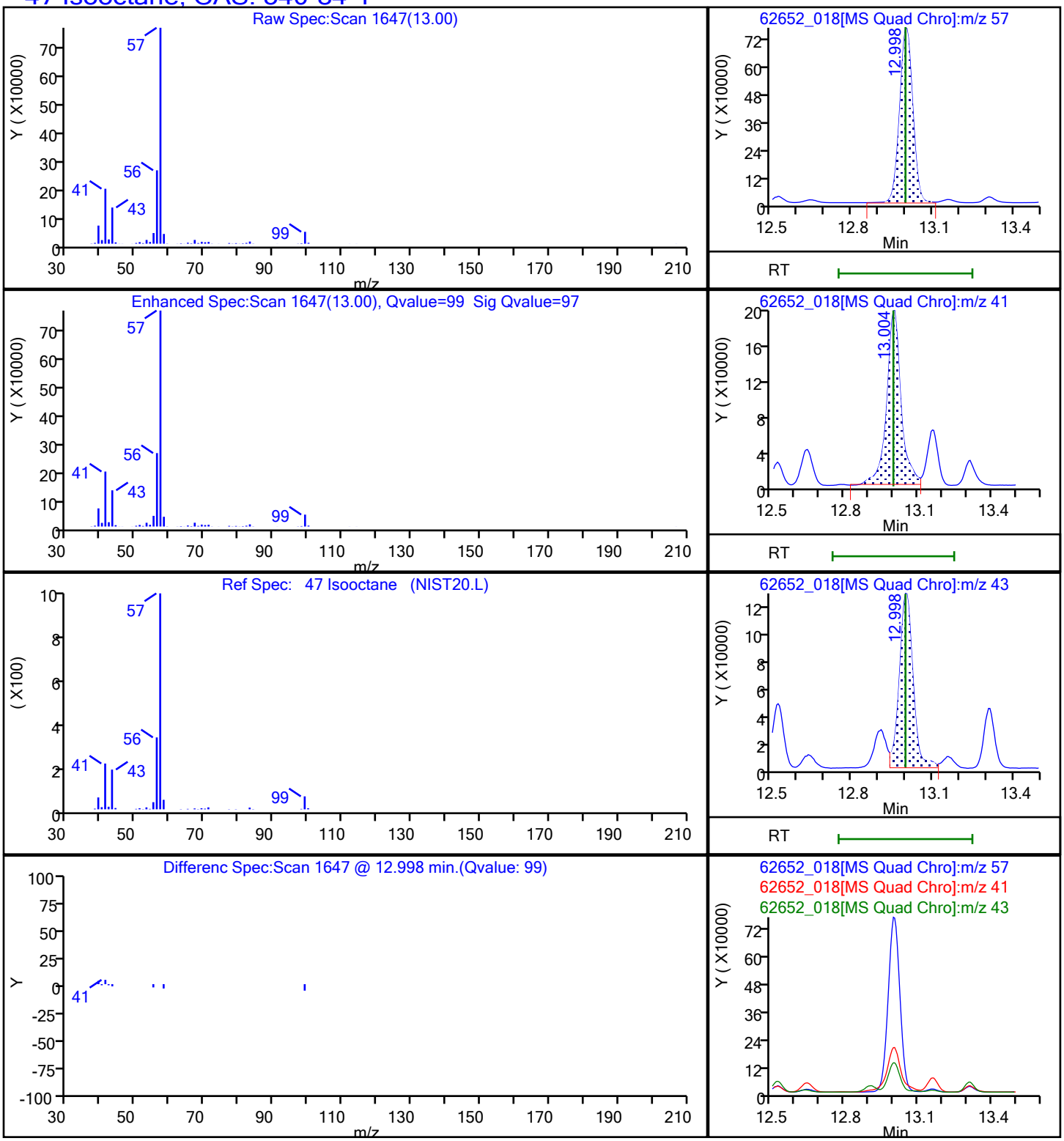
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



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Eurofins Burlington

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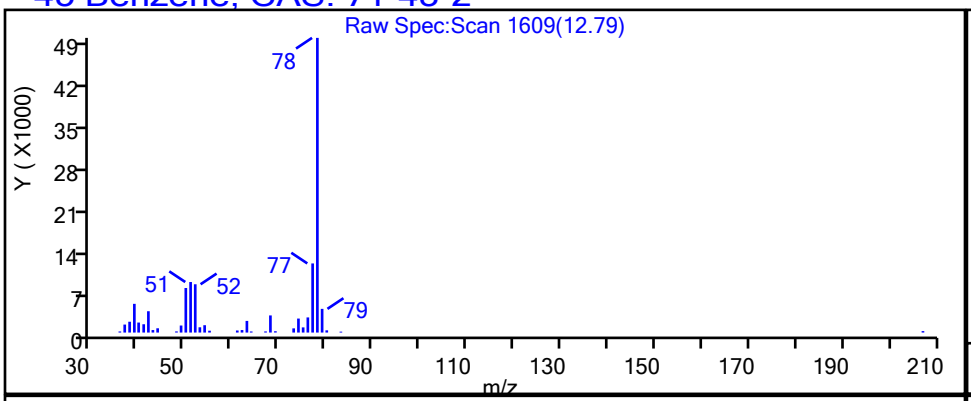
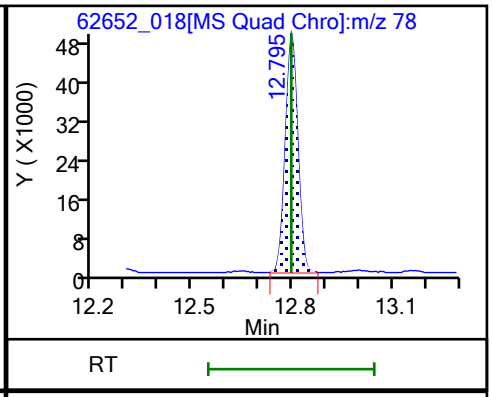
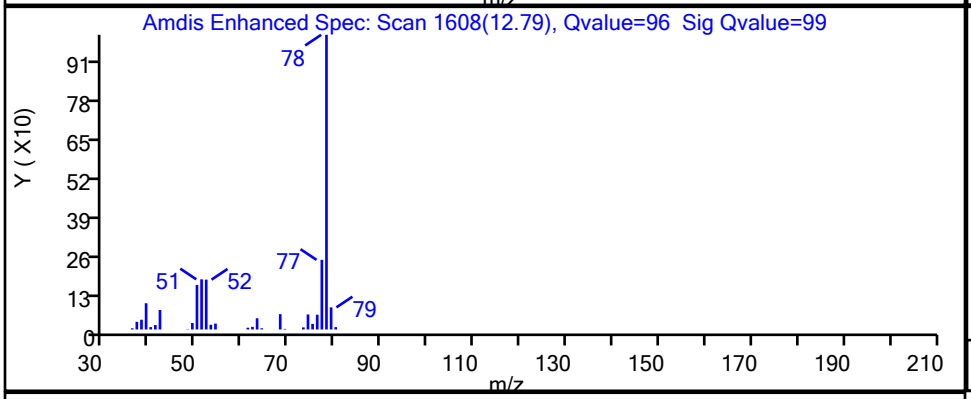
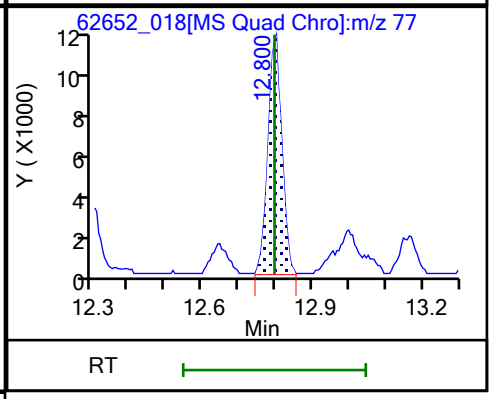
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

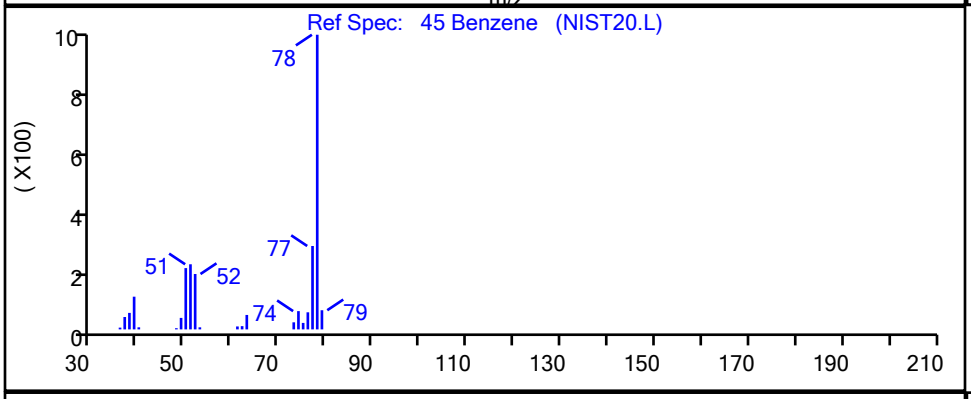
45 Benzene, CAS: 71-43-2

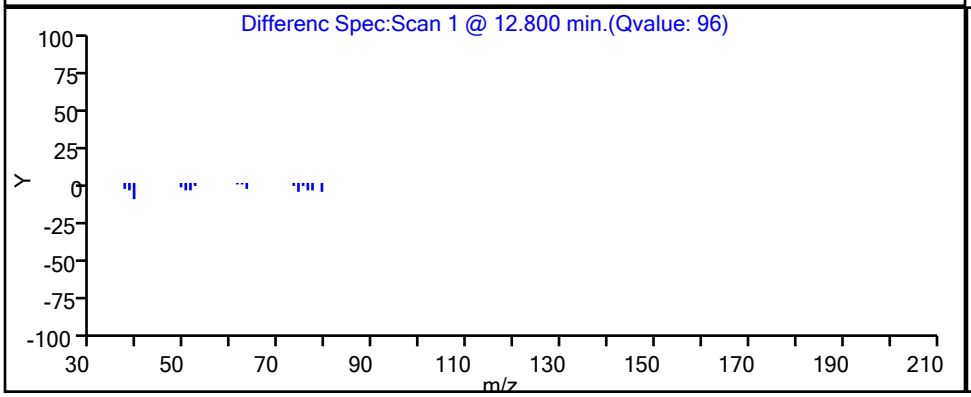


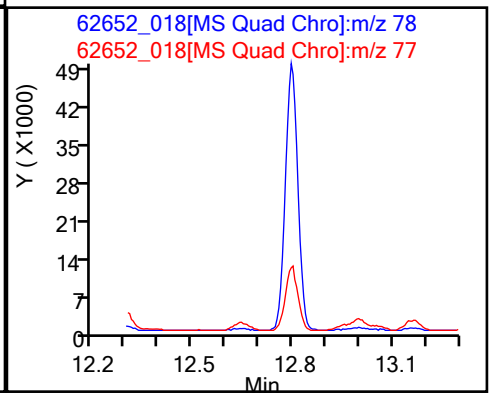












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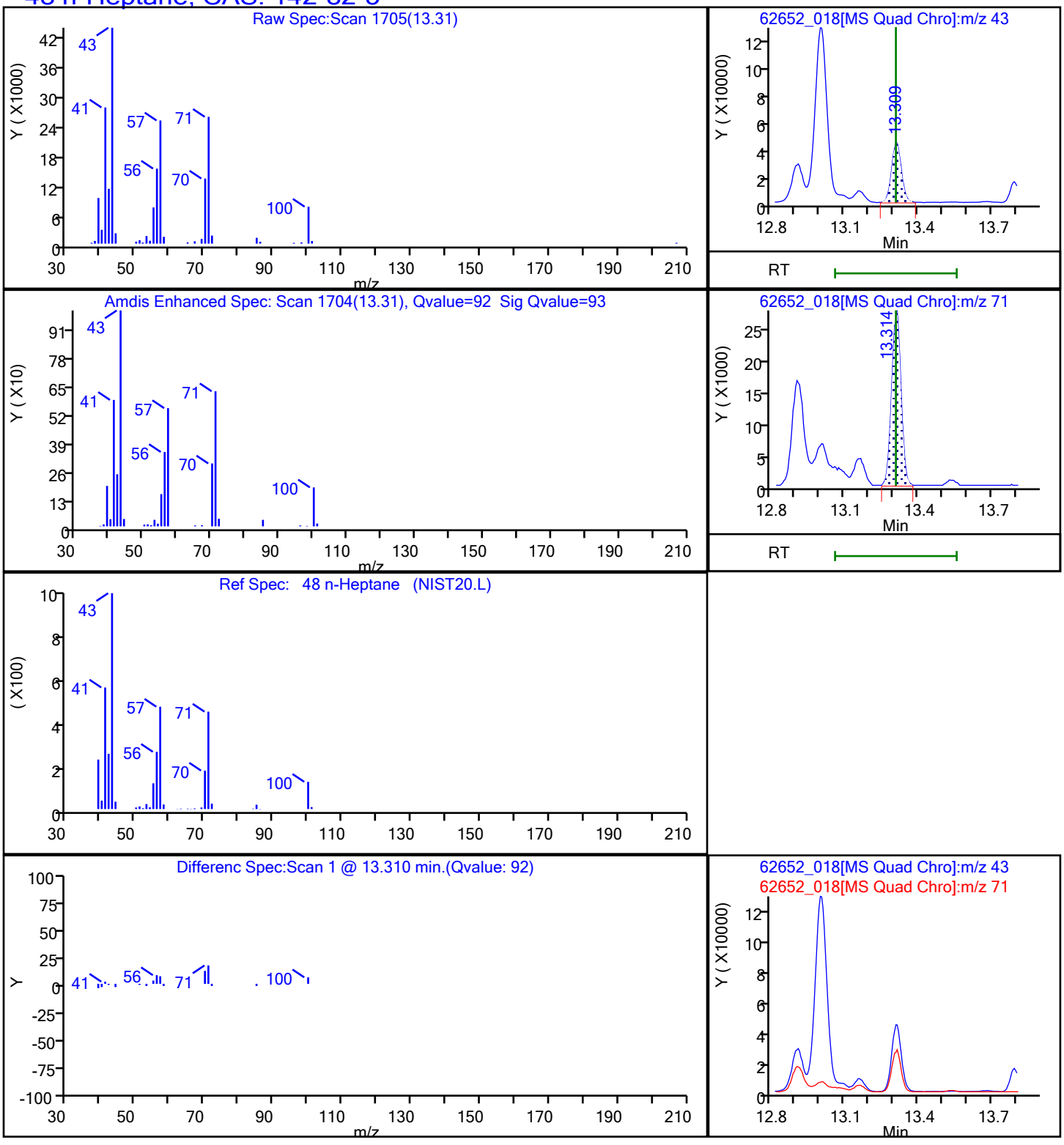
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5



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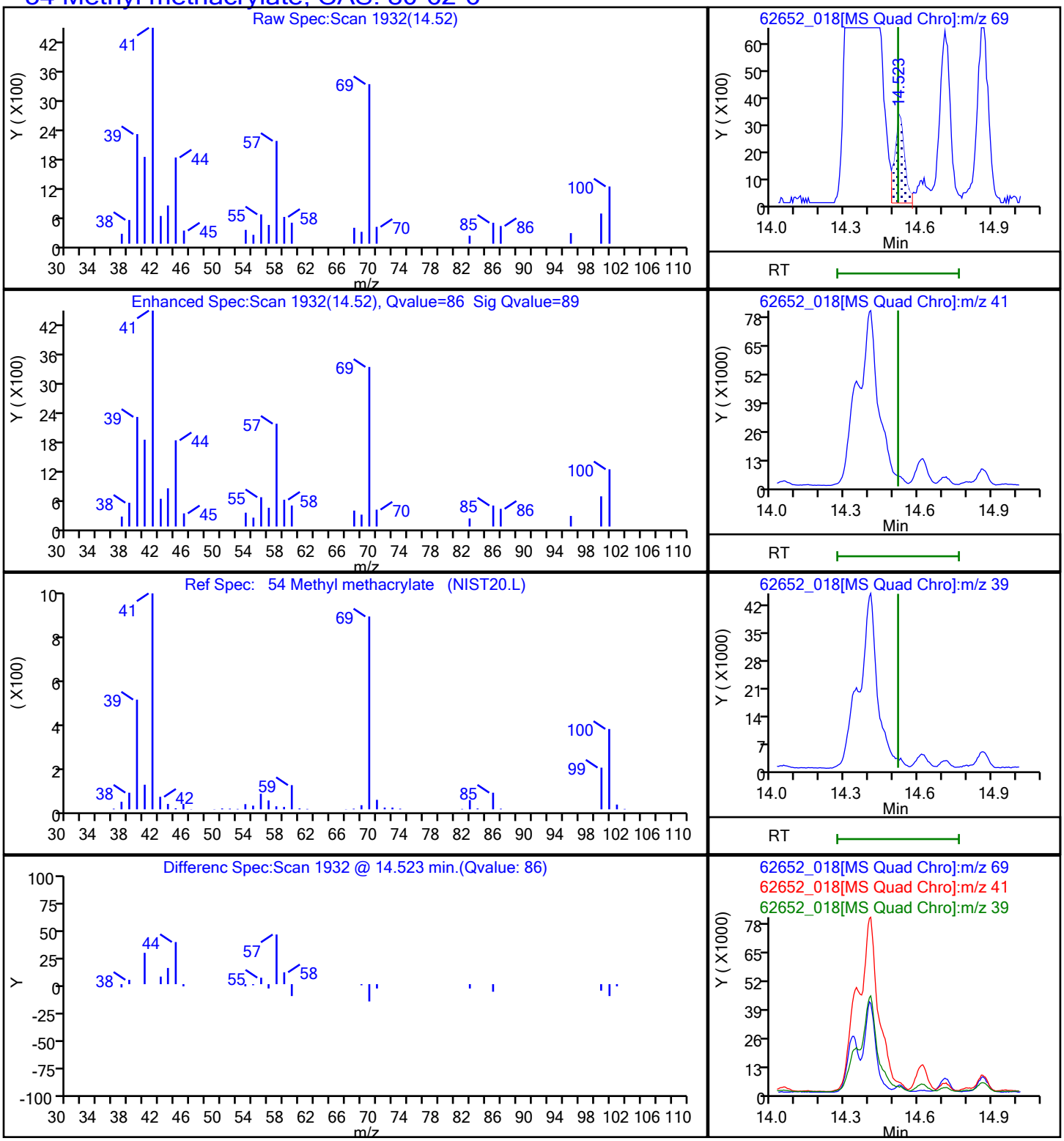
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 Methyl methacrylate, CAS: 80-62-6



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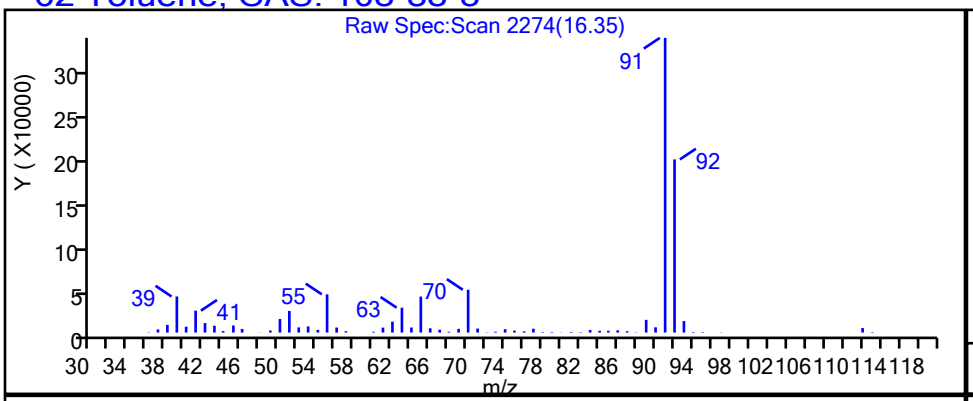
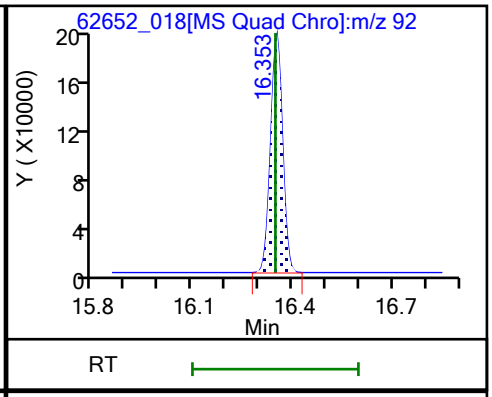
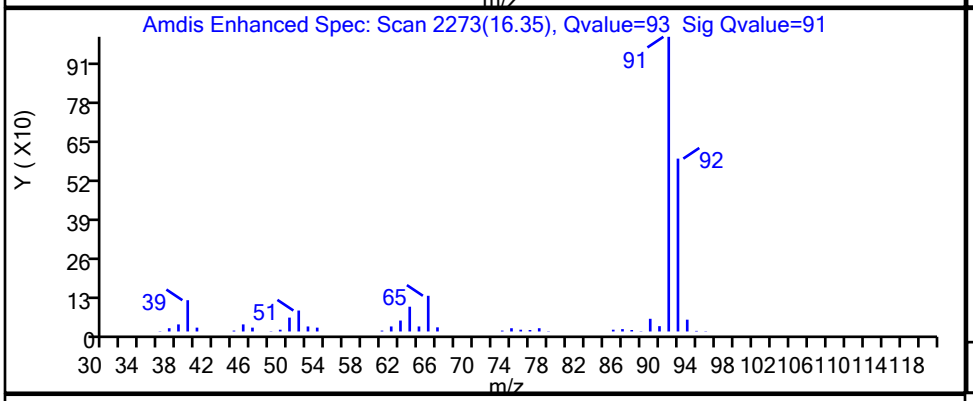
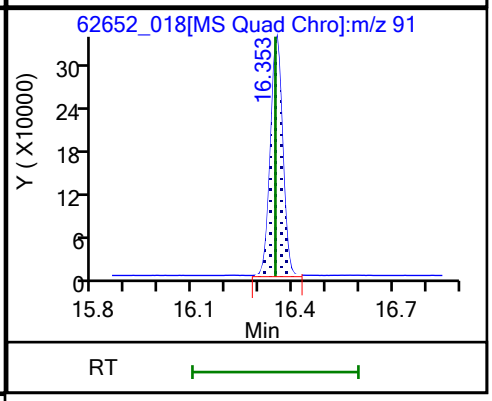
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

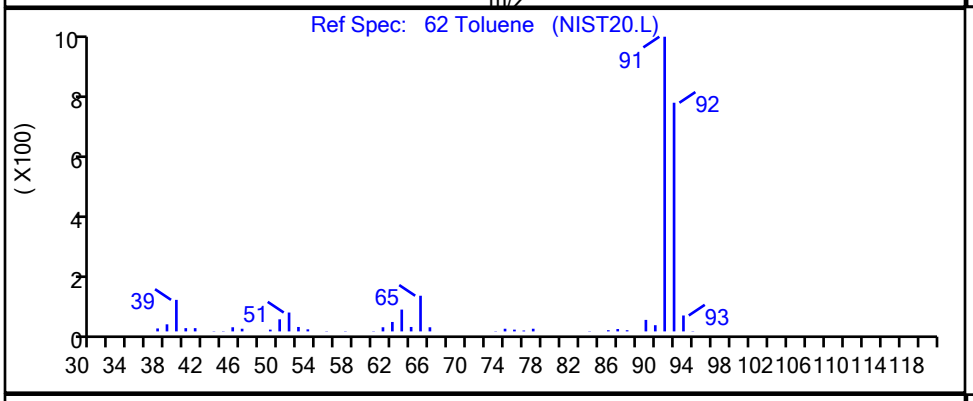
62 Toluene, CAS: 108-88-3

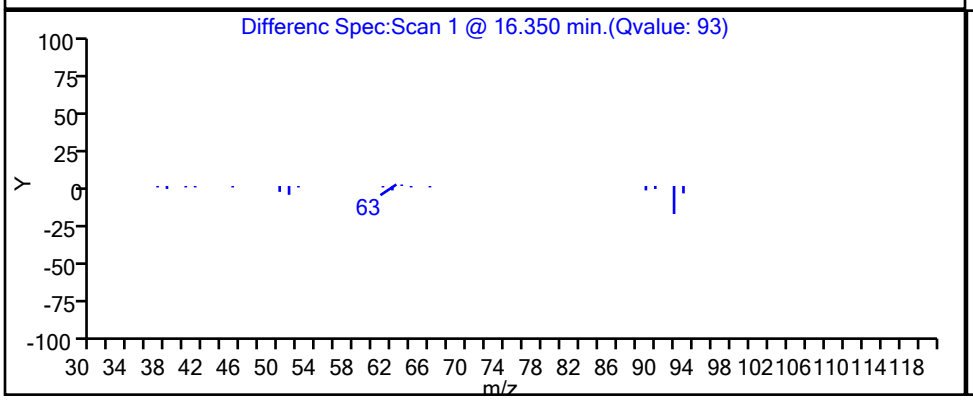


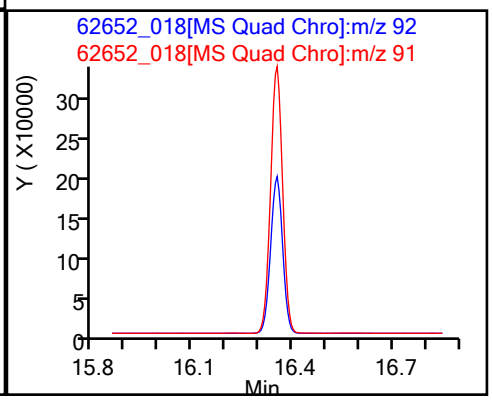












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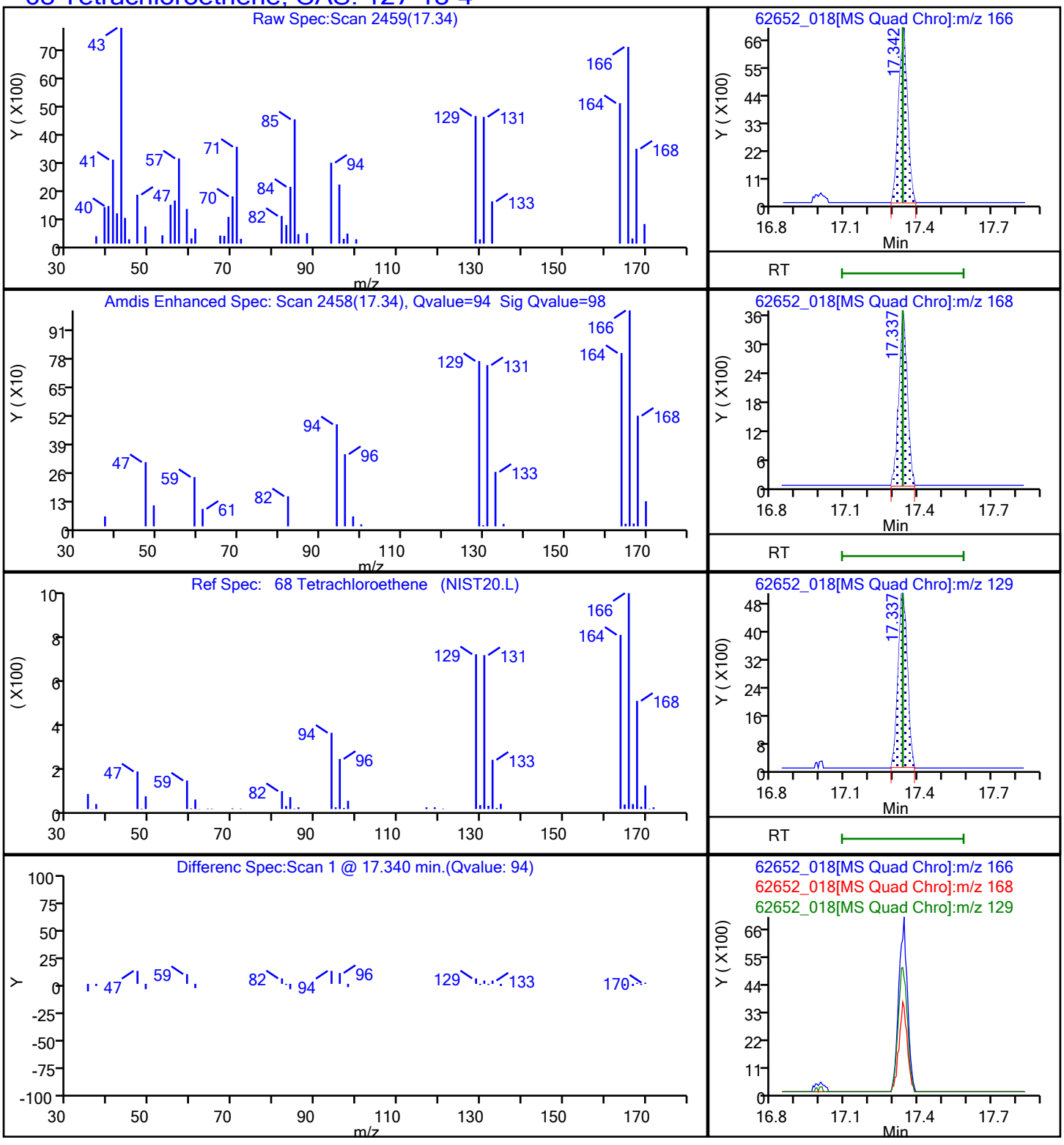
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4



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Eurofins Burlington

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Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
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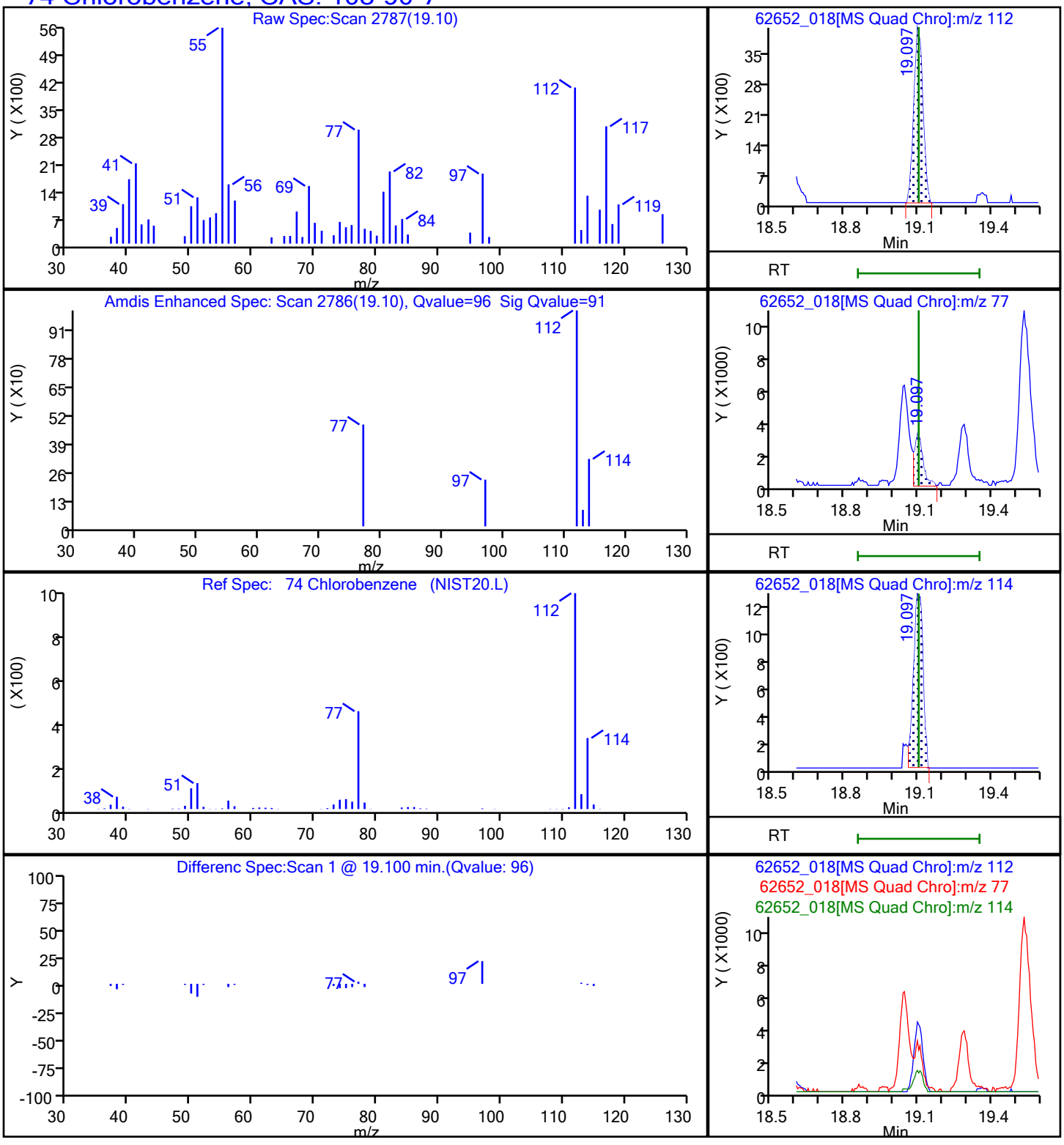
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

74 Chlorobenzene, CAS: 108-90-7



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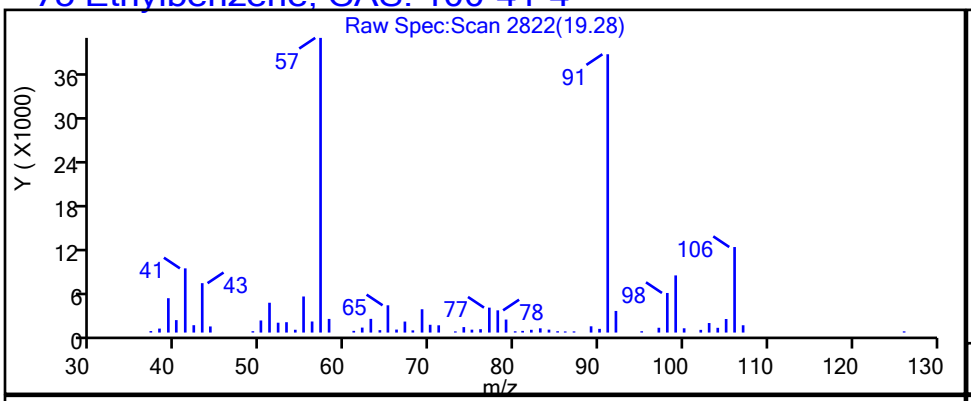
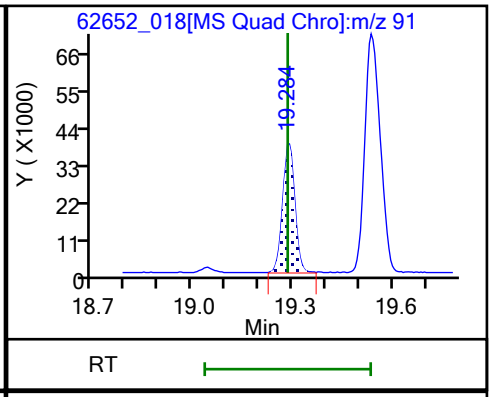
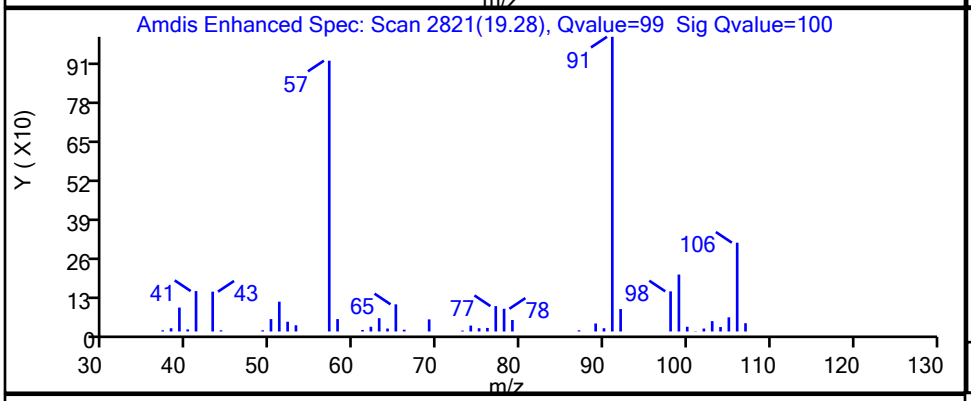
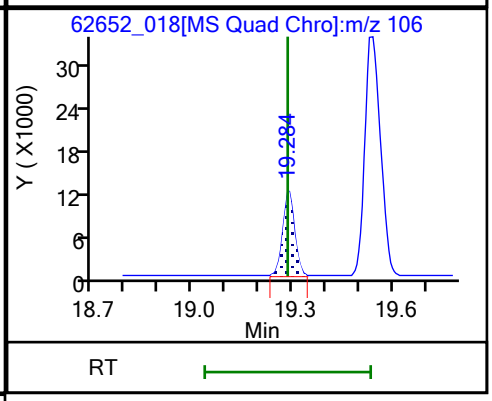
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

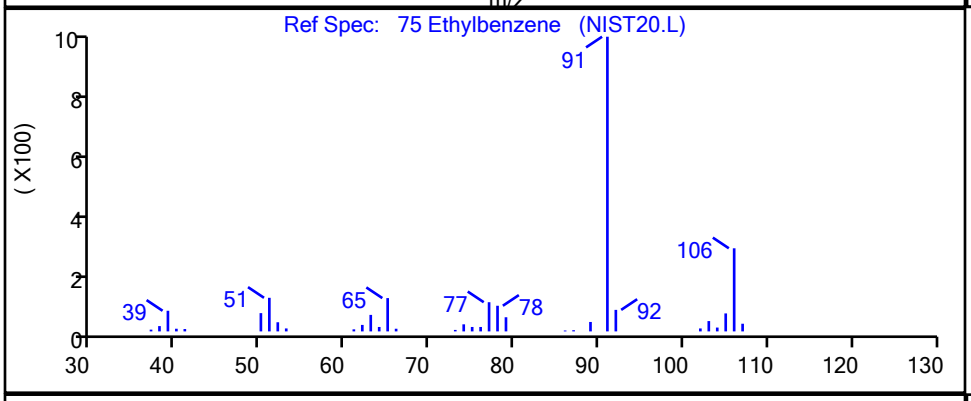
75 Ethylbenzene, CAS: 100-41-4

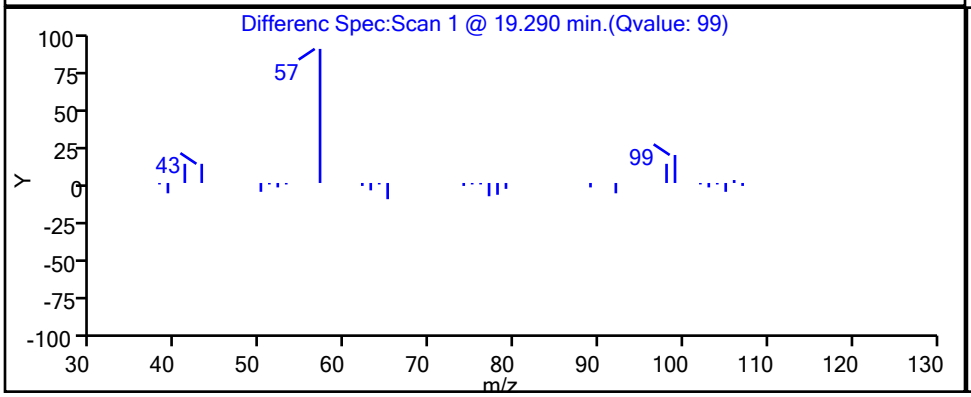


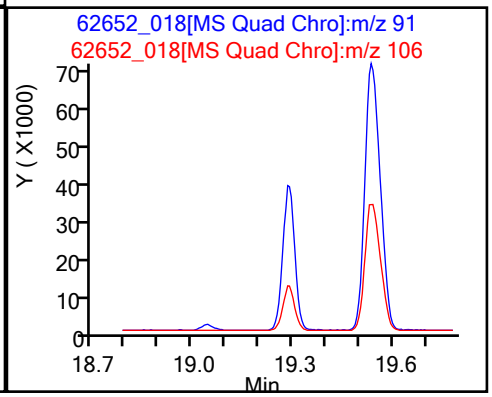












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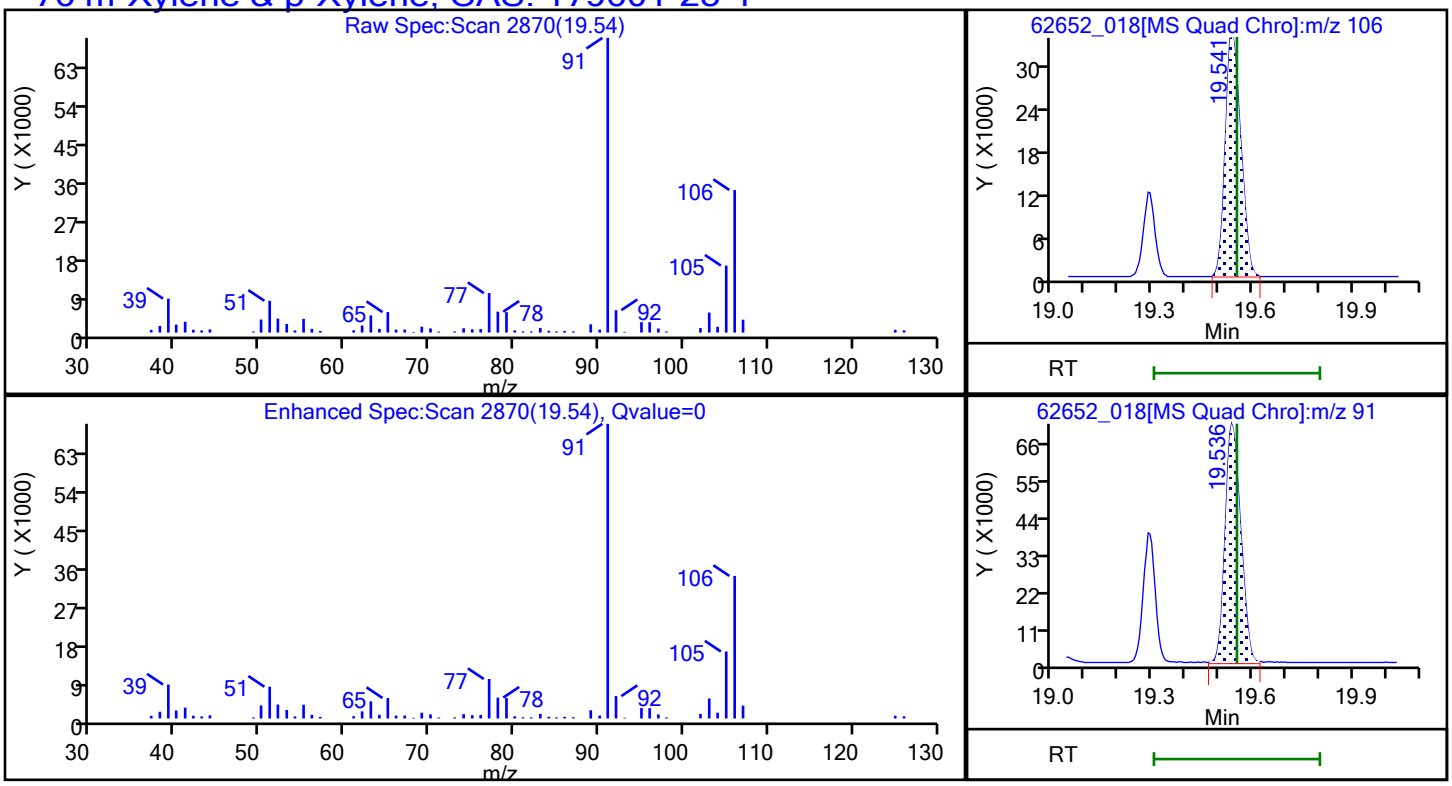
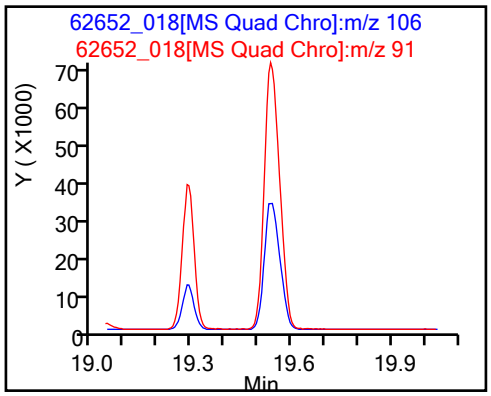
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1





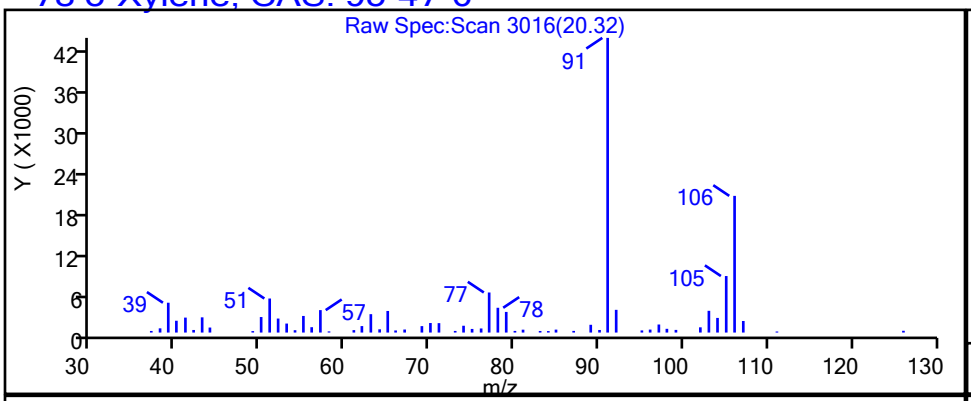
Report Date: 28-Oct-2024 07:45:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

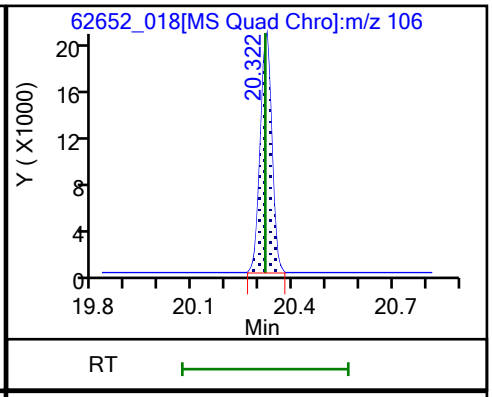
Eurofins Burlington

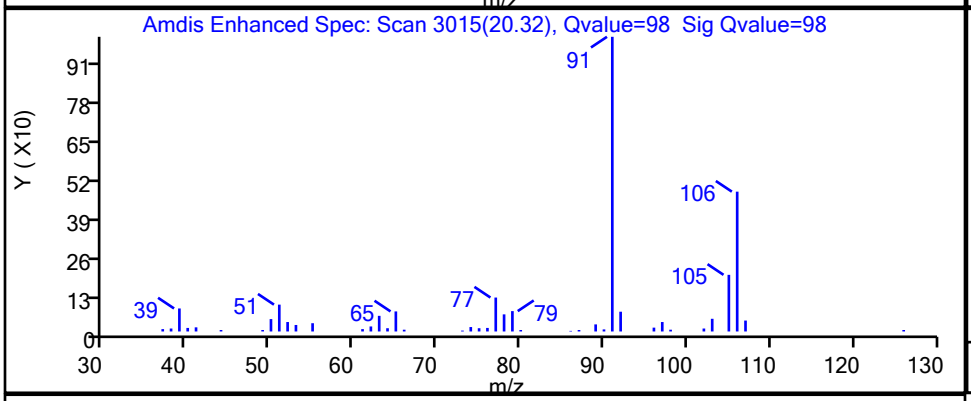
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

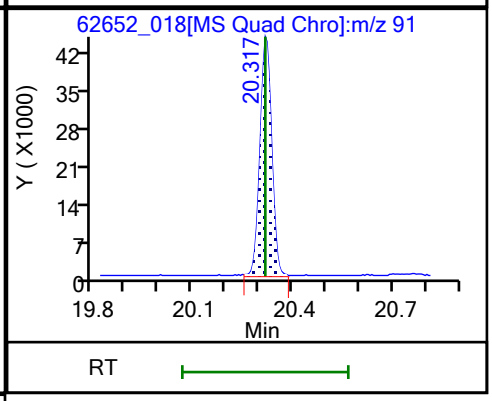
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

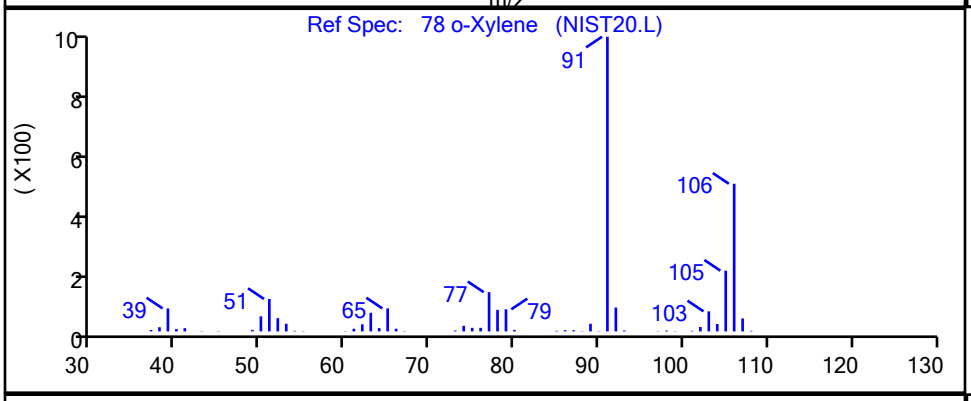
78 o-Xylene, CAS: 95-47-6

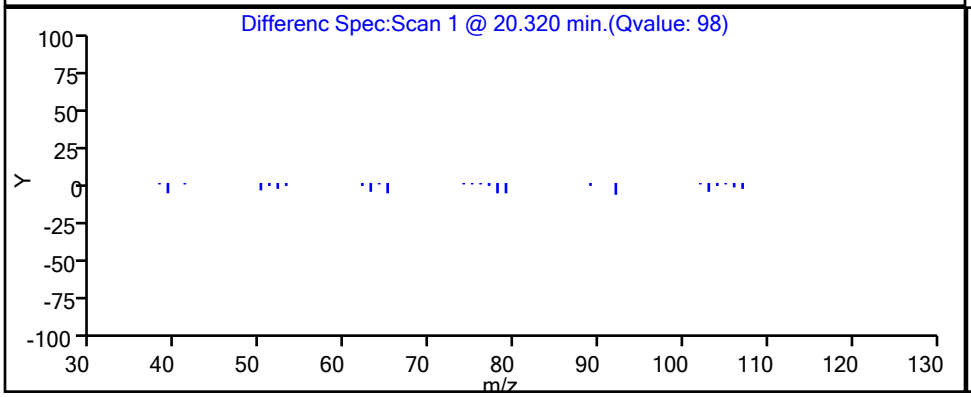


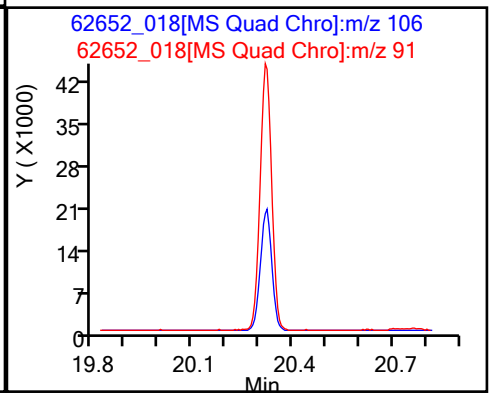










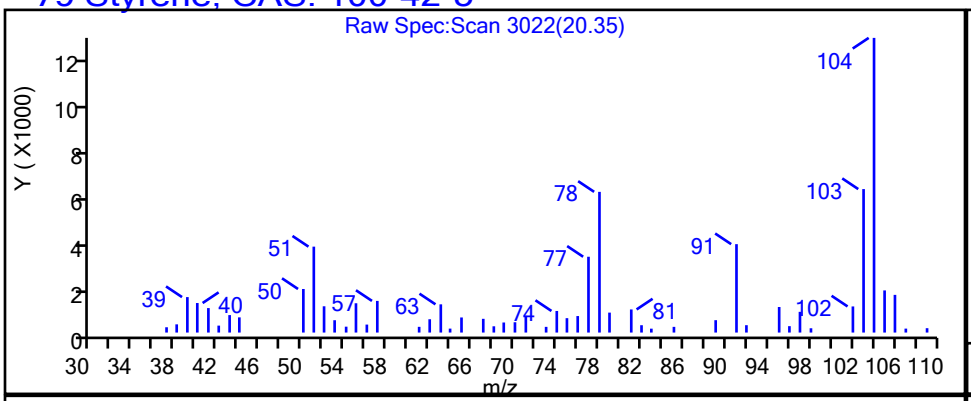


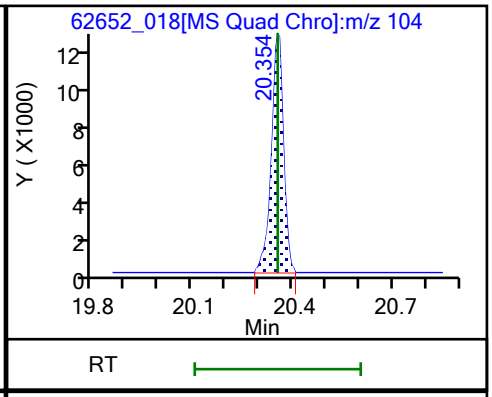
Report Date: 28-Oct-2024 07:45:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

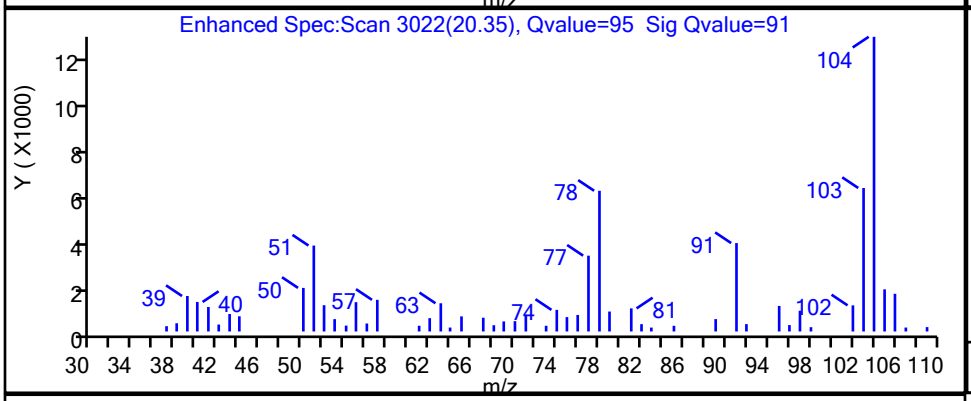
Eurofins Burlington

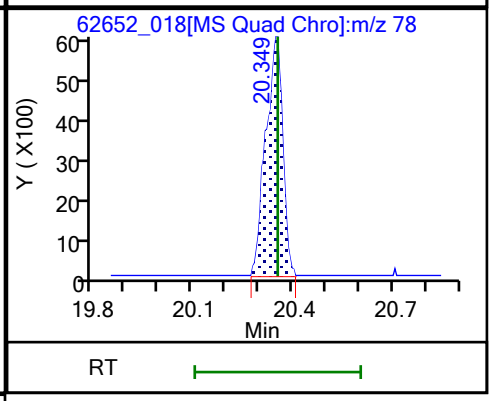
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

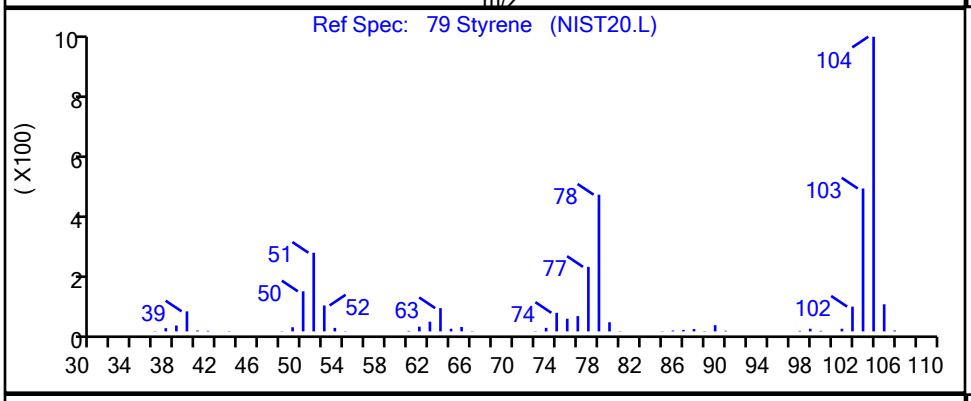
79 Styrene, CAS: 100-42-5

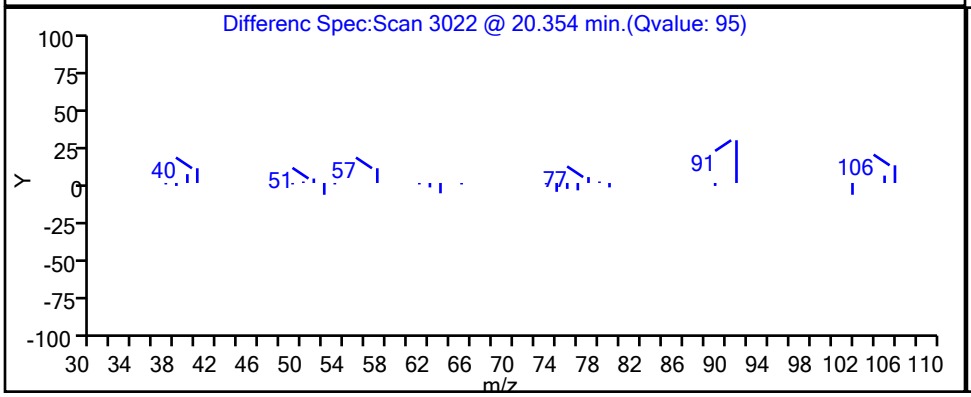


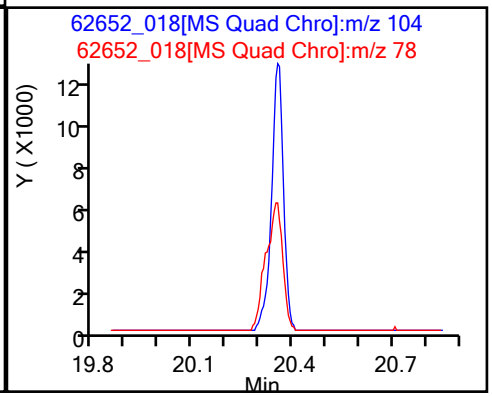












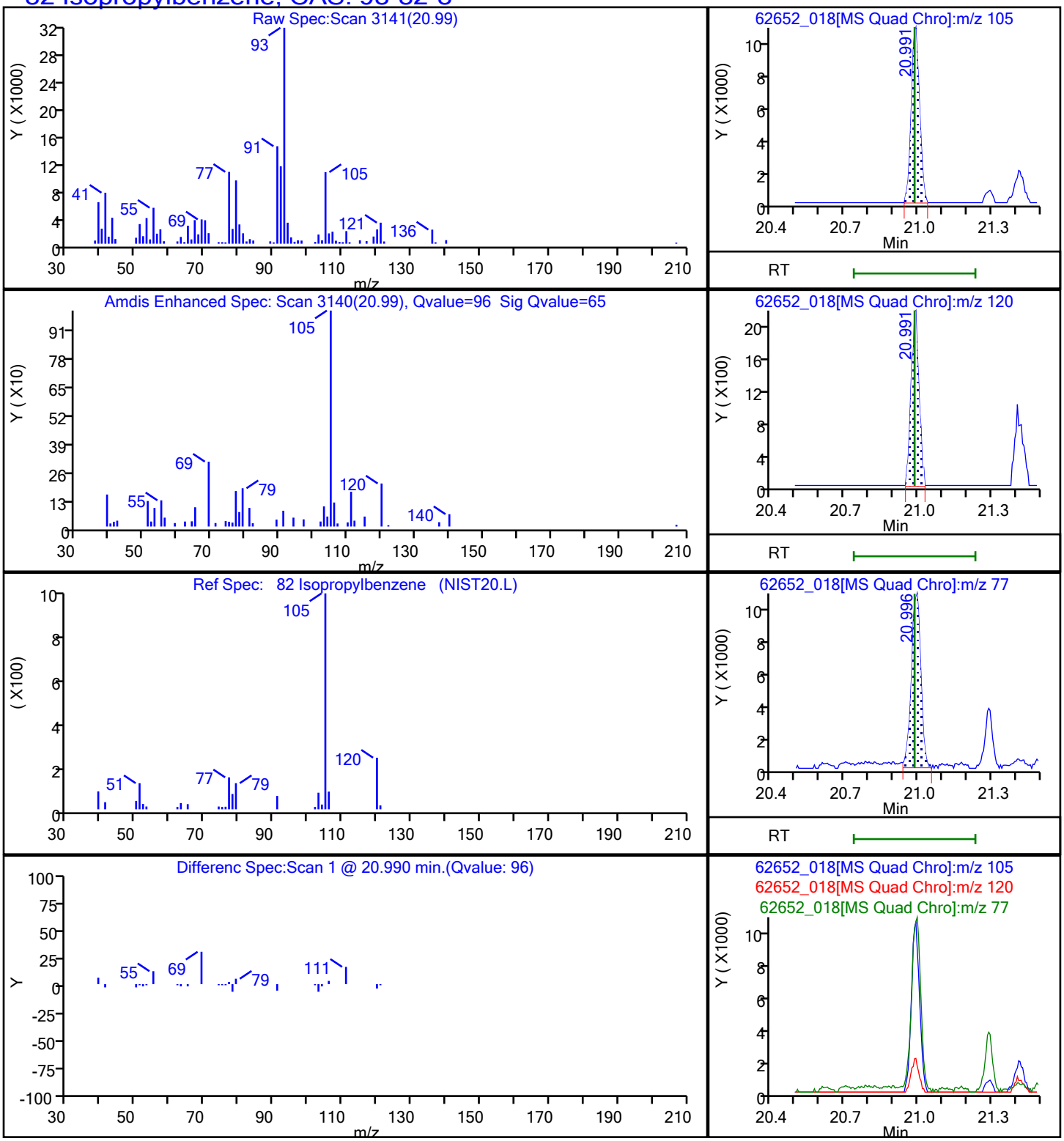
Report Date: 28-Oct-2024 07:45:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

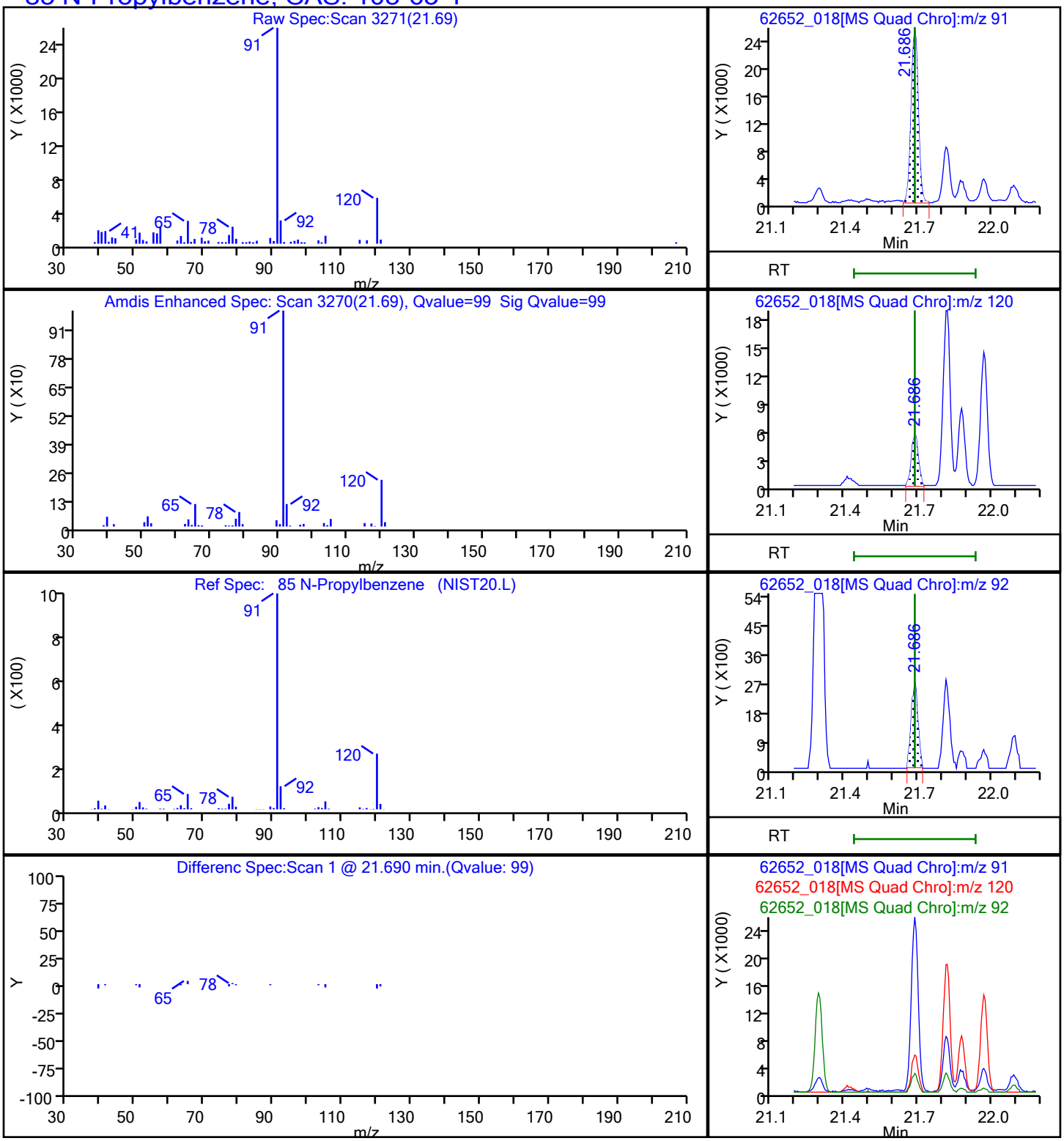


Report Date: 28-Oct-2024 07:45:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

85 N-Propylbenzene, CAS: 103-65-1



Report Date: 28-Oct-2024 07:45:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

Injection Date: 25-Oct-2024 21:49:10 Instrument ID: CHAM.i

Lims ID: 200-75561-A-2 Lab Sample ID: 200-75561-2

Client ID: SV-2_10232024

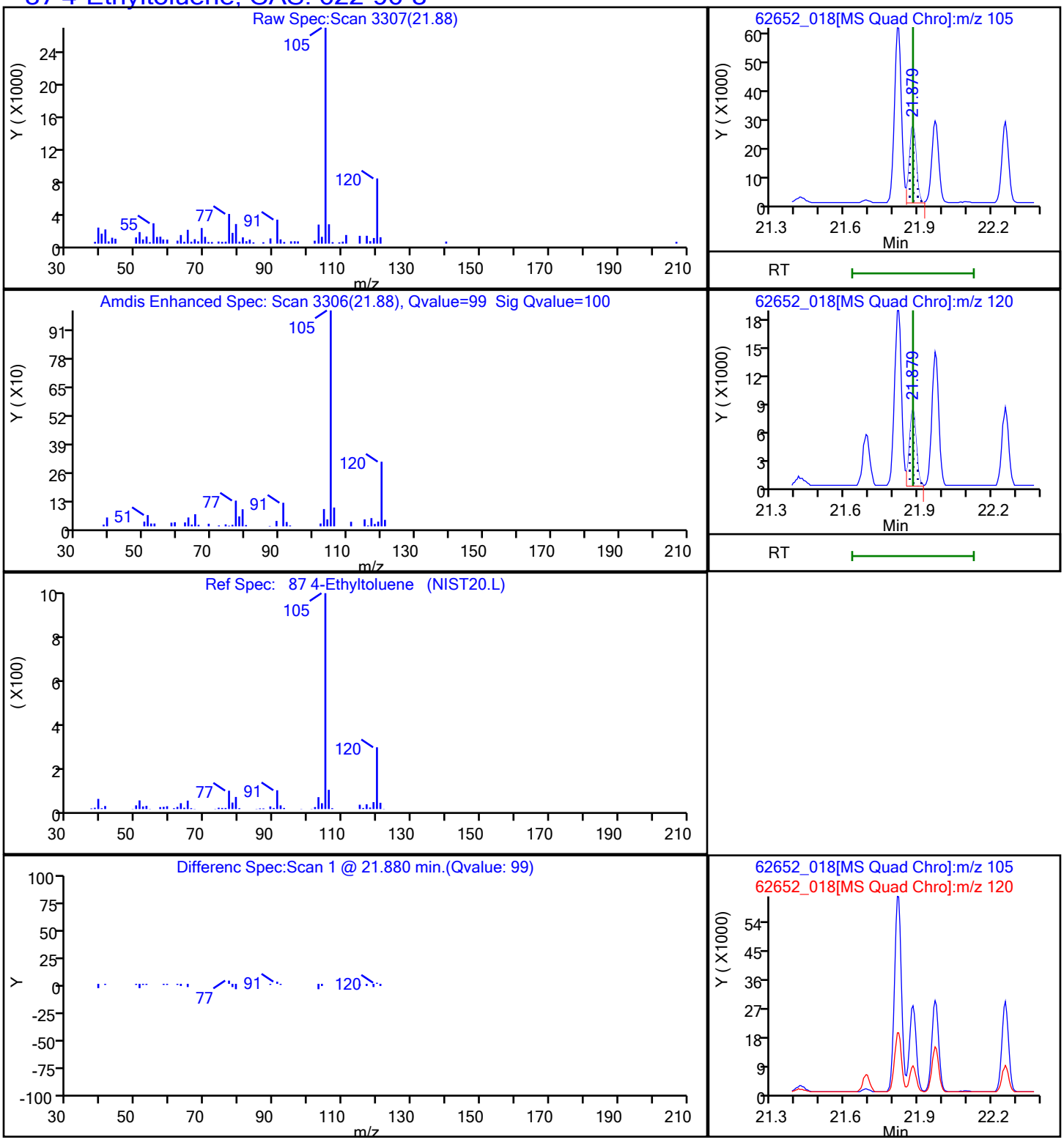
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 18

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

87 4-Ethyltoluene, CAS: 622-96-8



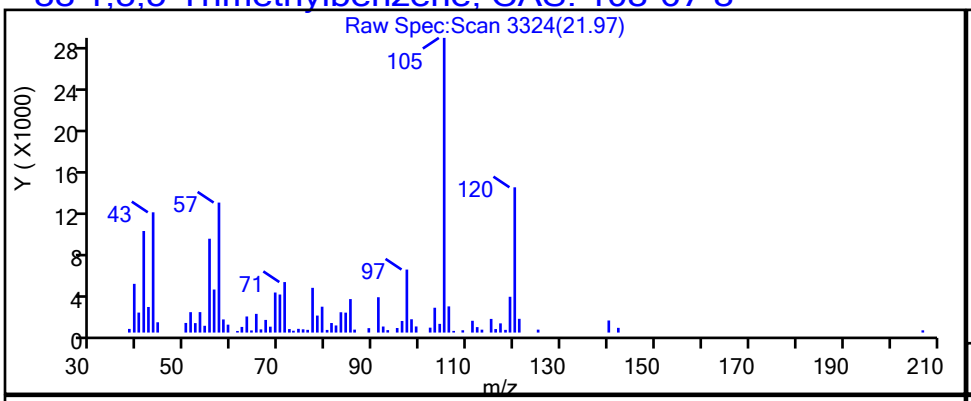
Report Date: 28-Oct-2024 07:45:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

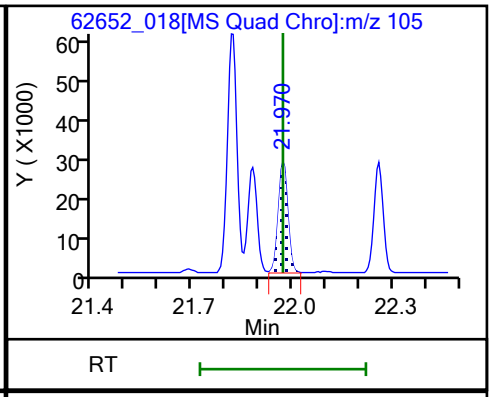
Eurofins Burlington

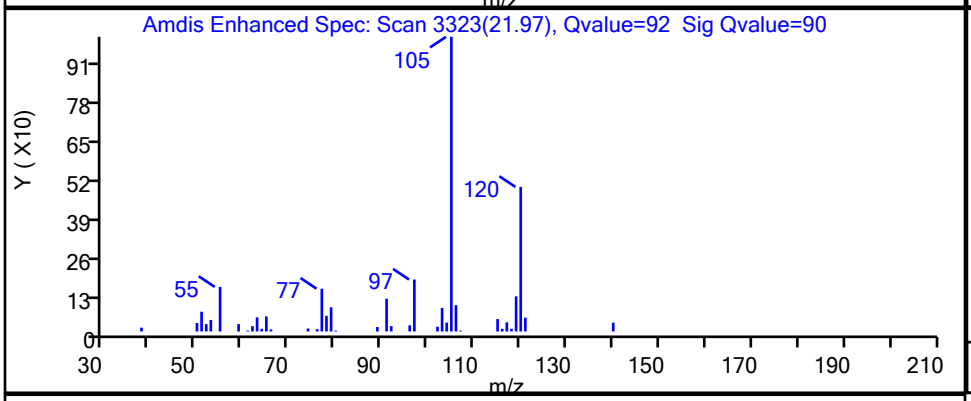
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

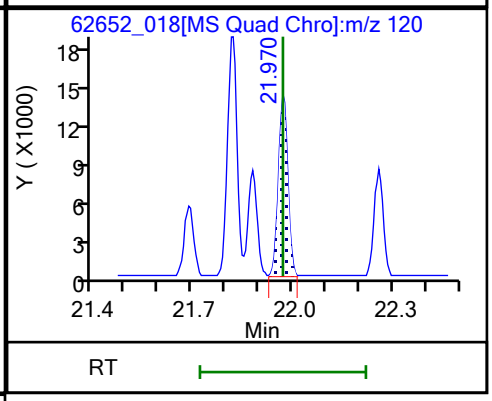
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

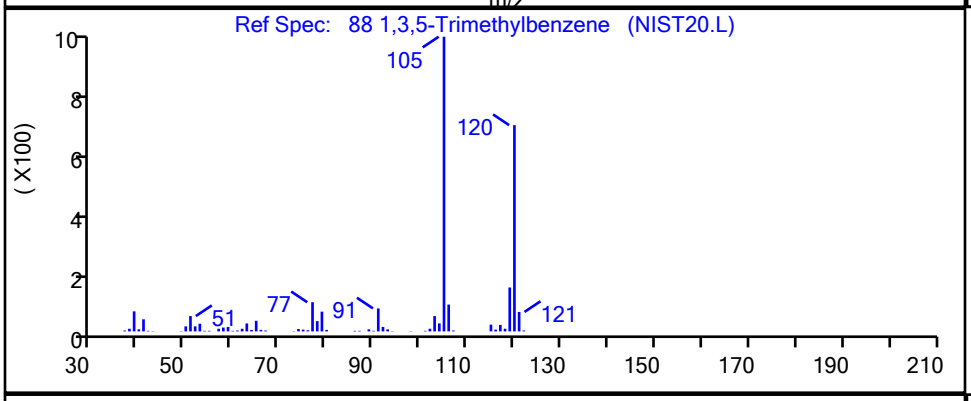
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

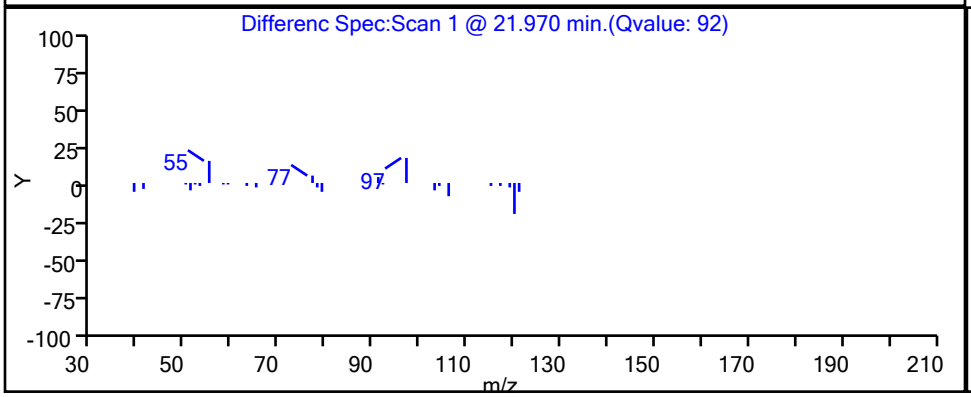


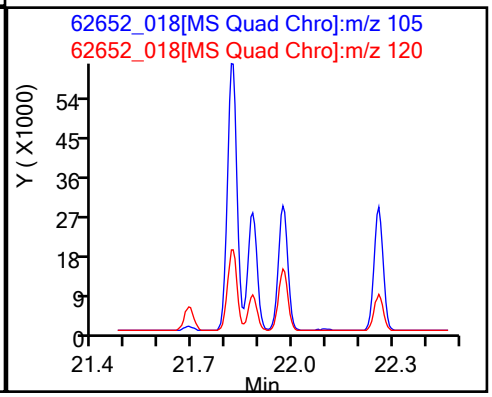












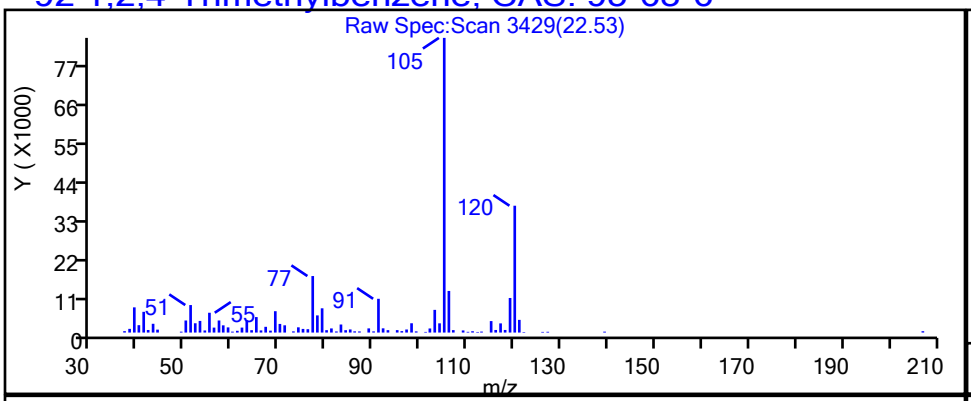
Report Date: 28-Oct-2024 07:45:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

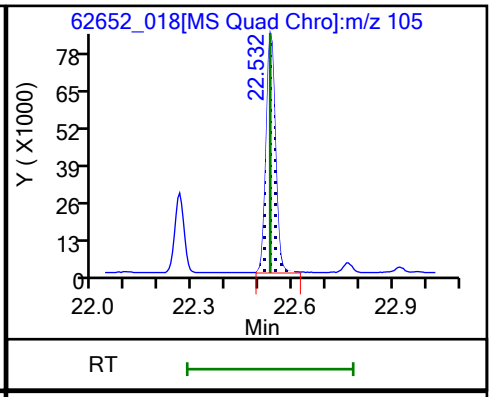
Eurofins Burlington

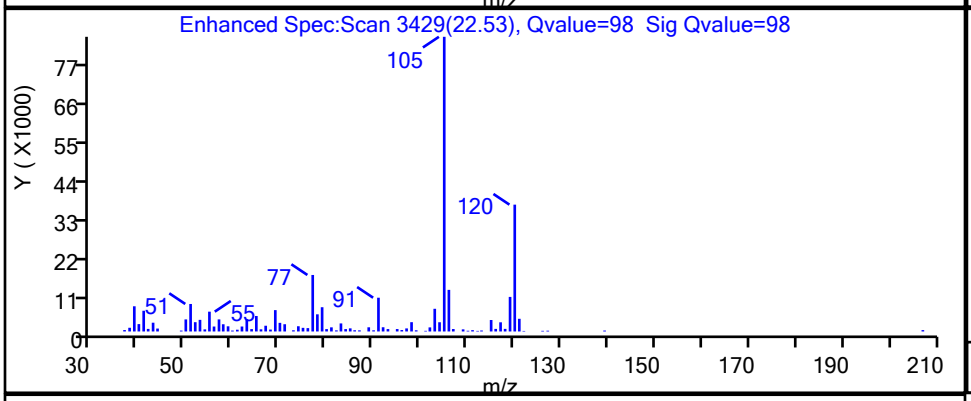
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D

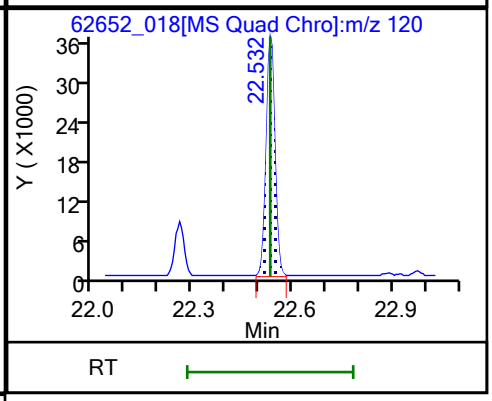
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

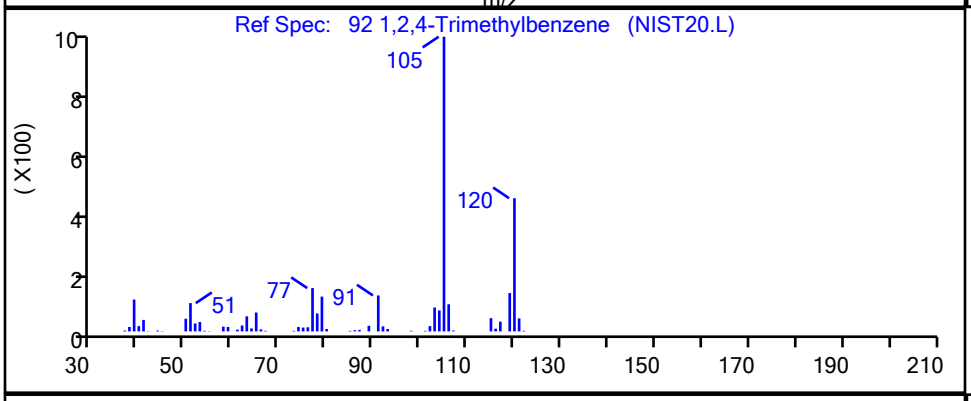
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

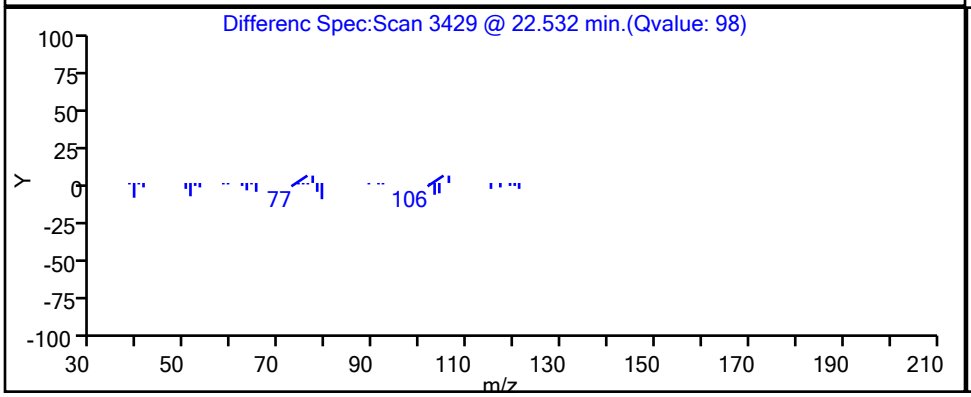


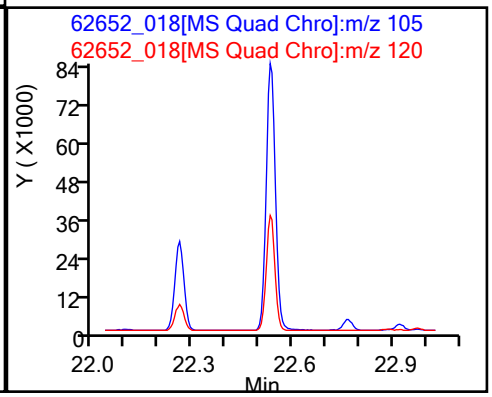












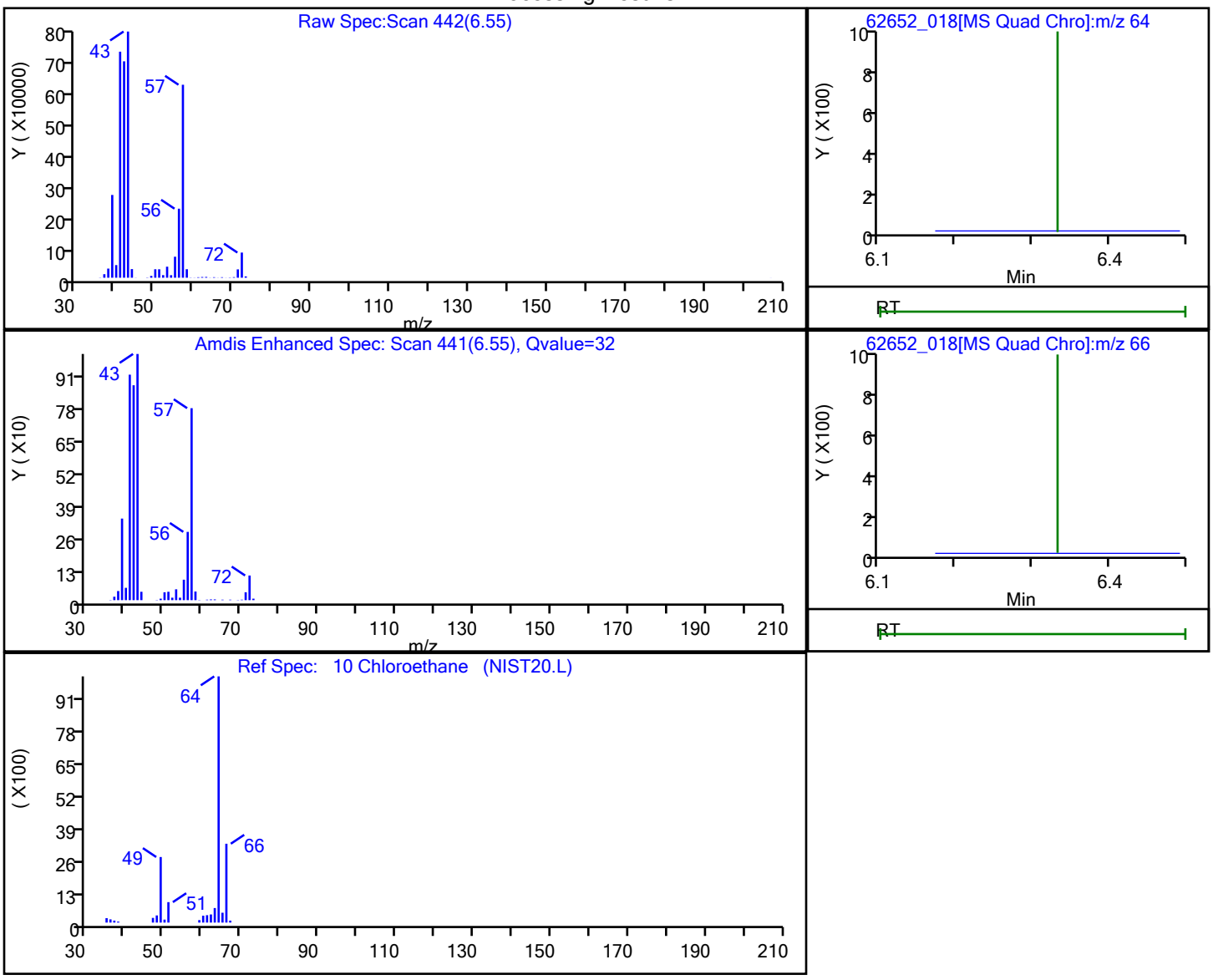
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
6.55	64.00	757	0.039589
6.54	66.00	1028	

Reviewer: YWL8, 27-Oct-2024 21:14:35 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

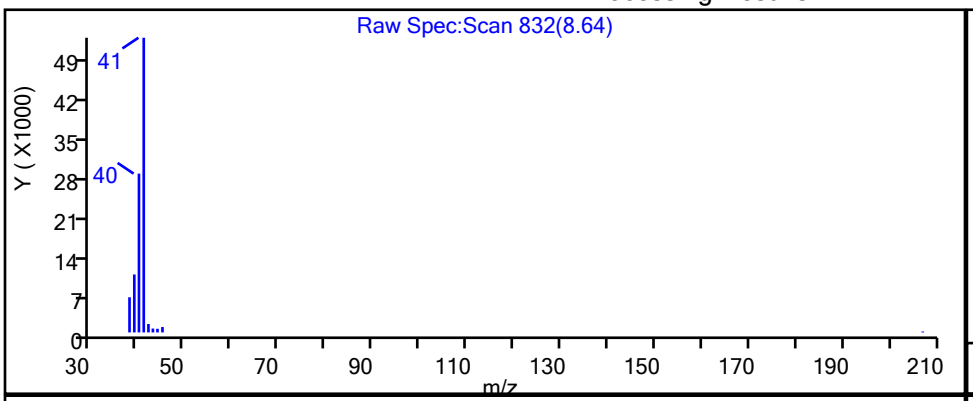
User Disabled Compound Report

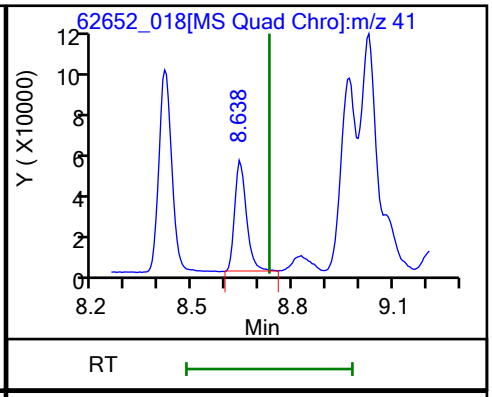
Eurofins Burlington

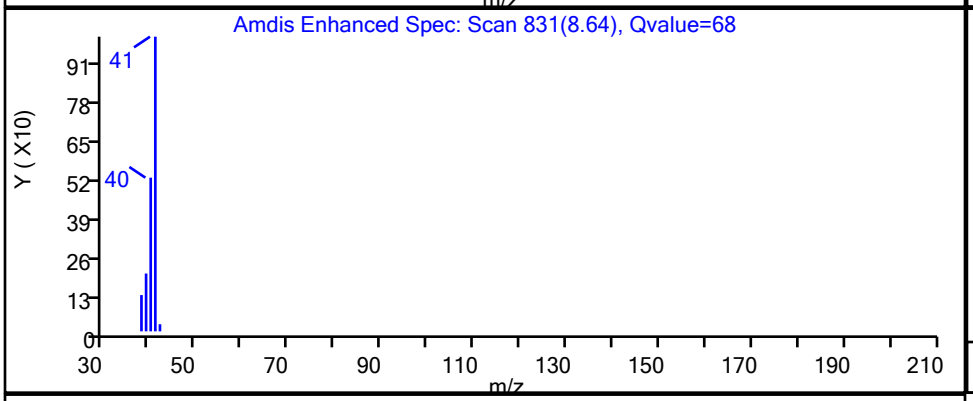
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

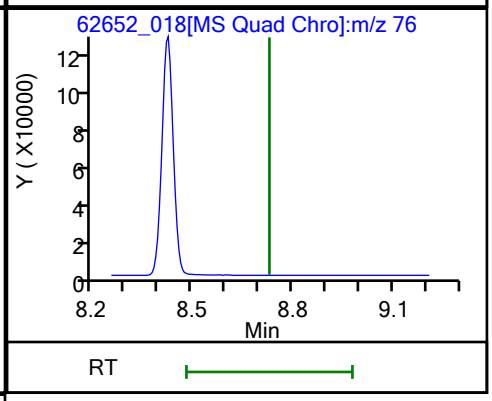
26 3-Chloro-1-propene, CAS: 107-05-1

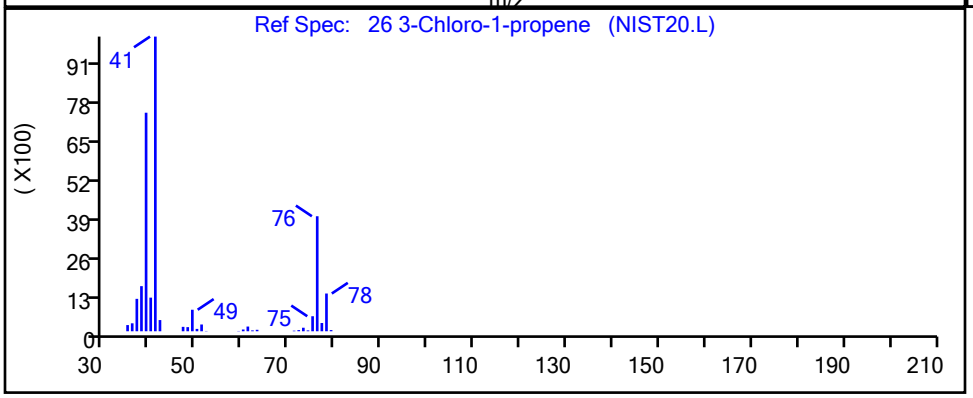
Processing Results











RT	Mass	Response	Amount
8.64	41.00	128694	2.641161
8.73	76.00	0	

Reviewer: YWL8, 27-Oct-2024 21:15:07 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

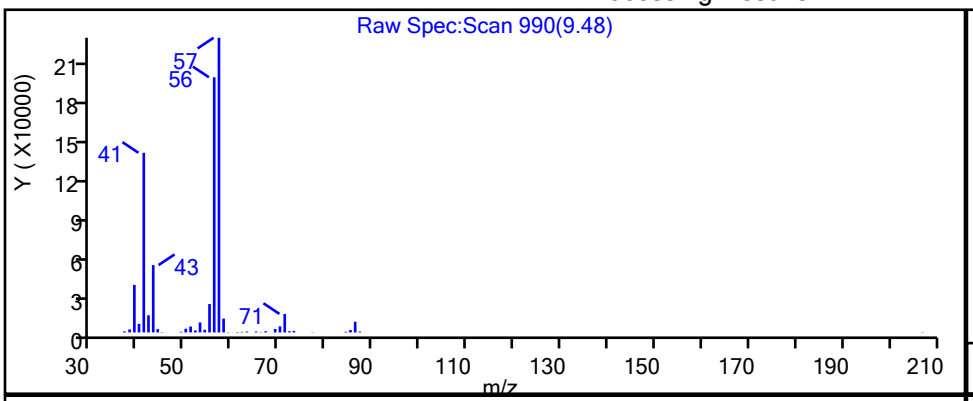
User Disabled Compound Report

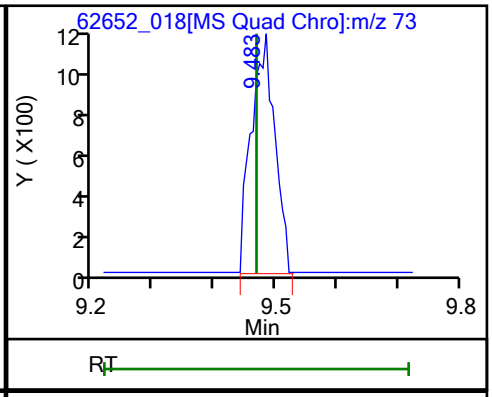
Eurofins Burlington

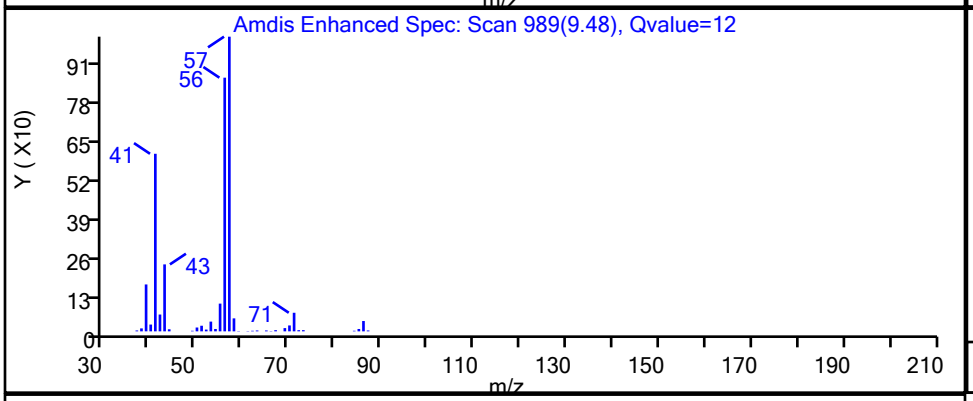
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

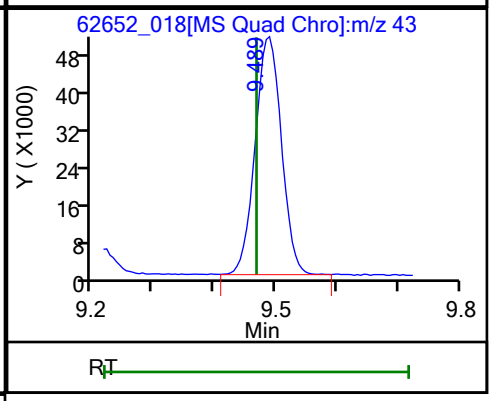
31 Methyl tert-butyl ether, CAS: 1634-04-4

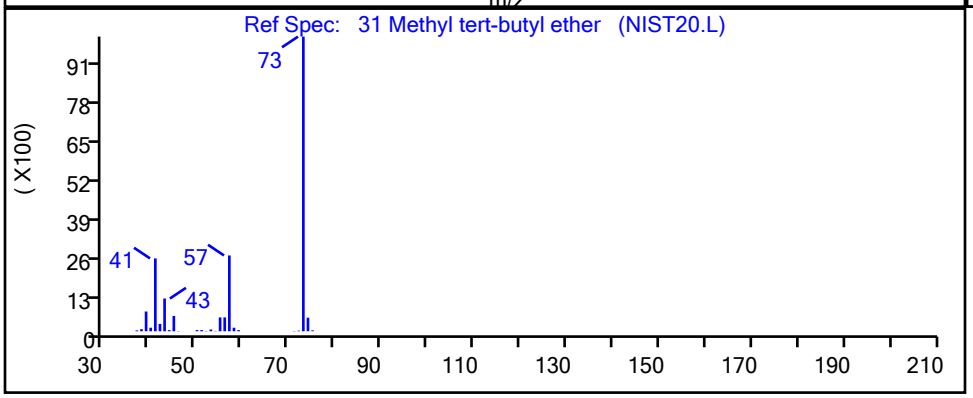
Processing Results











RT	Mass	Response	Amount
9.48	73.00	3174	0.025675
9.49	43.00	153073	

Reviewer: YWL8, 27-Oct-2024 21:15:19 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

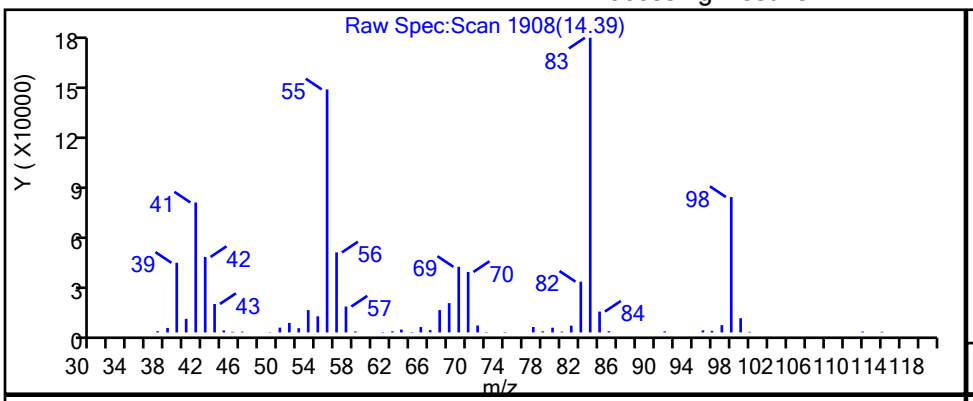
User Disabled Compound Report

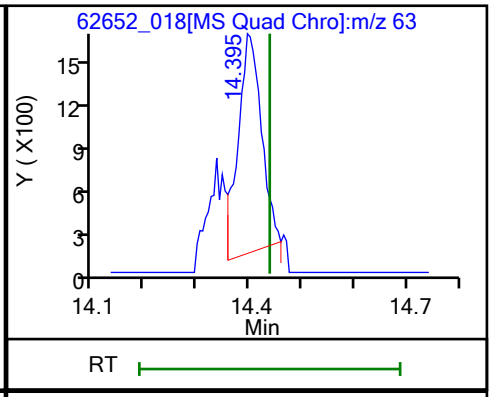
Eurofins Burlington

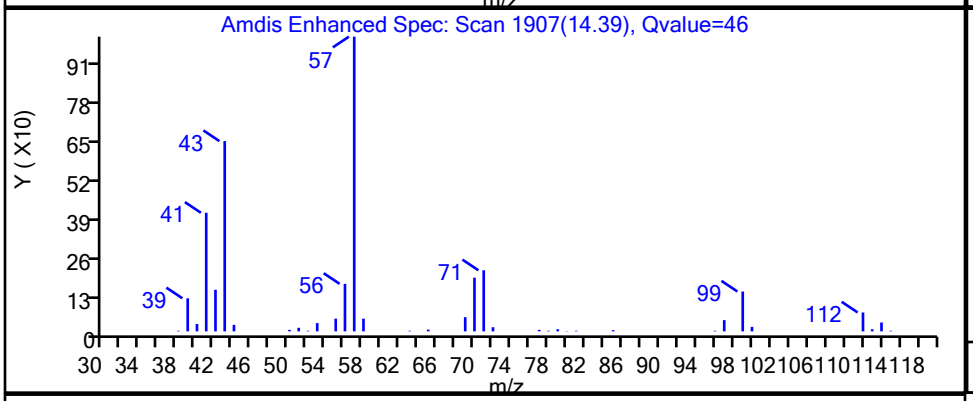
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

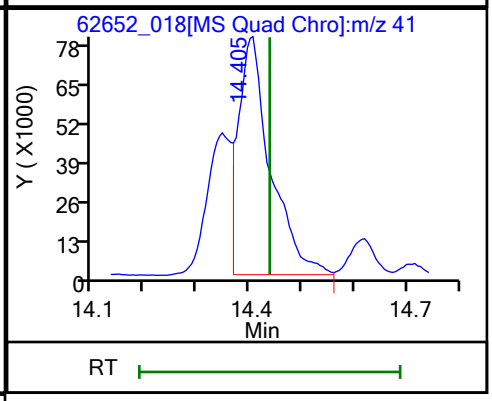
53 1,2-Dichloropropane, CAS: 78-87-5

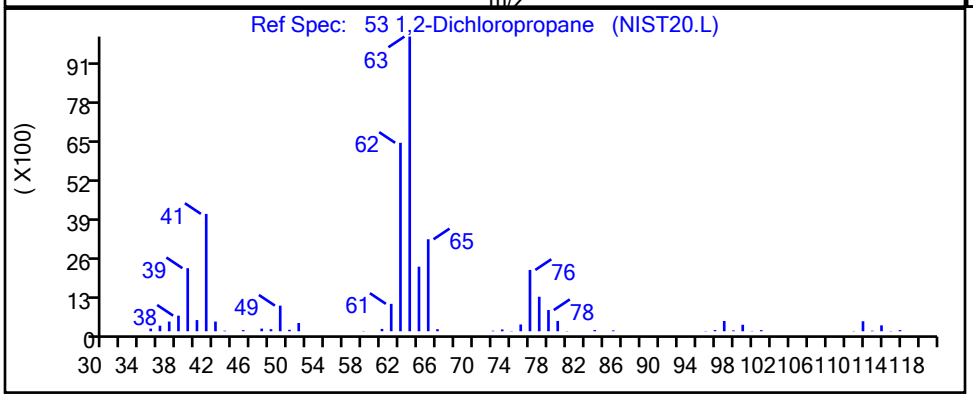
Processing Results











RT	Mass	Response	Amount
14.39	63.00	4768	0.089233
14.41	41.00	343515	

Reviewer: YWL8, 27-Oct-2024 21:15:47 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Burlington

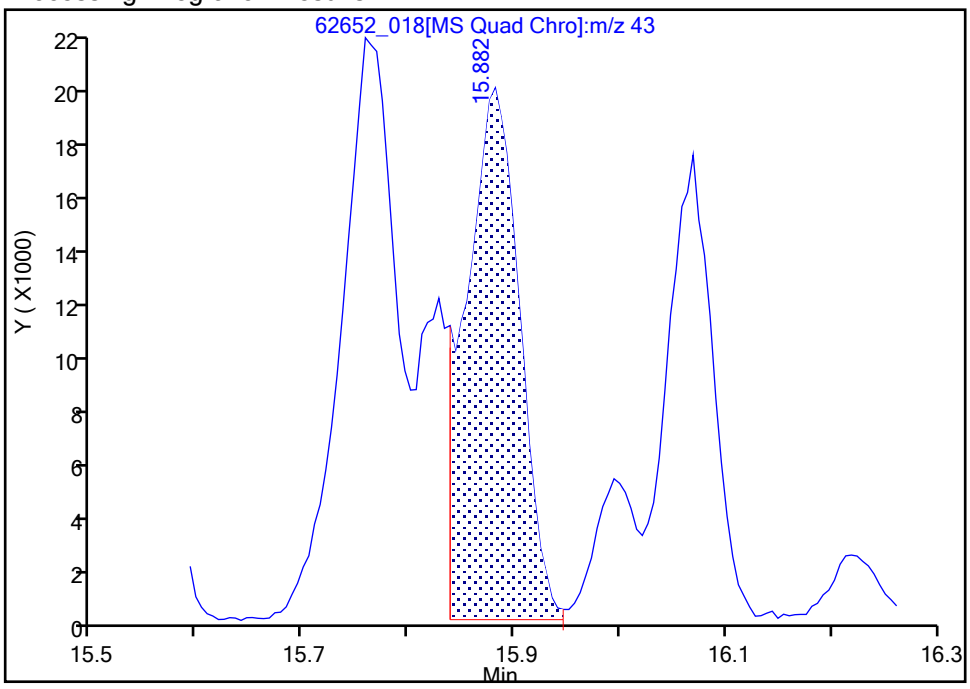
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

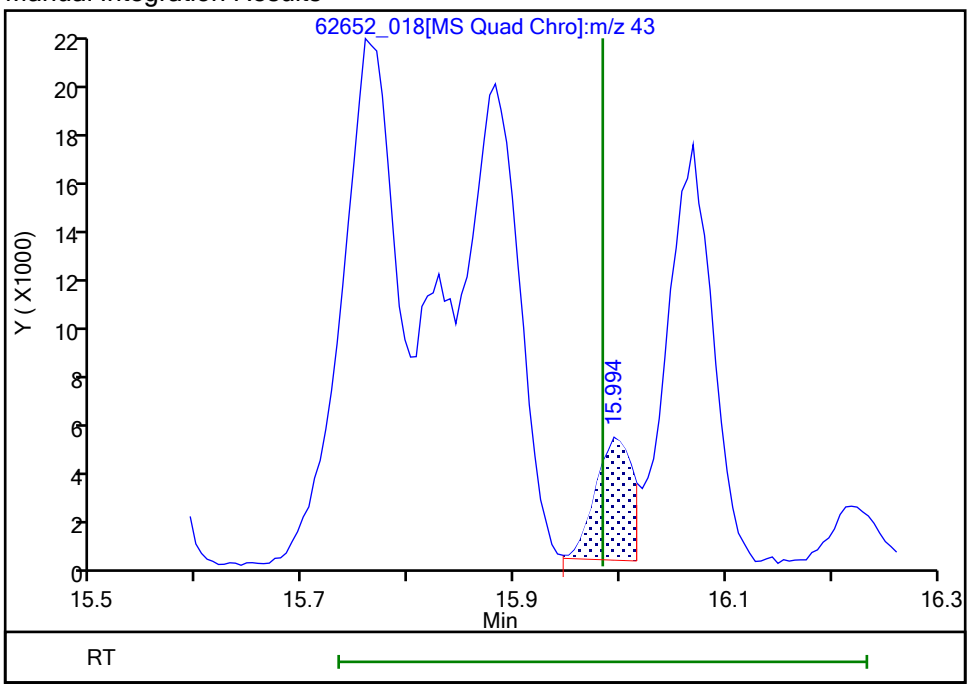
Processing Integration Results

RT: 15.88
Area: 69390
Amount: 0.735612
Amount Units: ppb v/v



Manual Integration Results

RT: 15.99
Area: 12058
Amount: 0.127828
Amount Units: ppb v/v



Reviewer: YWL8, 27-Oct-2024 21:16:01 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

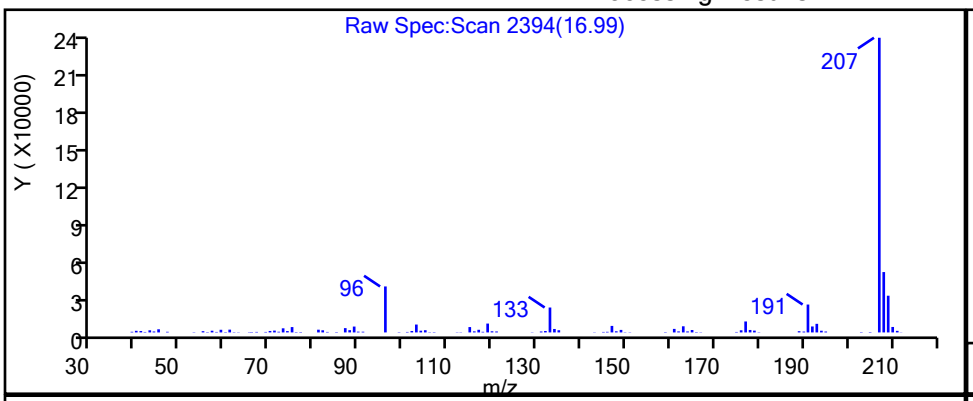
User Disabled Compound Report

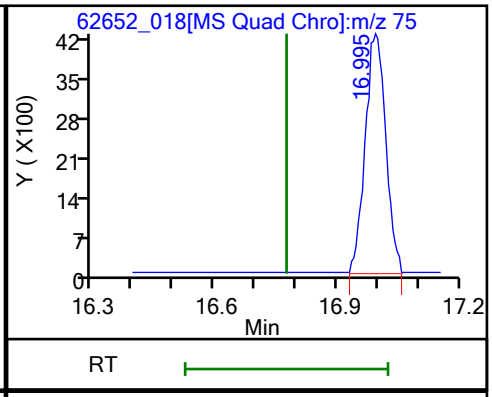
Eurofins Burlington

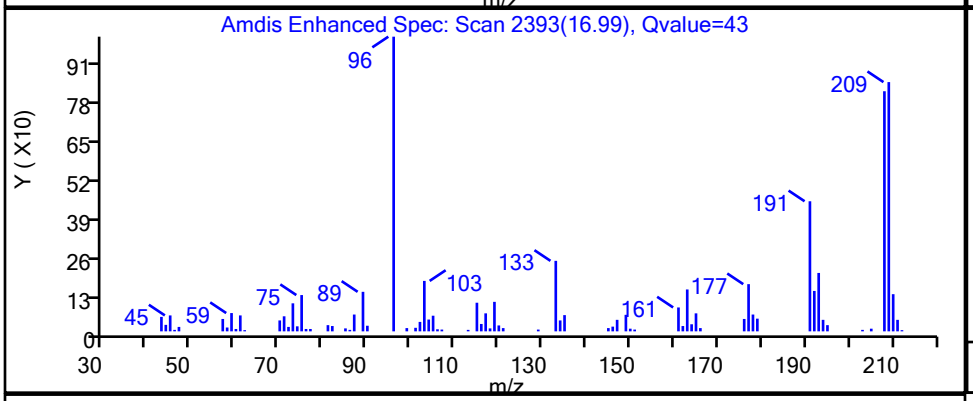
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

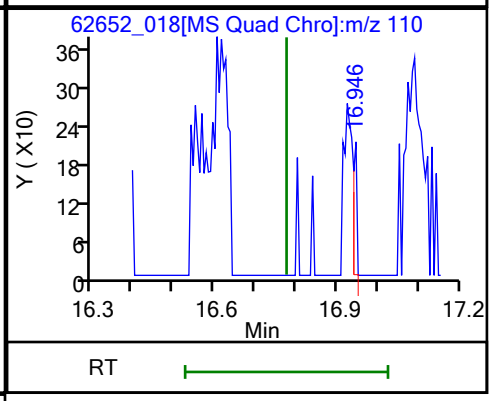
66 trans-1,3-Dichloropropene, CAS: 10061-02-6

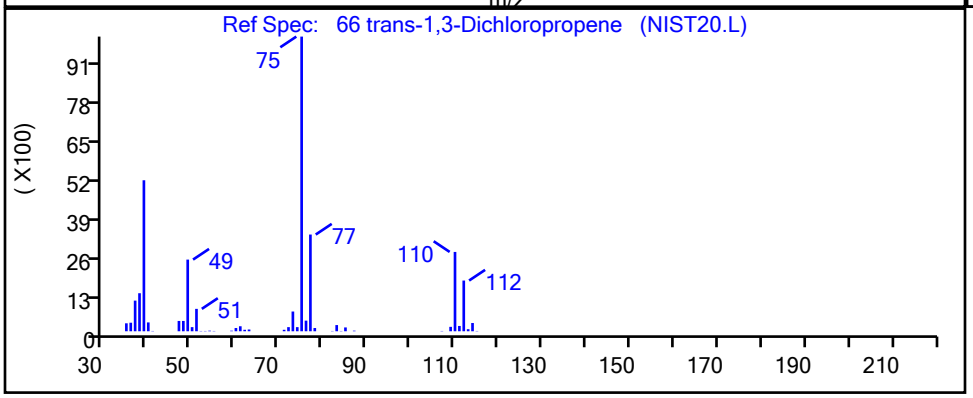
Processing Results











RT	Mass	Response	Amount
16.99	75.00	14804	0.201395
16.95	110.00	121	

Reviewer: YWL8, 27-Oct-2024 21:16:06 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

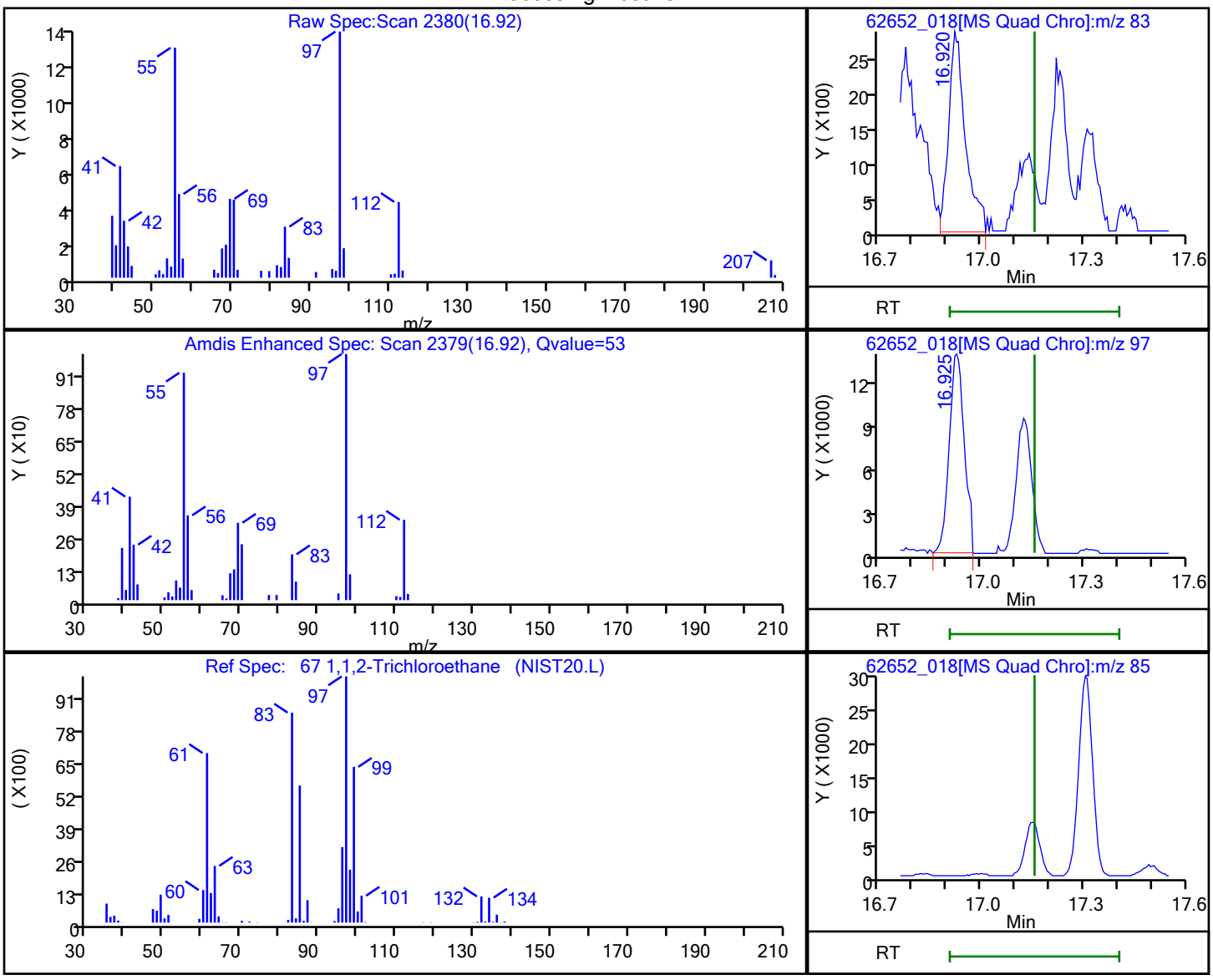
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
16.92	83.00	9597	0.176365
16.92	97.00	42742	
17.16	85.00	0	

Reviewer: YWL8, 27-Oct-2024 21:16:07 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Burlington

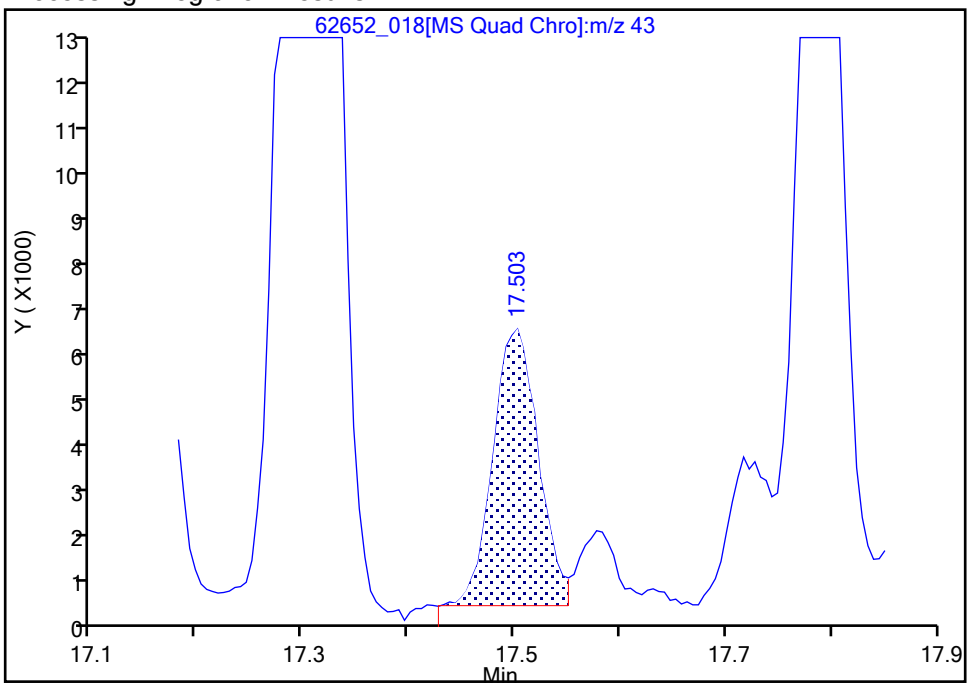
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

69 2-Hexanone, CAS: 591-78-6

Signal: 1

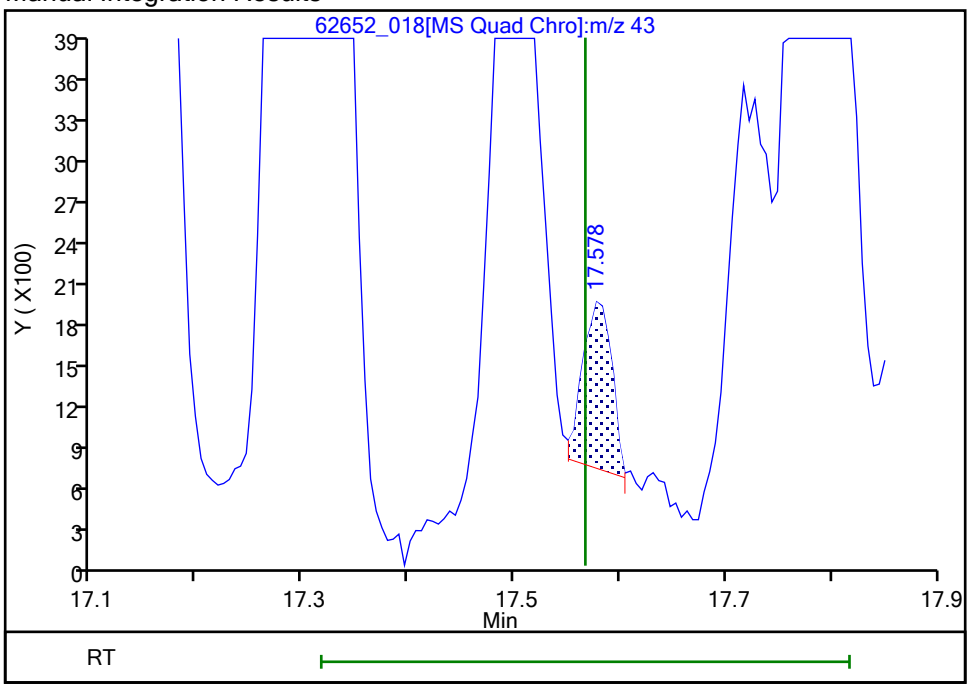
Processing Integration Results

RT: 17.50
Area: 17889
Amount: 0.199219
Amount Units: ppb v/v



Manual Integration Results

RT: 17.58
Area: 2372
Amount: 0.026416
Amount Units: ppb v/v



Reviewer: YWL8, 27-Oct-2024 21:16:18 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

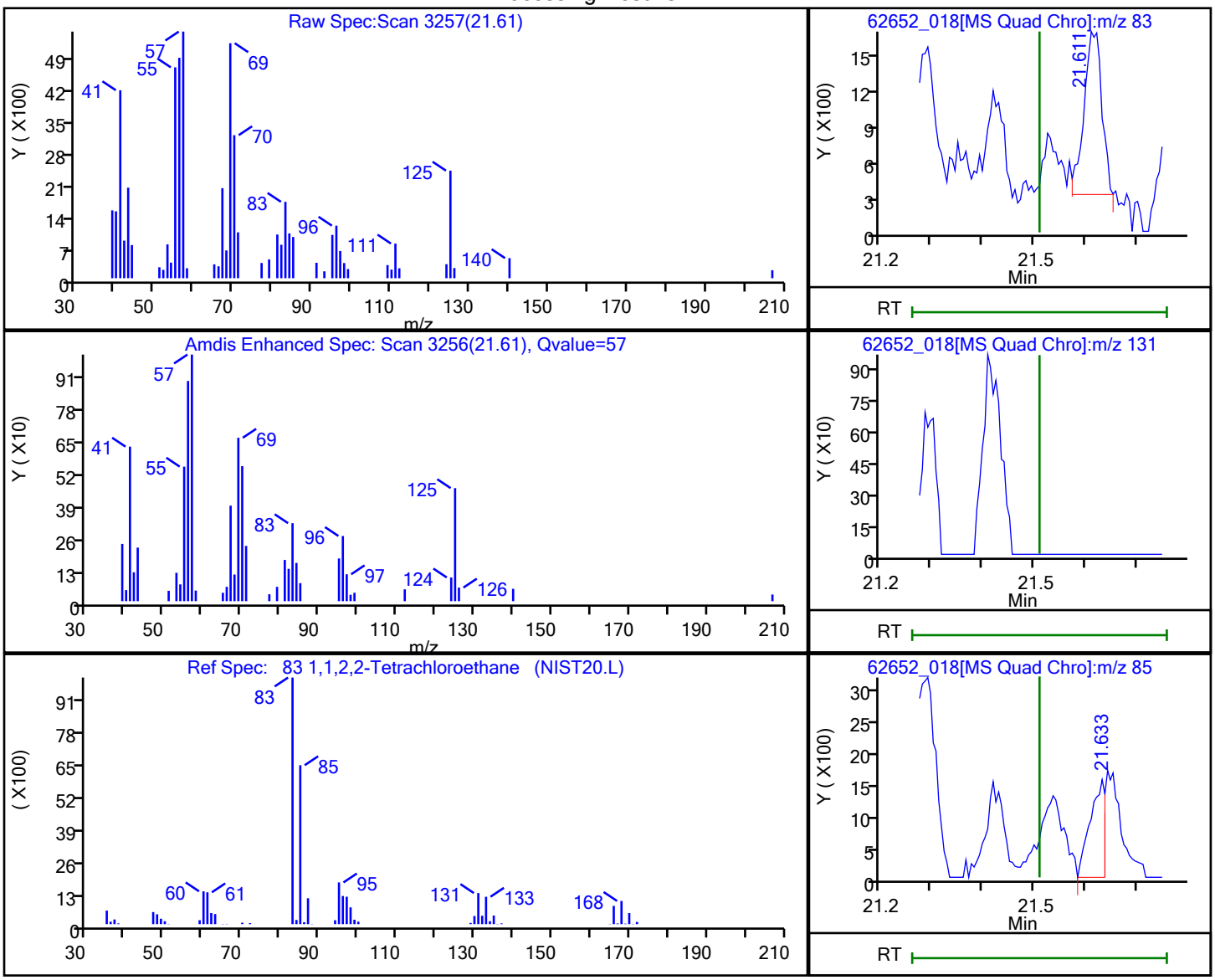
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.61	83.00	3327	0.023319
21.51	131.00	0	
21.63	85.00	3083	

Reviewer: YWL8, 27-Oct-2024 21:16:35 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

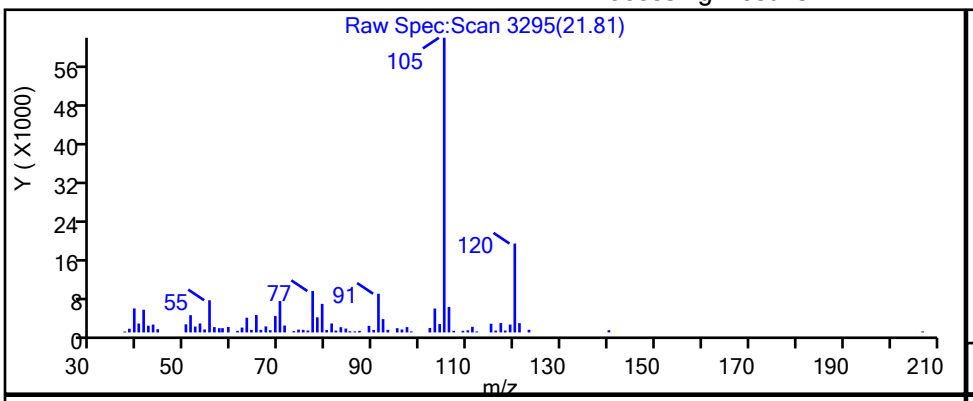
User Disabled Compound Report

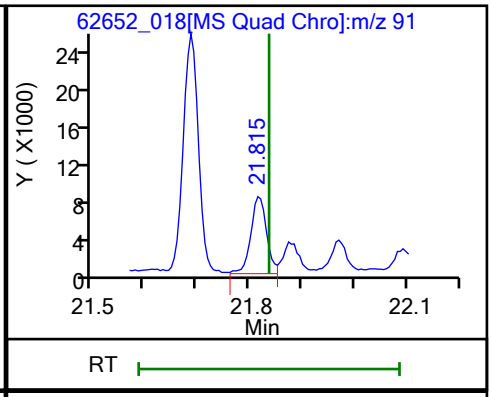
Eurofins Burlington

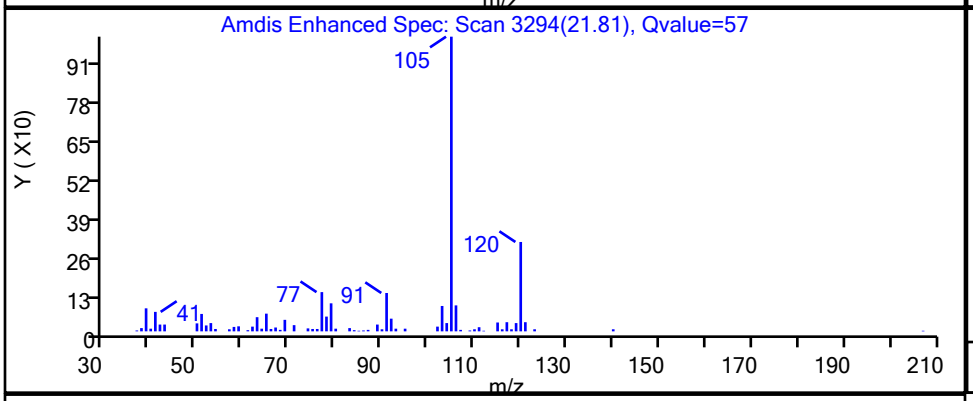
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

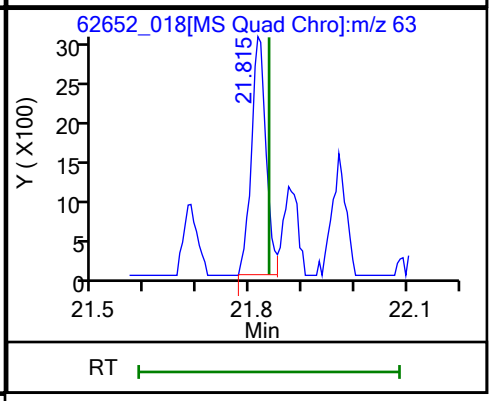
86 2-Chlorotoluene, CAS: 95-49-8

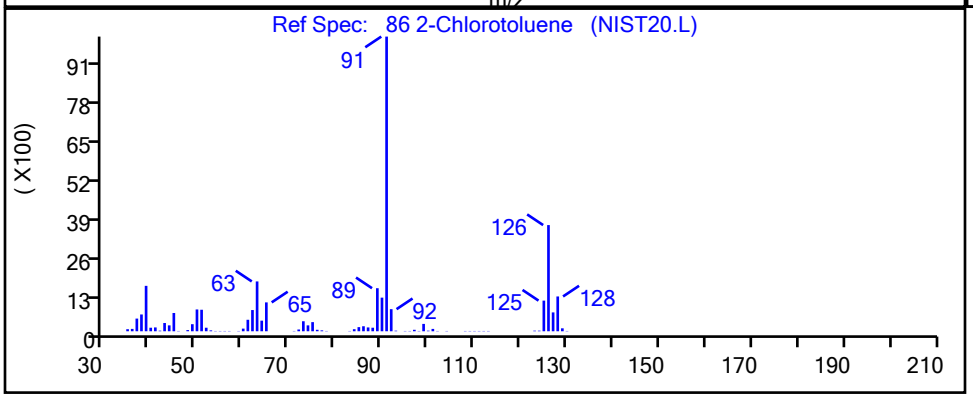
Processing Results











RT	Mass	Response	Amount
21.81	91.00	16481	0.082205
21.81	63.00	5970	

Reviewer: YWL8, 27-Oct-2024 21:16:38 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

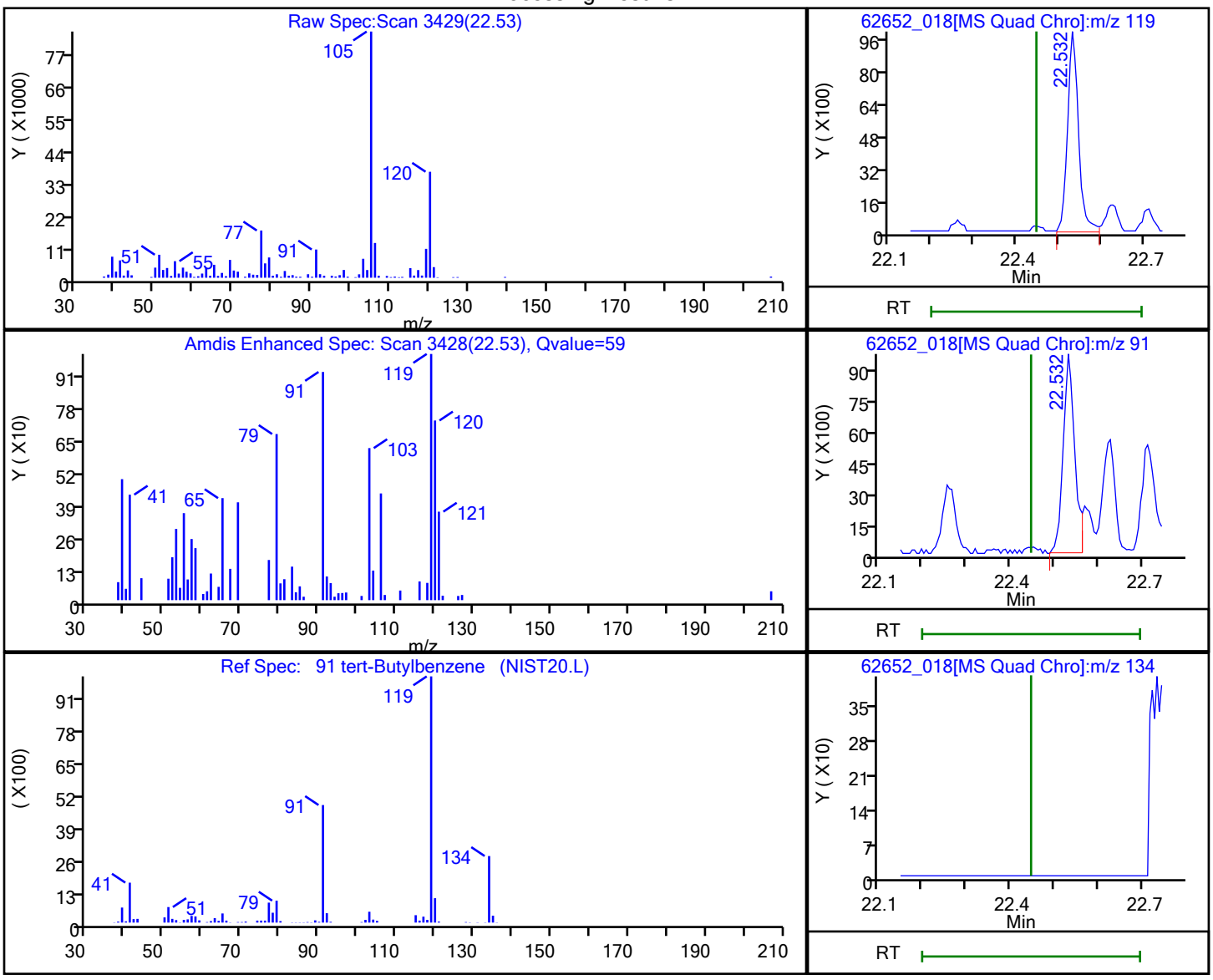
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
22.53	119.00	17860	0.090103
22.53	91.00	17974	
22.45	134.00	0	

Reviewer: YWL8, 27-Oct-2024 21:16:41 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

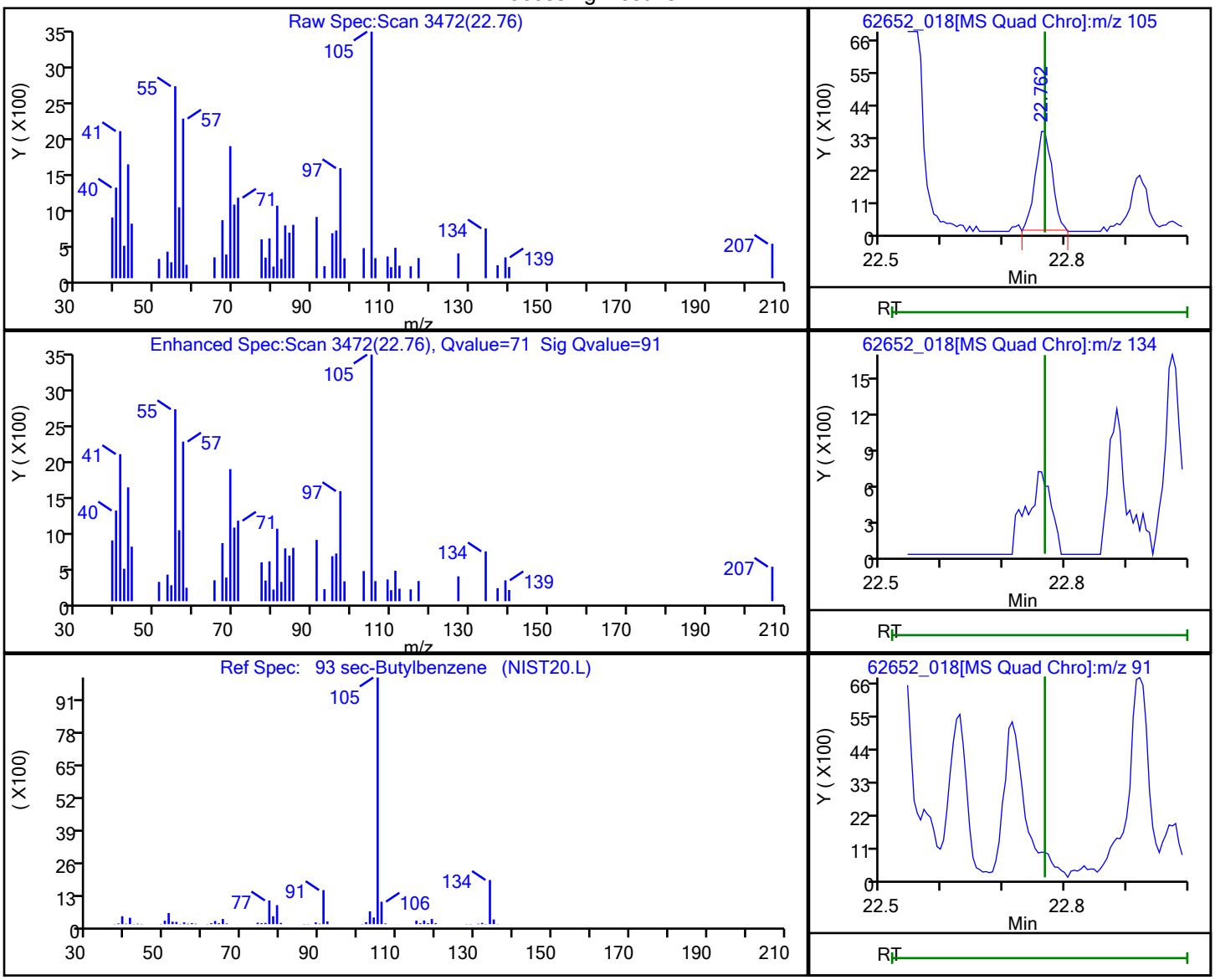
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
22.76	105.00	6625	0.021899
22.77	134.00	0	
22.77	91.00	0	

Reviewer: BKZ7, 28-Oct-2024 07:45:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

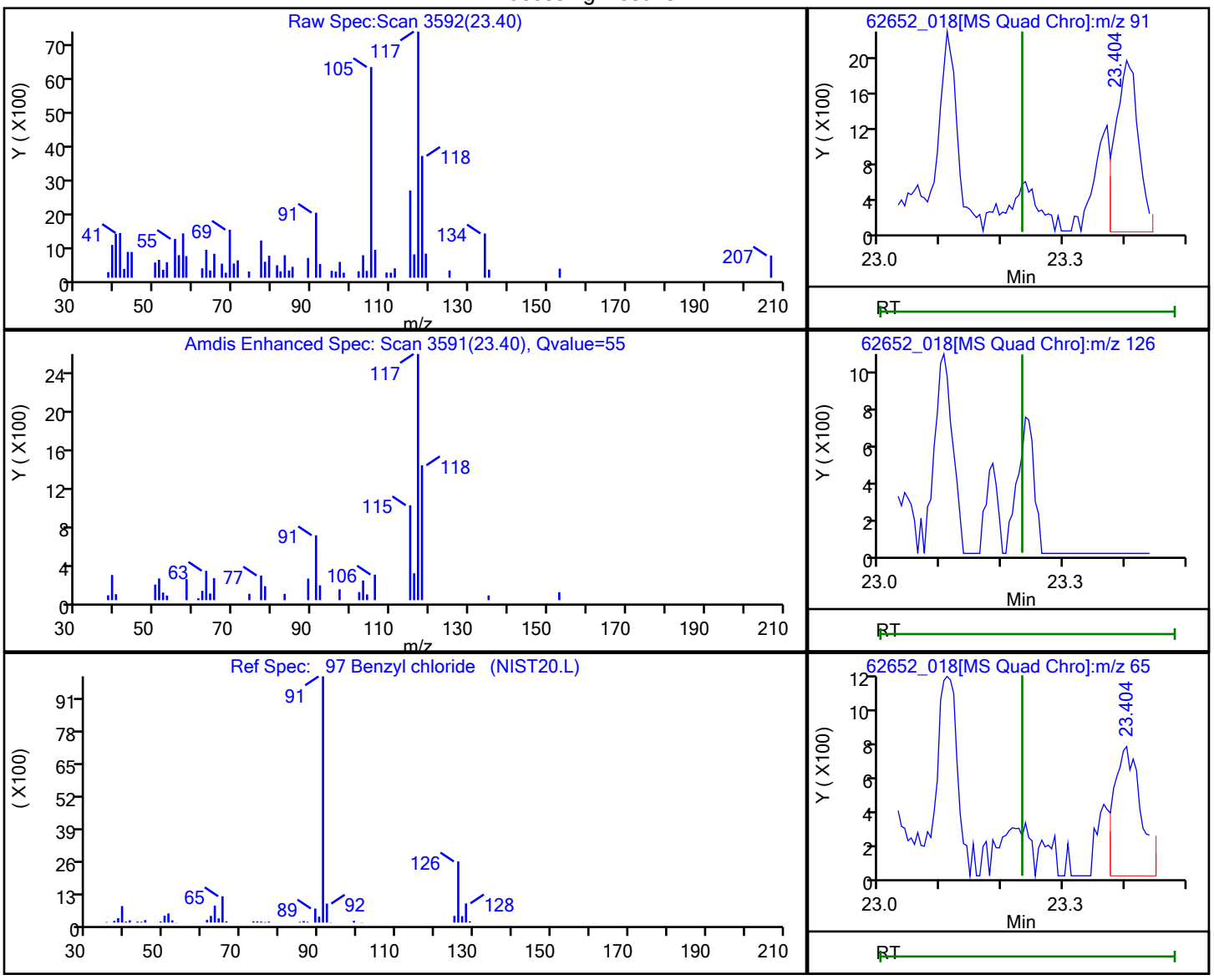
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_018.D				
Injection Date:	25-Oct-2024 21:49:10	Instrument ID:	CHAM.i		
Lims ID:	200-75561-A-2	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.40	91.00	4931	0.025789
23.23	126.00	0	
23.40	65.00	2085	

Reviewer: YWL8, 27-Oct-2024 21:16:57 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-2_10232024 DL Lab Sample ID: 200-75561-2 DL

Matrix: Air Lab File ID: 62676_010.D

Analysis Method: TO-15 Date Collected: 10/23/2024 12:10

Sample wt/vol: 100(mL) Date Analyzed: 10/27/2024 18:57

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	130	D	24	7.6
67-63-0	Isopropyl alcohol	60.10	150	D	25	7.9

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: SV-2_10232024 DL Lab Sample ID: 200-75561-2 DL

Matrix: Air Lab File ID: 62676_010.D

Analysis Method: TO-15 Date Collected: 10/23/2024 12:10

Sample wt/vol: 100(mL) Date Analyzed: 10/27/2024 18:57

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	56	D	10	3.2
67-63-0	Isopropyl alcohol	60.10	60	D	10	3.2

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_010.D
Lims ID: 200-75561-A-2 DL
Client ID: SV-2_10232024
Sample Type: Client
Inject. Date: 27-Oct-2024 18:57:46 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0062676-010
Misc. Info.: 75561-2 dl
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 11:01:03 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: YWL8 Date: 28-Oct-2024 09:07:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.449	4.454	-0.005	99	72449	0.3630	
3 Chlorodifluoromethane	51	4.498	4.503	-0.005	96	26481	0.1889	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.824				ND	
5 Chloromethane	50	4.936	4.941	-0.005	98	15664	0.1911	
6 Vinyl chloride	62		5.235				ND	
7 Butane	43	5.241	5.241	0.000	98	789710	7.18	
8 Butadiene	54	5.354	5.348	0.006	96	15284	0.2748	
9 Bromomethane	94		6.075				ND	
10 Chloroethane	64		6.348				ND	7
13 Vinyl bromide	106		6.771				ND	
14 Trichlorofluoromethane	101	6.942	6.931	0.011	98	21381	0.1223	
20 1,1-Dichloroethene	96		7.991				ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.033				ND	MU
22 Acetone	43	8.060	8.060	0.000	99	3356373	28.2	
23 Isopropyl alcohol	45	8.355	8.349	0.006	100	3661726	30.2	
24 Carbon disulfide	76	8.398	8.392	0.006	95	235924	1.27	
26 3-Chloro-1-propene	41		8.681				ND	MU
27 Methylene Chloride	49	8.911	8.911	0.000	99	18873	0.2206	
28 2-Methyl-2-propanol	59	9.136	9.119	0.017	99	141190	0.9591	
30 trans-1,2-Dichloroethene	61		9.408				ND	
31 Methyl tert-butyl ether	73		9.419				ND	MU
32 Hexane	57	9.933	9.927	0.006	92	54358	0.4942	
33 1,1-Dichloroethane	63		10.173				ND	
36 2-Butanone (MEK)	72	11.142	11.136	0.006	99	26280	0.8008	
37 cis-1,2-Dichloroethene	96		11.168				ND	7
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	636180	10.0	
40 Tetrahydrofuran	42	11.629	11.618	0.011	93	17806	0.2129	
41 Chloroform	83	11.752	11.752	0.000	96	34752	0.2426	
42 1,1,1-Trichloroethane	97	12.062	12.062	0.000	96	14742	0.1020	
43 Cyclohexane	84	12.212	12.206	0.006	96	581372	6.87	
44 Carbon tetrachloride	117	12.346	12.345	0.001	93	4327	0.0312	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.688	12.688	0.000	98	104603	0.5098	
46 1,2-Dichloroethane	62		12.752				ND	
47 Isooctane	57	12.913	12.912	0.001	97	2215951	6.37	
48 n-Heptane	43	13.218	13.217	0.001	94	129871	0.9041	
* 49 1,4-Difluorobenzene	114	13.416	13.415	0.001	97	3167261	10.0	
51 Trichloroethene	95		13.849				ND	
53 1,2-Dichloropropane	63		14.303				ND	MU
54 Methyl methacrylate	69		14.389				ND	MU
55 1,4-Dioxane	88		14.432				ND	7
58 Dichlorobromomethane	83		14.769				ND	
59 cis-1,3-Dichloropropene	75		15.571				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.839	15.828	0.011	88	13287	0.0736	7M
62 Toluene	92	16.214	16.213	0.001	93	380420	2.72	
66 trans-1,3-Dichloropropene	75		16.620				ND	
67 1,1,2-Trichloroethane	83		16.994				ND	
68 Tetrachloroethene	166	17.209	17.208	0.001	93	12951	0.1358	M
69 2-Hexanone	43	17.380	17.406	-0.026	78	26926	0.1544	
70 Chlorodibromomethane	129		17.733				ND	
71 Ethylene Dibromide	107		17.973				ND	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	92	2821108	10.0	
74 Chlorobenzene	112	18.942	18.947	-0.005	84	7848	0.0442	
75 Ethylbenzene	91	19.140	19.140	0.000	99	81534	0.2577	
76 m-Xylene & p-Xylene	106	19.386	19.402	-0.016	0	85981	0.7623	
78 o-Xylene	106	20.172	20.172	0.000	97	39545	0.3578	
79 Styrene	104	20.204	20.204	0.000	98	25167	0.1379	
81 Bromoform	173		20.541				ND	
82 Isopropylbenzene	105		20.857				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.360				ND	MU
85 N-Propylbenzene	91	21.563	21.568	-0.005	98	41654	0.0982	
86 2-Chlorotoluene	91		21.713				ND	MU
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	44543	0.1345	
88 1,3,5-Trimethylbenzene	105	21.852	21.852	0.000	91	46855	0.1648	
91 tert-Butylbenzene	119		22.333				ND	MU
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	95	135640	0.4656	
93 sec-Butylbenzene	105	22.649	22.654	-0.005	44	6375	0.0156	M
94 1,3-Dichlorobenzene	146	22.831	22.826	0.005	55	5248	0.0292	
95 4-Isopropyltoluene	119	22.869	22.868	0.001	97	12201	0.0359	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	86	2603	0.0145	
97 Benzyl chloride	91		23.109				ND	MU
98 n-Butylbenzene	91	23.425	23.425	0.000	89	5713	0.0156	
99 1,2-Dichlorobenzene	146		23.457				ND	
102 1,2,4-Trichlorobenzene	180		25.907				ND	7
103 Hexachlorobutadiene	225		26.158				ND	
104 Naphthalene	128	26.383	26.389	-0.005	98	20509	0.0569	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

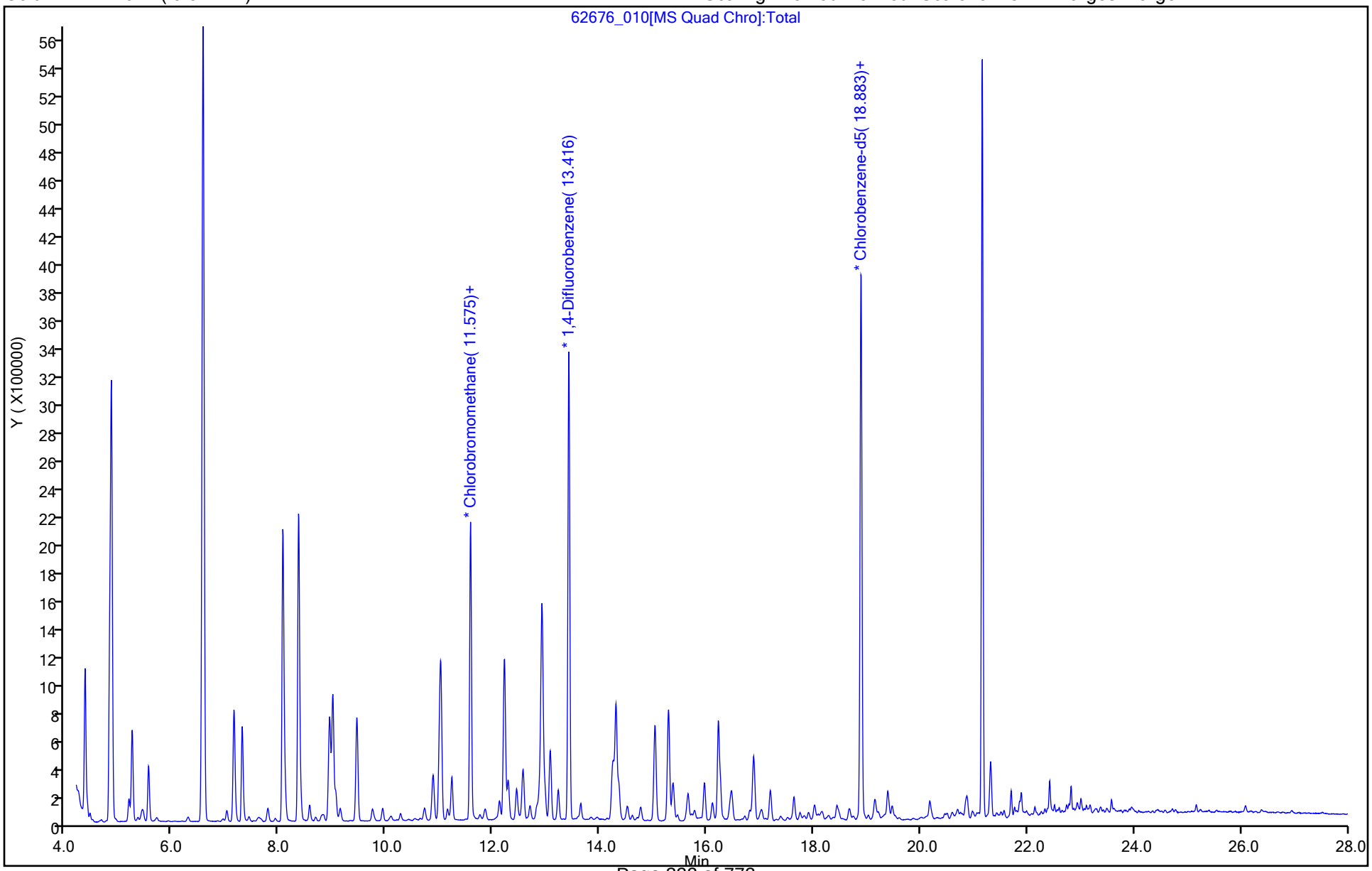
Report Date: 28-Oct-2024 11:01:28 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_010.D

Injection Date:	27-Oct-2024 18:57:46	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	200-75561-A-2 DL	Lab Sample ID:	200-75561-2	Worklist Smp#:	10
Client ID:	SV-2_10232024				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

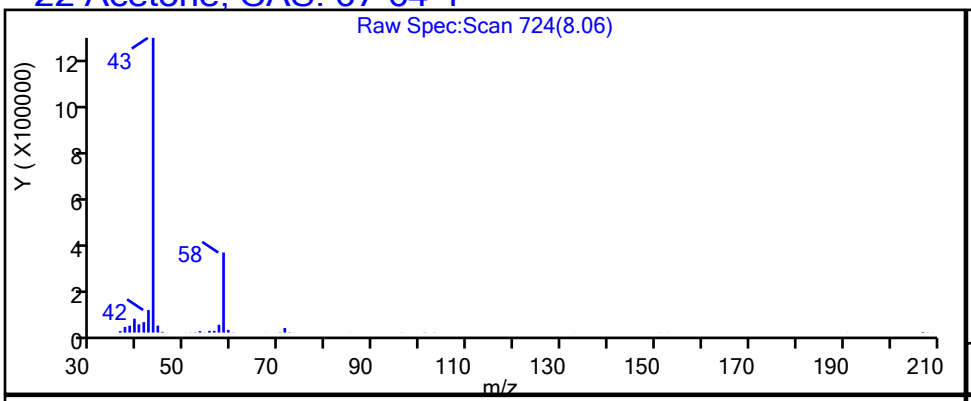


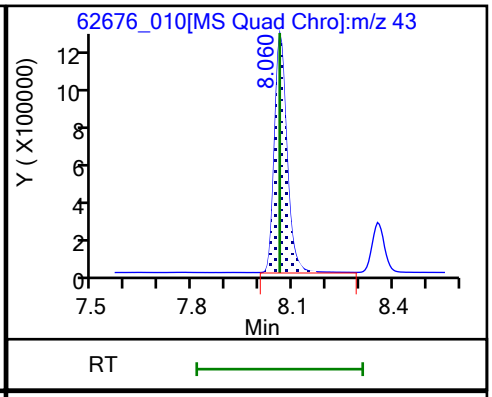
Report Date: 28-Oct-2024 11:01:28 Chrom Revision: 2.3 24-Sep-2024 15:19:46

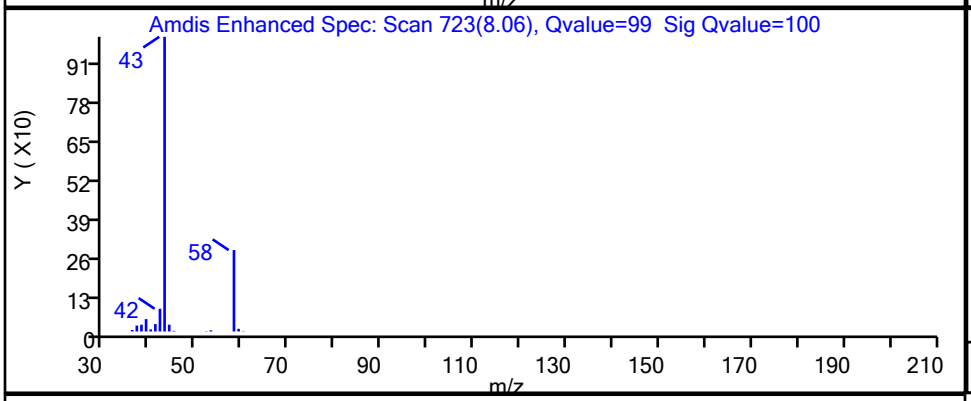
Eurofins Burlington

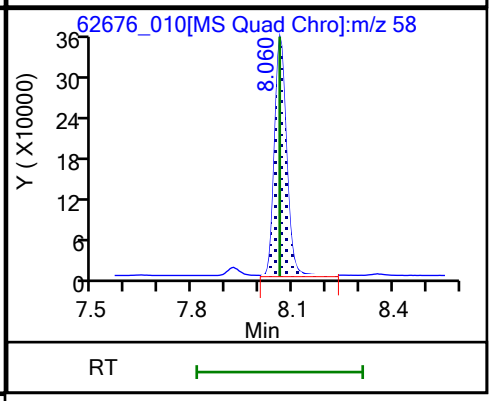
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_010.D				
Injection Date:	27-Oct-2024 18:57:46	Instrument ID:	CHAN.i		
Lims ID:	200-75561-A-2 DL	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

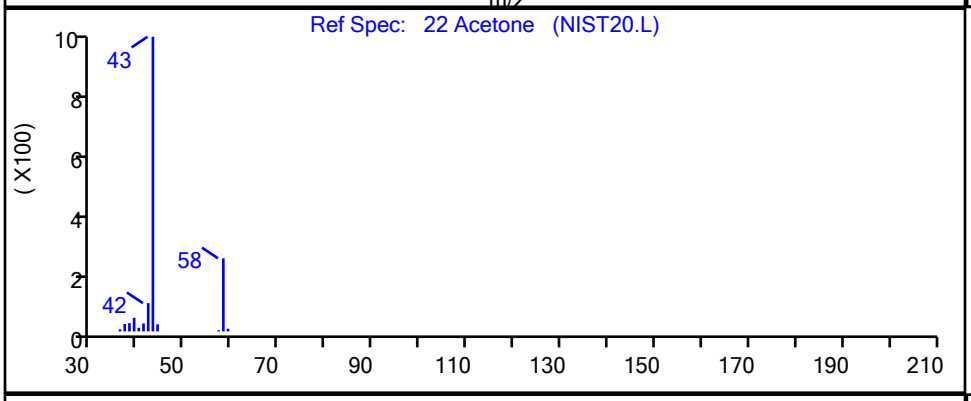
22 Acetone, CAS: 67-64-1

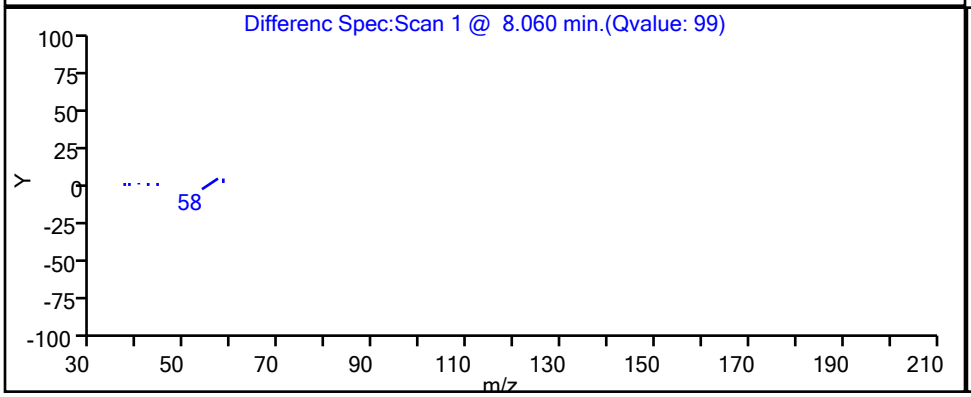


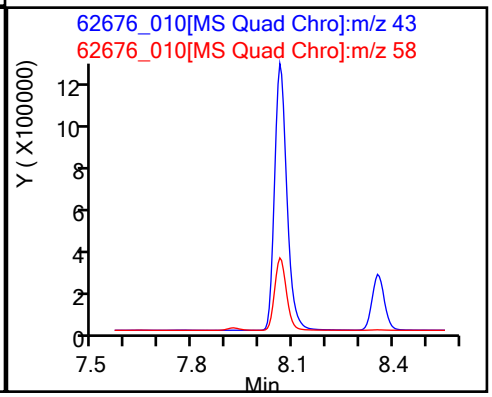












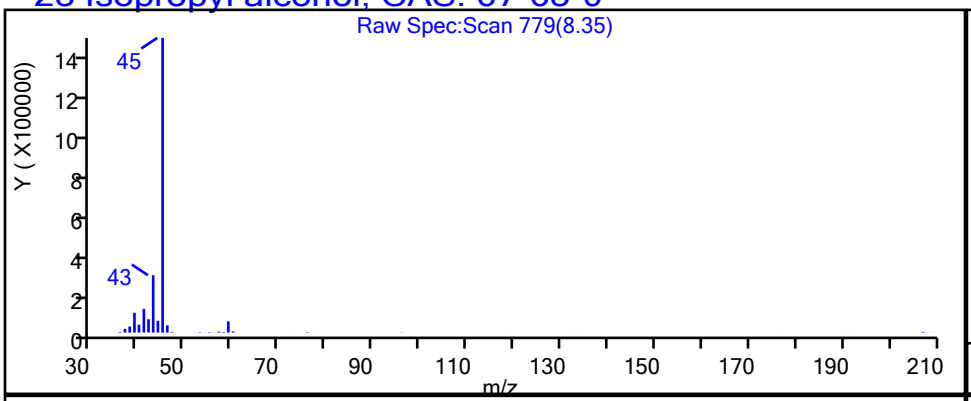
Report Date: 28-Oct-2024 11:01:28 Chrom Revision: 2.3 24-Sep-2024 15:19:46

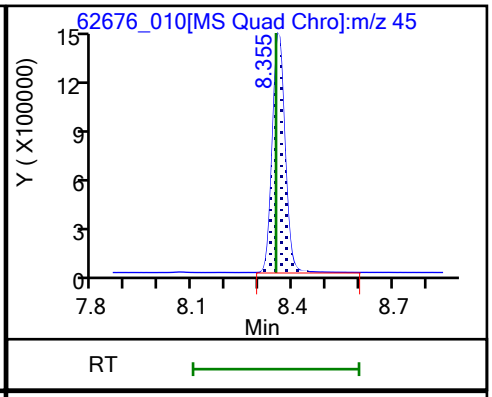
Eurofins Burlington

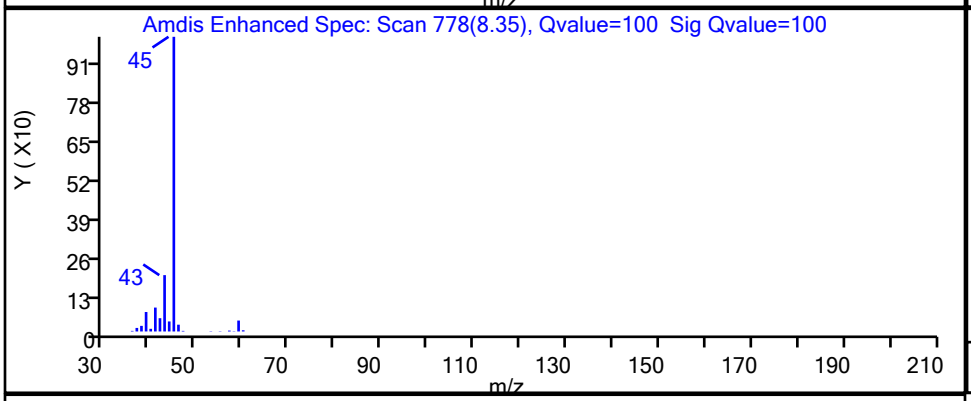
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_010.D

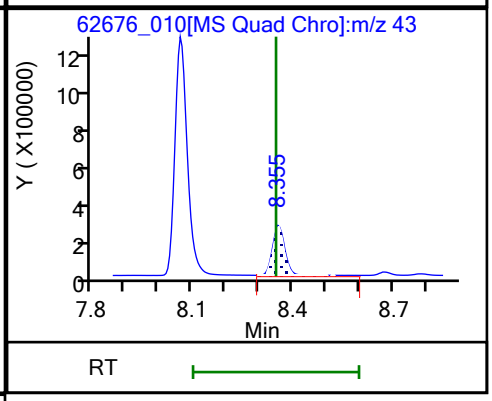
Injection Date:	27-Oct-2024 18:57:46	Instrument ID:	CHAN.i		
Lims ID:	200-75561-A-2 DL	Lab Sample ID:	200-75561-2		
Client ID:	SV-2_10232024				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

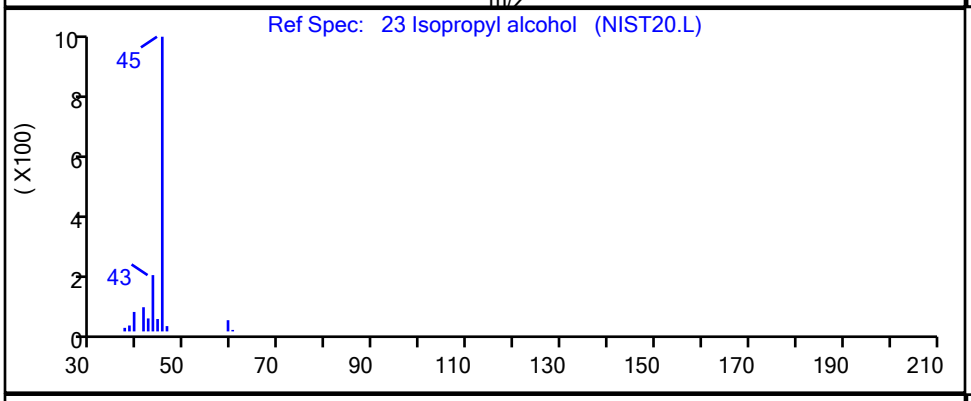
23 Isopropyl alcohol, CAS: 67-63-0

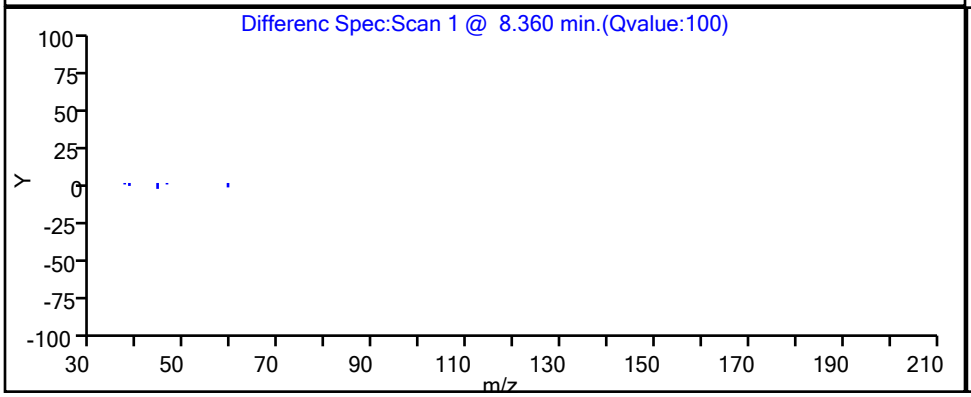


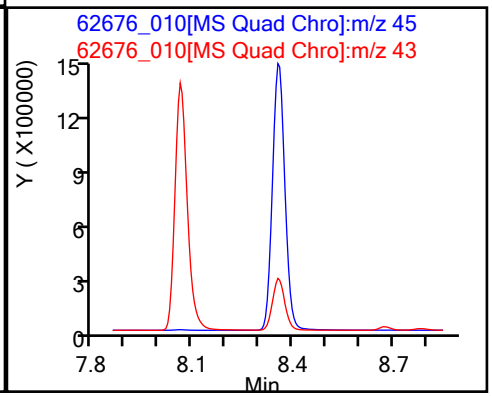












FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-209766/5	62526_005.D
Level 2	IC 200-209766/26	62526_02e6.D
Level 3	IC 200-209766/24	62526_024.D
Level 4	IC 200-209766/9	62526_009.D
Level 5	ICIS 200-209766/10	62526_010.D
Level 6	IC 200-209766/11	62526_011.D
Level 7	IC 200-209766/14	62526_014.D
Level 8	IC 200-209766/16	62526_016.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								
Propylene	+++++ 0.5794	+++++ 0.5620	+++++ 0.5792	0.5582	0.5538	Ave		0.5665				2.1		30.0			
Dichlorodifluoromethane	+++++ 2.8534	+++++ 2.7296	2.3141 2.7765	2.7478	2.7375	Ave		2.6932				7.1		30.0			
Chlorodifluoromethane	+++++ 1.4162	+++++ 1.3751	1.1541 1.3966	1.3459	1.3375	Ave		1.3376				7.1		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.9757	3.3676 2.9129	2.4033 2.9415	2.8462	2.8422	Ave		2.8985				9.8		30.0			
Chloromethane	+++++ 0.7758	+++++ 0.7575	0.6362 0.7704	0.7424	0.7391	Ave		0.7369				7.0		30.0			
n-Butane	+++++ 1.6810	+++++ 1.6617	1.4400 1.5391	1.6935	1.6514	Ave		1.6111				6.2		30.0			
Vinyl chloride	1.4401 1.3297	1.5018 1.3082	1.1045 1.2095	1.3363	1.3007	Ave		1.3163				9.4		30.0			
1,3-Butadiene	1.2516 0.9632	1.1690 0.9551	0.8505 0.8801	0.9741	0.9463	Ave		0.9988				13.9		30.0			
Bromomethane	+++++ 1.1456	1.2786 1.1228	0.9352 1.1278	1.1063	1.0989	Ave		1.1164				9.0		30.0			
Chloroethane	+++++ 0.5830	0.6352 0.5675	0.4676 0.5754	0.5640	0.5568	Ave		0.5642				8.8		30.0			
Isopentane	+++++ 1.0578	1.2501 1.0238	0.8573 1.0617	1.0093	1.0055	Ave		1.0379				11.2		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.2013	1.3011 1.1817	0.9489 1.1934	1.1540	1.1536	Ave		1.1620				9.1		30.0			
Trichlorofluoromethane	+++++ 3.2748	3.6385 3.2216	2.6686 3.2181	3.1706	3.1546	Ave		3.1924				8.9		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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-Pentane	+++++ 1.6929	+++++ 1.6535	1.3789 1.7067	1.6066	1.6149	Ave		1.6089				7.4		30.0			
Ethanol	+++++ 0.2561	0.3847 0.3916	+++++ 0.4007	0.3888	0.3719	Ave		0.3656				14.9		30.0			
Ethyl ether	+++++ 0.8259	0.8862 0.8139	0.6366 0.8384	0.7831	0.7882	Ave		0.7960				9.8		30.0			
Acrolein	+++++ 0.4311	+++++ 0.4237	+++++ 0.4457	0.3975	0.3979	Ave		0.4192				5.0		30.0			
1,1-Dichloroethene	1.4910 1.3626	1.5013 1.3392	1.0883 1.3530	1.3047	1.3031	Ave		1.3429				9.6		30.0			
1,1,2-Trichlorotrifluoroethane	+++++ 2.9399	3.2358 2.9000	2.3836 2.8770	2.8502	2.8365	Ave		2.8604				8.8		30.0			
Acetone	+++++ 1.7135	+++++ 1.6824	+++++ 1.7078	1.6877	1.6788	Ave		1.6941				0.9		30.0			
Isopropyl alcohol	+++++ 1.7435	+++++ 1.6788	+++++ 1.6324	1.6430	1.6775	Ave		1.6750				2.6		30.0			
Carbon disulfide	+++++ 3.9181	+++++ 3.8572	3.0681 3.7581	3.7496	3.7522	Ave		3.6839				8.4		30.0			
Acetonitrile	+++++ 0.8770	+++++ 0.8407	+++++ 0.8551	0.8047	0.8142	Ave		0.8383				3.5		30.0			
3-Chloropropene	+++++ 1.4562	1.7866 1.4215	1.2179 1.4129	1.3806	1.3887	Ave		1.4378				11.9		30.0			
Methylene Chloride	+++++ 1.4490	+++++ 1.4248	1.1875 1.3824	1.3994	1.3922	Ave		1.3726				6.8		30.0			
tert-Butyl alcohol	+++++ 2.5903	+++++ 2.5179	+++++ 2.3215	2.4316	2.4919	Ave		2.4706				4.1		30.0			
Acrylonitrile	+++++ 0.9321	+++++ 0.9340	0.6771 0.9164	0.8690	0.8969	Ave		0.8709				11.3		30.0			
trans-1,2-Dichloroethene	2.0137 1.9639	2.1960 1.9462	1.5527 1.8506	1.8854	1.8907	Ave		1.9124				9.5		30.0			
Methyl tert-butyl ether	+++++ 3.8517	4.0170 3.8045	2.8881 3.6335	3.6367	3.7021	Ave		3.6477				9.9		30.0			
n-Hexane	+++++ 2.0159	2.3030 1.9878	1.5884 1.9211	1.9260	1.9403	Ave		1.9546				10.7		30.0			
1,1-Dichloroethane	2.5453 2.4989	2.7426 2.4671	1.9905 2.3343	2.4093	2.4234	Ave		2.4264				8.8		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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								
Vinyl acetate	+++++ 2.8327	+++++ 2.8562	+++++ 2.7485	2.5697	2.6595	Ave		2.7333				4.4		30.0			
Methyl Ethyl Ketone (2-Butanone)	+++++ 0.7113	+++++ 0.7082	0.5080 0.6962	0.6648	0.6826	Ave		0.6619				11.7		30.0			
cis-1,2-Dichloroethene	1.7201 1.5622	1.7242 1.5501	1.2629 1.5024	1.4998	1.5039	Ave		1.5407				9.4		30.0			
Ethyl acetate	+++++ 0.1286	+++++ 0.1271	+++++ 0.1259	0.1160	0.1225	Ave		0.1240				4.0		30.0			
Tetrahydrofuran	+++++ 0.2951	+++++ 0.2925	+++++ 0.2876	0.2736	0.2819	Ave		0.2862				3.0		30.0			
Chloroform	+++++ 3.0373	3.3921 3.0019	2.4419 2.8725	2.9574	2.9400	Ave		2.9490				9.5		30.0			
1,1,1-Trichloroethane	+++++ 0.6542	0.6835 0.6483	0.5003 0.6336	0.6213	0.6254	Ave		0.6238				9.4		30.0			
Cyclohexane	+++++ 0.4029	0.4200 0.3998	0.3098 0.3942	0.3813	0.3870	Ave		0.3850				9.2		30.0			
Carbon tetrachloride	0.5786 0.6775	0.6684 0.6730	0.4954 0.6625	0.6392	0.6408	Ave		0.6294				10.0		30.0			
Benzene	+++++ 0.9302	1.0536 0.9201	0.7341 0.8868	0.8948	0.8952	Ave		0.9021				10.4		30.0			
1,2-Dichloroethane	+++++ 0.4069	0.4546 0.4056	0.3261 0.3925	0.3921	0.3905	Ave		0.3955				9.6		30.0			
2,2,4-Trimethylpentane	+++++ 1.3936	1.4892 1.3749	1.0703 1.3146	1.3227	1.3375	Ave		1.3290				9.7		30.0			
n-Heptane	+++++ 0.4767	0.5342 0.4736	0.3612 0.4621	0.4472	0.4565	Ave		0.4588				11.2		30.0			
n-Butanol	+++++ 0.2004	+++++ 0.1959	+++++ 0.1887	0.1819	0.1906	Ave		0.1915				3.7		30.0			
Trichloroethene	0.4537 0.4355	0.4773 0.4348	0.3373 0.4255	0.4125	0.4162	Ave		0.4241				9.6		30.0			
1,2-Dichloropropane	+++++ 0.3479	0.3621 0.3469	0.2668 0.3381	0.3279	0.3334	Ave		0.3319				9.3		30.0			
Methyl methacrylate	+++++ 0.3437	+++++ 0.3440	0.2201 0.3390	0.3106	0.3258	Ave		0.3139				15.2		30.0			
1,4-Dioxane	+++++ 0.1880	0.2313 0.1800	0.1511 0.1732	0.1860	0.1844	Ave		0.1849				13.0		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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								
Dibromomethane	+++++ 0.4013	0.4681 0.4014	0.3067 0.3917	0.3827	0.3872	Ave		0.3913				12.1		30.0			
Bromodichloromethane	+++++ 0.7123	0.7106 0.7098	0.5205 0.6892	0.6675	0.6788	Ave		0.6698				10.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.6134	0.5822 0.6126	0.4095 0.6018	0.5658	0.5828	Ave		0.5669				12.6		30.0			
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ 0.6420	+++++ 0.6368	0.4181 0.6166	0.5895	0.6122	Ave		0.5859				14.4		30.0			
Toluene	+++++ 0.7379	0.8091 0.7342	0.5594 0.7055	0.7027	0.7101	Ave		0.7084				10.6		30.0			
n-Octane	+++++ 0.6660	0.7128 0.6636	0.4930 0.6313	0.6295	0.6417	Ave		0.6340				10.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.4946	0.4651 0.4980	0.3315 0.4876	0.4508	0.4682	Ave		0.4565				12.7		30.0			
1,1,2-Trichloroethane	+++++ 0.3859	0.4223 0.3847	0.2949 0.3785	0.3645	0.3677	Ave		0.3712				10.4		30.0			
Tetrachloroethene	0.6477 0.6004	0.6649 0.5966	0.4764 0.5881	0.5754	0.5720	Ave		0.5902				9.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.6814	+++++ 0.6781	0.3956 0.6606	0.6178	0.6420	Ave		0.6126				17.8		30.0			
Dibromochloromethane	+++++ 0.7818	0.7243 0.7832	0.5211 0.7694	0.7161	0.7253	Ave		0.7173				12.7		30.0			
1,2-Dibromoethane	+++++ 0.7156	0.7681 0.7155	0.5297 0.6950	0.6762	0.6831	Ave		0.6833				10.9		30.0			
Chlorobenzene	+++++ 0.9961	1.1909 0.9918	0.7942 0.9505	0.9578	0.9577	Ave		0.9770				11.9		30.0			
Ethylbenzene	+++++ 1.6350	1.8036 1.6141	1.2571 1.5021	1.5761	1.5748	Ave		1.5661				10.5		30.0			
m,p-Xylene	+++++ 0.6271	0.6771 0.6258	0.4679 0.5879	0.5974	0.6029	Ave		0.5980				10.8		30.0			
n-Nonane	+++++ 0.7528	0.8038 0.7503	0.5671 0.7111	0.7273	0.7295	Ave		0.7203				10.2		30.0			
o-Xylene	+++++ 0.6050	0.6361 0.6052	0.4403 0.5809	0.5717	0.5831	Ave		0.5746				11.0		30.0			
Styrene	+++++ 1.0133	1.0135 1.0126	0.6735 0.9638	0.9422	0.9744	Ave		0.9419				12.9		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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								
Bromoform	+++++ 0.6807	0.6086 0.6839	0.4124 0.6817	0.5956	0.5844	Ave		0.6068				15.8		30.0			
Cumene	+++++ 1.7889	1.8877 1.7736	1.3481 1.6098	1.7435	1.7420	Ave		1.6991				10.3		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.0103	1.1369 1.0068	0.7559 0.9520	0.9763	0.9750	Ave		0.9733				11.6		30.0			
1,2,3-Trichloropropane	+++++ 0.7657	+++++ 0.7632	0.6136 0.7348	0.7379	0.7365	Ave		0.7253				7.8		30.0			
n-Propylbenzene	+++++ 2.1804	2.4219 2.1423	1.6712 1.8826	2.1415	2.1391	Ave		2.0827				11.5		30.0			
2-Chlorotoluene	+++++ 1.3925	1.6575 1.4207	1.0840 1.3109	1.3577	1.3507	Ave		1.3677				12.4		30.0			
4-Ethyltoluene	+++++ 1.7718	1.8924 1.7447	1.3127 1.5629	1.7179	1.7199	Ave		1.6746				11.1		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5013	1.5875 1.4781	1.1267 1.3290	1.4509	1.4569	Ave		1.4186				10.6		30.0			
n-Decane	+++++ 0.9719	+++++ 0.9660	0.7089 0.8827	0.9425	0.9492	Ave		0.9035				11.1		30.0			
Alpha Methyl Styrene	+++++ 0.8106	0.7260 0.8128	0.4860 0.7713	0.7398	0.7766	Ave		0.7319				15.5		30.0			
tert-Butylbenzene	+++++ 1.4240	1.5269 1.4002	1.0682 1.2842	1.3824	1.3797	Ave		1.3522				10.7		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5047	1.6051 1.4910	1.1109 1.3549	1.4654	1.4764	Ave		1.4298				11.1		30.0			
sec-Butylbenzene	+++++ 2.1846	2.3293 2.1287	1.6708 1.8317	2.1570	2.1443	Ave		2.0638				11.1		30.0			
1,3-Dichlorobenzene	+++++ 1.0557	1.2574 1.0611	0.7851 0.9777	1.0028	1.0163	Ave		1.0223				13.6		30.0			
4-Isopropyltoluene	+++++ 1.8517	1.8280 1.8082	1.3529 1.5744	1.7940	1.8051	Ave		1.7163				10.8		30.0			
1,4-Dichlorobenzene	+++++ 1.0568	1.3037 1.0627	0.7929 0.9842	1.0047	1.0232	Ave		1.0326				14.6		30.0			
Benzyl chloride	+++++ 1.4848	1.2650 1.4674	0.7936 1.3633	1.3464	1.4102	Ave		1.3044				18.2		30.0			
n-Butylbenzene	+++++ 1.8400	1.8427 1.8131	1.2887 1.5778	1.7748	1.8142	Ave		1.7073				12.1		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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-Dichlorobenzene	+++++ 1.0237	1.2396 1.0201	0.7689 0.9428	0.9722	0.9843	Ave		0.9931				14.0		30.0			
n-Undecane	+++++ 1.1078	+++++ 1.1027	+++++ 1.0151	0.9749	1.0831	Ave		1.0567				5.6		30.0			
n-Dodecane	+++++ 1.1214	+++++ 1.1390	+++++ 1.0275	0.5976	1.0864	Ave		0.9944				22.7		30.0			
1,2,4-Trichlorobenzene	+++++ 0.8014	0.9190 0.8320	0.4094 0.7967	0.5703	0.7670	Ave		0.7280				24.1		30.0			
Hexachlorobutadiene	+++++ 0.7072	0.7271 0.7110	0.4901 0.6859	0.6313	0.6731	Ave		0.6608				12.3		30.0			
Naphthalene	+++++ 1.7852	1.9808 1.8433	0.6339 1.6710	0.9592	1.7172	Ave		1.5130				33.6	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.7729	0.9444 0.7915	0.3856 0.7654	0.5211	0.7291	Ave		0.7014				26.6		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75561-1 | Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 | Calibration End Date: 10/17/2024 10:36 | Calibration ID: 53721

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-209766/5	62526_005.D
Level 2	IC 200-209766/26	62526_02e6.D
Level 3	IC 200-209766/24	62526_024.D
Level 4	IC 200-209766/9	62526_009.D
Level 5	ICIS 200-209766/10	62526_010.D
Level 6	IC 200-209766/11	62526_011.D
Level 7	IC 200-209766/14	62526_014.D
Level 8	IC 200-209766/16	62526_016.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Propylene	BCM	Ave	+++++ 356176	+++++ 462423	+++++ 1001035	94697	225432	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1754191	+++++ 2246001	44493 4798345	466156	1114268	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
Chlorodifluoromethane	BCM	Ave	+++++ 870661	+++++ 1131470	22189 2413553	228321	544435	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1829360	22155 2396856	46207 5083602	482847	1156904	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Chloromethane	BCM	Ave	+++++ 476912	+++++ 623305	12232 1331462	125942	300831	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
n-Butane	BCM	Ave	+++++ 1033419	+++++ 1367285	27687 2659936	287294	672168	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	2124 817429	9880 1076423	21235 2090233	226694	529435	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	1846 592152	7691 785900	16353 1521045	165259	385200	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Bromomethane	BCM	Ave	+++++ 704279	8412 923851	17981 1949001	187672	447297	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Chloroethane	BCM	Ave	+++++ 358412	4179 466957	8990 994366	95684	226652	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Isopentane	BCM	Ave	+++++ 650301	8224 842412	16483 1834847	171221	409278	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 738547	8560 972325	18245 2062440	195775	469548	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2013230	23937 2650801	51308 5561589	537877	1284059	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
n-Pentane	BCM	Ave	+++++ 1040761	+++++ 1360578	26512 2949512	272559	657332	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
Ethanol	BCM	Ave	+++++ 314936	25340 644551	+++++ 1385320	132007	227179	+++++ 30.0	1.70 40.0	+++++ 80.0	8.49	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75561-1 | Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 | Calibration End Date: 10/17/2024 10:36 | Calibration ID: 53721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Ethyl ether	BCM	Ave	+++++ 507714	5830 669738	12240 1448860	132857	320812	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Acrolein	BCM	Ave	+++++ 310351	+++++ 408218	+++++ 901933	78961	189673	+++++ 17.6	+++++ 23.4	+++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	2199 837656	9877 1101926	20924 2338221	221344	530409	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,1,2-Trichlorotrifluoroethane	BCM	Ave	+++++ 1807358	21288 2386173	45829 4972122	483523	1154550	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Acetone	BCM	Ave	+++++ 1053436	+++++ 1384370	+++++ 2951400	286308	683356	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1242246	+++++ 1600980	+++++ 3269605	323044	791397	+++++ 17.4	+++++ 23.2	+++++ 46.4	4.92	11.6
Carbon disulfide	BCM	Ave	+++++ 2408728	+++++ 3173820	58989 6494736	636100	1527273	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
Acetonitrile	BCM	Ave	+++++ 539139	+++++ 691788	+++++ 1477709	136514	331427	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	+++++ 895208	11754 1169668	23417 2441821	234204	565238	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	+++++ 890829	+++++ 1172392	22832 2389101	237404	566660	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1592464	+++++ 2071788	+++++ 4012083	412502	1014294	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	+++++ 573046	+++++ 768548	13019 1583665	147421	365053	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	2970 1207355	14447 1601386	29854 3198174	319855	769572	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2367921	26427 3130495	55529 6279392	616955	1506887	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
n-Hexane	BCM	Ave	+++++ 1239338	15151 1635635	30540 3320060	326729	789775	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	3754 1536271	18043 2029971	38270 4034162	408724	986430	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	+++++ 1983552	+++++ 2676891	+++++ 5410224	496525	1232999	+++++ 17.1	+++++ 22.8	+++++ 45.6	4.83	11.4
Methyl Ethyl Ketone (2-Butanone)	BCM	Ave	+++++ 437262	+++++ 582755	9768 1203175	112786	277862	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	2537 960410	11343 1275444	24281 2596447	254430	612158	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	+++++ 79043	+++++ 104606	+++++ 217650	19682	49871	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	218568	535559	+++++	+++++	+++++	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			841849	1113405	2269261			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++ 1867213	22316 2470069	46949 4964269	501703	1196700	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 1866023	21214 2467931	45526 4999861	496319	1188048	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	+++++ 1149311	13037 1522032	28194 3110204	304600	735195	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	4027 1932640	20745 2561681	45075 5227640	510601	1217234	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Benzene	DFBZ	Ave	+++++ 2653361	32703 3502504	66801 6997870	714730	1700453	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 1160734	14109 1543798	29673 3097280	313198	741755	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 3975196	46222 5233775	97394 10372991	1056596	2540665	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	+++++ 1359626	16580 1802736	32864 3646294	357205	867134	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	+++++ 571608	+++++ 745569	+++++ 1488669	145311	362104	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	3158 1242144	14814 1655162	30691 3357856	329464	790632	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 992449	11238 1320515	24277 2667780	261940	633265	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 980434	+++++ 1309385	20029 2674855	248093	618919	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 536281	7178 685185	13752 1366851	148590	350364	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	+++++ 1144780	14528 1527992	27907 3090584	305733	735479	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 2031754	22055 2701948	47367 5438264	533224	1289430	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 1749717	18069 2331764	37264 4748761	451940	1107005	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
4-Methyl-2-pentanone (Methyl isobutyl ketone)	DFBZ	Ave	+++++ 1831376	+++++ 2423966	38049 4865362	470904	1162863	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
Toluene	CBNZd 5	Ave	+++++ 1921422	22442 2549293	45425 5067451	509384	1233150	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
n-Octane	DFBZ	Ave	+++++ 1899862	22124 2526133	44862 4981652	502867	1218979	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75561-1 | Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 | Calibration End Date: 10/17/2024 10:36 | Calibration ID: 53721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 1410921	14435 1895581	30161 3847853	360130	889411	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++ 1004907	11715 1335720	23946 2718773	264226	638436	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Tetrachloroethene	CBNZd 5	Ave	4036 1563509	18444 2071422	38682 4223562	417133	993248	0.0351 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++ 1774413	+++++ 2354471	32123 4744328	447880	1114739	+++++ 15.0	+++++ 20.0	0.499 40.0	4.24	10.00
Dibromochloromethane	CBNZd 5	Ave	+++++ 2035801	20090 2719254	42315 5525935	519129	1259542	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,2-Dibromoethane	CBNZd 5	Ave	+++++ 1863321	21307 2484430	43016 4991534	490188	1186141	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Chlorobenzene	CBNZd 5	Ave	+++++ 2593865	33033 3443738	64493 6826913	694329	1662981	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Ethylbenzene	CBNZd 5	Ave	+++++ 4257524	50028 5604266	102084 10788207	1142610	2734598	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
m,p-Xylene	CBNZd 5	Ave	+++++ 3265616	37561 4345934	75993 8444971	866147	2093920	+++++ 30.0	0.340 40.0	0.999 80.0	8.49	20.0
n-Nonane	CBNZd 5	Ave	+++++ 1960337	22295 2605134	46053 5107580	527282	1266754	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
o-Xylene	CBNZd 5	Ave	+++++ 1575413	17643 2101286	35758 4172455	414411	1012614	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Styrene	CBNZd 5	Ave	+++++ 2638558	28112 3515984	54687 6922522	683064	1692067	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Bromoform	CBNZd 5	Ave	+++++ 1772444	16882 2374567	33490 4896522	431754	1014875	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Cumene	CBNZd 5	Ave	+++++ 4658205	52362 6158205	109467 11561856	1263905	3025002	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++	31535	61380	707767	1692997	+++++	0.170	0.499	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75561-1 | Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 | Calibration End Date: 10/17/2024 10:36 | Calibration ID: 53721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			2630816	3495597	6837680			15.0	20.0	40.0		
1,2,3-Trichloropropane	CBNZd 5	Ave	+++++	+++++	49827	534947	1278963	+++++	+++++	0.499	4.24	10.00
			1993940	2649954	5277602			15.0	20.0	40.0		
n-Propylbenzene	CBNZd 5	Ave	+++++	67180	135706	1552419	3714560	+++++	0.170	0.499	4.24	10.00
			5677597	7438496	13521261			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	+++++	45976	88022	984235	2345369	+++++	0.170	0.499	4.24	10.00
			3626026	4932932	9415322			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	+++++	52493	106599	1245366	2986471	+++++	0.170	0.499	4.24	10.00
			4613643	6057692	11225276			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	+++++	44035	91490	1051786	2529924	+++++	0.170	0.499	4.24	10.00
			3909275	5132321	9544940			15.0	20.0	40.0		
n-Decane	CBNZd 5	Ave	+++++	+++++	57562	683280	1648317	+++++	+++++	0.499	4.24	10.00
			2530757	3354129	6339825			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd 5	Ave	+++++	20139	39467	536275	1348551	+++++	0.170	0.499	4.24	10.00
			2110636	2822276	5539621			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	+++++	42354	86742	1002136	2395822	+++++	0.170	0.499	4.24	10.00
			3707927	4861613	9223712			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	+++++	44524	90207	1062322	2563719	+++++	0.170	0.499	4.24	10.00
			3918119	5176986	9730994			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	+++++	64610	135676	1563704	3723481	+++++	0.170	0.499	4.24	10.00
			5688590	7391140	13155949			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd 5	Ave	+++++	34877	63756	726945	1764735	+++++	0.170	0.499	4.24	10.00
			2749026	3684397	7022067			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	+++++	50705	109860	1300514	3134550	+++++	0.170	0.499	4.24	10.00
			4821801	6278363	11308034			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	+++++	36162	64390	728371	1776678	+++++	0.170	0.499	4.24	10.00
			2751865	3689816	7069066			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	+++++	35090	64441	976060	2448851	+++++	0.170	0.499	4.24	10.00
			3866402	5095037	9791888			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
n-Butylbenzene	CBNZd5	Ave	+++++ 4791135	51113 6295298	104651 11332413	1286613	3150356	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 2665740	34385 3541932	62438 6771316	704818	1709290	+++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
n-Undecane	CBNZd5	Ave	+++++ 2884637	+++++ 3828689	+++++ 7290645	706757	1880747	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
n-Dodecane	CBNZd5	Ave	+++++ 2919941	+++++ 3954732	+++++ 7379620	433244	1886532	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 2447740	29901 3388761	38995 6711757	484955	1562307	+++++ 17.6	0.200 23.5	0.586 46.9	4.98	11.7
Hexachlorobutadiene	CBNZd5	Ave	+++++ 2069879	22668 2774832	44730 5536946	514409	1313819	+++++ 16.9	0.191 22.5	0.561 45.0	4.77	11.2
Naphthalene	CBNZd5	Ave	+++++ 5527109	65328 7609920	61208 14269899	826800	3545500	+++++ 17.8	0.202 23.8	0.594 47.6	5.05	11.9
1,2,3-Trichlorobenzene	CBNZd5	Ave	+++++ 2344753	30518 3201781	36476 6404258	440099	1475030	+++++ 17.5	0.198 23.3	0.582 46.6	4.94	11.6

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington | Job No.: 200-75561-1 | Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 | Calibration End Date: 10/17/2024 10:36 | Calibration ID: 53721

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-209766/5	62526_005.D
Level 2	IC 200-209766/26	62526_02e6.D
Level 3	IC 200-209766/24	62526_024.D
Level 4	IC 200-209766/9	62526_009.D
Level 5	ICIS 200-209766/10	62526_010.D
Level 6	IC 200-209766/11	62526_011.D
Level 7	IC 200-209766/14	62526_014.D
Level 8	IC 200-209766/16	62526_016.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
Propylene	+++++ -0.8	+++++ 2.2	+++++	-1.5	-2.2	2.3	30	30		50	30	30
Dichlorodifluoromethane	+++++ 1.4	+++++ 3.1	-14.1	2.0	1.6	6.0	30	30	50	30	30	30
Chlorodifluoromethane	+++++ 2.8	+++++ 4.4	-13.7	0.6	0.0	5.9	30	30	50	30	30	30
1,2-Dichlorotetrafluoroethane	+++++ 0.5	16.2 1.5	-17.1	-1.8	-1.9	2.7	30	50 30	30	30	30	30
Chloromethane	+++++ 2.8	+++++ 4.6	-13.7	0.7	0.3	5.3	30	30	50	30	30	30
n-Butane	+++++ 3.1	+++++ -4.5	-10.6	5.1	2.5	4.3	30	30	50	30	30	30
Vinyl chloride	9.4 -0.6	14.1 -8.1	-16.1	1.5	-1.2	1.0	50 30	30 30	30	30	30	30
1,3-Butadiene	25.3 -4.4	17.0 -11.9	-14.8	-2.5	-5.2	-3.6	50 30	30 30	30	30	30	30
Bromomethane	+++++ 0.6	14.5 1.0	-16.2	-0.9	-1.6	2.6	30	50 30	30	30	30	30
Chloroethane	+++++ 0.6	12.6 2.0	-17.1	0.0	-1.3	3.3	30	50 30	30	30	30	30
Isopentane	+++++ -1.4	20.4 2.3	-17.4	-2.8	-3.1	1.9	30	50 30	30	30	30	30
Bromoethene(Vinyl Bromide)	+++++ 1.7	12.0 2.7	-18.3	-0.7	-0.7	3.4	30	50 30	30	30	30	30
Trichlorofluoromethane	+++++ 0.9	14.0 0.8	-16.4	-0.7	-1.2	2.6	30	50 30	30	30	30	30
n-Pentane	+++++ 2.8	+++++ 6.1	-14.3	-0.1	0.4	5.2	30	30	50	30	30	30
Ethanol	+++++ 7.1	5.2 9.6	+++++	6.3	1.7	-30.0	30	50 30		30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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
Ethyl ether	+++++ 2.2	11.3 5.3	-20.0	-1.6	-1.0	3.7	30	50 30	30	30	30	30
Acrolein	+++++ 1.1	+++++ 6.3	+++++	-5.2	-5.1	2.8	30	30		50	30	30
1,1-Dichloroethene	11.0 -0.3	11.8 0.8	-19.0	-2.8	-3.0	1.5	50 30	30 30	30	30	30	30
1,1,2-Trichlorotrifluoroethane	+++++ 1.4	13.1 0.6	-16.7	-0.4	-0.8	2.8	30	50 30	30	30	30	30
Acetone	+++++ -0.7	+++++ 0.8	+++++	-0.4	-0.9	1.2	30	30		50	30	30
Isopropyl alcohol	+++++ 0.2	+++++ -2.5	+++++	-1.9	0.2	4.1	30	30		50	30	30
Carbon disulfide	+++++ 4.7	+++++ 2.0	-16.7	1.8	1.9	6.4	30	30	50	30	30	30
Acetonitrile	+++++ 0.3	+++++ 2.0	+++++	-4.0	-2.9	4.6	30	30		50	30	30
3-Chloropropene	+++++ -1.1	24.3 -1.7	-15.3	-4.0	-3.4	1.3	30	50 30	30	30	30	30
Methylene Chloride	+++++ 3.8	+++++ 0.7	-13.5	2.0	1.4	5.6	30	30	50	30	30	30
tert-Butyl alcohol	+++++ 1.9	+++++ -6.0	+++++	-1.6	0.9	4.8	30	30		50	30	30
Acrylonitrile	+++++ 7.2	+++++ 5.2	-22.3	-0.2	3.0	7.0	30	30	50	30	30	30
trans-1,2-Dichloroethene	5.3 1.8	14.8 -3.2	-18.8	-1.4	-1.1	2.7	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	+++++ 4.3	10.1 -0.4	-20.8	-0.3	1.5	5.6	30	50 30	30	30	30	30
n-Hexane	+++++ 1.7	17.8 -1.7	-18.7	-1.5	-0.7	3.1	30	50 30	30	30	30	30
1,1-Dichloroethane	4.9 1.7	13.0 -3.8	-18.0	-0.7	-0.1	3.0	50 30	30 30	30	30	30	30
Vinyl acetate	+++++ 4.5	+++++ 0.6	+++++	-6.0	-2.7	3.6	30	30		50	30	30
Methyl Ethyl Ketone (2-Butanone)	+++++ 7.0	+++++ 5.2	-23.2	0.4	3.1	7.5	30	30	50	30	30	30
cis-1,2-Dichloroethene	11.6 0.6	11.9 -2.5	-18.0	-2.7	-2.4	1.4	50 30	30 30	30	30	30	30
Ethyl acetate	+++++ 2.5	+++++ 1.5	+++++	-6.5	-1.2	3.7	30	30		50	30	30
Tetrahydrofuran	+++++ 2.2	+++++ 0.5	+++++	-4.4	-1.5	3.1	30	30		50	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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
Chloroform	+++++ 1.8	15.0 -2.6	-17.2	0.3	-0.3	3.0	30	50 30	30	30	30	30
1,1,1-Trichloroethane	+++++ 3.9	9.6 1.6	-19.8	-0.4	0.3	4.9	30	50 30	30	30	30	30
Cyclohexane	+++++ 3.8	9.1 2.4	-19.5	-1.0	0.5	4.6	30	50 30	30	30	30	30
Carbon tetrachloride	-8.1 6.9	6.2 5.3	-21.3	1.6	1.8	7.6	50 30	30 30	30	30	30	30
Benzene	+++++ 2.0	16.8 -1.7	-18.6	-0.8	-0.8	3.1	30	50 30	30	30	30	30
1,2-Dichloroethane	+++++ 2.6	14.9 -0.7	-17.5	-0.9	-1.3	2.9	30	50 30	30	30	30	30
2,2,4-Trimethylpentane	+++++ 3.5	12.1 -1.1	-19.5	-0.5	0.6	4.9	30	50 30	30	30	30	30
n-Heptane	+++++ 3.2	16.4 0.7	-21.3	-2.5	-0.5	3.9	30	50 30	30	30	30	30
n-Butanol	+++++ 2.3	+++++ -1.5	+++++	-5.0	-0.5	4.6	30	30		50	30	30
Trichloroethene	7.0 2.5	12.5 0.3	-20.5	-2.7	-1.9	2.7	50 30	30 30	30	30	30	30
1,2-Dichloropropane	+++++ 4.5	9.1 1.9	-19.6	-1.2	0.5	4.8	30	50 30	30	30	30	30
Methyl methacrylate	+++++ 9.6	+++++ 8.0	-29.9	-1.0	3.8	9.5	30	30	50	30	30	30
1,4-Dioxane	+++++ -2.6	25.1 -6.3	-18.3	0.6	-0.2	1.7	30	50 30	30	30	30	30
Dibromomethane	+++++ 2.6	19.6 0.1	-21.6	-2.2	-1.1	2.6	30	50 30	30	30	30	30
Bromodichloromethane	+++++ 6.0	6.1 2.9	-22.3	-0.3	1.3	6.3	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	+++++ 8.1	2.7 6.2	-27.8	-0.2	2.8	8.2	30	50 30	30	30	30	30
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ 8.7	+++++ 5.2	-28.6	0.6	4.5	9.6	30	30	50	30	30	30
Toluene	+++++ 3.6	14.2 -0.4	-21.0	-0.8	0.2	4.2	30	50 30	30	30	30	30
n-Octane	+++++ 4.7	12.4 -0.4	-22.2	-0.7	1.2	5.1	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	+++++ 9.1	1.9 6.8	-27.4	-1.2	2.6	8.3	30	50 30	30	30	30	30
1,1,2-Trichloroethane	+++++ 3.6	13.8 2.0	-20.6	-1.8	-1.0	4.0	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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
Tetrachloroethene	9.7 1.1	12.7 -0.4	-19.3	-2.5	-3.1	1.7	50 30	30 30	30	30	30	30
Methyl Butyl Ketone (2-Hexanone)	+++++ 10.7	+++++ 7.8	-35.4	0.9	4.8	11.2	30	30	50	30	30	30
Dibromochloromethane	+++++ 9.2	1.0 7.3	-27.4	-0.2	1.1	9.0	30	50 30	30	30	30	30
1,2-Dibromoethane	+++++ 4.7	12.4 1.7	-22.5	-1.0	0.0	4.7	30	50 30	30	30	30	30
Chlorobenzene	+++++ 1.5	21.9 -2.7	-18.7	-2.0	-2.0	2.0	30	50 30	30	30	30	30
Ethylbenzene	+++++ 3.1	15.2 -4.1	-19.7	0.6	0.6	4.4	30	50 30	30	30	30	30
m,p-Xylene	+++++ 4.7	13.2 -1.7	-21.8	-0.1	0.8	4.9	30	50 30	30	30	30	30
n-Nonane	+++++ 4.2	11.6 -1.3	-21.3	1.0	1.3	4.5	30	50 30	30	30	30	30
o-Xylene	+++++ 5.3	10.7 1.1	-23.4	-0.5	1.5	5.3	30	50 30	30	30	30	30
Styrene	+++++ 7.5	7.6 2.3	-28.5	0.0	3.5	7.6	30	50 30	30	30	30	30
Bromoform	+++++ 12.7	0.3 12.4	-32.0 *	-1.8	-3.7	12.2	30	50 30	30	30	30	30
Cumene	+++++ 4.4	11.1 -5.3	-20.7	2.6	2.5	5.3	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	+++++ 3.4	16.8 -2.2	-22.3	0.3	0.2	3.8	30	50 30	30	30	30	30
1,2,3-Trichloropropane	+++++ 5.2	+++++ 1.3	-15.4	1.7	1.5	5.6	30	30	50	30	30	30
n-Propylbenzene	+++++ 2.9	16.3 -9.6	-19.8	2.8	2.7	4.7	30	50 30	30	30	30	30
2-Chlorotoluene	+++++ 3.9	21.2 -4.2	-20.7	-0.7	-1.2	1.8	30	50 30	30	30	30	30
4-Ethyltoluene	+++++ 4.2	13.0 -6.7	-21.6	2.6	2.7	5.8	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	+++++ 4.2	11.9 -6.3	-20.6	2.3	2.7	5.8	30	50 30	30	30	30	30
n-Decane	+++++ 6.9	+++++ -2.3	-21.5	4.3	5.1	7.6	30	30	50	30	30	30
Alpha Methyl Styrene	+++++ 11.1	-0.8 5.4	-33.6 *	1.1	6.1	10.8	30	50 30	30	30	30	30
tert-Butylbenzene	+++++ 3.5	12.9 -5.0	-21.0	2.2	2.0	5.3	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 209766

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2024 16:17 Calibration End Date: 10/17/2024 10:36 Calibration ID: 53721

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
1,2,4-Trimethylbenzene	+++++ 4.3	12.3 -5.2	-22.3	2.5	3.3	5.2	30	50 30	30	30	30	30
sec-Butylbenzene	+++++ 3.1	12.9 -11.2	-19.0	4.5	3.9	5.9	30	50 30	30	30	30	30
1,3-Dichlorobenzene	+++++ 3.8	23.0 -4.4	-23.2	-1.9	-0.6	3.3	30	50 30	30	30	30	30
4-Isopropyltoluene	+++++ 5.4	6.5 -8.3	-21.2	4.5	5.2	7.9	30	50 30	30	30	30	30
1,4-Dichlorobenzene	+++++ 2.9	26.3 -4.7	-23.2	-2.7	-0.9	2.3	30	50 30	30	30	30	30
Benzyl chloride	+++++ 12.5	-3.0 4.5	-39.2 *	3.2	8.1	13.8	30	50 30	30	30	30	30
n-Butylbenzene	+++++ 6.2	7.9 -7.6	-24.5	4.0	6.3	7.8	30	50 30	30	30	30	30
1,2-Dichlorobenzene	+++++ 2.7	24.8 -5.1	-22.6	-2.1	-0.9	3.1	30	50 30	30	30	30	30
n-Undecane	+++++ 4.4	+++++ -3.9	+++++	-7.7	2.5	4.8	30	30		50	30	30
n-Dodecane	+++++ 14.5	+++++ 3.3	+++++	-39.9	9.3	12.8	30	30		50	30	30
1,2,4-Trichlorobenzene	+++++ 14.3	26.2 9.4	-43.8 *	-21.7	5.4	10.1	30	50 30	30	30	30	30
Hexachlorobutadiene	+++++ 7.6	10.0 3.8	-25.8	-4.5	1.9	7.0	30	50 30	30	30	30	30
Naphthalene	+++++ 21.8	30.9 10.4	-58.1 *	-36.6 *	13.5	18.0	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	+++++ 12.8	34.6 9.1	-45.0 *	-25.7	3.9	10.2	30	50 30	30	30	30	30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Oct-2024 16:17:15 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-005
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:12 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: F7XK Date: 17-Oct-2024 10:30:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.300	4.294	0.006	86	1855	0.0351	0.0779	
2 Dichlorodifluoromethane	85	4.407	4.396	0.011	98	4533	0.0351	0.0400	
3 Chlorodifluoromethane	51	4.449	4.444	0.005	95	2243	0.0351	0.0399	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.776	4.770	0.006	92	4742	0.0351	0.0389	
5 Chloromethane	50	4.904	4.893	0.011	59	1434	0.0351	0.0463	
7 Butane	43	5.204	5.198	0.006	96	5612	0.0351	0.0828	
6 Vinyl chloride	62	5.198	5.198	0.000	74	2124	0.0351	0.0384	
8 Butadiene	54	5.321	5.316	0.005	77	1846	0.0351	0.0440	
9 Bromomethane	94	6.070	6.065	0.005	94	1851	0.0351	0.0394	
10 Chloroethane	64	6.343	6.343	0.000	87	827	0.0351	0.0349	
12 2-Methylbutane	43	6.557	6.552	0.005	93	2000	0.0351	0.0458	
13 Vinyl bromide	106	6.777	6.776	0.001	96	1778	0.0351	0.0364	
14 Trichlorofluoromethane	101	6.937	6.937	0.000	98	5311	0.0351	0.0396	
15 Pentane	43	7.146	7.145	0.001	94	2914	0.0351	0.0431	
16 Ethanol	45	7.413	7.343	0.070	81	1356	0.0702	0.0882	
18 Ethyl ether	59	7.600	7.568	0.032	89	850	0.0351	0.0254	
19 Acrolein	56	7.857	7.830	0.027	1	570	0.0411	0.0323	
20 1,1-Dichloroethene	96	8.023	8.023	0.000	95	2199	0.0351	0.0389	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.061	8.060	0.001	97	4594	0.0351	0.0382	
22 Acetone	43	8.162	8.114	0.048	96	8015	0.0351	0.1125	
23 Isopropyl alcohol	45	8.467	8.419	0.048	94	3157	0.0407	0.0448	
24 Carbon disulfide	76	8.430	8.429	0.001	99	6520	0.0351	0.0421	
25 Acetonitrile	41		8.643				ND	ND	
26 3-Chloro-1-propene	41	8.740	8.734	0.006	86	3028	0.0351	0.0501	
27 Methylene Chloride	49	8.970	8.975	-0.005	87	2830	0.0351	0.0490	
28 2-Methyl-2-propanol	59	9.237	9.205	0.032	94	3594	0.0351	0.0346	
29 Acrylonitrile	53	9.419	9.398	0.021	68	1049	0.0351	0.0286	
30 trans-1,2-Dichloroethene	61	9.473	9.473	0.000	93	2970	0.0351	0.0369	
31 Methyl tert-butyl ether	73	9.505	9.473	0.032	96	5788	0.0351	0.0377	
32 Hexane	57	9.986	9.981	0.005	92	3280	0.0351	0.0399	
S 35 1,2-Dichloroethene, Total	61				0		0.0702	0.0761	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.254	10.259	-0.005	95	3754	0.0351	0.0368	
34 Vinyl acetate	43	10.291	10.264	0.027	99	3878	0.0400	0.0337	
36 2-Butanone (MEK)	72	11.292	11.249	0.043	94	1046	0.0351	0.0376	
37 cis-1,2-Dichloroethene	96	11.265	11.270	-0.005	90	2537	0.0351	0.0392	
38 Ethyl acetate	88		11.324				ND	ND	
* 39 Chlorobromomethane	128	11.688	11.687	0.001	85	420468	10.0	10.0	
40 Tetrahydrofuran	42	11.757	11.720	0.037	85	2080	0.0351	0.0366	
41 Chloroform	83	11.870	11.869	0.001	95	4662	0.0351	0.0376	
42 1,1,1-Trichloroethane	97	12.169	12.164	0.005	96	3138	0.0351	0.0254	
43 Cyclohexane	84	12.292	12.292	0.000	54	1678	0.0351	0.0220	
44 Carbon tetrachloride	117	12.442	12.442	0.000	93	4027	0.0351	0.0322	
45 Benzene	78	12.800	12.800	0.000	96	8280	0.0351	0.0463	
46 1,2-Dichloroethane	62		12.886				ND	ND	
47 Isooctane	57	13.004	13.003	0.001	99	9697	0.0351	0.0368	
48 n-Heptane	43	13.314	13.314	0.000	88	3570	0.0351	0.0392	
* 49 1,4-Difluorobenzene	114	13.539	13.544	-0.005	94	1984187	10.0	10.0	
50 n-Butanol	56	13.822	13.790	0.032	92	1299	0.0351	0.0342	
51 Trichloroethene	95	13.972	13.972	0.000	92	3158	0.0351	0.0375	
53 1,2-Dichloropropane	63	14.437	14.443	-0.006	41	1260	0.0351	0.0191	
54 Methyl methacrylate	69		14.523				ND	ND	
55 1,4-Dioxane	88	14.609	14.571	0.038	57	2109	0.0351	0.0575	
57 Dibromomethane	174	14.598	14.603	-0.005	93	3899	0.0351	0.0502	
58 Dichlorobromomethane	83	14.919	14.913	0.006	97	4555	0.0351	0.0343	
59 cis-1,3-Dichloropropene	75	15.721	15.716	0.005	90	3694	0.0351	0.0328	
61 4-Methyl-2-pentanone (MIBK)	43	16.000	15.989	0.011	95	3640	0.0351	0.0313	
62 Toluene	92	16.358	16.352	0.006	94	4829	0.0351	0.0384	
A 63 Toluene Range	1	16.353	(16.283-16.443)		0	17522	NC	NC	
64 n-Octane	43	16.588	16.582	0.006	87	3425	0.0351	0.0272	
A 65 C8 Range	1	16.583	(16.513-16.663)		0	6060	NC	NC	
66 trans-1,3-Dichloropropene	75	16.781	16.780	0.001	93	2638	0.0351	0.0291	
67 1,1,2-Trichloroethane	83		17.160				ND	ND	
68 Tetrachloroethene	166	17.337	17.342	-0.005	96	4036	0.0351	0.0385	
69 2-Hexanone	43	17.583	17.572	0.011	91	1927	0.0351	0.0177	
70 Chlorodibromomethane	129	17.888	17.893	-0.005	95	3709	0.0351	0.0291	
71 Ethylene Dibromide	107	18.134	18.134	0.000	98	4052	0.0351	0.0334	
* 73 Chlorobenzene-d5	117	19.044	19.043	0.001	87	1776542	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	92	6202	0.0351	0.0357	
75 Ethylbenzene	91	19.295	19.289	0.006	97	8626	0.0351	0.0310	
76 m-Xylene & p-Xylene	106	19.541	19.552	-0.011	0	4801	0.0702	0.0452	
77 n-Nonane	57		19.600				ND	ND	
S 80 Xylenes, Total	106				0		0.1052	0.0655	
78 o-Xylene	106	20.317	20.322	-0.005	95	2073	0.0351	0.0203	
79 Styrene	104	20.354	20.354	0.000	78	2505	0.0351	0.0150	
81 Bromoform	173	20.697	20.696	0.001	92	2734	0.0351	0.0254	
82 Isopropylbenzene	105	20.991	20.991	0.000	97	5876	0.0351	0.0195	
83 1,1,2,2-Tetrachloroethane	83	21.515	21.510	0.005	96	5273	0.0351	0.0305	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	94	4307	0.0351	0.0334	
85 N-Propylbenzene	91	21.686	21.686	0.000	98	4361	0.0351	0.0118	
86 2-Chlorotoluene	91	21.836	21.836	0.000	95	4297	0.0351	0.0177	
87 4-Ethyltoluene	105	21.879	21.879	0.000	96	2928	0.0351	0.009842	
88 1,3,5-Trimethylbenzene	105	21.975	21.970	0.005	93	2575	0.0351	0.0102	
89 n-Decane	57		21.991				ND	ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.291	22.296	-0.005	88	808	0.0351	0.006214	
91 tert-Butylbenzene	119	22.446	22.446	0.000	93	4394	0.0351	0.0183	
92 1,2,4-Trimethylbenzene	105	22.532	22.531	0.001	91	2209	0.0351	0.008697	
93 sec-Butylbenzene	105	22.767	22.767	0.000	97	4210	0.0351	0.0115	
94 1,3-Dichlorobenzene	146	22.944	22.943	0.001	95	2307	0.0351	0.0127	
95 4-Isopropyltoluene	119	22.976	22.975	0.001	94	2540	0.0351	0.008330	
96 1,4-Dichlorobenzene	146	23.083	23.082	0.001	91	2014	0.0351	0.0110	
97 Benzyl chloride	91	23.238	23.238	0.000	96	2409	0.0351	0.0104	
98 n-Butylbenzene	91	23.537	23.543	-0.005	93	1596	0.0351	0.005262	
99 1,2-Dichlorobenzene	146	23.586	23.585	0.001	90	1899	0.0351	0.0108	
100 Undecane	57	23.682	23.682	0.000	49	305	0.0351	0.001625	
101 Dodecane	57	25.298	25.303	-0.005	1	265	0.0351	0.001500	
102 1,2,4-Trichlorobenzene	180	26.089	26.084	0.005	87	1193	0.0411	0.009225	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	87	1609	0.0394	0.0137	
104 Naphthalene	128	26.587	26.581	0.006	95	2515	0.0417	0.009357	
105 1,2,3-Trichlorobenzene	180	27.015	27.009	0.006	89	1374	0.0409	0.0110	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00272	Amount Added: 35.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

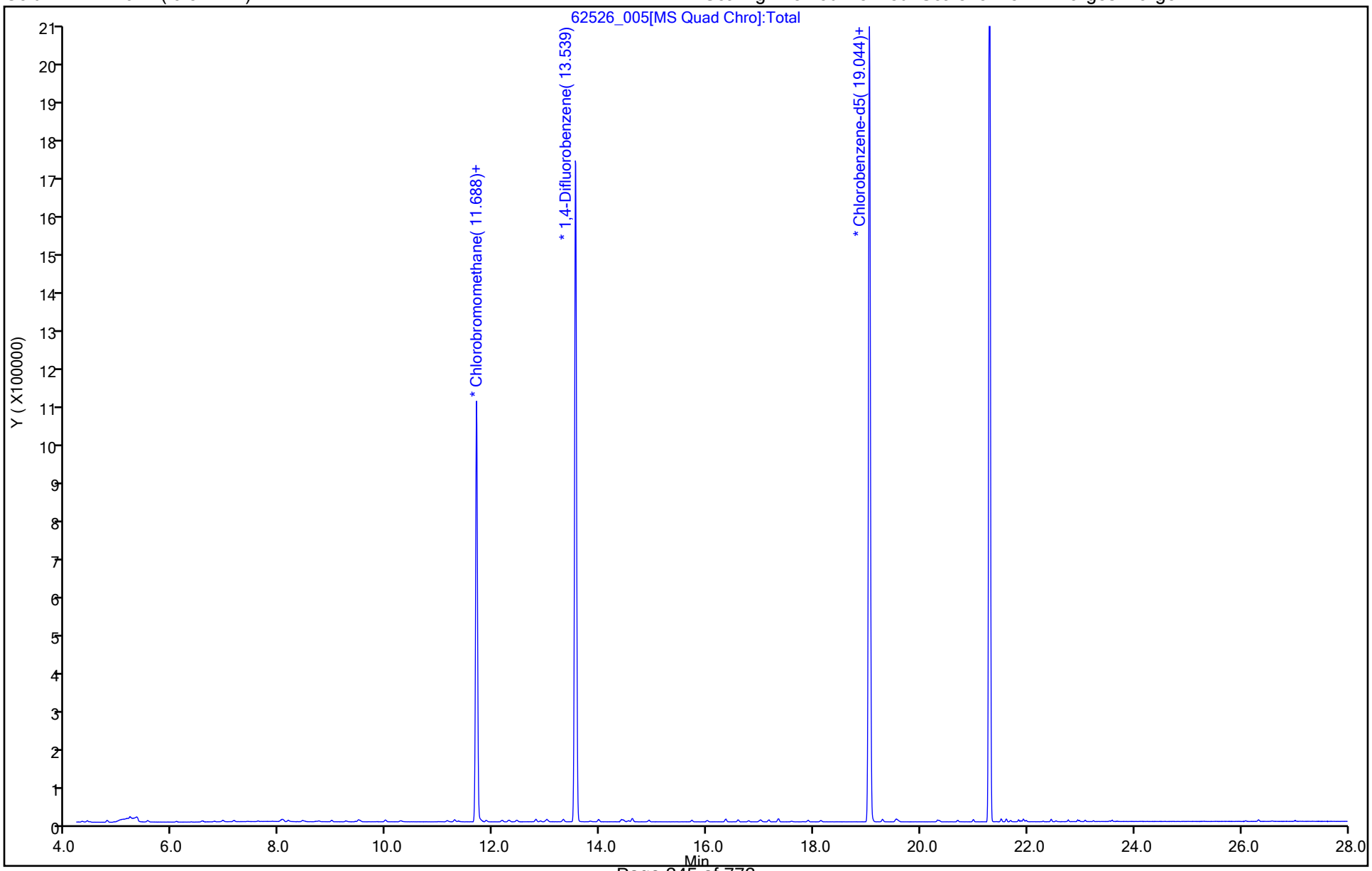
Report Date: 17-Oct-2024 13:07:12 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_005.D

Injection Date:	16-Oct-2024 16:17:15	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Oct-2024 19:41:35 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-009
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:27 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: F7XK Date: 17-Oct-2024 10:43:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.294	4.294	0.000	98	94697	4.24	4.18	
2 Dichlorodifluoromethane	85	4.396	4.396	0.000	99	466156	4.24	4.33	
3 Chlorodifluoromethane	51	4.444	4.444	0.000	96	228321	4.24	4.27	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.770	4.770	0.000	92	482847	4.24	4.17	
5 Chloromethane	50	4.893	4.893	0.000	99	125942	4.24	4.28	
7 Butane	43	5.198	5.198	0.000	98	287294	4.24	4.46	
6 Vinyl chloride	62	5.198	5.198	0.000	99	226694	4.24	4.31	
8 Butadiene	54	5.316	5.316	0.000	89	165259	4.24	4.14	
9 Bromomethane	94	6.070	6.065	0.005	99	187672	4.24	4.20	
10 Chloroethane	64	6.343	6.343	0.000	99	95684	4.24	4.24	
12 2-Methylbutane	43	6.552	6.552	0.000	89	171221	4.24	4.13	
13 Vinyl bromide	106	6.776	6.776	0.000	98	195775	4.24	4.21	
14 Trichlorofluoromethane	101	6.937	6.937	0.000	99	537877	4.24	4.21	
15 Pentane	43	7.146	7.145	0.001	94	272559	4.24	4.24	
16 Ethanol	45	7.349	7.343	0.006	97	132007	8.49	9.03	
18 Ethyl ether	59	7.579	7.568	0.011	90	132857	4.24	4.17	
19 Acrolein	56	7.836	7.830	0.006	96	78961	4.97	4.71	
20 1,1-Dichloroethene	96	8.023	8.023	0.000	98	221344	4.24	4.12	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.060	8.060	0.000	96	483523	4.24	4.23	
22 Acetone	43	8.125	8.114	0.011	97	286308	4.24	4.23	
23 Isopropyl alcohol	45	8.429	8.419	0.010	100	323044	4.92	4.82	
24 Carbon disulfide	76	8.429	8.429	0.000	99	636100	4.24	4.32	
25 Acetonitrile	41	8.649	8.643	0.006	99	136514	4.24	4.07	
26 3-Chloro-1-propene	41	8.734	8.734	0.000	98	234204	4.24	4.07	
27 Methylene Chloride	49	8.975	8.975	0.000	90	237404	4.24	4.33	
28 2-Methyl-2-propanol	59	9.216	9.205	0.011	99	412502	4.24	4.18	
29 Acrylonitrile	53	9.398	9.398	0.000	95	147421	4.24	4.23	M
30 trans-1,2-Dichloroethene	61	9.473	9.473	0.000	99	319855	4.24	4.18	
31 Methyl tert-butyl ether	73	9.483	9.473	0.010	97	616955	4.24	4.23	
32 Hexane	57	9.981	9.981	0.000	92	326729	4.24	4.18	
S 35 1,2-Dichloroethene, Total	61				0		8.49	8.31	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.259	10.259	0.000	100	408724	4.24	4.21	
34 Vinyl acetate	43	10.270	10.264	0.006	100	496525	4.83	4.54	
36 2-Butanone (MEK)	72	11.254	11.249	0.005	98	112786	4.24	4.26	
37 cis-1,2-Dichloroethene	96	11.270	11.270	0.000	92	254430	4.24	4.13	
38 Ethyl acetate	88	11.324	11.324	0.000	99	19682	4.24	3.97	
* 39 Chlorobromomethane	128	11.687	11.687	0.000	86	399759	10.0	10.0	
40 Tetrahydrofuran	42	11.725	11.720	0.005	88	218568	4.24	4.06	
41 Chloroform	83	11.869	11.869	0.000	96	501703	4.24	4.26	
42 1,1,1-Trichloroethane	97	12.169	12.164	0.005	98	496319	4.24	4.23	
43 Cyclohexane	84	12.297	12.292	0.005	98	304600	4.24	4.20	
44 Carbon tetrachloride	117	12.442	12.442	0.000	98	510601	4.24	4.31	
45 Benzene	78	12.800	12.800	0.000	95	714730	4.24	4.21	
46 1,2-Dichloroethane	62	12.886	12.886	0.000	92	313198	4.24	4.21	
47 Isooctane	57	13.004	13.003	0.001	99	1056596	4.24	4.22	
48 n-Heptane	43	13.308	13.314	-0.006	90	357205	4.24	4.14	
* 49 1,4-Difluorobenzene	114	13.544	13.544	0.000	94	1882313	10.0	10.0	
50 n-Butanol	56	13.795	13.790	0.005	88	145311	4.24	4.03	
51 Trichloroethene	95	13.972	13.972	0.000	97	329464	4.24	4.13	
53 1,2-Dichloropropane	63	14.443	14.443	0.000	92	261940	4.24	4.19	
54 Methyl methacrylate	69	14.523	14.523	0.000	98	248093	4.24	4.20	
55 1,4-Dioxane	88	14.582	14.571	0.011	91	148590	4.24	4.27	
57 Dibromomethane	174	14.598	14.603	-0.005	97	305733	4.24	4.15	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	533224	4.24	4.23	
59 cis-1,3-Dichloropropene	75	15.716	15.716	0.000	91	451940	4.24	4.24	
61 4-Methyl-2-pentanone (MIBK)	43	15.989	15.989	0.000	96	470904	4.24	4.27	
62 Toluene	92	16.352	16.352	0.000	93	509384	4.24	4.21	
A 63 Toluene Range	1	16.363	(16.283-16.443)		0	2034359	NC	NC	
64 n-Octane	43	16.583	16.582	0.001	89	502867	4.24	4.21	
A 65 C8 Range	1	16.588	(16.513-16.663)		0	2071555	NC	NC	
66 trans-1,3-Dichloropropene	75	16.780	16.780	0.000	96	360130	4.24	4.19	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	97	264226	4.24	4.17	
68 Tetrachloroethene	166	17.342	17.342	0.000	97	417133	4.24	4.14	
69 2-Hexanone	43	17.572	17.572	0.000	96	447880	4.24	4.28	
70 Chlorodibromomethane	129	17.893	17.893	0.000	97	519129	4.24	4.24	
71 Ethylene Dibromide	107	18.134	18.134	0.000	99	490188	4.24	4.20	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	87	1708277	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	94	694329	4.24	4.16	
75 Ethylbenzene	91	19.290	19.289	0.001	98	1142610	4.24	4.27	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	866147	8.49	8.48	
77 n-Nonane	57	19.594	19.600	-0.006	88	527282	4.24	4.29	
S 80 Xylenes, Total	106				0		12.7	12.7	
78 o-Xylene	106	20.322	20.322	0.000	98	414411	4.24	4.22	
79 Styrene	104	20.354	20.354	0.000	99	683064	4.24	4.25	
81 Bromoform	173	20.697	20.696	0.000	96	431754	4.24	4.17	
82 Isopropylbenzene	105	20.991	20.991	0.000	98	1263905	4.24	4.35	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	707767	4.24	4.26	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	534947	4.24	4.32	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	1552419	4.24	4.36	
86 2-Chlorotoluene	91	21.836	21.836	0.000	95	984235	4.24	4.21	M
87 4-Ethyltoluene	105	21.879	21.879	0.000	98	1245366	4.24	4.35	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	1051786	4.24	4.34	
89 n-Decane	57	21.991	21.991	0.000	93	683280	4.24	4.43	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	88	536275	4.24	4.29	
91 tert-Butylbenzene	119	22.446	22.446	0.000	93	1002136	4.24	4.34	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	1062322	4.24	4.35	
93 sec-Butylbenzene	105	22.767	22.767	0.000	99	1563704	4.24	4.44	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	98	726945	4.24	4.16	
95 4-Isopropyltoluene	119	22.976	22.975	0.001	97	1300514	4.24	4.44	
96 1,4-Dichlorobenzene	146	23.083	23.082	0.000	94	728371	4.24	4.13	
97 Benzyl chloride	91	23.238	23.238	0.000	98	976060	4.24	4.38	
98 n-Butylbenzene	91	23.543	23.543	0.001	99	1286613	4.24	4.41	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	704818	4.24	4.15	
100 Undecane	57	23.682	23.682	0.000	93	706757	4.24	3.92	
101 Dodecane	57	25.303	25.303	0.000	98	433244	4.24	2.55	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	484955	4.98	3.90	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	514409	4.77	4.56	
104 Naphthalene	128	26.581	26.581	0.000	99	826800	5.05	3.20	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	96	440099	4.94	3.67	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL3w_00282	Amount Added: 170.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

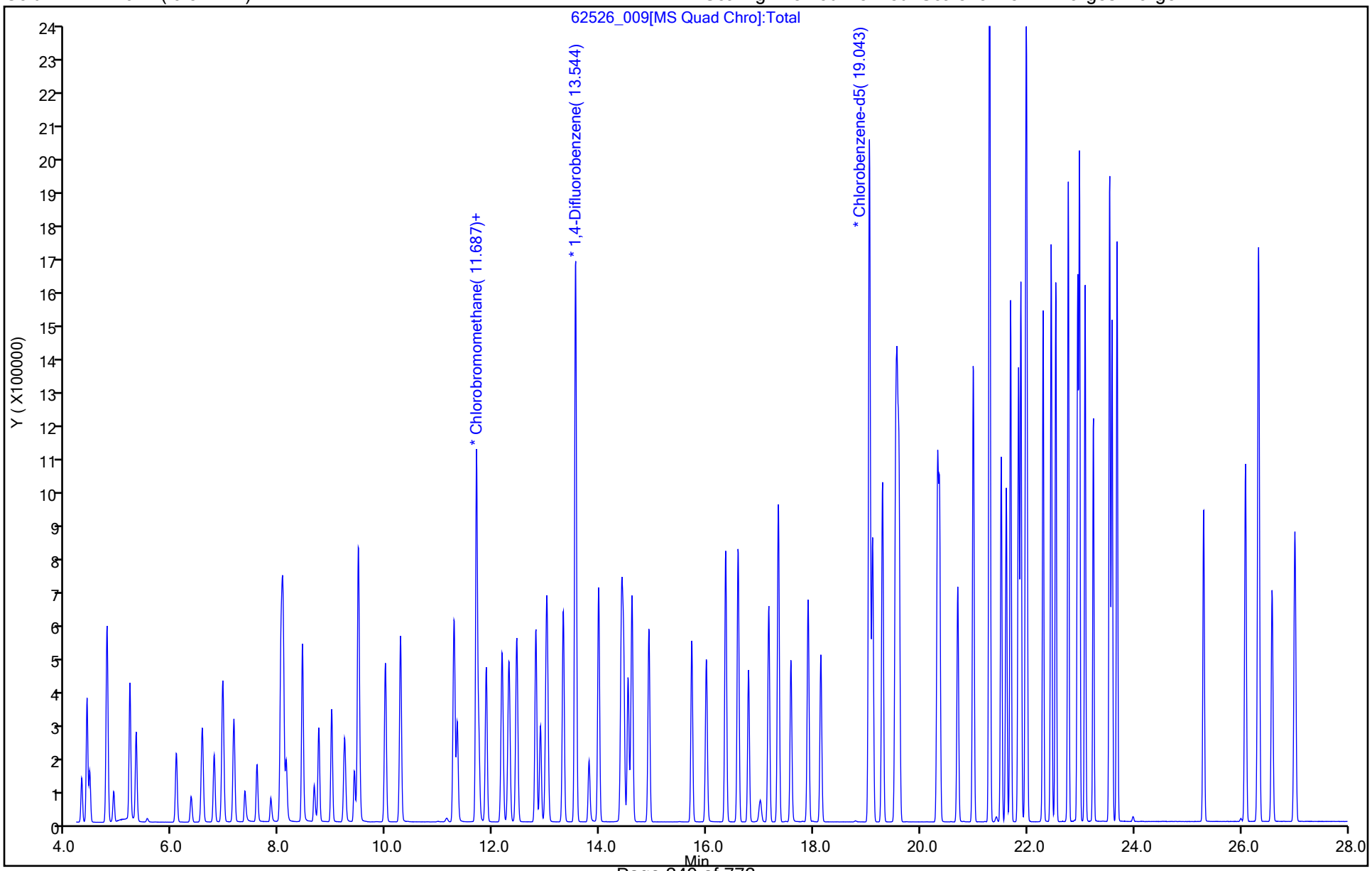
Report Date: 17-Oct-2024 13:07:28 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_009.D

Injection Date:	16-Oct-2024 19:41:35	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

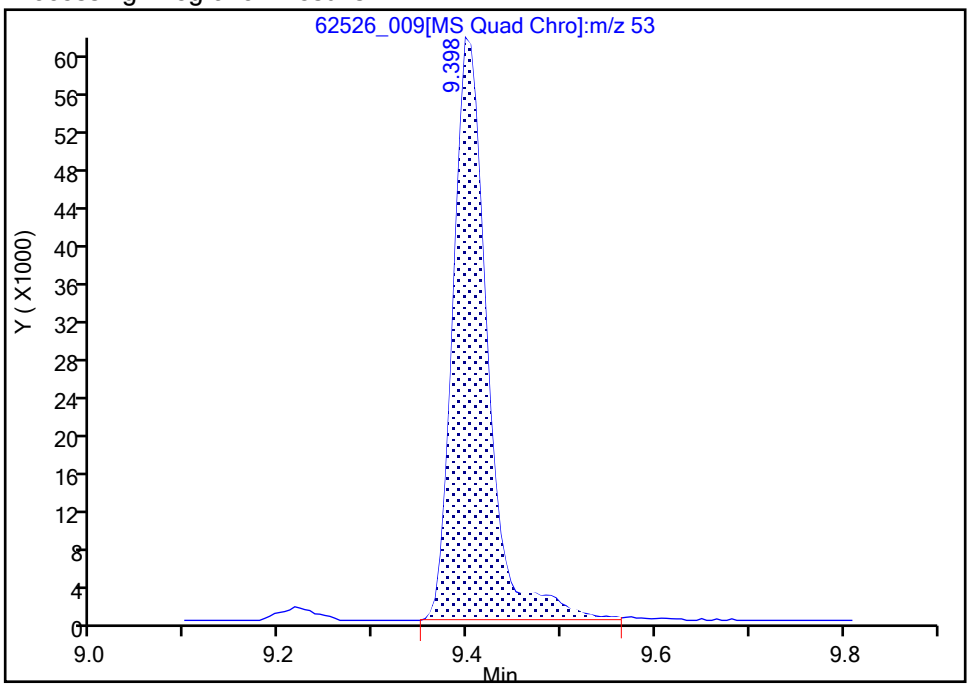
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_009.D				
Injection Date:	16-Oct-2024 19:41:35	Instrument ID:	CHAM.i		
Lims ID:	IC				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

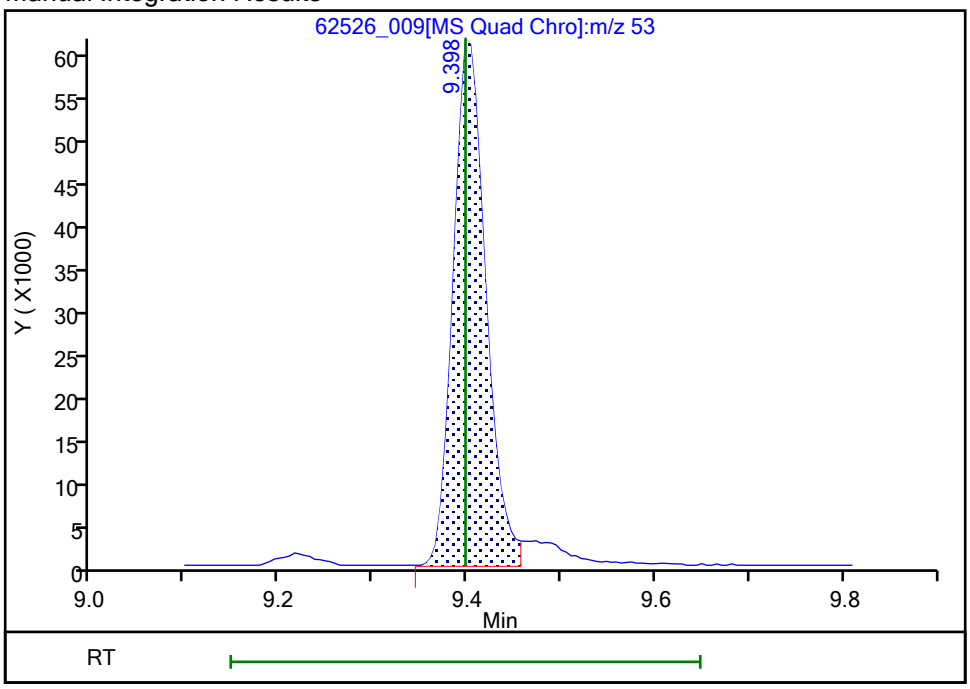
Processing Integration Results

RT: 9.40
Area: 156613
Amount: 4.313836
Amount Units: ppb v/v



Manual Integration Results

RT: 9.40
Area: 147421
Amount: 4.234330
Amount Units: ppb v/v



Reviewer: F7XK, 17-Oct-2024 10:42:23 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

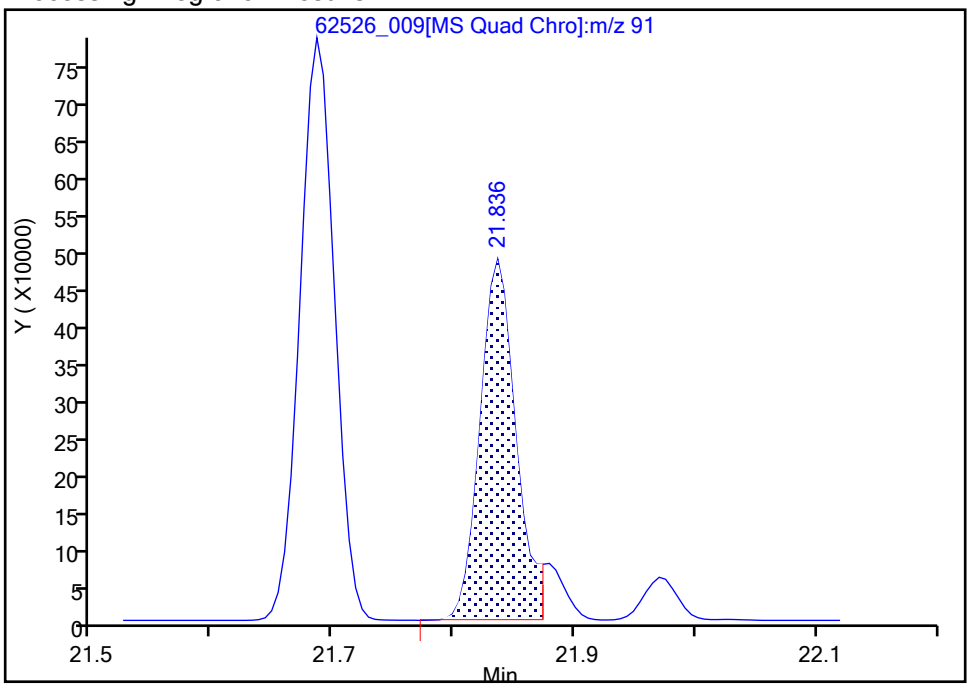
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_009.D				
Injection Date:	16-Oct-2024 19:41:35	Instrument ID:	CHAM.i		
Lims ID:	IC				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

86 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

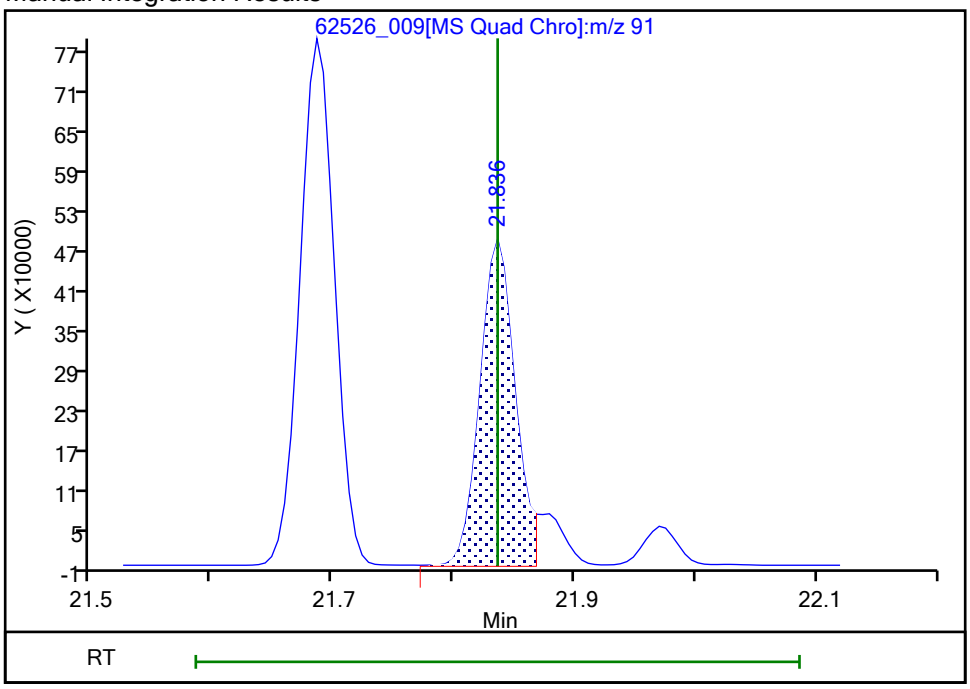
Processing Integration Results

RT: 21.84
Area: 1008395
Amount: 5.767439
Amount Units: ppb v/v



Manual Integration Results

RT: 21.84
Area: 984235
Amount: 4.212582
Amount Units: ppb v/v



Reviewer: F7XK, 17-Oct-2024 10:43:26 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_010.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 16-Oct-2024 20:32:36 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-010
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:06 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: BKZ7 Date: 17-Oct-2024 13:07:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.294	4.294	0.000	98	225432	10.0	9.77	
2 Dichlorodifluoromethane	85	4.396	4.396	0.000	99	1114268	10.0	10.2	
3 Chlorodifluoromethane	51	4.444	4.444	0.000	96	544435	10.0	10.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.770	4.770	0.000	96	1156904	10.0	9.80	
5 Chloromethane	50	4.893	4.893	0.000	99	300831	10.0	10.0	
7 Butane	43	5.198	5.198	0.000	98	672168	10.0	10.2	
6 Vinyl chloride	62	5.198	5.198	0.000	100	529435	10.0	9.88	
8 Butadiene	54	5.316	5.316	0.000	90	385200	10.0	9.47	
9 Bromomethane	94	6.065	6.065	0.000	99	447297	10.0	9.84	
10 Chloroethane	64	6.343	6.343	0.000	99	226652	10.0	9.87	
12 2-Methylbutane	43	6.552	6.552	0.000	89	409278	10.0	9.69	
13 Vinyl bromide	106	6.776	6.776	0.000	99	469548	10.0	9.93	
14 Trichlorofluoromethane	101	6.937	6.937	0.000	99	1284059	10.0	9.88	
15 Pentane	43	7.145	7.145	0.000	95	657332	10.0	10.0	
16 Ethanol	45	7.343	7.343	0.000	98	227179	15.0	15.3	
18 Ethyl ether	59	7.568	7.568	0.000	90	320812	10.0	9.90	
19 Acrolein	56	7.830	7.830	0.000	96	189673	11.7	11.1	
20 1,1-Dichloroethene	96	8.023	8.023	0.000	98	530409	10.0	9.70	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.060	8.060	0.000	96	1154550	10.0	9.91	
22 Acetone	43	8.114	8.114	0.000	98	683356	10.0	9.91	
23 Isopropyl alcohol	45	8.419	8.419	0.000	100	791397	11.6	11.6	
24 Carbon disulfide	76	8.429	8.429	0.000	99	1527273	10.0	10.2	
25 Acetonitrile	41	8.643	8.643	0.000	99	331427	10.0	9.71	M
26 3-Chloro-1-propene	41	8.734	8.734	0.000	98	565238	10.0	9.66	
27 Methylene Chloride	49	8.975	8.975	0.000	90	566660	10.0	10.1	
28 2-Methyl-2-propanol	59	9.205	9.205	0.000	100	1014294	10.0	10.1	
29 Acrylonitrile	53	9.398	9.398	0.000	94	365053	10.0	10.3	M
30 trans-1,2-Dichloroethene	61	9.473	9.473	0.000	99	769572	10.0	9.88	
31 Methyl tert-butyl ether	73	9.473	9.473	0.000	96	1506887	10.0	10.1	
32 Hexane	57	9.981	9.981	0.000	91	789775	10.0	9.92	
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.259	10.259	0.000	100	986430	10.0	9.99	
34 Vinyl acetate	43	10.264	10.264	0.000	99	1232999	11.4	11.1	
36 2-Butanone (MEK)	72	11.249	11.249	0.000	98	277862	10.0	10.3	
37 cis-1,2-Dichloroethene	96	11.270	11.270	0.000	93	612158	10.0	9.76	
38 Ethyl acetate	88	11.324	11.324	0.000	99	49871	10.0	9.88	
* 39 Chlorobromomethane	128	11.687	11.687	0.000	87	407118	10.0	10.0	
40 Tetrahydrofuran	42	11.720	11.720	0.000	89	535559	10.0	9.85	
41 Chloroform	83	11.869	11.869	0.000	96	1196700	10.0	9.97	
42 1,1,1-Trichloroethane	97	12.164	12.164	0.000	98	1188048	10.0	10.0	
43 Cyclohexane	84	12.292	12.292	0.000	98	735195	10.0	10.1	
44 Carbon tetrachloride	117	12.442	12.442	0.000	98	1217234	10.0	10.2	
45 Benzene	78	12.800	12.800	0.000	95	1700453	10.0	9.92	
46 1,2-Dichloroethane	62	12.886	12.886	0.000	92	741755	10.0	9.87	
47 Isooctane	57	13.003	13.003	0.000	99	2540665	10.0	10.1	
48 n-Heptane	43	13.314	13.314	0.000	90	867134	10.0	9.95	
* 49 1,4-Difluorobenzene	114	13.544	13.544	0.000	94	1899969	10.0	10.0	
50 n-Butanol	56	13.790	13.790	0.000	87	362104	10.0	9.95	
51 Trichloroethene	95	13.972	13.972	0.000	98	790632	10.0	9.81	
53 1,2-Dichloropropane	63	14.443	14.443	0.000	92	633265	10.0	10.0	
54 Methyl methacrylate	69	14.523	14.523	0.000	99	618919	10.0	10.4	
55 1,4-Dioxane	88	14.571	14.571	0.000	93	350364	10.0	9.97	
57 Dibromomethane	174	14.603	14.603	0.000	97	735479	10.0	9.89	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	1289430	10.0	10.1	
59 cis-1,3-Dichloropropene	75	15.716	15.716	0.000	91	1107005	10.0	10.3	
61 4-Methyl-2-pentanone (MIBK)	43	15.989	15.989	0.000	96	1162863	10.0	10.4	
62 Toluene	92	16.352	16.352	0.000	93	1233150	10.0	10.0	
A 63 Toluene Range	1	16.363	(16.283-16.443)		0	4885803	NC	NC	
64 n-Octane	43	16.582	16.582	0.000	90	1218979	10.0	10.1	
A 65 C8 Range	1	16.588	(16.513-16.663)		0	5013526	NC	NC	
66 trans-1,3-Dichloropropene	75	16.780	16.780	0.000	96	889411	10.0	10.3	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	97	638436	10.0	9.90	
68 Tetrachloroethene	166	17.342	17.342	0.000	96	993248	10.0	9.69	
69 2-Hexanone	43	17.572	17.572	0.000	96	1114739	10.0	10.5	
70 Chlorodibromomethane	129	17.893	17.893	0.000	98	1259542	10.0	10.1	
71 Ethylene Dibromide	107	18.134	18.134	0.000	98	1186141	10.0	10.0	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	86	1736804	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	94	1662981	10.0	9.80	
75 Ethylbenzene	91	19.289	19.289	0.000	98	2734598	10.0	10.1	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	2093920	20.0	20.2	
77 n-Nonane	57	19.600	19.600	0.000	86	1266754	10.0	10.1	
S 80 Xylenes, Total	106				0		30.0	30.3	
78 o-Xylene	106	20.322	20.322	0.000	98	1012614	10.0	10.1	
79 Styrene	104	20.354	20.354	0.000	99	1692067	10.0	10.3	
81 Bromoform	173	20.696	20.696	0.000	96	1014875	10.0	9.63	
82 Isopropylbenzene	105	20.991	20.991	0.000	98	3025002	10.0	10.3	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	1692997	10.0	10.0	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	1278963	10.0	10.2	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	3714560	10.0	10.3	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	2345369	10.0	9.87	
87 4-Ethyltoluene	105	21.879	21.879	0.000	99	2986471	10.0	10.3	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	2529924	10.0	10.3	
89 n-Decane	57	21.991	21.991	0.000	93	1648317	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	88	1348551	10.0	10.6	
91 tert-Butylbenzene	119	22.446	22.446	0.000	93	2395822	10.0	10.2	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	2563719	10.0	10.3	
93 sec-Butylbenzene	105	22.767	22.767	0.000	98	3723481	10.0	10.4	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	98	1764735	10.0	9.94	
95 4-Isopropyltoluene	119	22.975	22.975	0.000	97	3134550	10.0	10.5	
96 1,4-Dichlorobenzene	146	23.082	23.082	0.000	94	1776678	10.0	9.91	
97 Benzyl chloride	91	23.238	23.238	0.000	99	2448851	10.0	10.8	
98 n-Butylbenzene	91	23.543	23.543	0.000	99	3150356	10.0	10.6	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	1709290	10.0	9.91	
100 Undecane	57	23.682	23.682	0.000	93	1880747	10.0	10.2	
101 Dodecane	57	25.303	25.303	0.000	98	1886532	10.0	10.9	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	1562307	11.7	12.4	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	1313819	11.2	11.4	
104 Naphthalene	128	26.581	26.581	0.000	99	3545500	11.9	13.5	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	1475030	11.6	12.1	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL4w_00830	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

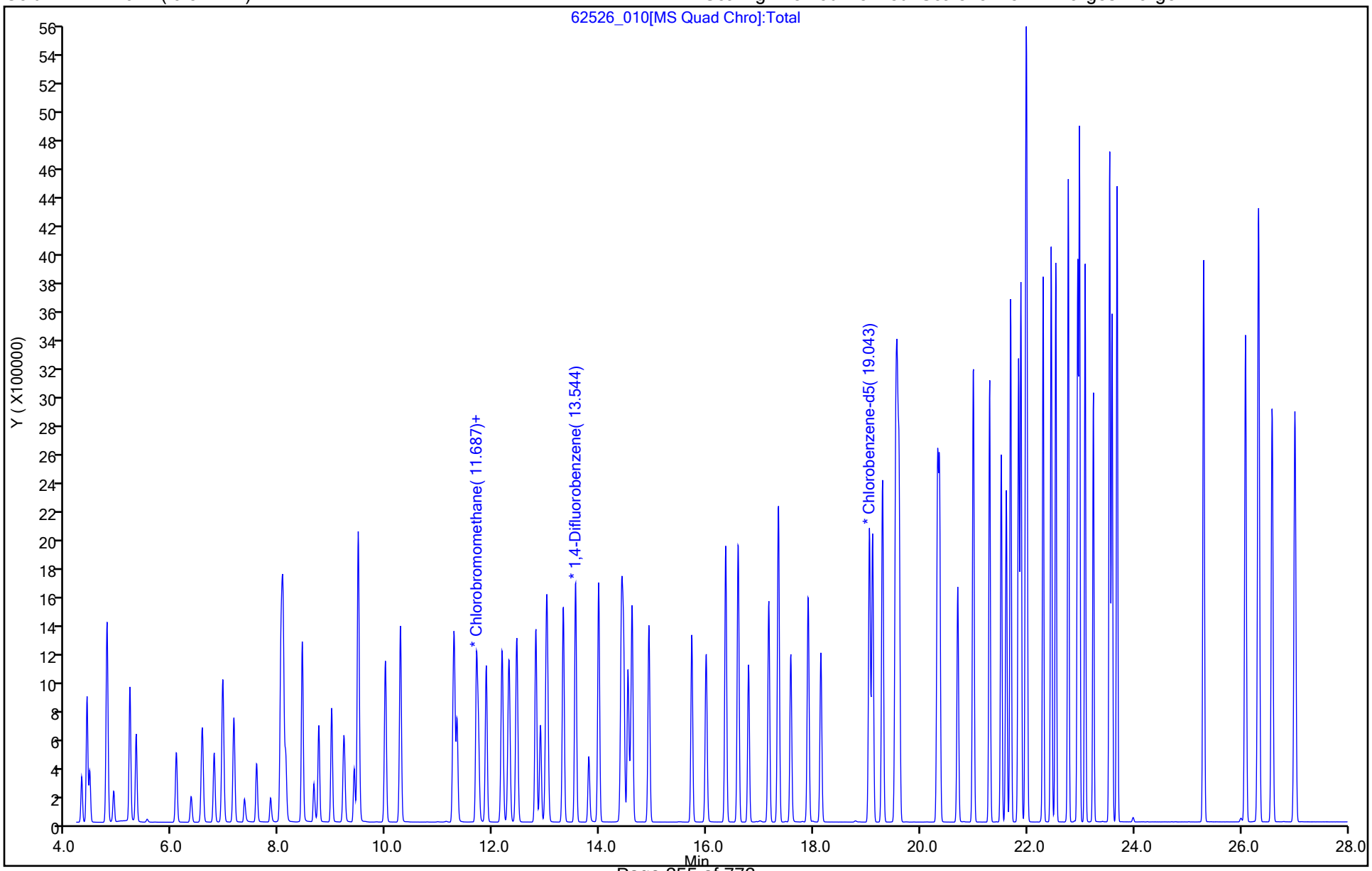
Report Date: 17-Oct-2024 13:07:06 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_010.D

Injection Date:	16-Oct-2024 20:32:36	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	icis			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

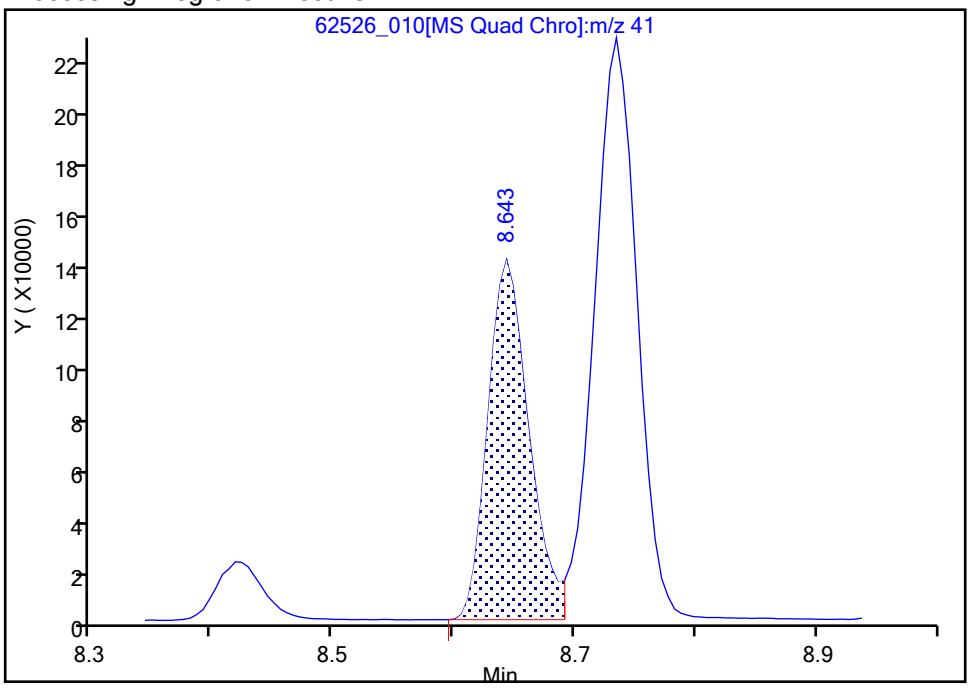
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_010.D				
Injection Date:	16-Oct-2024 20:32:36	Instrument ID:	CHAM.i		
Lims ID:	icis				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

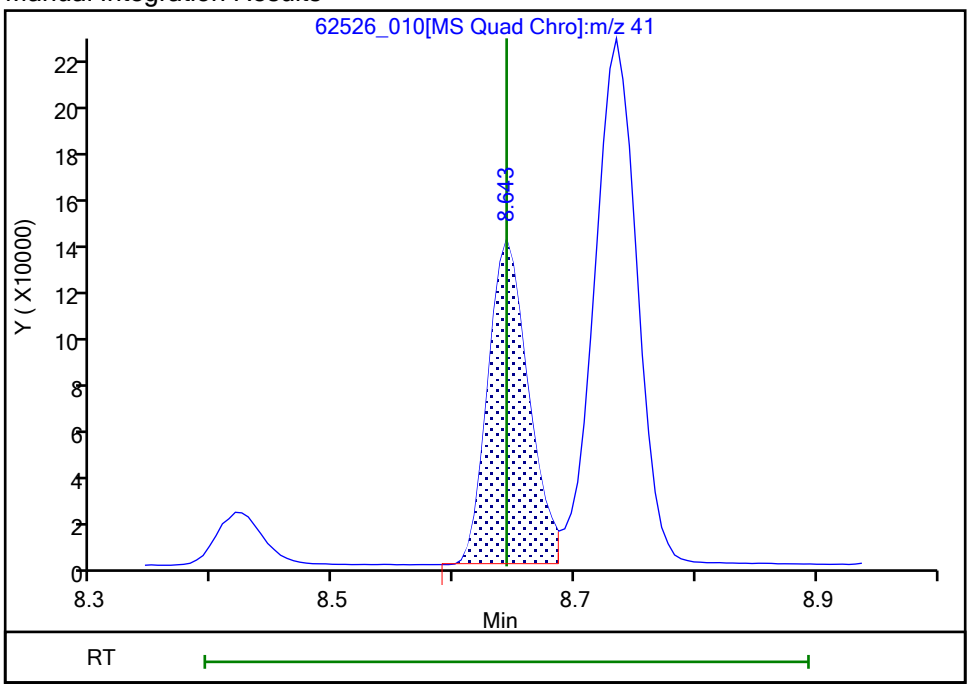
Processing Integration Results

RT: 8.64
Area: 336428
Amount: 9.434096
Amount Units: ppb v/v



Manual Integration Results

RT: 8.64
Area: 331427
Amount: 9.710604
Amount Units: ppb v/v



Reviewer: F7XK, 17-Oct-2024 10:44:20 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

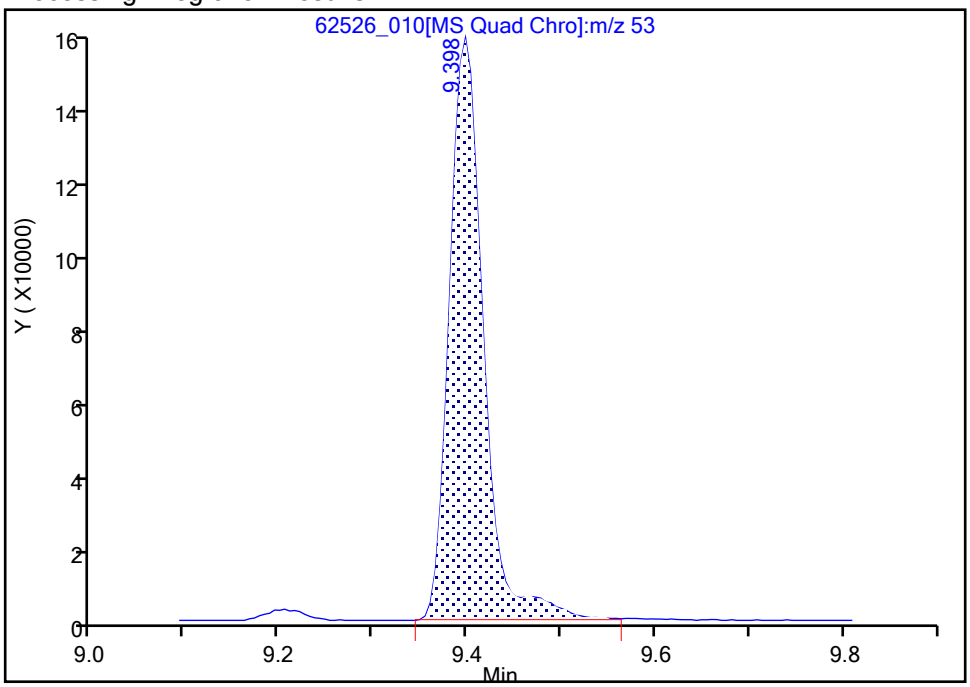
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_010.D				
Injection Date:	16-Oct-2024 20:32:36	Instrument ID:	CHAM.i		
Lims ID:	icis				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

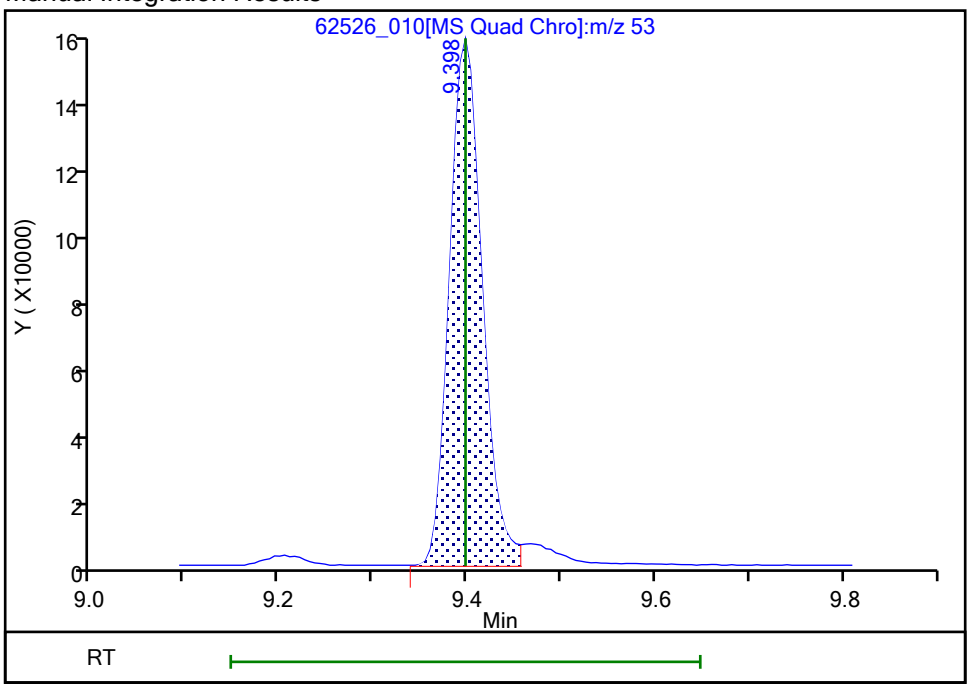
Processing Integration Results

RT: 9.40
Area: 381743
Amount: 10.428576
Amount Units: ppb v/v



Manual Integration Results

RT: 9.40
Area: 365053
Amount: 10.295779
Amount Units: ppb v/v



Reviewer: F7XK, 17-Oct-2024 10:45:14 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_011.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 16-Oct-2024 21:23:51 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-011
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:31 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: F7XK Date: 17-Oct-2024 10:47:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.294	4.294	0.000	98	356176	15.0	15.3	
2 Dichlorodifluoromethane	85	4.396	4.396	0.000	99	1754191	15.0	15.9	
3 Chlorodifluoromethane	51	4.444	4.444	0.000	97	870661	15.0	15.9	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.765	4.770	-0.005	97	1829360	15.0	15.4	
5 Chloromethane	50	4.893	4.893	0.000	99	476912	15.0	15.8	
7 Butane	43	5.198	5.198	0.000	98	1033419	15.0	15.6	
6 Vinyl chloride	62	5.198	5.198	0.000	87	817429	15.0	15.1	
8 Butadiene	54	5.316	5.316	0.000	90	592152	15.0	14.5	
9 Bromomethane	94	6.065	6.065	0.000	99	704279	15.0	15.4	
10 Chloroethane	64	6.343	6.343	0.000	100	358412	15.0	15.5	
12 2-Methylbutane	43	6.552	6.552	0.000	89	650301	15.0	15.3	
13 Vinyl bromide	106	6.776	6.776	0.000	99	738547	15.0	15.5	
14 Trichlorofluoromethane	101	6.937	6.937	0.000	99	2013230	15.0	15.4	
15 Pentane	43	7.146	7.145	0.001	95	1040761	15.0	15.8	
16 Ethanol	45	7.338	7.343	-0.005	98	314936	30.0	21.0	
18 Ethyl ether	59	7.563	7.568	-0.005	90	507714	15.0	15.6	
19 Acrolein	56	7.830	7.830	0.000	96	310351	17.6	18.1	
20 1,1-Dichloroethene	96	8.023	8.023	0.000	98	837656	15.0	15.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.060	8.060	0.000	96	1807358	15.0	15.4	
22 Acetone	43	8.109	8.114	-0.005	97	1053436	15.0	15.2	
23 Isopropyl alcohol	45	8.419	8.419	0.000	100	1242246	17.4	18.1	
24 Carbon disulfide	76	8.424	8.429	-0.005	99	2408728	15.0	16.0	
25 Acetonitrile	41	8.638	8.643	-0.005	99	539139	15.0	15.7	
26 3-Chloro-1-propene	41	8.734	8.734	0.000	98	895208	15.0	15.2	
27 Methylene Chloride	49	8.975	8.975	0.000	90	890829	15.0	15.8	
28 2-Methyl-2-propanol	59	9.195	9.205	-0.010	100	1592464	15.0	15.7	
29 Acrylonitrile	53	9.398	9.398	0.000	95	573046	15.0	16.1	M
30 trans-1,2-Dichloroethene	61	9.473	9.473	0.000	80	1207355	15.0	15.4	
31 Methyl tert-butyl ether	73	9.473	9.473	0.000	96	2367921	15.0	15.8	
32 Hexane	57	9.981	9.981	0.000	92	1239338	15.0	15.5	
S 35 1,2-Dichloroethene, Total	61				0		30.0	30.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.259	10.259	0.000	100	1536271	15.0	15.4	
34 Vinyl acetate	43	10.265	10.264	0.000	99	1983552	17.1	17.7	
36 2-Butanone (MEK)	72	11.249	11.249	0.000	98	437262	15.0	16.1	
37 cis-1,2-Dichloroethene	96	11.270	11.270	0.000	93	960410	15.0	15.2	
38 Ethyl acetate	88	11.318	11.324	-0.006	99	79043	15.0	15.5	
* 39 Chlorobromomethane	128	11.688	11.687	0.001	86	409926	10.0	10.0	
40 Tetrahydrofuran	42	11.720	11.720	0.000	89	841849	15.0	15.5	
41 Chloroform	83	11.869	11.869	0.000	96	1867213	15.0	15.4	
42 1,1,1-Trichloroethane	97	12.169	12.164	0.005	98	1866023	15.0	15.7	
43 Cyclohexane	84	12.297	12.292	0.005	98	1149311	15.0	15.7	
44 Carbon tetrachloride	117	12.442	12.442	0.000	98	1932640	15.0	16.1	
45 Benzene	78	12.800	12.800	0.000	95	2653361	15.0	15.5	
46 1,2-Dichloroethane	62	12.886	12.886	0.000	93	1160734	15.0	15.4	
47 Isooctane	57	13.004	13.003	0.001	99	3975196	15.0	15.7	
48 n-Heptane	43	13.314	13.314	0.000	90	1359626	15.0	15.6	
* 49 1,4-Difluorobenzene	114	13.539	13.544	-0.005	94	1901993	10.0	10.0	
50 n-Butanol	56	13.785	13.790	-0.005	87	571608	15.0	15.7	
51 Trichloroethene	95	13.972	13.972	0.000	98	1242144	15.0	15.4	
53 1,2-Dichloropropane	63	14.443	14.443	0.000	92	992449	15.0	15.7	
54 Methyl methacrylate	69	14.523	14.523	0.000	98	980434	15.0	16.4	
55 1,4-Dioxane	88	14.566	14.571	-0.005	92	536281	15.0	15.3	
57 Dibromomethane	174	14.603	14.603	0.000	97	1144780	15.0	15.4	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	2031754	15.0	15.9	
59 cis-1,3-Dichloropropene	75	15.716	15.716	0.000	91	1749717	15.0	16.2	
61 4-Methyl-2-pentanone (MIBK)	43	15.983	15.989	-0.006	96	1831376	15.0	16.4	
62 Toluene	92	16.353	16.352	0.001	94	1921422	15.0	15.6	
A 63 Toluene Range	1	16.363	(16.283-16.443)		0	7603668	NC	NC	
64 n-Octane	43	16.583	16.582	0.001	91	1899862	15.0	15.8	
A 65 C8 Range	1	16.588	(16.513-16.663)		0	7827027	NC	NC	
66 trans-1,3-Dichloropropene	75	16.781	16.780	0.001	96	1410921	15.0	16.2	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	97	1004907	15.0	15.6	
68 Tetrachloroethene	166	17.342	17.342	0.000	96	1563509	15.0	15.3	
69 2-Hexanone	43	17.567	17.572	-0.005	96	1774413	15.0	16.7	
70 Chlorodibromomethane	129	17.893	17.893	0.000	98	2035801	15.0	16.3	
71 Ethylene Dibromide	107	18.134	18.134	0.000	98	1863321	15.0	15.7	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	86	1736300	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	94	2593865	15.0	15.3	
75 Ethylbenzene	91	19.290	19.289	0.001	98	4257524	15.0	15.7	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	3265616	30.0	31.5	
77 n-Nonane	57	19.600	19.600	0.000	86	1960337	15.0	15.7	
S 80 Xylenes, Total	106				0		45.0	47.2	
78 o-Xylene	106	20.322	20.322	0.000	99	1575413	15.0	15.8	
79 Styrene	104	20.354	20.354	0.000	99	2638558	15.0	16.1	
81 Bromoform	173	20.697	20.696	0.001	96	1772444	15.0	16.8	
82 Isopropylbenzene	105	20.991	20.991	0.000	98	4658205	15.0	15.8	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	2630816	15.0	15.6	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	1993940	15.0	15.8	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	5677597	15.0	15.7	
86 2-Chlorotoluene	91	21.836	21.836	0.000	95	3626026	15.0	15.3	M
87 4-Ethyltoluene	105	21.879	21.879	0.000	99	4613643	15.0	15.9	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	3909275	15.0	15.9	
89 n-Decane	57	21.991	21.991	0.000	93	2530757	15.0	16.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	88	2110636	15.0	16.6	
91 tert-Butylbenzene	119	22.446	22.446	0.000	93	3707927	15.0	15.8	
92 1,2,4-Trimethylbenzene	105	22.532	22.531	0.001	98	3918119	15.0	15.8	
93 sec-Butylbenzene	105	22.767	22.767	0.000	98	5688590	15.0	15.9	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	98	2749026	15.0	15.5	
95 4-Isopropyltoluene	119	22.976	22.975	0.001	97	4821801	15.0	16.2	
96 1,4-Dichlorobenzene	146	23.083	23.082	0.001	94	2751865	15.0	15.3	
97 Benzyl chloride	91	23.238	23.238	0.000	99	3866402	15.0	17.1	
98 n-Butylbenzene	91	23.543	23.543	0.001	99	4791135	15.0	16.2	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	96	2665740	15.0	15.5	
100 Undecane	57	23.682	23.682	0.000	93	2884637	15.0	15.7	
101 Dodecane	57	25.303	25.303	0.000	98	2919941	15.0	16.9	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	2447740	17.6	19.4	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	2069879	16.9	18.0	
104 Naphthalene	128	26.581	26.581	0.000	99	5527109	17.8	21.0	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	2344753	17.5	19.3	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL6w_00238	Amount Added: 150.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

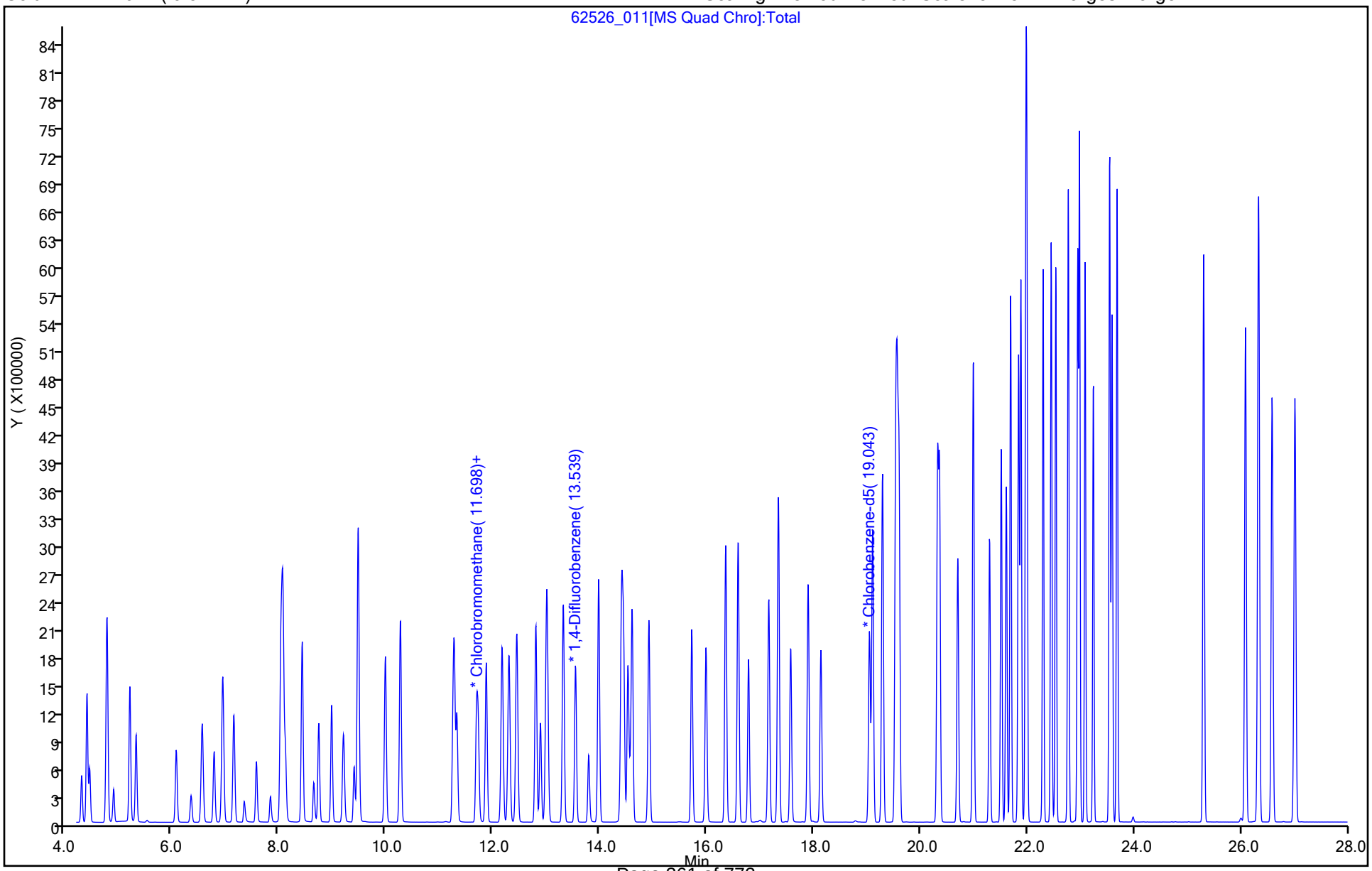
Report Date: 17-Oct-2024 13:07:31 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_011.D

Injection Date:	16-Oct-2024 21:23:51	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

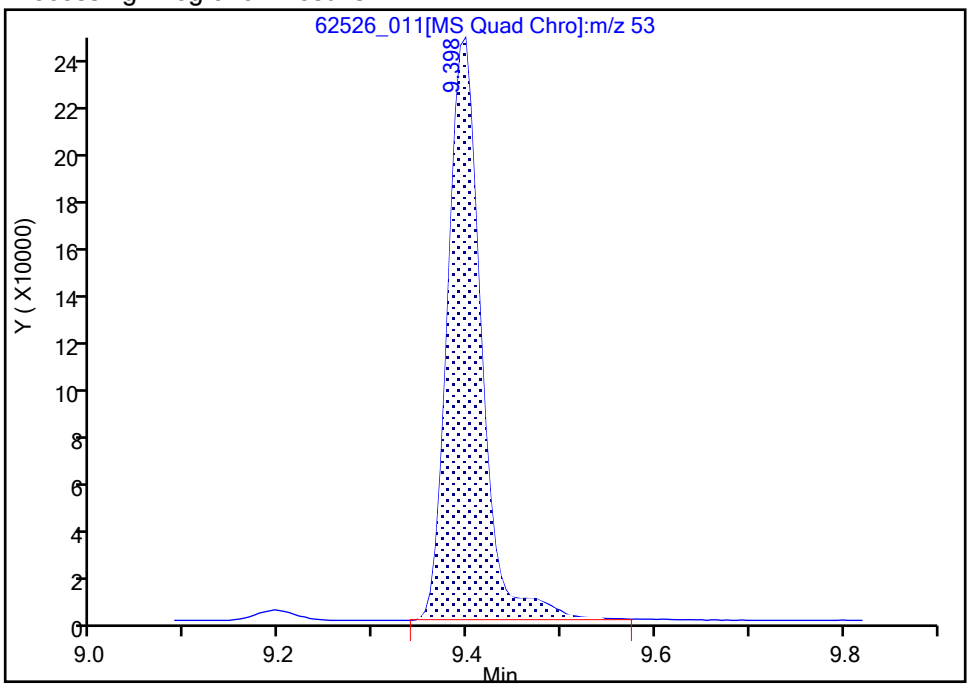
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_011.D				
Injection Date:	16-Oct-2024 21:23:51	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

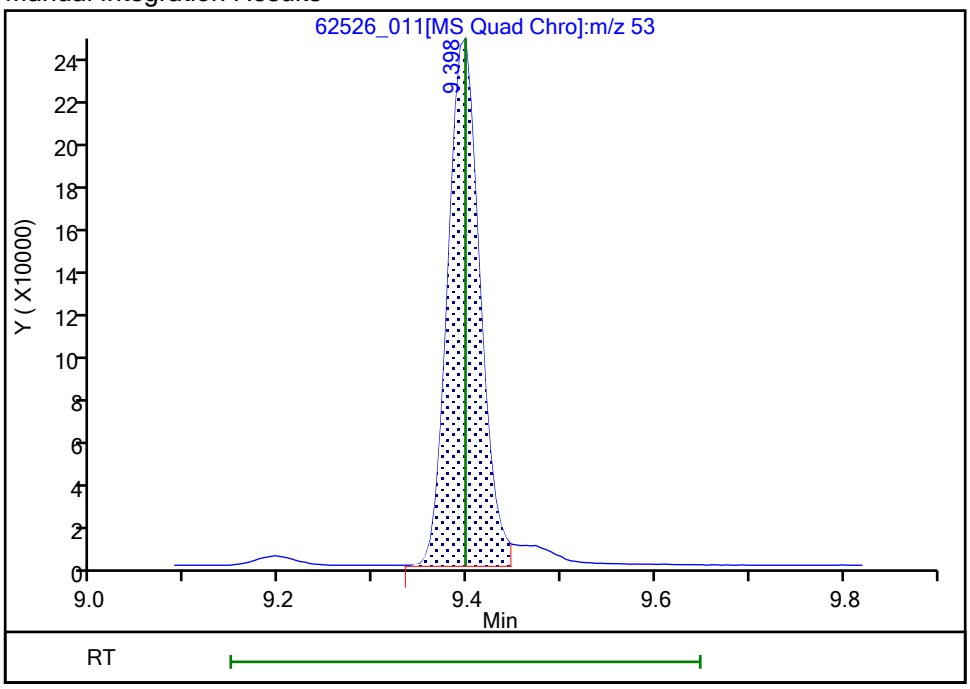
Processing Integration Results

RT: 9.40
Area: 602393
Amount: 16.468808
Amount Units: ppb v/v



Manual Integration Results

RT: 9.40
Area: 573046
Amount: 16.051204
Amount Units: ppb v/v



Reviewer: F7XK, 17-Oct-2024 10:46:25 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

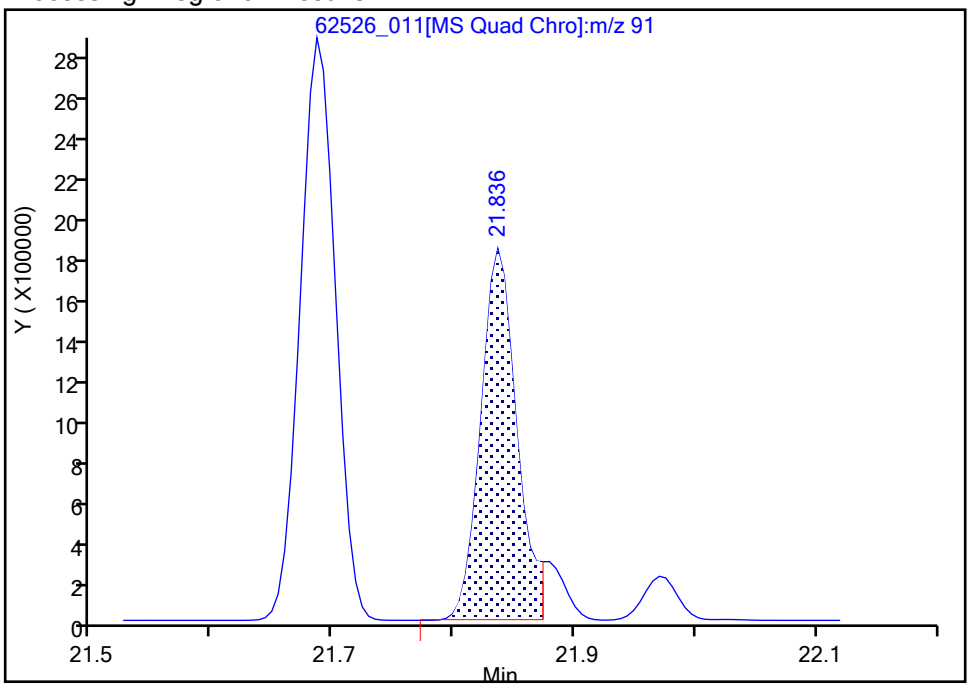
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_011.D				
Injection Date:	16-Oct-2024 21:23:51	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

86 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

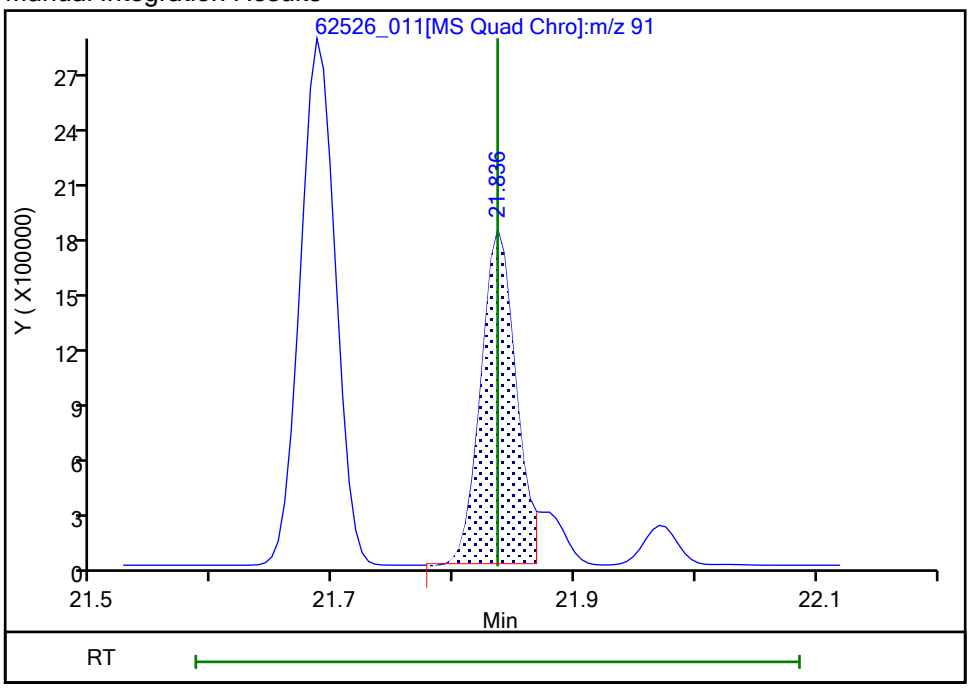
Processing Integration Results

RT: 21.84
Area: 3723869
Amount: 21.068981
Amount Units: ppb v/v



Manual Integration Results

RT: 21.84
Area: 3626026
Amount: 15.269120
Amount Units: ppb v/v



Reviewer: F7XK, 17-Oct-2024 10:46:57 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_014.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 16-Oct-2024 23:57:17 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-014
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:33 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: BKZ7 Date: 17-Oct-2024 13:05:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.294	4.294	0.000	98	462423	20.0	19.8	
2 Dichlorodifluoromethane	85	4.390	4.396	-0.006	99	2246001	20.0	20.3	
3 Chlorodifluoromethane	51	4.444	4.444	0.000	96	1131470	20.0	20.6	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.765	4.770	-0.005	98	2396856	20.0	20.1	
5 Chloromethane	50	4.893	4.893	0.000	99	623305	20.0	20.6	
7 Butane	43	5.193	5.198	-0.005	99	1367285	20.0	20.6	
6 Vinyl chloride	62	5.198	5.198	0.000	100	1076423	20.0	19.9	
8 Butadiene	54	5.311	5.316	-0.006	90	785900	20.0	19.1	
9 Bromomethane	94	6.065	6.065	0.000	99	923851	20.0	20.1	
10 Chloroethane	64	6.343	6.343	0.000	99	466957	20.0	20.1	
12 2-Methylbutane	43	6.552	6.552	0.000	89	842412	20.0	19.7	
13 Vinyl bromide	106	6.771	6.776	-0.005	99	972325	20.0	20.3	
14 Trichlorofluoromethane	101	6.937	6.937	0.000	99	2650801	20.0	20.2	
15 Pentane	43	7.140	7.145	-0.005	95	1360578	20.0	20.6	
16 Ethanol	45	7.333	7.343	-0.010	98	644551	40.0	42.8	
18 Ethyl ether	59	7.563	7.568	-0.005	90	669738	20.0	20.4	
19 Acrolein	56	7.825	7.830	-0.005	96	408218	23.4	23.7	
20 1,1-Dichloroethene	96	8.023	8.023	0.000	98	1101926	20.0	19.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.060	8.060	0.000	96	2386173	20.0	20.3	
22 Acetone	43	8.108	8.114	-0.006	97	1384370	20.0	19.9	
23 Isopropyl alcohol	45	8.413	8.419	-0.006	100	1600980	23.2	23.2	
24 Carbon disulfide	76	8.424	8.429	-0.005	99	3173820	20.0	20.9	
25 Acetonitrile	41	8.638	8.643	-0.005	98	691788	20.0	20.1	
26 3-Chloro-1-propene	41	8.734	8.734	0.000	98	1169668	20.0	19.8	
27 Methylene Chloride	49	8.975	8.975	0.000	90	1172392	20.0	20.8	
28 2-Methyl-2-propanol	59	9.189	9.205	-0.016	100	2071788	20.0	20.4	
29 Acrylonitrile	53	9.392	9.398	-0.006	95	768548	20.0	21.4	M
30 trans-1,2-Dichloroethene	61	9.473	9.473	0.000	97	1601386	20.0	20.3	
31 Methyl tert-butyl ether	73	9.467	9.473	-0.006	97	3130495	20.0	20.9	
32 Hexane	57	9.981	9.981	0.000	91	1635635	20.0	20.3	
S 35 1,2-Dichloroethene, Total	61				0		40.0	40.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.259	10.259	0.000	100	2029971	20.0	20.3	
34 Vinyl acetate	43	10.264	10.264	0.000	99	2676891	22.8	23.8	
36 2-Butanone (MEK)	72	11.243	11.249	-0.006	98	582755	20.0	21.4	
37 cis-1,2-Dichloroethene	96	11.270	11.270	0.000	93	1275444	20.0	20.1	
38 Ethyl acetate	88	11.318	11.324	-0.006	99	104606	20.0	20.5	
* 39 Chlorobromomethane	128	11.687	11.687	0.000	87	411496	10.0	10.0	
40 Tetrahydrofuran	42	11.714	11.720	-0.006	89	1113405	20.0	20.4	
41 Chloroform	83	11.869	11.869	0.000	96	2470069	20.0	20.4	
42 1,1,1-Trichloroethane	97	12.164	12.164	0.000	98	2467931	20.0	20.8	
43 Cyclohexane	84	12.297	12.292	0.005	98	1522032	20.0	20.8	
44 Carbon tetrachloride	117	12.442	12.442	0.000	98	2561681	20.0	21.4	
45 Benzene	78	12.800	12.800	0.000	95	3502504	20.0	20.4	
46 1,2-Dichloroethane	62	12.886	12.886	0.000	93	1543798	20.0	20.5	
47 Isooctane	57	13.003	13.003	0.000	99	5233775	20.0	20.7	
48 n-Heptane	43	13.314	13.314	0.000	89	1802736	20.0	20.6	
* 49 1,4-Difluorobenzene	114	13.544	13.544	0.000	94	1903652	10.0	10.0	
50 n-Butanol	56	13.785	13.790	-0.005	87	745569	20.0	20.5	
51 Trichloroethene	95	13.977	13.972	0.005	98	1655162	20.0	20.5	
53 1,2-Dichloropropane	63	14.443	14.443	0.000	92	1320515	20.0	20.9	
54 Methyl methacrylate	69	14.523	14.523	0.000	98	1309385	20.0	21.9	
55 1,4-Dioxane	88	14.566	14.571	-0.005	92	685185	20.0	19.5	
57 Dibromomethane	174	14.603	14.603	0.000	97	1527992	20.0	20.5	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	2701948	20.0	21.2	
59 cis-1,3-Dichloropropene	75	15.716	15.716	0.000	91	2331764	20.0	21.6	
61 4-Methyl-2-pentanone (MIBK)	43	15.983	15.989	-0.006	95	2423966	20.0	21.7	
62 Toluene	92	16.352	16.352	0.000	94	2549293	20.0	20.7	
A 63 Toluene Range	1	16.363	(16.283-16.443)		0	10090902	NC	NC	
64 n-Octane	43	16.588	16.582	0.006	89	2526133	20.0	20.9	
A 65 C8 Range	1	16.588	(16.513-16.663)		0	10393031	NC	NC	
66 trans-1,3-Dichloropropene	75	16.780	16.780	0.000	96	1895581	20.0	21.8	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	97	1335720	20.0	20.7	
68 Tetrachloroethene	166	17.342	17.342	0.000	97	2071422	20.0	20.2	
69 2-Hexanone	43	17.567	17.572	-0.005	96	2354471	20.0	22.1	
70 Chlorodibromomethane	129	17.899	17.893	0.006	98	2719254	20.0	21.8	
71 Ethylene Dibromide	107	18.134	18.134	0.000	99	2484430	20.0	20.9	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	86	1736410	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	94	3443738	20.0	20.3	
75 Ethylbenzene	91	19.289	19.289	0.000	98	5604266	20.0	20.6	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	4345934	40.0	41.9	
77 n-Nonane	57	19.600	19.600	0.000	86	2605134	20.0	20.8	
S 80 Xylenes, Total	106				0		60.0	62.9	
78 o-Xylene	106	20.322	20.322	0.000	99	2101286	20.0	21.1	
79 Styrene	104	20.354	20.354	0.000	99	3515984	20.0	21.5	
81 Bromoform	173	20.696	20.696	0.000	96	2374567	20.0	22.5	
82 Isopropylbenzene	105	20.991	20.991	0.000	98	6158205	20.0	20.9	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	3495597	20.0	20.7	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	2649954	20.0	21.0	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	7438496	20.0	20.6	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	4932932	20.0	20.8	
87 4-Ethyltoluene	105	21.879	21.879	0.000	98	6057692	20.0	20.8	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	5132321	20.0	20.8	
89 n-Decane	57	21.991	21.991	0.000	93	3354129	20.0	21.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	87	2822276	20.0	22.2	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	4861613	20.0	20.7	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	5176986	20.0	20.9	
93 sec-Butylbenzene	105	22.767	22.767	0.000	98	7391140	20.0	20.6	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	98	3684397	20.0	20.8	
95 4-Isopropyltoluene	119	22.975	22.975	0.000	96	6278363	20.0	21.1	
96 1,4-Dichlorobenzene	146	23.082	23.082	0.000	94	3689816	20.0	20.6	
97 Benzyl chloride	91	23.238	23.238	0.000	99	5095037	20.0	22.5	
98 n-Butylbenzene	91	23.543	23.543	0.001	99	6295298	20.0	21.2	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	3541932	20.0	20.5	
100 Undecane	57	23.682	23.682	0.000	93	3828689	20.0	20.9	
101 Dodecane	57	25.303	25.303	0.000	98	3954732	20.0	22.9	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	3388761	23.5	26.8	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	2774832	22.5	24.2	
104 Naphthalene	128	26.587	26.581	0.006	99	7609920	23.8	29.0	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	3201781	23.3	26.3	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL6w_00238	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

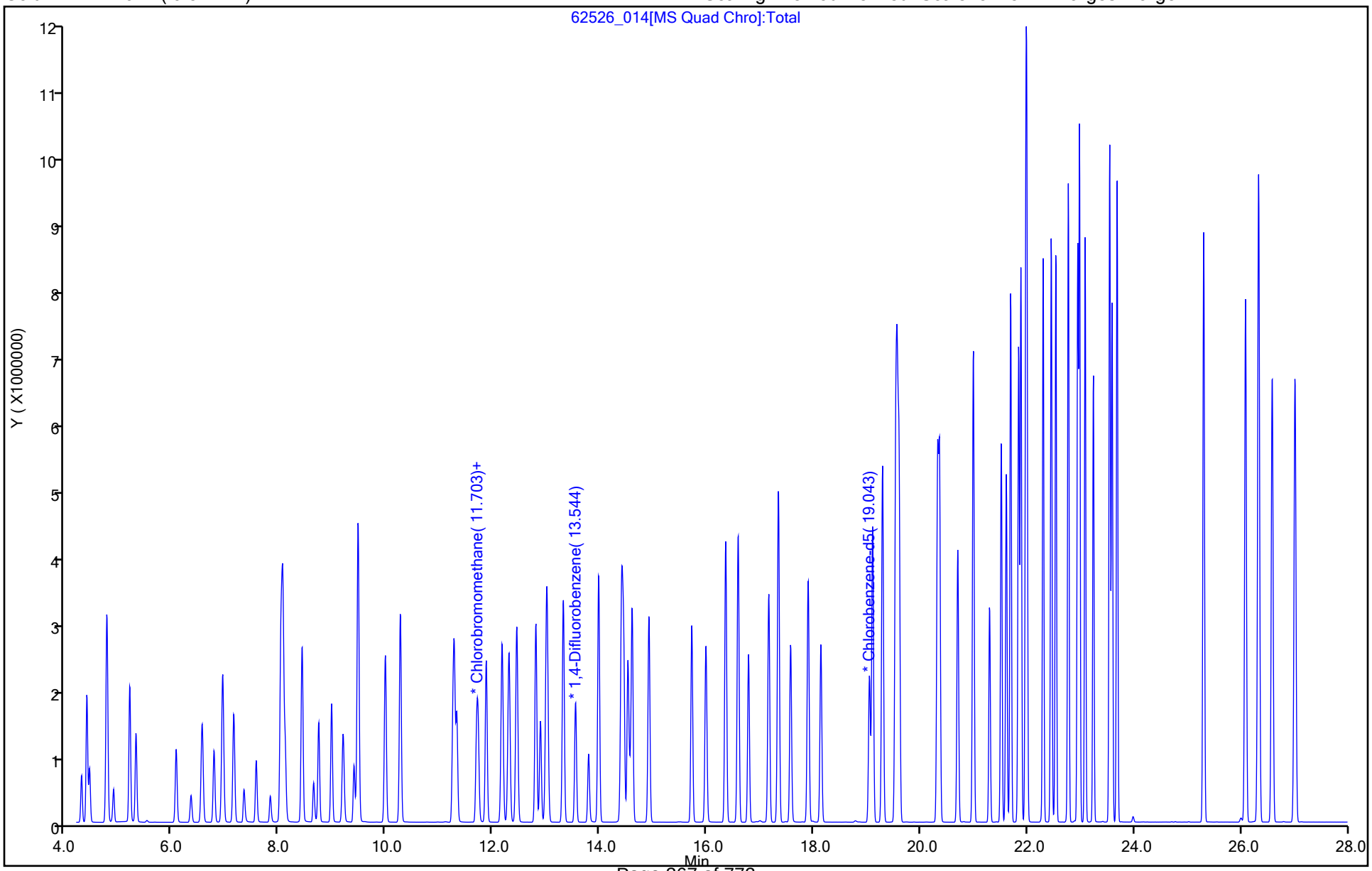
Report Date: 17-Oct-2024 13:07:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_014.D

Injection Date:	16-Oct-2024 23:57:17	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	14
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

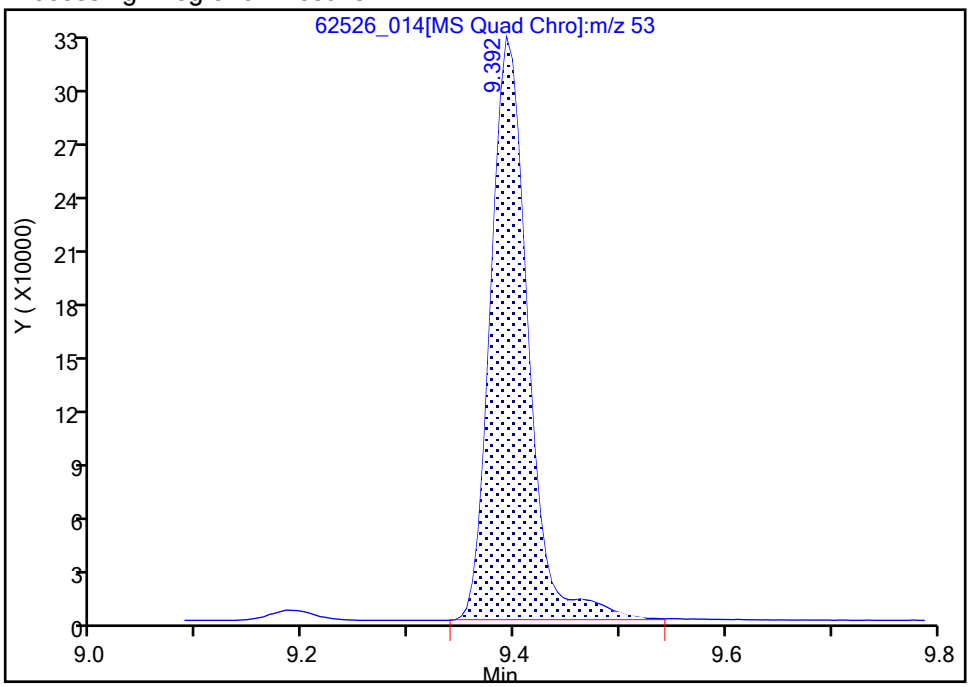
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_014.D				
Injection Date:	16-Oct-2024 23:57:17	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

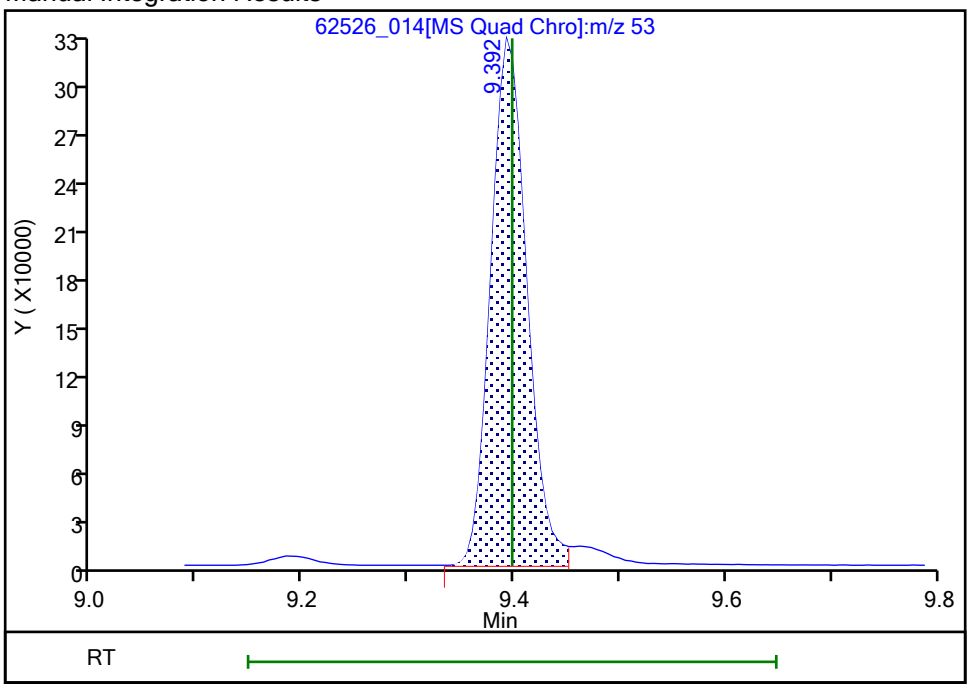
Processing Integration Results

RT: 9.39
Area: 798570
Amount: 21.044598
Amount Units: ppb v/v



Manual Integration Results

RT: 9.39
Area: 768548
Amount: 21.445145
Amount Units: ppb v/v



Reviewer: F7XK, 17-Oct-2024 11:56:40 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_016.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Oct-2024 01:40:06 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-016
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:35 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: F7XK Date: 17-Oct-2024 14:47:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.294	4.294	0.000	98	1001035	40.0	40.9	
2 Dichlorodifluoromethane	85	4.390	4.396	-0.006	99	4798345	40.0	41.2	
3 Chlorodifluoromethane	51	4.444	4.444	0.000	96	2413553	40.0	41.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.765	4.770	-0.005	97	5083602	40.0	40.6	
5 Chloromethane	50	4.893	4.893	0.000	99	1331462	40.0	41.8	
7 Butane	43	5.193	5.198	-0.005	98	2659936	40.0	38.2	
6 Vinyl chloride	62	5.198	5.198	0.000	86	2090233	40.0	36.7	
8 Butadiene	54	5.311	5.316	-0.005	90	1521045	40.0	35.2	
9 Bromomethane	94	6.065	6.065	0.000	99	1949001	40.0	40.4	
10 Chloroethane	64	6.343	6.343	0.000	100	994366	40.0	40.8	
12 2-Methylbutane	43	6.552	6.552	0.000	89	1834847	40.0	40.9	
13 Vinyl bromide	106	6.771	6.776	-0.005	98	2062440	40.0	41.1	
14 Trichlorofluoromethane	101	6.937	6.937	0.000	99	5561589	40.0	40.3	
15 Pentane	43	7.140	7.145	-0.005	97	2949512	40.0	42.4	
16 Ethanol	45	7.333	7.343	-0.010	98	1385320	80.0	87.7	
18 Ethyl ether	59	7.558	7.568	-0.010	90	1448860	40.0	42.1	
19 Acrolein	56	7.825	7.830	-0.005	96	901933	46.8	49.8	
20 1,1-Dichloroethene	96	8.023	8.023	0.000	98	2338221	40.0	40.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.060	8.060	0.000	96	4972122	40.0	40.2	
22 Acetone	43	8.103	8.114	-0.011	97	2951400	40.0	40.3	
23 Isopropyl alcohol	45	8.403	8.419	-0.016	100	3269605	46.4	45.2	
24 Carbon disulfide	76	8.424	8.429	-0.005	99	6494736	40.0	40.8	
25 Acetonitrile	41	8.633	8.643	-0.010	99	1477709	40.0	40.8	
26 3-Chloro-1-propene	41	8.734	8.734	0.000	97	2441821	40.0	39.3	
27 Methylene Chloride	49	8.975	8.975	0.000	89	2389101	40.0	40.3	
28 2-Methyl-2-propanol	59	9.184	9.205	-0.021	100	4012083	40.0	37.6	
29 Acrylonitrile	53	9.393	9.398	-0.006	95	1583665	40.0	42.1	M
30 trans-1,2-Dichloroethene	61	9.473	9.473	0.000	96	3198174	40.0	38.7	
31 Methyl tert-butyl ether	73	9.462	9.473	-0.011	97	6279392	40.0	39.8	
32 Hexane	57	9.981	9.981	0.000	91	3320060	40.0	39.3	
S 35 1,2-Dichloroethene, Total	61				0		80.0	77.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.259	10.259	0.000	100	4034162	40.0	38.5	
34 Vinyl acetate	43	10.265	10.264	0.001	99	5410224	45.6	45.8	
36 2-Butanone (MEK)	72	11.244	11.249	-0.005	98	1203175	40.0	42.1	
37 cis-1,2-Dichloroethene	96	11.270	11.270	0.000	95	2596447	40.0	39.0	
38 Ethyl acetate	88	11.313	11.324	-0.011	99	217650	40.0	40.6	
* 39 Chlorobromomethane	128	11.688	11.687	0.001	95	432137	10.0	10.0	
40 Tetrahydrofuran	42	11.709	11.720	-0.011	89	2269261	40.0	40.2	
41 Chloroform	83	11.869	11.869	0.000	96	4964269	40.0	39.0	
42 1,1,1-Trichloroethane	97	12.169	12.164	0.005	98	4999861	40.0	40.6	
43 Cyclohexane	84	12.292	12.292	0.000	98	3110204	40.0	40.9	
44 Carbon tetrachloride	117	12.442	12.442	0.000	98	5227640	40.0	42.1	
45 Benzene	78	12.800	12.800	0.000	96	6997870	40.0	39.3	
46 1,2-Dichloroethane	62	12.886	12.886	0.000	93	3097280	40.0	39.7	
47 Isooctane	57	13.004	13.003	0.001	99	10372991	40.0	39.6	
48 n-Heptane	43	13.314	13.314	0.000	89	3646294	40.0	40.3	
* 49 1,4-Difluorobenzene	114	13.544	13.544	0.000	94	1973082	10.0	10.0	
50 n-Butanol	56	13.779	13.790	-0.011	86	1488669	40.0	39.4	
51 Trichloroethene	95	13.972	13.972	0.000	98	3357856	40.0	40.1	
53 1,2-Dichloropropane	63	14.443	14.443	0.000	92	2667780	40.0	40.7	
54 Methyl methacrylate	69	14.523	14.523	0.000	98	2674855	40.0	43.2	
55 1,4-Dioxane	88	14.560	14.571	-0.011	91	1366851	40.0	37.5	
57 Dibromomethane	174	14.603	14.603	0.000	97	3090584	40.0	40.0	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	5438264	40.0	41.1	
59 cis-1,3-Dichloropropene	75	15.716	15.716	0.000	91	4748761	40.0	42.5	
61 4-Methyl-2-pentanone (MIBK)	43	15.978	15.989	-0.011	95	4865362	40.0	42.1	
62 Toluene	92	16.353	16.352	0.001	94	5067451	40.0	39.8	
A 63 Toluene Range	1	16.363	(16.283-16.443)		0	19933448	NC	NC	
64 n-Octane	43	16.588	16.582	0.006	91	4981652	40.0	39.8	
A 65 C8 Range	1	16.588	(16.513-16.663)		0	20720346	NC	NC	
66 trans-1,3-Dichloropropene	75	16.781	16.780	0.001	96	3847853	40.0	42.7	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	97	2718773	40.0	40.8	
68 Tetrachloroethene	166	17.342	17.342	0.000	96	4223562	40.0	39.8	
69 2-Hexanone	43	17.567	17.572	-0.005	97	4744328	40.0	43.1	
70 Chlorodibromomethane	129	17.899	17.893	0.006	97	5525935	40.0	42.9	
71 Ethylene Dibromide	107	18.134	18.134	0.000	98	4991534	40.0	40.7	
* 73 Chlorobenzene-d5	117	19.044	19.043	0.001	86	1795927	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	93	6826913	40.0	38.9	
75 Ethylbenzene	91	19.290	19.289	0.001	98	10788207	40.0	38.4	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	8444971	80.0	78.6	
77 n-Nonane	57	19.600	19.600	0.000	85	5107580	40.0	39.5	
S 80 Xylenes, Total	106				0		120.0	119.1	
78 o-Xylene	106	20.322	20.322	0.000	99	4172455	40.0	40.4	
79 Styrene	104	20.354	20.354	0.000	99	6922522	40.0	40.9	
81 Bromoform	173	20.697	20.696	0.001	95	4896522	40.0	44.9	
82 Isopropylbenzene	105	20.991	20.991	0.000	97	11561856	40.0	37.9	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	6837680	40.0	39.1	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	98	5277602	40.0	40.5	
85 N-Propylbenzene	91	21.692	21.686	0.006	98	13521261	40.0	36.1	
86 2-Chlorotoluene	91	21.836	21.836	0.000	97	9415322	40.0	38.3	
87 4-Ethyltoluene	105	21.879	21.879	0.000	96	11225276	40.0	37.3	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	94	9544940	40.0	37.5	
89 n-Decane	57	21.991	21.991	0.000	93	6339825	40.0	39.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	86	5539621	40.0	42.1	
91 tert-Butylbenzene	119	22.451	22.446	0.005	91	9223712	40.0	38.0	
92 1,2,4-Trimethylbenzene	105	22.532	22.531	0.001	98	9730994	40.0	37.9	
93 sec-Butylbenzene	105	22.767	22.767	0.000	97	13155949	40.0	35.5	
94 1,3-Dichlorobenzene	146	22.944	22.943	0.001	99	7022067	40.0	38.2	
95 4-Isopropyltoluene	119	22.976	22.975	0.001	94	11308034	40.0	36.7	
96 1,4-Dichlorobenzene	146	23.083	23.082	0.001	92	7069066	40.0	38.1	
97 Benzyl chloride	91	23.238	23.238	0.000	99	9791888	40.0	41.8	
98 n-Butylbenzene	91	23.543	23.543	0.001	98	11332413	40.0	37.0	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	93	6771316	40.0	38.0	
100 Undecane	57	23.682	23.682	0.000	92	7290645	40.0	38.4	
101 Dodecane	57	25.303	25.303	0.000	97	7379620	40.0	41.3	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	95	6711757	46.9	51.3	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	99	5536946	45.0	46.7	
104 Naphthalene	128	26.587	26.581	0.006	99	14269899	47.6	52.5	
105 1,2,3-Trichlorobenzene	180	27.015	27.009	0.006	95	6404258	46.6	50.8	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL6w_00238	Amount Added: 400.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

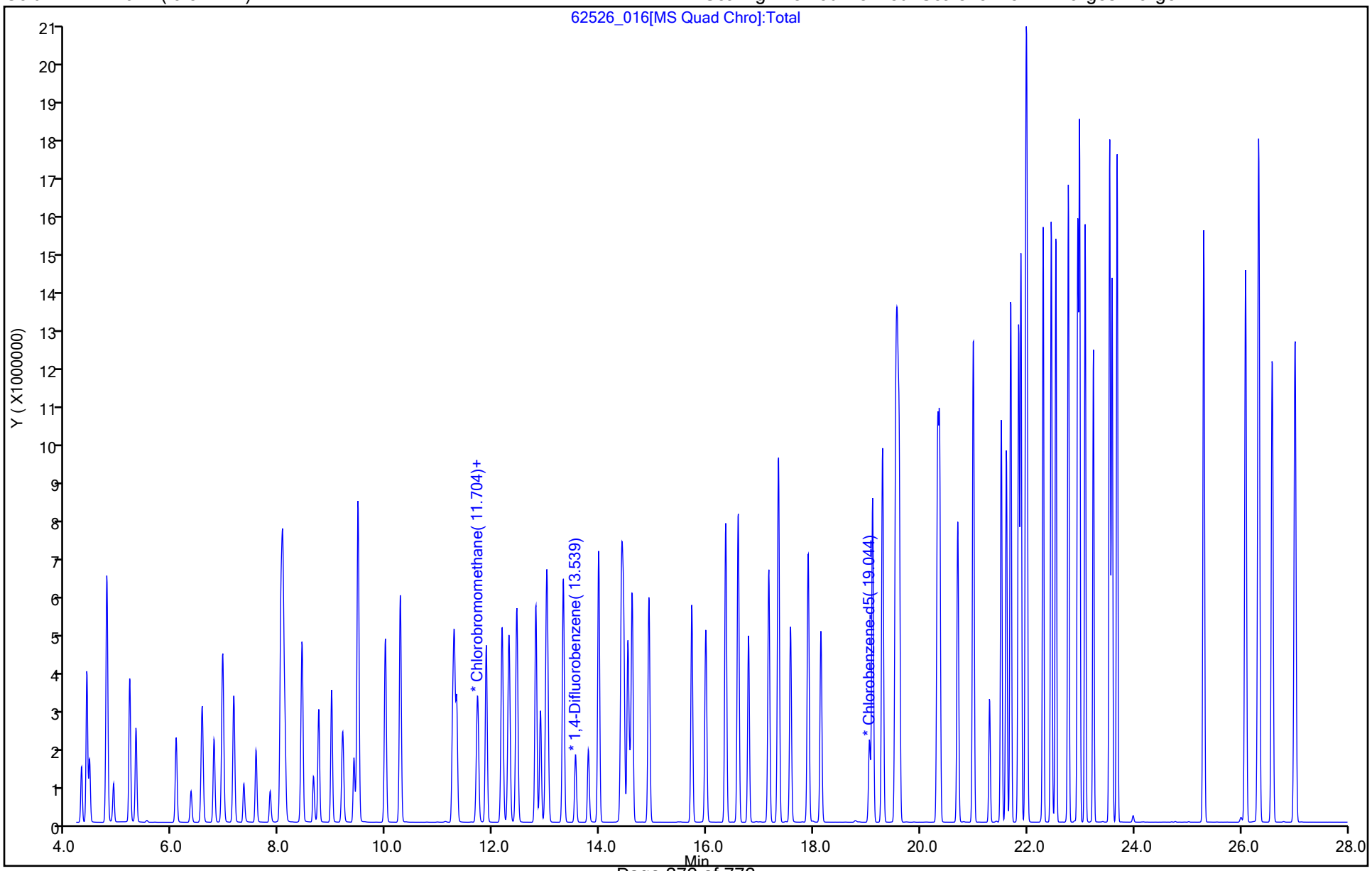
Report Date: 17-Oct-2024 13:07:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_016.D

Injection Date:	17-Oct-2024 01:40:06	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	16
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

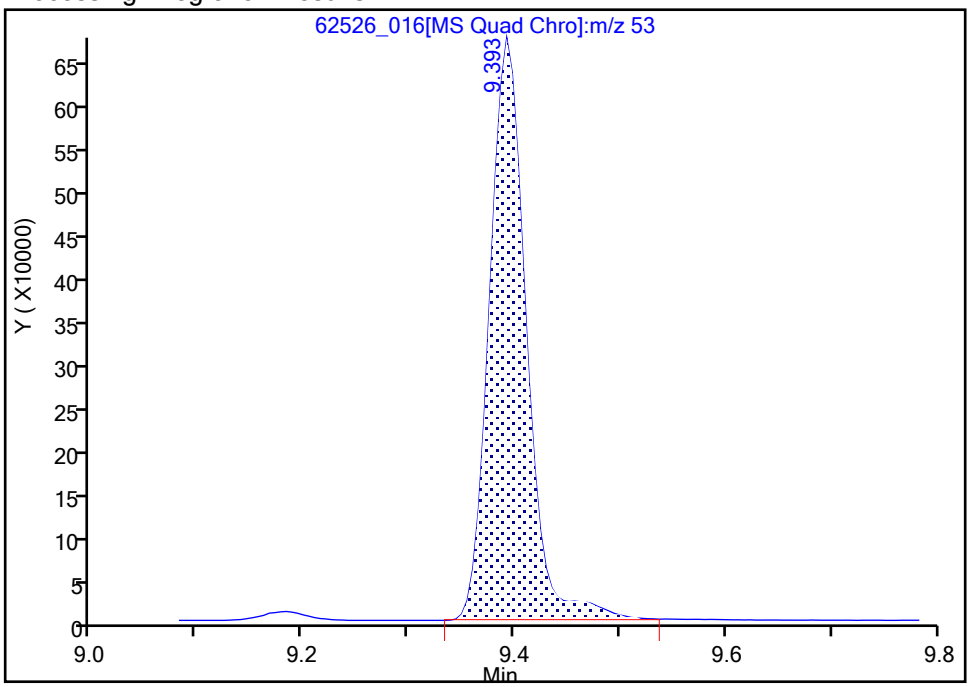
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_016.D				
Injection Date:	17-Oct-2024 01:40:06	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

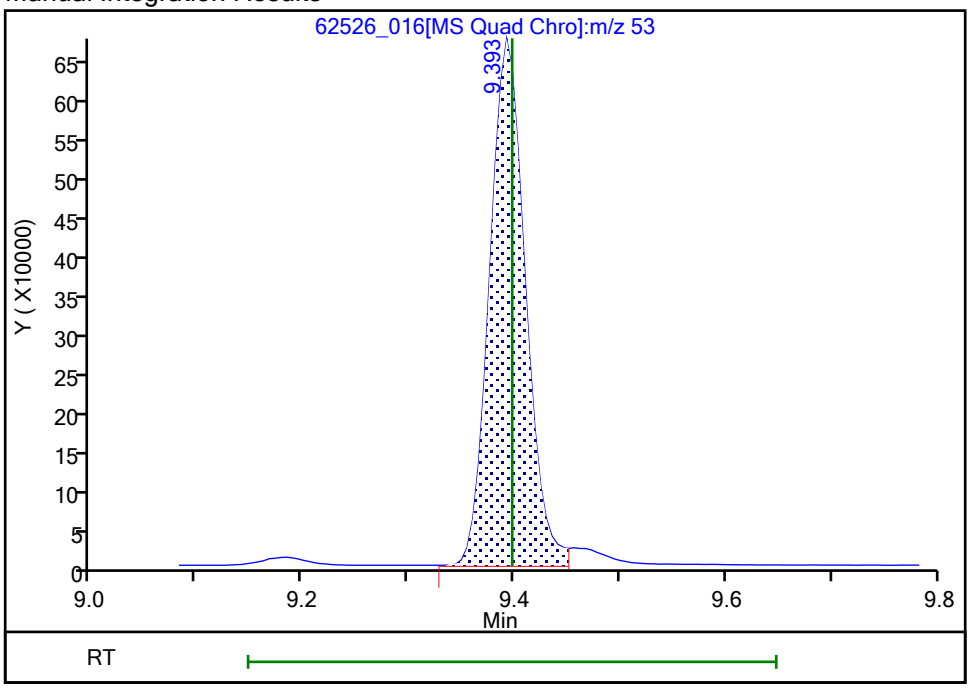
Processing Integration Results

RT: 9.39
Area: 1634744
Amount: 41.117056
Amount Units: ppb v/v



Manual Integration Results

RT: 9.39
Area: 1583665
Amount: 42.079006
Amount Units: ppb v/v



Reviewer: F7XK, 17-Oct-2024 13:45:54 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_024.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Oct-2024 08:54:12 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-024
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:37 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: BKZ7 Date: 17-Oct-2024 09:42:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.294	4.294	0.000	96	9863	0.4993	0.4521	
2 Dichlorodifluoromethane	85	4.390	4.396	-0.006	99	44493	0.4993	0.4290	
3 Chlorodifluoromethane	51	4.439	4.444	-0.006	96	22189	0.4993	0.4308	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.765	4.770	-0.005	92	46207	0.4993	0.4140	
5 Chloromethane	50	4.893	4.893	0.000	98	12232	0.4993	0.4310	
7 Butane	43	5.193	5.198	-0.005	98	27687	0.4993	0.4462	
6 Vinyl chloride	62	5.193	5.198	-0.005	85	21235	0.4993	0.4189	
8 Butadiene	54	5.311	5.316	-0.005	92	16353	0.4993	0.4252	
9 Bromomethane	94	6.065	6.065	0.000	98	17981	0.4993	0.4182	
10 Chloroethane	64	6.338	6.343	-0.005	98	8990	0.4993	0.4137	
12 2-Methylbutane	43	6.546	6.552	-0.006	89	16483	0.4993	0.4124	
13 Vinyl bromide	106	6.771	6.776	-0.005	97	18245	0.4993	0.4077	
14 Trichlorofluoromethane	101	6.932	6.937	-0.005	99	51308	0.4993	0.4173	
15 Pentane	43	7.145	7.145	0.000	95	26512	0.4993	0.4279	
16 Ethanol	45	7.370	7.343	0.027	97	11462	1.00	0.8140	
18 Ethyl ether	59	7.590	7.568	0.022	90	12240	0.4993	0.3993	
19 Acrolein	56	7.846	7.830	0.016	96	6995	0.5846	0.4333	
20 1,1-Dichloroethene	96	8.018	8.023	-0.005	97	20924	0.4993	0.4046	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.060	8.060	0.000	96	45829	0.4993	0.4160	
22 Acetone	43	8.141	8.114	0.027	98	27545	0.4993	0.4222	
23 Isopropyl alcohol	45	8.445	8.419	0.026	99	27954	0.5786	0.4334	
24 Carbon disulfide	76	8.424	8.429	-0.005	100	58989	0.4993	0.4158	
25 Acetonitrile	41	8.665	8.643	0.022	99	11783	0.4993	0.3650	
26 3-Chloro-1-propene	41	8.734	8.734	0.000	98	23417	0.4993	0.4229	
27 Methylene Chloride	49	8.975	8.975	0.000	90	22832	0.4993	0.4319	
28 2-Methyl-2-propanol	59	9.232	9.205	0.027	98	35382	0.4993	0.3719	
29 Acrylonitrile	53	9.403	9.398	0.005	93	13019	0.4993	0.3882	
30 trans-1,2-Dichloroethene	61	9.467	9.473	-0.006	99	29854	0.4993	0.4054	
31 Methyl tert-butyl ether	73	9.489	9.473	0.016	97	55529	0.4993	0.3953	
32 Hexane	57	9.976	9.981	-0.005	91	30540	0.4993	0.4057	
S 35 1,2-Dichloroethene, Total	61				0		1.00	0.8146	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.259	10.259	0.000	100	38270	0.4993	0.4096	
34 Vinyl acetate	43	10.275	10.264	0.011	99	40325	0.5687	0.3831	
36 2-Butanone (MEK)	72	11.270	11.249	0.021	99	9768	0.4993	0.3832	
37 cis-1,2-Dichloroethene	96	11.270	11.270	0.000	92	24281	0.4993	0.4092	
38 Ethyl acetate	88	11.340	11.324	0.016	99	1548	0.4993	0.3241	
* 39 Chlorobromomethane	128	11.687	11.687	0.000	86	385107	10.0	10.0	
40 Tetrahydrofuran	42	11.741	11.720	0.021	89	19776	0.4993	0.3792	
41 Chloroform	83	11.869	11.869	0.000	95	46949	0.4993	0.4134	
42 1,1,1-Trichloroethane	97	12.164	12.164	0.000	98	45526	0.4993	0.4004	
43 Cyclohexane	84	12.292	12.292	0.000	98	28194	0.4993	0.4018	
44 Carbon tetrachloride	117	12.442	12.442	0.000	98	45075	0.4993	0.3929	
45 Benzene	78	12.800	12.800	0.000	96	66801	0.4993	0.4063	
46 1,2-Dichloroethane	62	12.886	12.886	0.000	92	29673	0.4993	0.4117	
47 Isooctane	57	13.003	13.003	0.000	99	97394	0.4993	0.4021	
48 n-Heptane	43	13.308	13.314	-0.006	89	32864	0.4993	0.3930	
* 49 1,4-Difluorobenzene	114	13.538	13.544	-0.006	94	1822598	10.0	10.0	
50 n-Butanol	56	13.806	13.790	0.016	90	10943	0.4993	0.3135	
51 Trichloroethene	95	13.972	13.972	0.000	97	30691	0.4993	0.3971	
53 1,2-Dichloropropane	63	14.437	14.443	-0.006	92	24277	0.4993	0.4014	
54 Methyl methacrylate	69	14.528	14.523	0.005	99	20029	0.4993	0.3501	
55 1,4-Dioxane	88	14.598	14.571	0.027	54	13752	0.4993	0.4081	
57 Dibromomethane	174	14.603	14.603	0.000	96	27907	0.4993	0.3913	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	47367	0.4993	0.3880	
59 cis-1,3-Dichloropropene	75	15.721	15.716	0.005	92	37264	0.4993	0.3607	
61 4-Methyl-2-pentanone (MIBK)	43	15.999	15.989	0.010	96	38049	0.4993	0.3563	
62 Toluene	92	16.352	16.352	0.000	93	45425	0.4993	0.3942	
A 63 Toluene Range	1	16.363	(16.283-16.443)		0	182973	NC	NC	
64 n-Octane	43	16.582	16.582	0.000	88	44862	0.4993	0.3882	
A 65 C8 Range	1	16.588	(16.513-16.663)		0	185322	NC	NC	
66 trans-1,3-Dichloropropene	75	16.775	16.780	-0.005	96	30161	0.4993	0.3625	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	98	23946	0.4993	0.3966	
68 Tetrachloroethene	166	17.337	17.342	-0.005	96	38682	0.4993	0.4030	
69 2-Hexanone	43	17.578	17.572	0.006	95	32123	0.4993	0.3224	
70 Chlorodibromomethane	129	17.899	17.893	0.006	98	42315	0.4993	0.3627	
71 Ethylene Dibromide	107	18.134	18.134	0.000	98	43016	0.4993	0.3870	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	87	1626496	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	95	64493	0.4993	0.4058	
75 Ethylbenzene	91	19.289	19.289	0.000	98	102084	0.4993	0.4008	
76 m-Xylene & p-Xylene	106	19.546	19.552	-0.006	0	75993	1.00	0.7813	
77 n-Nonane	57	19.600	19.600	0.000	85	46053	0.4993	0.3931	
S 80 Xylenes, Total	106				0		1.50	1.16	
78 o-Xylene	106	20.322	20.322	0.000	98	35758	0.4993	0.3826	
79 Styrene	104	20.354	20.354	0.000	99	54687	0.4993	0.3570	
81 Bromoform	173	20.696	20.696	0.000	94	33490	0.4993	0.3393	
82 Isopropylbenzene	105	20.985	20.991	-0.006	99	109467	0.4993	0.3961	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	99	61380	0.4993	0.3877	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	49827	0.4993	0.4224	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	135706	0.4993	0.4006	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	88022	0.4993	0.3957	
87 4-Ethyltoluene	105	21.879	21.879	0.000	99	106599	0.4993	0.3914	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	92	91490	0.4993	0.3965	
89 n-Decane	57	21.991	21.991	0.000	93	57562	0.4993	0.3917	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	87	39467	0.4993	0.3315	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	86742	0.4993	0.3944	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	90207	0.4993	0.3879	
93 sec-Butylbenzene	105	22.767	22.767	0.000	99	135676	0.4993	0.4042	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	98	63756	0.4993	0.3834	
95 4-Isopropyltoluene	119	22.975	22.975	0.000	97	109860	0.4993	0.3935	
96 1,4-Dichlorobenzene	146	23.082	23.082	0.000	95	64390	0.4993	0.3834	
97 Benzyl chloride	91	23.232	23.238	-0.006	98	64441	0.4993	0.3037	
98 n-Butylbenzene	91	23.537	23.543	-0.005	98	104651	0.4993	0.3769	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	62438	0.4993	0.3865	
100 Undecane	57	23.676	23.682	-0.006	93	55061	0.4993	0.3204	
101 Dodecane	57	25.303	25.303	0.000	96	28459	0.4993	0.1760	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	38995	0.5856	0.3293	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	97	44730	0.5612	0.4162	
104 Naphthalene	128	26.581	26.581	0.000	99	61208	0.5936	0.2487	M
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	96	36476	0.5816	0.3197	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL3w_00282	Amount Added: 20.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

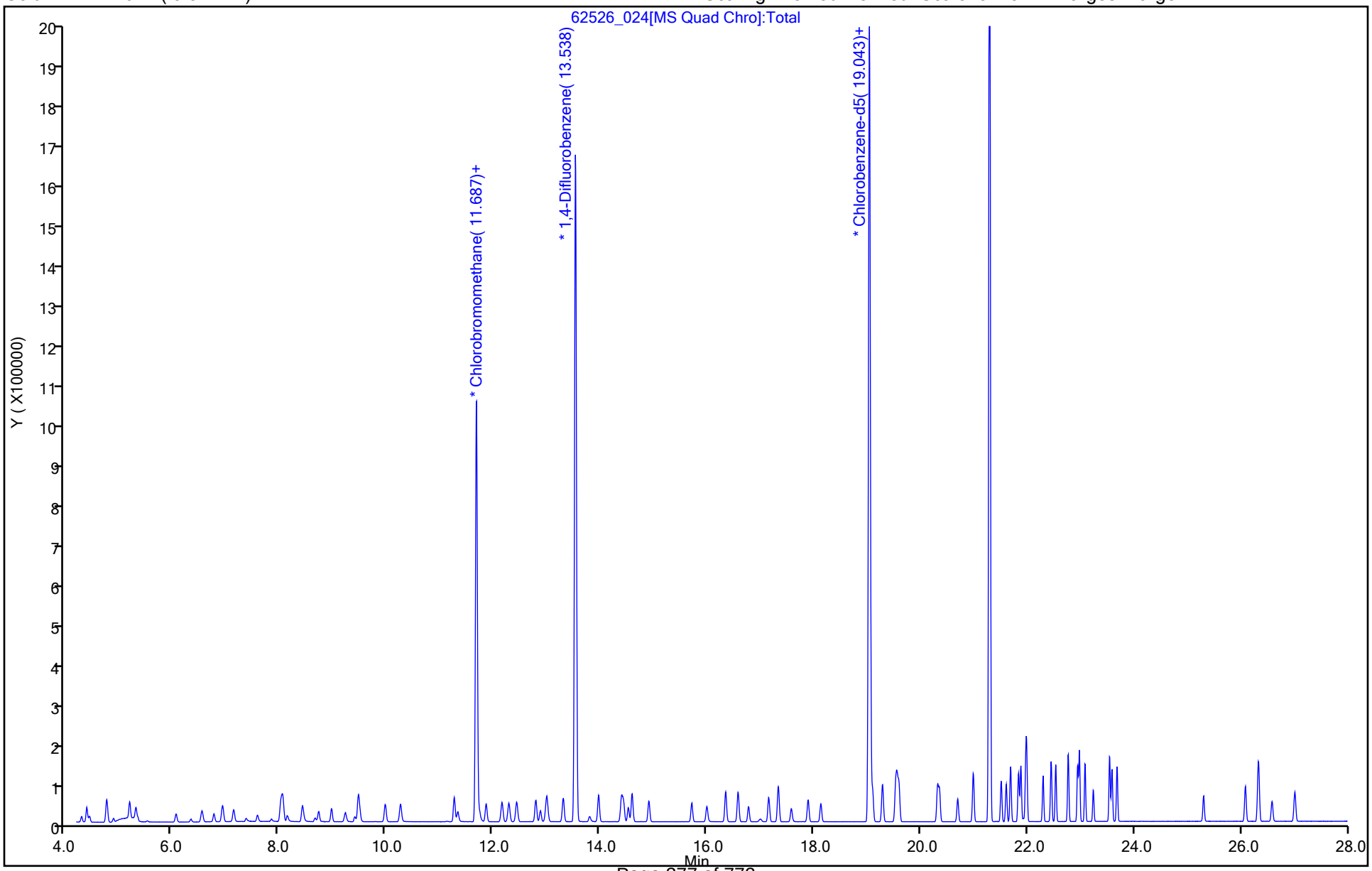
Report Date: 17-Oct-2024 13:07:37 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_024.D

Injection Date:	17-Oct-2024 08:54:12	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	IC			Worklist Smp#:	24
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

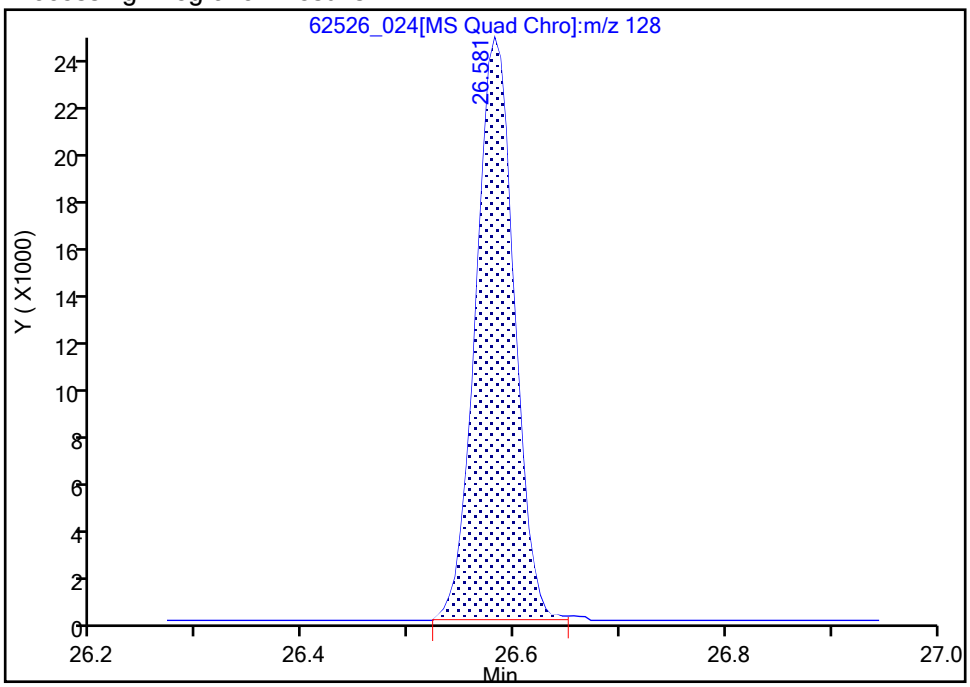
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_024.D				
Injection Date:	17-Oct-2024 08:54:12	Instrument ID:	CHAM.i		
Lims ID:	IC				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

104 Naphthalene, CAS: 91-20-3

Signal: 1

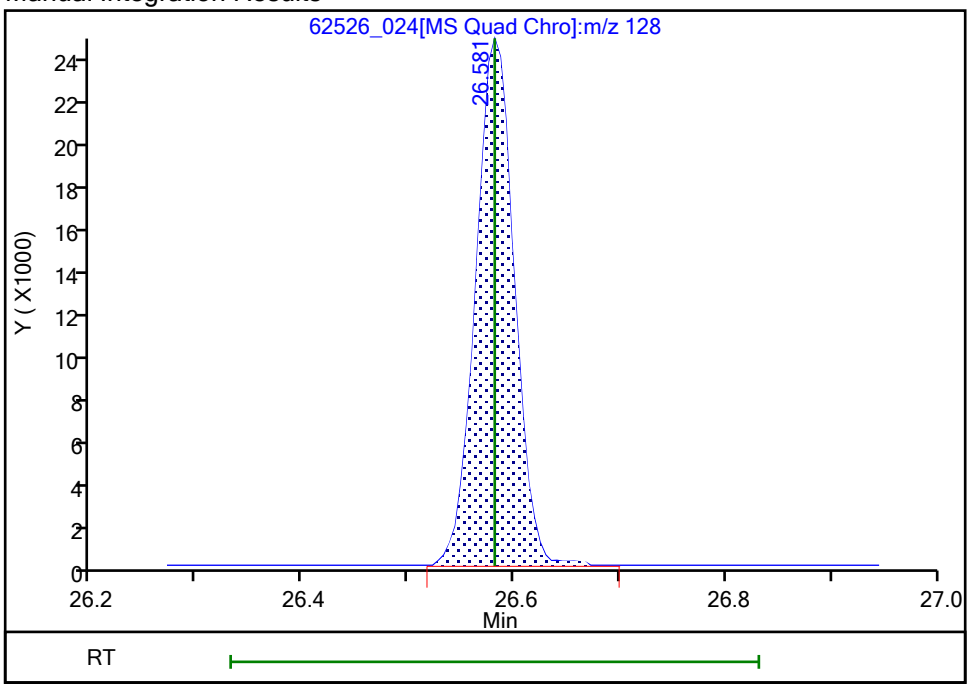
Processing Integration Results

RT: 26.58
Area: 61043
Amount: 0.282955
Amount Units: ppb v/v



Manual Integration Results

RT: 26.58
Area: 61208
Amount: 0.248731
Amount Units: ppb v/v



Reviewer: BKZ7, 17-Oct-2024 09:54:38 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 0
Inject. Date: 17-Oct-2024 10:36:15 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:39 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: BKZ7 Date: 17-Oct-2024 12:23:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.294	4.294	0.000	92	5556	0.1702	0.2537	
2 Dichlorodifluoromethane	85	4.396	4.396	0.000	99	21586	0.1702	0.2073	
3 Chlorodifluoromethane	51	4.444	4.444	0.000	96	10549	0.1702	0.2040	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.760	4.770	-0.010	96	22155	0.1702	0.1977	
5 Chloromethane	50	4.893	4.893	0.000	98	6151	0.1702	0.2159	
7 Butane	43	5.198	5.198	0.000	97	15950	0.1702	0.2561	
6 Vinyl chloride	62	5.198	5.198	0.000	77	9880	0.1702	0.1941	
8 Butadiene	54	5.316	5.316	0.000	90	7691	0.1702	0.1992	
9 Bromomethane	94	6.065	6.065	0.000	97	8412	0.1702	0.1949	
10 Chloroethane	64	6.343	6.343	0.000	96	4179	0.1702	0.1916	
12 2-Methylbutane	43	6.552	6.552	0.000	87	8224	0.1702	0.2049	
13 Vinyl bromide	106	6.771	6.776	-0.005	97	8560	0.1702	0.1905	
14 Trichlorofluoromethane	101	6.932	6.937	-0.005	99	23937	0.1702	0.1939	
15 Pentane	43	7.140	7.145	-0.005	94	13895	0.1702	0.2234	
16 Ethanol	45	7.370	7.343	0.027	98	25340	1.70	1.79	
18 Ethyl ether	59	7.590	7.568	0.022	89	5830	0.1702	0.1894	
19 Acrolein	56	7.857	7.830	0.027	91	3479	0.1993	0.2147	
20 1,1-Dichloroethene	96	8.018	8.023	-0.005	98	9877	0.1702	0.1902	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.050	8.060	-0.010	96	21288	0.1702	0.1925	
22 Acetone	43	8.146	8.114	0.032	97	17243	0.1702	0.2633	7Ma
23 Isopropyl alcohol	45	8.451	8.419	0.032	98	13646	0.1972	0.2107	
24 Carbon disulfide	76	8.424	8.429	-0.005	99	28687	0.1702	0.2014	
25 Acetonitrile	41	8.665	8.643	0.022	96	6471	0.1702	0.1996	
26 3-Chloro-1-propene	41	8.729	8.734	-0.005	97	11754	0.1702	0.2114	
27 Methylene Chloride	49	8.975	8.975	0.000	91	11506	0.1702	0.2168	
28 2-Methyl-2-propanol	59	9.243	9.205	0.038	99	16023	0.1702	0.1677	
29 Acrylonitrile	53	9.419	9.398	0.021	91	6884	0.1702	0.2044	
30 trans-1,2-Dichloroethene	61	9.467	9.473	-0.006	98	14447	0.1702	0.1954	
31 Methyl tert-butyl ether	73	9.500	9.473	0.027	96	26427	0.1702	0.1874	
32 Hexane	57	9.981	9.981	0.000	91	15151	0.1702	0.2005	
S 35 1,2-Dichloroethene, Total	61				0		0.3403	0.3858	
33 1,1-Dichloroethane	63	10.254	10.259	-0.005	100	18043	0.1702	0.1923	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.281	10.264	0.017	99	18031	0.1938	0.1706	
36 2-Butanone (MEK)	72	11.270	11.249	0.021	97	4843	0.1702	0.1892	
37 cis-1,2-Dichloroethene	96	11.270	11.270	0.000	92	11343	0.1702	0.1904	
38 Ethyl acetate	88	11.345	11.324	0.021	99	613	0.1702	0.1278	
* 39 Chlorobromomethane	128	11.688	11.687	0.001	87	386641	10.0	10.0	
40 Tetrahydrofuran	42	11.736	11.720	0.016	88	9638	0.1702	0.1846	
41 Chloroform	83	11.869	11.869	0.000	96	22316	0.1702	0.1957	
42 1,1,1-Trichloroethane	97	12.169	12.164	0.005	97	21214	0.1702	0.1864	
43 Cyclohexane	84	12.292	12.292	0.000	98	13037	0.1702	0.1856	
44 Carbon tetrachloride	117	12.442	12.442	0.000	97	20745	0.1702	0.1807	
45 Benzene	78	12.800	12.800	0.000	95	32703	0.1702	0.1987	
46 1,2-Dichloroethane	62	12.886	12.886	0.000	93	14109	0.1702	0.1956	
47 Isooctane	57	13.004	13.003	0.001	99	46222	0.1702	0.1907	
48 n-Heptane	43	13.309	13.314	-0.005	88	16580	0.1702	0.1981	
* 49 1,4-Difluorobenzene	114	13.539	13.544	-0.005	94	1824113	10.0	10.0	
50 n-Butanol	56	13.806	13.790	0.016	88	7320	0.1702	0.2096	7Ma
51 Trichloroethene	95	13.972	13.972	0.000	95	14814	0.1702	0.1915	
53 1,2-Dichloropropane	63	14.437	14.443	-0.006	91	11238	0.1702	0.1856	
54 Methyl methacrylate	69	14.534	14.523	0.011	98	9846	0.1702	0.1720	
55 1,4-Dioxane	88	14.603	14.571	0.032	52	7178	0.1702	0.2129	
57 Dibromomethane	174	14.598	14.603	-0.005	95	14528	0.1702	0.2035	
58 Dichlorobromomethane	83	14.919	14.913	0.006	98	22055	0.1702	0.1805	
59 cis-1,3-Dichloropropene	75	15.721	15.716	0.005	92	18069	0.1702	0.1747	
61 4-Methyl-2-pentanone (MIBK)	43	16.005	15.989	0.016	97	17919	0.1702	0.1677	
62 Toluene	92	16.353	16.352	0.001	93	22442	0.1702	0.1943	
A 63 Toluene Range	1	16.363	(16.283-16.443)		0	88339	NC	NC	
64 n-Octane	43	16.583	16.582	0.001	88	22124	0.1702	0.1913	
A 65 C8 Range	1	16.588	(16.513-16.663)		0	90962	NC	NC	
66 trans-1,3-Dichloropropene	75	16.781	16.780	0.001	96	14435	0.1702	0.1733	
67 1,1,2-Trichloroethane	83	17.155	17.160	-0.005	99	11715	0.1702	0.1936	
68 Tetrachloroethene	166	17.337	17.342	-0.005	96	18444	0.1702	0.1917	
69 2-Hexanone	43	17.583	17.572	0.011	96	15394	0.1702	0.1542	
70 Chlorodibromomethane	129	17.893	17.893	0.000	97	20090	0.1702	0.1718	
71 Ethylene Dibromide	107	18.134	18.134	0.000	99	21307	0.1702	0.1913	
* 73 Chlorobenzene-d5	117	19.044	19.043	0.001	87	1630185	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	95	33033	0.1702	0.2074	
75 Ethylbenzene	91	19.290	19.289	0.001	98	50028	0.1702	0.1960	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	37561	0.3403	0.3853	
77 n-Nonane	57	19.595	19.600	-0.005	85	22295	0.1702	0.1899	
S 80 Xylenes, Total	106				0		0.5105	0.5736	
78 o-Xylene	106	20.322	20.322	0.000	96	17643	0.1702	0.1883	
79 Styrene	104	20.354	20.354	0.000	98	28112	0.1702	0.1831	
81 Bromoform	173	20.697	20.696	0.001	95	16882	0.1702	0.1707	
82 Isopropylbenzene	105	20.991	20.991	0.000	99	52362	0.1702	0.1890	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	31535	0.1702	0.1988	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	28333	0.1702	0.2396	
85 N-Propylbenzene	91	21.686	21.686	0.000	98	67180	0.1702	0.1979	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	45976	0.1702	0.2062	
87 4-Ethyltoluene	105	21.879	21.879	0.000	98	52493	0.1702	0.1923	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	92	44035	0.1702	0.1904	
89 n-Decane	57	21.991	21.991	0.000	93	27953	0.1702	0.1898	
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	88	20139	0.1702	0.1688	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	42354	0.1702	0.1921	
92 1,2,4-Trimethylbenzene	105	22.532	22.531	0.001	98	44524	0.1702	0.1910	
93 sec-Butylbenzene	105	22.767	22.767	0.000	99	64610	0.1702	0.1920	
94 1,3-Dichlorobenzene	146	22.944	22.943	0.001	98	34877	0.1702	0.2093	
95 4-Isopropyltoluene	119	22.976	22.975	0.001	97	50705	0.1702	0.1812	
96 1,4-Dichlorobenzene	146	23.083	23.082	0.001	96	36162	0.1702	0.2148	
97 Benzyl chloride	91	23.232	23.238	-0.006	98	35090	0.1702	0.1650	
98 n-Butylbenzene	91	23.543	23.543	0.001	98	51113	0.1702	0.1836	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	34385	0.1702	0.2124	
100 Undecane	57	23.682	23.682	0.000	93	27302	0.1702	0.1585	
101 Dodecane	57	25.297	25.303	-0.006	96	24027	0.1702	0.1482	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	29901	0.1996	0.2520	
103 Hexachlorobutadiene	225	26.325	26.330	-0.005	97	22668	0.1913	0.2104	
104 Naphthalene	128	26.581	26.581	0.000	99	65328	0.2023	0.2649	
105 1,2,3-Trichlorobenzene	180	27.004	27.009	-0.005	95	30518	0.1982	0.2669	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- a - User Assigned ID

Reagents:

ATTO15CAL2w_00352	Amount Added: 68.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

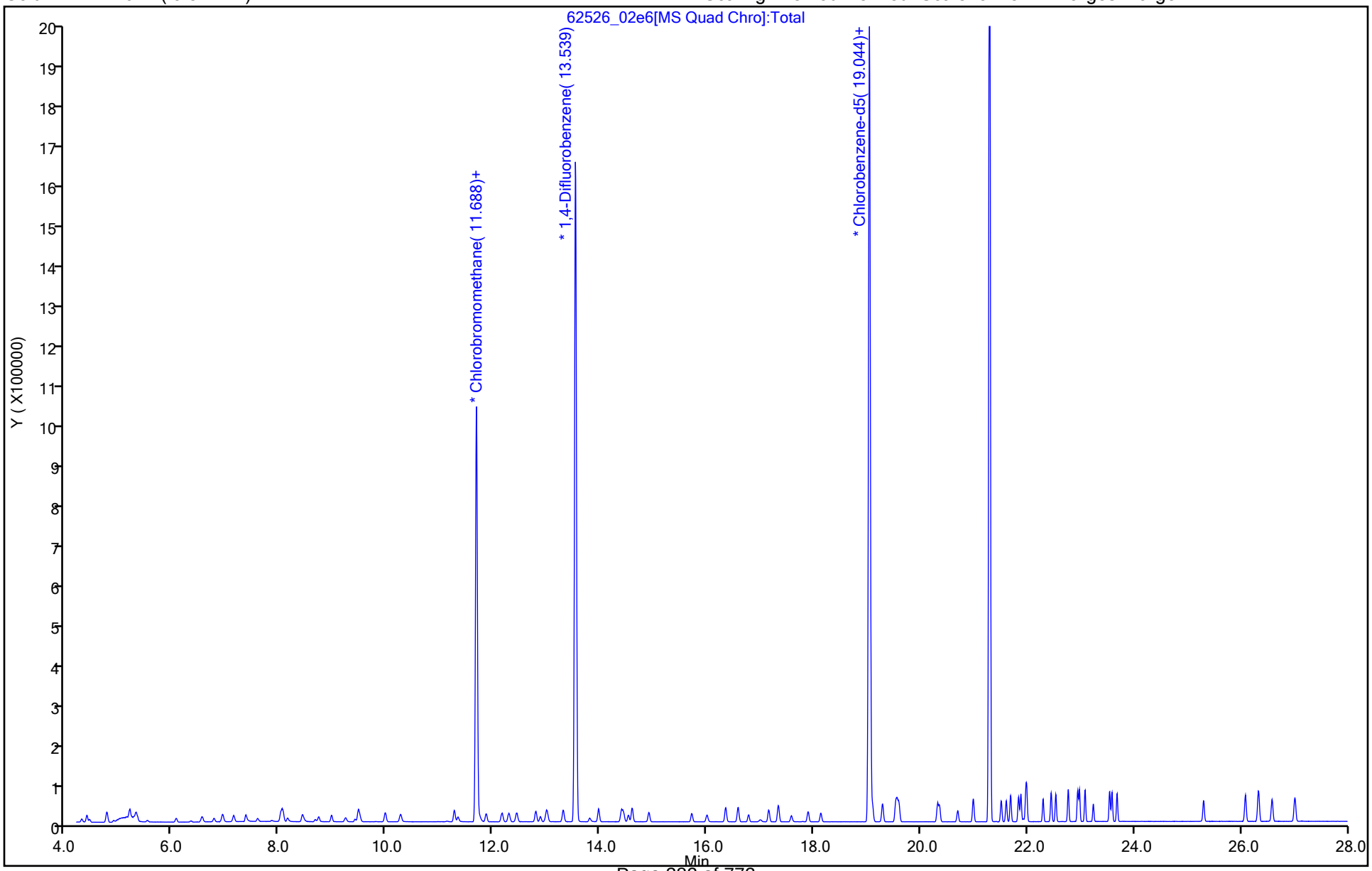
Report Date: 17-Oct-2024 13:07:39 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Injection Date:	17-Oct-2024 10:36:15	Instrument ID:	CHAM.i	Operator ID:	
Lims ID:	IC			Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

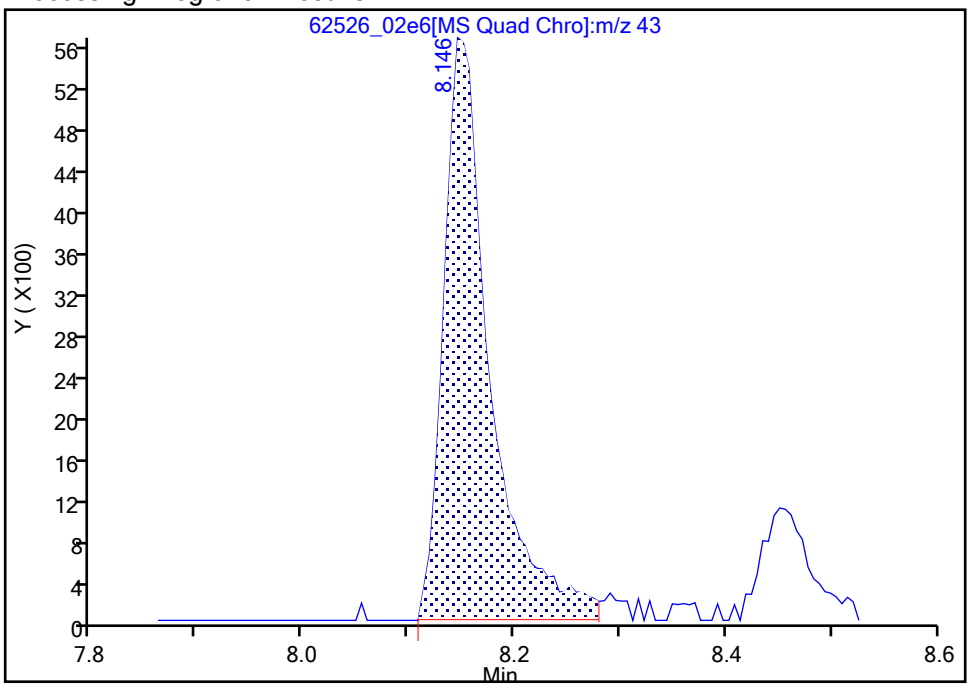
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D
Injection Date: 17-Oct-2024 10:36:15 Instrument ID: CHAM.i
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

Signal: 1

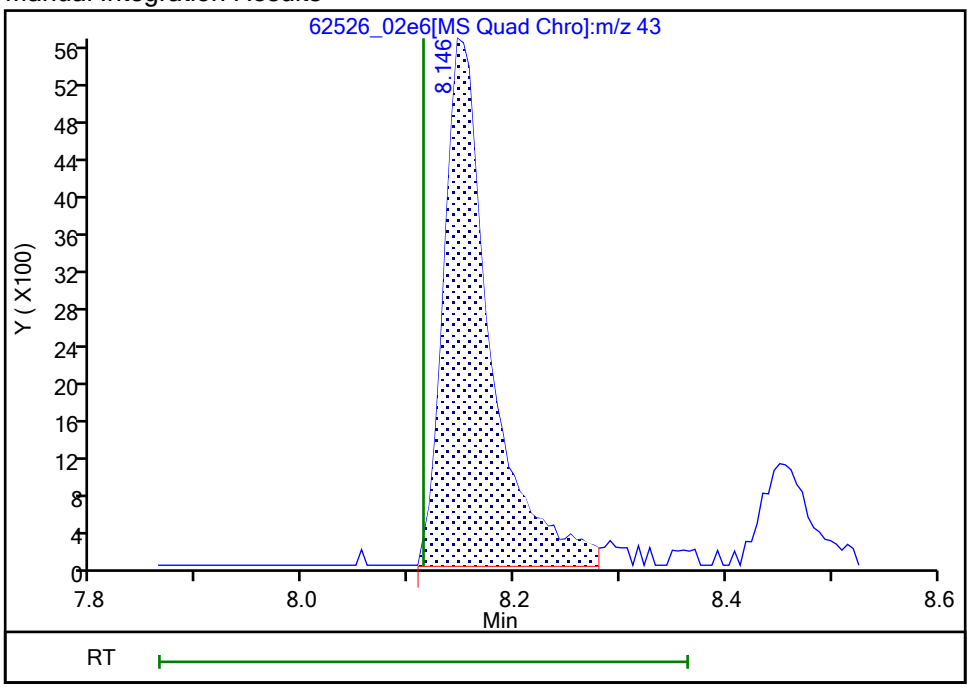
Processing Integration Results

RT: 8.15
Area: 17243
Amount: 0.263255
Amount Units: ppb v/v



Manual Integration Results

RT: 8.15
Area: 17243
Amount: 0.263255
Amount Units: ppb v/v



Reviewer: BKZ7, 17-Oct-2024 11:56:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Burlington

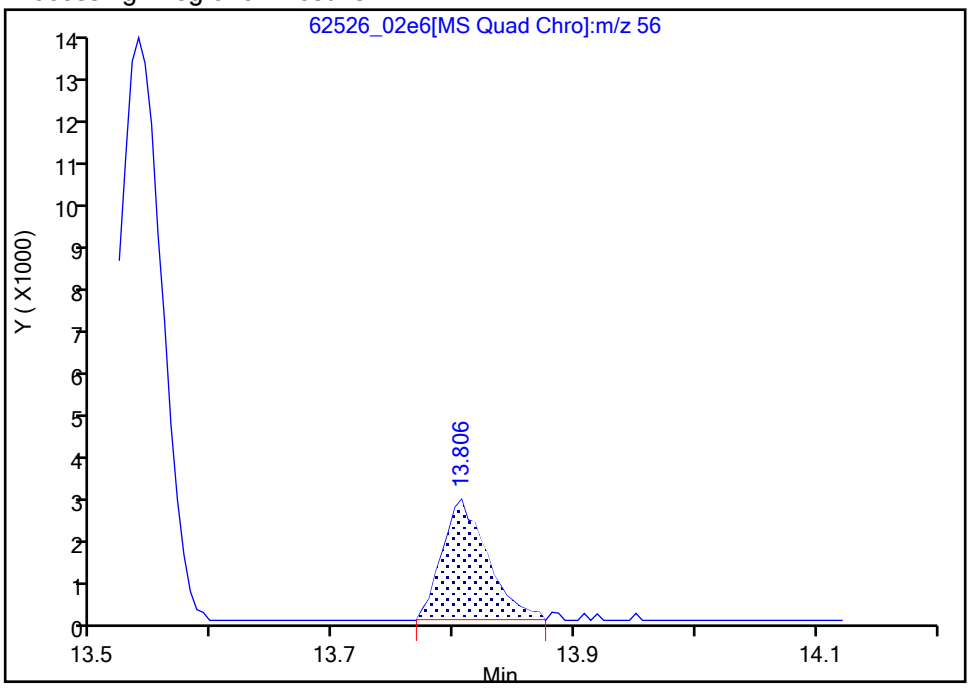
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D				
Injection Date:	17-Oct-2024 10:36:15	Instrument ID:	CHAM.i		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Signal: 1

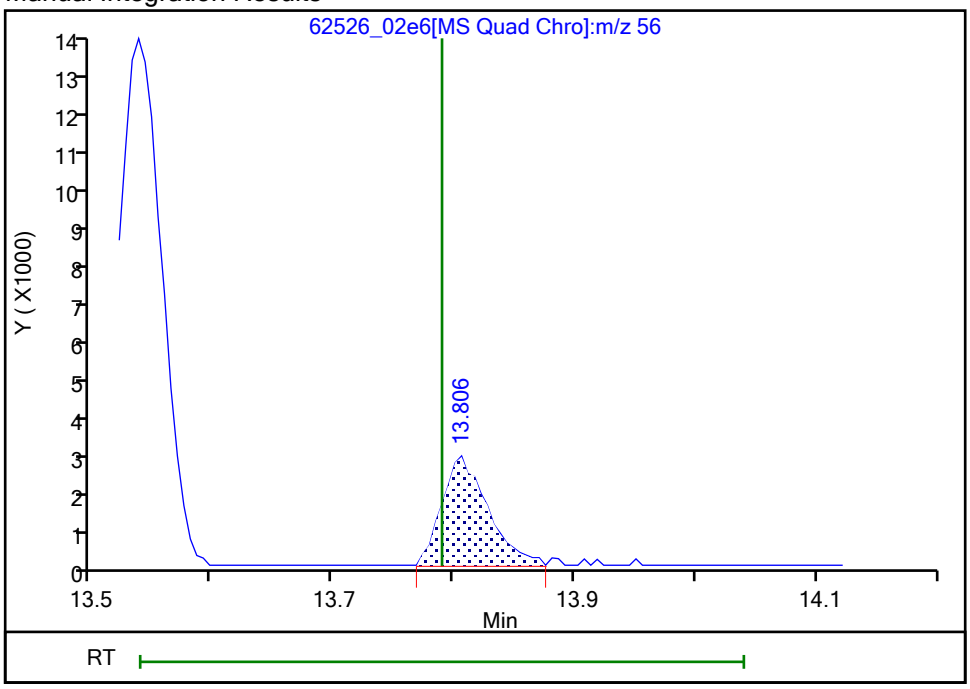
Processing Integration Results

RT: 13.81
Area: 7320
Amount: 0.209562
Amount Units: ppb v/v



Manual Integration Results

RT: 13.81
Area: 7320
Amount: 0.209562
Amount Units: ppb v/v



Reviewer: BKZ7, 17-Oct-2024 11:56:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Calibration / Propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

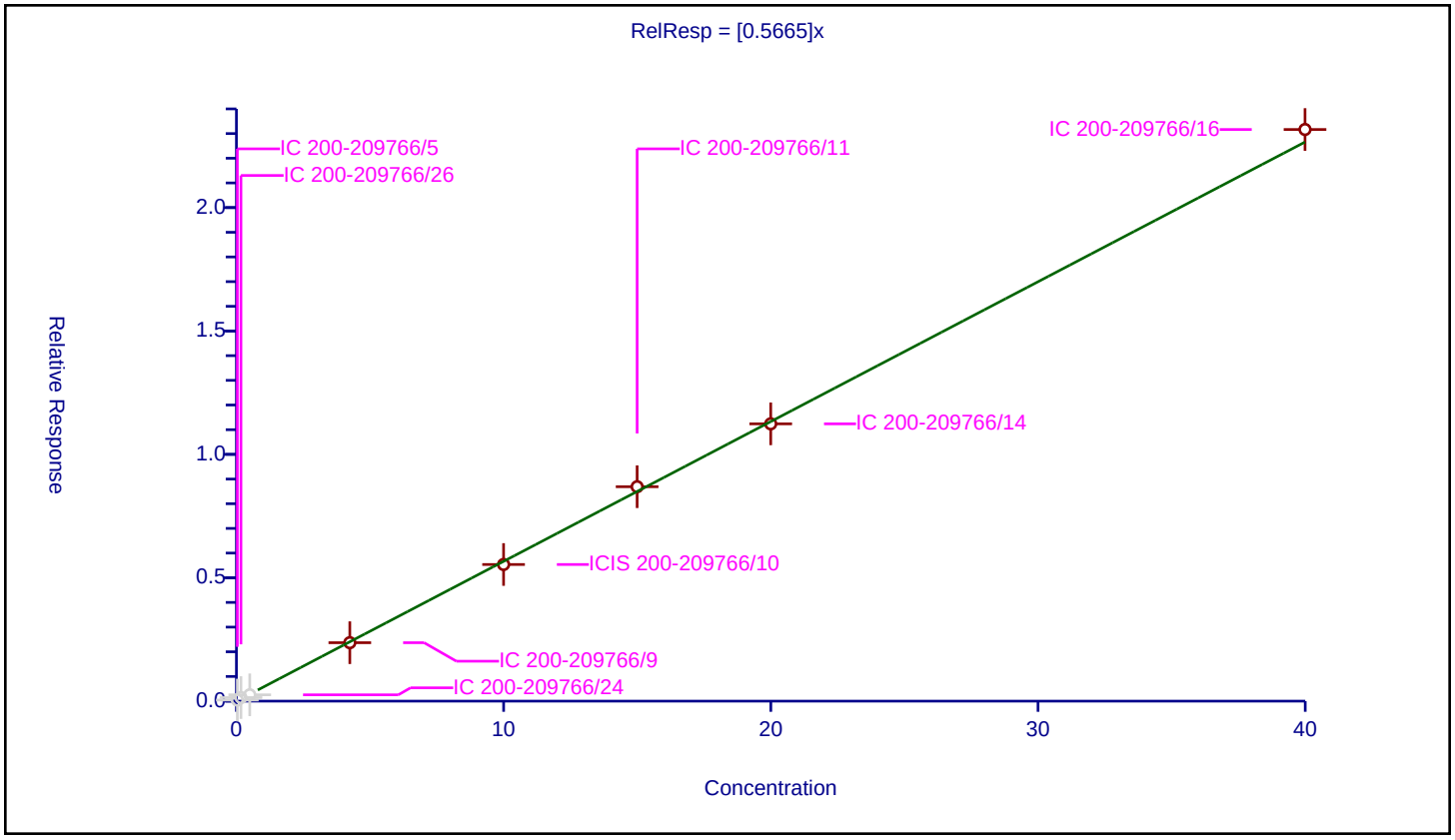
Curve Coefficients

Intercept:	0
Slope:	0.5665

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.044118	10.0	420468.0	1.257735	N
2	IC 200-209766/26	0.170154	0.143699	10.0	386641.0	0.844525	N
3	IC 200-209766/24	0.499256	0.256111	10.0	385107.0	0.512984	N
4	IC 200-209766/9	4.243678	2.368852	10.0	399759.0	0.558207	Y
5	ICIS 200-209766/10	9.99806	5.537264	10.0	407118.0	0.553834	Y
6	IC 200-209766/11	14.99709	8.688788	10.0	409926.0	0.579365	Y
7	IC 200-209766/14	19.99612	11.237606	10.0	411496.0	0.561989	Y
8	IC 200-209766/16	39.99224	23.16476	10.0	432137.0	0.579231	Y



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

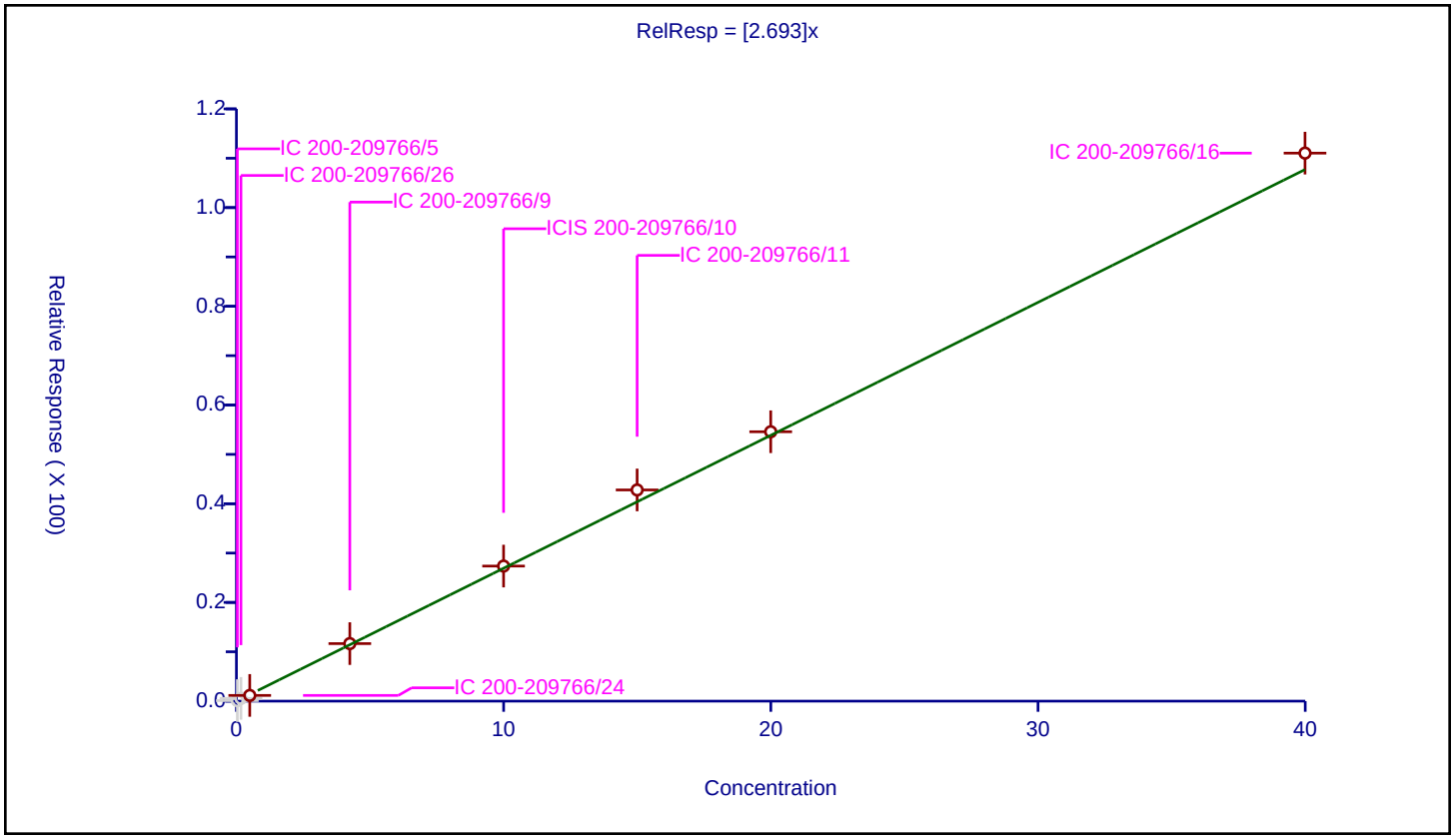
Curve Coefficients

Intercept:	0
Slope:	2.693

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.107808	10.0	420468.0	3.073485	N
2	IC 200-209766/26	0.170154	0.558296	10.0	386641.0	3.281122	N
3	IC 200-209766/24	0.499256	1.155341	10.0	385107.0	2.314125	Y
4	IC 200-209766/9	4.243678	11.660926	10.0	399759.0	2.747834	Y
5	ICIS 200-209766/10	9.99806	27.369657	10.0	407118.0	2.737497	Y
6	IC 200-209766/11	14.99709	42.79287	10.0	409926.0	2.853412	Y
7	IC 200-209766/14	19.99612	54.581357	10.0	411496.0	2.729597	Y
8	IC 200-209766/16	39.99224	111.037588	10.0	432137.0	2.776478	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

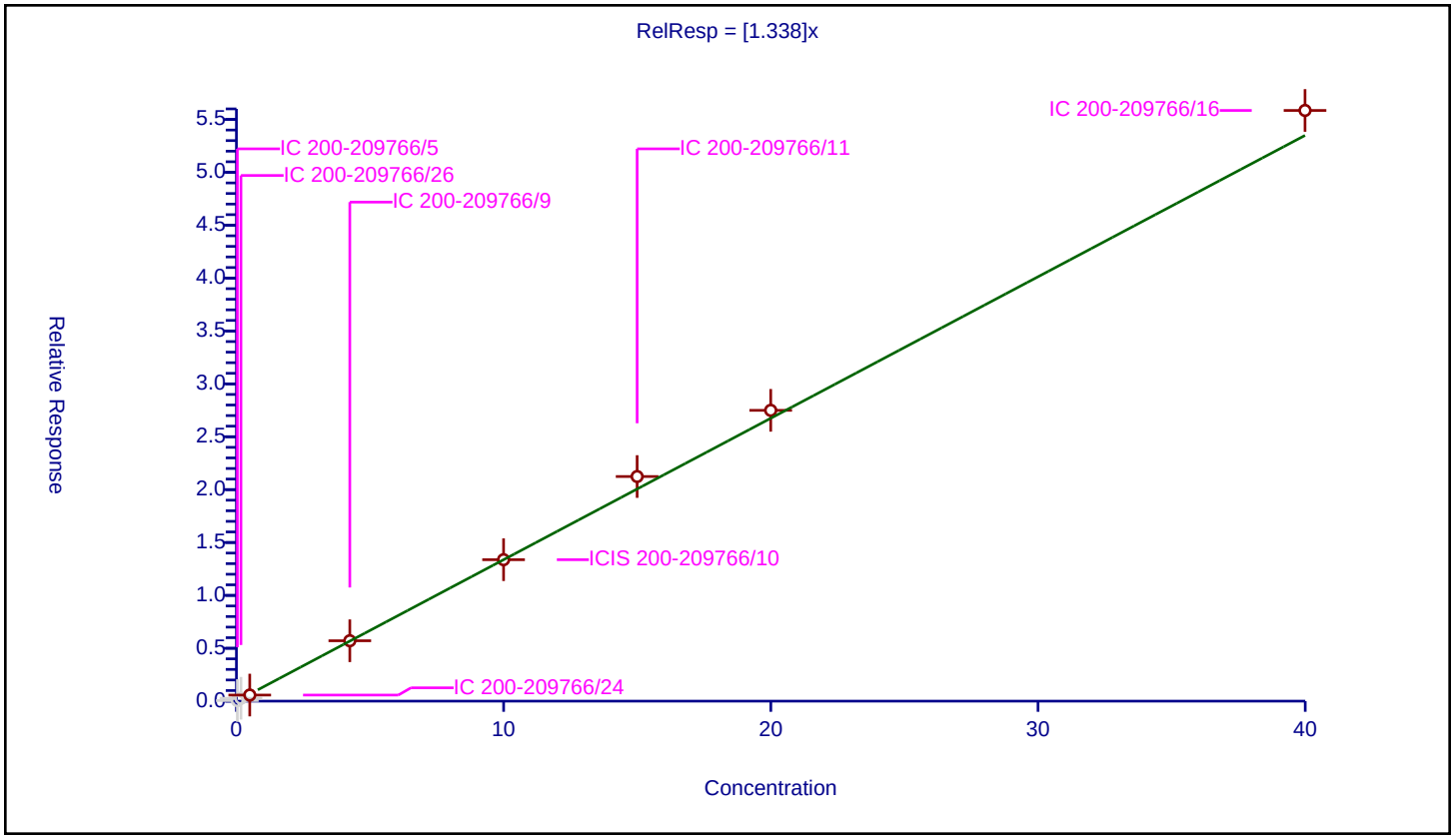
Curve Coefficients

Intercept:	0
Slope:	1.338

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.053345	10.0	420468.0	1.520809	N
2	IC 200-209766/26	0.170154	0.272837	10.0	386641.0	1.603473	N
3	IC 200-209766/24	0.499256	0.576178	10.0	385107.0	1.154072	Y
4	IC 200-209766/9	4.243678	5.711466	10.0	399759.0	1.345876	Y
5	ICIS 200-209766/10	9.99806	13.372904	10.0	407118.0	1.33755	Y
6	IC 200-209766/11	14.99709	21.239468	10.0	409926.0	1.416239	Y
7	IC 200-209766/14	19.99612	27.496501	10.0	411496.0	1.375092	Y
8	IC 200-209766/16	39.99224	55.85157	10.0	432137.0	1.39656	Y



Calibration / 1,2-Dichloro-1,1,2,2-tetrafluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

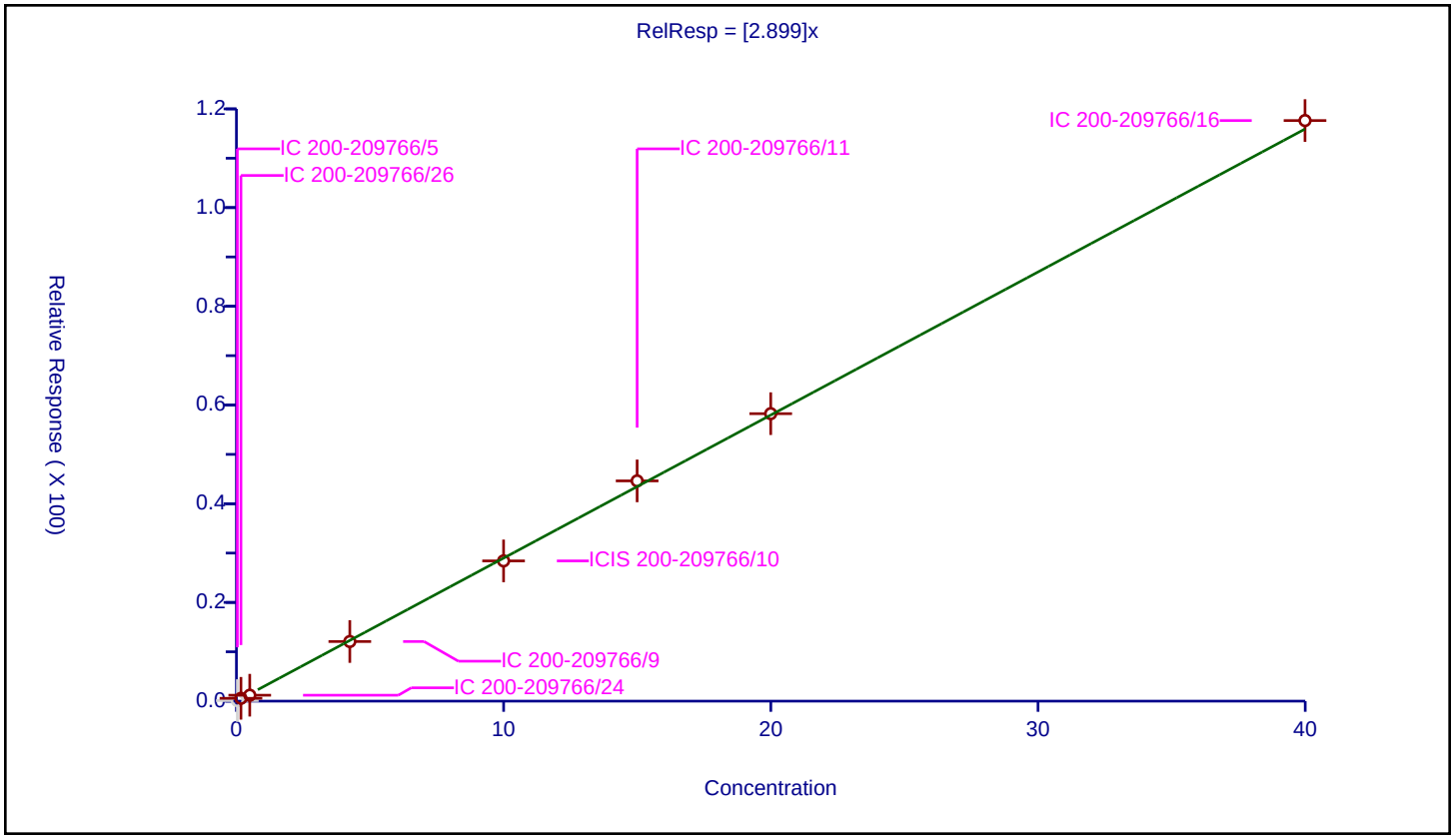
Curve Coefficients

Intercept:	0
Slope:	2.899

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.112779	10.0	420468.0	3.215192	N
2	IC 200-209766/26	0.170154	0.573012	10.0	386641.0	3.367612	Y
3	IC 200-209766/24	0.499256	1.199848	10.0	385107.0	2.403271	Y
4	IC 200-209766/9	4.243678	12.078452	10.0	399759.0	2.846222	Y
5	ICIS 200-209766/10	9.99806	28.416921	10.0	407118.0	2.842244	Y
6	IC 200-209766/11	14.99709	44.626591	10.0	409926.0	2.975683	Y
7	IC 200-209766/14	19.99612	58.247371	10.0	411496.0	2.912934	Y
8	IC 200-209766/16	39.99224	117.638666	10.0	432137.0	2.941537	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

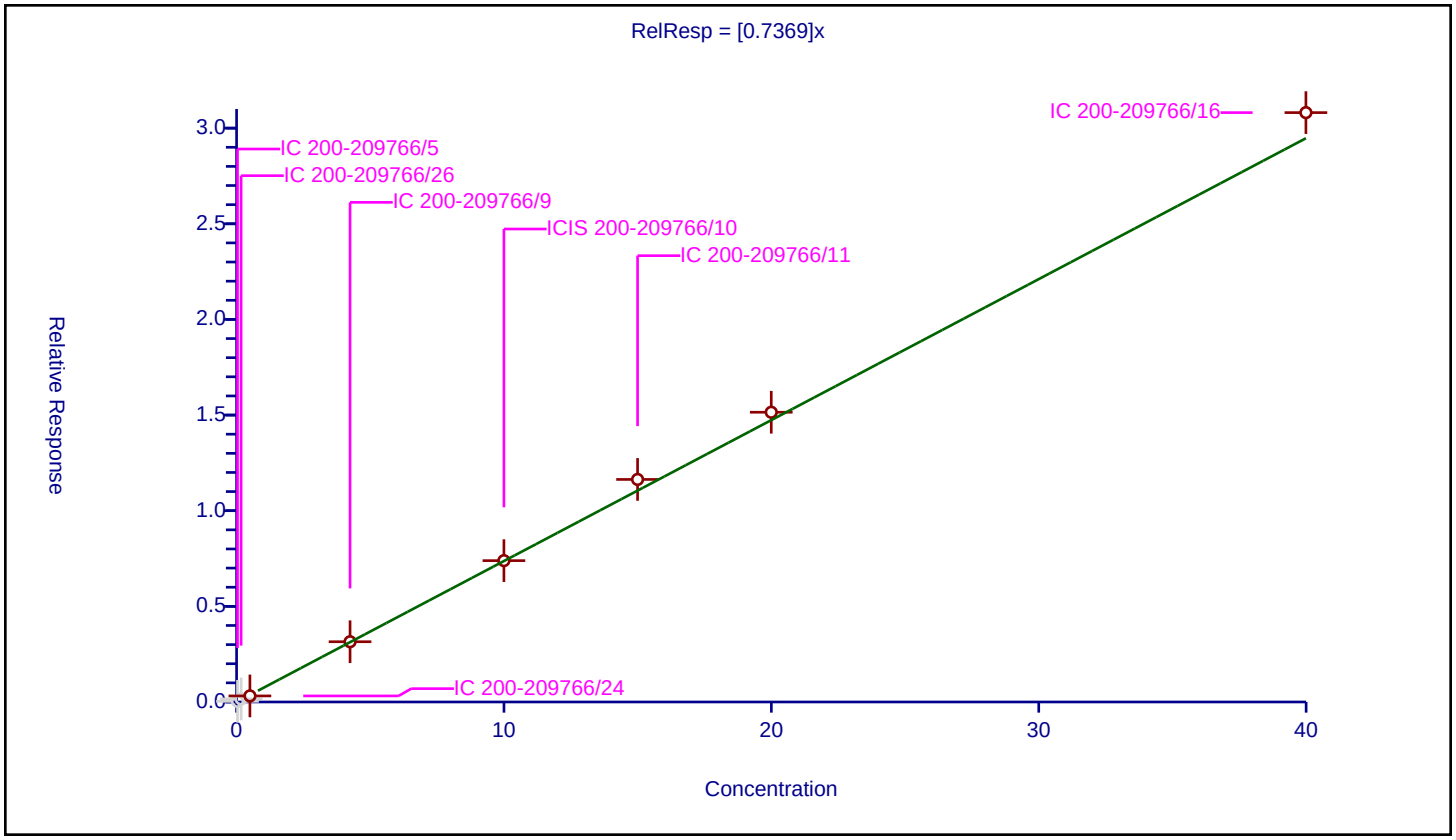
Curve Coefficients

Intercept:	0
Slope:	0.7369

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.034105	10.0	420468.0	0.972287	N
2	IC 200-209766/26	0.170154	0.159088	10.0	386641.0	0.934966	N
3	IC 200-209766/24	0.499256	0.317626	10.0	385107.0	0.636198	Y
4	IC 200-209766/9	4.243678	3.150448	10.0	399759.0	0.742386	Y
5	ICIS 200-209766/10	9.99806	7.389283	10.0	407118.0	0.739072	Y
6	IC 200-209766/11	14.99709	11.6341	10.0	409926.0	0.775757	Y
7	IC 200-209766/14	19.99612	15.147292	10.0	411496.0	0.757512	Y
8	IC 200-209766/16	39.99224	30.811109	10.0	432137.0	0.770427	Y



Calibration / Butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

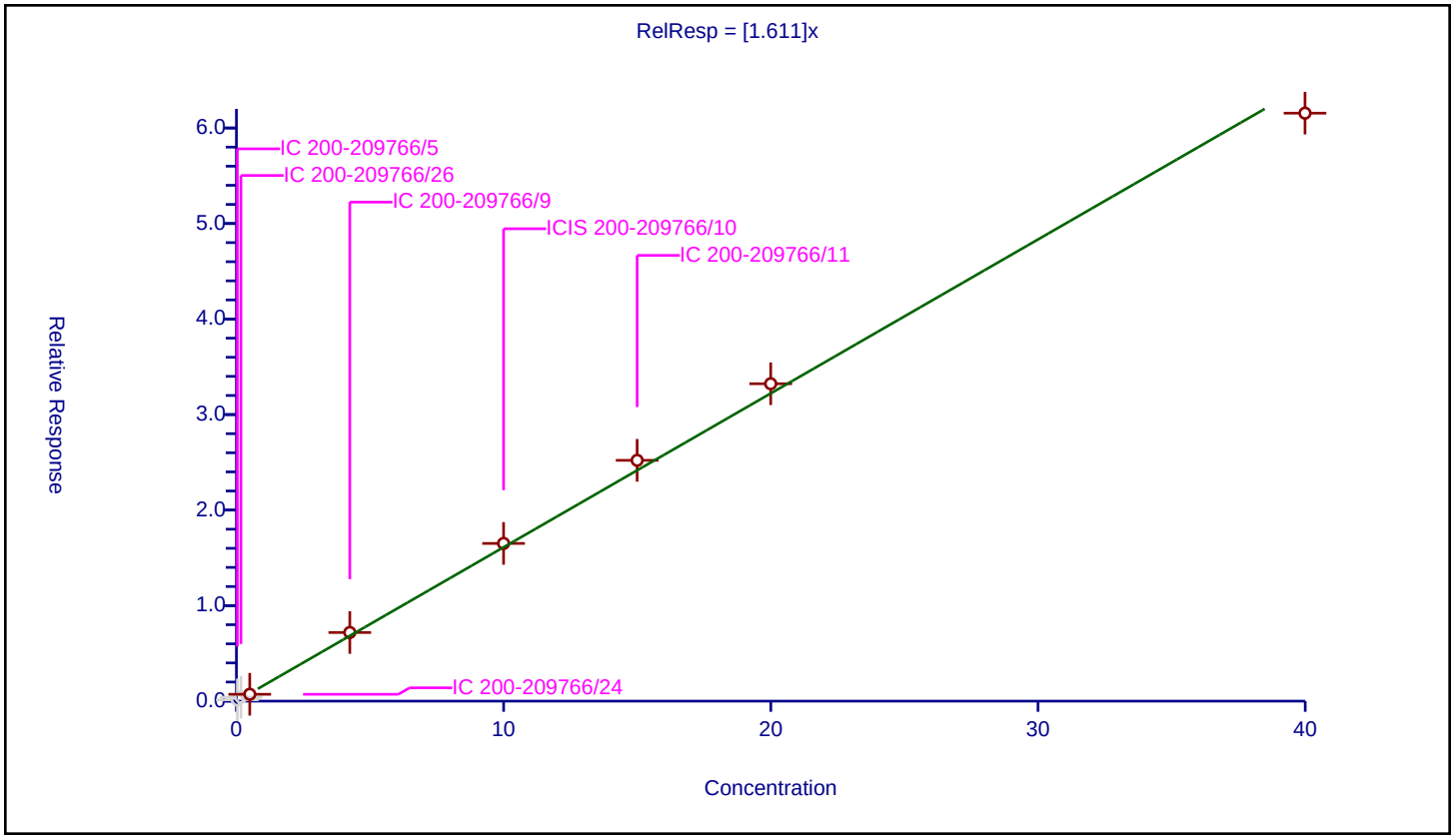
Curve Coefficients

Intercept:	0
Slope:	1.611

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.13347	10.0	420468.0	3.805073	N
2	IC 200-209766/26	0.170154	0.412527	10.0	386641.0	2.424437	N
3	IC 200-209766/24	0.499256	0.718943	10.0	385107.0	1.440028	Y
4	IC 200-209766/9	4.243678	7.18668	10.0	399759.0	1.693502	Y
5	ICIS 200-209766/10	9.99806	16.510397	10.0	407118.0	1.65136	Y
6	IC 200-209766/11	14.99709	25.209892	10.0	409926.0	1.680986	Y
7	IC 200-209766/14	19.99612	33.227176	10.0	411496.0	1.661681	Y
8	IC 200-209766/16	39.99224	61.553072	10.0	432137.0	1.539125	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

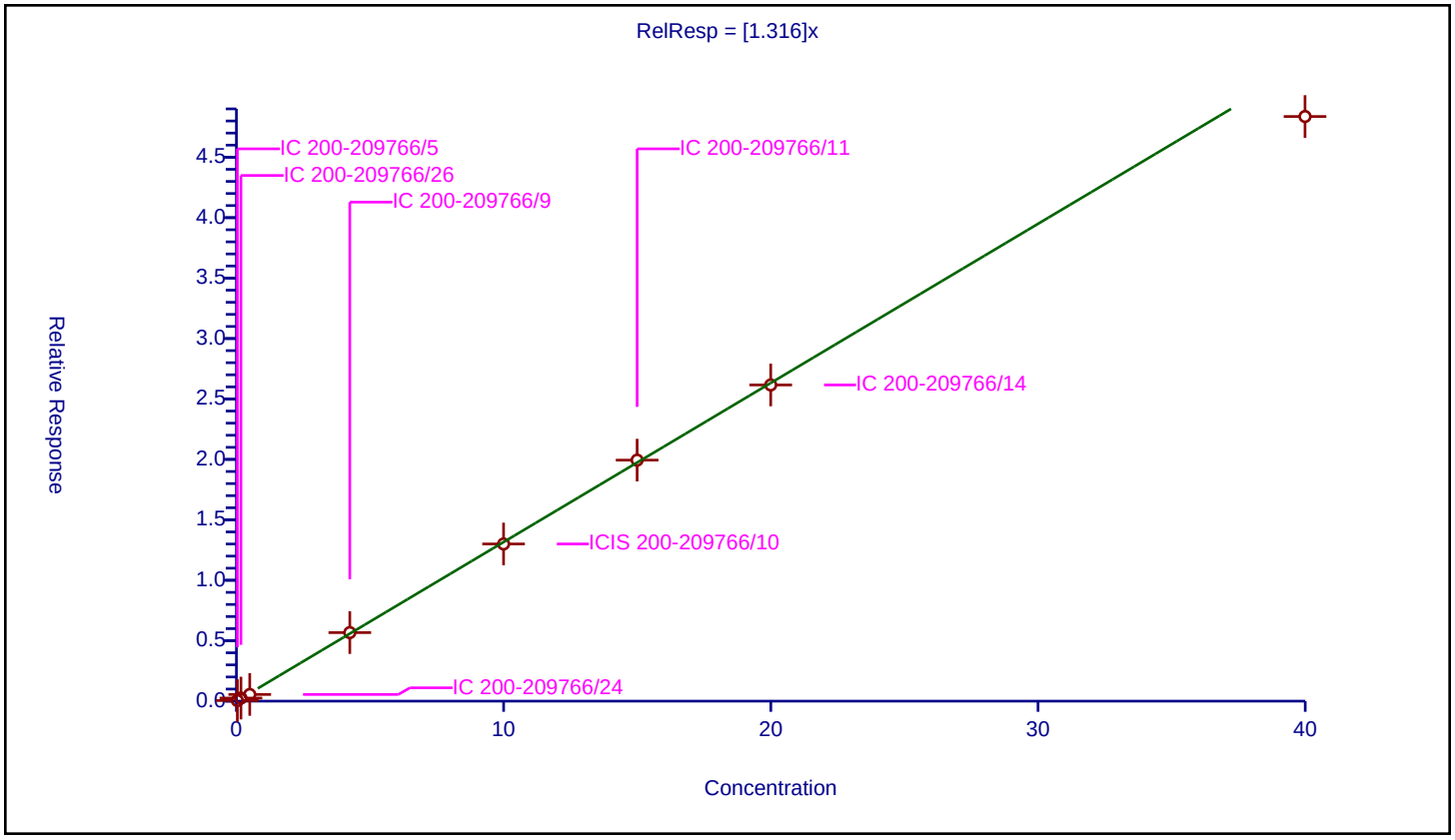
Curve Coefficients

Intercept:	0
Slope:	1.316

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.050515	10.0	420468.0	1.440124	Y
2	IC 200-209766/26	0.170154	0.255534	10.0	386641.0	1.501783	Y
3	IC 200-209766/24	0.499256	0.551405	10.0	385107.0	1.104453	Y
4	IC 200-209766/9	4.243678	5.670767	10.0	399759.0	1.336286	Y
5	ICIS 200-209766/10	9.99806	13.004461	10.0	407118.0	1.300698	Y
6	IC 200-209766/11	14.99709	19.940892	10.0	409926.0	1.329651	Y
7	IC 200-209766/14	19.99612	26.158772	10.0	411496.0	1.308192	Y
8	IC 200-209766/16	39.99224	48.369684	10.0	432137.0	1.209477	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

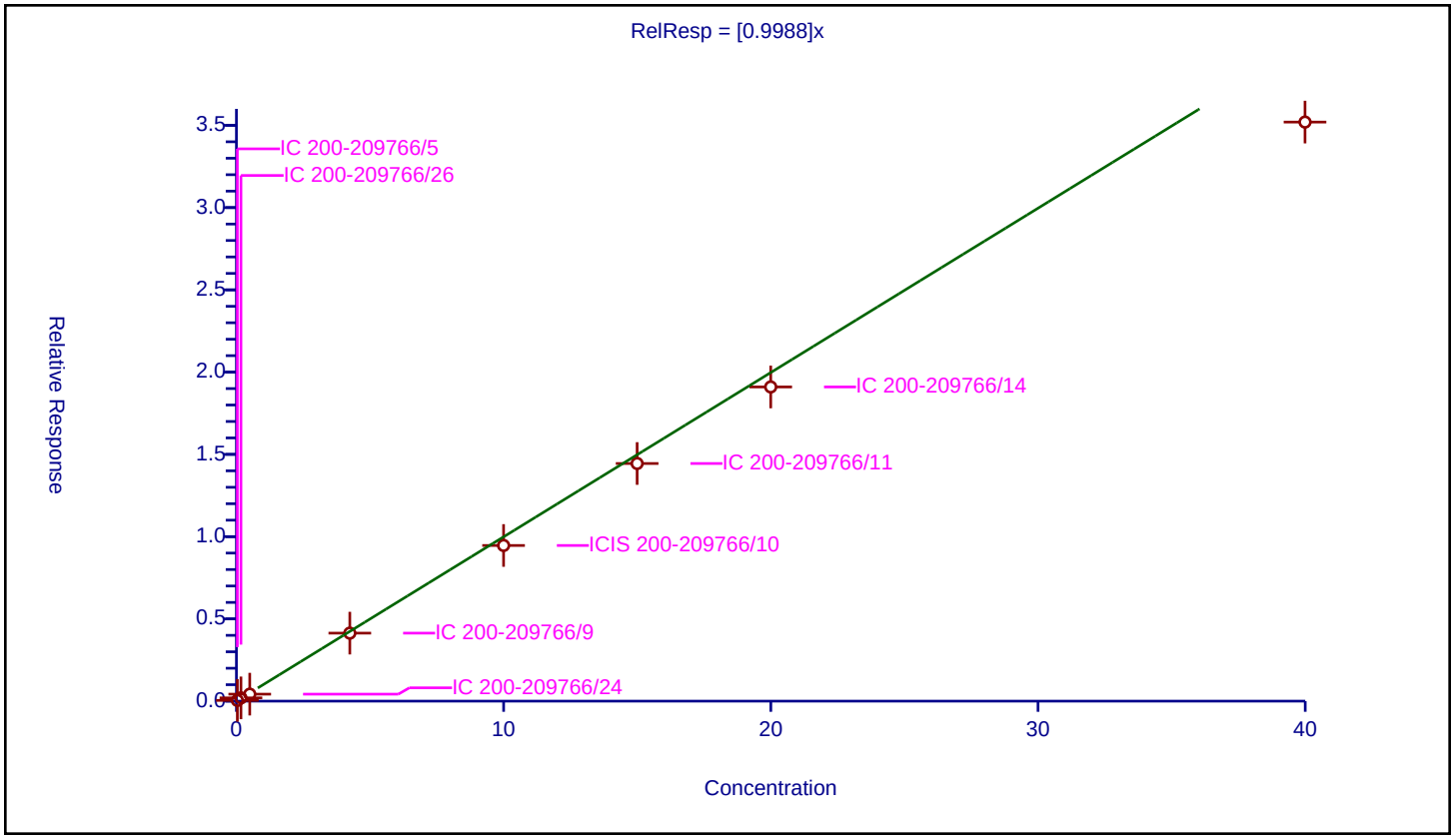
Curve Coefficients

Intercept:	0
Slope:	0.9988

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.043903	10.0	420468.0	1.251633	Y
2	IC 200-209766/26	0.170154	0.198918	10.0	386641.0	1.16905	Y
3	IC 200-209766/24	0.499256	0.424635	10.0	385107.0	0.850536	Y
4	IC 200-209766/9	4.243678	4.133966	10.0	399759.0	0.974147	Y
5	ICIS 200-209766/10	9.99806	9.46163	10.0	407118.0	0.946347	Y
6	IC 200-209766/11	14.99709	14.445339	10.0	409926.0	0.963209	Y
7	IC 200-209766/14	19.99612	19.098606	10.0	411496.0	0.955116	Y
8	IC 200-209766/16	39.99224	35.198213	10.0	432137.0	0.880126	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

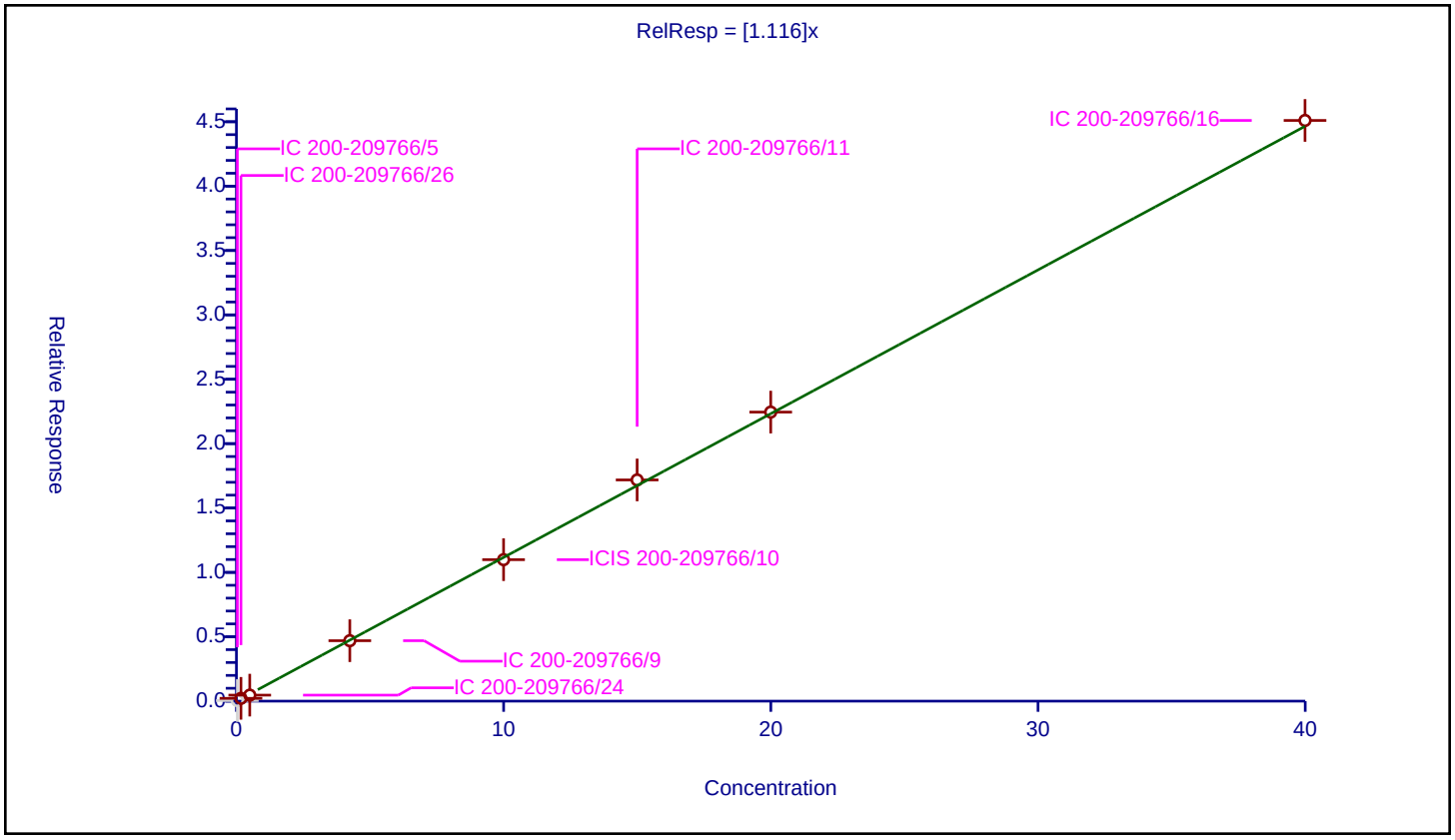
Curve Coefficients

Intercept:	0
Slope:	1.116

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.044022	10.0	420468.0	1.255023	N
2	IC 200-209766/26	0.170154	0.217566	10.0	386641.0	1.278644	Y
3	IC 200-209766/24	0.499256	0.466909	10.0	385107.0	0.935209	Y
4	IC 200-209766/9	4.243678	4.694629	10.0	399759.0	1.106264	Y
5	ICIS 200-209766/10	9.99806	10.986913	10.0	407118.0	1.098904	Y
6	IC 200-209766/11	14.99709	17.180637	10.0	409926.0	1.145598	Y
7	IC 200-209766/14	19.99612	22.451032	10.0	411496.0	1.122769	Y
8	IC 200-209766/16	39.99224	45.101461	10.0	432137.0	1.127755	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

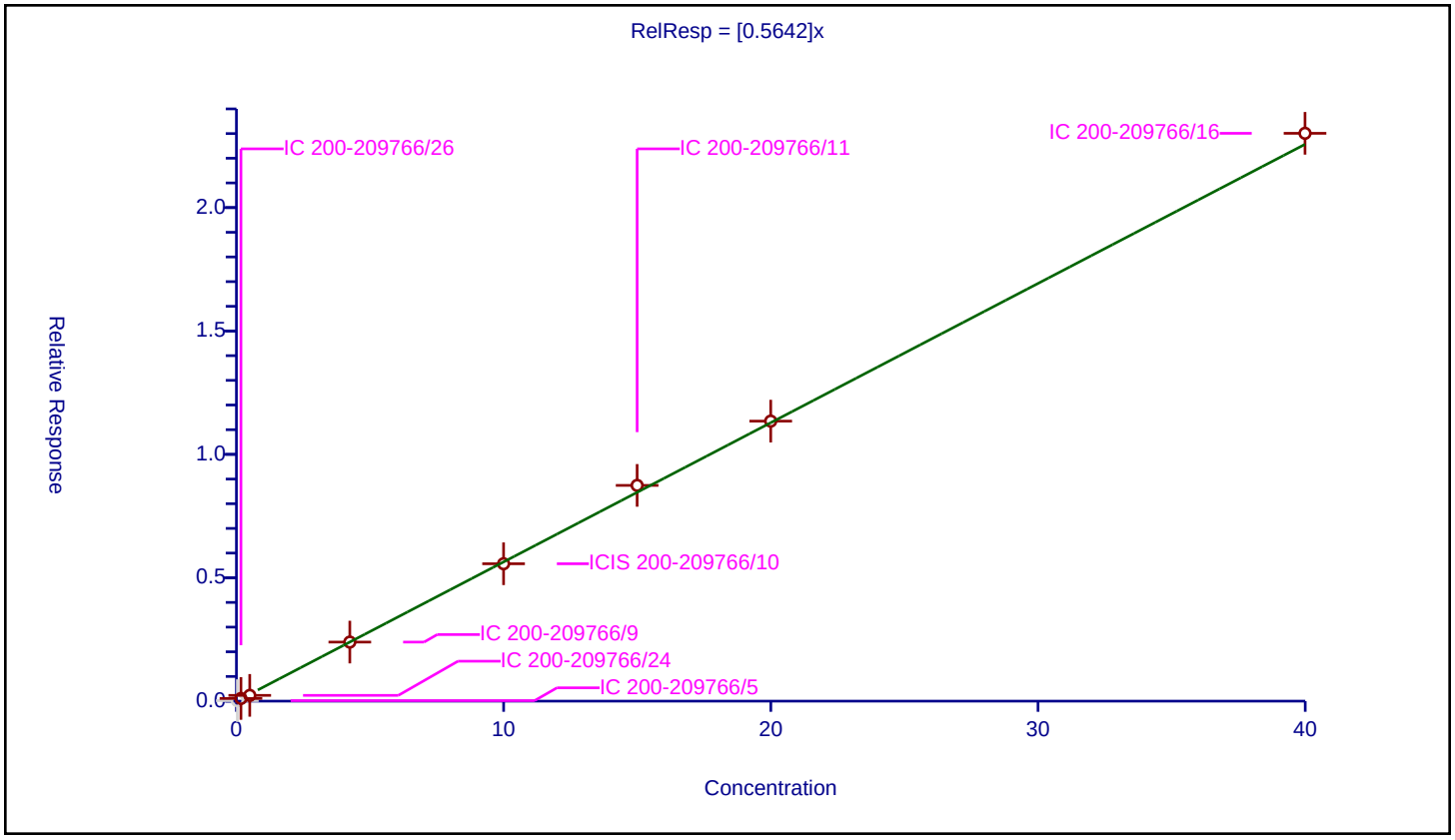
Curve Coefficients

Intercept:	0
Slope:	0.5642

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.019669	10.0	420468.0	0.560726	N
2	IC 200-209766/26	0.170154	0.108085	10.0	386641.0	0.635218	Y
3	IC 200-209766/24	0.499256	0.233442	10.0	385107.0	0.467579	Y
4	IC 200-209766/9	4.243678	2.393542	10.0	399759.0	0.564025	Y
5	ICIS 200-209766/10	9.99806	5.567231	10.0	407118.0	0.556831	Y
6	IC 200-209766/11	14.99709	8.743334	10.0	409926.0	0.583002	Y
7	IC 200-209766/14	19.99612	11.34779	10.0	411496.0	0.5675	Y
8	IC 200-209766/16	39.99224	23.010434	10.0	432137.0	0.575372	Y



Calibration / 2-Methylbutane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

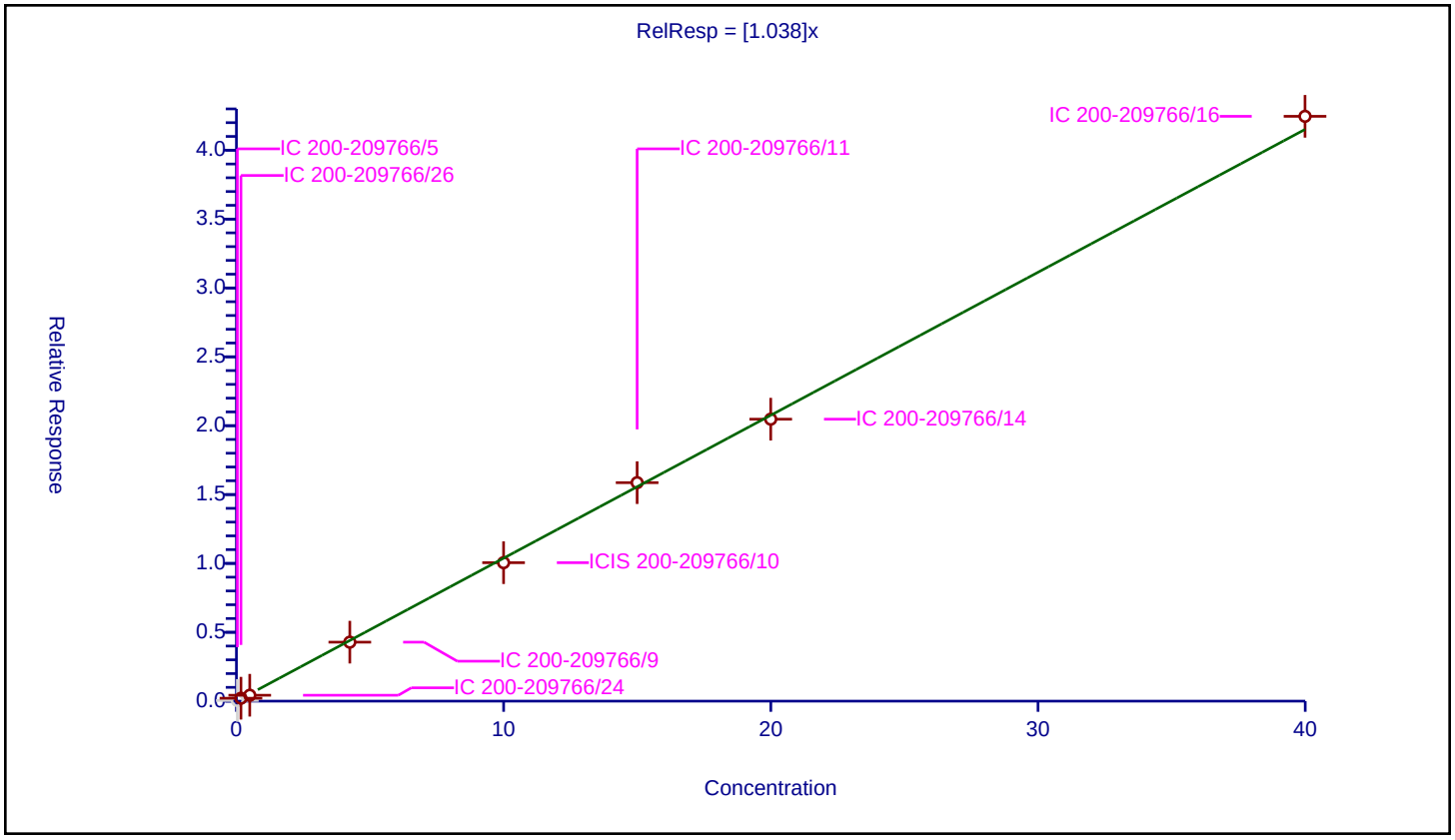
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.047566	10.0	420468.0	1.356049	N
2	IC 200-209766/26	0.170154	0.212704	10.0	386641.0	1.250067	Y
3	IC 200-209766/24	0.499256	0.428011	10.0	385107.0	0.857297	Y
4	IC 200-209766/9	4.243678	4.283106	10.0	399759.0	1.009291	Y
5	ICIS 200-209766/10	9.99806	10.053056	10.0	407118.0	1.005501	Y
6	IC 200-209766/11	14.99709	15.863863	10.0	409926.0	1.057796	Y
7	IC 200-209766/14	19.99612	20.471937	10.0	411496.0	1.023795	Y
8	IC 200-209766/16	39.99224	42.459845	10.0	432137.0	1.061702	Y



Calibration / Vinyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

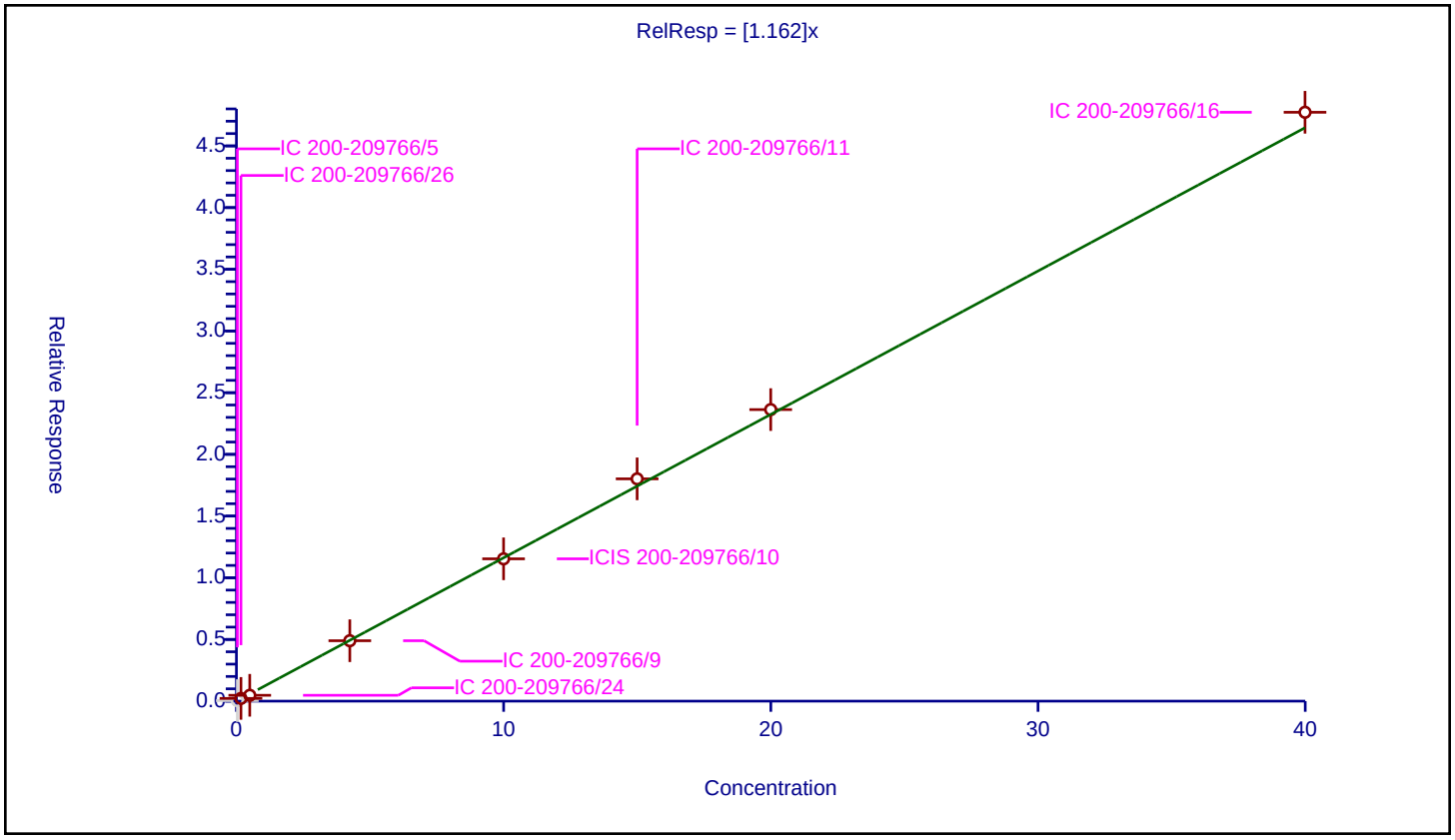
Curve Coefficients

Intercept:	0
Slope:	1.162

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.042286	10.0	420468.0	1.205527	N
2	IC 200-209766/26	0.170154	0.221394	10.0	386641.0	1.30114	Y
3	IC 200-209766/24	0.499256	0.473764	10.0	385107.0	0.94894	Y
4	IC 200-209766/9	4.243678	4.897326	10.0	399759.0	1.154028	Y
5	ICIS 200-209766/10	9.99806	11.533462	10.0	407118.0	1.15357	Y
6	IC 200-209766/11	14.99709	18.016593	10.0	409926.0	1.201339	Y
7	IC 200-209766/14	19.99612	23.629027	10.0	411496.0	1.181681	Y
8	IC 200-209766/16	39.99224	47.726531	10.0	432137.0	1.193395	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

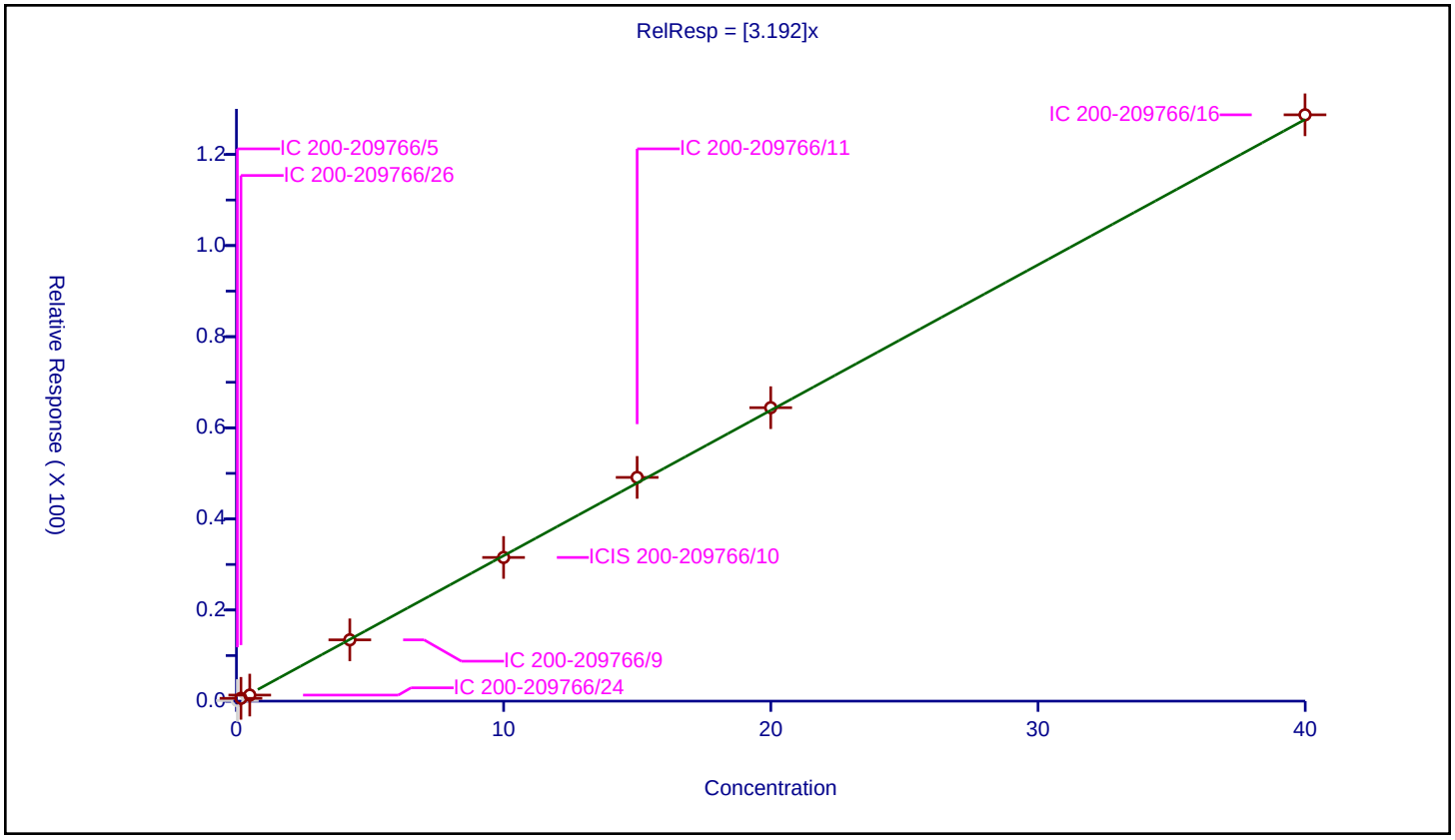
Curve Coefficients

Intercept:	0
Slope:	3.192

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.126312	10.0	420468.0	3.600988	N
2	IC 200-209766/26	0.170154	0.619101	10.0	386641.0	3.63848	Y
3	IC 200-209766/24	0.499256	1.332305	10.0	385107.0	2.668579	Y
4	IC 200-209766/9	4.243678	13.455032	10.0	399759.0	3.170606	Y
5	ICIS 200-209766/10	9.99806	31.540217	10.0	407118.0	3.154634	Y
6	IC 200-209766/11	14.99709	49.112035	10.0	409926.0	3.274771	Y
7	IC 200-209766/14	19.99612	64.418633	10.0	411496.0	3.221557	Y
8	IC 200-209766/16	39.99224	128.699672	10.0	432137.0	3.218116	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

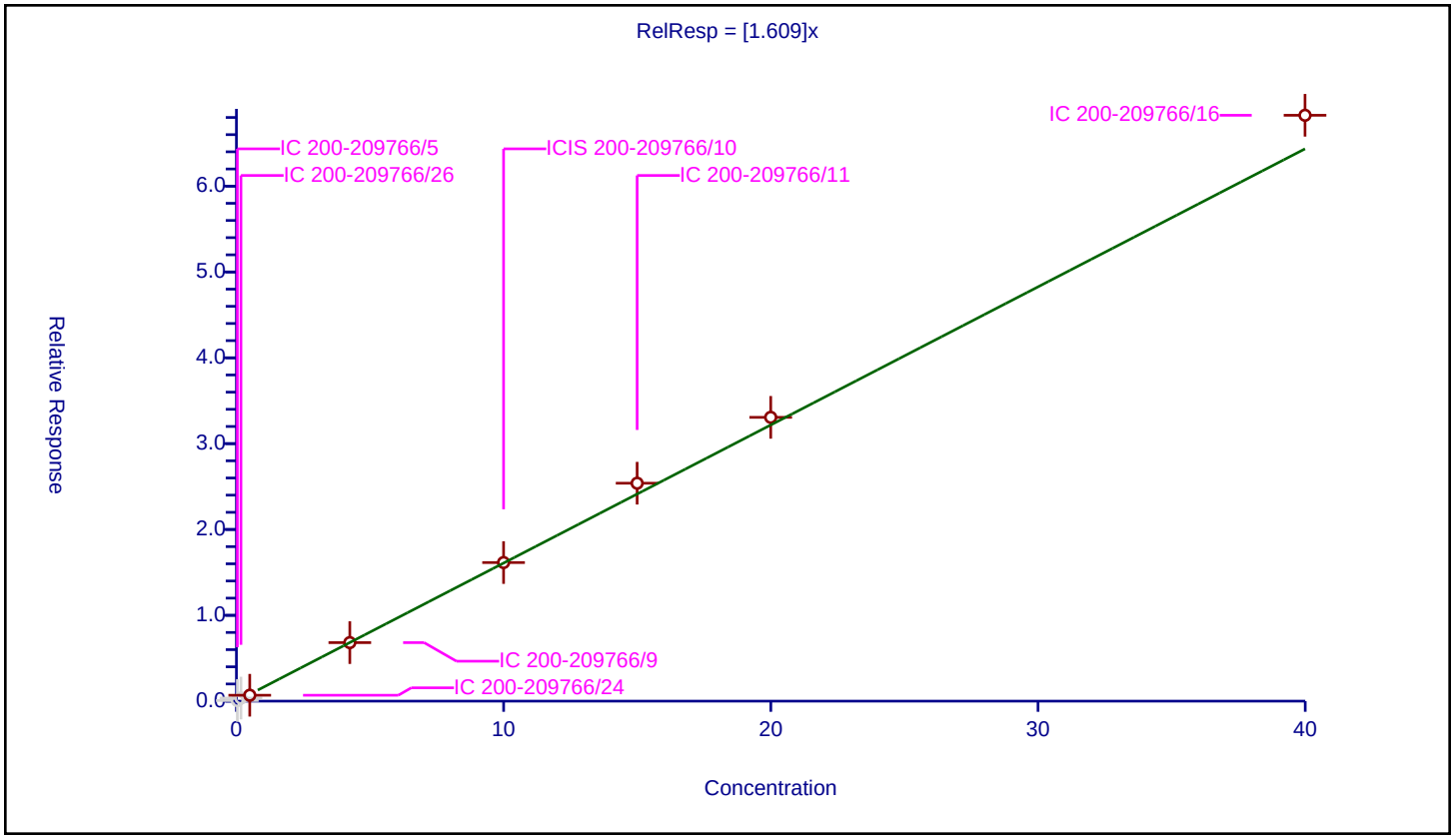
Curve Coefficients

Intercept:	0
Slope:	1.609

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.069304	10.0	420468.0	1.975763	N
2	IC 200-209766/26	0.170154	0.359377	10.0	386641.0	2.112072	N
3	IC 200-209766/24	0.499256	0.688432	10.0	385107.0	1.378915	Y
4	IC 200-209766/9	4.243678	6.818083	10.0	399759.0	1.606645	Y
5	ICIS 200-209766/10	9.99806	16.145982	10.0	407118.0	1.614912	Y
6	IC 200-209766/11	14.99709	25.388997	10.0	409926.0	1.692928	Y
7	IC 200-209766/14	19.99612	33.064185	10.0	411496.0	1.65353	Y
8	IC 200-209766/16	39.99224	68.254095	10.0	432137.0	1.706683	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

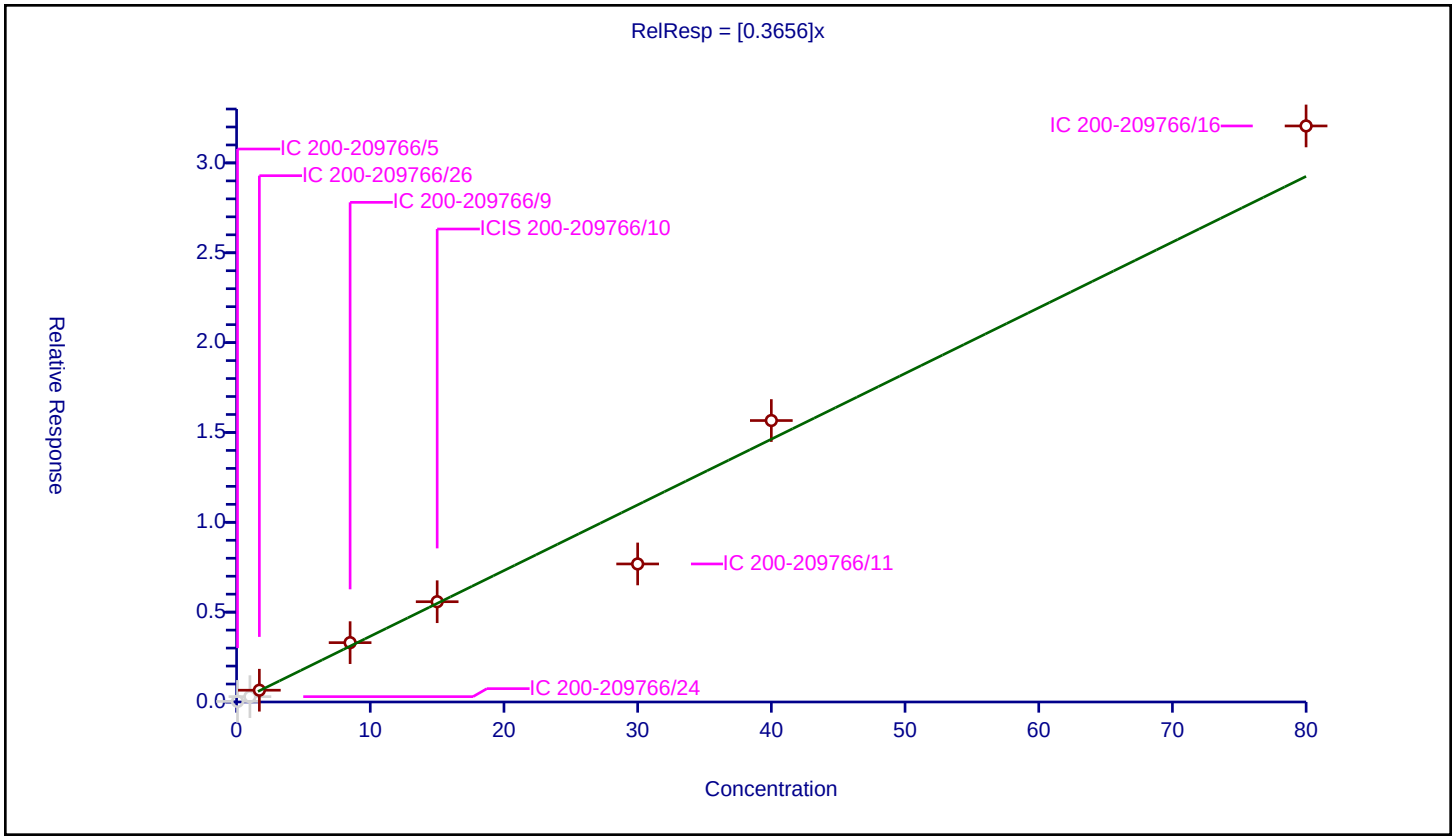
Curve Coefficients

Intercept:	0
Slope:	0.3656

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.070165	0.03225	10.0	420468.0	0.459626	N
2	IC 200-209766/24	0.999159	0.297632	10.0	385107.0	0.297882	N
3	IC 200-209766/26	1.703617	0.655388	10.0	386641.0	0.384704	Y
4	IC 200-209766/9	8.492854	3.302165	10.0	399759.0	0.388817	Y
5	ICIS 200-209766/10	15.003557	5.580176	10.0	407118.0	0.371924	Y
6	IC 200-209766/11	29.99903	7.682752	10.0	409926.0	0.2561	Y
7	IC 200-209766/14	39.998707	15.663603	10.0	411496.0	0.391603	Y
8	IC 200-209766/16	79.997413	32.057426	10.0	432137.0	0.400731	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

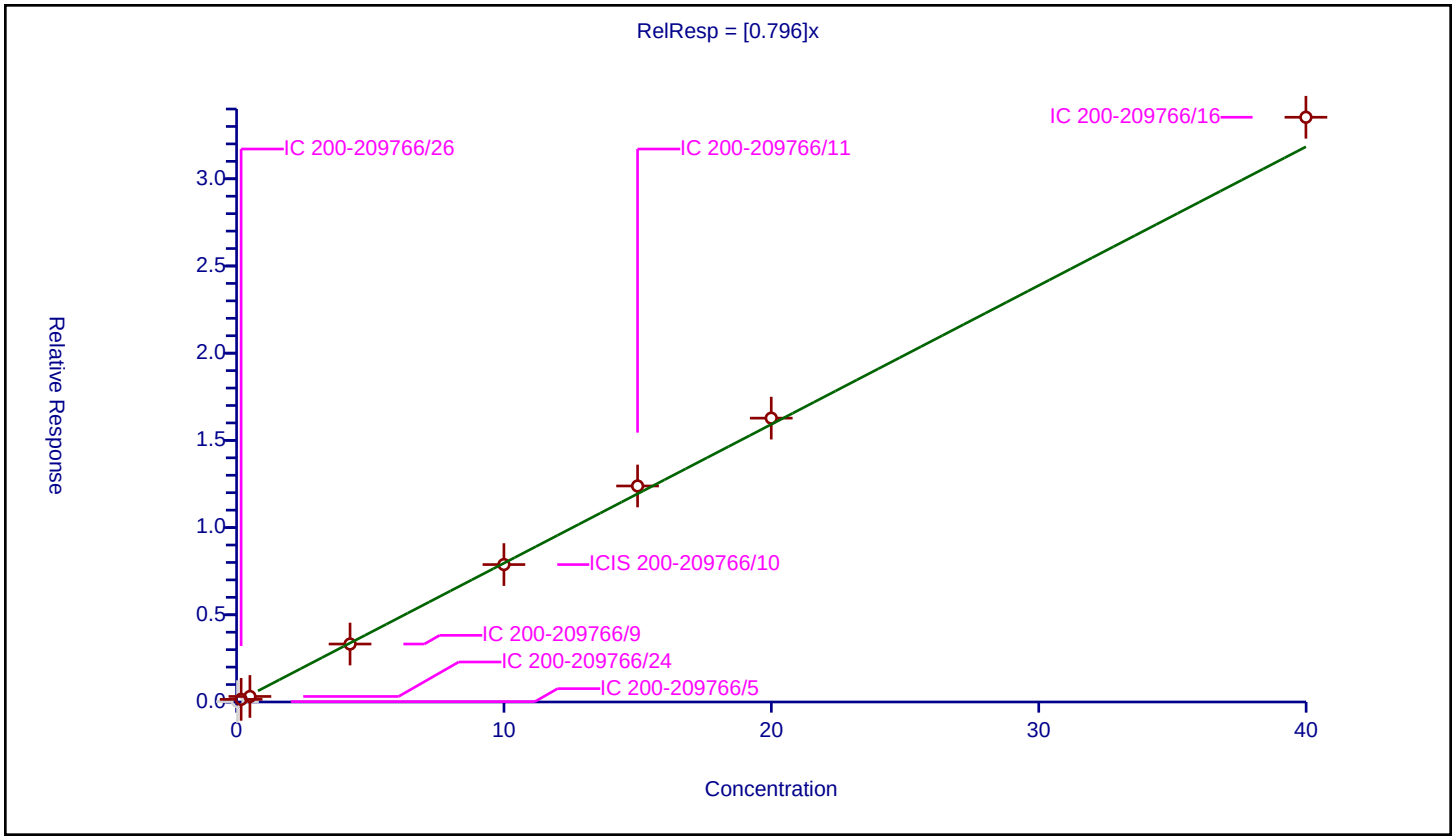
Curve Coefficients

Intercept:	0
Slope:	0.796

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.020216	10.0	420468.0	0.576321	N
2	IC 200-209766/26	0.170154	0.150786	10.0	386641.0	0.886174	Y
3	IC 200-209766/24	0.499256	0.317834	10.0	385107.0	0.636614	Y
4	IC 200-209766/9	4.243678	3.323427	10.0	399759.0	0.783148	Y
5	ICIS 200-209766/10	9.99806	7.880074	10.0	407118.0	0.78816	Y
6	IC 200-209766/11	14.99709	12.385504	10.0	409926.0	0.82586	Y
7	IC 200-209766/14	19.99612	16.275687	10.0	411496.0	0.813942	Y
8	IC 200-209766/16	39.99224	33.527793	10.0	432137.0	0.838357	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

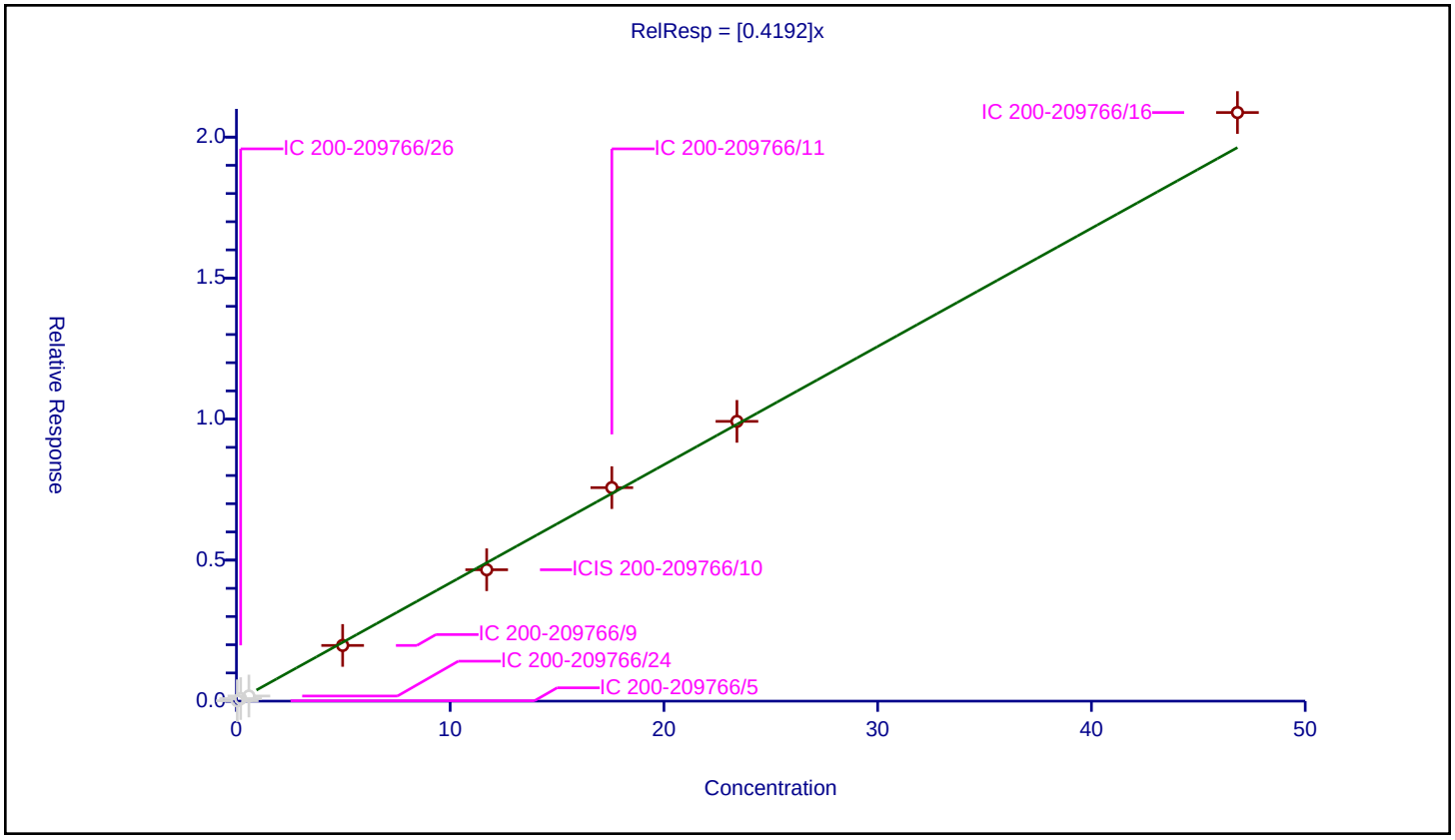
Curve Coefficients

Intercept:	0
Slope:	0.4192

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.041075	0.013556	10.0	420468.0	0.330038	N
2	IC 200-209766/26	0.19925	0.08998	10.0	386641.0	0.451594	N
3	IC 200-209766/24	0.584629	0.181638	10.0	385107.0	0.310689	N
4	IC 200-209766/9	4.969347	1.975215	10.0	399759.0	0.39748	Y
5	ICIS 200-209766/10	11.707728	4.65892	10.0	407118.0	0.397935	Y
6	IC 200-209766/11	17.561592	7.570903	10.0	409926.0	0.431106	Y
7	IC 200-209766/14	23.415456	9.920339	10.0	411496.0	0.423666	Y
8	IC 200-209766/16	46.830913	20.87146	10.0	432137.0	0.445677	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

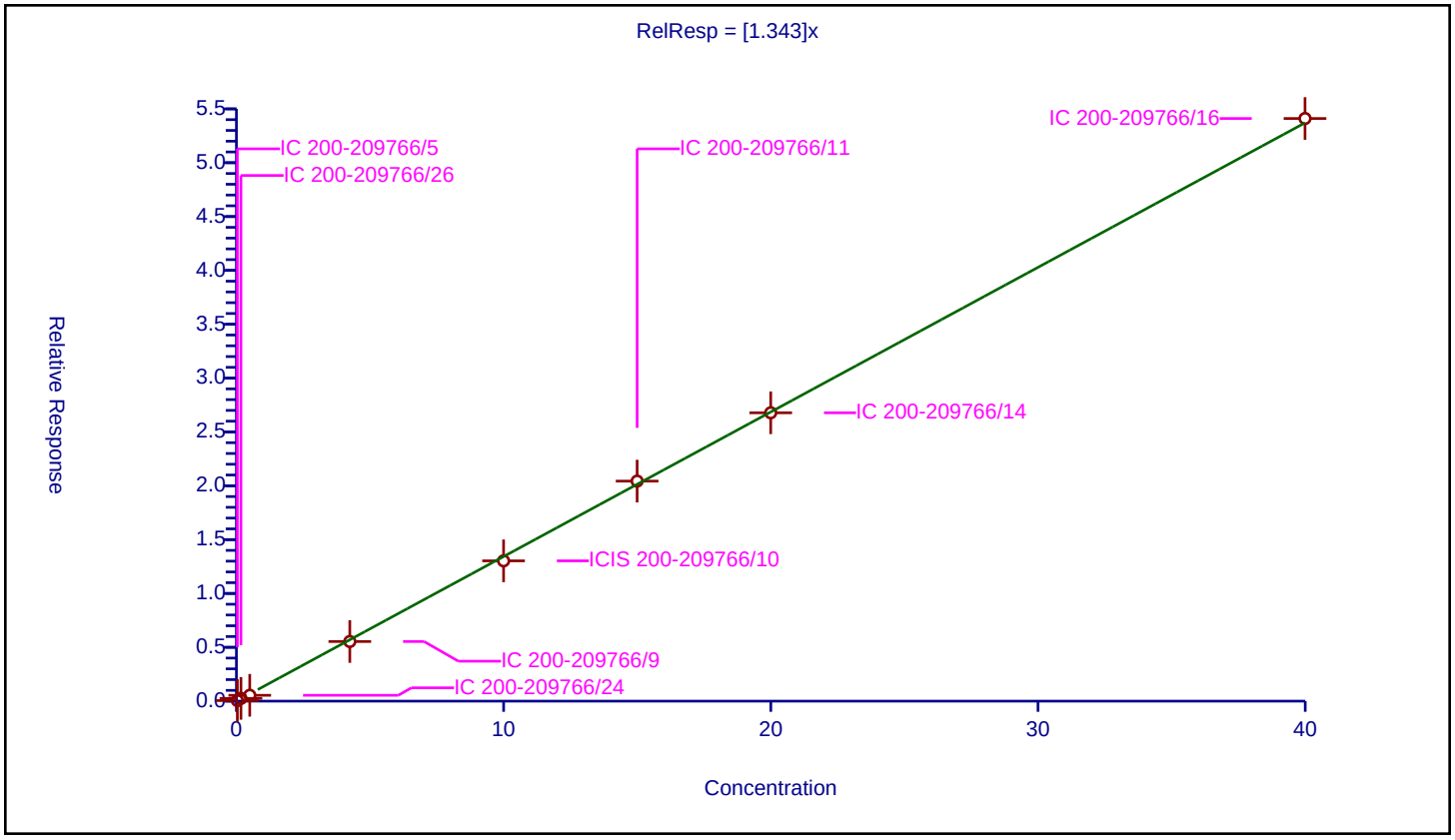
Curve Coefficients

Intercept:	0
Slope:	1.343

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.052299	10.0	420468.0	1.490976	Y
2	IC 200-209766/26	0.170154	0.255457	10.0	386641.0	1.501327	Y
3	IC 200-209766/24	0.499256	0.54333	10.0	385107.0	1.088278	Y
4	IC 200-209766/9	4.243678	5.536936	10.0	399759.0	1.304749	Y
5	ICIS 200-209766/10	9.99806	13.028385	10.0	407118.0	1.303091	Y
6	IC 200-209766/11	14.99709	20.434322	10.0	409926.0	1.362553	Y
7	IC 200-209766/14	19.99612	26.778535	10.0	411496.0	1.339187	Y
8	IC 200-209766/16	39.99224	54.108327	10.0	432137.0	1.352971	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

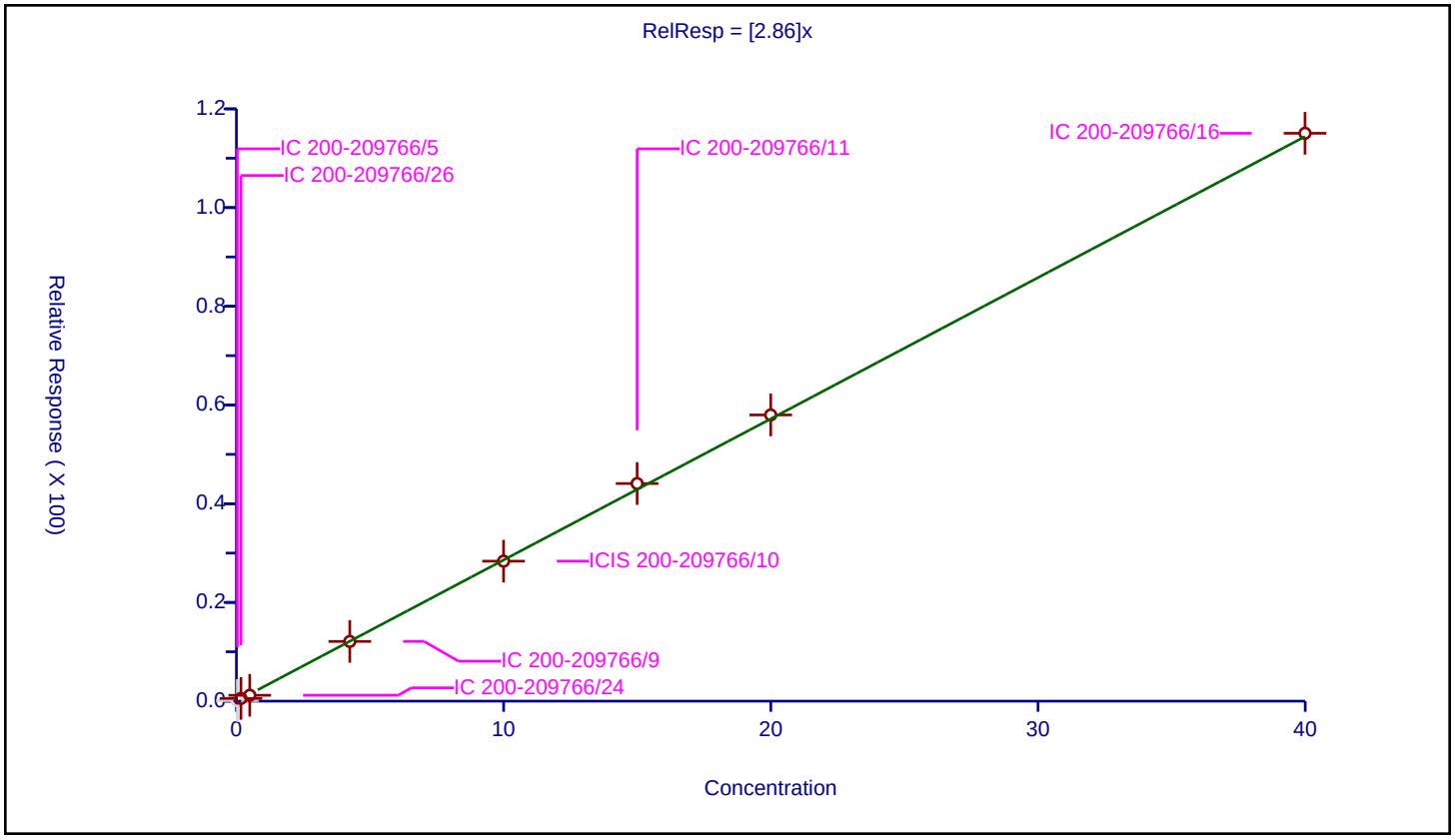
Curve Coefficients

Intercept:	0
Slope:	2.86

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.109259	10.0	420468.0	3.114844	N
2	IC 200-209766/26	0.170154	0.550588	10.0	386641.0	3.235826	Y
3	IC 200-209766/24	0.499256	1.190033	10.0	385107.0	2.383611	Y
4	IC 200-209766/9	4.243678	12.095362	10.0	399759.0	2.850207	Y
5	ICIS 200-209766/10	9.99806	28.3591	10.0	407118.0	2.83646	Y
6	IC 200-209766/11	14.99709	44.08986	10.0	409926.0	2.939894	Y
7	IC 200-209766/14	19.99612	57.987757	10.0	411496.0	2.89995	Y
8	IC 200-209766/16	39.99224	115.058928	10.0	432137.0	2.877031	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

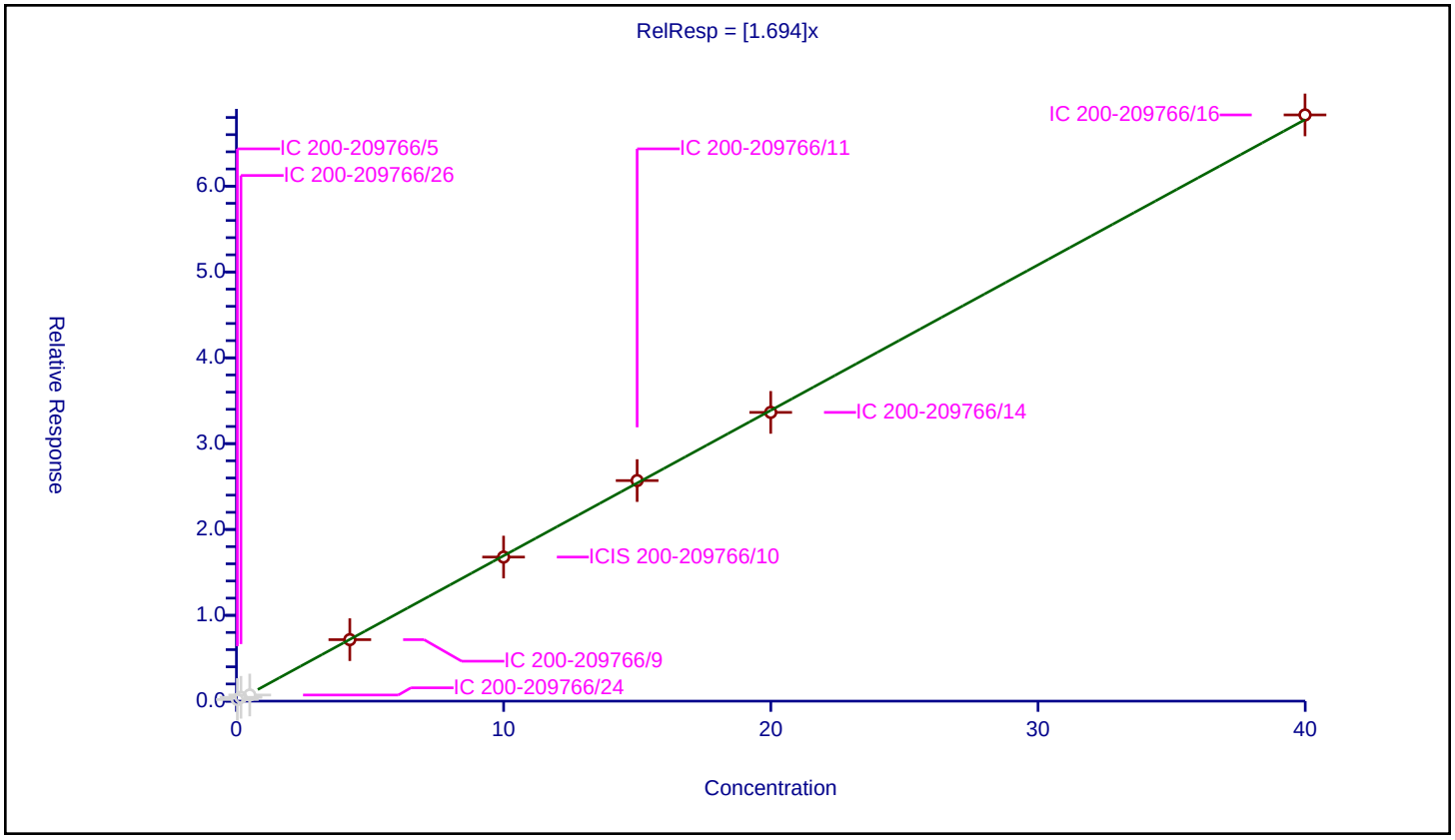
Curve Coefficients

Intercept:	0
Slope:	1.694

Error Coefficients

Relative Standard Deviation:	0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.190621	10.0	420468.0	5.434366	N
2	IC 200-209766/26	0.170154	0.445969	10.0	386641.0	2.620976	N
3	IC 200-209766/24	0.499256	0.715256	10.0	385107.0	1.432642	N
4	IC 200-209766/9	4.243678	7.162015	10.0	399759.0	1.68769	Y
5	ICIS 200-209766/10	9.99806	16.785207	10.0	407118.0	1.678846	Y
6	IC 200-209766/11	14.99709	25.698199	10.0	409926.0	1.713546	Y
7	IC 200-209766/14	19.99612	33.642368	10.0	411496.0	1.682445	Y
8	IC 200-209766/16	39.99224	68.297785	10.0	432137.0	1.707776	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

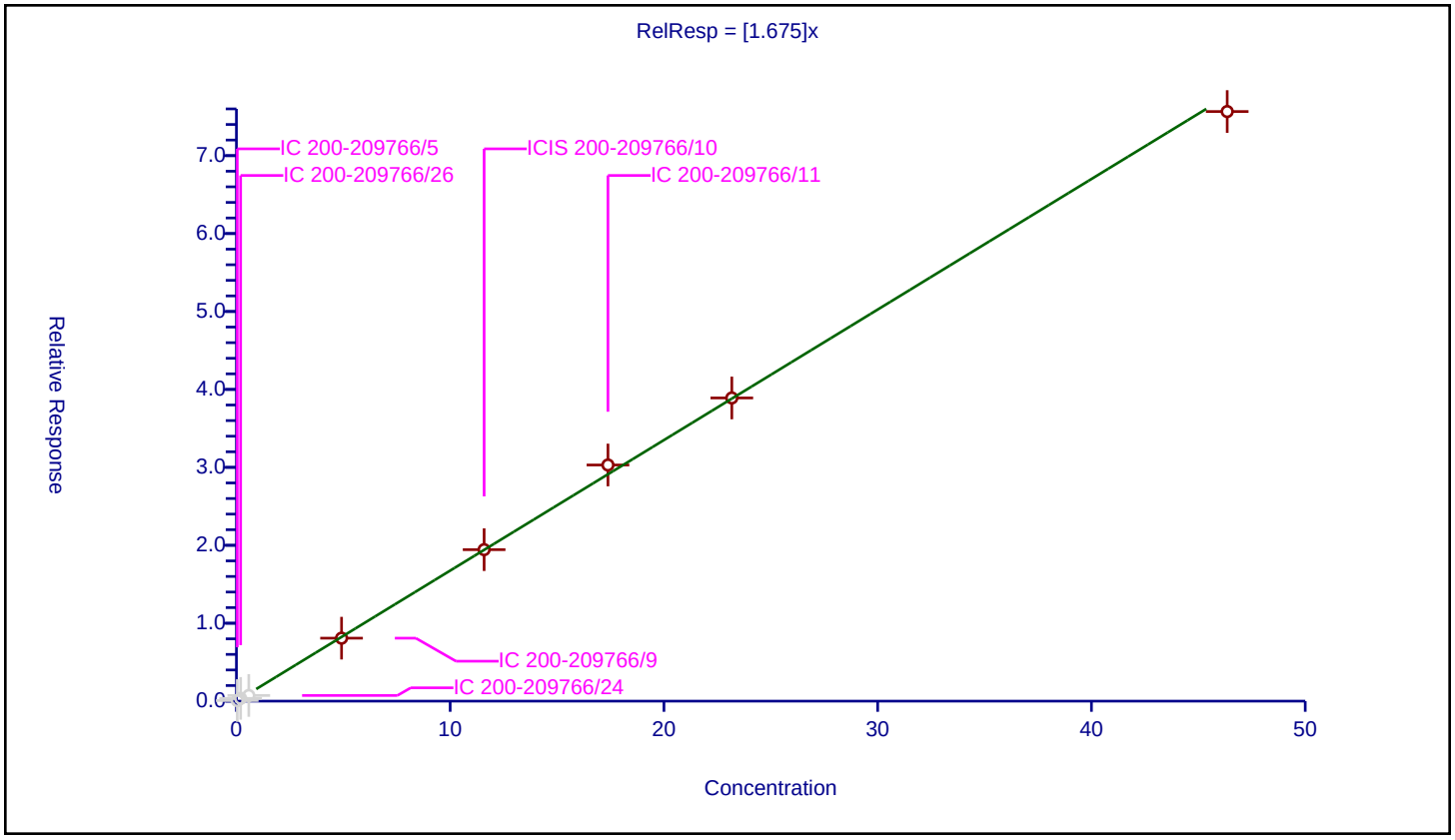
Curve Coefficients

Intercept:	0
Slope:	1.675

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.040654	0.075083	10.0	420468.0	1.846871	N
2	IC 200-209766/26	0.197208	0.352937	10.0	386641.0	1.789667	N
3	IC 200-209766/24	0.578638	0.725876	10.0	385107.0	1.254456	N
4	IC 200-209766/9	4.918423	8.080969	10.0	399759.0	1.643	Y
5	ICIS 200-209766/10	11.587751	19.439008	10.0	407118.0	1.677548	Y
6	IC 200-209766/11	17.381627	30.304152	10.0	409926.0	1.743459	Y
7	IC 200-209766/14	23.175503	38.906332	10.0	411496.0	1.67877	Y
8	IC 200-209766/16	46.351006	75.661306	10.0	432137.0	1.632355	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

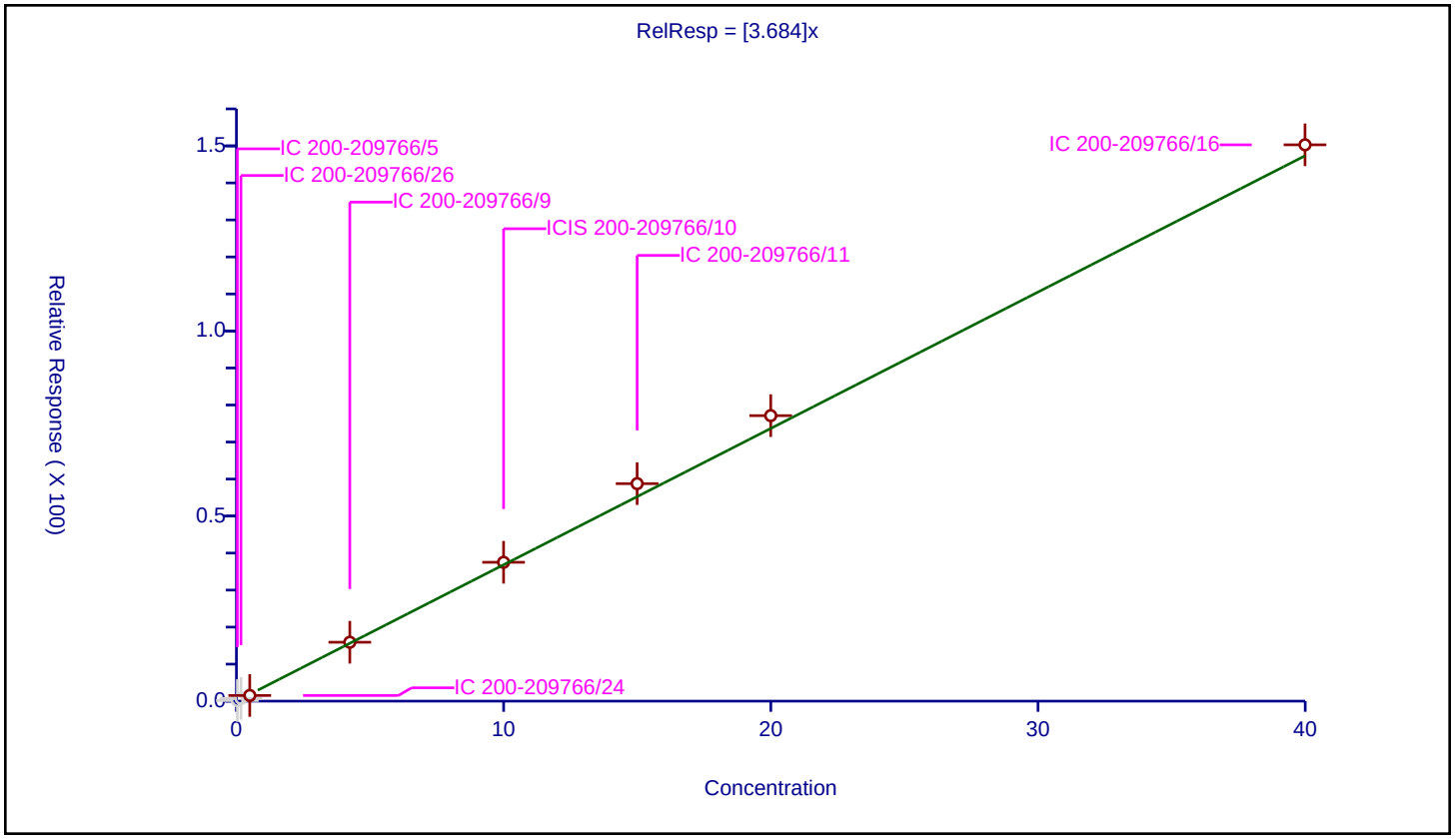
Curve Coefficients

Intercept:	0
Slope:	3.684

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.155065	10.0	420468.0	4.420719	N
2	IC 200-209766/26	0.170154	0.741954	10.0	386641.0	4.360491	N
3	IC 200-209766/24	0.499256	1.531756	10.0	385107.0	3.068076	Y
4	IC 200-209766/9	4.243678	15.912087	10.0	399759.0	3.749598	Y
5	ICIS 200-209766/10	9.99806	37.514259	10.0	407118.0	3.752154	Y
6	IC 200-209766/11	14.99709	58.760069	10.0	409926.0	3.918098	Y
7	IC 200-209766/14	19.99612	77.128818	10.0	411496.0	3.857189	Y
8	IC 200-209766/16	39.99224	150.293449	10.0	432137.0	3.758065	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

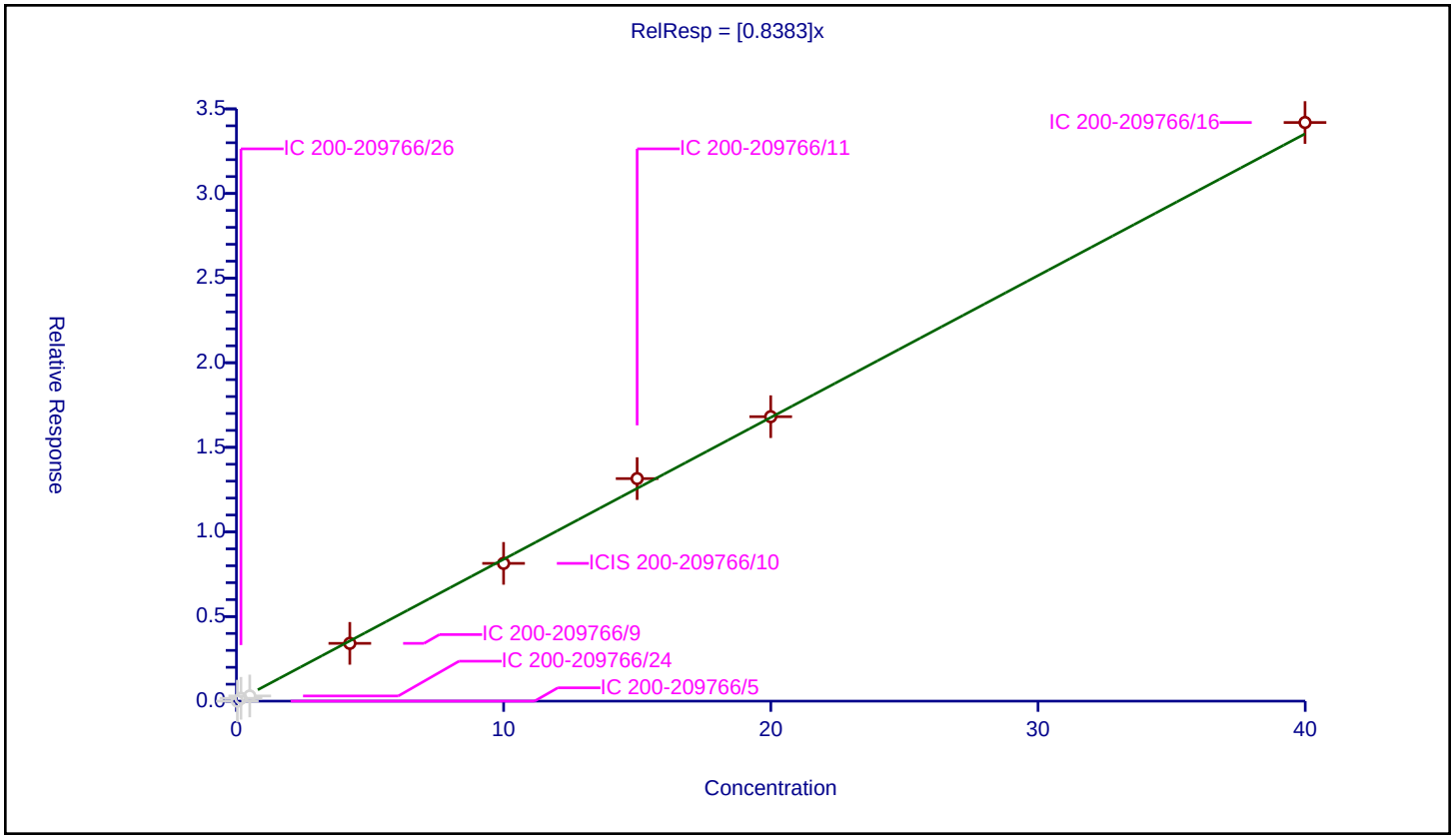
Curve Coefficients

Intercept:	0
Slope:	0.8383

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.0	10.0	420468.0	0.0	N
2	IC 200-209766/26	0.170154	0.167365	10.0	386641.0	0.983607	N
3	IC 200-209766/24	0.499256	0.305967	10.0	385107.0	0.612845	N
4	IC 200-209766/9	4.243678	3.414907	10.0	399759.0	0.804705	Y
5	ICIS 200-209766/10	9.99806	8.140809	10.0	407118.0	0.814239	Y
6	IC 200-209766/11	14.99709	13.152106	10.0	409926.0	0.876977	Y
7	IC 200-209766/14	19.99612	16.811536	10.0	411496.0	0.84074	Y
8	IC 200-209766/16	39.99224	34.195382	10.0	432137.0	0.85505	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

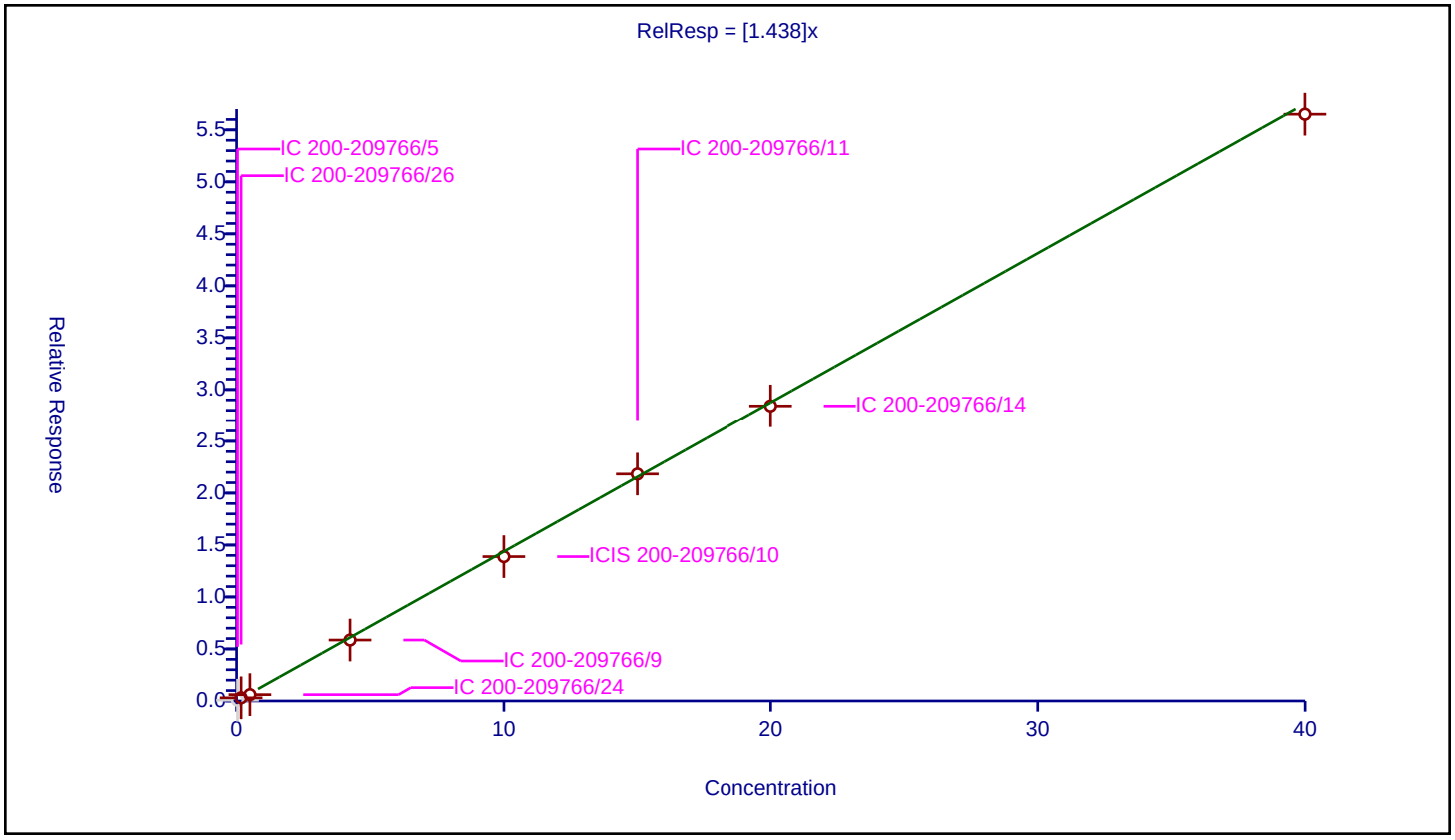
Curve Coefficients

Intercept:	0
Slope:	1.438

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.072015	10.0	420468.0	2.053058	N
2	IC 200-209766/26	0.170154	0.304003	10.0	386641.0	1.786635	Y
3	IC 200-209766/24	0.499256	0.608065	10.0	385107.0	1.217941	Y
4	IC 200-209766/9	4.243678	5.85863	10.0	399759.0	1.380555	Y
5	ICIS 200-209766/10	9.99806	13.883886	10.0	407118.0	1.388658	Y
6	IC 200-209766/11	14.99709	21.838283	10.0	409926.0	1.456168	Y
7	IC 200-209766/14	19.99612	28.424772	10.0	411496.0	1.421514	Y
8	IC 200-209766/16	39.99224	56.505715	10.0	432137.0	1.412917	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

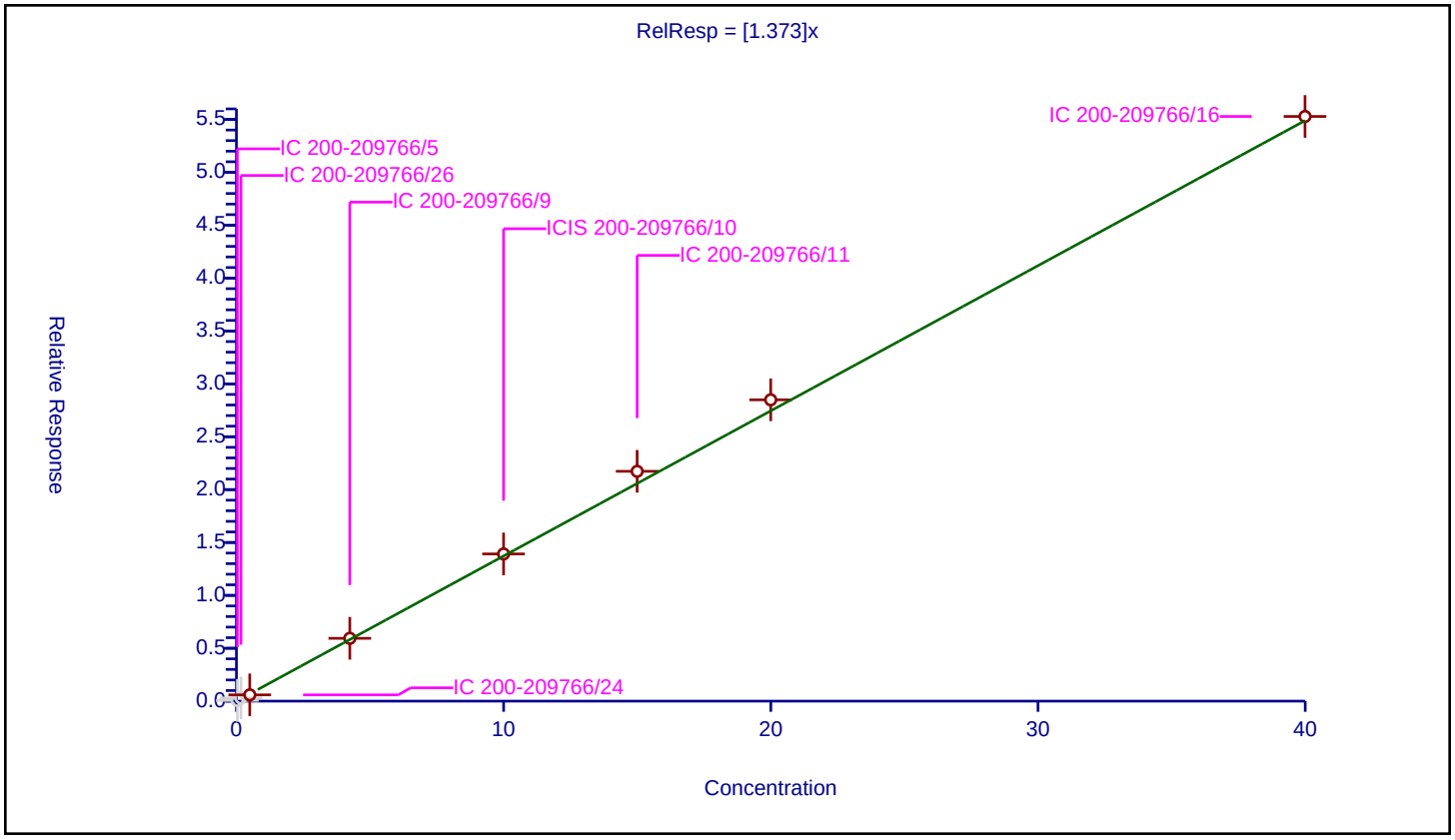
Curve Coefficients

Intercept:	0
Slope:	1.373

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.067306	10.0	420468.0	1.918809	N
2	IC 200-209766/26	0.170154	0.297589	10.0	386641.0	1.748939	N
3	IC 200-209766/24	0.499256	0.592874	10.0	385107.0	1.187515	Y
4	IC 200-209766/9	4.243678	5.938678	10.0	399759.0	1.399418	Y
5	ICIS 200-209766/10	9.99806	13.918815	10.0	407118.0	1.392152	Y
6	IC 200-209766/11	14.99709	21.731459	10.0	409926.0	1.449045	Y
7	IC 200-209766/14	19.99612	28.49097	10.0	411496.0	1.424825	Y
8	IC 200-209766/16	39.99224	55.285731	10.0	432137.0	1.382411	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

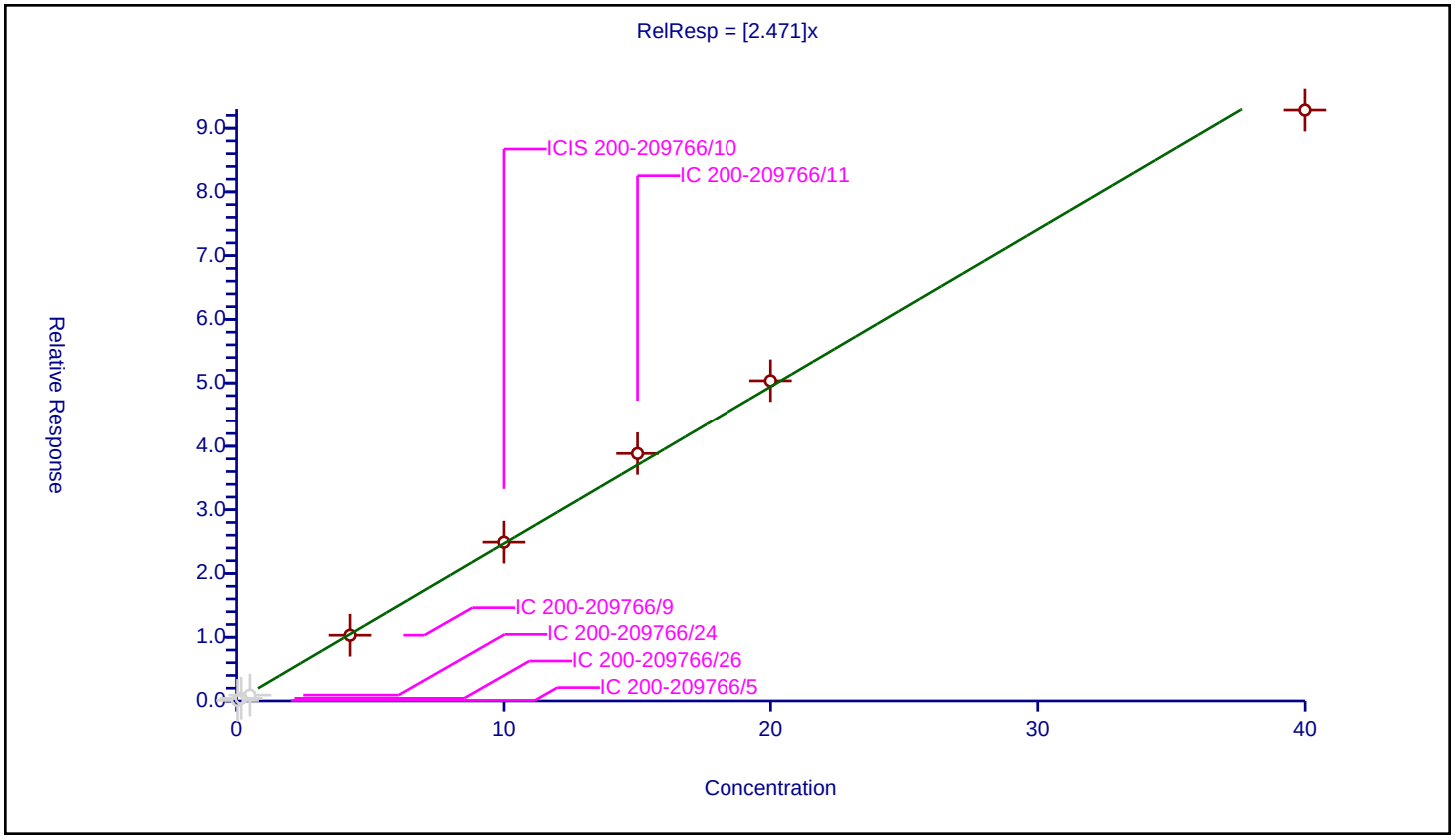
Curve Coefficients

Intercept:	0
Slope:	2.471

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.085476	10.0	420468.0	2.43682	N
2	IC 200-209766/26	0.170154	0.414415	10.0	386641.0	2.435533	N
3	IC 200-209766/24	0.499256	0.918758	10.0	385107.0	1.840253	N
4	IC 200-209766/9	4.243678	10.318767	10.0	399759.0	2.431562	Y
5	ICIS 200-209766/10	9.99806	24.914005	10.0	407118.0	2.491884	Y
6	IC 200-209766/11	14.99709	38.847597	10.0	409926.0	2.590342	Y
7	IC 200-209766/14	19.99612	50.347707	10.0	411496.0	2.517874	Y
8	IC 200-209766/16	39.99224	92.842848	10.0	432137.0	2.321522	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

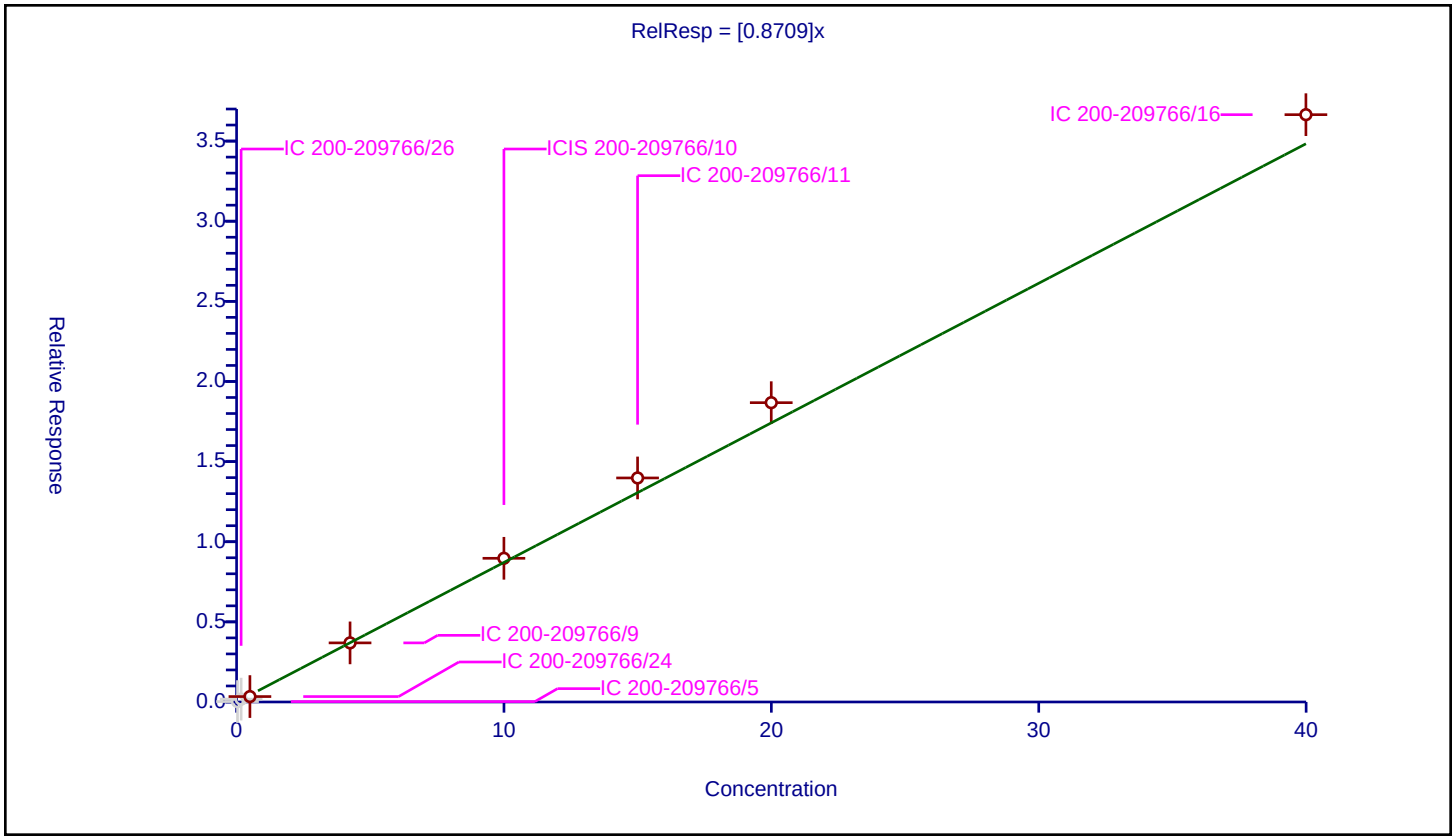
Curve Coefficients

Intercept:	0
Slope:	0.8709

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.024948	10.0	420468.0	0.711248	N
2	IC 200-209766/26	0.170154	0.178046	10.0	386641.0	1.046384	N
3	IC 200-209766/24	0.499256	0.338062	10.0	385107.0	0.677131	Y
4	IC 200-209766/9	4.243678	3.687747	10.0	399759.0	0.868998	Y
5	ICIS 200-209766/10	9.99806	8.966761	10.0	407118.0	0.89685	Y
6	IC 200-209766/11	14.99709	13.979255	10.0	409926.0	0.932131	Y
7	IC 200-209766/14	19.99612	18.676925	10.0	411496.0	0.934027	Y
8	IC 200-209766/16	39.99224	36.64729	10.0	432137.0	0.91636	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

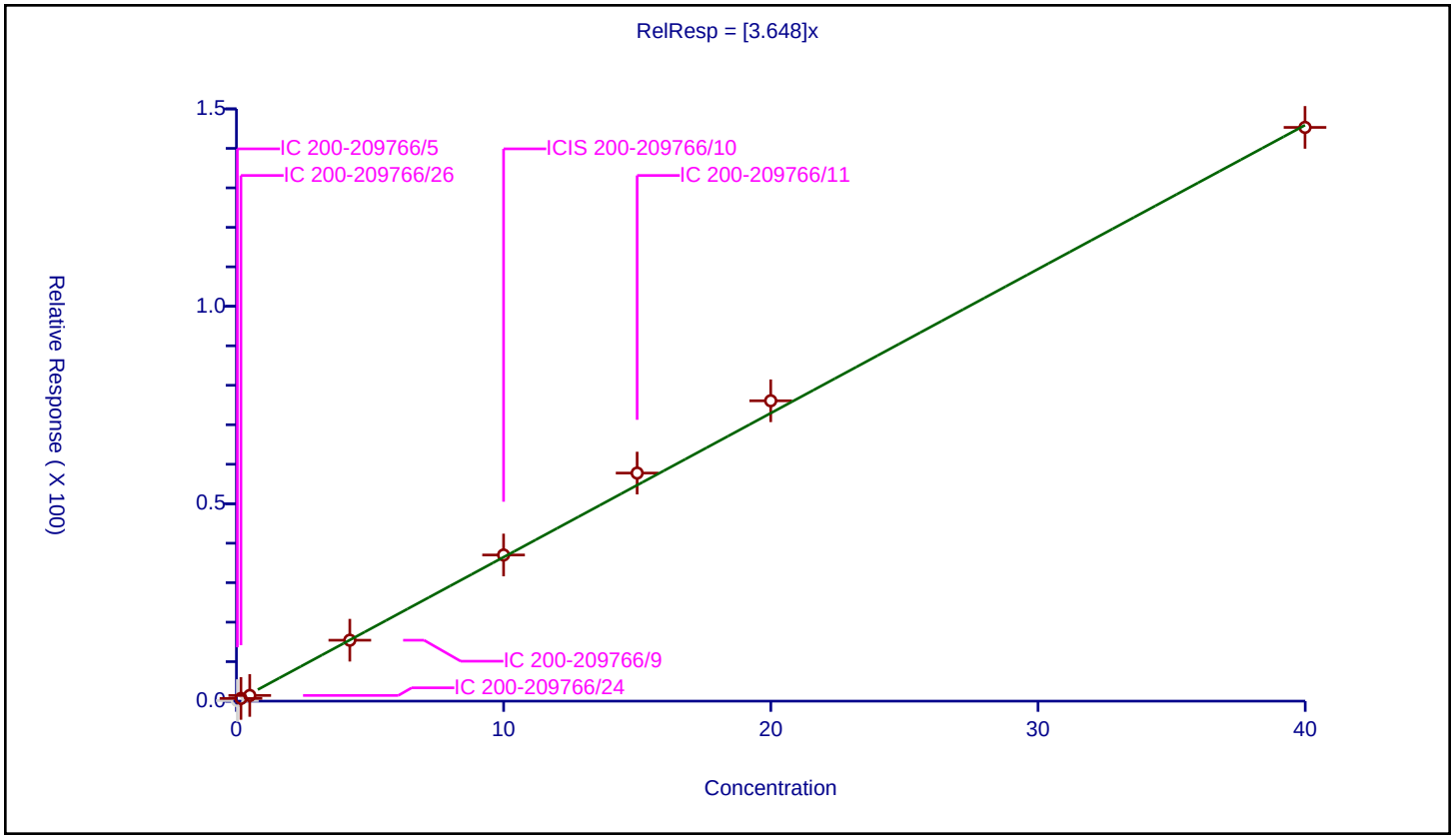
Curve Coefficients

Intercept:	0
Slope:	3.648

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.137656	10.0	420468.0	3.924405	N
2	IC 200-209766/26	0.170154	0.683502	10.0	386641.0	4.016966	Y
3	IC 200-209766/24	0.499256	1.441911	10.0	385107.0	2.888118	Y
4	IC 200-209766/9	4.243678	15.433173	10.0	399759.0	3.636744	Y
5	ICIS 200-209766/10	9.99806	37.013519	10.0	407118.0	3.70207	Y
6	IC 200-209766/11	14.99709	57.764597	10.0	409926.0	3.85172	Y
7	IC 200-209766/14	19.99612	76.075952	10.0	411496.0	3.804536	Y
8	IC 200-209766/16	39.99224	145.310214	10.0	432137.0	3.63346	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

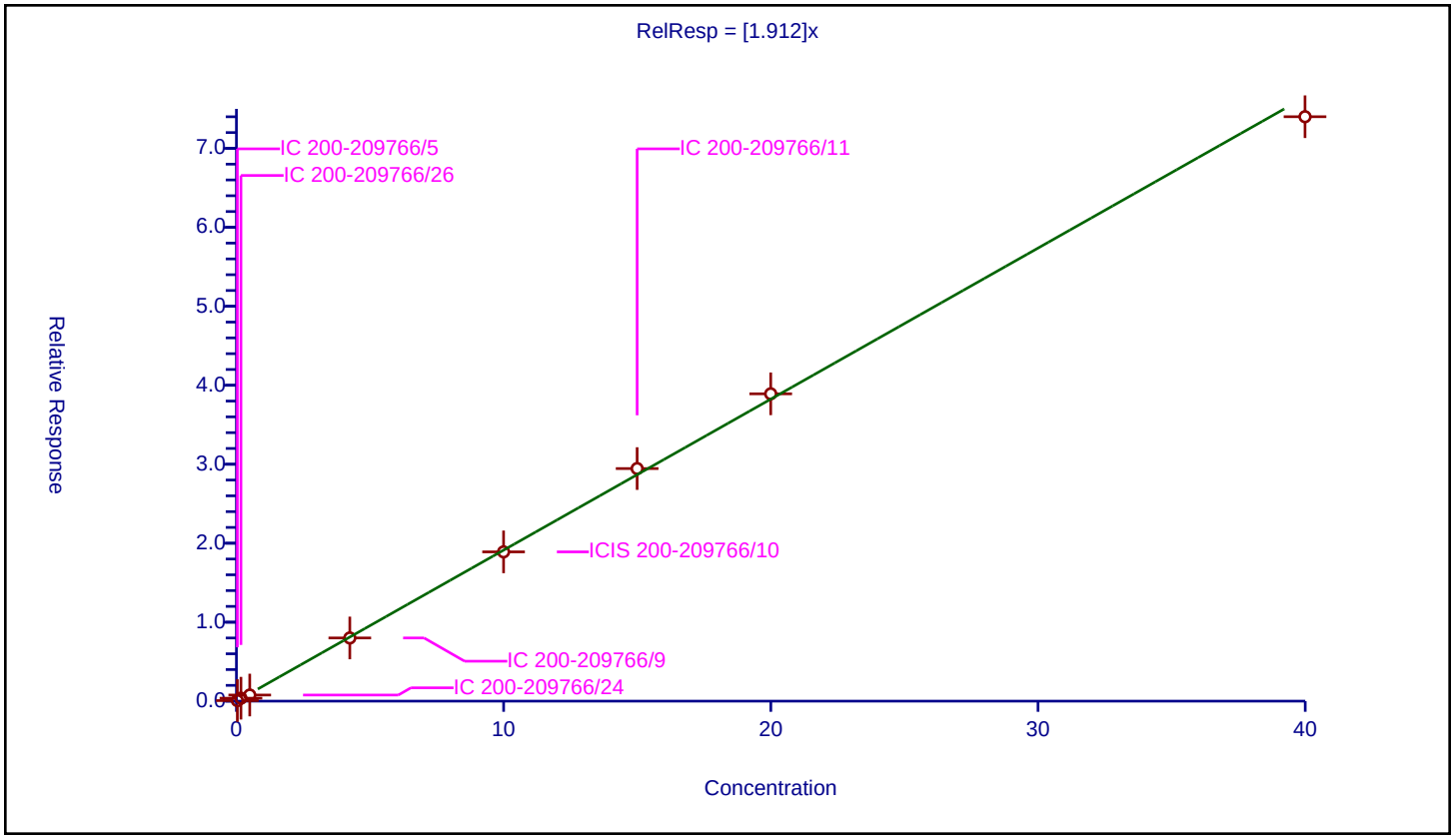
Curve Coefficients

Intercept:	0
Slope:	1.912

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.070636	10.0	420468.0	2.013732	Y
2	IC 200-209766/26	0.170154	0.373654	10.0	386641.0	2.195978	Y
3	IC 200-209766/24	0.499256	0.775213	10.0	385107.0	1.552736	Y
4	IC 200-209766/9	4.243678	8.001196	10.0	399759.0	1.885439	Y
5	ICIS 200-209766/10	9.99806	18.902922	10.0	407118.0	1.890659	Y
6	IC 200-209766/11	14.99709	29.452999	10.0	409926.0	1.963914	Y
7	IC 200-209766/14	19.99612	38.916198	10.0	411496.0	1.946188	Y
8	IC 200-209766/16	39.99224	74.008335	10.0	432137.0	1.850567	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

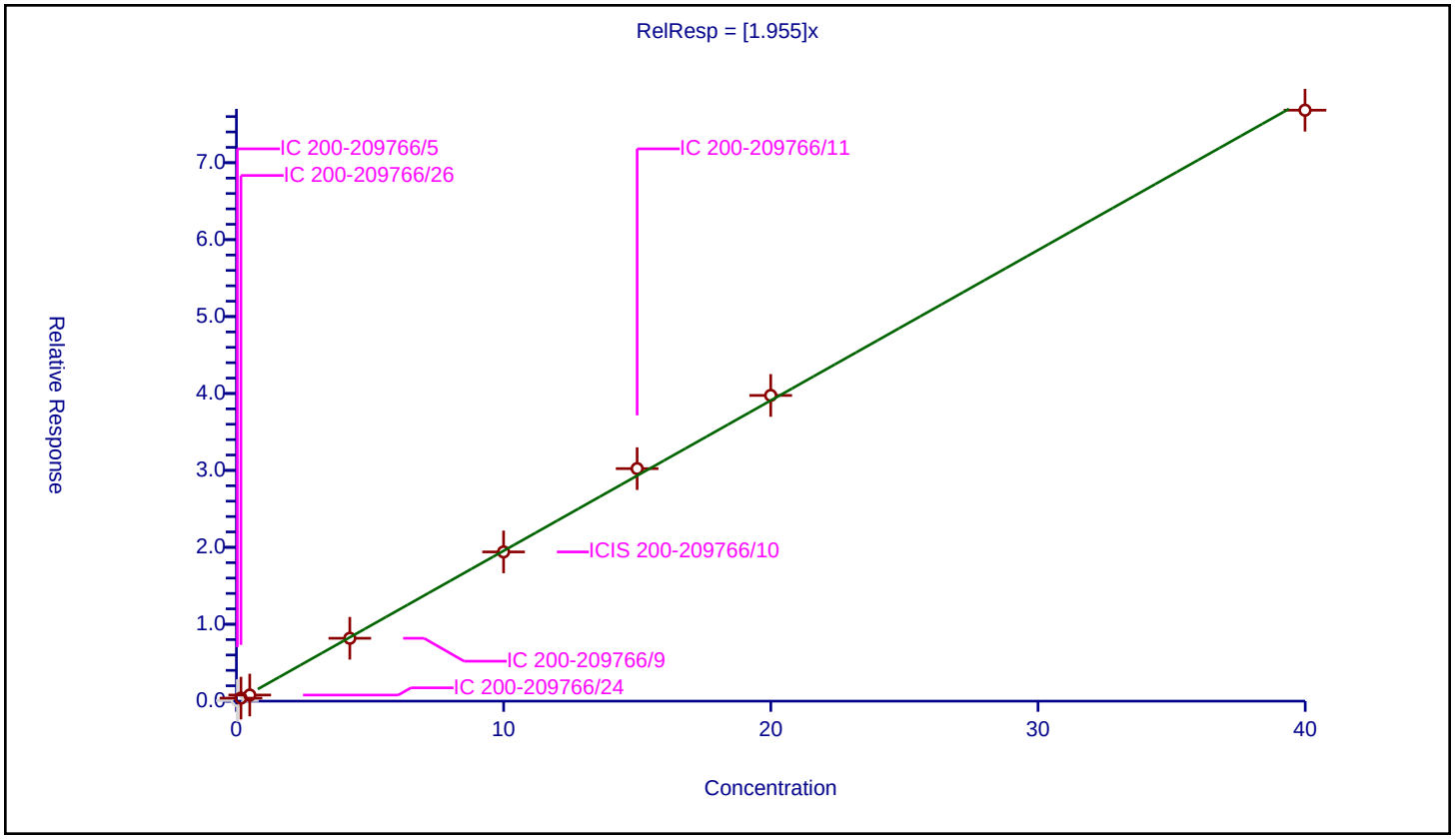
Curve Coefficients

Intercept:	0
Slope:	1.955

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.078008	10.0	420468.0	2.22392	N
2	IC 200-209766/26	0.170154	0.391862	10.0	386641.0	2.302987	Y
3	IC 200-209766/24	0.499256	0.793026	10.0	385107.0	1.588415	Y
4	IC 200-209766/9	4.243678	8.173149	10.0	399759.0	1.925959	Y
5	ICIS 200-209766/10	9.99806	19.399167	10.0	407118.0	1.940293	Y
6	IC 200-209766/11	14.99709	30.233213	10.0	409926.0	2.015939	Y
7	IC 200-209766/14	19.99612	39.748503	10.0	411496.0	1.987811	Y
8	IC 200-209766/16	39.99224	76.828876	10.0	432137.0	1.921095	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

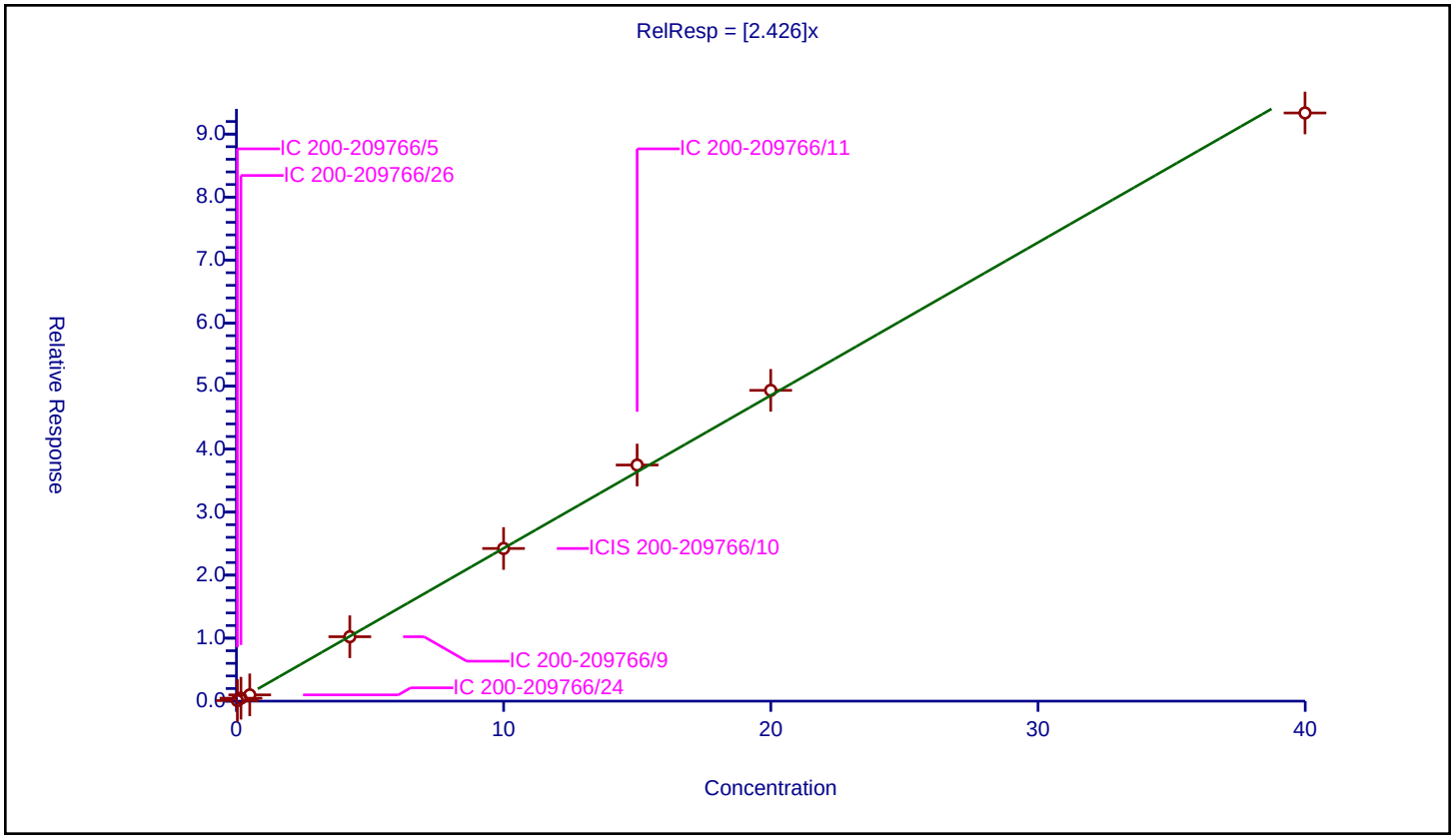
Curve Coefficients

Intercept:	0
Slope:	2.426

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.089281	10.0	420468.0	2.545304	Y
2	IC 200-209766/26	0.170154	0.46666	10.0	386641.0	2.742578	Y
3	IC 200-209766/24	0.499256	0.99375	10.0	385107.0	1.99046	Y
4	IC 200-209766/9	4.243678	10.22426	10.0	399759.0	2.409292	Y
5	ICIS 200-209766/10	9.99806	24.229585	10.0	407118.0	2.423429	Y
6	IC 200-209766/11	14.99709	37.476788	10.0	409926.0	2.498937	Y
7	IC 200-209766/14	19.99612	49.331488	10.0	411496.0	2.467053	Y
8	IC 200-209766/16	39.99224	93.353774	10.0	432137.0	2.334297	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

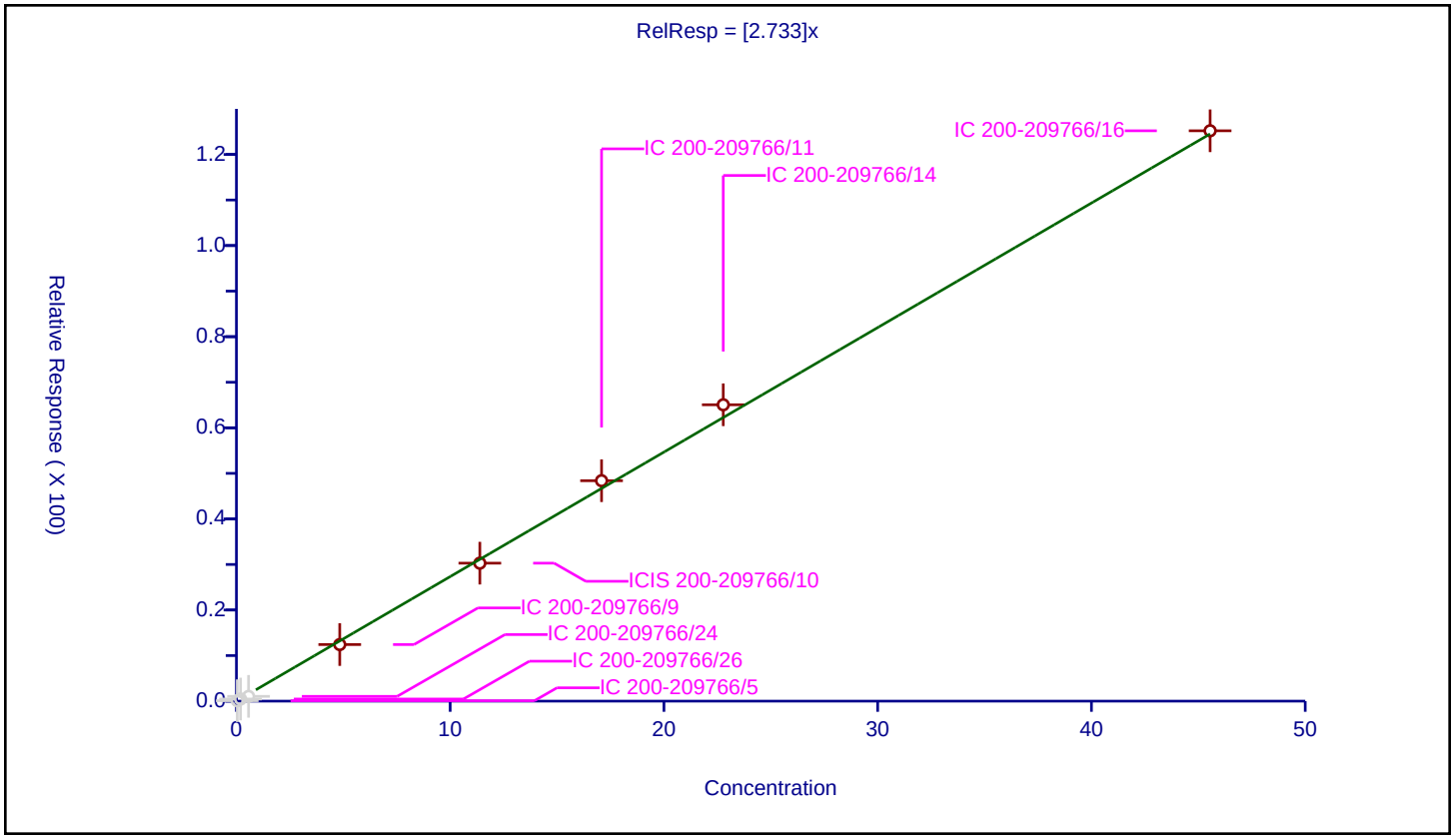
Curve Coefficients

Intercept:	0
Slope:	2.733

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.039953	0.092231	10.0	420468.0	2.308498	N
2	IC 200-209766/26	0.193805	0.46635	10.0	386641.0	2.406281	N
3	IC 200-209766/24	0.568653	1.047112	10.0	385107.0	1.84139	N
4	IC 200-209766/9	4.83355	12.420608	10.0	399759.0	2.569666	Y
5	ICIS 200-209766/10	11.38779	30.286035	10.0	407118.0	2.659518	Y
6	IC 200-209766/11	17.081685	48.388051	10.0	409926.0	2.832745	Y
7	IC 200-209766/14	22.77558	65.052662	10.0	411496.0	2.856246	Y
8	IC 200-209766/16	45.551161	125.196963	10.0	432137.0	2.748491	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

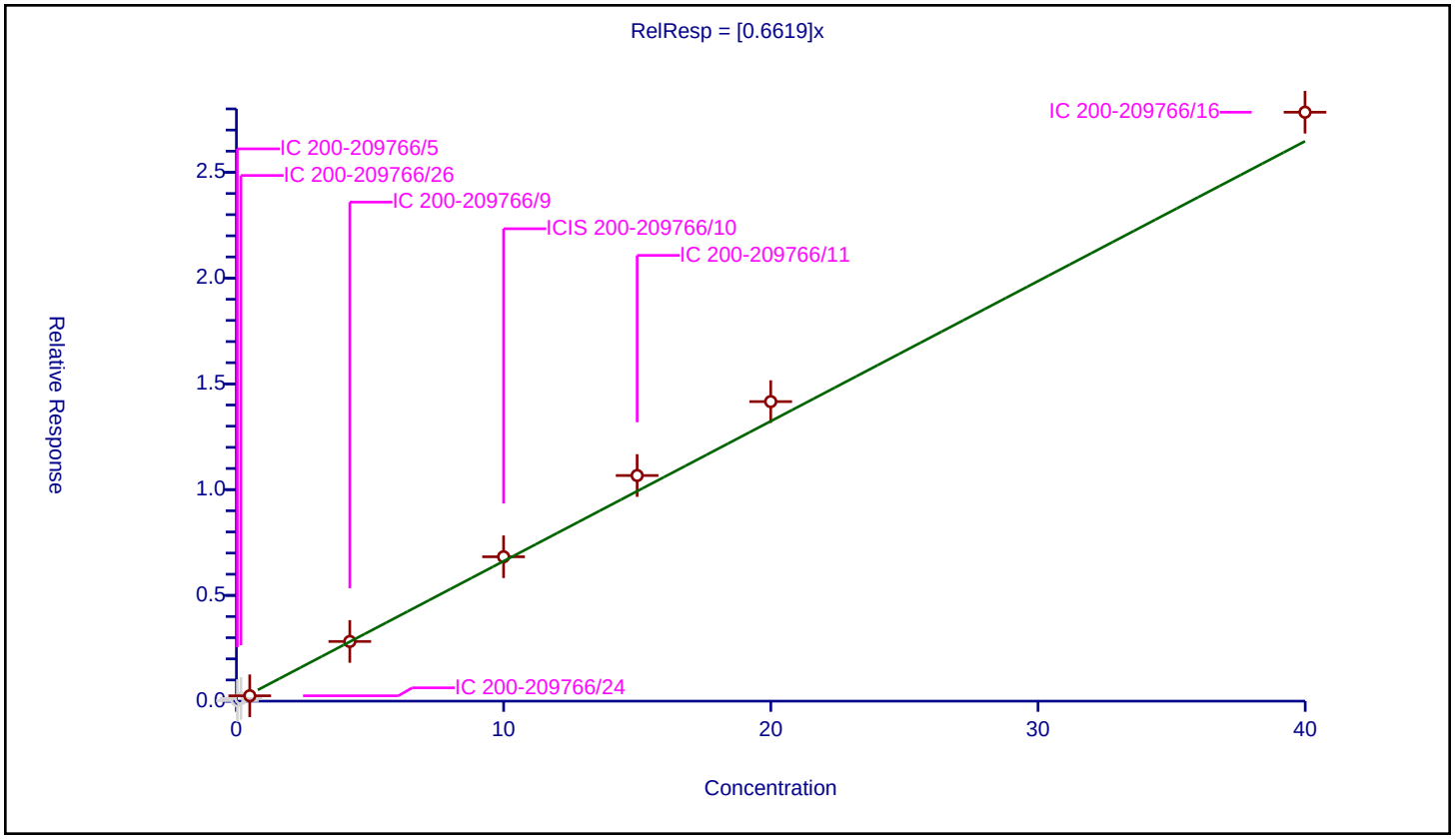
Curve Coefficients

Intercept:	0
Slope:	0.6619

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.024877	10.0	420468.0	0.709214	N
2	IC 200-209766/26	0.170154	0.125258	10.0	386641.0	0.736147	N
3	IC 200-209766/24	0.499256	0.253644	10.0	385107.0	0.508043	Y
4	IC 200-209766/9	4.243678	2.82135	10.0	399759.0	0.664836	Y
5	ICIS 200-209766/10	9.99806	6.825097	10.0	407118.0	0.682642	Y
6	IC 200-209766/11	14.99709	10.666852	10.0	409926.0	0.711261	Y
7	IC 200-209766/14	19.99612	14.161863	10.0	411496.0	0.708231	Y
8	IC 200-209766/16	39.99224	27.842443	10.0	432137.0	0.696196	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

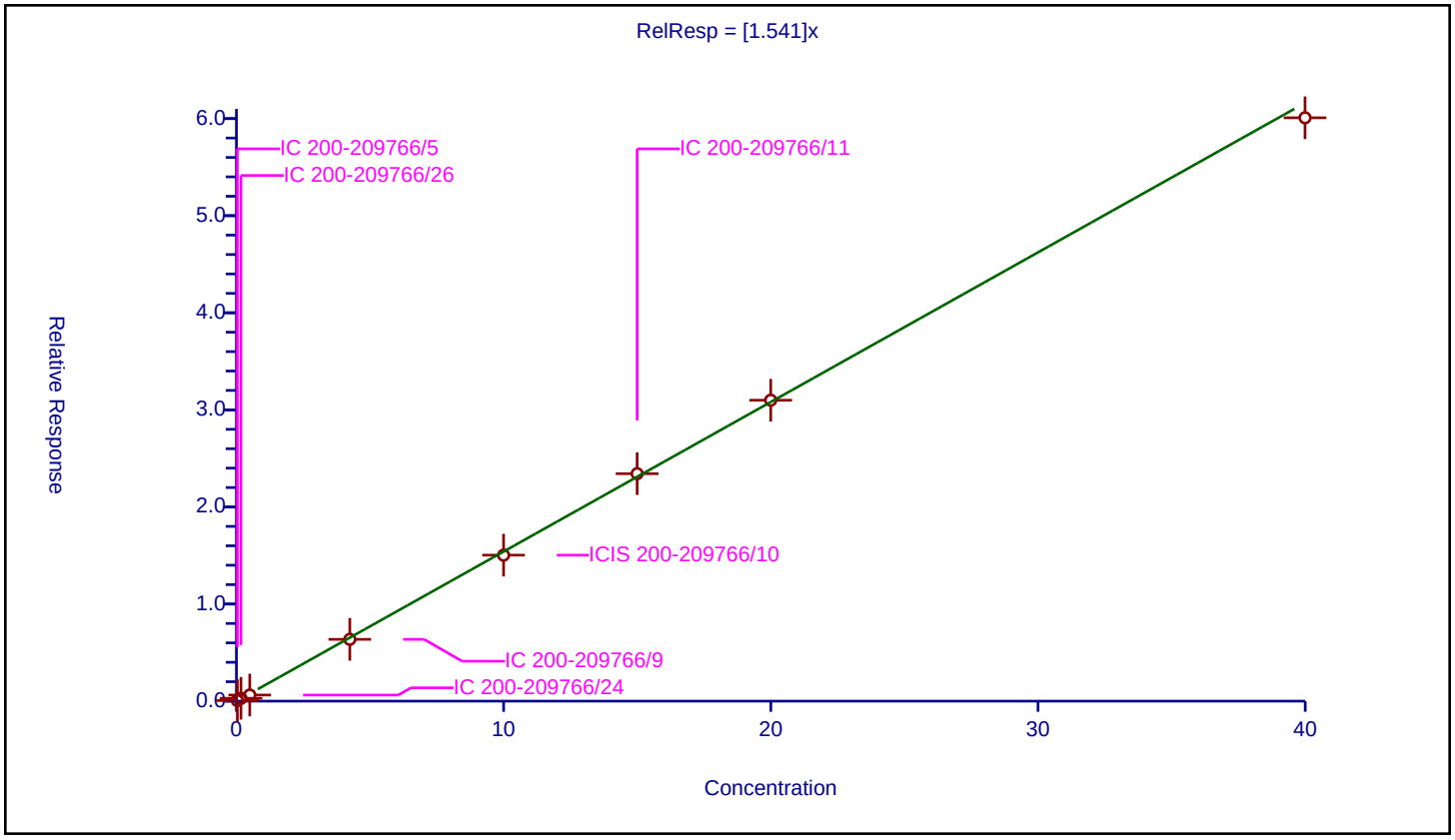
Curve Coefficients

Intercept:	0
Slope:	1.541

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.060338	10.0	420468.0	1.720148	Y
2	IC 200-209766/26	0.170154	0.293373	10.0	386641.0	1.724162	Y
3	IC 200-209766/24	0.499256	0.6305	10.0	385107.0	1.262879	Y
4	IC 200-209766/9	4.243678	6.364585	10.0	399759.0	1.49978	Y
5	ICIS 200-209766/10	9.99806	15.036378	10.0	407118.0	1.50393	Y
6	IC 200-209766/11	14.99709	23.428863	10.0	409926.0	1.562227	Y
7	IC 200-209766/14	19.99612	30.995295	10.0	411496.0	1.550065	Y
8	IC 200-209766/16	39.99224	60.083885	10.0	432137.0	1.502389	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

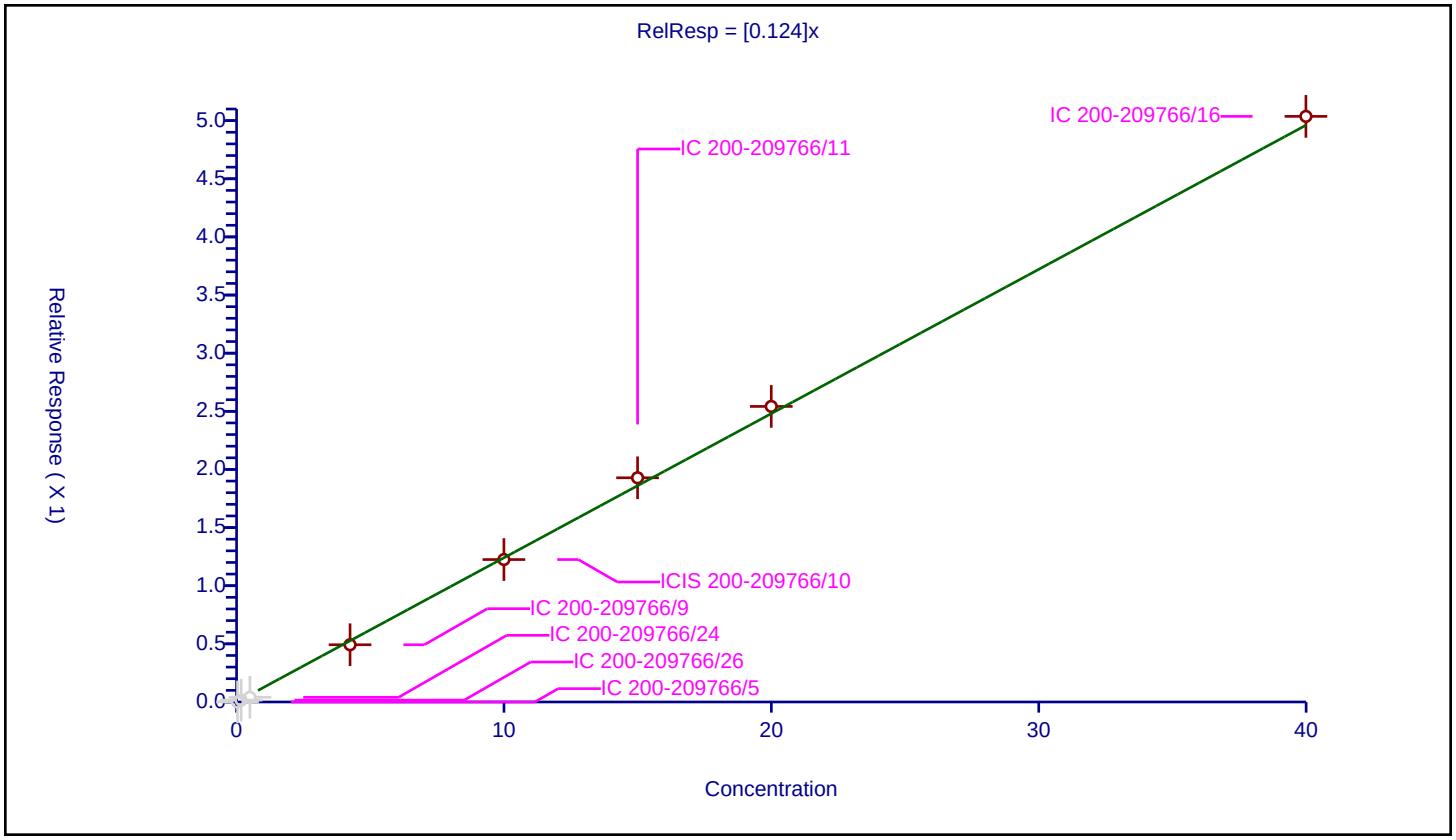
Curve Coefficients

Intercept:	0
Slope:	0.124

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.0	10.0	420468.0	0.0	N
2	IC 200-209766/26	0.170154	0.015855	10.0	386641.0	0.093177	N
3	IC 200-209766/24	0.499256	0.040197	10.0	385107.0	0.080513	N
4	IC 200-209766/9	4.243678	0.492347	10.0	399759.0	0.116019	Y
5	ICIS 200-209766/10	9.99806	1.224977	10.0	407118.0	0.122521	Y
6	IC 200-209766/11	14.99709	1.928226	10.0	409926.0	0.128573	Y
7	IC 200-209766/14	19.99612	2.54209	10.0	411496.0	0.127129	Y
8	IC 200-209766/16	39.99224	5.036597	10.0	432137.0	0.125939	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

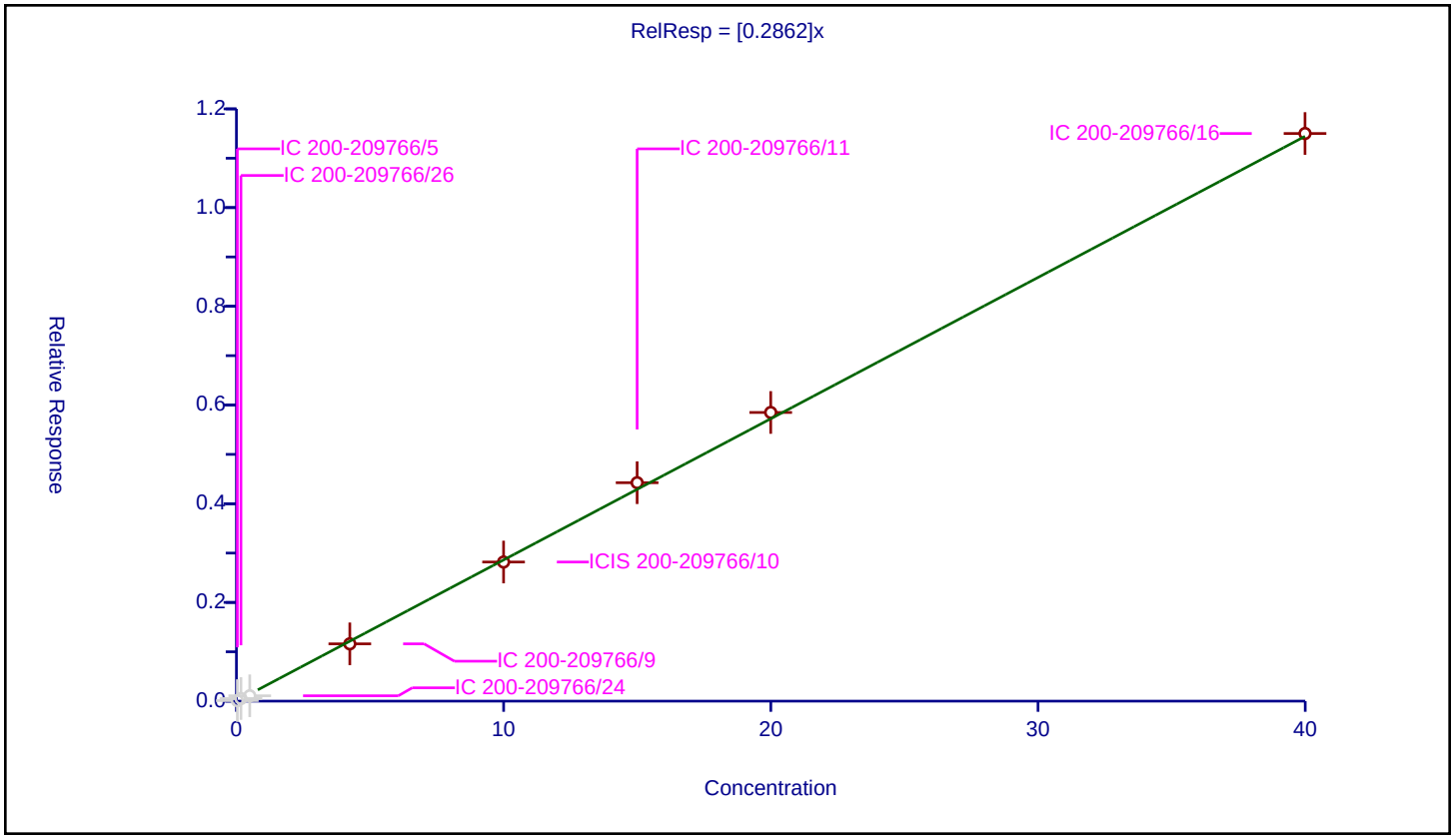
Curve Coefficients

Intercept:	0
Slope:	0.2862

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.010483	10.0	1984187.0	0.298854	N
2	IC 200-209766/26	0.170154	0.052837	10.0	1824113.0	0.310523	N
3	IC 200-209766/24	0.499256	0.108504	10.0	1822598.0	0.217332	N
4	IC 200-209766/9	4.243678	1.161167	10.0	1882313.0	0.273623	Y
5	ICIS 200-209766/10	9.99806	2.818778	10.0	1899969.0	0.281932	Y
6	IC 200-209766/11	14.99709	4.426141	10.0	1901993.0	0.295133	Y
7	IC 200-209766/14	19.99612	5.848784	10.0	1903652.0	0.292496	Y
8	IC 200-209766/16	39.99224	11.501098	10.0	1973082.0	0.287583	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

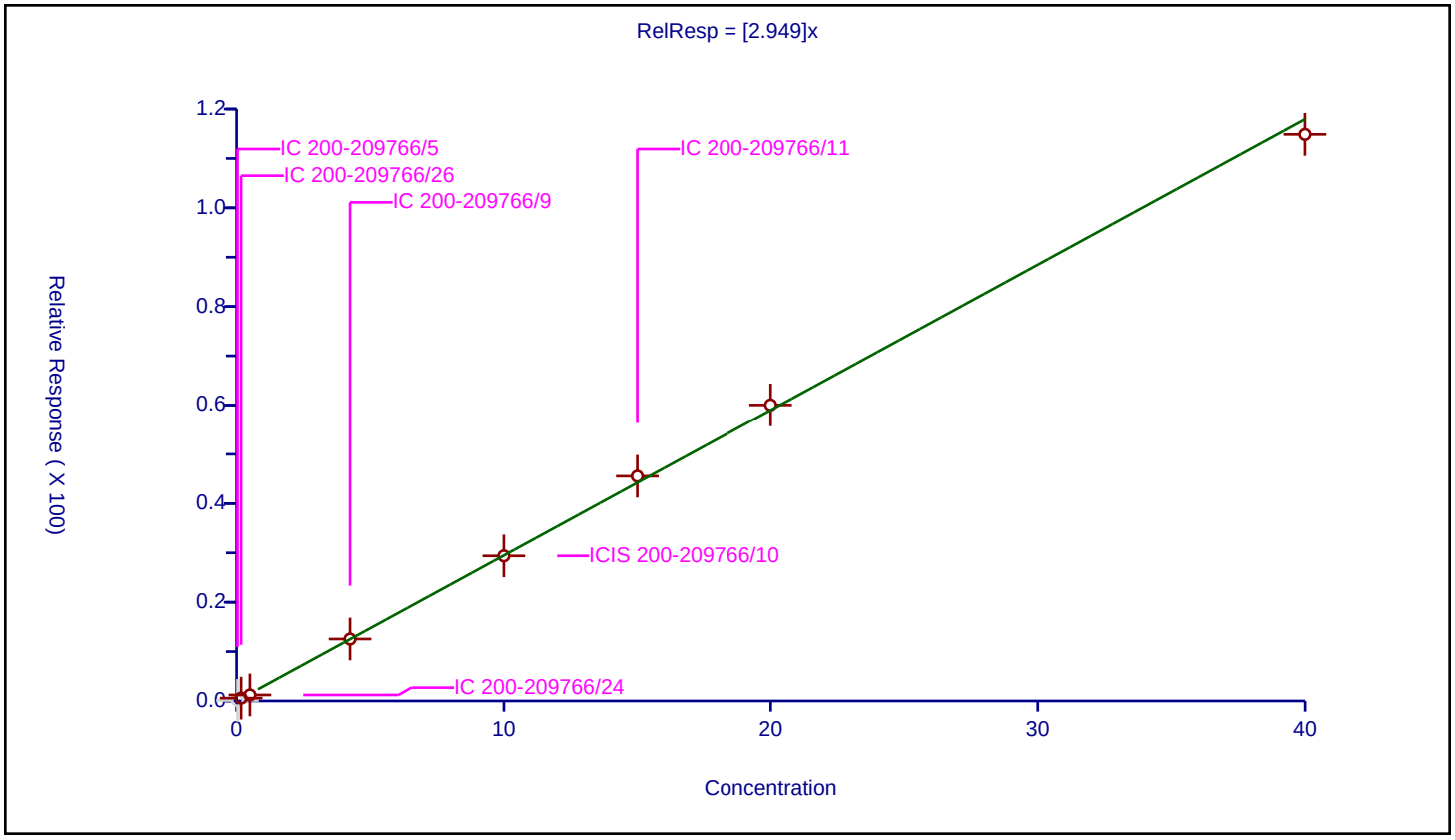
Curve Coefficients

Intercept:	0
Slope:	2.949

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.110876	10.0	420468.0	3.16095	N
2	IC 200-209766/26	0.170154	0.577176	10.0	386641.0	3.392084	Y
3	IC 200-209766/24	0.499256	1.219116	10.0	385107.0	2.441864	Y
4	IC 200-209766/9	4.243678	12.550136	10.0	399759.0	2.957372	Y
5	ICIS 200-209766/10	9.99806	29.394426	10.0	407118.0	2.940013	Y
6	IC 200-209766/11	14.99709	45.550002	10.0	409926.0	3.037256	Y
7	IC 200-209766/14	19.99612	60.026562	10.0	411496.0	3.00191	Y
8	IC 200-209766/16	39.99224	114.877203	10.0	432137.0	2.872487	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

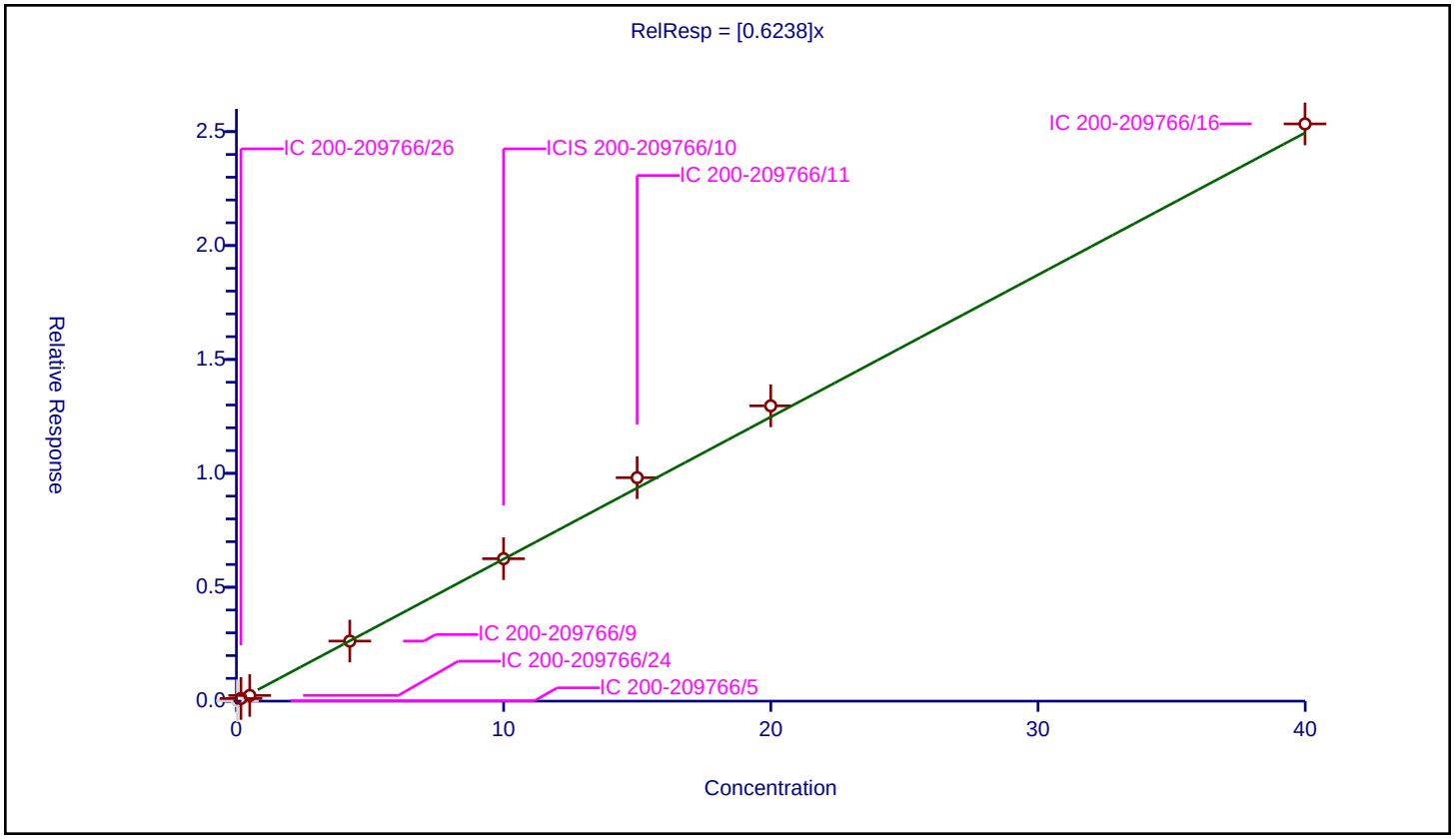
Curve Coefficients

Intercept:	0
Slope:	0.6238

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.015815	10.0	1984187.0	0.450867	N
2	IC 200-209766/26	0.170154	0.116298	10.0	1824113.0	0.683485	Y
3	IC 200-209766/24	0.499256	0.249786	10.0	1822598.0	0.500317	Y
4	IC 200-209766/9	4.243678	2.636751	10.0	1882313.0	0.621336	Y
5	ICIS 200-209766/10	9.99806	6.252986	10.0	1899969.0	0.62542	Y
6	IC 200-209766/11	14.99709	9.810883	10.0	1901993.0	0.654186	Y
7	IC 200-209766/14	19.99612	12.964192	10.0	1903652.0	0.648335	Y
8	IC 200-209766/16	39.99224	25.340361	10.0	1973082.0	0.633632	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

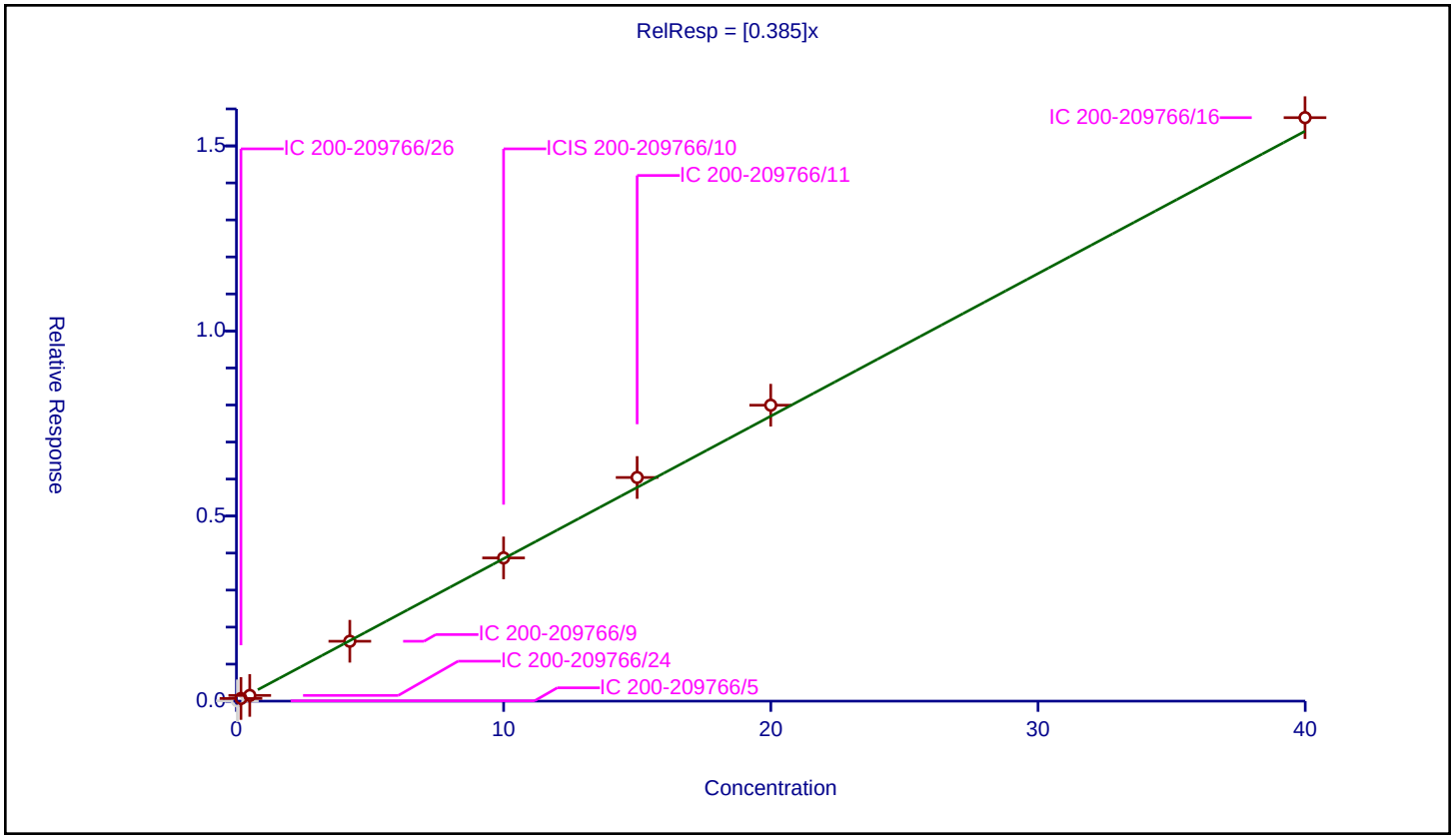
Curve Coefficients

Intercept:	0
Slope:	0.385

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.008457	10.0	1984187.0	0.241095	N
2	IC 200-209766/26	0.170154	0.07147	10.0	1824113.0	0.420034	Y
3	IC 200-209766/24	0.499256	0.154691	10.0	1822598.0	0.309843	Y
4	IC 200-209766/9	4.243678	1.618222	10.0	1882313.0	0.381325	Y
5	ICIS 200-209766/10	9.99806	3.869511	10.0	1899969.0	0.387026	Y
6	IC 200-209766/11	14.99709	6.042667	10.0	1901993.0	0.402923	Y
7	IC 200-209766/14	19.99612	7.995327	10.0	1903652.0	0.399844	Y
8	IC 200-209766/16	39.99224	15.763177	10.0	1973082.0	0.394156	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

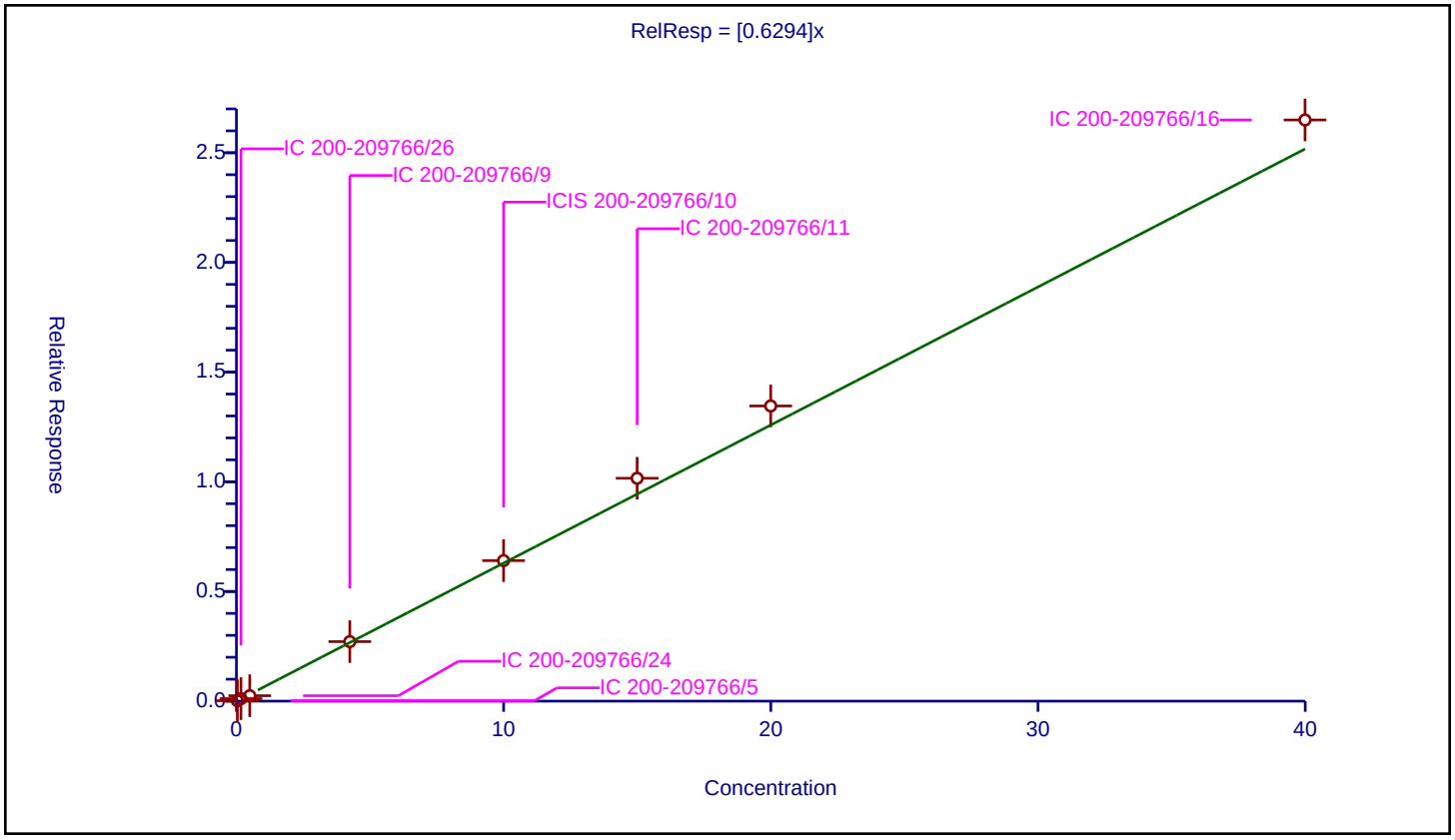
Curve Coefficients

Intercept:	0
Slope:	0.6294

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.020295	10.0	1984187.0	0.578599	Y
2	IC 200-209766/26	0.170154	0.113727	10.0	1824113.0	0.668374	Y
3	IC 200-209766/24	0.499256	0.247312	10.0	1822598.0	0.49536	Y
4	IC 200-209766/9	4.243678	2.712625	10.0	1882313.0	0.639216	Y
5	ICIS 200-209766/10	9.99806	6.406599	10.0	1899969.0	0.640784	Y
6	IC 200-209766/11	14.99709	10.161131	10.0	1901993.0	0.67754	Y
7	IC 200-209766/14	19.99612	13.456666	10.0	1903652.0	0.672964	Y
8	IC 200-209766/16	39.99224	26.494793	10.0	1973082.0	0.662498	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

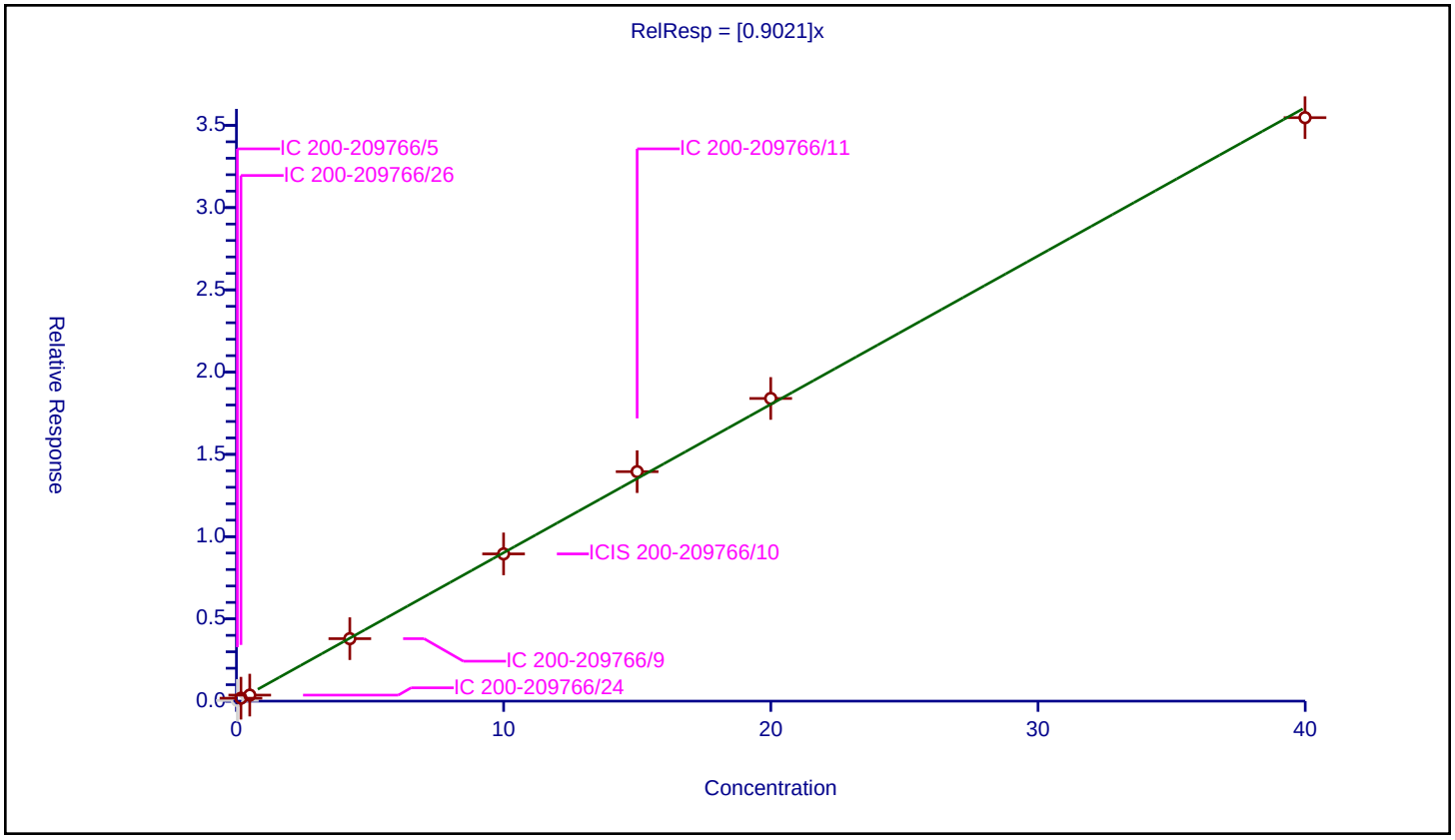
Curve Coefficients

Intercept:	0
Slope:	0.9021

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.04173	10.0	1984187.0	1.189669	N
2	IC 200-209766/26	0.170154	0.179282	10.0	1824113.0	1.053644	Y
3	IC 200-209766/24	0.499256	0.366515	10.0	1822598.0	0.734122	Y
4	IC 200-209766/9	4.243678	3.797084	10.0	1882313.0	0.894762	Y
5	ICIS 200-209766/10	9.99806	8.949899	10.0	1899969.0	0.895164	Y
6	IC 200-209766/11	14.99709	13.950425	10.0	1901993.0	0.930209	Y
7	IC 200-209766/14	19.99612	18.398867	10.0	1903652.0	0.920122	Y
8	IC 200-209766/16	39.99224	35.466696	10.0	1973082.0	0.886839	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

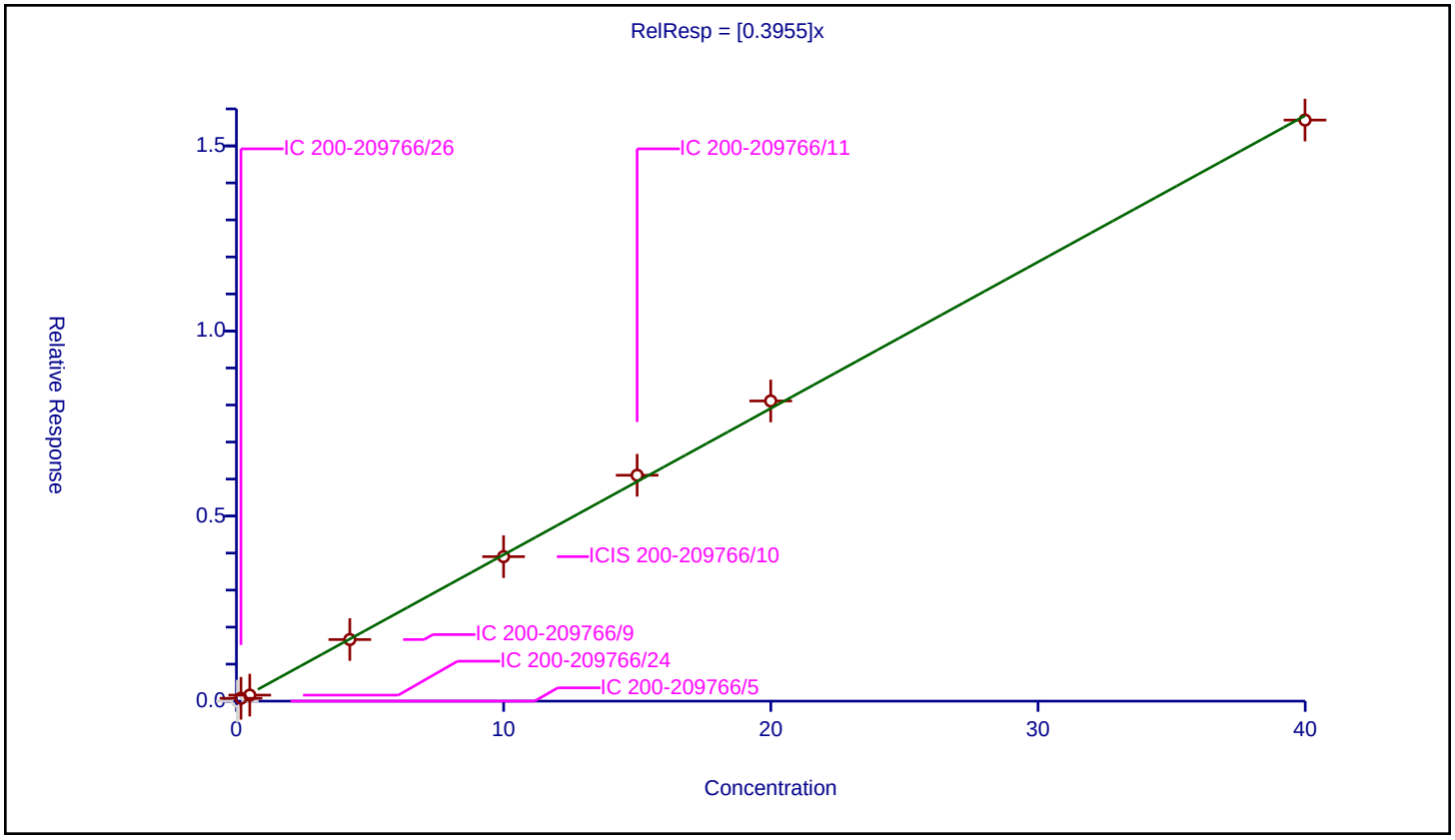
Curve Coefficients

Intercept:	0
Slope:	0.3955

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.0	10.0	1984187.0	0.0	N
2	IC 200-209766/26	0.170154	0.077347	10.0	1824113.0	0.454572	Y
3	IC 200-209766/24	0.499256	0.162806	10.0	1822598.0	0.326097	Y
4	IC 200-209766/9	4.243678	1.6639	10.0	1882313.0	0.392089	Y
5	ICIS 200-209766/10	9.99806	3.904037	10.0	1899969.0	0.390479	Y
6	IC 200-209766/11	14.99709	6.102725	10.0	1901993.0	0.406927	Y
7	IC 200-209766/14	19.99612	8.109665	10.0	1903652.0	0.405562	Y
8	IC 200-209766/16	39.99224	15.697675	10.0	1973082.0	0.392518	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

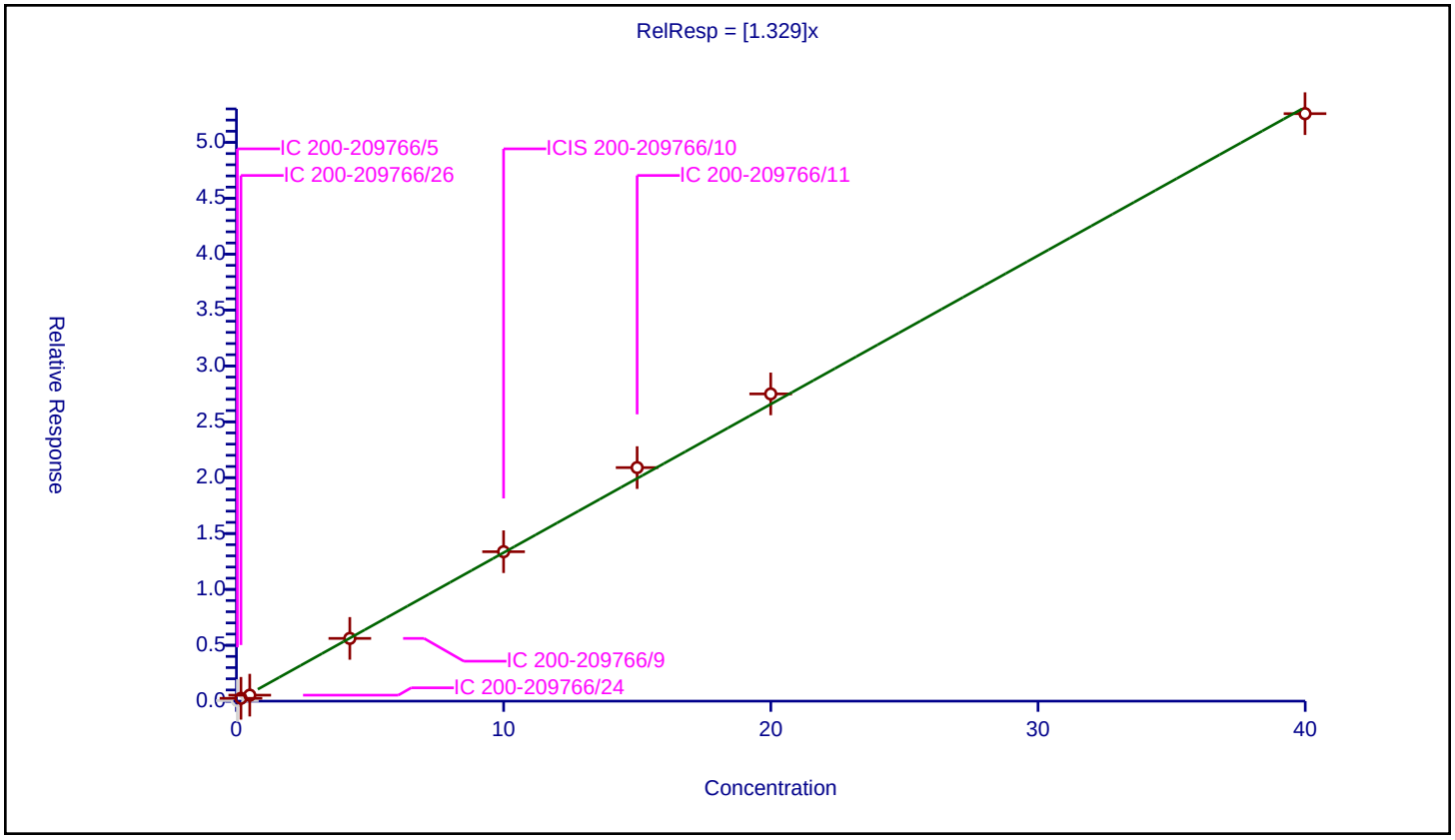
Curve Coefficients

Intercept:	0
Slope:	1.329

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.048871	10.0	1984187.0	1.393263	N
2	IC 200-209766/26	0.170154	0.253394	10.0	1824113.0	1.489207	Y
3	IC 200-209766/24	0.499256	0.534369	10.0	1822598.0	1.07033	Y
4	IC 200-209766/9	4.243678	5.613285	10.0	1882313.0	1.32274	Y
5	ICIS 200-209766/10	9.99806	13.372139	10.0	1899969.0	1.337473	Y
6	IC 200-209766/11	14.99709	20.900161	10.0	1901993.0	1.393614	Y
7	IC 200-209766/14	19.99612	27.493339	10.0	1903652.0	1.374934	Y
8	IC 200-209766/16	39.99224	52.572529	10.0	1973082.0	1.314568	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

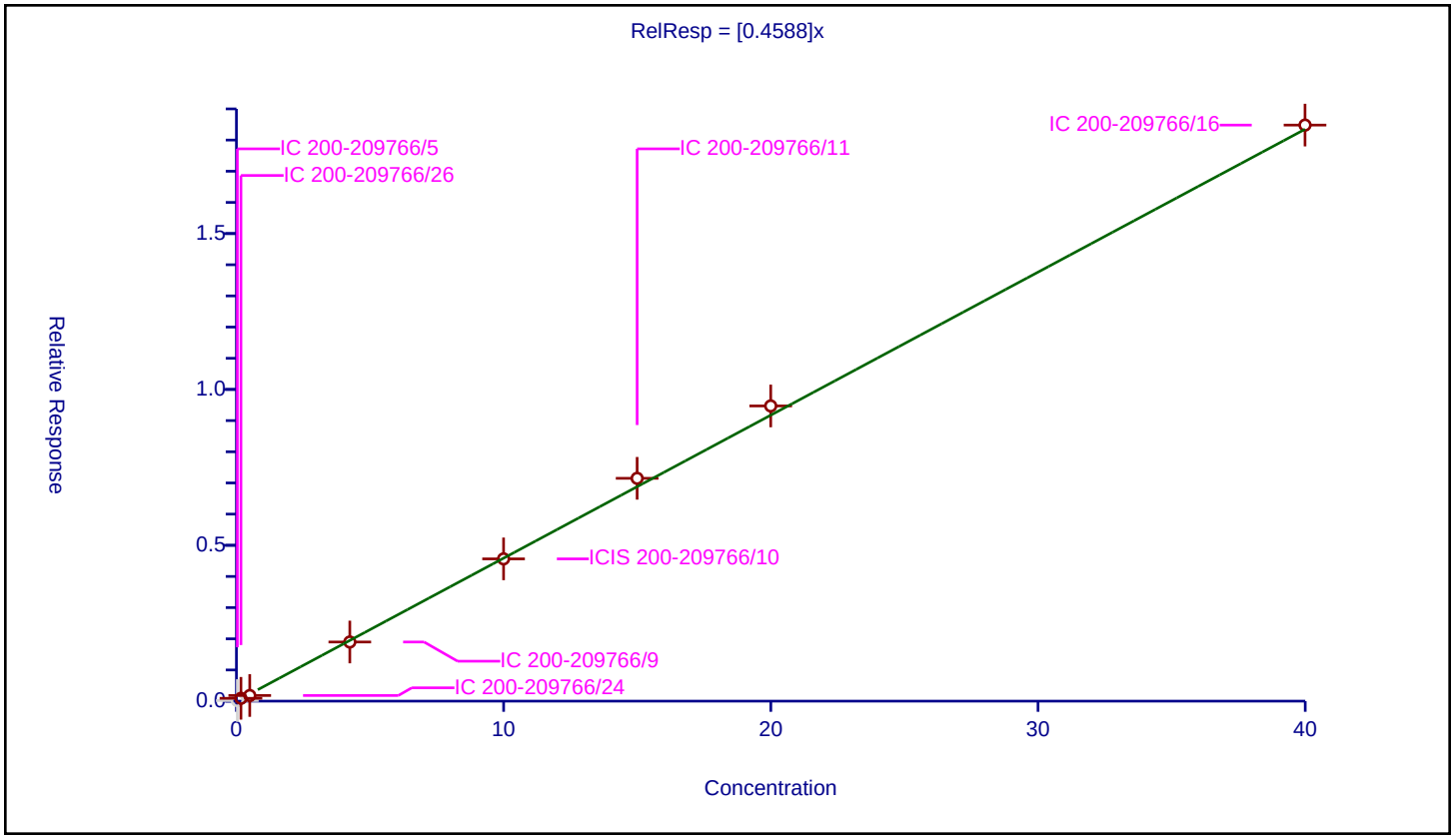
Curve Coefficients

Intercept:	0
Slope:	0.4588

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.017992	10.0	1984187.0	0.512937	N
2	IC 200-209766/26	0.170154	0.090893	10.0	1824113.0	0.534184	Y
3	IC 200-209766/24	0.499256	0.180314	10.0	1822598.0	0.361165	Y
4	IC 200-209766/9	4.243678	1.897692	10.0	1882313.0	0.447181	Y
5	ICIS 200-209766/10	9.99806	4.563938	10.0	1899969.0	0.456482	Y
6	IC 200-209766/11	14.99709	7.148428	10.0	1901993.0	0.476654	Y
7	IC 200-209766/14	19.99612	9.469882	10.0	1903652.0	0.473586	Y
8	IC 200-209766/16	39.99224	18.480195	10.0	1973082.0	0.462095	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

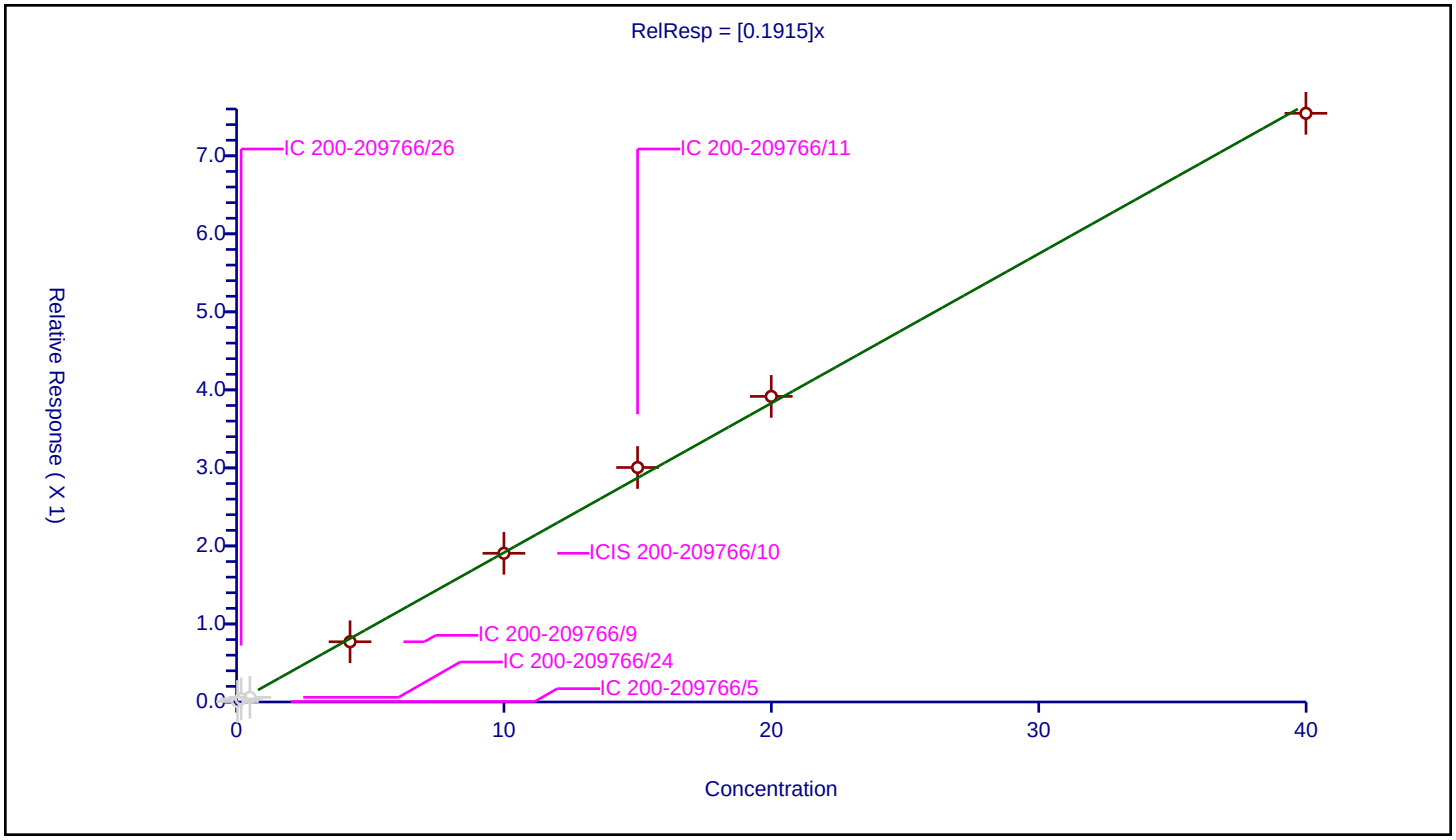
Curve Coefficients

Intercept:	0
Slope:	0.1915

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.006547	10.0	1984187.0	0.18664	N
2	IC 200-209766/26	0.170154	0.040129	10.0	1824113.0	0.23584	N
3	IC 200-209766/24	0.499256	0.060041	10.0	1822598.0	0.12026	N
4	IC 200-209766/9	4.243678	0.771981	10.0	1882313.0	0.181913	Y
5	ICIS 200-209766/10	9.99806	1.905842	10.0	1899969.0	0.190621	Y
6	IC 200-209766/11	14.99709	3.005311	10.0	1901993.0	0.200393	Y
7	IC 200-209766/14	19.99612	3.916519	10.0	1903652.0	0.195864	Y
8	IC 200-209766/16	39.99224	7.544892	10.0	1973082.0	0.188659	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

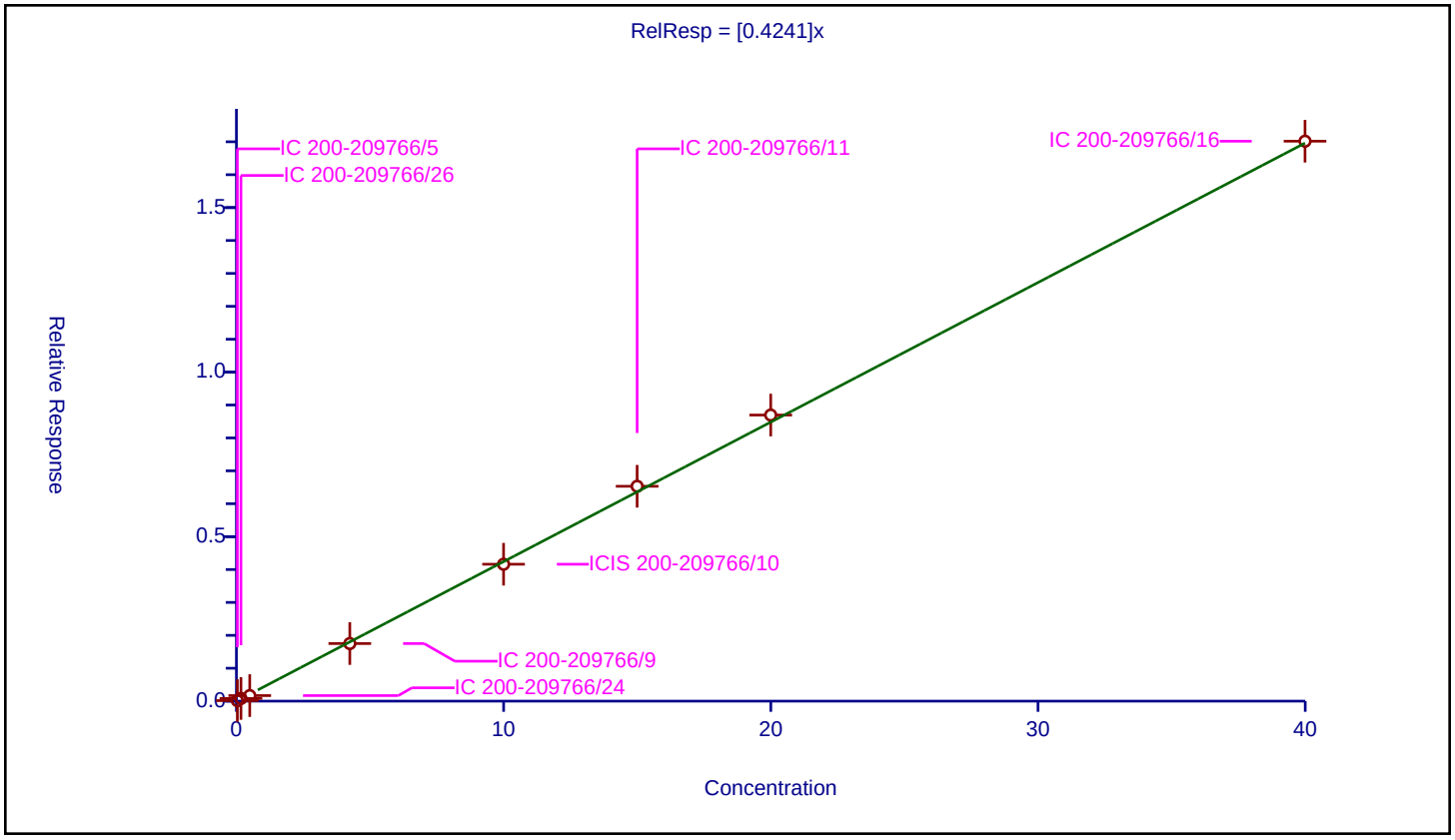
Curve Coefficients

Intercept:	0
Slope:	0.4241

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.015916	10.0	1984187.0	0.453741	Y
2	IC 200-209766/26	0.170154	0.081212	10.0	1824113.0	0.477286	Y
3	IC 200-209766/24	0.499256	0.168391	10.0	1822598.0	0.337285	Y
4	IC 200-209766/9	4.243678	1.750315	10.0	1882313.0	0.412452	Y
5	ICIS 200-209766/10	9.99806	4.161289	10.0	1899969.0	0.41621	Y
6	IC 200-209766/11	14.99709	6.53075	10.0	1901993.0	0.435468	Y
7	IC 200-209766/14	19.99612	8.694667	10.0	1903652.0	0.434818	Y
8	IC 200-209766/16	39.99224	17.01833	10.0	1973082.0	0.425541	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

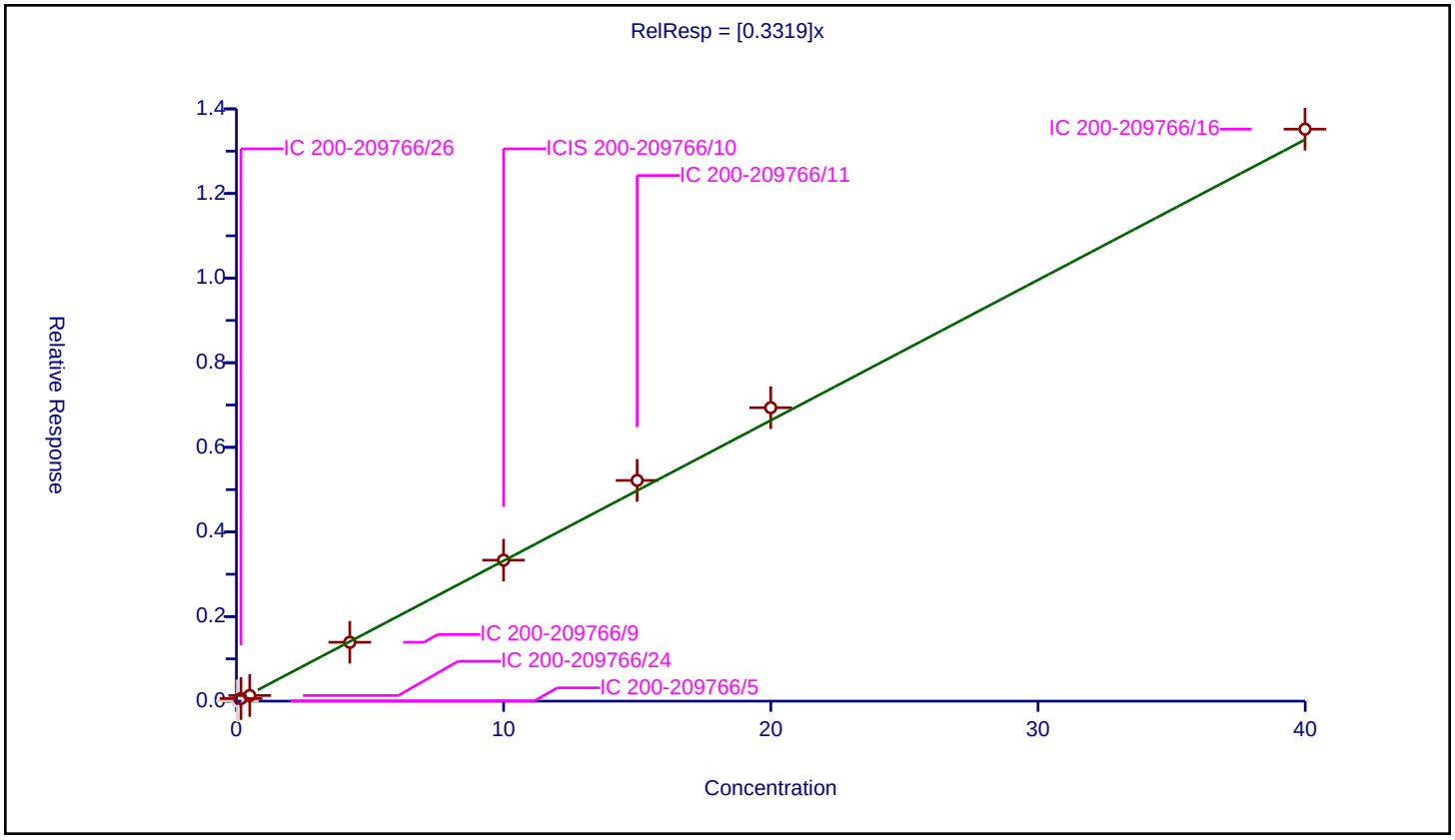
Curve Coefficients

Intercept:	0
Slope:	0.3319

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.00635	10.0	1984187.0	0.181037	N
2	IC 200-209766/26	0.170154	0.061608	10.0	1824113.0	0.362072	Y
3	IC 200-209766/24	0.499256	0.1332	10.0	1822598.0	0.266797	Y
4	IC 200-209766/9	4.243678	1.391586	10.0	1882313.0	0.32792	Y
5	ICIS 200-209766/10	9.99806	3.333028	10.0	1899969.0	0.333367	Y
6	IC 200-209766/11	14.99709	5.217942	10.0	1901993.0	0.34793	Y
7	IC 200-209766/14	19.99612	6.936746	10.0	1903652.0	0.346905	Y
8	IC 200-209766/16	39.99224	13.520877	10.0	1973082.0	0.338088	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

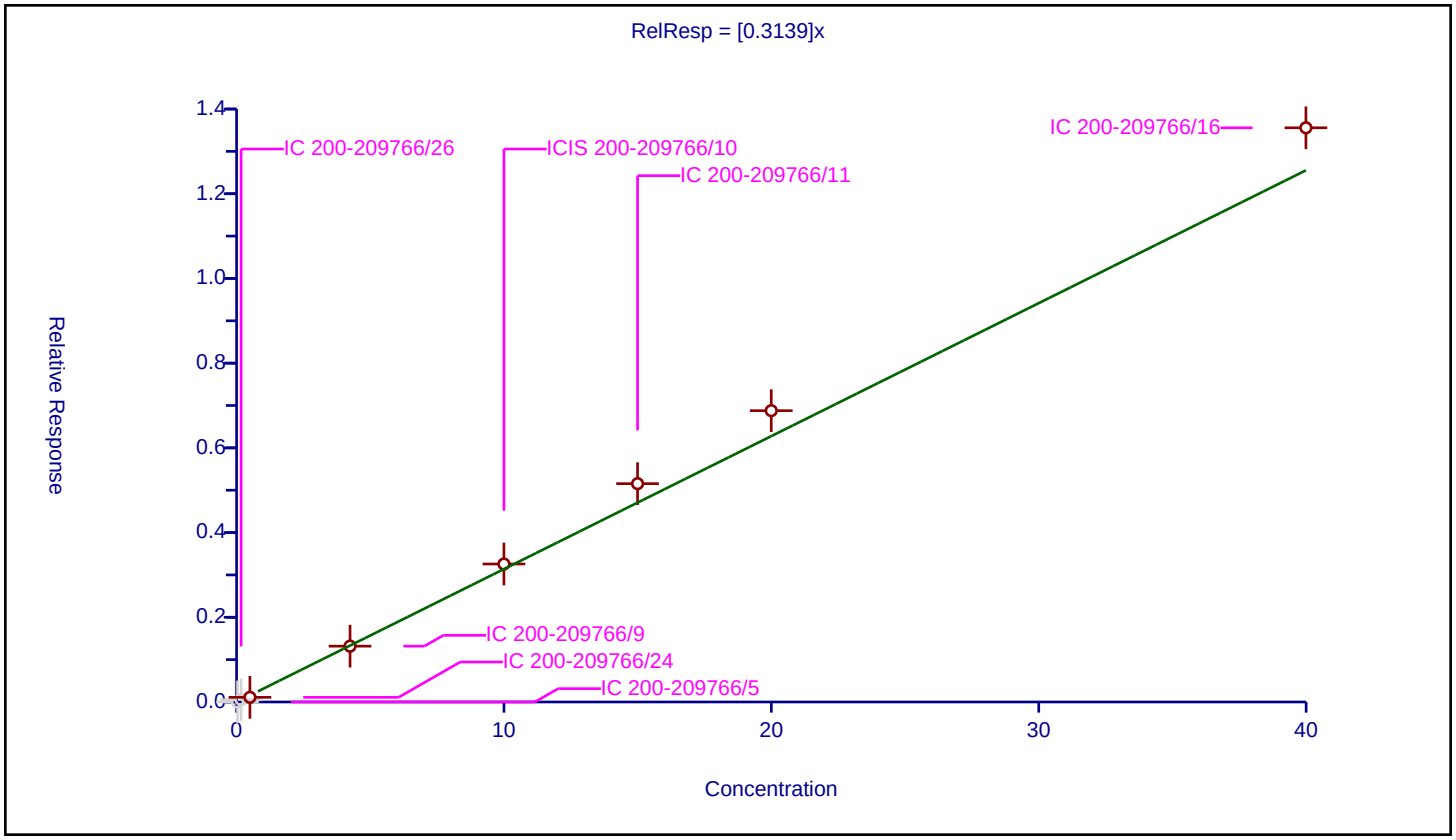
Curve Coefficients

Intercept:	0
Slope:	0.3139

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.0	10.0	1984187.0	0.0	N
2	IC 200-209766/26	0.170154	0.053977	10.0	1824113.0	0.317224	N
3	IC 200-209766/24	0.499256	0.109893	10.0	1822598.0	0.220113	Y
4	IC 200-209766/9	4.243678	1.318022	10.0	1882313.0	0.310585	Y
5	ICIS 200-209766/10	9.99806	3.257522	10.0	1899969.0	0.325815	Y
6	IC 200-209766/11	14.99709	5.154772	10.0	1901993.0	0.343718	Y
7	IC 200-209766/14	19.99612	6.878279	10.0	1903652.0	0.343981	Y
8	IC 200-209766/16	39.99224	13.556735	10.0	1973082.0	0.338984	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

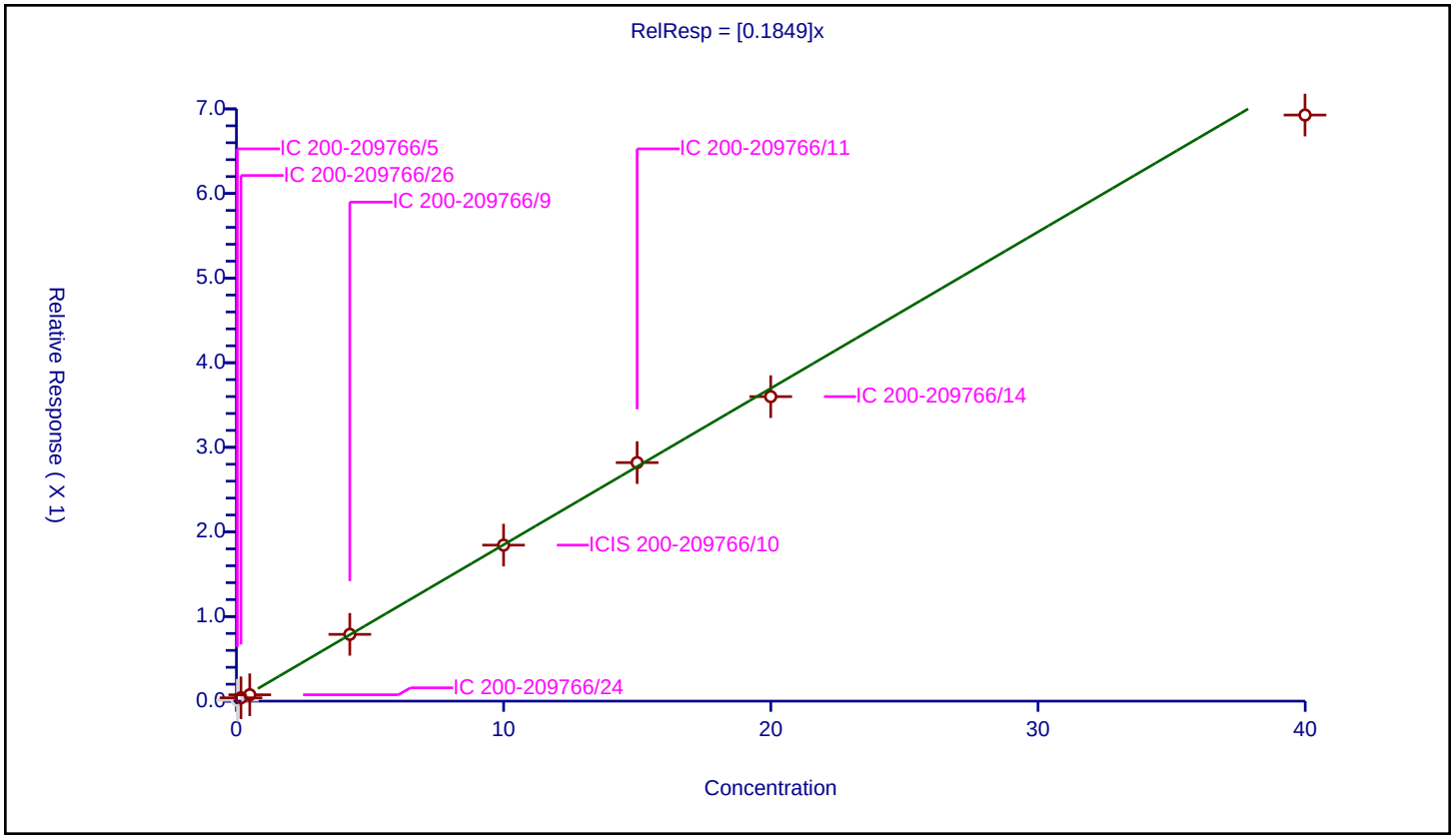
Curve Coefficients

Intercept:	0
Slope:	0.1849

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.010629	10.0	1984187.0	0.303021	N
2	IC 200-209766/26	0.170154	0.039351	10.0	1824113.0	0.231265	Y
3	IC 200-209766/24	0.499256	0.075453	10.0	1822598.0	0.15113	Y
4	IC 200-209766/9	4.243678	0.789401	10.0	1882313.0	0.186018	Y
5	ICIS 200-209766/10	9.99806	1.844051	10.0	1899969.0	0.184441	Y
6	IC 200-209766/11	14.99709	2.819574	10.0	1901993.0	0.188008	Y
7	IC 200-209766/14	19.99612	3.599319	10.0	1903652.0	0.180001	Y
8	IC 200-209766/16	39.99224	6.927492	10.0	1973082.0	0.173221	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

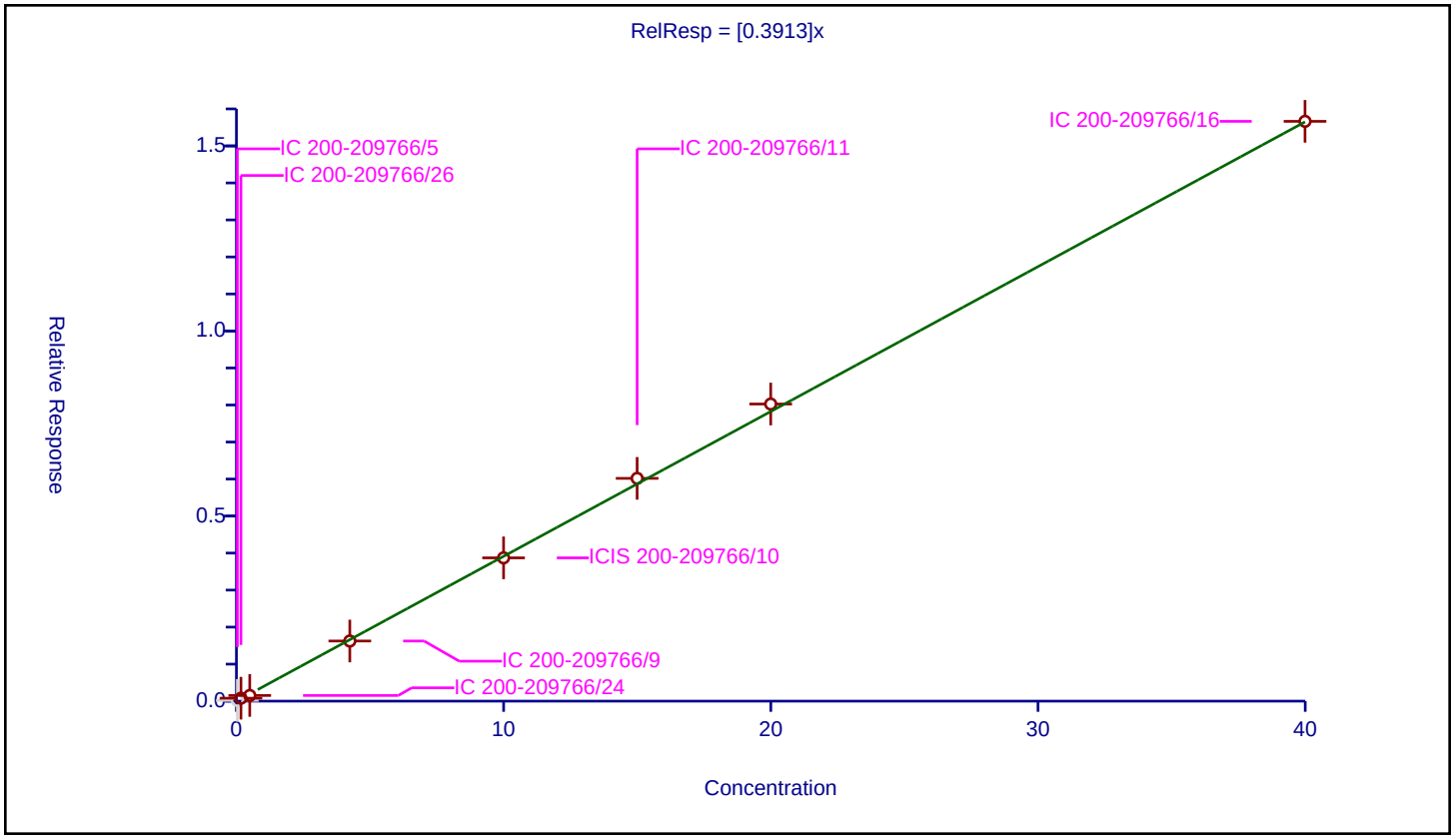
Curve Coefficients

Intercept:	0
Slope:	0.3913

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.01965	10.0	1984187.0	0.560207	N
2	IC 200-209766/26	0.170154	0.079644	10.0	1824113.0	0.468072	Y
3	IC 200-209766/24	0.499256	0.153117	10.0	1822598.0	0.306689	Y
4	IC 200-209766/9	4.243678	1.624241	10.0	1882313.0	0.382744	Y
5	ICIS 200-209766/10	9.99806	3.871005	10.0	1899969.0	0.387176	Y
6	IC 200-209766/11	14.99709	6.018844	10.0	1901993.0	0.401334	Y
7	IC 200-209766/14	19.99612	8.026635	10.0	1903652.0	0.40141	Y
8	IC 200-209766/16	39.99224	15.663738	10.0	1973082.0	0.391669	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

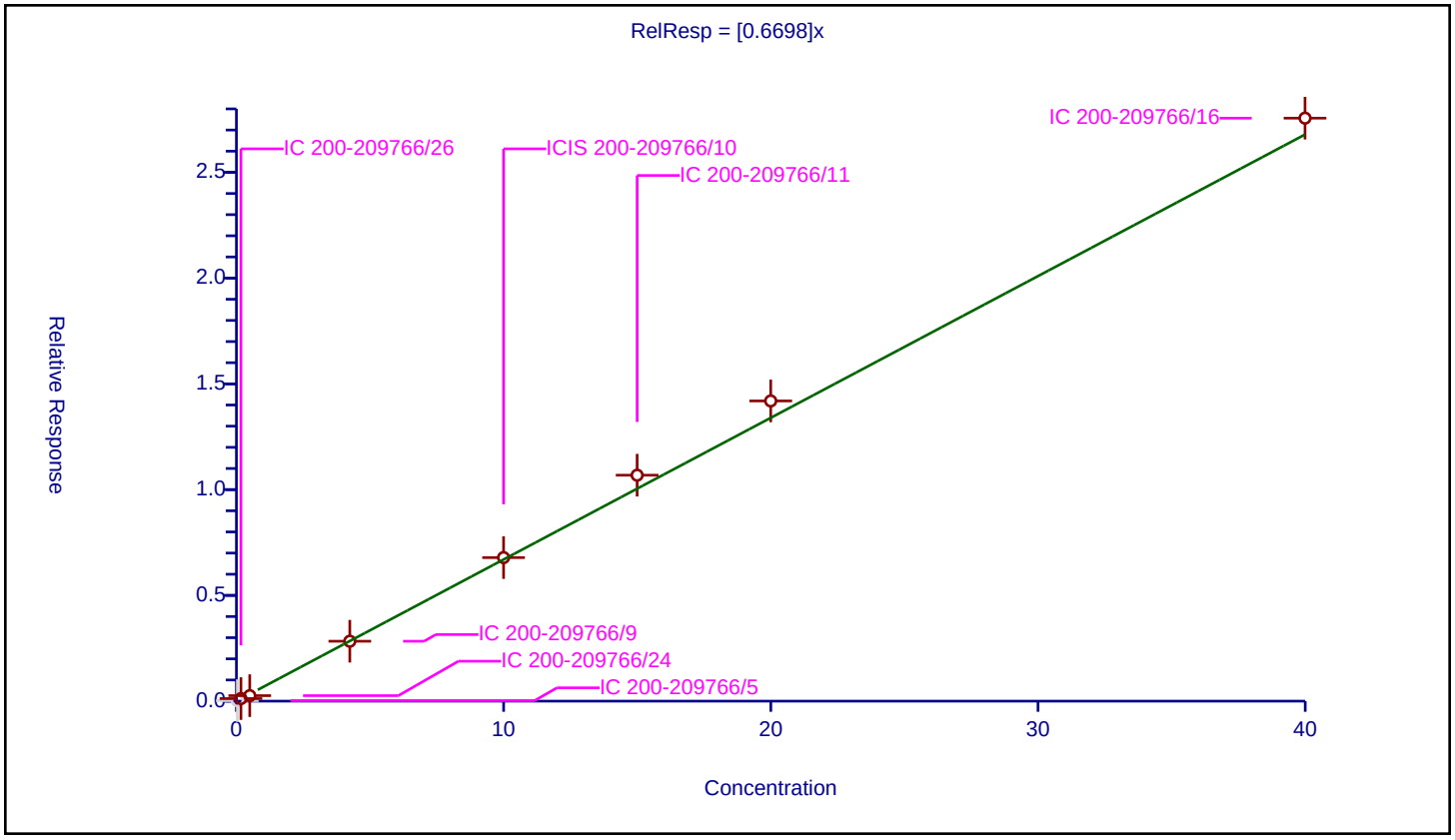
Curve Coefficients

Intercept:	0
Slope:	0.6698

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.022957	10.0	1984187.0	0.654461	N
2	IC 200-209766/26	0.170154	0.120908	10.0	1824113.0	0.710581	Y
3	IC 200-209766/24	0.499256	0.259887	10.0	1822598.0	0.520549	Y
4	IC 200-209766/9	4.243678	2.832813	10.0	1882313.0	0.667537	Y
5	ICIS 200-209766/10	9.99806	6.786584	10.0	1899969.0	0.67879	Y
6	IC 200-209766/11	14.99709	10.682237	10.0	1901993.0	0.712287	Y
7	IC 200-209766/14	19.99612	14.193498	10.0	1903652.0	0.709813	Y
8	IC 200-209766/16	39.99224	27.562281	10.0	1973082.0	0.689191	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

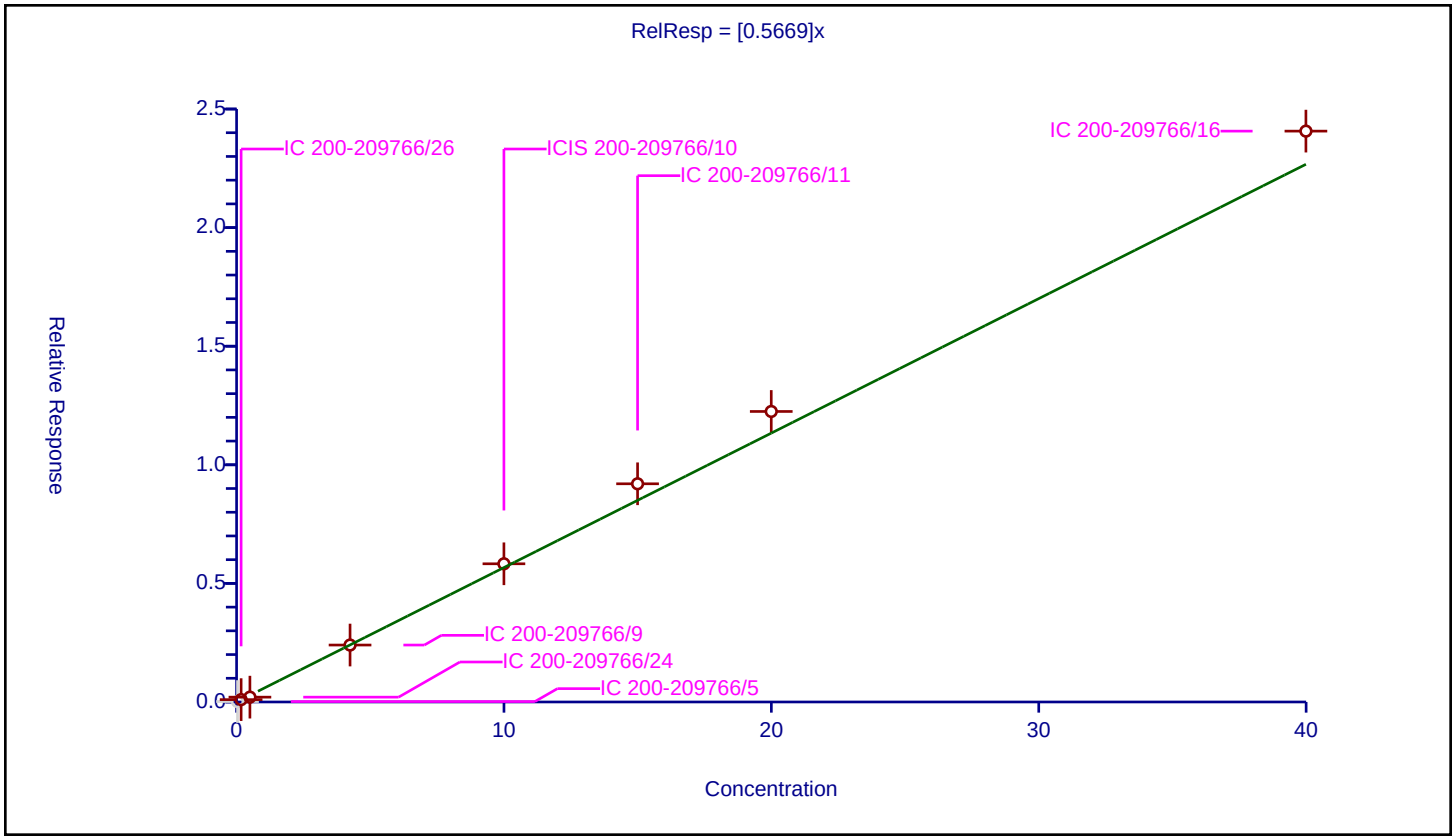
Curve Coefficients

Intercept:	0
Slope:	0.5669

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.018617	10.0	1984187.0	0.530753	N
2	IC 200-209766/26	0.170154	0.099056	10.0	1824113.0	0.582158	Y
3	IC 200-209766/24	0.499256	0.204455	10.0	1822598.0	0.40952	Y
4	IC 200-209766/9	4.243678	2.400982	10.0	1882313.0	0.565779	Y
5	ICIS 200-209766/10	9.99806	5.826437	10.0	1899969.0	0.582757	Y
6	IC 200-209766/11	14.99709	9.199387	10.0	1901993.0	0.613411	Y
7	IC 200-209766/14	19.99612	12.248898	10.0	1903652.0	0.612564	Y
8	IC 200-209766/16	39.99224	24.067733	10.0	1973082.0	0.60181	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

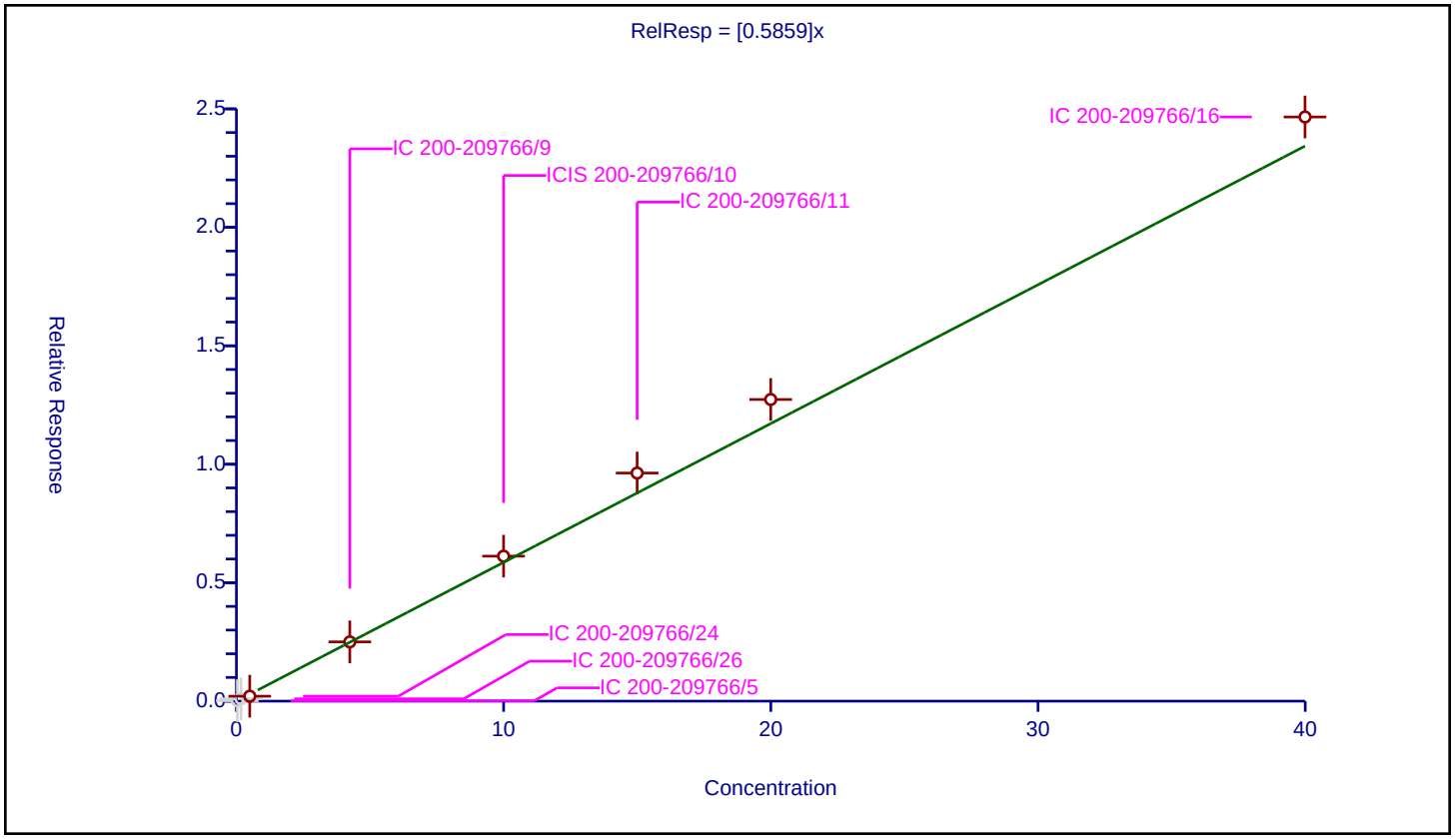
Curve Coefficients

Intercept:	0
Slope:	0.5859

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.018345	10.0	1984187.0	0.522994	N
2	IC 200-209766/26	0.170154	0.098234	10.0	1824113.0	0.577325	N
3	IC 200-209766/24	0.499256	0.208762	10.0	1822598.0	0.418147	Y
4	IC 200-209766/9	4.243678	2.501731	10.0	1882313.0	0.589519	Y
5	ICIS 200-209766/10	9.99806	6.120431	10.0	1899969.0	0.612162	Y
6	IC 200-209766/11	14.99709	9.628721	10.0	1901993.0	0.642039	Y
7	IC 200-209766/14	19.99612	12.733241	10.0	1903652.0	0.636786	Y
8	IC 200-209766/16	39.99224	24.658691	10.0	1973082.0	0.616587	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

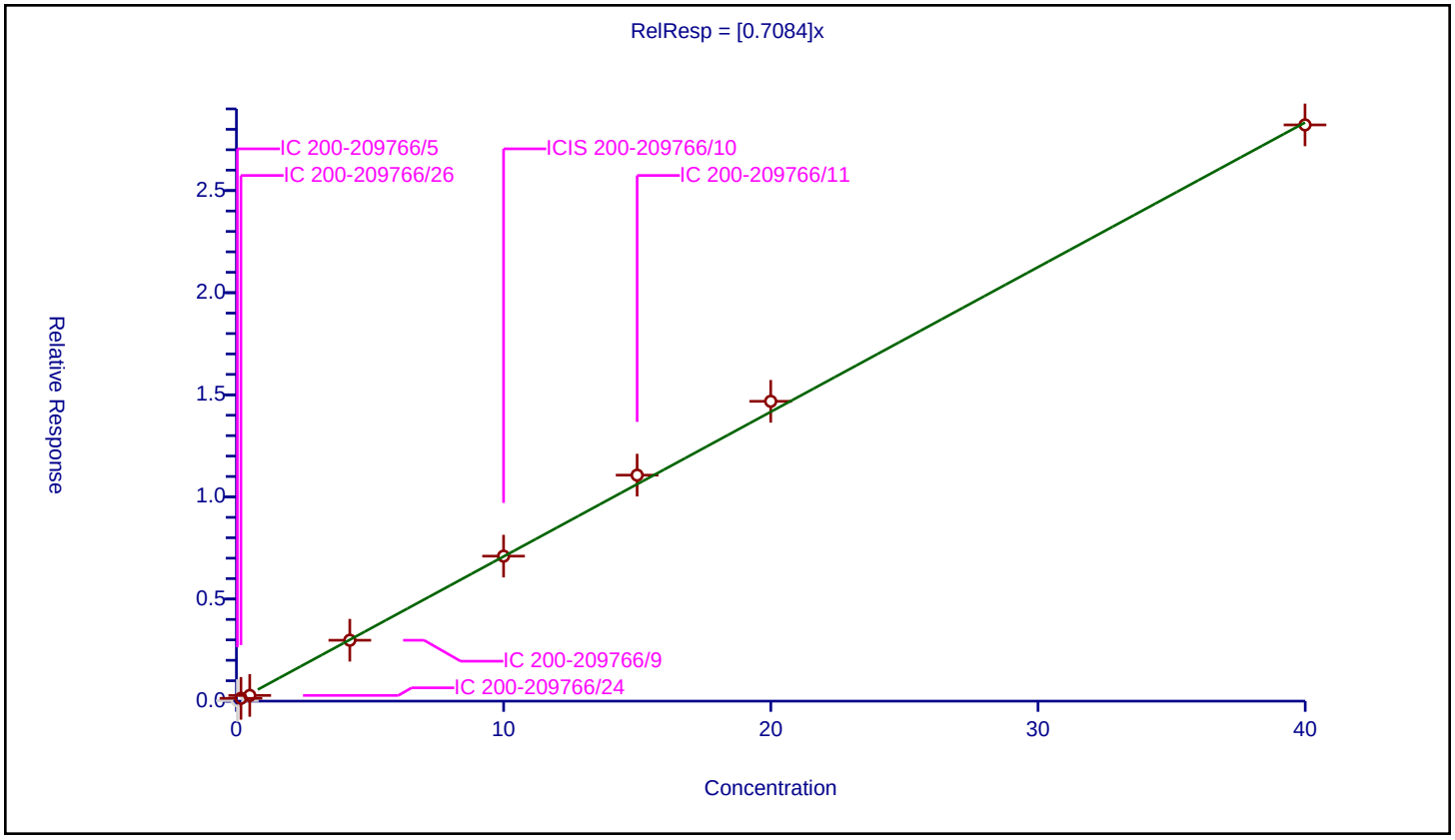
Curve Coefficients

Intercept:	0
Slope:	0.7084

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.027182	10.0	1776542.0	0.774926	N
2	IC 200-209766/26	0.170154	0.137665	10.0	1630185.0	0.809064	Y
3	IC 200-209766/24	0.499256	0.279281	10.0	1626496.0	0.559395	Y
4	IC 200-209766/9	4.243678	2.981858	10.0	1708277.0	0.702659	Y
5	ICIS 200-209766/10	9.99806	7.10011	10.0	1736804.0	0.710149	Y
6	IC 200-209766/11	14.99709	11.066187	10.0	1736300.0	0.737889	Y
7	IC 200-209766/14	19.99612	14.6814	10.0	1736410.0	0.734212	Y
8	IC 200-209766/16	39.99224	28.216353	10.0	1795927.0	0.705546	Y



Calibration / n-Octane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

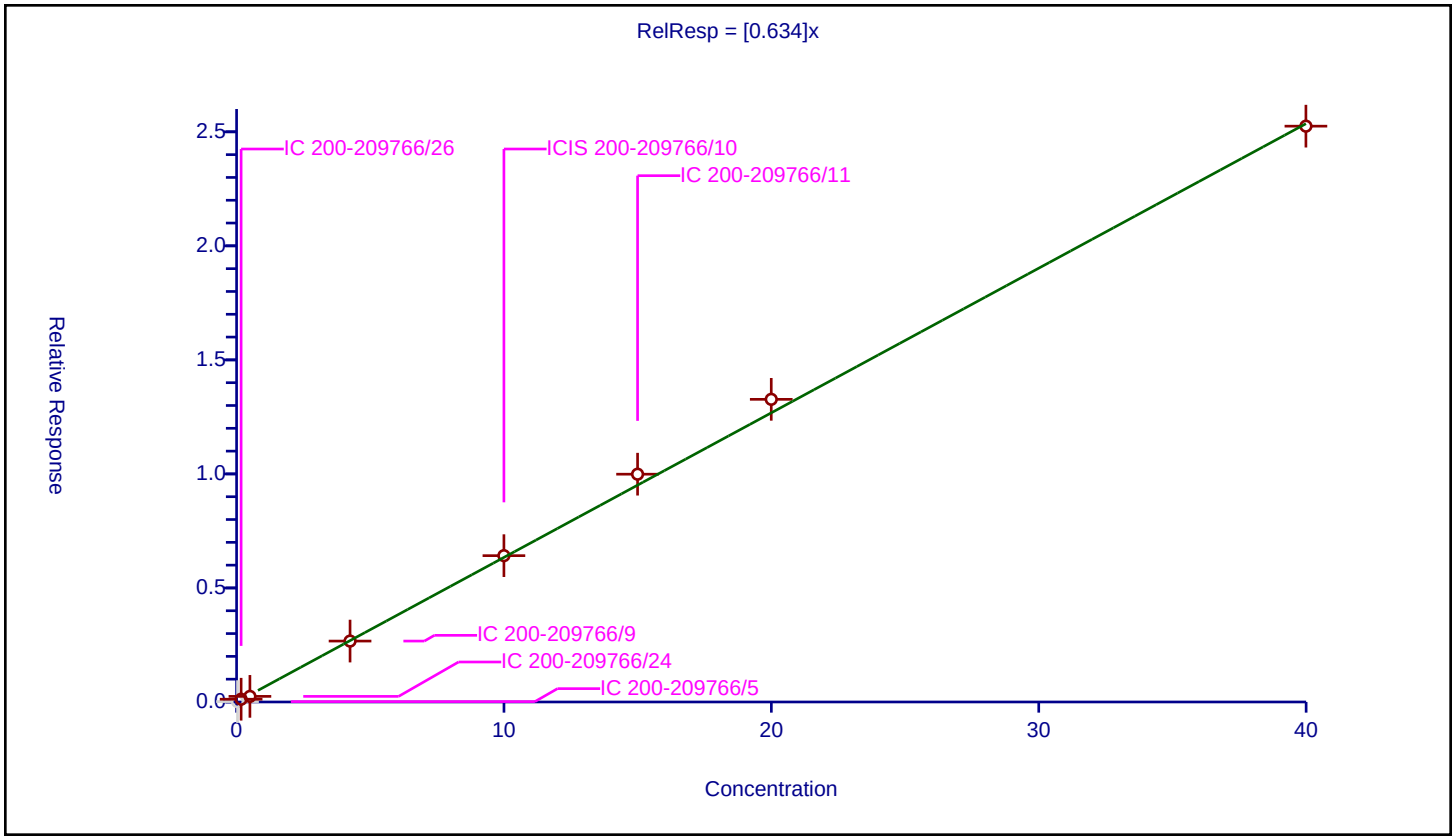
Curve Coefficients

Intercept:	0
Slope:	0.634

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.017261	10.0	1984187.0	0.492103	N
2	IC 200-209766/26	0.170154	0.121286	10.0	1824113.0	0.712804	Y
3	IC 200-209766/24	0.499256	0.246143	10.0	1822598.0	0.49302	Y
4	IC 200-209766/9	4.243678	2.671538	10.0	1882313.0	0.629533	Y
5	ICIS 200-209766/10	9.99806	6.415784	10.0	1899969.0	0.641703	Y
6	IC 200-209766/11	14.99709	9.988796	10.0	1901993.0	0.666049	Y
7	IC 200-209766/14	19.99612	13.269931	10.0	1903652.0	0.663625	Y
8	IC 200-209766/16	39.99224	25.248074	10.0	1973082.0	0.631324	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

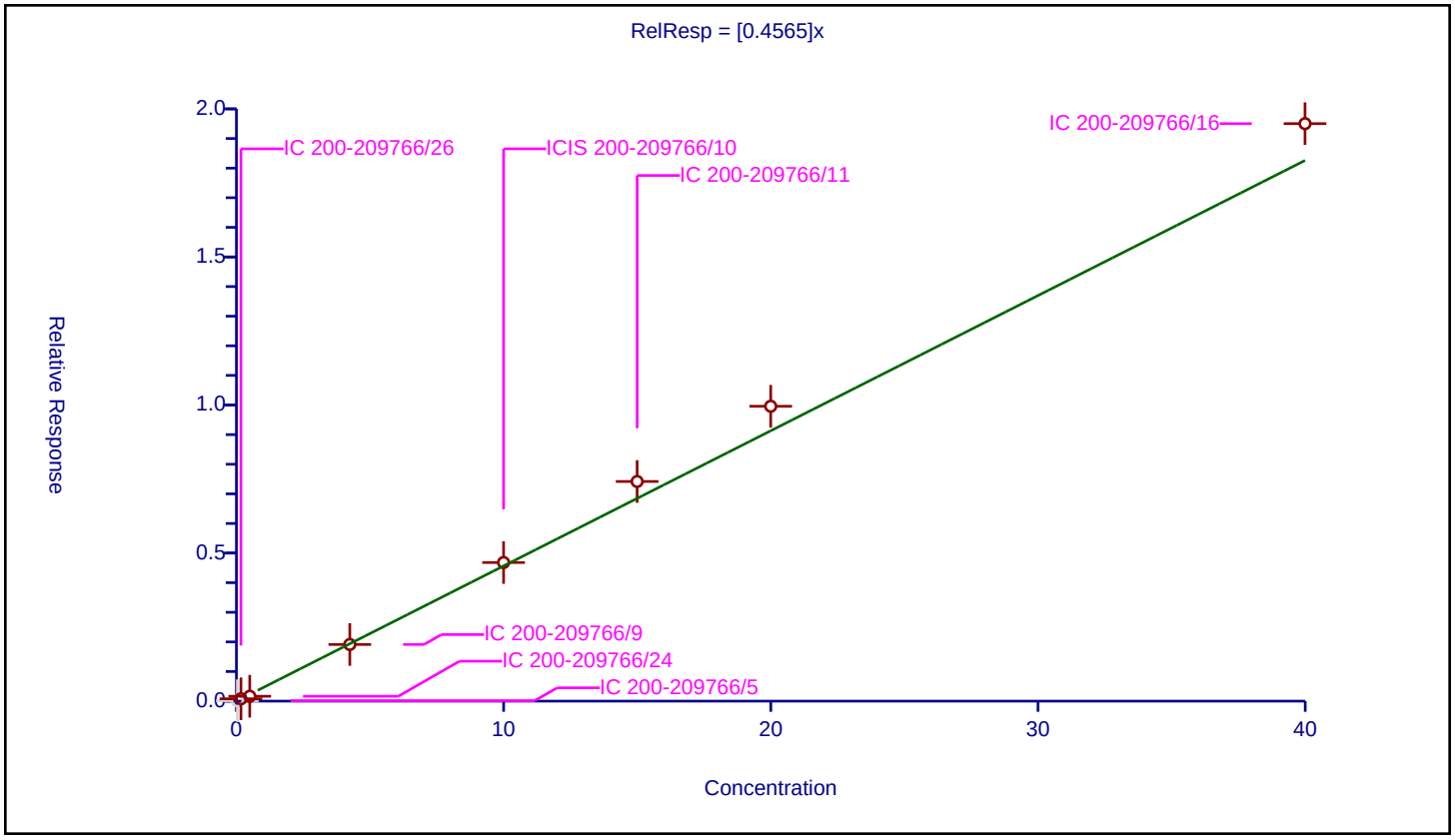
Curve Coefficients

Intercept:	0
Slope:	0.4565

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.013295	10.0	1984187.0	0.379027	N
2	IC 200-209766/26	0.170154	0.079134	10.0	1824113.0	0.465075	Y
3	IC 200-209766/24	0.499256	0.165484	10.0	1822598.0	0.33146	Y
4	IC 200-209766/9	4.243678	1.913231	10.0	1882313.0	0.450843	Y
5	ICIS 200-209766/10	9.99806	4.681187	10.0	1899969.0	0.46821	Y
6	IC 200-209766/11	14.99709	7.418119	10.0	1901993.0	0.494637	Y
7	IC 200-209766/14	19.99612	9.957603	10.0	1903652.0	0.497977	Y
8	IC 200-209766/16	39.99224	19.501739	10.0	1973082.0	0.487638	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

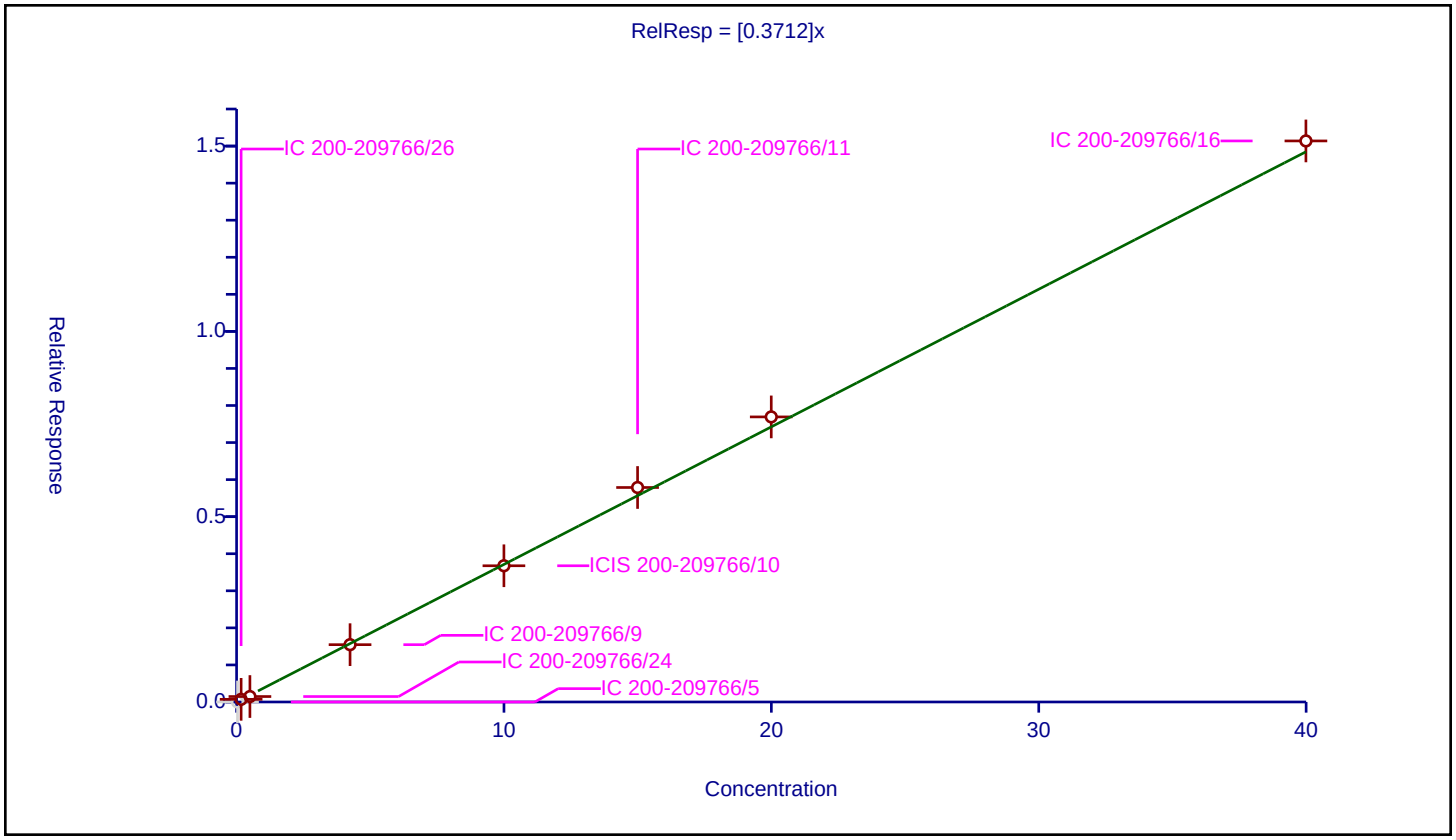
Curve Coefficients

Intercept:	0
Slope:	0.3712

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.0	10.0	1776542.0	0.0	N
2	IC 200-209766/26	0.170154	0.071863	10.0	1630185.0	0.422341	Y
3	IC 200-209766/24	0.499256	0.147224	10.0	1626496.0	0.294888	Y
4	IC 200-209766/9	4.243678	1.54674	10.0	1708277.0	0.364481	Y
5	ICIS 200-209766/10	9.99806	3.675924	10.0	1736804.0	0.367664	Y
6	IC 200-209766/11	14.99709	5.787635	10.0	1736300.0	0.385917	Y
7	IC 200-209766/14	19.99612	7.692423	10.0	1736410.0	0.384696	Y
8	IC 200-209766/16	39.99224	15.13855	10.0	1795927.0	0.378537	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

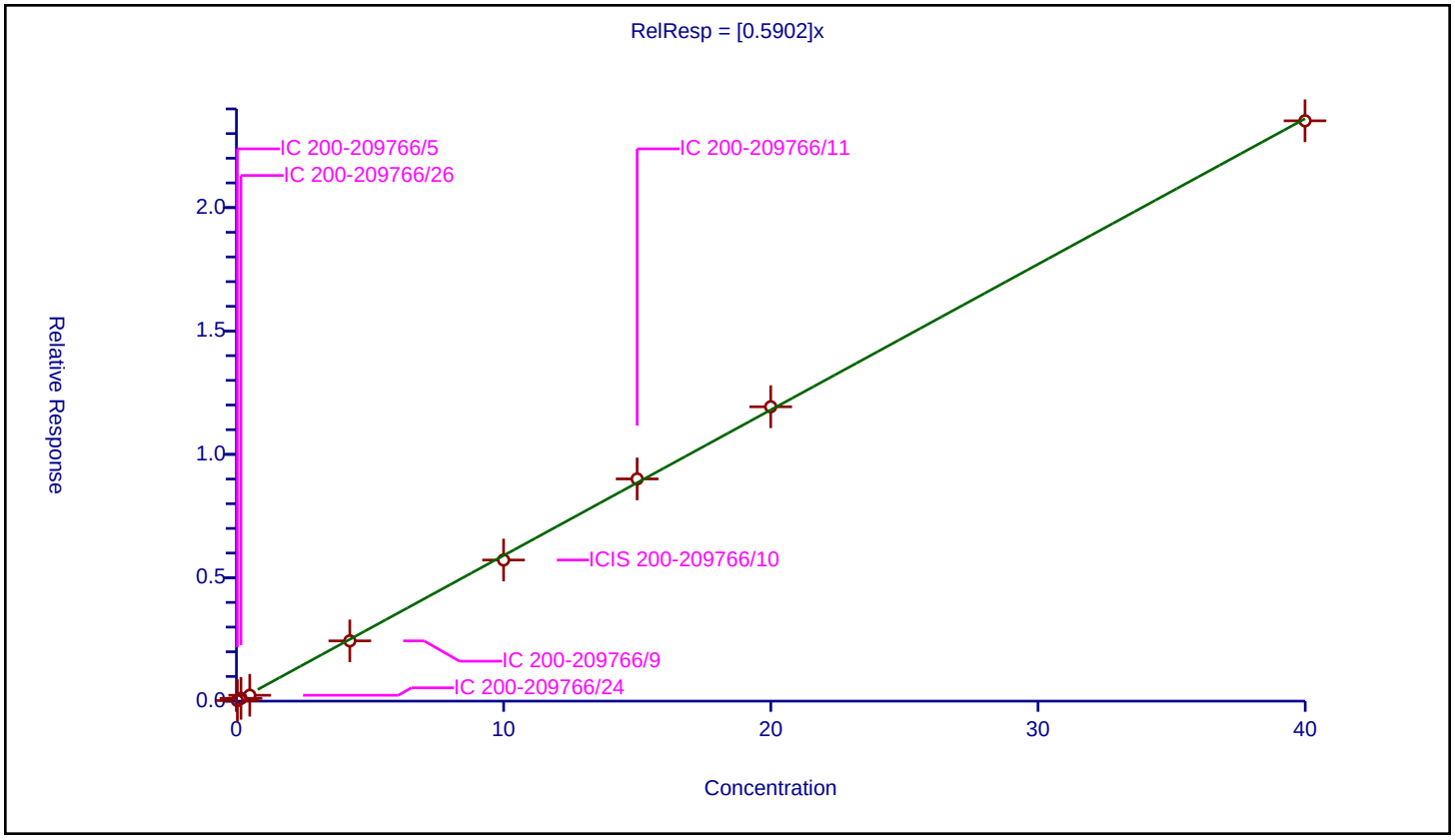
Curve Coefficients

Intercept:	0
Slope:	0.5902

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.022718	10.0	1776542.0	0.64767	Y
2	IC 200-209766/26	0.170154	0.113141	10.0	1630185.0	0.664931	Y
3	IC 200-209766/24	0.499256	0.237824	10.0	1626496.0	0.476357	Y
4	IC 200-209766/9	4.243678	2.441835	10.0	1708277.0	0.575405	Y
5	ICIS 200-209766/10	9.99806	5.718826	10.0	1736804.0	0.571994	Y
6	IC 200-209766/11	14.99709	9.004832	10.0	1736300.0	0.600439	Y
7	IC 200-209766/14	19.99612	11.929337	10.0	1736410.0	0.596583	Y
8	IC 200-209766/16	39.99224	23.517448	10.0	1795927.0	0.58805	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

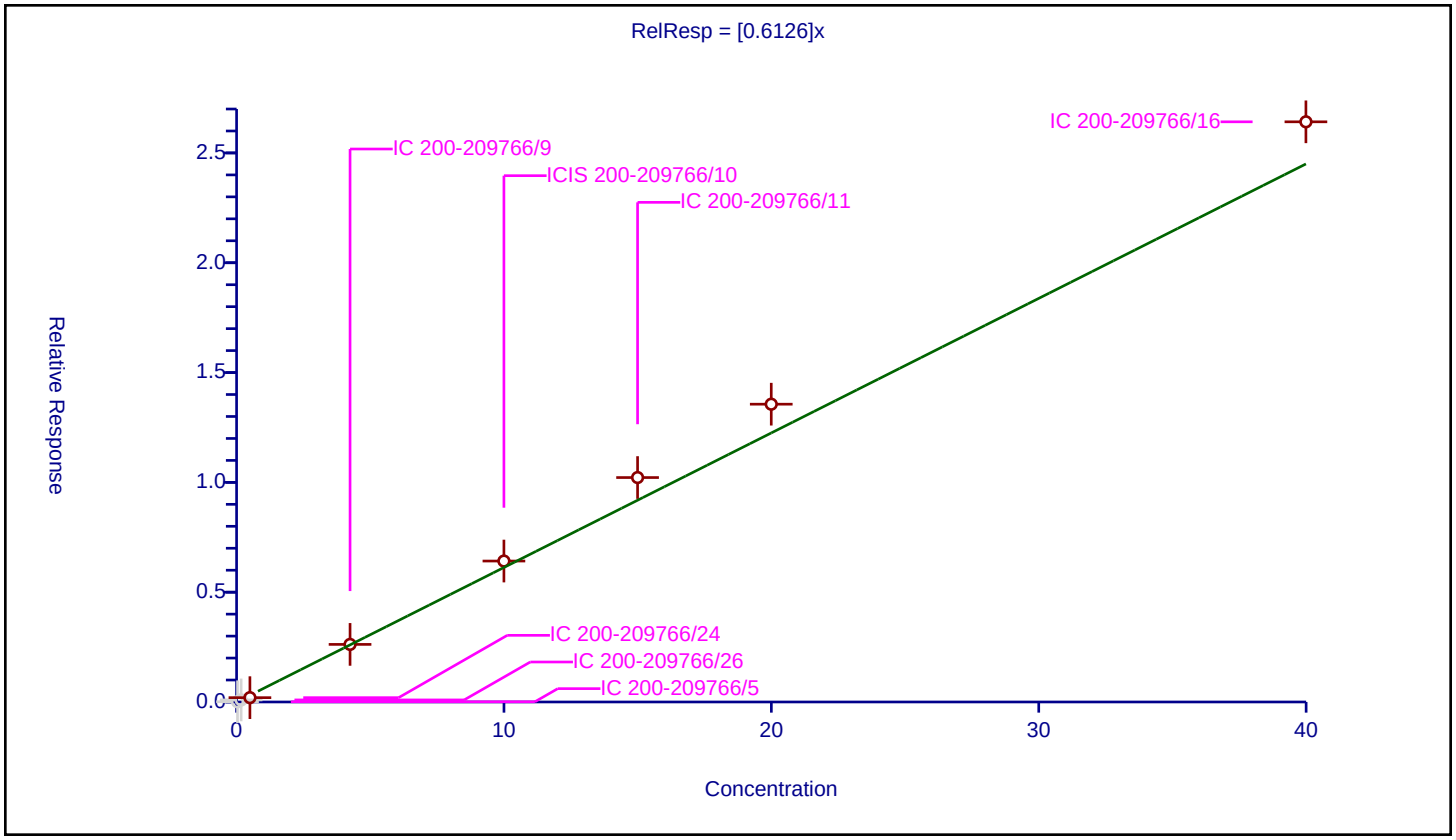
Curve Coefficients

Intercept:	0
Slope:	0.6126

Error Coefficients

Relative Standard Deviation:	17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.010847	10.0	1776542.0	0.309232	N
2	IC 200-209766/26	0.170154	0.094431	10.0	1630185.0	0.554974	N
3	IC 200-209766/24	0.499256	0.197498	10.0	1626496.0	0.395585	Y
4	IC 200-209766/9	4.243678	2.621823	10.0	1708277.0	0.617818	Y
5	ICIS 200-209766/10	9.99806	6.418335	10.0	1736804.0	0.641958	Y
6	IC 200-209766/11	14.99709	10.219507	10.0	1736300.0	0.681433	Y
7	IC 200-209766/14	19.99612	13.559419	10.0	1736410.0	0.678102	Y
8	IC 200-209766/16	39.99224	26.417154	10.0	1795927.0	0.660557	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

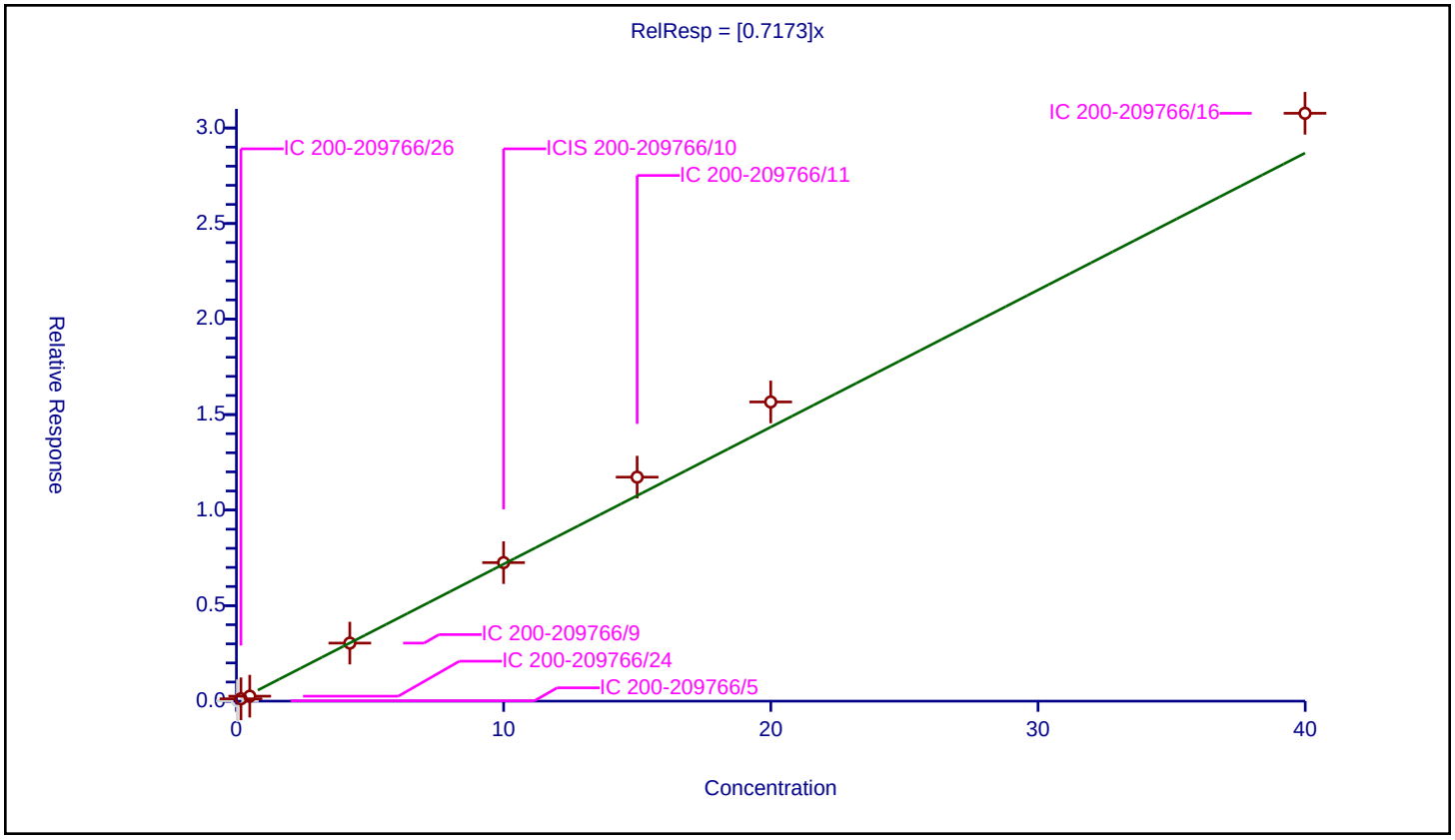
Curve Coefficients

Intercept:	0
Slope:	0.7173

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.020878	10.0	1776542.0	0.595195	N
2	IC 200-209766/26	0.170154	0.123238	10.0	1630185.0	0.724271	Y
3	IC 200-209766/24	0.499256	0.26016	10.0	1626496.0	0.521096	Y
4	IC 200-209766/9	4.243678	3.038904	10.0	1708277.0	0.716101	Y
5	ICIS 200-209766/10	9.99806	7.252068	10.0	1736804.0	0.725347	Y
6	IC 200-209766/11	14.99709	11.724938	10.0	1736300.0	0.781814	Y
7	IC 200-209766/14	19.99612	15.660207	10.0	1736410.0	0.783162	Y
8	IC 200-209766/16	39.99224	30.769263	10.0	1795927.0	0.769381	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

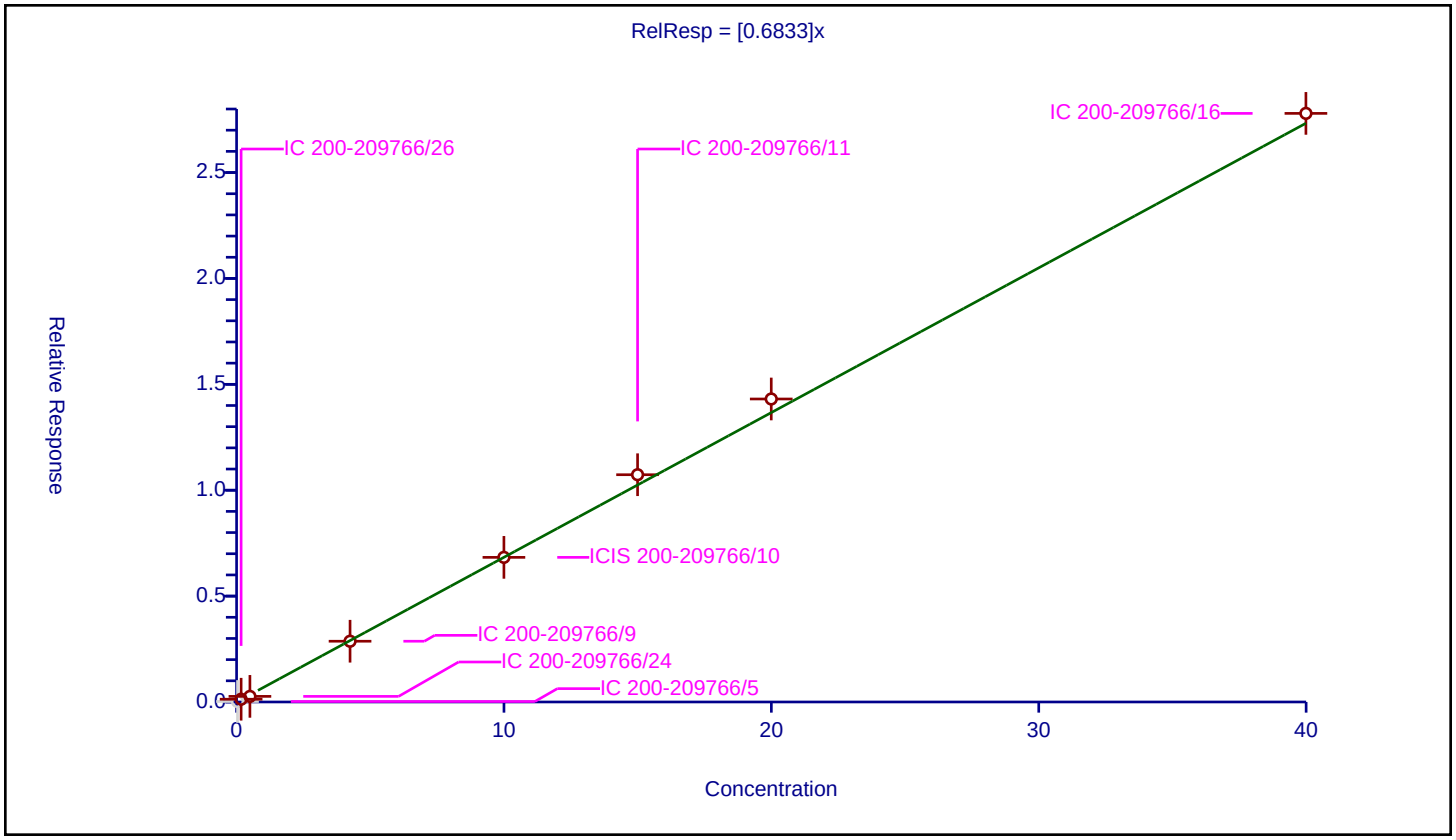
Curve Coefficients

Intercept:	0
Slope:	0.6833

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.022808	10.0	1776542.0	0.650238	N
2	IC 200-209766/26	0.170154	0.130703	10.0	1630185.0	0.768146	Y
3	IC 200-209766/24	0.499256	0.26447	10.0	1626496.0	0.529729	Y
4	IC 200-209766/9	4.243678	2.869488	10.0	1708277.0	0.676179	Y
5	ICIS 200-209766/10	9.99806	6.829447	10.0	1736804.0	0.683077	Y
6	IC 200-209766/11	14.99709	10.731561	10.0	1736300.0	0.715576	Y
7	IC 200-209766/14	19.99612	14.307854	10.0	1736410.0	0.715531	Y
8	IC 200-209766/16	39.99224	27.793635	10.0	1795927.0	0.694976	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

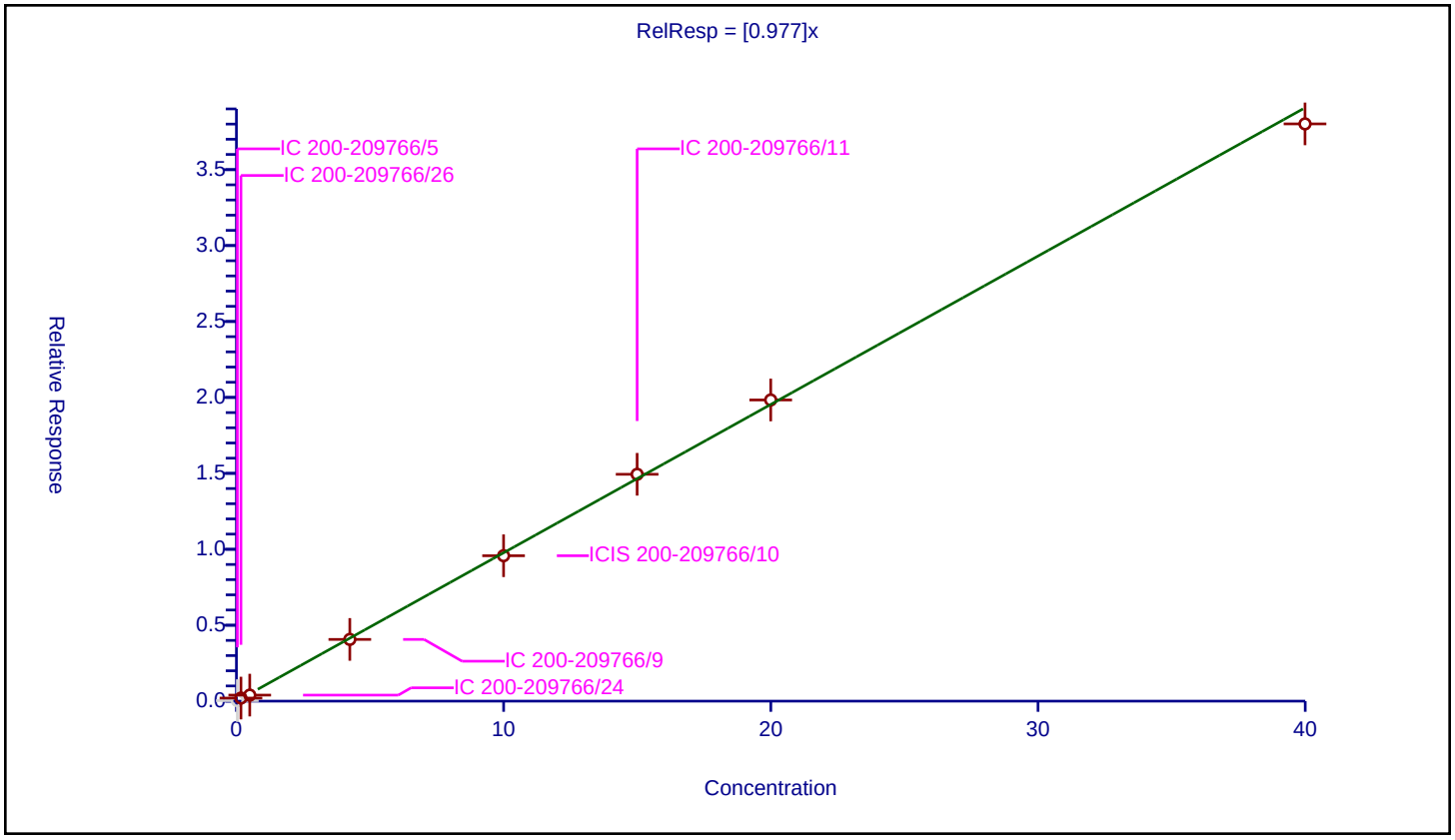
Curve Coefficients

Intercept:	0
Slope:	0.977

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.034911	10.0	1776542.0	0.995255	N
2	IC 200-209766/26	0.170154	0.202633	10.0	1630185.0	1.190883	Y
3	IC 200-209766/24	0.499256	0.396515	10.0	1626496.0	0.794211	Y
4	IC 200-209766/9	4.243678	4.064499	10.0	1708277.0	0.957777	Y
5	ICIS 200-209766/10	9.99806	9.574949	10.0	1736804.0	0.957681	Y
6	IC 200-209766/11	14.99709	14.939037	10.0	1736300.0	0.996129	Y
7	IC 200-209766/14	19.99612	19.832517	10.0	1736410.0	0.991818	Y
8	IC 200-209766/16	39.99224	38.01331	10.0	1795927.0	0.950517	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

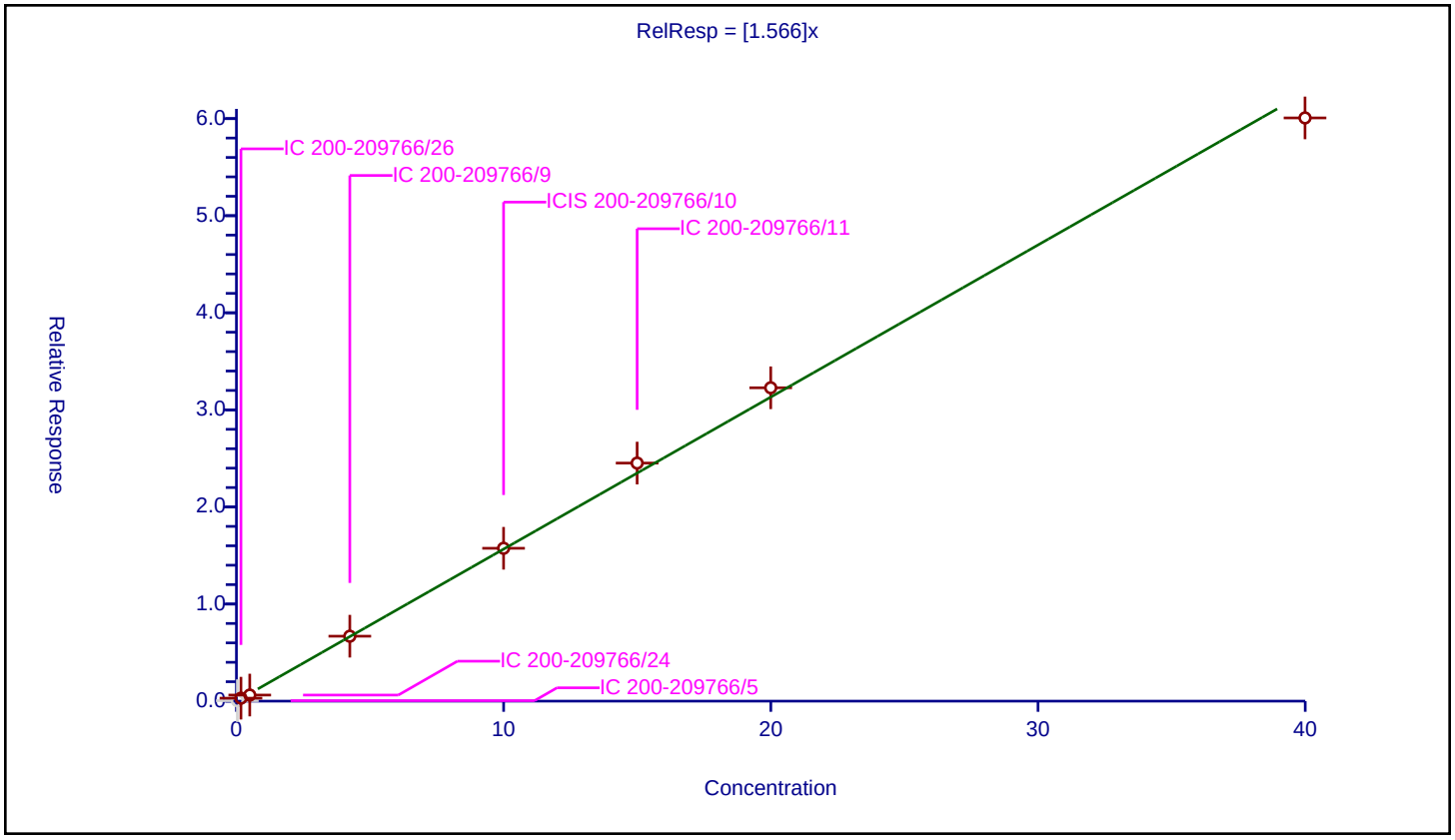
Curve Coefficients

Intercept:	0
Slope:	1.566

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.048555	10.0	1776542.0	1.384243	N
2	IC 200-209766/26	0.170154	0.306885	10.0	1630185.0	1.803576	Y
3	IC 200-209766/24	0.499256	0.627631	10.0	1626496.0	1.257133	Y
4	IC 200-209766/9	4.243678	6.688669	10.0	1708277.0	1.576149	Y
5	ICIS 200-209766/10	9.99806	15.745001	10.0	1736804.0	1.574806	Y
6	IC 200-209766/11	14.99709	24.52067	10.0	1736300.0	1.635029	Y
7	IC 200-209766/14	19.99612	32.275016	10.0	1736410.0	1.614064	Y
8	IC 200-209766/16	39.99224	60.070409	10.0	1795927.0	1.502052	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

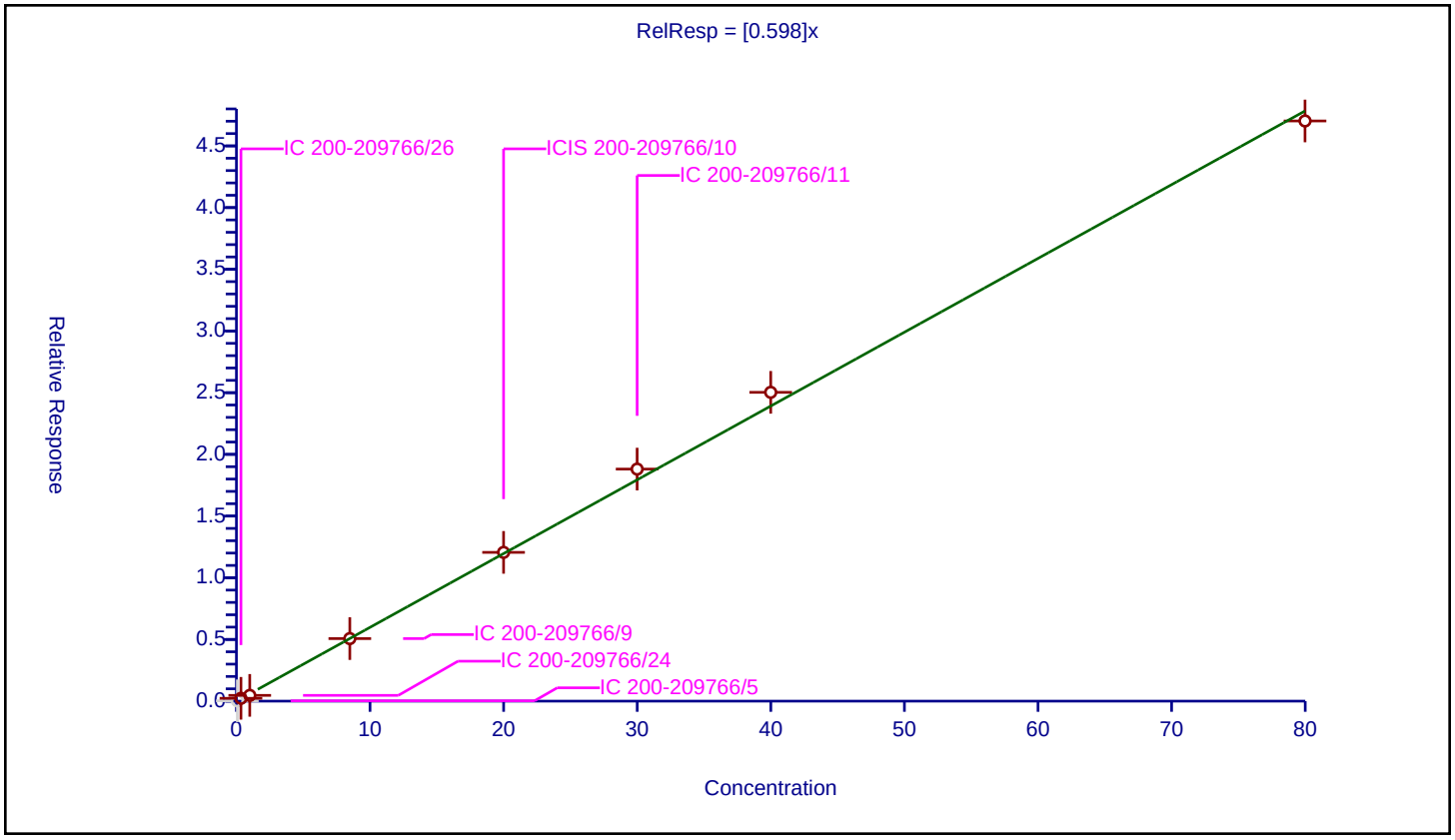
Curve Coefficients

Intercept:	0
Slope:	0.598

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.070154	0.027024	10.0	1776542.0	0.385216	N
2	IC 200-209766/26	0.340308	0.230409	10.0	1630185.0	0.677062	Y
3	IC 200-209766/24	0.998513	0.467219	10.0	1626496.0	0.467915	Y
4	IC 200-209766/9	8.487357	5.070296	10.0	1708277.0	0.597394	Y
5	ICIS 200-209766/10	19.99612	12.056168	10.0	1736804.0	0.602925	Y
6	IC 200-209766/11	29.99418	18.807902	10.0	1736300.0	0.627052	Y
7	IC 200-209766/14	39.99224	25.028271	10.0	1736410.0	0.625828	Y
8	IC 200-209766/16	79.984479	47.022908	10.0	1795927.0	0.5879	Y



Calibration / n-Nonane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

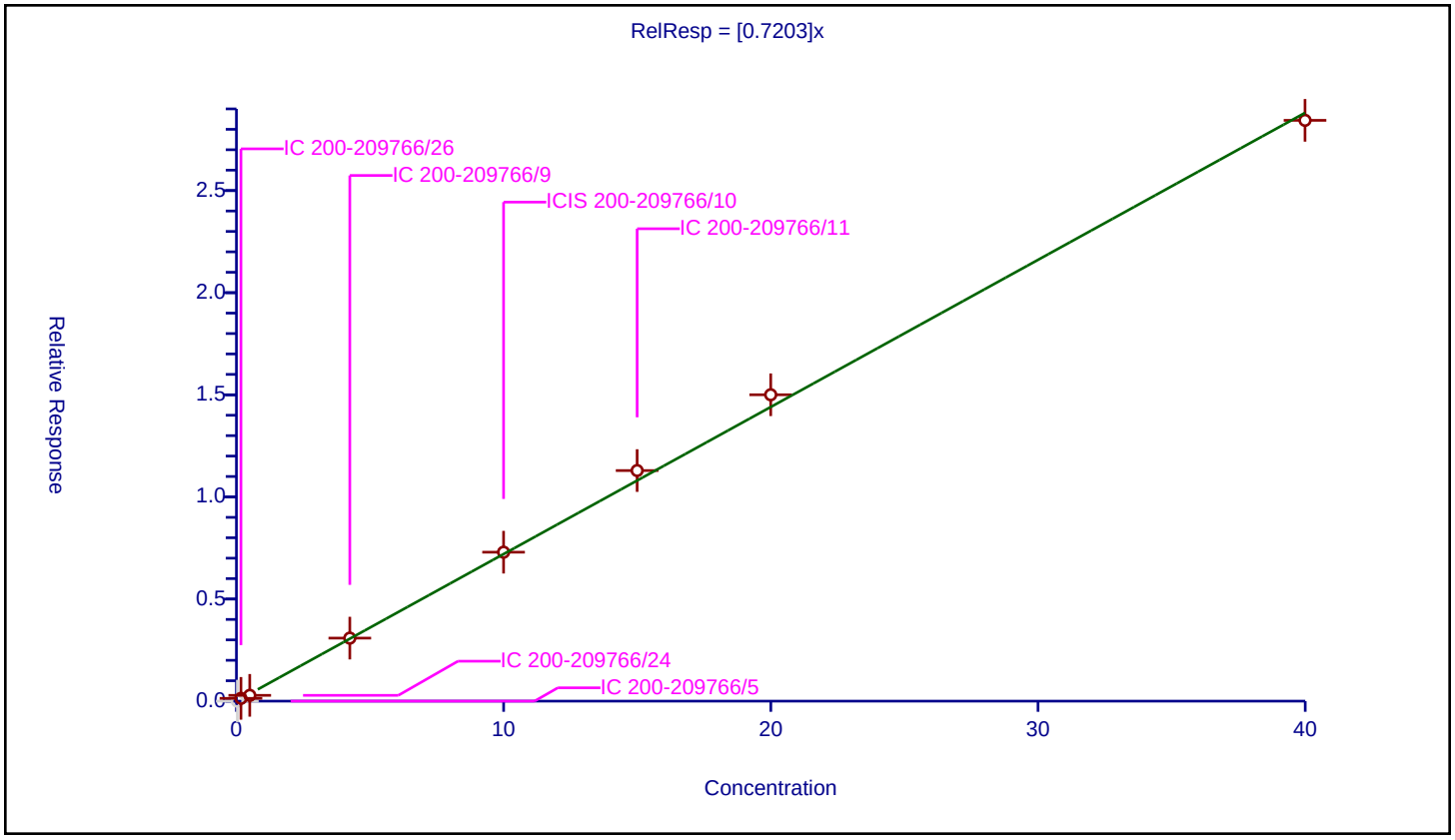
Curve Coefficients

Intercept:	0
Slope:	0.7203

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.0	10.0	1776542.0	0.0	N
2	IC 200-209766/26	0.170154	0.136764	10.0	1630185.0	0.803764	Y
3	IC 200-209766/24	0.499256	0.283142	10.0	1626496.0	0.567128	Y
4	IC 200-209766/9	4.243678	3.086631	10.0	1708277.0	0.727348	Y
5	ICIS 200-209766/10	9.99806	7.293592	10.0	1736804.0	0.729501	Y
6	IC 200-209766/11	14.99709	11.290313	10.0	1736300.0	0.752834	Y
7	IC 200-209766/14	19.99612	15.002989	10.0	1736410.0	0.750295	Y
8	IC 200-209766/16	39.99224	28.439797	10.0	1795927.0	0.711133	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

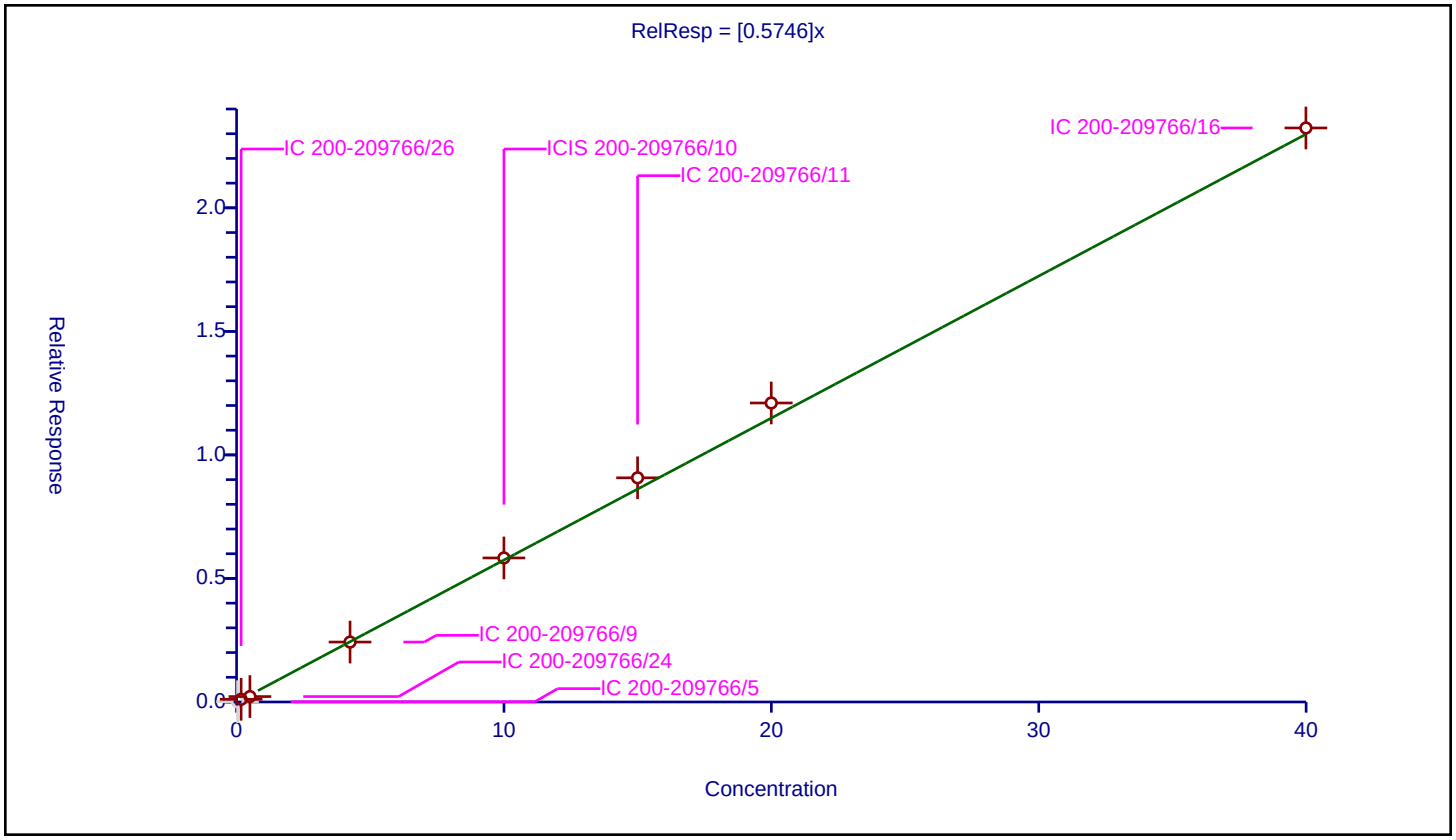
Curve Coefficients

Intercept:	0
Slope:	0.5746

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.011669	10.0	1776542.0	0.332661	N
2	IC 200-209766/26	0.170154	0.108227	10.0	1630185.0	0.636054	Y
3	IC 200-209766/24	0.499256	0.219847	10.0	1626496.0	0.440349	Y
4	IC 200-209766/9	4.243678	2.4259	10.0	1708277.0	0.57165	Y
5	ICIS 200-209766/10	9.99806	5.83033	10.0	1736804.0	0.583146	Y
6	IC 200-209766/11	14.99709	9.073392	10.0	1736300.0	0.60501	Y
7	IC 200-209766/14	19.99612	12.101324	10.0	1736410.0	0.605184	Y
8	IC 200-209766/16	39.99224	23.232876	10.0	1795927.0	0.580935	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

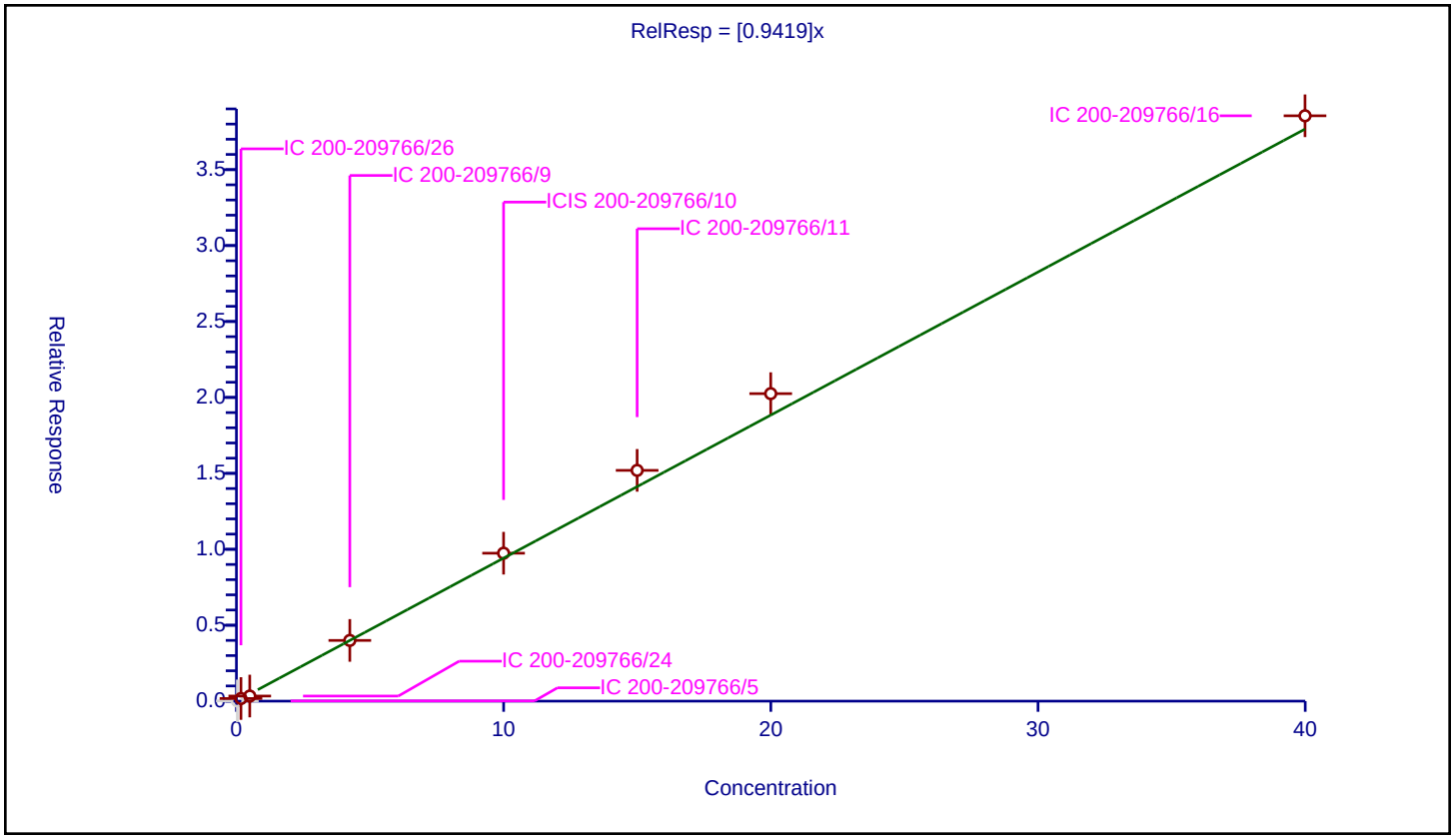
Curve Coefficients

Intercept:	0
Slope:	0.9419

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.0141	10.0	1776542.0	0.401986	N
2	IC 200-209766/26	0.170154	0.172447	10.0	1630185.0	1.013475	Y
3	IC 200-209766/24	0.499256	0.336226	10.0	1626496.0	0.673453	Y
4	IC 200-209766/9	4.243678	3.998555	10.0	1708277.0	0.942238	Y
5	ICIS 200-209766/10	9.99806	9.742418	10.0	1736804.0	0.974431	Y
6	IC 200-209766/11	14.99709	15.196441	10.0	1736300.0	1.013293	Y
7	IC 200-209766/14	19.99612	20.248582	10.0	1736410.0	1.012626	Y
8	IC 200-209766/16	39.99224	38.545676	10.0	1795927.0	0.963829	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

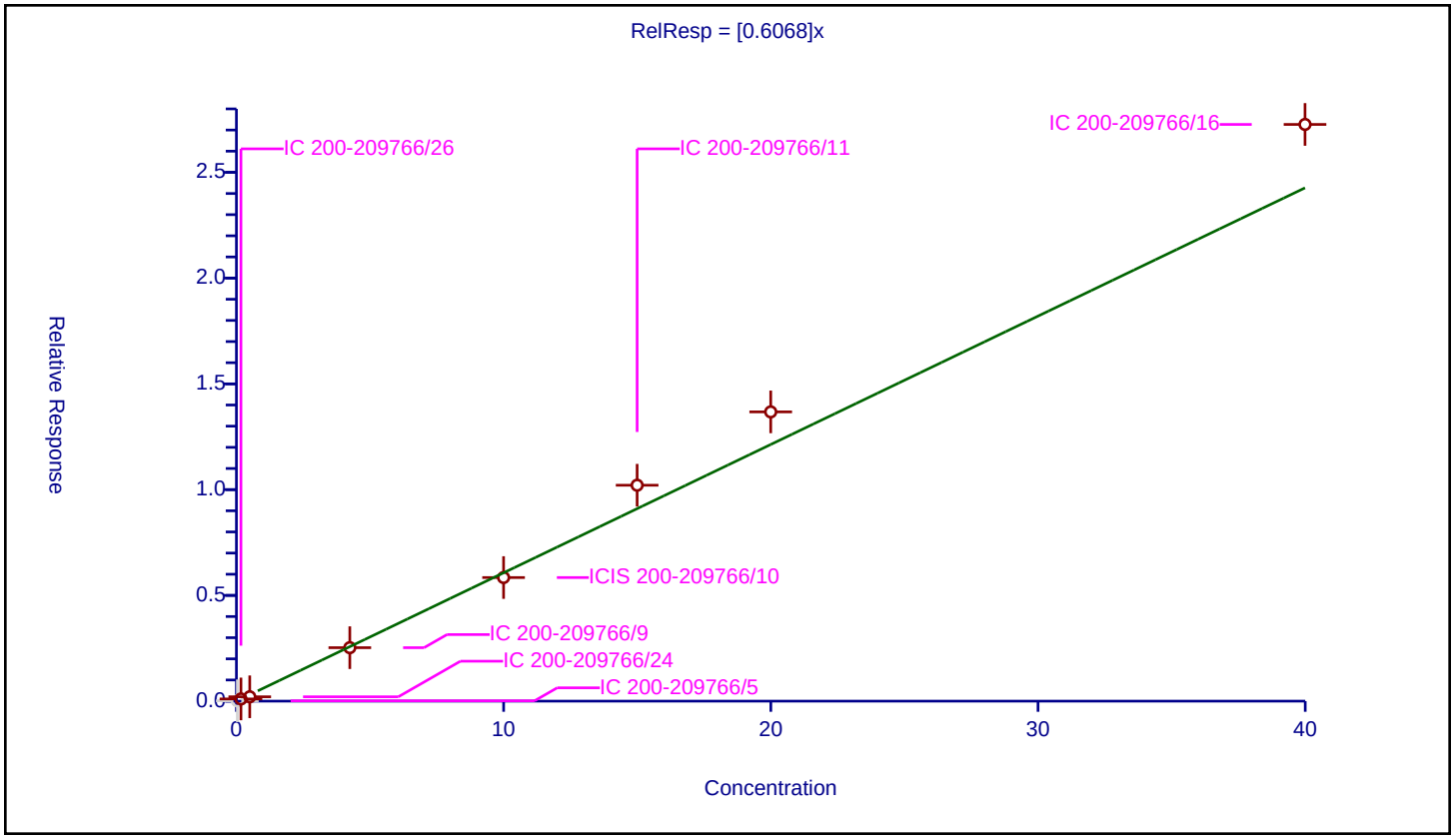
Curve Coefficients

Intercept:	0
Slope:	0.6068

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.015389	10.0	1776542.0	0.438734	N
2	IC 200-209766/26	0.170154	0.103559	10.0	1630185.0	0.608618	Y
3	IC 200-209766/24	0.499256	0.205903	10.0	1626496.0	0.412419	Y
4	IC 200-209766/9	4.243678	2.527424	10.0	1708277.0	0.595574	Y
5	ICIS 200-209766/10	9.99806	5.843348	10.0	1736804.0	0.584448	Y
6	IC 200-209766/11	14.99709	10.208167	10.0	1736300.0	0.680677	Y
7	IC 200-209766/14	19.99612	13.675152	10.0	1736410.0	0.68389	Y
8	IC 200-209766/16	39.99224	27.264594	10.0	1795927.0	0.681747	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

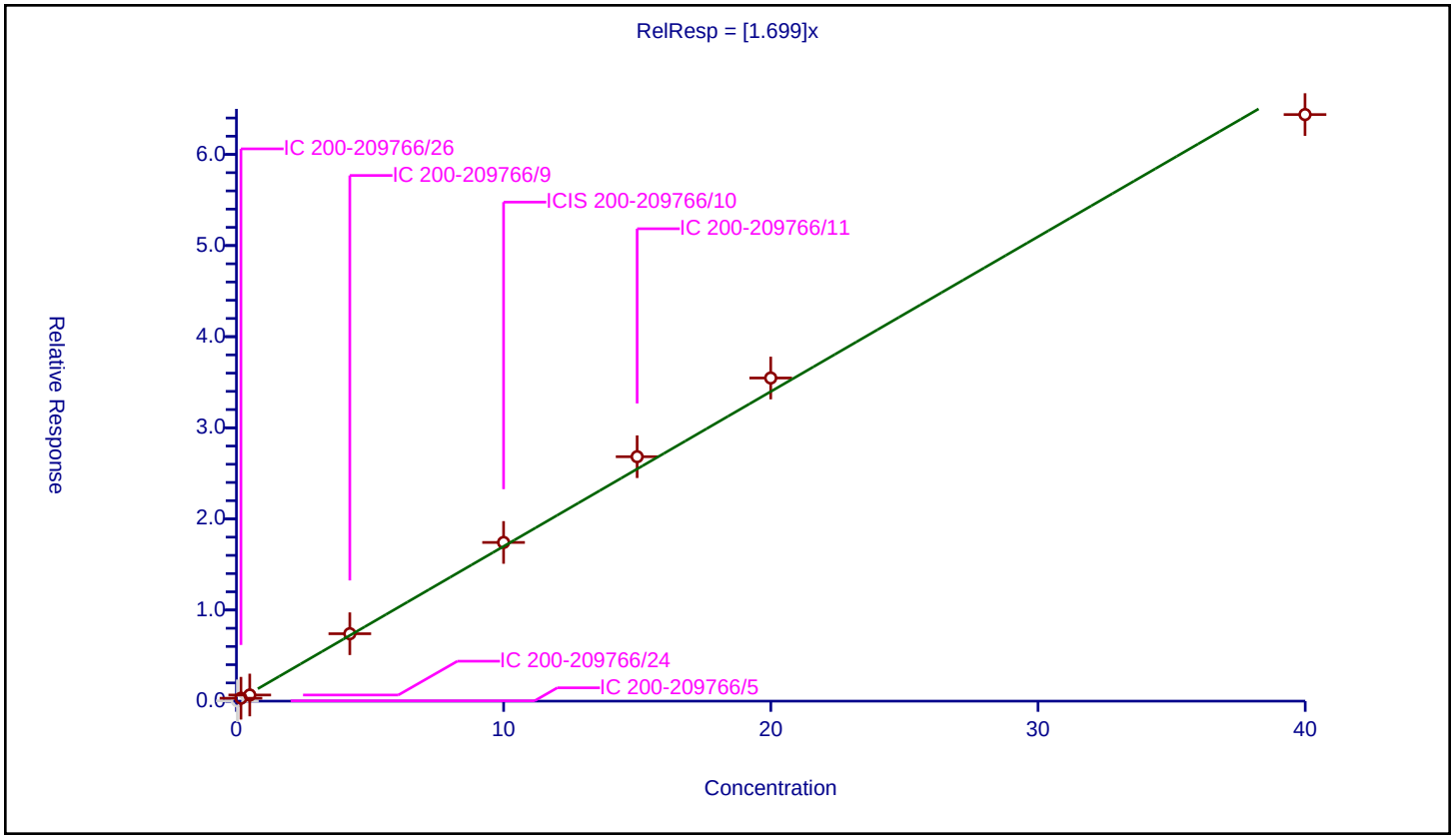
Curve Coefficients

Intercept:	0
Slope:	1.699

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.033075	10.0	1776542.0	0.942941	N
2	IC 200-209766/26	0.170154	0.321203	10.0	1630185.0	1.88772	Y
3	IC 200-209766/24	0.499256	0.673023	10.0	1626496.0	1.348052	Y
4	IC 200-209766/9	4.243678	7.398712	10.0	1708277.0	1.743467	Y
5	ICIS 200-209766/10	9.99806	17.41706	10.0	1736804.0	1.742044	Y
6	IC 200-209766/11	14.99709	26.828342	10.0	1736300.0	1.788903	Y
7	IC 200-209766/14	19.99612	35.465155	10.0	1736410.0	1.773602	Y
8	IC 200-209766/16	39.99224	64.378207	10.0	1795927.0	1.609767	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

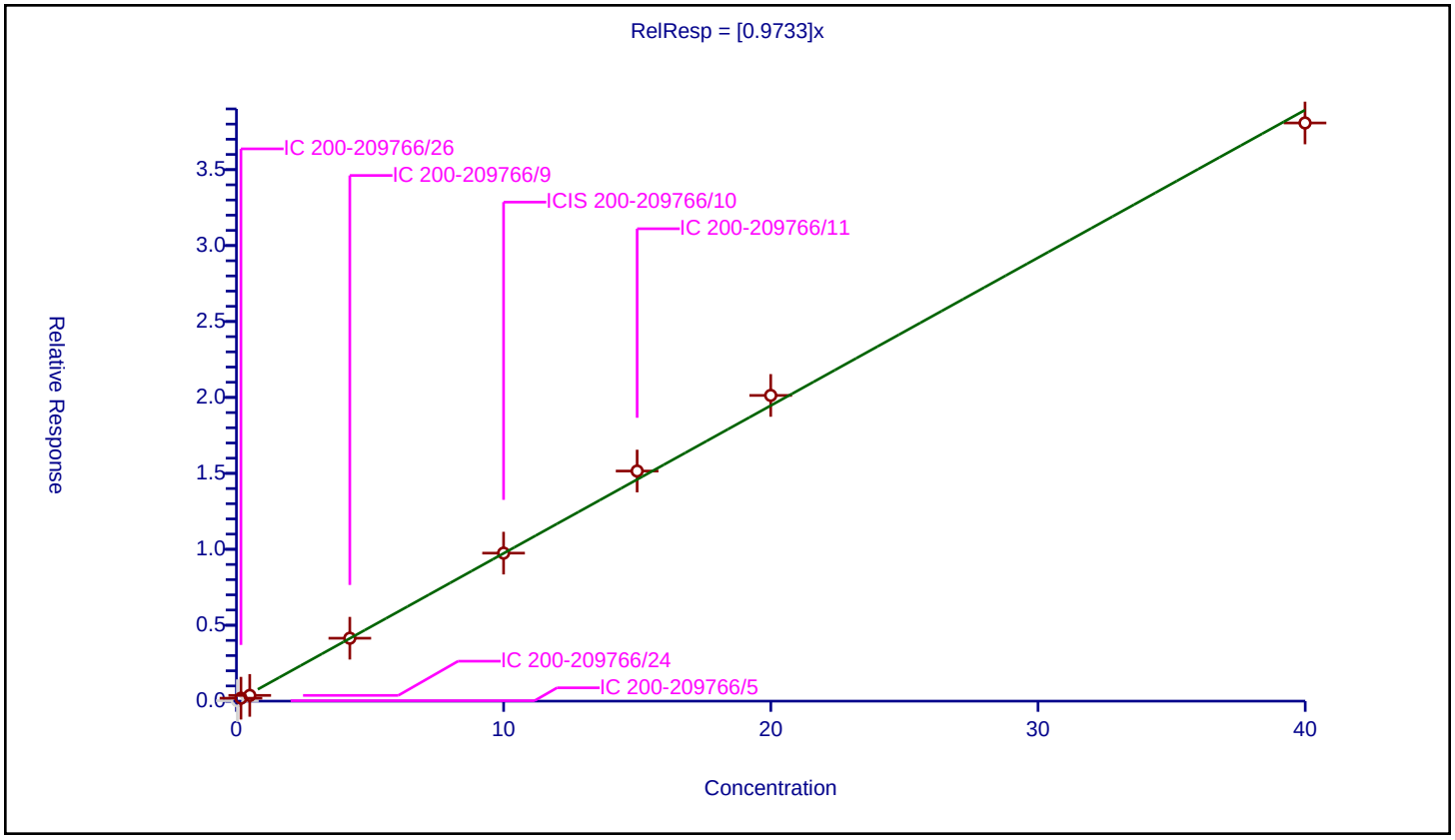
Curve Coefficients

Intercept:	0
Slope:	0.9733

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.029681	10.0	1776542.0	0.846176	N
2	IC 200-209766/26	0.170154	0.193444	10.0	1630185.0	1.136879	Y
3	IC 200-209766/24	0.499256	0.377376	10.0	1626496.0	0.755876	Y
4	IC 200-209766/9	4.243678	4.143163	10.0	1708277.0	0.976314	Y
5	ICIS 200-209766/10	9.99806	9.747772	10.0	1736804.0	0.974966	Y
6	IC 200-209766/11	14.99709	15.151852	10.0	1736300.0	1.010319	Y
7	IC 200-209766/14	19.99612	20.131173	10.0	1736410.0	1.006754	Y
8	IC 200-209766/16	39.99224	38.073262	10.0	1795927.0	0.952016	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

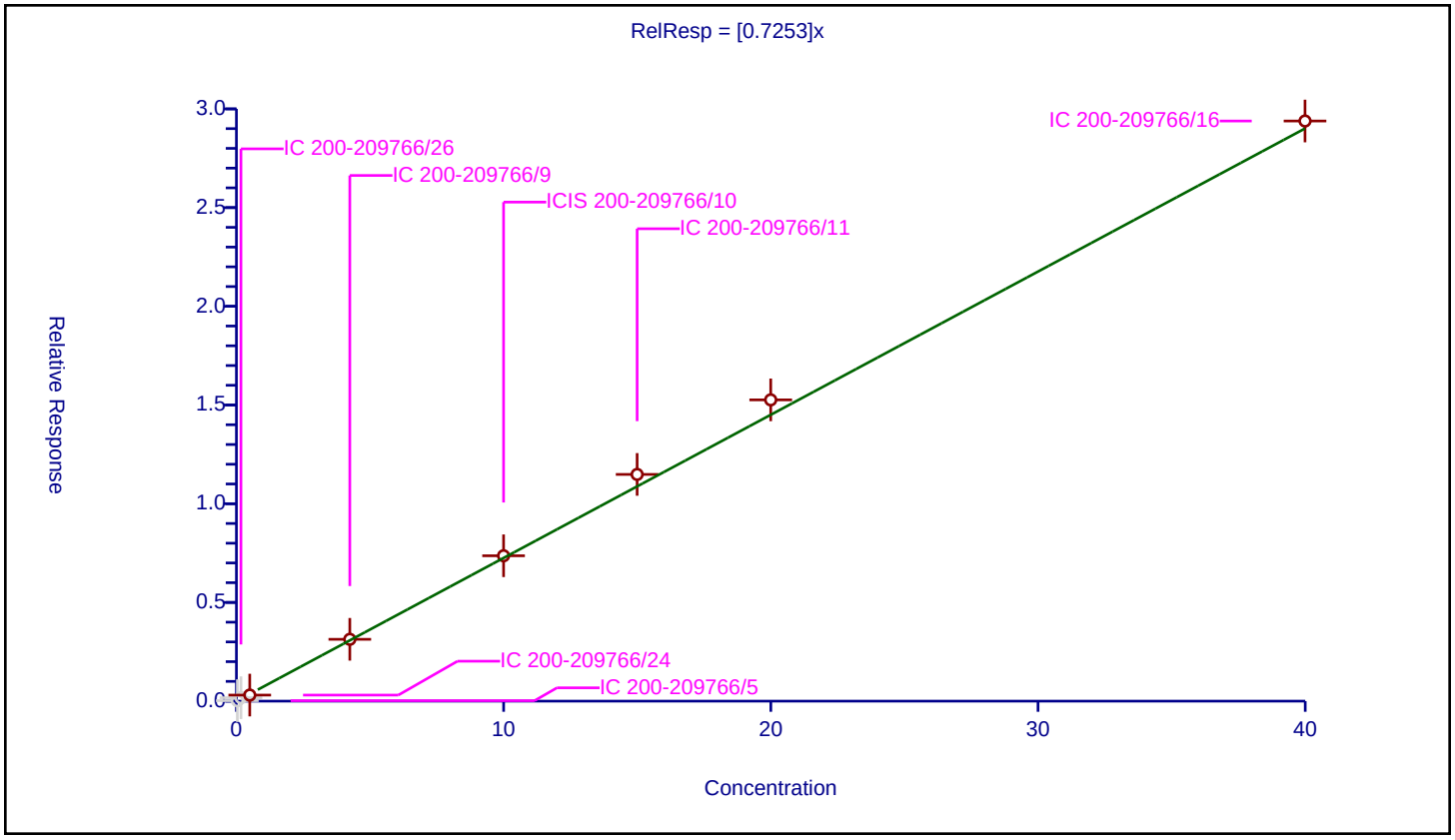
Curve Coefficients

Intercept:	0
Slope:	0.7253

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.024244	10.0	1776542.0	0.691159	N
2	IC 200-209766/26	0.170154	0.173802	10.0	1630185.0	1.021442	N
3	IC 200-209766/24	0.499256	0.306346	10.0	1626496.0	0.613604	Y
4	IC 200-209766/9	4.243678	3.1315	10.0	1708277.0	0.737921	Y
5	ICIS 200-209766/10	9.99806	7.363888	10.0	1736804.0	0.736532	Y
6	IC 200-209766/11	14.99709	11.483845	10.0	1736300.0	0.765738	Y
7	IC 200-209766/14	19.99612	15.261108	10.0	1736410.0	0.763203	Y
8	IC 200-209766/16	39.99224	29.386506	10.0	1795927.0	0.734805	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

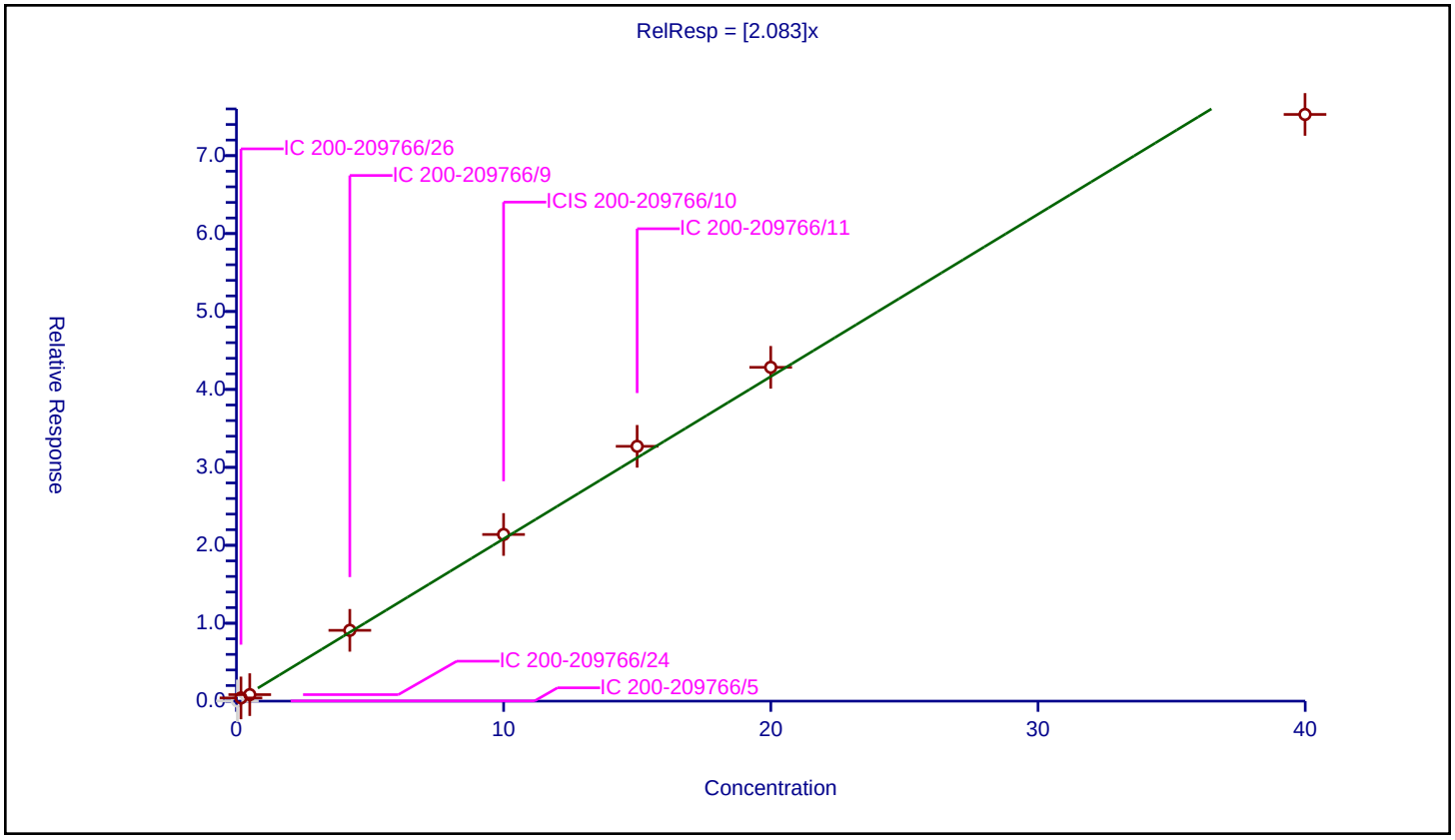
Curve Coefficients

Intercept:	0
Slope:	2.083

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.024548	10.0	1776542.0	0.699824	N
2	IC 200-209766/26	0.170154	0.4121	10.0	1630185.0	2.421928	Y
3	IC 200-209766/24	0.499256	0.834346	10.0	1626496.0	1.671177	Y
4	IC 200-209766/9	4.243678	9.08763	10.0	1708277.0	2.141451	Y
5	ICIS 200-209766/10	9.99806	21.38733	10.0	1736804.0	2.139148	Y
6	IC 200-209766/11	14.99709	32.699401	10.0	1736300.0	2.180383	Y
7	IC 200-209766/14	19.99612	42.838362	10.0	1736410.0	2.142334	Y
8	IC 200-209766/16	39.99224	75.288478	10.0	1795927.0	1.882577	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

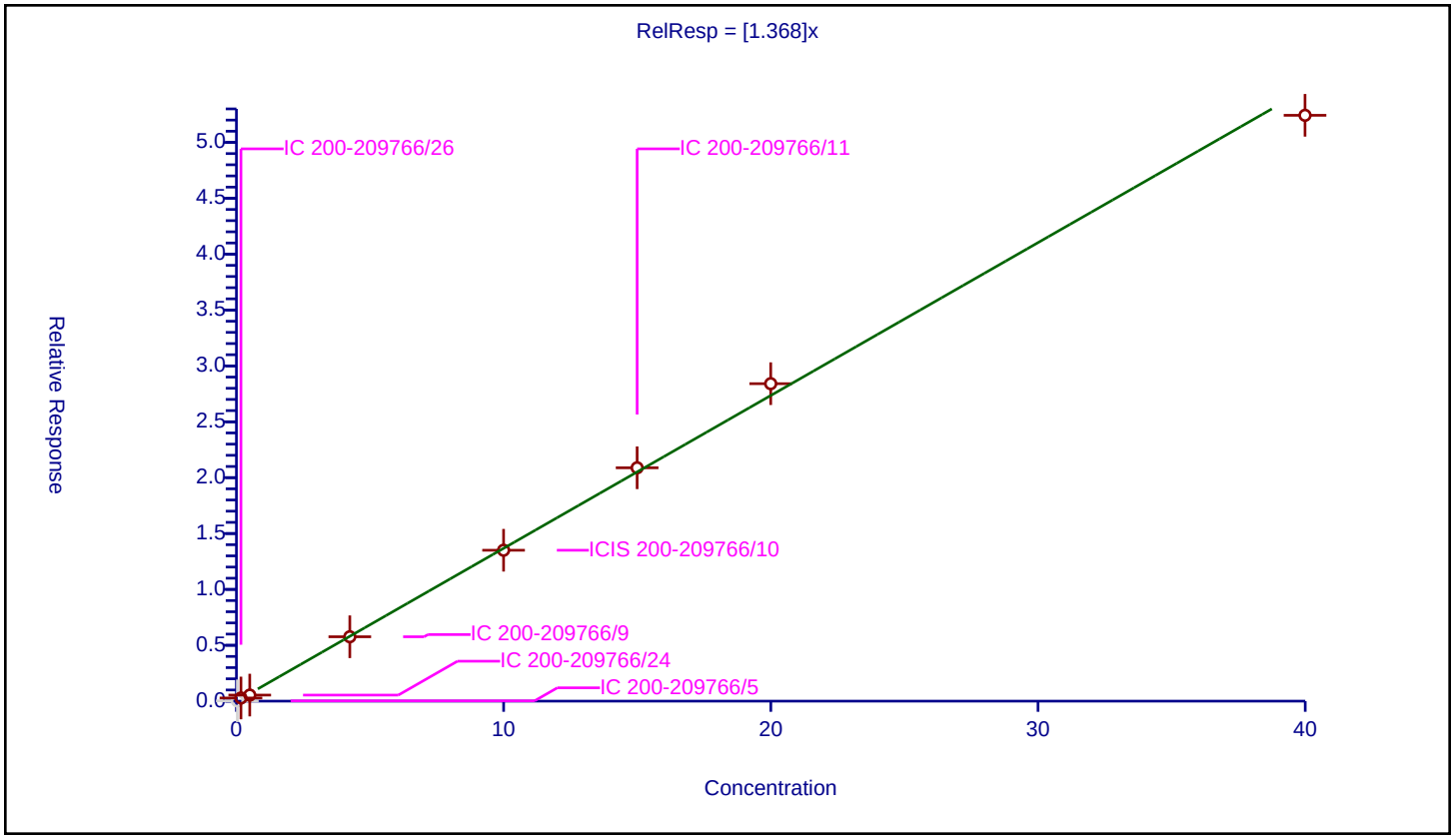
Curve Coefficients

Intercept:	0
Slope:	1.368

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.024187	10.0	1776542.0	0.689554	N
2	IC 200-209766/26	0.170154	0.282029	10.0	1630185.0	1.657496	Y
3	IC 200-209766/24	0.499256	0.541176	10.0	1626496.0	1.083964	Y
4	IC 200-209766/9	4.243678	5.761566	10.0	1708277.0	1.357682	Y
5	ICIS 200-209766/10	9.99806	13.503936	10.0	1736804.0	1.350656	Y
6	IC 200-209766/11	14.99709	20.883638	10.0	1736300.0	1.392513	Y
7	IC 200-209766/14	19.99612	28.408797	10.0	1736410.0	1.420716	Y
8	IC 200-209766/16	39.99224	52.425973	10.0	1795927.0	1.310904	Y



Calibration / 4-Ethyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

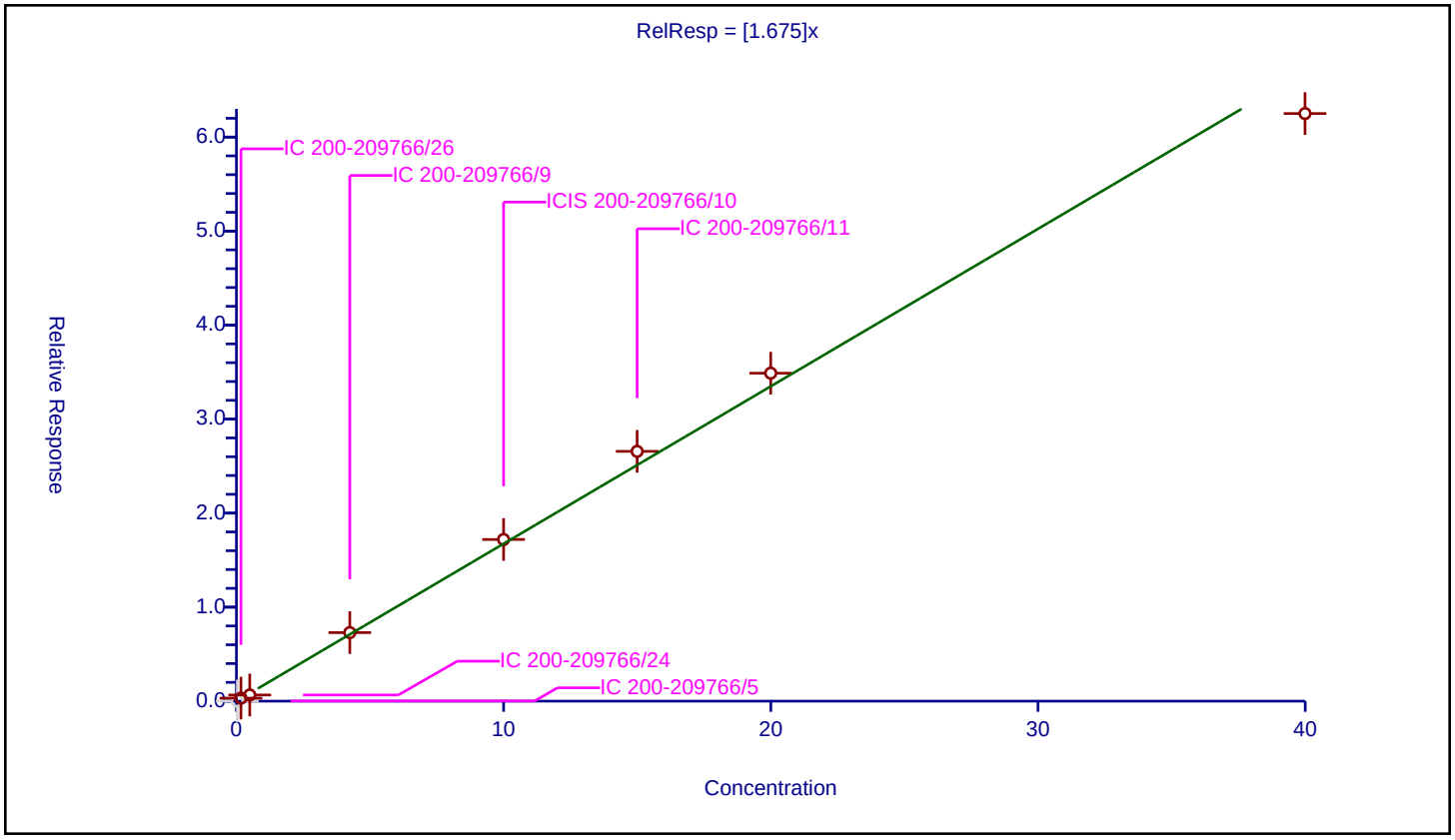
Curve Coefficients

Intercept:	0
Slope:	1.675

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.016481	10.0	1776542.0	0.469866	N
2	IC 200-209766/26	0.170154	0.322006	10.0	1630185.0	1.892442	Y
3	IC 200-209766/24	0.499256	0.65539	10.0	1626496.0	1.312734	Y
4	IC 200-209766/9	4.243678	7.290188	10.0	1708277.0	1.717894	Y
5	ICIS 200-209766/10	9.99806	17.19521	10.0	1736804.0	1.719855	Y
6	IC 200-209766/11	14.99709	26.571693	10.0	1736300.0	1.77179	Y
7	IC 200-209766/14	19.99612	34.8863	10.0	1736410.0	1.744653	Y
8	IC 200-209766/16	39.99224	62.504077	10.0	1795927.0	1.562905	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

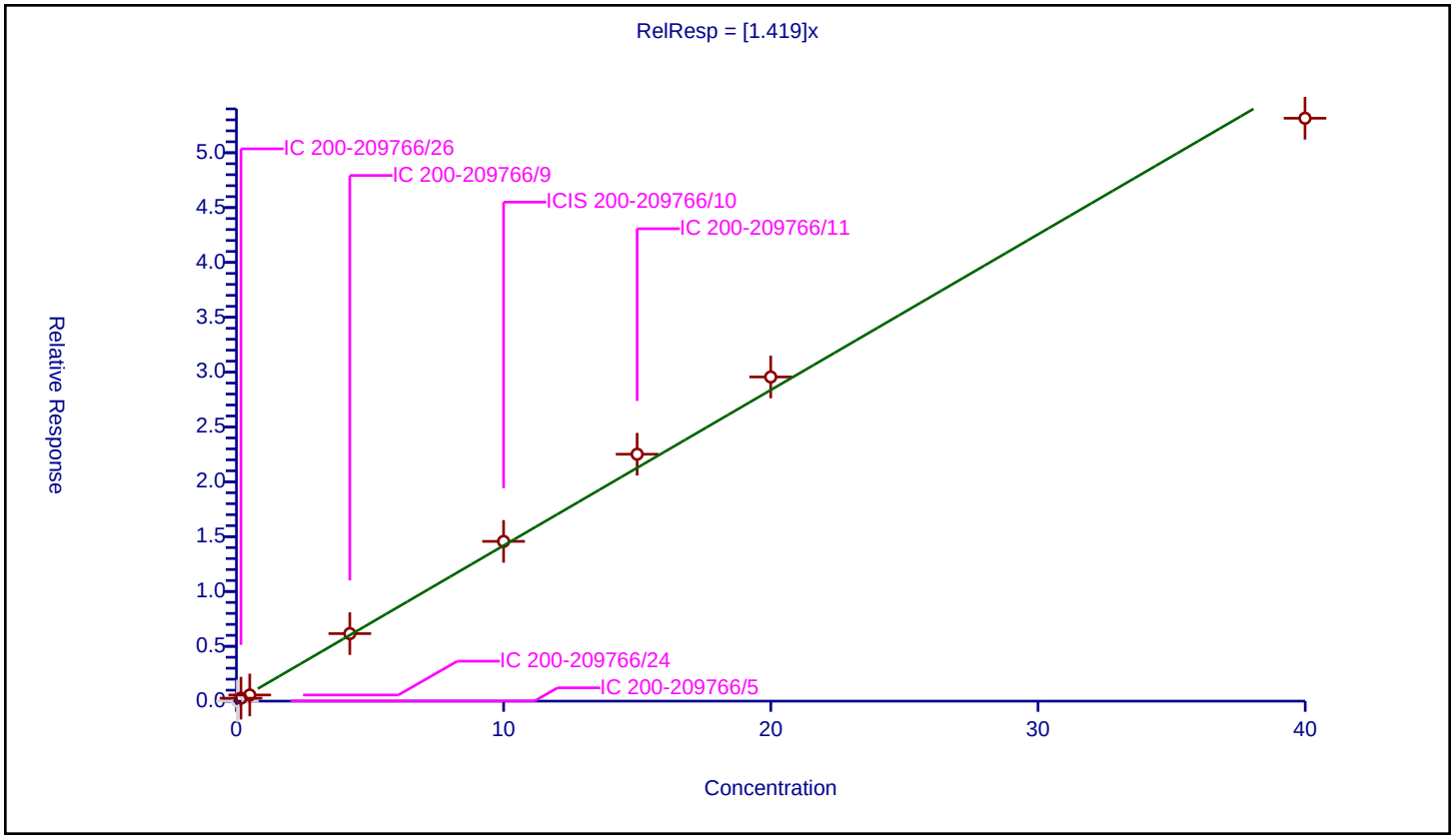
Curve Coefficients

Intercept:	0
Slope:	1.419

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.014494	10.0	1776542.0	0.413219	N
2	IC 200-209766/26	0.170154	0.270123	10.0	1630185.0	1.58752	Y
3	IC 200-209766/24	0.499256	0.562498	10.0	1626496.0	1.126671	Y
4	IC 200-209766/9	4.243678	6.156999	10.0	1708277.0	1.450864	Y
5	ICIS 200-209766/10	9.99806	14.566549	10.0	1736804.0	1.456938	Y
6	IC 200-209766/11	14.99709	22.514974	10.0	1736300.0	1.50129	Y
7	IC 200-209766/14	19.99612	29.55708	10.0	1736410.0	1.478141	Y
8	IC 200-209766/16	39.99224	53.147706	10.0	1795927.0	1.32895	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

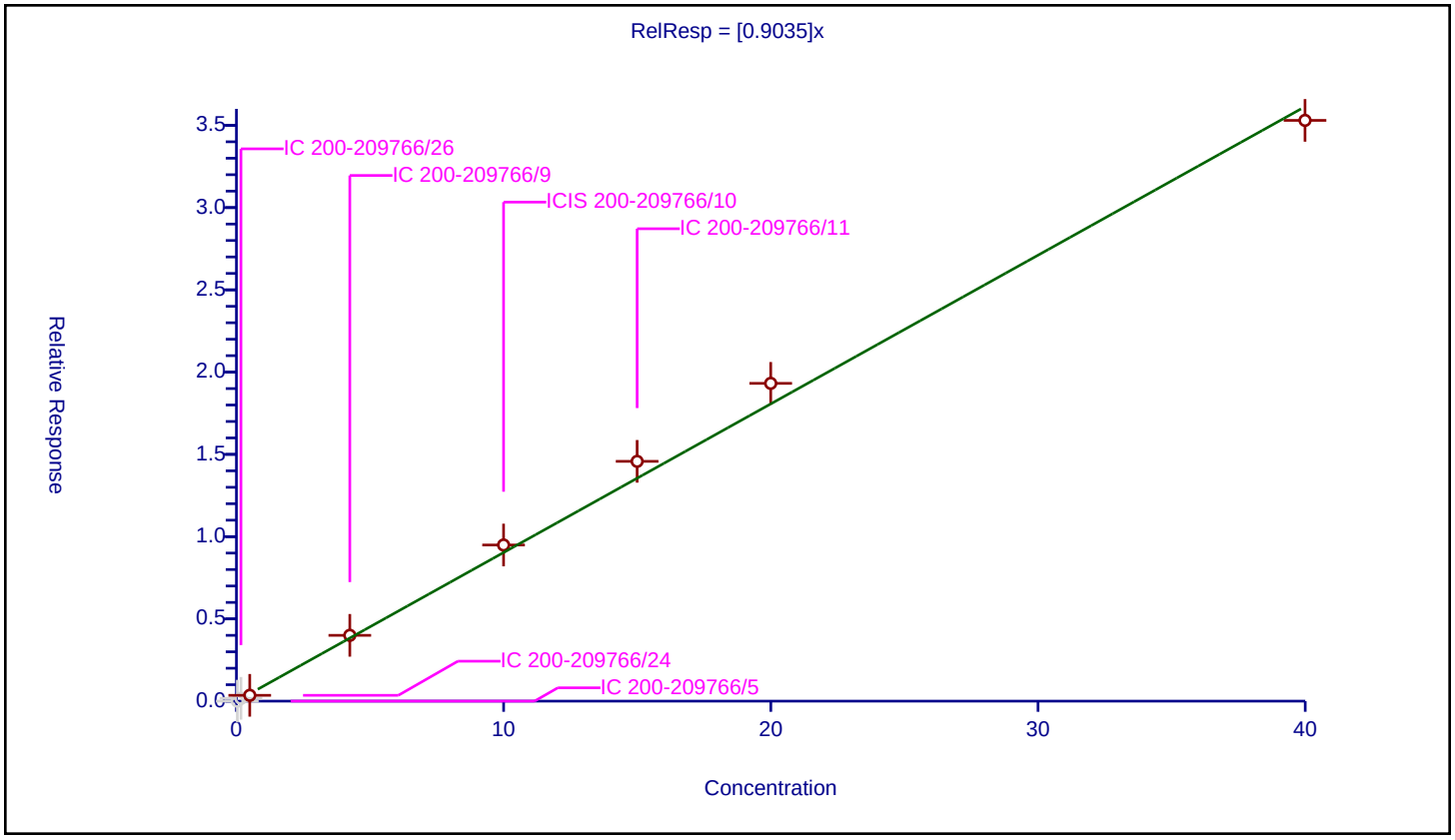
Curve Coefficients

Intercept:	0
Slope:	0.9035

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.0	10.0	1776542.0	0.0	N
2	IC 200-209766/26	0.170154	0.171471	10.0	1630185.0	1.007743	N
3	IC 200-209766/24	0.499256	0.353902	10.0	1626496.0	0.708858	Y
4	IC 200-209766/9	4.243678	3.99982	10.0	1708277.0	0.942536	Y
5	ICIS 200-209766/10	9.99806	9.490518	10.0	1736804.0	0.949236	Y
6	IC 200-209766/11	14.99709	14.575574	10.0	1736300.0	0.971894	Y
7	IC 200-209766/14	19.99612	19.316458	10.0	1736410.0	0.96601	Y
8	IC 200-209766/16	39.99224	35.301129	10.0	1795927.0	0.882699	Y



Calibration / Alpha Methyl Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

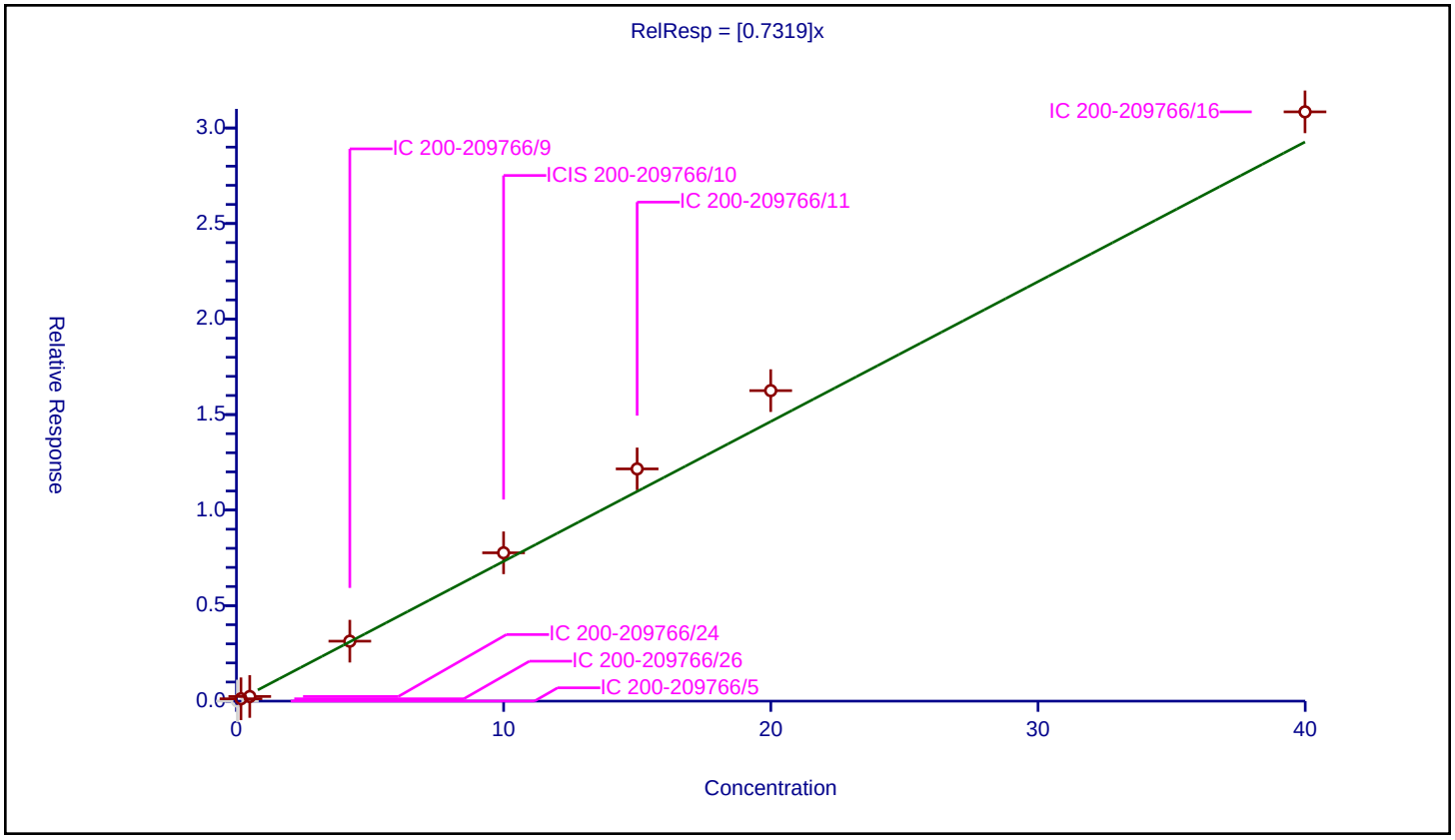
Curve Coefficients

Intercept:	0
Slope:	0.7319

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.004548	10.0	1776542.0	0.129662	N
2	IC 200-209766/26	0.170154	0.123538	10.0	1630185.0	0.726038	Y
3	IC 200-209766/24	0.499256	0.24265	10.0	1626496.0	0.486024	Y
4	IC 200-209766/9	4.243678	3.139274	10.0	1708277.0	0.739753	Y
5	ICIS 200-209766/10	9.99806	7.764555	10.0	1736804.0	0.776606	Y
6	IC 200-209766/11	14.99709	12.155941	10.0	1736300.0	0.810553	Y
7	IC 200-209766/14	19.99612	16.253512	10.0	1736410.0	0.812833	Y
8	IC 200-209766/16	39.99224	30.845469	10.0	1795927.0	0.771286	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

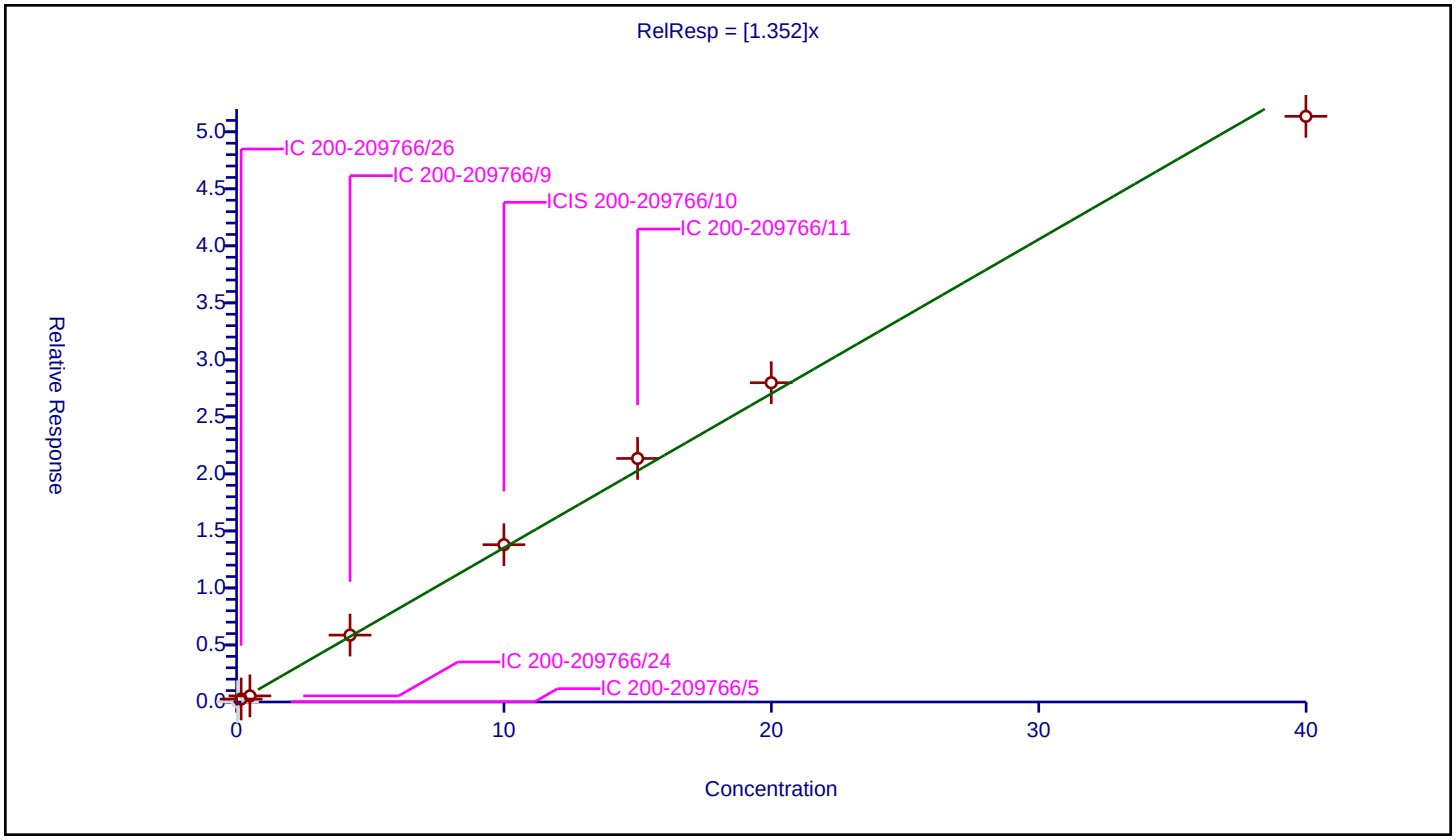
Curve Coefficients

Intercept:	0
Slope:	1.352

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.024733	10.0	1776542.0	0.70512	N
2	IC 200-209766/26	0.170154	0.259811	10.0	1630185.0	1.526918	Y
3	IC 200-209766/24	0.499256	0.533306	10.0	1626496.0	1.068201	Y
4	IC 200-209766/9	4.243678	5.866355	10.0	1708277.0	1.382375	Y
5	ICIS 200-209766/10	9.99806	13.794429	10.0	1736804.0	1.379711	Y
6	IC 200-209766/11	14.99709	21.355336	10.0	1736300.0	1.423965	Y
7	IC 200-209766/14	19.99612	27.998071	10.0	1736410.0	1.400175	Y
8	IC 200-209766/16	39.99224	51.359059	10.0	1795927.0	1.284226	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

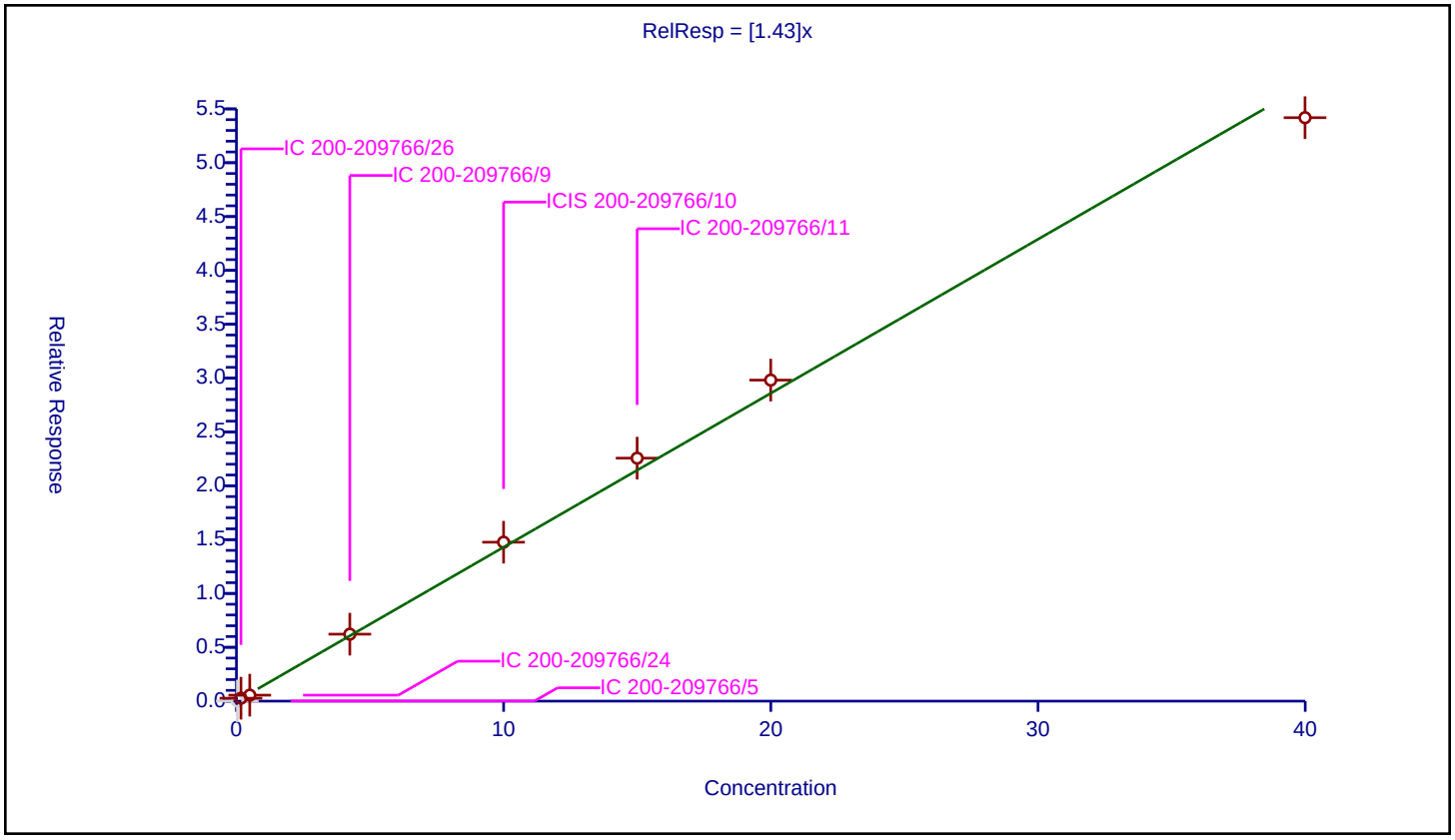
Curve Coefficients

Intercept:	0
Slope:	1.43

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.012434	10.0	1776542.0	0.354486	N
2	IC 200-209766/26	0.170154	0.273122	10.0	1630185.0	1.605149	Y
3	IC 200-209766/24	0.499256	0.554609	10.0	1626496.0	1.110871	Y
4	IC 200-209766/9	4.243678	6.218675	10.0	1708277.0	1.465397	Y
5	ICIS 200-209766/10	9.99806	14.76113	10.0	1736804.0	1.476399	Y
6	IC 200-209766/11	14.99709	22.56591	10.0	1736300.0	1.504686	Y
7	IC 200-209766/14	19.99612	29.814307	10.0	1736410.0	1.491005	Y
8	IC 200-209766/16	39.99224	54.183683	10.0	1795927.0	1.354855	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

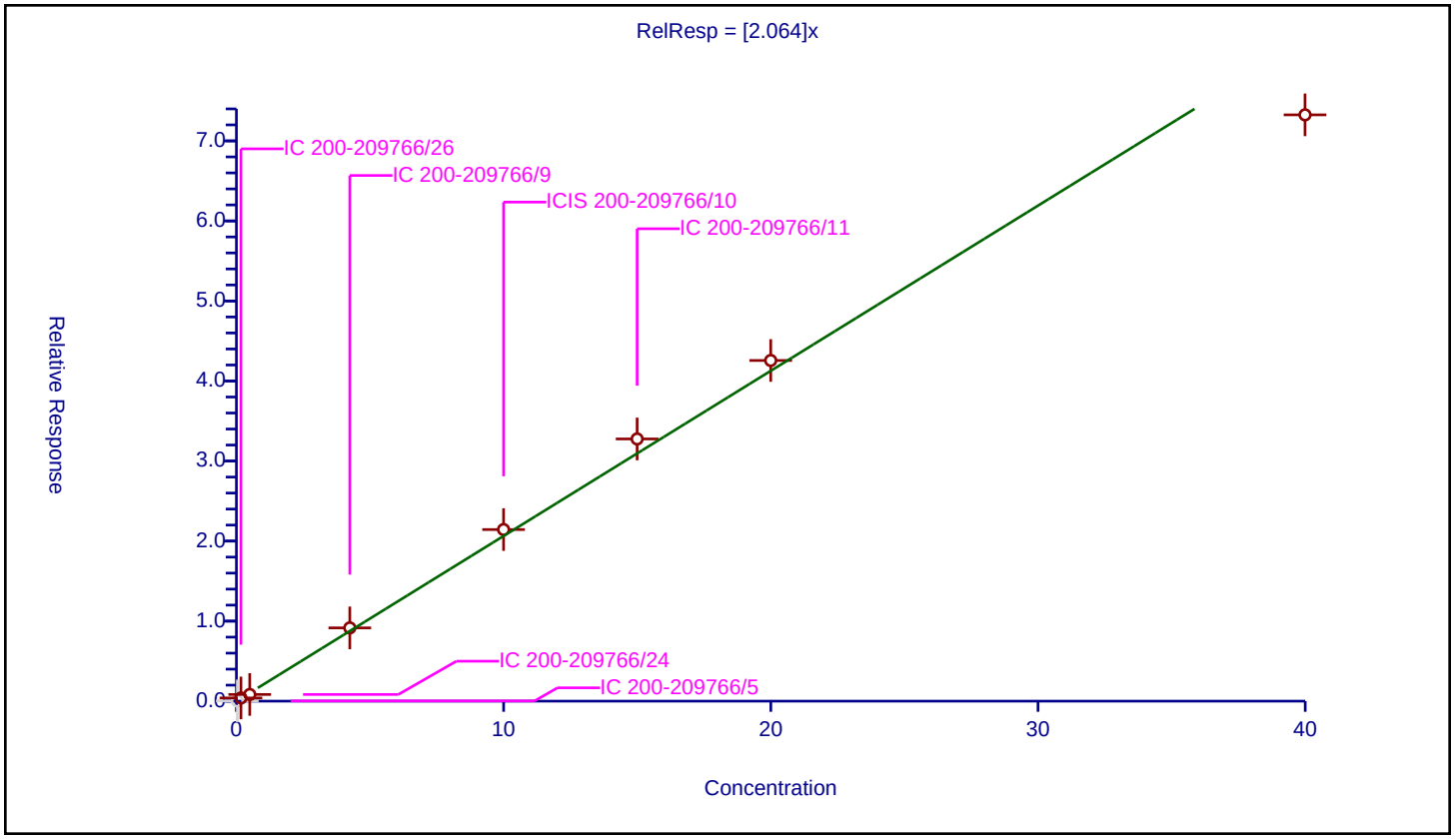
Curve Coefficients

Intercept:	0
Slope:	2.064

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.023698	10.0	1776542.0	0.675593	N
2	IC 200-209766/26	0.170154	0.396335	10.0	1630185.0	2.329276	Y
3	IC 200-209766/24	0.499256	0.834161	10.0	1626496.0	1.670808	Y
4	IC 200-209766/9	4.243678	9.153691	10.0	1708277.0	2.157018	Y
5	ICIS 200-209766/10	9.99806	21.438694	10.0	1736804.0	2.144285	Y
6	IC 200-209766/11	14.99709	32.762714	10.0	1736300.0	2.184605	Y
7	IC 200-209766/14	19.99612	42.565638	10.0	1736410.0	2.128695	Y
8	IC 200-209766/16	39.99224	73.254364	10.0	1795927.0	1.831714	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

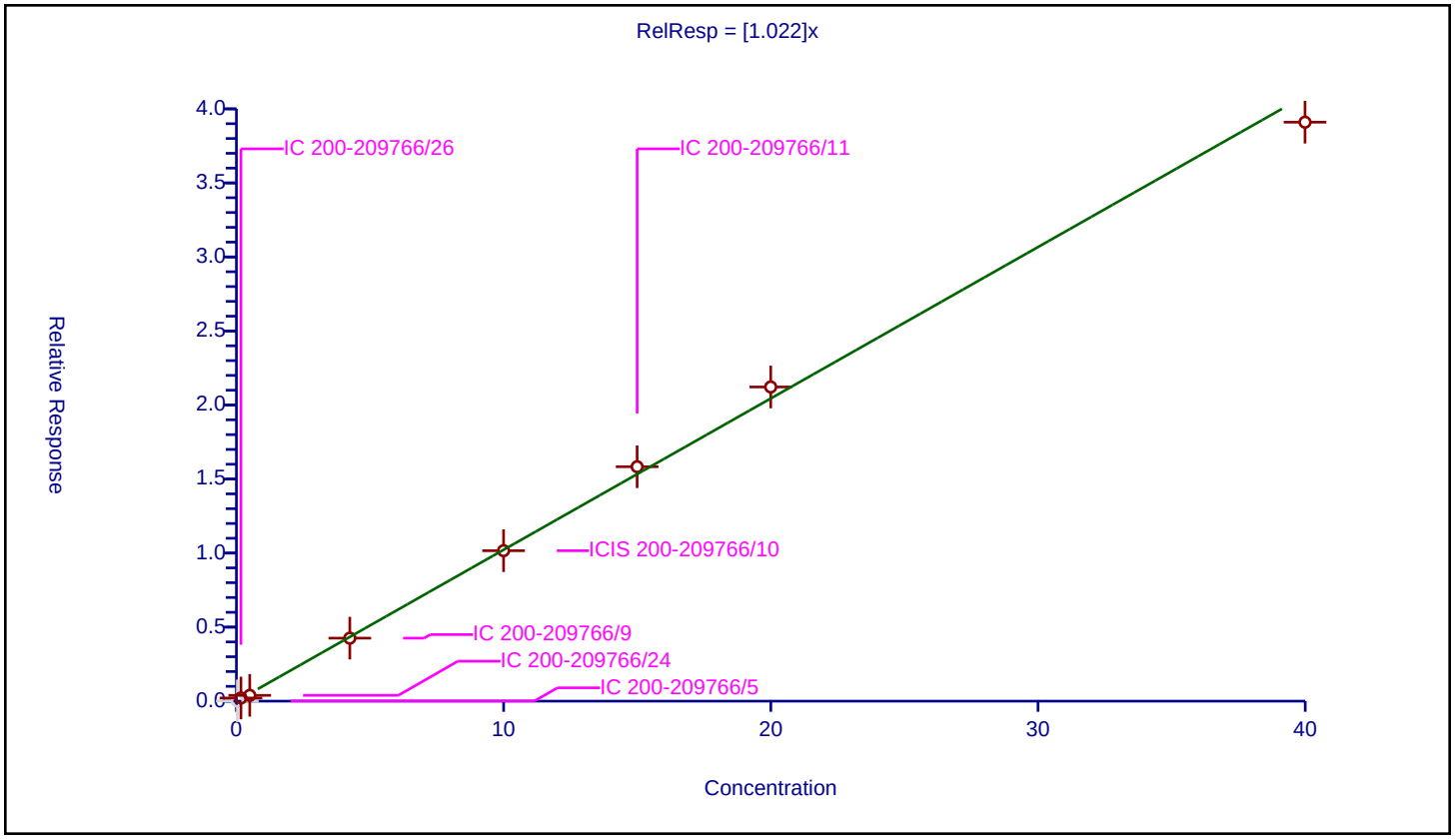
Curve Coefficients

Intercept:	0
Slope:	1.022

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.012986	10.0	1776542.0	0.370212	N
2	IC 200-209766/26	0.170154	0.213945	10.0	1630185.0	1.257362	Y
3	IC 200-209766/24	0.499256	0.391984	10.0	1626496.0	0.785135	Y
4	IC 200-209766/9	4.243678	4.255428	10.0	1708277.0	1.002769	Y
5	ICIS 200-209766/10	9.99806	10.160818	10.0	1736804.0	1.016279	Y
6	IC 200-209766/11	14.99709	15.832667	10.0	1736300.0	1.055716	Y
7	IC 200-209766/14	19.99612	21.218474	10.0	1736410.0	1.06113	Y
8	IC 200-209766/16	39.99224	39.099958	10.0	1795927.0	0.977689	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

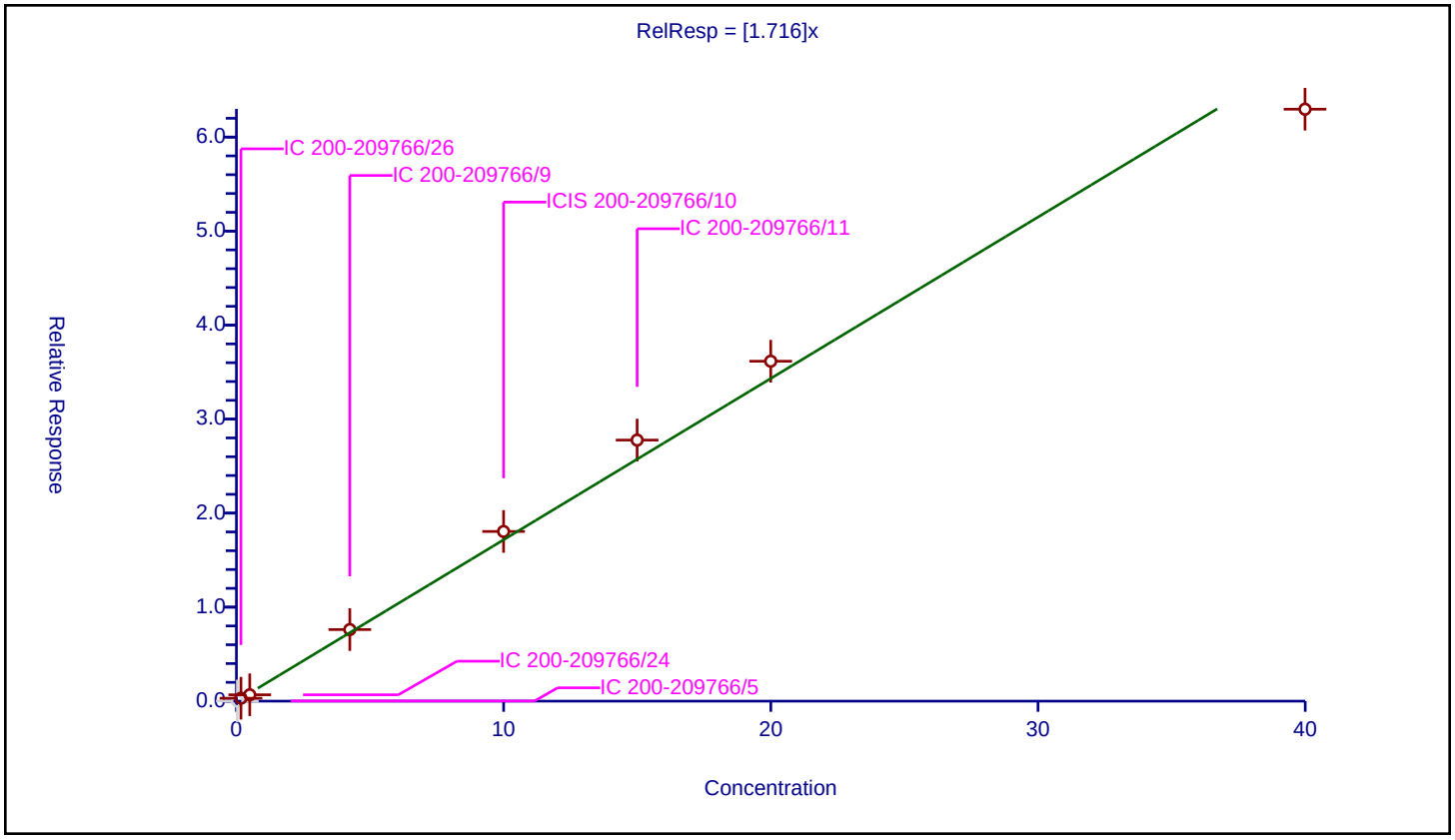
Curve Coefficients

Intercept:	0
Slope:	1.716

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.014297	10.0	1776542.0	0.407602	N
2	IC 200-209766/26	0.170154	0.311038	10.0	1630185.0	1.827983	Y
3	IC 200-209766/24	0.499256	0.67544	10.0	1626496.0	1.352892	Y
4	IC 200-209766/9	4.243678	7.613016	10.0	1708277.0	1.793966	Y
5	ICIS 200-209766/10	9.99806	18.047805	10.0	1736804.0	1.805131	Y
6	IC 200-209766/11	14.99709	27.770552	10.0	1736300.0	1.851729	Y
7	IC 200-209766/14	19.99612	36.157146	10.0	1736410.0	1.808208	Y
8	IC 200-209766/16	39.99224	62.964887	10.0	1795927.0	1.574428	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

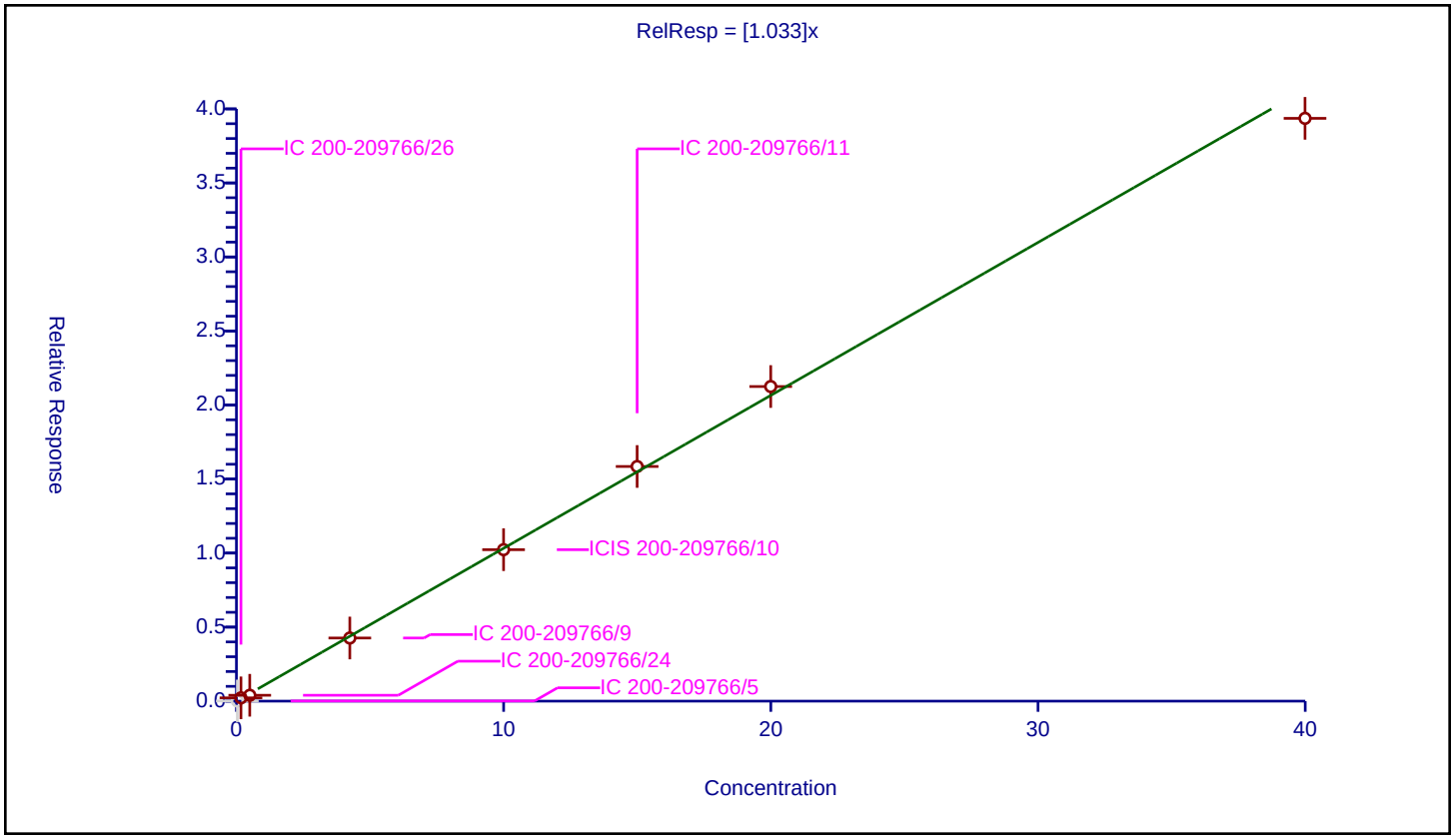
Curve Coefficients

Intercept:	0
Slope:	1.033

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.011337	10.0	1776542.0	0.323193	N
2	IC 200-209766/26	0.170154	0.221828	10.0	1630185.0	1.303688	Y
3	IC 200-209766/24	0.499256	0.395882	10.0	1626496.0	0.792943	Y
4	IC 200-209766/9	4.243678	4.263776	10.0	1708277.0	1.004736	Y
5	ICIS 200-209766/10	9.99806	10.229583	10.0	1736804.0	1.023157	Y
6	IC 200-209766/11	14.99709	15.849018	10.0	1736300.0	1.056806	Y
7	IC 200-209766/14	19.99612	21.249682	10.0	1736410.0	1.06269	Y
8	IC 200-209766/16	39.99224	39.361656	10.0	1795927.0	0.984232	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

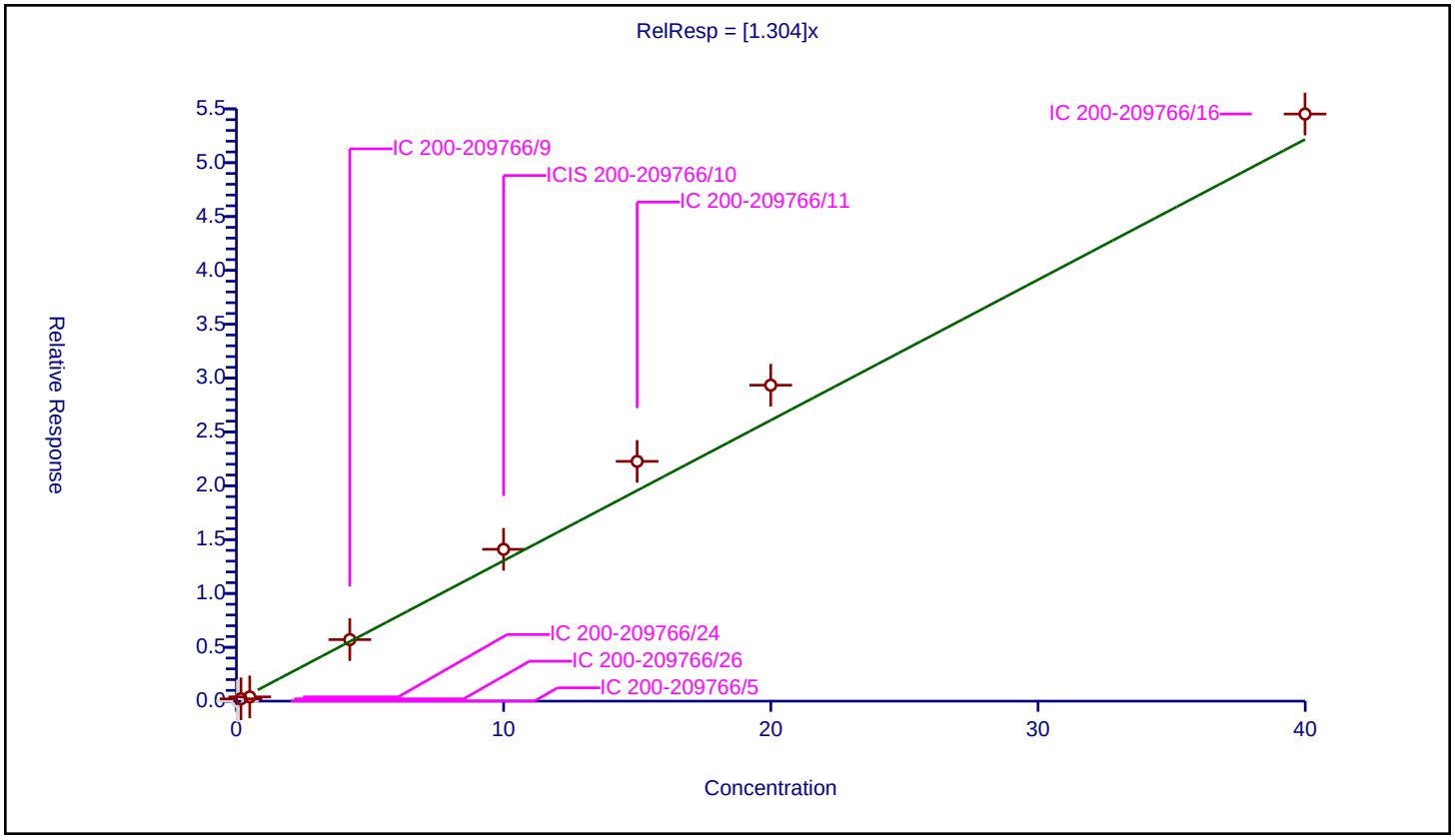
Curve Coefficients

Intercept:	0
Slope:	1.304

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.01356	10.0	1776542.0	0.38658	N
2	IC 200-209766/26	0.170154	0.215252	10.0	1630185.0	1.265041	Y
3	IC 200-209766/24	0.499256	0.396195	10.0	1626496.0	0.793571	Y
4	IC 200-209766/9	4.243678	5.71371	10.0	1708277.0	1.346405	Y
5	ICIS 200-209766/10	9.99806	14.099754	10.0	1736804.0	1.410249	Y
6	IC 200-209766/11	14.99709	22.268053	10.0	1736300.0	1.484825	Y
7	IC 200-209766/14	19.99612	29.342362	10.0	1736410.0	1.467403	Y
8	IC 200-209766/16	39.99224	54.522751	10.0	1795927.0	1.363333	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

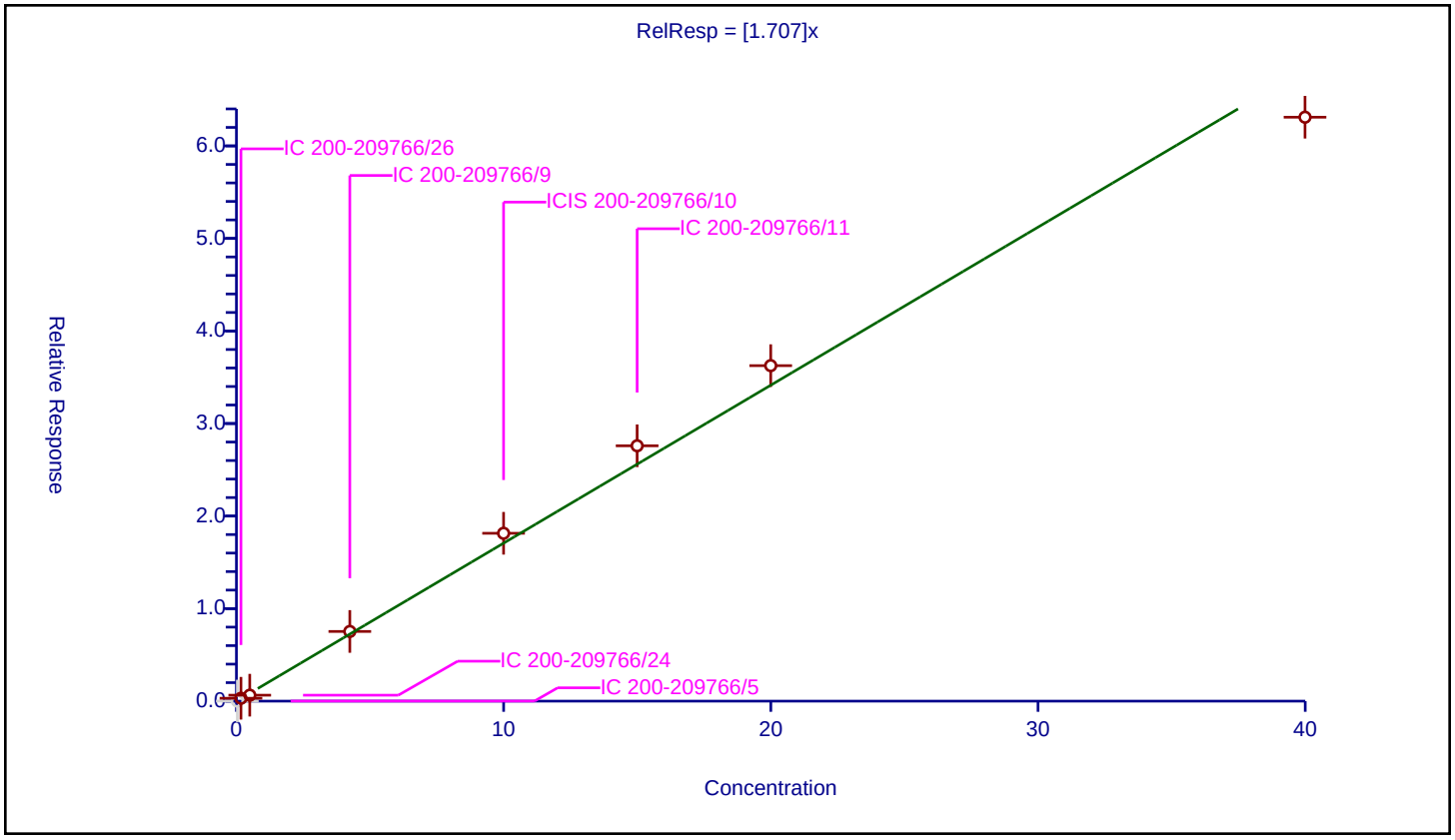
Curve Coefficients

Intercept:	0
Slope:	1.707

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.008984	10.0	1776542.0	0.256115	N
2	IC 200-209766/26	0.170154	0.313541	10.0	1630185.0	1.842691	Y
3	IC 200-209766/24	0.499256	0.643414	10.0	1626496.0	1.288745	Y
4	IC 200-209766/9	4.243678	7.531642	10.0	1708277.0	1.774791	Y
5	ICIS 200-209766/10	9.99806	18.138811	10.0	1736804.0	1.814233	Y
6	IC 200-209766/11	14.99709	27.593935	10.0	1736300.0	1.839953	Y
7	IC 200-209766/14	19.99612	36.254675	10.0	1736410.0	1.813086	Y
8	IC 200-209766/16	39.99224	63.100633	10.0	1795927.0	1.577822	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

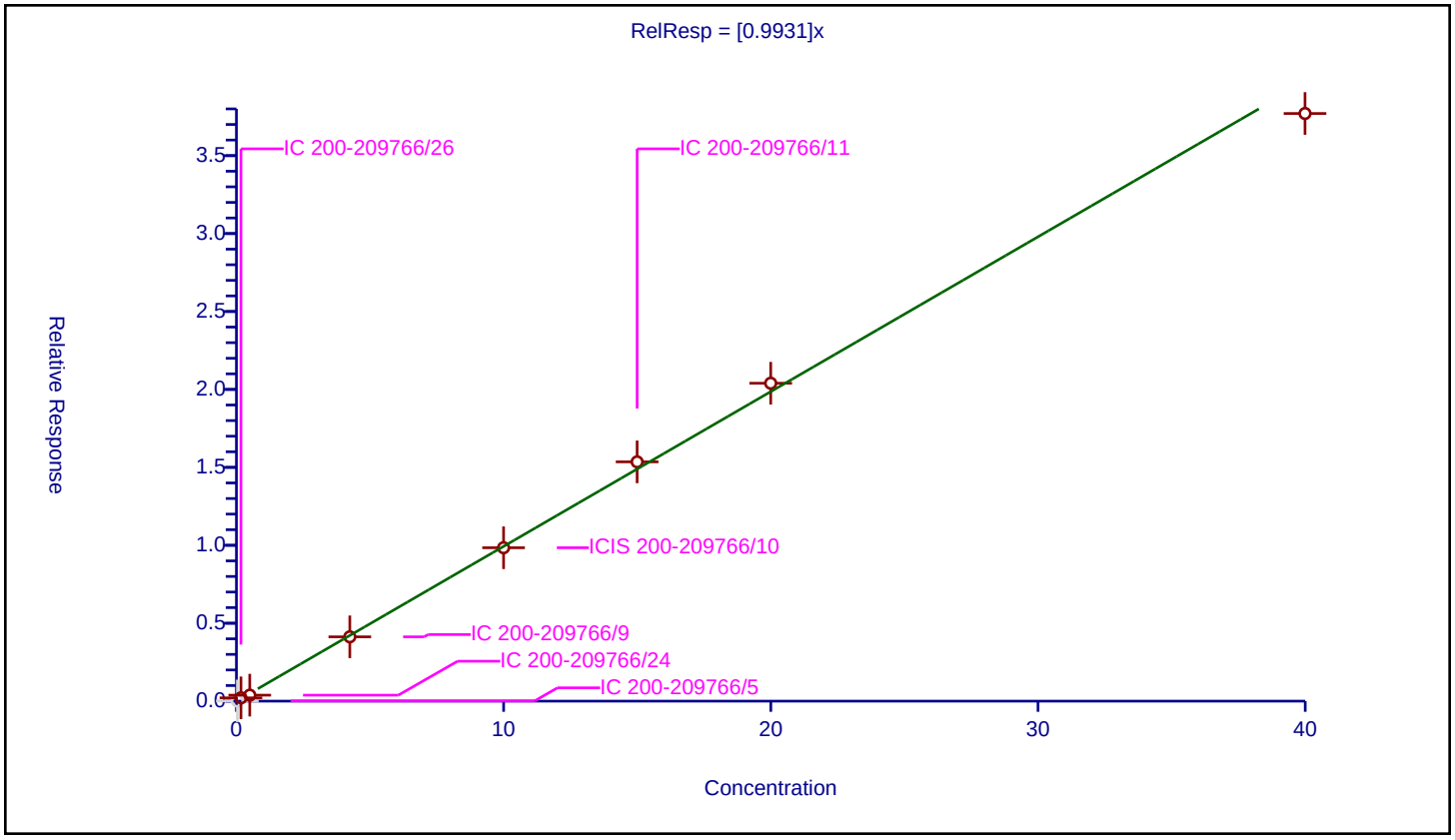
Curve Coefficients

Intercept:	0
Slope:	0.9931

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.010689	10.0	1776542.0	0.304739	N
2	IC 200-209766/26	0.170154	0.210927	10.0	1630185.0	1.239625	Y
3	IC 200-209766/24	0.499256	0.38388	10.0	1626496.0	0.768905	Y
4	IC 200-209766/9	4.243678	4.1259	10.0	1708277.0	0.972246	Y
5	ICIS 200-209766/10	9.99806	9.841583	10.0	1736804.0	0.984349	Y
6	IC 200-209766/11	14.99709	15.352992	10.0	1736300.0	1.023731	Y
7	IC 200-209766/14	19.99612	20.398017	10.0	1736410.0	1.020099	Y
8	IC 200-209766/16	39.99224	37.703737	10.0	1795927.0	0.942776	Y



Calibration / Undecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

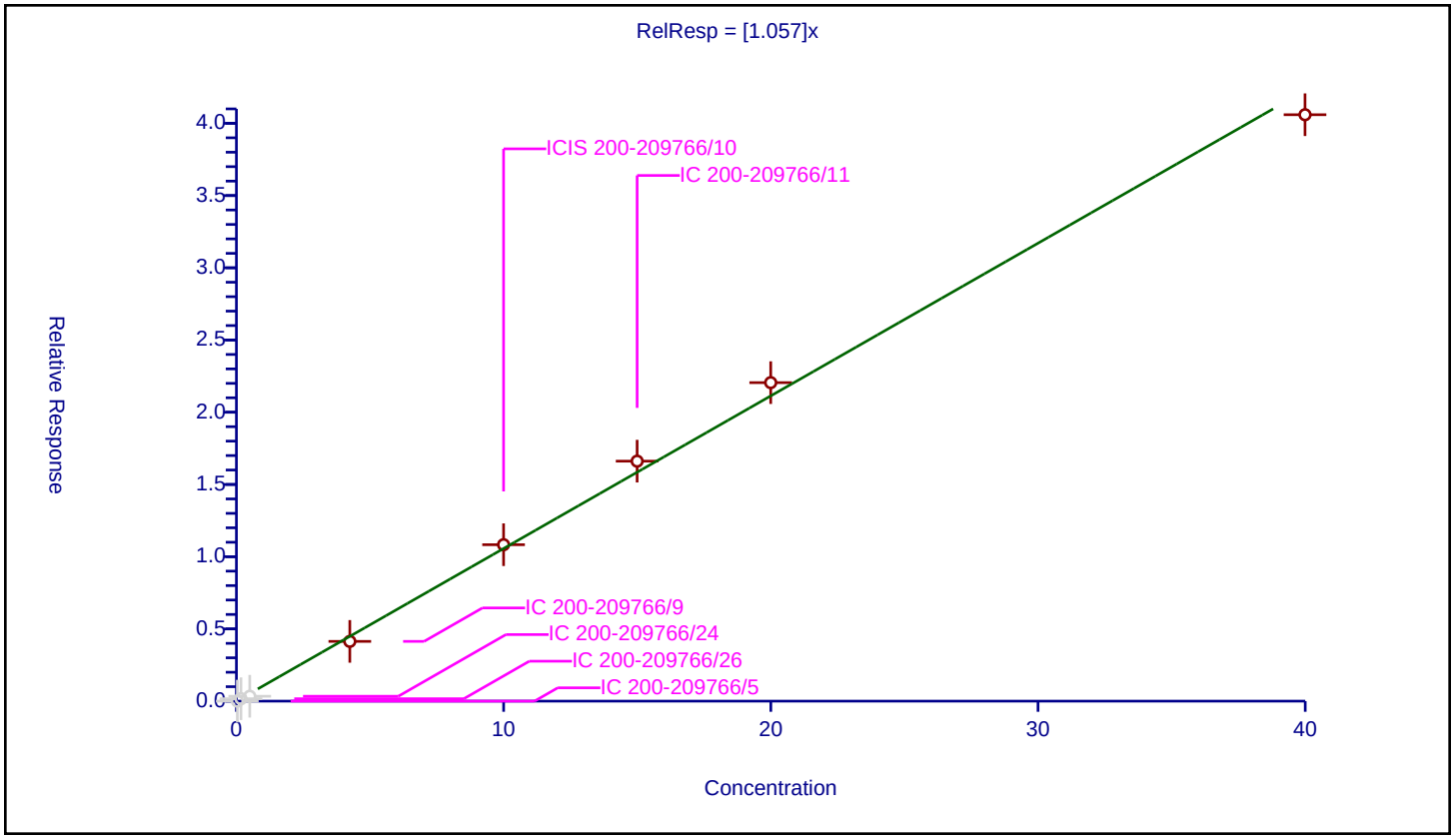
Curve Coefficients

Intercept:	0
Slope:	1.057

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.001717	10.0	1776542.0	0.048944	N
2	IC 200-209766/26	0.170154	0.167478	10.0	1630185.0	0.984273	N
3	IC 200-209766/24	0.499256	0.338525	10.0	1626496.0	0.678059	N
4	IC 200-209766/9	4.243678	4.137251	10.0	1708277.0	0.974921	Y
5	ICIS 200-209766/10	9.99806	10.828781	10.0	1736804.0	1.083088	Y
6	IC 200-209766/11	14.99709	16.613702	10.0	1736300.0	1.107795	Y
7	IC 200-209766/14	19.99612	22.049453	10.0	1736410.0	1.102687	Y
8	IC 200-209766/16	39.99224	40.595442	10.0	1795927.0	1.015083	Y



Calibration / Dodecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

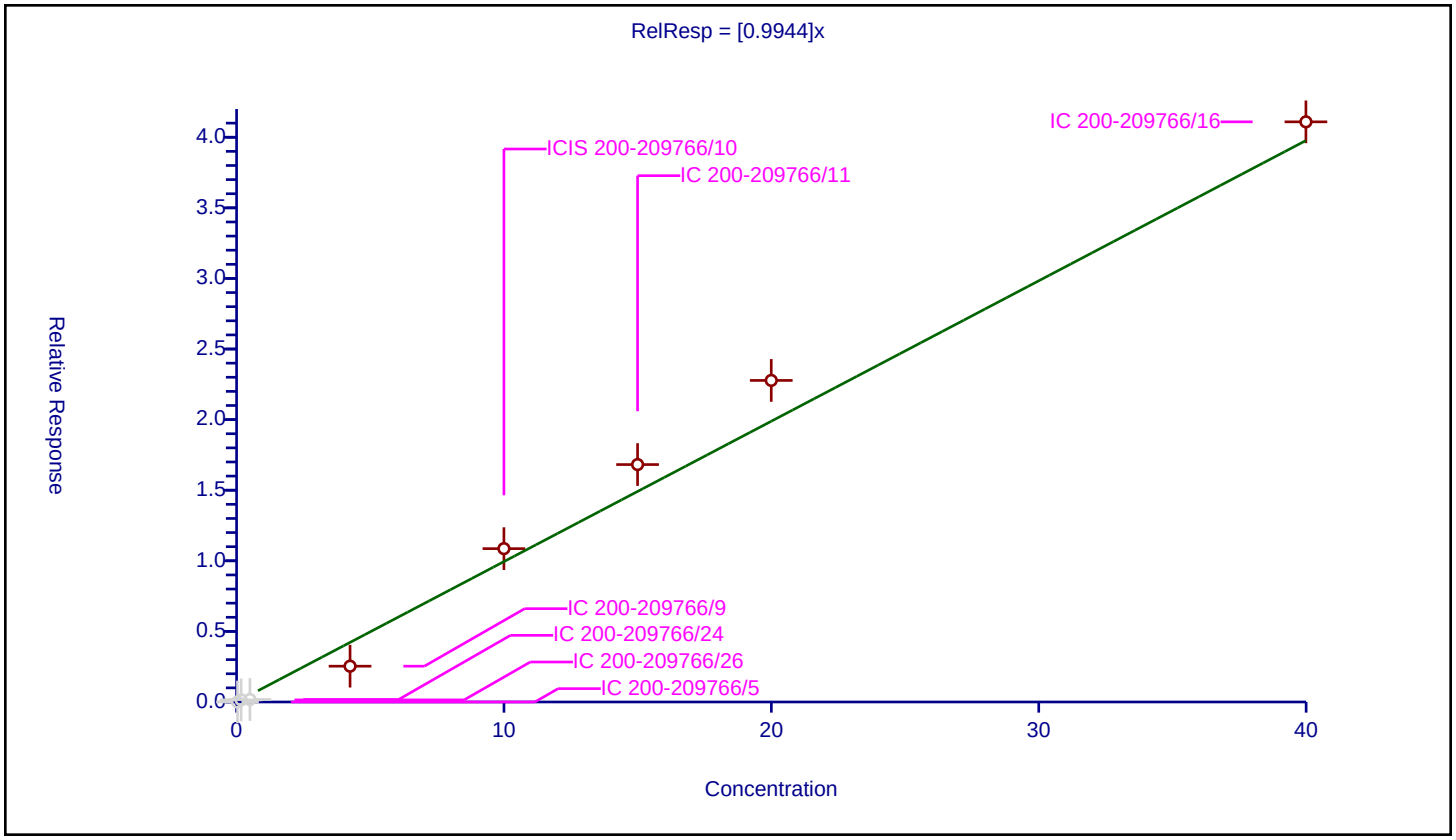
Curve Coefficients

Intercept:	0
Slope:	0.9944

Error Coefficients

Relative Standard Deviation:	22.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.035077	0.001492	10.0	1776542.0	0.042525	N
2	IC 200-209766/26	0.170154	0.147388	10.0	1630185.0	0.866205	N
3	IC 200-209766/24	0.499256	0.174971	10.0	1626496.0	0.350464	N
4	IC 200-209766/9	4.243678	2.536146	10.0	1708277.0	0.597629	Y
5	ICIS 200-209766/10	9.99806	10.862089	10.0	1736804.0	1.08642	Y
6	IC 200-209766/11	14.99709	16.81703	10.0	1736300.0	1.121353	Y
7	IC 200-209766/14	19.99612	22.775335	10.0	1736410.0	1.138988	Y
8	IC 200-209766/16	39.99224	41.090868	10.0	1795927.0	1.027471	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

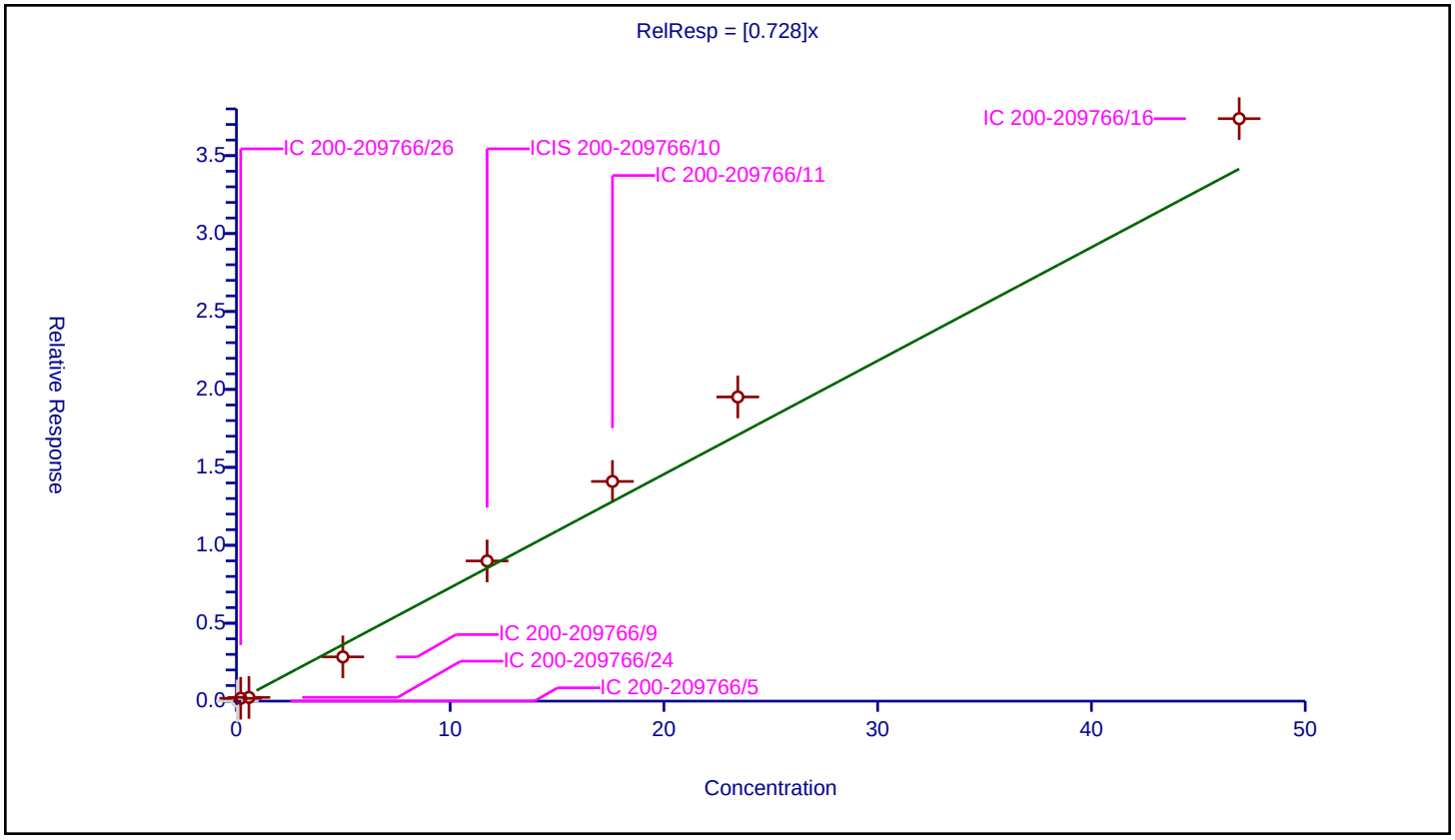
Curve Coefficients

Intercept:	0
Slope:	0.728

Error Coefficients

Relative Standard Deviation:	24.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.041145	0.006715	10.0	1776542.0	0.163209	N
2	IC 200-209766/26	0.199591	0.183421	10.0	1630185.0	0.918986	Y
3	IC 200-209766/24	0.585628	0.239749	10.0	1626496.0	0.409387	Y
4	IC 200-209766/9	4.977835	2.838855	10.0	1708277.0	0.570299	Y
5	ICIS 200-209766/10	11.727724	8.995298	10.0	1736804.0	0.767011	Y
6	IC 200-209766/11	17.591586	14.097449	10.0	1736300.0	0.801374	Y
7	IC 200-209766/14	23.455448	19.515904	10.0	1736410.0	0.832041	Y
8	IC 200-209766/16	46.910897	37.372104	10.0	1795927.0	0.796661	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

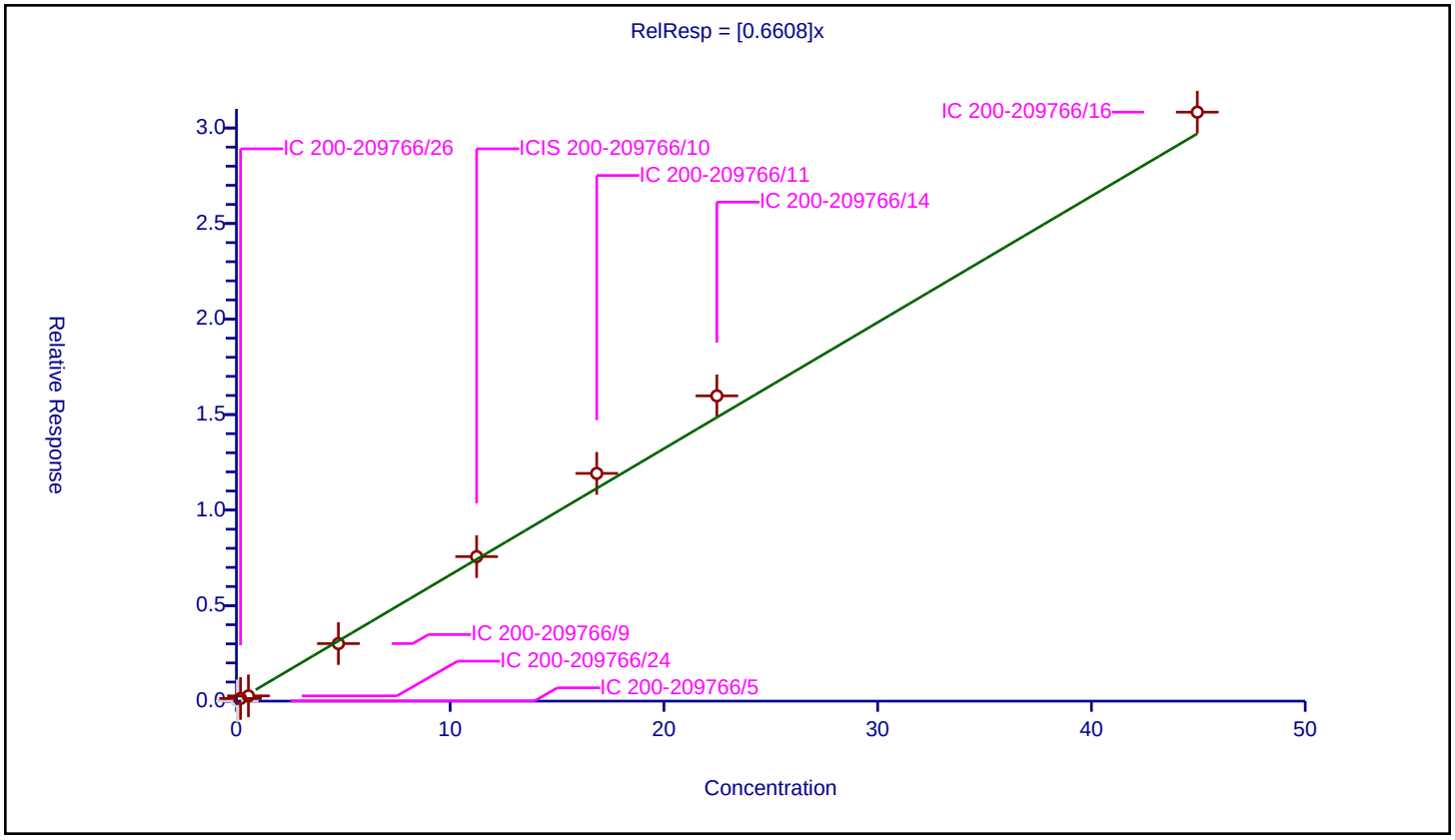
Curve Coefficients

Intercept:	0
Slope:	0.6608

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.039426	0.009057	10.0	1776542.0	0.229717	N
2	IC 200-209766/26	0.191253	0.139052	10.0	1630185.0	0.727056	Y
3	IC 200-209766/24	0.561164	0.275008	10.0	1626496.0	0.490068	Y
4	IC 200-209766/9	4.769895	3.011274	10.0	1708277.0	0.631308	Y
5	ICIS 200-209766/10	11.237819	7.564578	10.0	1736804.0	0.673136	Y
6	IC 200-209766/11	16.856729	11.921206	10.0	1736300.0	0.707208	Y
7	IC 200-209766/14	22.475639	15.980281	10.0	1736410.0	0.711005	Y
8	IC 200-209766/16	44.951277	30.830574	10.0	1795927.0	0.685866	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

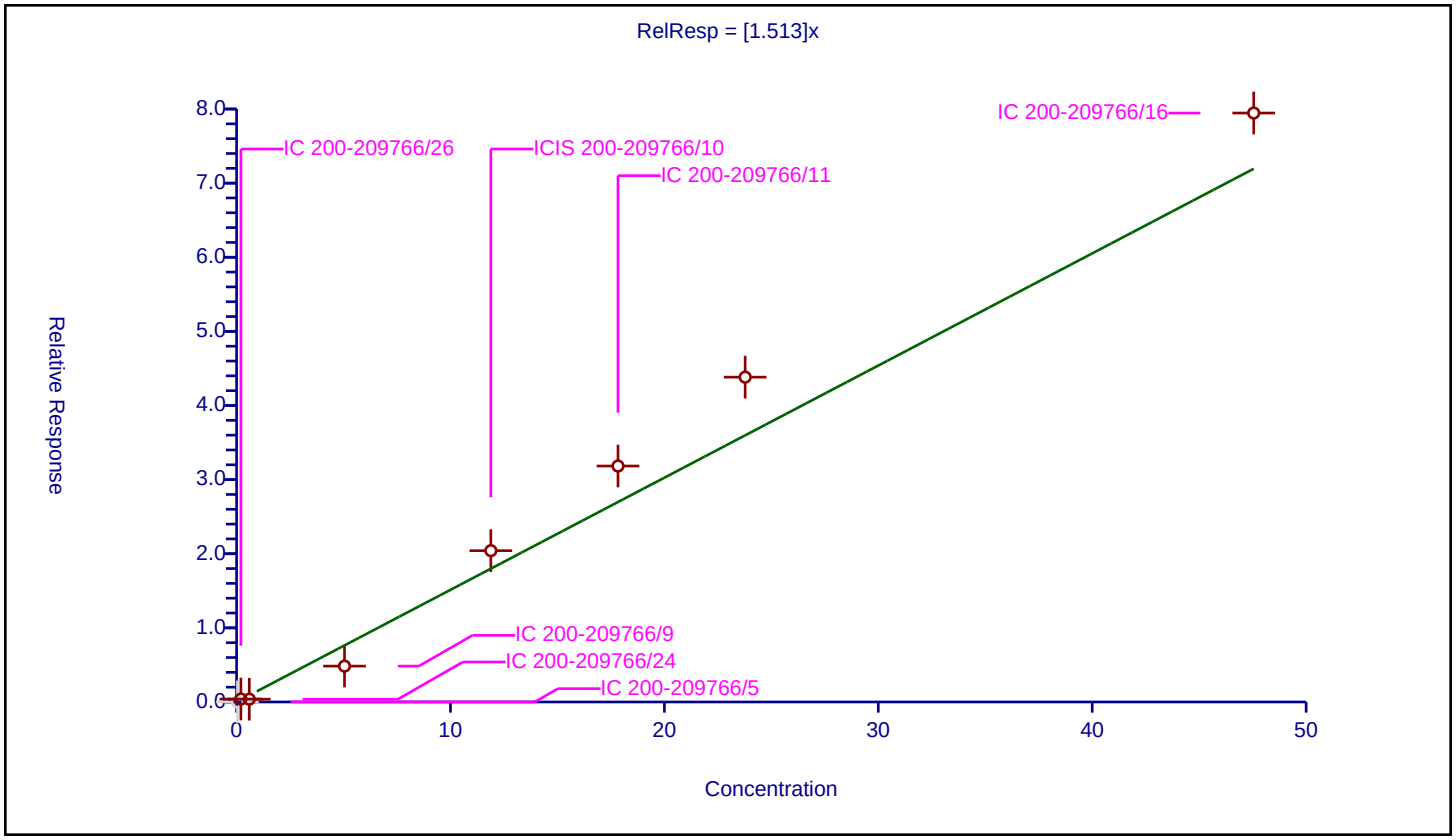
Curve Coefficients

Intercept:	0
Slope:	1.513

Error Coefficients

Relative Standard Deviation:	33.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.041706	0.014157	10.0	1776542.0	0.339437	N
2	IC 200-209766/26	0.202313	0.40074	10.0	1630185.0	1.980791	Y
3	IC 200-209766/24	0.593616	0.376318	10.0	1626496.0	0.633942	Y
4	IC 200-209766/9	5.045734	4.839964	10.0	1708277.0	0.959219	Y
5	ICIS 200-209766/10	11.887693	20.413933	10.0	1736804.0	1.717232	Y
6	IC 200-209766/11	17.83154	31.832684	10.0	1736300.0	1.78519	Y
7	IC 200-209766/14	23.775386	43.825594	10.0	1736410.0	1.843318	Y
8	IC 200-209766/16	47.550773	79.45701	10.0	1795927.0	1.670993	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

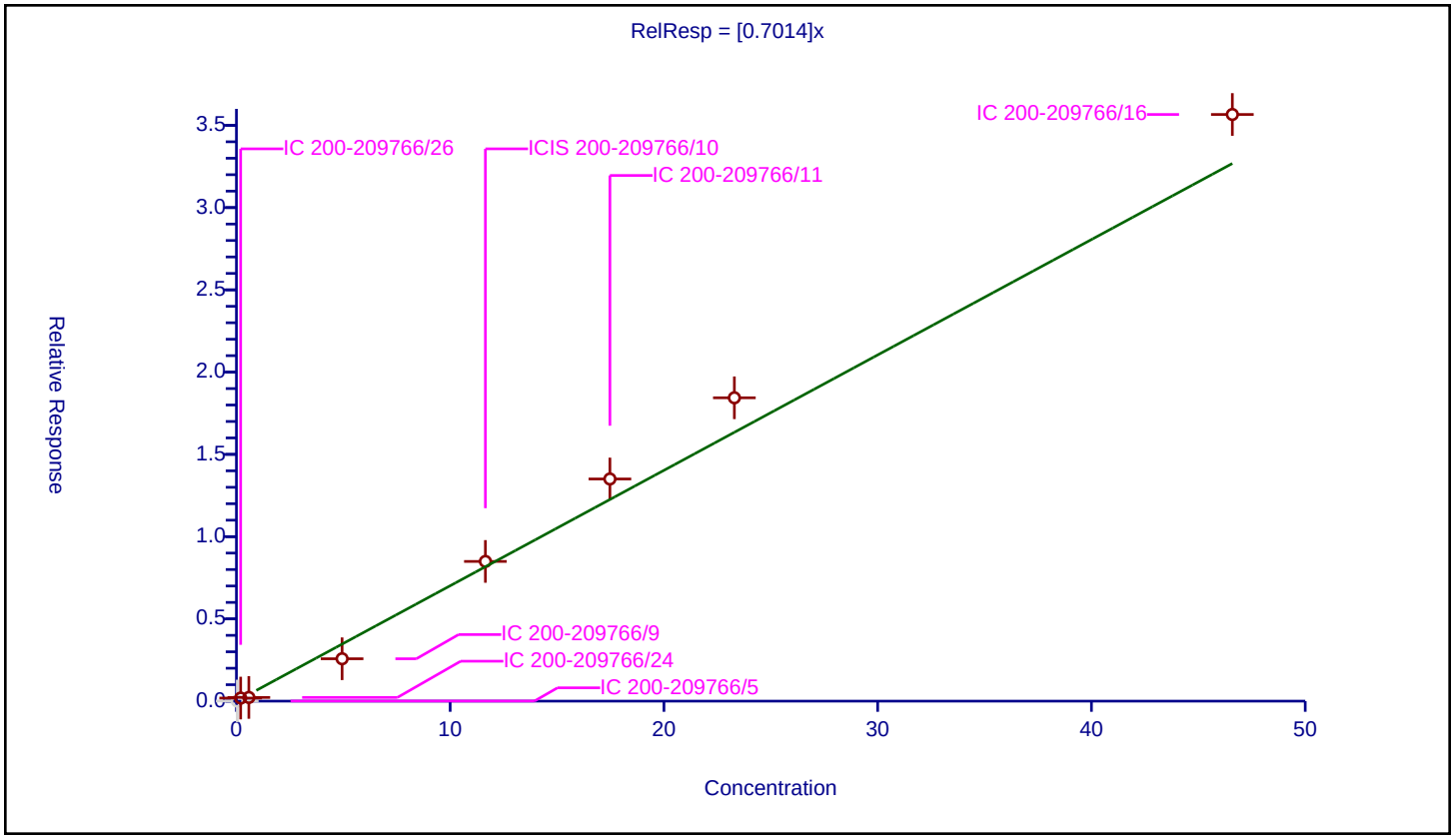
Curve Coefficients

Intercept:	0
Slope:	0.7014

Error Coefficients

Relative Standard Deviation:	26.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-209766/5	0.040865	0.007734	10.0	1776542.0	0.189262	N
2	IC 200-209766/26	0.198229	0.187206	10.0	1630185.0	0.94439	Y
3	IC 200-209766/24	0.581634	0.224261	10.0	1626496.0	0.385571	Y
4	IC 200-209766/9	4.943885	2.576274	10.0	1708277.0	0.521103	Y
5	ICIS 200-209766/10	11.64774	8.492783	10.0	1736804.0	0.729136	Y
6	IC 200-209766/11	17.47161	13.504308	10.0	1736300.0	0.772929	Y
7	IC 200-209766/14	23.29548	18.439084	10.0	1736410.0	0.791531	Y
8	IC 200-209766/16	46.590959	35.659902	10.0	1795927.0	0.765382	Y



FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-210070/4	62629_004.D
Level 2	IC 200-210070/5	62629_005.D
Level 3	IC 200-210070/6	62629_006.D
Level 4	IC 200-210070/20	62629_020a.D
Level 5	ICIS 200-210070/8	62629_008.D
Level 6	IC 200-210070/9	62629_009.D
Level 7	IC 200-210070/12	62629_012.D
Level 8	IC 200-210070/13	62629_013.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								
Propylene	+++++ 1.2631	+++++ 1.2715	+++++ 1.1424	1.3172	1.2240	Ave		1.2437				5.3		30.0			
Dichlorodifluoromethane	+++++ 3.1021	+++++ 3.0966	3.5842 2.7894	3.2587	2.9930	Ave		3.1373				8.5		30.0			
Freon 22	+++++ 2.1756	+++++ 2.1822	2.5040 1.9604	2.2832	2.1125	Ave		2.2030				8.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.1666	3.9433 3.1643	3.5889 2.8383	3.3431	3.0365	Ave		3.2973				11.2		30.0			
Chloromethane	+++++ 1.2756	+++++ 1.2755	1.4810 1.1653	1.3189	1.2142	Ave		1.2884				8.4		30.0			
Vinyl chloride	1.2686 0.9646	1.2938 0.9526	1.1091 0.8861	1.0263	0.9121	Ave		1.0516				15.0		30.0			
n-Butane	+++++ 1.7051	+++++ 1.6823	2.0116 1.5417	1.8188	1.6155	Ave		1.7292				9.6		30.0			
1,3-Butadiene	1.2082 0.7705	1.0992 0.7653	0.9115 0.7139	0.8013	0.7248	Ave		0.8743				21.2		30.0			
Bromomethane	+++++ 1.0022	1.2133 0.9829	1.0958 0.9338	1.0370	0.9399	Ave		1.0293				9.6		30.0			
Chloroethane	+++++ 0.6629	+++++ 0.6517	0.7486 0.6143	0.6842	0.6236	Ave		0.6642				7.3		30.0			
Isopentane	+++++ 1.6113	2.0884 1.5861	1.8387 1.4653	1.6956	1.5422	Ave		1.6897				12.6		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9072	1.1004 0.8913	0.9876 0.8455	0.9277	0.8539	Ave		0.9305				9.5		30.0			
Trichlorofluoromethane	+++++ 2.6463	3.3036 2.6151	3.0243 2.4100	2.7314	2.5025	Ave		2.7476				11.4		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

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-Pentane	+++++ 2.3351	+++++ 2.2908	2.7668 2.0939	2.4615	2.2353	Ave		2.3639				9.8		30.0			
Ethanol	+++++ 1.0547	+++++ 0.5625	0.6447 0.5236	0.6506	0.5638	Ave		0.6666				29.5		30.0			
Ethyl ether	+++++ 0.8404	1.0355 0.8268	0.9366 0.7753	0.8714	0.7900	Ave		0.8680				10.5		30.0			
Acrolein	+++++ 0.4303	+++++ 0.4329	+++++ 0.4114	0.4431	0.4087	Ave		0.4253				3.5		30.0			
1,1-Dichloroethene	1.0281 0.9544	1.2637 0.9431	1.0362 0.8830	0.9794	0.9063	Ave		0.9993				12.0		30.0			
Freon TF	+++++ 2.0157	2.5546 1.9783	2.2768 1.8229	2.0918	1.9128	Ave		2.0933				11.9		30.0			
Acetone	+++++ 1.9070	+++++ 1.8756	+++++ 1.7160	2.0145	1.8384	Ave		1.8703				5.8		30.0			
Isopropyl alcohol	+++++ 1.9631	+++++ 1.9090	+++++ 1.7690	2.0307	1.8693	Ave		1.9082				5.2		30.0			
Carbon disulfide	+++++ 2.9308	+++++ 2.8654	3.3537 2.6227	3.0493	2.7653	Ave		2.9312				8.6		30.0			
Acetonitrile	+++++ 0.9558	+++++ 0.9368	1.1015 0.8843	0.9850	0.8985	Ave		0.9603				8.2		30.0			
3-Chloropropene	+++++ 1.5863	2.0499 1.5572	1.8046 1.4407	1.6472	1.5077	Ave		1.6562				12.6		30.0			
Methylene Chloride	+++++ 1.3141	+++++ 1.2906	1.6415 1.2045	1.3639	1.2545	Ave		1.3448				11.5		30.0			
tert-Butyl alcohol	+++++ 2.3784	+++++ 2.3332	+++++ 2.1689	2.4316	2.2577	Ave		2.3140				4.5		30.0			
Acrylonitrile	+++++ 0.8012	+++++ 0.7897	0.8709 0.7464	0.8076	0.7536	Ave		0.7949				5.6		30.0			
trans-1,2-Dichloroethene	1.8448 1.5398	1.9661 1.5083	1.7702 1.3777	1.5997	1.4670	Ave		1.6342				12.5		30.0			
Methyl tert-butyl ether	+++++ 2.9481	3.8784 2.8917	3.3495 2.6377	3.0475	2.8110	Ave		3.0805				13.5		30.0			
n-Hexane	+++++ 1.6618	2.1057 1.6129	1.9426 1.4995	1.7069	1.5731	Ave		1.7290				12.6		30.0			
1,1-Dichloroethane	1.9979 1.9206	2.4354 1.8714	2.2125 1.7128	1.9842	1.8380	Ave		1.9966				11.5		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

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								
Vinyl acetate	+++++ 2.6586	+++++ 2.6284	+++++ 2.4386	2.5762	2.4889	Ave		2.5581				3.6		30.0			
Methyl Ethyl Ketone	+++++ 0.5226	+++++ 0.5168	0.5524 0.4838	0.5237	0.4957	Ave		0.5158				4.6		30.0			
cis-1,2-Dichloroethene	1.2148 1.0042	1.2936 0.9856	1.1072 0.9247	1.0285	0.9577	Ave		1.0645				12.2		30.0			
Ethyl acetate	+++++ 0.0881	+++++ 0.0859	+++++ 0.0819	0.0868	0.0825	Ave		0.0850				3.2		30.0			
Tetrahydrofuran	+++++ 0.2710	+++++ 0.2654	+++++ 0.2514	0.2738	0.2584	Ave		0.2640				3.5		30.0			
Chloroform	+++++ 2.1737	2.7103 2.1432	2.4768 1.9778	2.2118	2.0664	Ave		2.2514				11.3		30.0			
1,1,1-Trichloroethane	+++++ 0.4351	0.5573 0.4335	0.5012 0.4037	0.4431	0.4206	Ave		0.4564				11.8		30.0			
Cyclohexane	+++++ 0.2571	0.3237 0.2535	0.2891 0.2399	0.2622	0.2458	Ave		0.2673				11.0		30.0			
Carbon tetrachloride	0.4213 0.4271	0.5169 0.4275	0.4734 0.3970	0.4351	0.4095	Ave		0.4385				8.8		30.0			
Benzene	+++++ 0.6110	0.8304 0.5983	0.7238 0.5563	0.6283	0.5868	Ave		0.6479				14.8		30.0			
1,2-Dichloroethane	+++++ 0.3170	0.4045 0.3145	0.3516 0.2929	0.3203	0.3042	Ave		0.3293				11.5		30.0			
2,2,4-Trimethylpentane	+++++ 1.0535	1.3340 1.0248	1.2344 0.9287	1.0921	1.0178	Ave		1.0979				12.7		30.0			
n-Heptane	+++++ 0.4310	0.5671 0.4202	0.5062 0.3890	0.4449	0.4165	Ave		0.4535				13.6		30.0			
n-Butanol	+++++ 0.1704	+++++ 0.1659	+++++ 0.1618	0.1649	0.1602	Ave		0.1646				2.4		30.0			
Trichloroethene	0.2497 0.2716	0.3326 0.2677	0.3055 0.2509	0.2745	0.2588	Ave		0.2764				10.4		30.0			
1,2-Dichloropropane	+++++ 0.2432	0.3153 0.2372	0.2824 0.2182	0.2506	0.2344	Ave		0.2545				13.1		30.0			
Methyl methacrylate	+++++ 0.2350	+++++ 0.2332	0.2454 0.2209	0.2328	0.2251	Ave		0.2321				3.7		30.0			
1,4-Dioxane	+++++ 0.1266	0.1715 0.1234	0.1486 0.1154	0.1329	0.1236	Ave		0.1346				14.4		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

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								
Dibromomethane	+++++ 0.1977	0.2745 0.1966	0.2292 0.1844	0.2018	0.1898	Ave		0.2106				15.0		30.0			
Bromodichloromethane	+++++ 0.4755	0.5457 0.4721	0.5210 0.4395	0.4797	0.4549	Ave		0.4841				7.7		30.0			
cis-1,3-Dichloropropene	+++++ 0.4220	0.4951 0.4172	0.4585 0.3923	0.4230	0.4047	Ave		0.4304				8.2		30.0			
Methyl isobutyl ketone	+++++ 0.5735	+++++ 0.5633	0.6258 0.5227	0.5800	0.5565	Ave		0.5703				5.9		30.0			
Toluene	+++++ 0.4751	0.6140 0.4651	0.5409 0.4302	0.4971	0.4532	Ave		0.4965				12.6		30.0			
n-Octane	+++++ 0.5969	0.7712 0.5782	0.7061 0.5249	0.6172	0.5821	Ave		0.6252				13.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.3486	0.4167 0.3459	0.3810 0.3254	0.3505	0.3347	Ave		0.3575				8.8		30.0			
1,1,2-Trichloroethane	+++++ 0.2514	0.3064 0.2476	0.2782 0.2328	0.2578	0.2389	Ave		0.2590				9.8		30.0			
Tetrachloroethene	0.3197 0.3288	0.4095 0.3258	0.3667 0.3022	0.3389	0.3128	Ave		0.3381				10.3		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.6213	+++++ 0.6163	0.6670 0.5722	0.6315	0.6016	Ave		0.6183				5.1		30.0			
Dibromochloromethane	+++++ 0.4781	0.4723 0.4780	0.4888 0.4430	0.4810	0.4481	Ave		0.4699				3.7		30.0			
1,2-Dibromoethane	+++++ 0.4313	0.5134 0.4269	0.4771 0.3957	0.4417	0.4092	Ave		0.4422				9.2		30.0			
Chlorobenzene	+++++ 0.6011	0.7708 0.5910	0.6964 0.5465	0.6253	0.5743	Ave		0.6294				12.4		30.0			
Ethylbenzene	+++++ 1.0727	1.3713 1.0454	1.2668 0.9346	1.1286	1.0321	Ave		1.1216				13.4		30.0			
m,p-Xylene	+++++ 0.3796	0.4916 0.3727	0.4496 0.3375	0.4007	0.3670	Ave		0.3998				13.3		30.0			
n-Nonane	+++++ 0.5744	0.7477 0.5575	0.6794 0.5086	0.6014	0.5516	Ave		0.6029				13.7		30.0			
Xylene, o-	+++++ 0.3737	0.4843 0.3658	0.4391 0.3353	0.3865	0.3577	Ave		0.3917				13.3		30.0			
Styrene	+++++ 0.6235	0.7833 0.6073	0.7143 0.5579	0.6448	0.5963	Ave		0.6468				11.9		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

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								
Bromoform	+++++ 0.4092	0.3274 0.4164	0.3977 0.3822	0.4084	0.3693	Ave		0.3872				8.0		30.0			
Cumene	+++++ 1.1411	1.4715 1.1152	1.3566 0.9666	1.2066	1.1057	Ave		1.1948				14.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6521	0.8433 0.6400	0.7723 0.5761	0.6625	0.6227	Ave		0.6813				13.7		30.0			
1,2,3-Trichloropropane	+++++ 0.5407	+++++ 0.5331	0.6511 0.4836	0.5528	0.5176	Ave		0.5465				10.3		30.0			
n-Propylbenzene	+++++ 1.4274	1.9031 1.3811	1.7421 1.1501	1.5262	1.3920	Ave		1.5031				16.6		30.0			
2-Chlorotoluene	+++++ 0.9097	1.2302 0.8880	1.1023 0.7926	0.9551	0.8788	Ave		0.9653				15.6		30.0			
4-Ethyltoluene	+++++ 1.1146	1.4588 1.0841	1.3726 0.9262	1.1834	1.0806	Ave		1.1743				15.6		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9510	1.2551 0.9298	1.1821 0.8074	1.0079	0.9217	Ave		1.0079				15.6		30.0			
n-Decane	+++++ 0.7312	+++++ 0.7111	0.9074 0.6167	0.7767	0.7134	Ave		0.7428				12.9		30.0			
Alpha Methyl Styrene	+++++ 0.4905	0.5933 0.4834	0.5534 0.4366	0.4976	0.4721	Ave		0.5038				10.4		30.0			
tert-Butylbenzene	+++++ 0.8763	1.1589 0.8551	1.0626 0.7454	0.9309	0.8514	Ave		0.9258				15.2		30.0			
1,2,4-Trimethylbenzene	+++++ 0.9577	1.3280 0.9383	1.2341 0.8136	1.0196	0.9380	Ave		1.0328				17.7		30.0			
sec-Butylbenzene	+++++ 1.3555	1.8585 1.3125	1.7111 1.0804	1.4707	1.3382	Ave		1.4467				18.1		30.0			
1,3-Dichlorobenzene	+++++ 0.5980	0.7956 0.5895	0.7427 0.5210	0.6274	0.5786	Ave		0.6361				15.3		30.0			
4-Isopropyltoluene	+++++ 1.1258	1.5378 1.1026	1.4238 0.9153	1.2103	1.1085	Ave		1.2034				17.6		30.0			
1,4-Dichlorobenzene	+++++ 0.5960	0.7986 0.5889	0.7467 0.5224	0.6263	0.5786	Ave		0.6368				15.5		30.0			
Benzyl chloride	+++++ 1.0169	1.3978 1.0021	1.3277 0.8703	1.0553	0.9808	Ave		1.0930				17.7		30.0			
n-Butylbenzene	+++++ 1.1995	1.6843 1.1655	1.5777 0.9595	1.3069	1.1832	Ave		1.2967				19.5		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

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-Dichlorobenzene	+++++ 0.5688	0.7849 0.5597	0.7404 0.4957	0.6029	0.5493	Ave		0.6145				17.4		30.0			
n-Undecane	+++++ 0.8395	+++++ 0.8293	+++++ 0.6987	0.9143	0.8370	Ave		0.8238				9.5		30.0			
n-Dodecane	+++++ 0.8350	+++++ 0.8822	+++++ 0.7026	0.9663	0.8549	Ave		0.8482				11.3		30.0			
1,2,4-Trichlorobenzene	+++++ 0.4284	+++++ 0.4422	0.6787 0.3960	0.4537	0.4229	Ave		0.4703				22.1		30.0			
Hexachlorobutadiene	+++++ 0.3439	0.4891 0.3478	0.5117 0.2990	0.3653	0.3381	Ave		0.3850				21.2		30.0			
Naphthalene	+++++ 1.0697	1.5458 1.0991	2.0277 0.9400	1.1758	1.0888	Ave		1.2781				29.8		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4109	+++++ 0.4251	0.8098 0.3742	0.4363	0.4079	Ave		0.4773				34.4	*	30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75561-1 | Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 | Calibration End Date: 10/26/2024 09:20 | Calibration ID: 53786

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-210070/4	62629_004.D
Level 2	IC 200-210070/5	62629_005.D
Level 3	IC 200-210070/6	62629_006.D
Level 4	IC 200-210070/20	62629_020a.D
Level 5	ICIS 200-210070/8	62629_008.D
Level 6	IC 200-210070/9	62629_009.D
Level 7	IC 200-210070/12	62629_012.D
Level 8	IC 200-210070/13	62629_013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Propylene	BCM	Ave	+++++ 1257564	+++++ 1659734	+++++ 3106223	388013	872830	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 3088400	+++++ 4041968	97858 7584401	959945	2134264	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Freon 22	BCM	Ave	+++++ 2166008	+++++ 2848476	68365 5330307	672577	1506368	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 3152624	43164 4130408	97986 7717357	984794	2165252	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloromethane	BCM	Ave	+++++ 1269936	+++++ 1664974	40436 3168447	388526	865830	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	3065 960376	14162 1243418	30280 2409277	302321	650373	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butane	BCM	Ave	+++++ 1697616	+++++ 2195974	54922 4192031	535777	1151990	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	2919 767105	12032 998937	24886 1941001	236044	516827	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromomethane	BCM	Ave	+++++ 997809	13281 1283041	29919 2539116	305471	670242	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloroethane	BCM	Ave	+++++ 659950	+++++ 850652	20438 1670350	201543	444707	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Isopentane	BCM	Ave	+++++ 1604205	22860 2070288	50202 3984220	499492	1099717	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 903188	12045 1163397	26964 2298823	273291	608920	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2634657	36162 3413462	82571 6552968	804599	1784487	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Pentane	BCM	Ave	+++++ 2324834	+++++ 2990266	75542 5693278	725103	1593916	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Ethanol	BCM	Ave	+++++ 1403113	+++++ 1468713	176229 3558899	383556	603320	+++++ 20.0	+++++ 40.0	4.26 100.0	8.49	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Ethyl ether	BCM	Ave	+++++ 836715	11335 1079264	25572 2108073	256684	563332	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acrolein	BCM	Ave	+++++ 501652	+++++ 661635	+++++ 1309967	152860	341258	+++++ 17.6	+++++ 23.4	+++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	2484 950178	13833 1231093	28290 2400852	288522	646259	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Freon TF	BCM	Ave	+++++ 2006847	27963 2582248	62163 4956468	616194	1363984	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acetone	BCM	Ave	+++++ 1898587	+++++ 2448250	+++++ 4665926	593426	1310890	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	+++++ 2265197	+++++ 2887981	+++++ 5574623	693323	1544896	+++++ 17.4	+++++ 23.2	+++++ 46.4	4.92	11.6
Carbon disulfide	BCM	Ave	+++++ 2917848	+++++ 3740172	91566 7131100	898241	1971848	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Acetonitrile	BCM	Ave	+++++ 951585	+++++ 1222776	30073 2404351	290146	640718	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	+++++ 1579300	22439 2032664	49269 3917338	485225	1075120	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	+++++ 1308302	+++++ 1684674	44816 3275092	401763	894581	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 2367870	+++++ 3045579	+++++ 5897382	716285	1609900	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	+++++ 797655	+++++ 1030804	23778 2029381	237895	537358	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	4457 1532980	21521 1968780	48330 3745979	471226	1046107	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2935060	42454 3774507	91449 7171970	897713	2004439	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Hexane	BCM	Ave	+++++ 1654491	23050 2105385	53039 4077144	502815	1121769	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	4827 1912109	26658 2442737	60408 4657043	584510	1310648	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	+++++ 3014743	+++++ 3907786	+++++ 7552345	864380	2021439	+++++ 17.1	+++++ 22.8	+++++ 45.6	4.83	11.4
Methyl Ethyl Ketone	BCM	Ave	+++++ 520329	+++++ 674639	15081 1315388	154255	353505	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	2935 999764	14160 1286513	30229 2514202	302965	682936	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	+++++ 87699	+++++ 112142	+++++ 222625	25556	58864	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	403948	915728	+++++	+++++	+++++	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			1354472	1732272	3388977			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++ 2164089	29668 2797485	67624 5377764	651532	1473508	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 2174452	30438 2829674	68592 5442781	653693	1490505	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	+++++ 1285132	17680 1654500	39571 3234084	386789	871060	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	5094 2134800	28231 2790439	64785 5352408	641776	1451137	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzene	DFBZ	Ave	+++++ 3054019	45352 3905105	99056 7500606	926783	2079184	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 1584508	22091 2053045	48120 3948422	472556	1077839	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 5265491	72852 6688873	168938 12521040	1610977	3606258	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	+++++ 2154220	30969 2742722	69276 5244564	656271	1475648	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	+++++ 851683	+++++ 1082752	+++++ 2181287	243305	567723	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	3019 1357685	18163 1747062	41809 3382963	404928	917001	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 1215522	17220 1547992	38652 2942134	369722	830420	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 1174742	+++++ 1522175	33590 2977838	343362	797505	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 632767	9365 805166	20336 1556039	195985	437992	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	+++++ 988083	14992 1283307	31372 2486395	297608	672486	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 2376670	29804 3081763	71305 5925113	707591	1611697	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 2109038	27037 2723491	62744 5288951	624012	1433879	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl isobutyl ketone	DFBZ	Ave	+++++ 2866483	+++++ 3676582	85649 7047242	855589	1971833	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Toluene	CBNZd5	Ave	+++++ 2105053	29401 2692055	65233 5157094	638709	1431053	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Octane	DFBZ	Ave	+++++ 2983111	42119 3773935	96629 7076785	910517	2062537	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++	22758	52140	517077	1186043	+++++	0.170	0.425	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75561-1 | Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 | Calibration End Date: 10/26/2024 09:20 | Calibration ID: 53786

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			1742067	2257849	4386598			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 1113727	14670 1433038	33556 2791159	331169	754362	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Tetrachloroethene	CBNZd5	Ave	3378 1456958	19607 1885959	44224 3623578	435455	987708	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd5	Ave	+++++ 2752573	+++++ 3567344	80442 6859819	811309	1899535	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Dibromochloromethane	CBNZd5	Ave	+++++ 2118249	22616 2767055	58951 5310561	617973	1415035	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dibromoethane	CBNZd5	Ave	+++++ 1911103	24584 2471176	57538 4743559	567545	1292009	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chlorobenzene	CBNZd5	Ave	+++++ 2663121	36909 3421173	83985 6552515	803346	1813364	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethylbenzene	CBNZd5	Ave	+++++ 4752825	65660 6051132	152775 11205263	1450050	3258755	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
m,p-Xylene	CBNZd5	Ave	+++++ 3363631	47075 4314439	108454 8093319	1029573	2317338	+++++ 30.0	0.341 40.0	0.851 80.0	8.49	20.0
n-Nonane	CBNZd5	Ave	+++++ 2544998	35799 3226854	81934 6097895	772631	1741741	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Xylene, o-	CBNZd5	Ave	+++++ 1655518	23188 2117245	52954 4019701	496516	1129326	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Styrene	CBNZd5	Ave	+++++ 2762480	37504 3515115	86141 6688242	828461	1882866	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoform	CBNZd5	Ave	+++++ 1813115	15675 2410174	47962 4582379	524697	1166031	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cumene	CBNZd5	Ave	+++++ 5055848	70456 6455426	163606 11588408	1550233	3491432	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2,2-Tetrachloroethane	CBNZd5	Ave	+++++ 2888949	40380 3704577	93145 6906582	851191	1966353	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
1,2,3-Trichloropropane	CBNZd5	Ave	+++++ 2395374	+++++ 3085507	78526 5798360	710234	1634307	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
n-Propylbenzene	CBNZd5	Ave	+++++ 6323959	91122 7994412	210106 13788107	1960846	4395205	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2-Chlorotoluene	CBNZd5	Ave	+++++ 4030462	58906 5140188	132939 9501990	1227175	2774878	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Ethyltoluene	CBNZd5	Ave	+++++ 4938364	69852 6274837	165542 11104430	1520422	3412011	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,3,5-Trimethylbenzene	CBNZd5	Ave	+++++ 4213485	60097 5382111	142567 9680268	1294980	2910431	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Decane	CBNZd5	Ave	+++++ 3239752	+++++ 4116213	109439 7393296	997932	2252601	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Alpha Methyl Styrene	CBNZd5	Ave	+++++ 2173259	28409 2798032	66743 5234716	639285	1490646	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
tert-Butylbenzene	CBNZd5	Ave	+++++ 3882532	55488 4949839	128150 8937126	1196006	2688337	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2,4-Trimethylbenzene	CBNZd5	Ave	+++++ 4243273	63588 5431080	148841 9753853	1309975	2961761	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
sec-Butylbenzene	CBNZd5	Ave	+++++ 6005515	88989 7597445	206361 12952811	1889563	4225435	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,3-Dichlorobenzene	CBNZd5	Ave	+++++ 2649391	38094 3411931	89568 6246830	806130	1826968	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Isopropyltoluene	CBNZd5	Ave	+++++ 4987787	73633 6381920	171717 10974009	1555040	3500159	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,4-Dichlorobenzene	CBNZd5	Ave	+++++ 2640695	38239 3408454	90049 6263350	804675	1826839	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzyl chloride	CBNZd5	Ave	+++++ 4505462	66927 5800638	160124 10434434	1355867	3096967	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
n-Butylbenzene	CBNZd5	Ave	+++++ 5314357	80646 6746305	190275 11503044	1679168	3735954	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 2520117	37582 3239578	89291 5942857	774562	1734351	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Undecane	CBNZd5	Ave	+++++ 3719276	+++++ 4800045	+++++ 8376658	1174750	2642875	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
n-Dodecane	CBNZd5	Ave	+++++ 3699387	+++++ 5106237	+++++ 8423657	1241497	2699437	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 2226251	+++++ 3002214	96019 5568895	683759	1566156	+++++ 17.6	+++++ 23.5	0.499 46.9	4.98	11.7
Hexachlorobutadiene	CBNZd5	Ave	+++++ 1712845	26324 2262808	69369 4029580	527561	1199869	+++++ 16.9	0.192 22.5	0.478 45.0	4.77	11.2
Naphthalene	CBNZd5	Ave	+++++ 5635106	88006 7564616	290773 13398967	1796184	4087669	+++++ 17.8	0.203 23.8	0.506 47.6	5.05	11.9
1,2,3-Trichlorobenzene	CBNZd5	Ave	+++++ 2120769	+++++ 2866347	113782 5225835	653042	1500317	+++++ 17.5	+++++ 23.3	0.496 46.6	4.94	11.6

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-210070/4	62629_004.D
Level 2	IC 200-210070/5	62629_005.D
Level 3	IC 200-210070/6	62629_006.D
Level 4	IC 200-210070/20	62629_020a.D
Level 5	ICIS 200-210070/8	62629_008.D
Level 6	IC 200-210070/9	62629_009.D
Level 7	IC 200-210070/12	62629_012.D
Level 8	IC 200-210070/13	62629_013.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
Propylene	+++++ 2.2	+++++ -8.1	+++++	5.9	-1.6	1.6	30	30		50	30	30
Dichlorodifluoromethane	+++++ -1.3	+++++ -11.1	14.2	3.9	-4.6	-1.1	30	30	50	30	30	30
Freon 22	+++++ -0.9	+++++ -11.0	13.7	3.6	-4.1	-1.2	30	30	50	30	30	30
1,2-Dichlorotetrafluoroethane	+++++ -4.0	19.6 -13.9	8.8	1.4	-7.9	-4.0	30	50 30	30	30	30	30
Chloromethane	+++++ -1.0	+++++ -9.6	14.9	2.4	-5.8	-1.0	30	30	50	30	30	30
Vinyl chloride	20.6 -9.4	23.0 -15.7	5.5	-2.4	-13.3	-8.3	50 30	30 30	30	30	30	30
n-Butane	+++++ -2.7	+++++ -10.8	16.3	5.2	-6.6	-1.4	30	30	50	30	30	30
1,3-Butadiene	38.2 -12.5	25.7 -18.4	4.3	-8.4	-17.1	-11.9	50 30	30 30	30	30	30	30
Bromomethane	+++++ -4.5	17.9 -9.3	6.5	0.7	-8.7	-2.6	30	50 30	30	30	30	30
Chloroethane	+++++ -1.9	+++++ -7.5	12.7	3.0	-6.1	-0.2	30	30	50	30	30	30
Isopentane	+++++ -6.1	23.6 -13.3	8.8	0.4	-8.7	-4.6	30	50 30	30	30	30	30
Bromoethene(Vinyl Bromide)	+++++ -4.2	18.3 -9.1	6.1	-0.3	-8.2	-2.5	30	50 30	30	30	30	30
Trichlorofluoromethane	+++++ -4.8	20.2 -12.3	10.1	-0.6	-8.9	-3.7	30	50 30	30	30	30	30
n-Pentane	+++++ -3.1	+++++ -11.4	17.0	4.1	-5.4	-1.2	30	30	50	30	30	30
Ethanol	+++++ -15.6	+++++ -21.5	-3.3	-2.4	-15.4	58.2 *	30	30	50	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington | Job No.: 200-75561-1 | Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 | Calibration End Date: 10/26/2024 09:20 | Calibration ID: 53786

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
Ethyl ether	+++++ -4.7	19.3 -10.7	7.9	0.4	-9.0	-3.2	30	50 30	30	30	30	30
Acrolein	+++++ 1.8	+++++ -3.3	+++++	4.2	-3.9	1.2	30	30		50	30	30
1,1-Dichloroethene	2.9 -5.6	26.5 -11.6	3.7	-2.0	-9.3	-4.5	50 30	30 30	30	30	30	30
Freon TF	+++++ -5.5	22.0 -12.9	8.8	-0.1	-8.6	-3.7	30	50 30	30	30	30	30
Acetone	+++++ 0.3	+++++ -8.2	+++++	7.7	-1.7	2.0	30	30		50	30	30
Isopropyl alcohol	+++++ 0.0	+++++ -7.3	+++++	6.4	-2.0	2.9	30	30		50	30	30
Carbon disulfide	+++++ -2.2	+++++ -10.5	14.4	4.0	-5.7	0.0	30	30	50	30	30	30
Acetonitrile	+++++ -2.5	+++++ -7.9	14.7	2.6	-6.4	-0.5	30	30	50	30	30	30
3-Chloropropene	+++++ -6.0	23.8 -13.0	9.0	-0.5	-9.0	-4.2	30	50 30	30	30	30	30
Methylene Chloride	+++++ -4.0	+++++ -10.4	22.1	1.4	-6.7	-2.3	30	30	50	30	30	30
tert-Butyl alcohol	+++++ 0.8	+++++ -6.3	+++++	5.1	-2.4	2.8	30	30		50	30	30
Acrylonitrile	+++++ -0.7	+++++ -6.1	9.6	1.6	-5.2	0.8	30	30	50	30	30	30
trans-1,2-Dichloroethene	12.9 -7.7	20.3 -15.7	8.3	-2.1	-10.2	-5.8	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	+++++ -6.1	25.9 -14.4	8.7	-1.1	-8.8	-4.3	30	50 30	30	30	30	30
n-Hexane	+++++ -6.7	21.8 -13.3	12.4	-1.3	-9.0	-3.9	30	50 30	30	30	30	30
1,1-Dichloroethane	0.1 -6.3	22.0 -14.2	10.8	-0.6	-7.9	-3.8	50 30	30 30	30	30	30	30
Vinyl acetate	+++++ 2.7	+++++ -4.7	+++++	0.7	-2.7	3.9	30	30		50	30	30
Methyl Ethyl Ketone	+++++ 0.2	+++++ -6.2	7.1	1.5	-3.9	1.3	30	30	50	30	30	30
cis-1,2-Dichloroethene	14.1 -7.4	21.5 -13.1	4.0	-3.4	-10.0	-5.7	50 30	30 30	30	30	30	30
Ethyl acetate	+++++ 1.0	+++++ -3.7	+++++	2.0	-2.9	3.6	30	30		50	30	30
Tetrahydrofuran	+++++ 0.5	+++++ -4.8	+++++	3.7	-2.1	2.7	30	30		50	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

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
Chloroform	+++++ -4.8	20.4 -12.2	10.0	-1.8	-8.2	-3.5	30	50 30	30	30	30	30
1,1,1-Trichloroethane	+++++ -5.0	22.1 -11.5	9.8	-2.9	-7.8	-4.7	30	50 30	30	30	30	30
Cyclohexane	+++++ -5.2	21.1 -10.3	8.2	-1.9	-8.0	-3.8	30	50 30	30	30	30	30
Carbon tetrachloride	-3.9 -2.5	17.9 -9.5	8.0	-0.8	-6.6	-2.6	50 30	30 30	30	30	30	30
Benzene	+++++ -7.7	28.2 -14.1	11.7	-3.0	-9.4	-5.7	30	50 30	30	30	30	30
1,2-Dichloroethane	+++++ -4.5	22.8 -11.1	6.8	-2.7	-7.6	-3.7	30	50 30	30	30	30	30
2,2,4-Trimethylpentane	+++++ -6.7	21.5 -15.4	12.4	-0.5	-7.3	-4.0	30	50 30	30	30	30	30
n-Heptane	+++++ -7.4	25.0 -14.2	11.6	-1.9	-8.2	-5.0	30	50 30	30	30	30	30
n-Butanol	+++++ 0.7	+++++ -1.7	+++++	0.2	-2.7	3.5	30	30		50	30	30
Trichloroethene	-9.7 -3.2	20.3 -9.2	10.5	-0.7	-6.4	-1.7	50 30	30 30	30	30	30	30
1,2-Dichloropropane	+++++ -6.8	23.9 -14.2	11.0	-1.5	-7.9	-4.4	30	50 30	30	30	30	30
Methyl methacrylate	+++++ 0.5	+++++ -4.8	5.8	0.3	-3.0	1.3	30	30	50	30	30	30
1,4-Dioxane	+++++ -8.3	27.4 -14.2	10.4	-1.3	-8.1	-5.9	30	50 30	30	30	30	30
Dibromomethane	+++++ -6.6	30.4 -12.4	8.9	-4.2	-9.9	-6.1	30	50 30	30	30	30	30
Bromodichloromethane	+++++ -2.5	12.7 -9.2	7.6	-0.9	-6.0	-1.8	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	+++++ -3.1	15.0 -8.9	6.5	-1.7	-6.0	-2.0	30	50 30	30	30	30	30
Methyl isobutyl ketone	+++++ -1.2	+++++ -8.3	9.7	1.7	-2.4	0.6	30	30	50	30	30	30
Toluene	+++++ -6.3	23.7 -13.4	8.9	0.1	-8.7	-4.3	30	50 30	30	30	30	30
n-Octane	+++++ -7.5	23.4 -16.0	12.9	-1.3	-6.9	-4.5	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	+++++ -3.3	16.6 -9.0	6.6	-2.0	-6.4	-2.5	30	50 30	30	30	30	30
1,1,2-Trichloroethane	+++++ -4.4	18.3 -10.1	7.4	-0.5	-7.8	-2.9	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

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
Tetrachloroethene	-5.4 -3.6	21.1 -10.6	8.5	0.3	-7.5	-2.7	50 30	30 30	30	30	30	30
Methyl Butyl Ketone (2-Hexanone)	+++++ -0.3	+++++ -7.5	7.9	2.1	-2.7	0.5	30	30	50	30	30	30
Dibromochloromethane	+++++ 1.7	0.5 -5.7	4.0	2.4	-4.6	1.7	30	50 30	30	30	30	30
1,2-Dibromoethane	+++++ -3.5	16.1 -10.5	7.9	-0.1	-7.5	-2.5	30	50 30	30	30	30	30
Chlorobenzene	+++++ -6.1	22.5 -13.2	10.6	-0.6	-8.7	-4.5	30	50 30	30	30	30	30
Ethylbenzene	+++++ -6.8	22.3 -16.7	12.9	0.6	-8.0	-4.4	30	50 30	30	30	30	30
m,p-Xylene	+++++ -6.8	23.0 -15.6	12.5	0.2	-8.2	-5.1	30	50 30	30	30	30	30
n-Nonane	+++++ -7.5	24.0 -15.6	12.7	-0.3	-8.5	-4.7	30	50 30	30	30	30	30
Xylene, o-	+++++ -6.6	23.6 -14.4	12.1	-1.3	-8.7	-4.6	30	50 30	30	30	30	30
Styrene	+++++ -6.1	21.1 -13.7	10.4	-0.3	-7.8	-3.6	30	50 30	30	30	30	30
Bromoform	+++++ 7.5	-15.5 -1.3	2.7	5.5	-4.6	5.7	30	50 30	30	30	30	30
Cumene	+++++ -6.7	23.2 -19.1	13.5	1.0	-7.5	-4.5	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	+++++ -6.1	23.8 -15.4	13.4	-2.8	-8.6	-4.3	30	50 30	30	30	30	30
1,2,3-Trichloropropane	+++++ -2.5	+++++ -11.5	19.1	1.2	-5.3	-1.1	30	30	50	30	30	30
n-Propylbenzene	+++++ -8.1	26.6 -23.5	15.9	1.5	-7.4	-5.0	30	50 30	30	30	30	30
2-Chlorotoluene	+++++ -8.0	27.5 -17.9	14.2	-1.0	-9.0	-5.8	30	50 30	30	30	30	30
4-Ethyltoluene	+++++ -7.7	24.2 -21.1	16.9	0.8	-8.0	-5.1	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	+++++ -7.7	24.5 -19.9	17.3	0.0	-8.5	-5.6	30	50 30	30	30	30	30
n-Decane	+++++ -4.3	+++++ -17.0	22.2	4.6	-4.0	-1.6	30	30	50	30	30	30
Alpha Methyl Styrene	+++++ -4.1	17.8 -13.3	9.8	-1.2	-6.3	-2.6	30	50 30	30	30	30	30
tert-Butylbenzene	+++++ -7.6	25.2 -19.5	14.8	0.5	-8.0	-5.3	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75561-1 Analy Batch No.: 210070

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2024 18:16 Calibration End Date: 10/26/2024 09:20 Calibration ID: 53786

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
1,2,4-Trimethylbenzene	+++++ -9.1	28.6 -21.2	19.5	-1.3	-9.2	-7.3	30	50 30	30	30	30	30
sec-Butylbenzene	+++++ -9.3	28.5 -25.3	18.3	1.7	-7.5	-6.3	30	50 30	30	30	30	30
1,3-Dichlorobenzene	+++++ -7.3	25.1 -18.1	16.8	-1.4	-9.0	-6.0	30	50 30	30	30	30	30
4-Isopropyltoluene	+++++ -8.4	27.8 -23.9	18.3	0.6	-7.9	-6.5	30	50 30	30	30	30	30
1,4-Dichlorobenzene	+++++ -7.5	25.4 -18.0	17.3	-1.6	-9.1	-6.4	30	50 30	30	30	30	30
Benzyl chloride	+++++ -8.3	27.9 -20.4	21.5	-3.4	-10.3	-7.0	30	50 30	30	30	30	30
n-Butylbenzene	+++++ -10.1	29.9 -26.0	21.7	0.8	-8.8	-7.5	30	50 30	30	30	30	30
1,2-Dichlorobenzene	+++++ -8.9	27.7 -19.3	20.5	-1.9	-10.6	-7.4	30	50 30	30	30	30	30
n-Undecane	+++++ 0.7	+++++ -15.2	+++++	11.0	1.6	1.9	30	30		50	30	30
n-Dodecane	+++++ 4.0	+++++ -17.2	+++++	13.9	0.8	-1.6	30	30		50	30	30
1,2,4-Trichlorobenzene	+++++ -6.0	+++++ -15.8	44.3	-3.5	-10.1	-8.9	30	30	50	30	30	30
Hexachlorobutadiene	+++++ -9.7	27.0 -22.3	32.9 *	-5.1	-12.2	-10.7	30	50 30	30	30	30	30
Naphthalene	+++++ -14.0	20.9 -26.5	58.6 *	-8.0	-14.8	-16.3	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	+++++ -11.0	+++++ -21.6	69.7 *	-8.6	-14.6	-13.9	30	30	50	30	30	30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_004.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Oct-2024 18:16:07 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-004
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:23:05 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 26-Oct-2024 10:42:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.369	4.358	0.011	97	5283	0.0351	0.0617	
2 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	8047	0.0351	0.0372	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	95	6886	0.0351	0.0454	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	97	7884	0.0351	0.0347	
5 Chloromethane	50	4.941	4.941	0.000	96	4246	0.0351	0.0478	
6 Vinyl chloride	62	5.241	5.236	0.005	74	3065	0.0351	0.0423	
7 Butane	43	5.236	5.241	-0.005	95	8653	0.0351	0.0727	
8 Butadiene	54	5.359	5.353	0.006	77	2919	0.0351	0.0485	
9 Bromomethane	94	6.081	6.081	0.000	93	2376	0.0351	0.0335	
10 Chloroethane	64	6.348	6.348	0.000	96	1513	0.0351	0.0331	
12 2-Methylbutane	43	6.568	6.562	0.006	90	4646	0.0351	0.0399	
13 Vinyl bromide	106	6.776	6.771	0.005	83	2319	0.0351	0.0362	
14 Trichlorofluoromethane	101	6.926	6.932	-0.006	97	6740	0.0351	0.0356	
15 Pentane	43	7.140	7.140	0.000	97	7583	0.0351	0.0466	
16 Ethanol	45	7.349	7.301	0.048	99	3902	0.0702	0.0850	
18 Ethyl ether	59	7.579	7.552	0.027	85	2022	0.0351	0.0338	
19 Acrolein	56	7.804	7.788	0.016	90	1506	0.0411	0.0514	
20 1,1-Dichloroethene	96	7.986	7.991	-0.005	49	2484	0.0351	0.0361	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	90	4974	0.0351	0.0345	
22 Acetone	43	8.109	8.060	0.049	98	9257	0.0351	0.0719	
23 Isopropyl alcohol	45	8.397	8.355	0.042	63	7136	0.0407	0.0543	
24 Carbon disulfide	76	8.397	8.397	0.000	100	7674	0.0351	0.0380	
25 Acetonitrile	41	8.397	8.558	-0.161	51	847	0.0351	0.0128	
26 3-Chloro-1-propene	41	8.686	8.681	0.005	95	4259	0.0351	0.0373	
27 Methylene Chloride	49	8.906	8.911	-0.005	98	6704	0.0351	0.0724	
28 2-Methyl-2-propanol	59	9.157	9.120	0.037	98	6001	0.0351	0.0377	
29 Acrylonitrile	53	9.323	9.302	0.021	12	731	0.0351	0.0134	
30 trans-1,2-Dichloroethene	61	9.409	9.414	-0.005	36	4457	0.0351	0.0396	
31 Methyl tert-butyl ether	73	9.446	9.419	0.027	98	8541	0.0351	0.0403	
32 Hexane	57	9.927	9.927	0.000	93	4269	0.0351	0.0358	
33 1,1-Dichloroethane	63	10.179	10.174	0.005	96	4827	0.0351	0.0351	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.216	10.179	0.037	15	2898	0.0400	0.0164	
S 35 1,2-Dichloroethene, Total	61				0		0.0702	0.0796	
36 2-Butanone (MEK)	72	11.169	11.137	0.033	98	985	0.0351	0.0277	
37 cis-1,2-Dichloroethene	96	11.163	11.169	-0.006	93	2935	0.0351	0.0400	M
38 Ethyl acetate	88		11.222				ND	ND	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	688771	10.0	10.0	
40 Tetrahydrofuran	42	11.645	11.623	0.022	91	4227	0.0351	0.0464	
41 Chloroform	83	11.752	11.752	0.000	94	5451	0.0351	0.0352	
42 1,1,1-Trichloroethane	97	12.073	12.067	0.006	96	6174	0.0351	0.0392	
43 Cyclohexane	84	12.201	12.212	-0.011	16	1829	0.0351	0.0198	
44 Carbon tetrachloride	117	12.340	12.346	-0.006	94	5094	0.0351	0.0337	
45 Benzene	78	12.688	12.688	0.000	98	10581	0.0351	0.0474	
46 1,2-Dichloroethane	62		12.757				ND	ND	
47 Isooctane	57		12.913				ND	ND	
48 n-Heptane	43	13.223	13.218	0.005	94	6510	0.0351	0.0416	
* 49 1,4-Difluorobenzene	114	13.416	13.416	0.000	97	3447177	10.0	10.0	
50 n-Butanol	56	13.228	13.635	-0.407	63	1986	0.0351	0.0350	
51 Trichloroethene	95	13.854	13.854	0.000	88	3019	0.0351	0.0317	
53 1,2-Dichloropropane	63	14.309	14.304	0.005	71	2388	0.0351	0.0272	
54 Methyl methacrylate	69		14.395				ND	ND	
55 1,4-Dioxane	88	14.464	14.432	0.032	55	1936	0.0351	0.0417	
57 Dibromomethane	174	14.459	14.459	0.000	90	3654	0.0351	0.0503	
58 Dichlorobromomethane	83	14.769	14.769	0.000	96	5207	0.0351	0.0312	
59 cis-1,3-Dichloropropene	75	15.571	15.571	0.000	97	5116	0.0351	0.0345	
61 4-Methyl-2-pentanone (MIBK)	43	15.855	15.834	0.021	95	7023	0.0351	0.0357	
62 Toluene	92	16.213	16.219	-0.006	90	5566	0.0351	0.0372	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	25172	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	93	8157	0.0351	0.0378	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	33193	NC	NC	
66 trans-1,3-Dichloropropene	75	16.625	16.620	0.005	95	4299	0.0351	0.0349	
67 1,1,2-Trichloroethane	83		16.995				ND	ND	
68 Tetrachloroethene	166	17.214	17.208	0.006	88	3378	0.0351	0.0332	
69 2-Hexanone	43	17.433	17.406	0.027	93	4221	0.0351	0.0227	
70 Chlorodibromomethane	129	17.733	17.733	0.000	95	3780	0.0351	0.0267	
71 Ethylene Dibromide	107	17.979	17.974	0.005	98	4177	0.0351	0.0314	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	92	3012196	10.0	10.0	
74 Chlorobenzene	112	18.953	18.947	0.006	83	6475	0.0351	0.0342	
75 Ethylbenzene	91	19.134	19.140	-0.006	99	12544	0.0351	0.0371	
76 m-Xylene & p-Xylene	106	19.407	19.402	0.005	0	8339	0.0702	0.0692	
77 n-Nonane	57	19.466	19.471	-0.005	93	6654	0.0351	0.0366	
S 80 Xylenes, Total	106				0		0.1052	0.1042	
78 o-Xylene	106	20.167	20.172	-0.005	92	4128	0.0351	0.0350	
79 Styrene	104	20.204	20.204	0.000	98	6616	0.0351	0.0340	
81 Bromoform	173	20.541	20.541	0.000	89	2560	0.0351	0.0219	
82 Isopropylbenzene	105	20.857	20.857	0.000	98	12957	0.0351	0.0360	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	97	7052	0.0351	0.0344	
84 1,2,3-Trichloropropane	75	21.462	21.462	0.000	97	5781	0.0351	0.0351	
85 N-Propylbenzene	91	21.563	21.569	-0.006	97	16385	0.0351	0.0362	
86 2-Chlorotoluene	91	21.713	21.713	0.000	98	10361	0.0351	0.0356	
87 4-Ethyltoluene	105	21.761	21.761	0.000	97	12903	0.0351	0.0365	
88 1,3,5-Trimethylbenzene	105	21.857	21.857	0.000	90	11416	0.0351	0.0376	
89 n-Decane	57	21.890	21.890	0.000	90	8485	0.0351	0.0379	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.184	22.178	0.006	86	5089	0.0351	0.0335	
91 tert-Butylbenzene	119	22.334	22.334	0.000	89	10694	0.0351	0.0383	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	97	11584	0.0351	0.0372	
93 sec-Butylbenzene	105	22.660	22.655	0.005	98	16445	0.0351	0.0377	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	94	6904	0.0351	0.0360	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	96	12538	0.0351	0.0346	
96 1,4-Dichlorobenzene	146	22.970	22.965	0.005	89	7232	0.0351	0.0377	
97 Benzyl chloride	91	23.115	23.109	0.006	96	11436	0.0351	0.0347	
98 n-Butylbenzene	91	23.425	23.425	0.000	99	13850	0.0351	0.0355	
99 1,2-Dichlorobenzene	146	23.462	23.457	0.005	91	7084	0.0351	0.0383	
100 Undecane	57	23.575	23.575	0.000	95	9976	0.0351	0.0402	
101 Dodecane	57	25.164	25.164	0.000	95	9668	0.0351	0.0378	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	90	5577	0.0411	0.0394	
103 Hexachlorobutadiene	225	26.164	26.159	0.005	86	4274	0.0394	0.0369	
104 Naphthalene	128	26.389	26.389	0.000	97	14425	0.0417	0.0375	
105 1,2,3-Trichlorobenzene	180	26.806	26.806	0.000	90	5553	0.0409	0.0386	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL1w_00272	Amount Added: 35.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

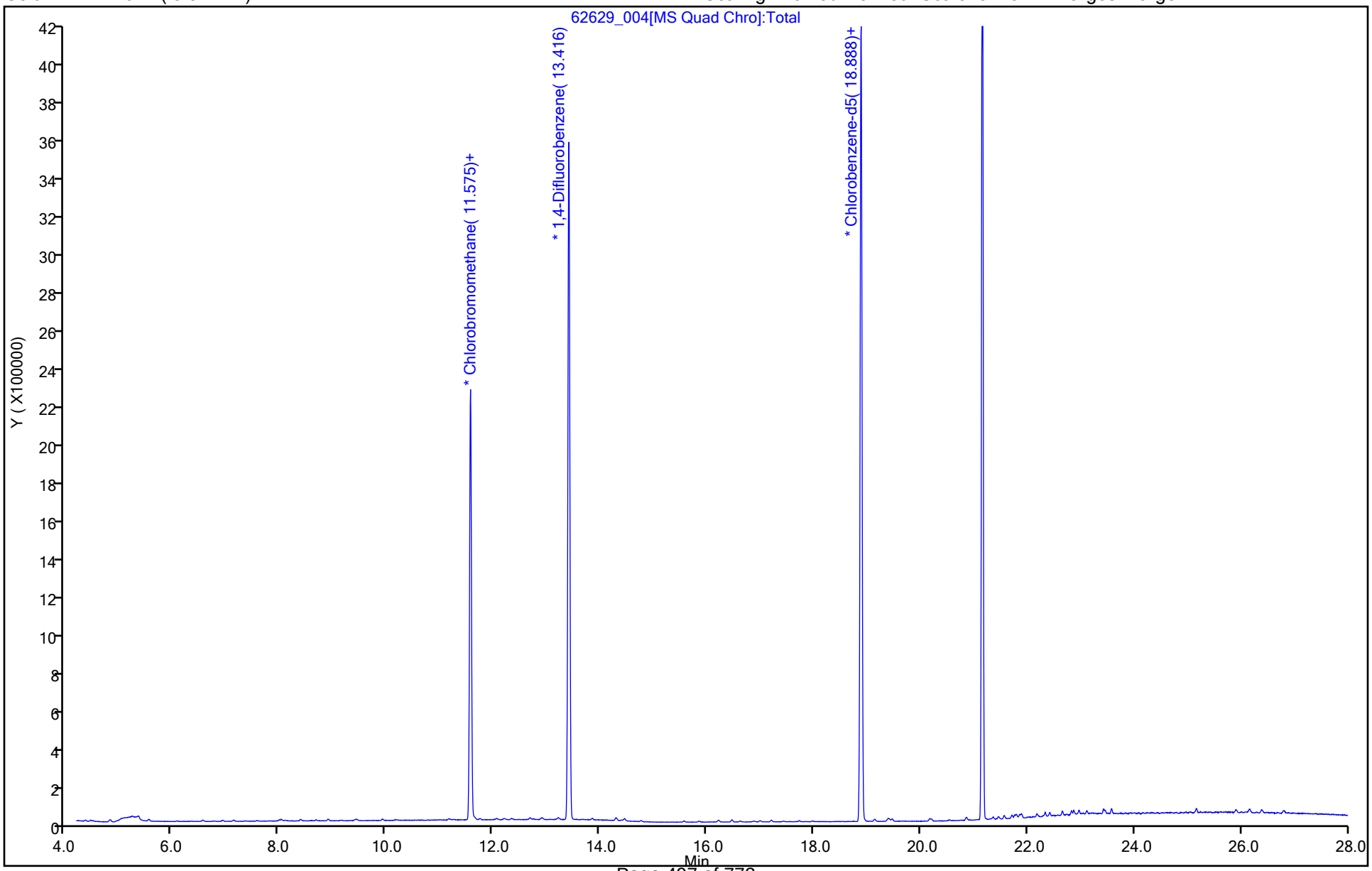
Report Date: 28-Oct-2024 10:23:05 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_004.D

Injection Date:	25-Oct-2024 18:16:07	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

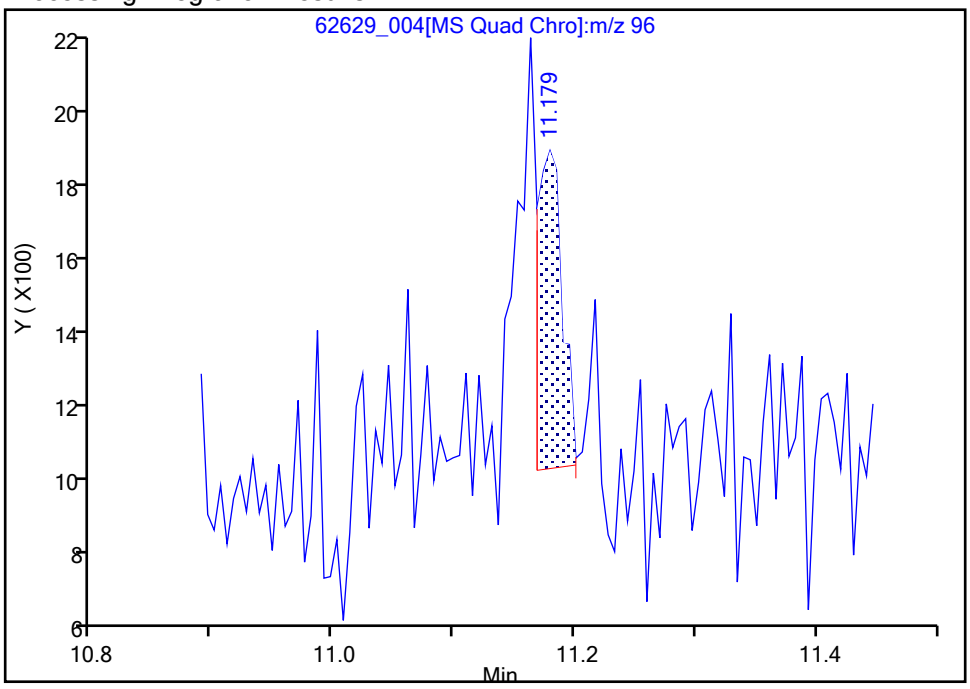
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_004.D				
Injection Date:	25-Oct-2024 18:16:07	Instrument ID:	CHAN.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

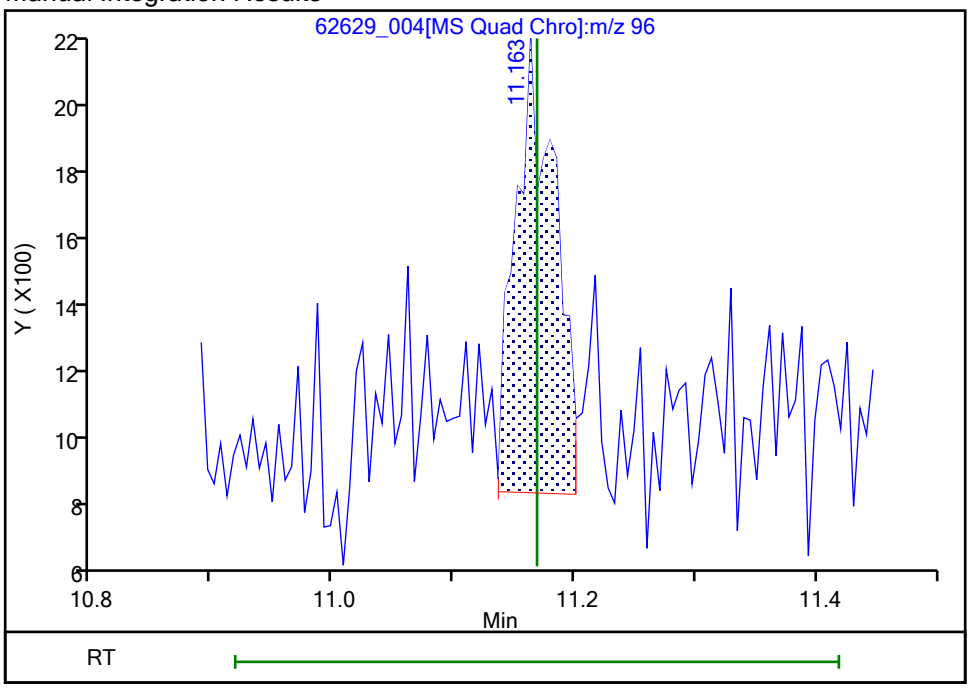
Processing Integration Results

RT: 11.18
Area: 1172
Amount: 0.017482
Amount Units: ppb v/v



Manual Integration Results

RT: 11.16
Area: 2935
Amount: 0.040029
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 10:40:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_005.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Oct-2024 19:07:44 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-005
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:23:07 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 28-Oct-2024 10:03:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	97	19702	0.1704	0.2466	
2 Dichlorodifluoromethane	85	4.455	4.460	-0.005	99	42948	0.1704	0.2131	
3 Chlorodifluoromethane	51	4.508	4.503	0.005	97	29140	0.1704	0.2059	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	97	43164	0.1704	0.2038	
5 Chloromethane	50	4.941	4.941	0.000	99	18155	0.1704	0.2193	
6 Vinyl chloride	62	5.236	5.236	0.000	65	14162	0.1704	0.2096	
7 Butane	43	5.241	5.241	0.000	97	25710	0.1704	0.2314	
8 Butadiene	54	5.353	5.353	0.000	95	12032	0.1704	0.2142	
9 Bromomethane	94	6.076	6.081	-0.005	98	13281	0.1704	0.2008	
10 Chloroethane	64	6.354	6.348	0.006	99	9026	0.1704	0.2115	
12 2-Methylbutane	43	6.562	6.562	0.000	96	22860	0.1704	0.2106	
13 Vinyl bromide	106	6.771	6.771	0.000	97	12045	0.1704	0.2015	
14 Trichlorofluoromethane	101	6.932	6.932	0.000	98	36162	0.1704	0.2049	
15 Pentane	43	7.146	7.140	0.006	96	34451	0.1704	0.2268	
16 Ethanol	45	7.333	7.301	0.032	97	16663	0.3408	0.3890	
18 Ethyl ether	59	7.568	7.552	0.016	96	11335	0.1704	0.2033	
19 Acrolein	56	7.804	7.788	0.016	96	6696	0.1995	0.2451	
20 1,1-Dichloroethene	96	7.996	7.991	0.005	94	13833	0.1704	0.2155	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.028	8.034	-0.006	92	27963	0.1704	0.2079	
22 Acetone	43	8.093	8.060	0.033	99	31132	0.1704	0.2591	
23 Isopropyl alcohol	45	8.387	8.355	0.032	78	29840	0.1975	0.2434	
24 Carbon disulfide	76	8.397	8.397	0.000	99	40281	0.1704	0.2139	
25 Acetonitrile	41	8.579	8.558	0.021	99	12728	0.1704	0.2063	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	96	22439	0.1704	0.2109	
27 Methylene Chloride	49	8.911	8.911	0.000	98	21566	0.1704	0.2496	
28 2-Methyl-2-propanol	59	9.157	9.120	0.037	98	30505	0.1704	0.2052	
29 Acrylonitrile	53	9.323	9.302	0.021	93	10065	0.1704	0.1971	
30 trans-1,2-Dichloroethene	61	9.414	9.414	0.000	93	21521	0.1704	0.2050	
31 Methyl tert-butyl ether	73	9.441	9.419	0.022	97	42454	0.1704	0.2145	
32 Hexane	57	9.922	9.927	-0.005	92	23050	0.1704	0.2075	
33 1,1-Dichloroethane	63	10.174	10.174	0.000	99	26658	0.1704	0.2078	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.200	10.179	0.021	100	26853	0.1941	0.1634	
S 35 1,2-Dichloroethene, Total	61				0		0.3407	0.4120	
36 2-Butanone (MEK)	72	11.163	11.137	0.027	99	6821	0.1704	0.2058	
37 cis-1,2-Dichloroethene	96	11.163	11.169	-0.006	84	14160	0.1704	0.2070	
38 Ethyl acetate	88	11.260	11.222	0.038	99	1179	0.1704	0.2158	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	96	642483	10.0	10.0	
40 Tetrahydrofuran	42	11.650	11.623	0.027	93	19697	0.1704	0.2328	
41 Chloroform	83	11.757	11.752	0.005	96	29668	0.1704	0.2051	
42 1,1,1-Trichloroethane	97	12.067	12.067	0.000	98	30438	0.1704	0.2081	
43 Cyclohexane	84	12.201	12.212	-0.011	95	17680	0.1704	0.2063	
44 Carbon tetrachloride	117	12.340	12.346	-0.006	96	28231	0.1704	0.2009	
45 Benzene	78	12.688	12.688	0.000	98	45352	0.1704	0.2184	
46 1,2-Dichloroethane	62	12.758	12.757	0.001	92	22091	0.1704	0.2093	
47 Isooctane	57	12.913	12.913	0.000	97	72852	0.1704	0.2070	
48 n-Heptane	43	13.218	13.218	0.000	96	30969	0.1704	0.2130	
* 49 1,4-Difluorobenzene	114	13.416	13.416	0.000	97	3205442	10.0	10.0	
50 n-Butanol	56	13.656	13.635	0.021	93	10250	0.1704	0.1942	Ma
51 Trichloroethene	95	13.854	13.854	0.000	91	18163	0.1704	0.2050	
53 1,2-Dichloropropane	63	14.304	14.304	0.000	71	17220	0.1704	0.2111	
54 Methyl methacrylate	69	14.405	14.395	0.011	91	14232	0.1704	0.1913	
55 1,4-Dioxane	88	14.453	14.432	0.021	62	9365	0.1704	0.2171	
57 Dibromomethane	174	14.459	14.459	0.000	87	14992	0.1704	0.2221	
58 Dichlorobromomethane	83	14.764	14.769	-0.005	97	29804	0.1704	0.1921	
59 cis-1,3-Dichloropropene	75	15.572	15.571	0.001	99	27037	0.1704	0.1960	
61 4-Methyl-2-pentanone (MIBK)	43	15.844	15.834	0.010	97	36913	0.1704	0.2019	
62 Toluene	92	16.219	16.219	0.000	93	29401	0.1704	0.2107	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	132340	NC	NC	
64 n-Octane	43	16.476	16.470	0.006	95	42119	0.1704	0.2102	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	152587	NC	NC	
66 trans-1,3-Dichloropropene	75	16.625	16.620	0.005	96	22758	0.1704	0.1986	
67 1,1,2-Trichloroethane	83	16.995	16.995	0.001	97	14670	0.1704	0.2015	
68 Tetrachloroethene	166	17.209	17.208	0.001	92	19607	0.1704	0.2064	
69 2-Hexanone	43	17.423	17.406	0.017	92	31956	0.1704	0.1839	
70 Chlorodibromomethane	129	17.733	17.733	0.000	96	22616	0.1704	0.1713	
71 Ethylene Dibromide	107	17.974	17.974	0.000	97	24584	0.1704	0.1978	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	93	2810400	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	93	36909	0.1704	0.2087	
75 Ethylbenzene	91	19.140	19.140	0.000	99	65660	0.1704	0.2083	
76 m-Xylene & p-Xylene	106	19.397	19.402	-0.005	0	47075	0.3407	0.4190	
77 n-Nonane	57	19.471	19.471	0.000	94	35799	0.1704	0.2113	
S 80 Xylenes, Total	106				0		0.5111	0.6296	
78 o-Xylene	106	20.178	20.172	0.006	97	23188	0.1704	0.2106	
79 Styrene	104	20.210	20.204	0.006	98	37504	0.1704	0.2063	
81 Bromoform	173	20.541	20.541	0.000	92	15675	0.1704	0.1440	
82 Isopropylbenzene	105	20.857	20.857	0.000	98	70456	0.1704	0.2098	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	98	40380	0.1704	0.2109	
84 1,2,3-Trichloropropane	75	21.462	21.462	0.000	97	34430	0.1704	0.2242	
85 N-Propylbenzene	91	21.569	21.569	0.000	98	91122	0.1704	0.2157	
86 2-Chlorotoluene	91	21.708	21.713	-0.005	97	58906	0.1704	0.2171	
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	69852	0.1704	0.2117	
88 1,3,5-Trimethylbenzene	105	21.852	21.857	-0.005	92	60097	0.1704	0.2122	
89 n-Decane	57	21.890	21.890	0.000	91	47481	0.1704	0.2275	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.178	22.178	0.000	82	28409	0.1704	0.2006	
91 tert-Butylbenzene	119	22.334	22.334	0.000	90	55488	0.1704	0.2133	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	98	63588	0.1704	0.2191	
93 sec-Butylbenzene	105	22.660	22.655	0.005	98	88989	0.1704	0.2189	
94 1,3-Dichlorobenzene	146	22.831	22.826	0.005	97	38094	0.1704	0.2131	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	97	73633	0.1704	0.2177	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	91	38239	0.1704	0.2137	
97 Benzyl chloride	91	23.109	23.109	0.000	97	66927	0.1704	0.2179	
98 n-Butylbenzene	91	23.425	23.425	0.000	97	80646	0.1704	0.2213	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	92	37582	0.1704	0.2176	
100 Undecane	57	23.575	23.575	0.000	95	56105	0.1704	0.2423	
101 Dodecane	57	25.164	25.164	0.000	94	55260	0.1704	0.2318	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	91	31994	0.1998	0.2421	
103 Hexachlorobutadiene	225	26.159	26.159	0.000	91	26324	0.1915	0.2433	
104 Naphthalene	128	26.389	26.389	0.000	98	88006	0.2026	0.2450	
105 1,2,3-Trichlorobenzene	180	26.801	26.806	-0.005	94	32806	0.1985	0.2445	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- a - User Assigned ID

Reagents:

ATTO15CAL1w_00272	Amount Added: 170.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

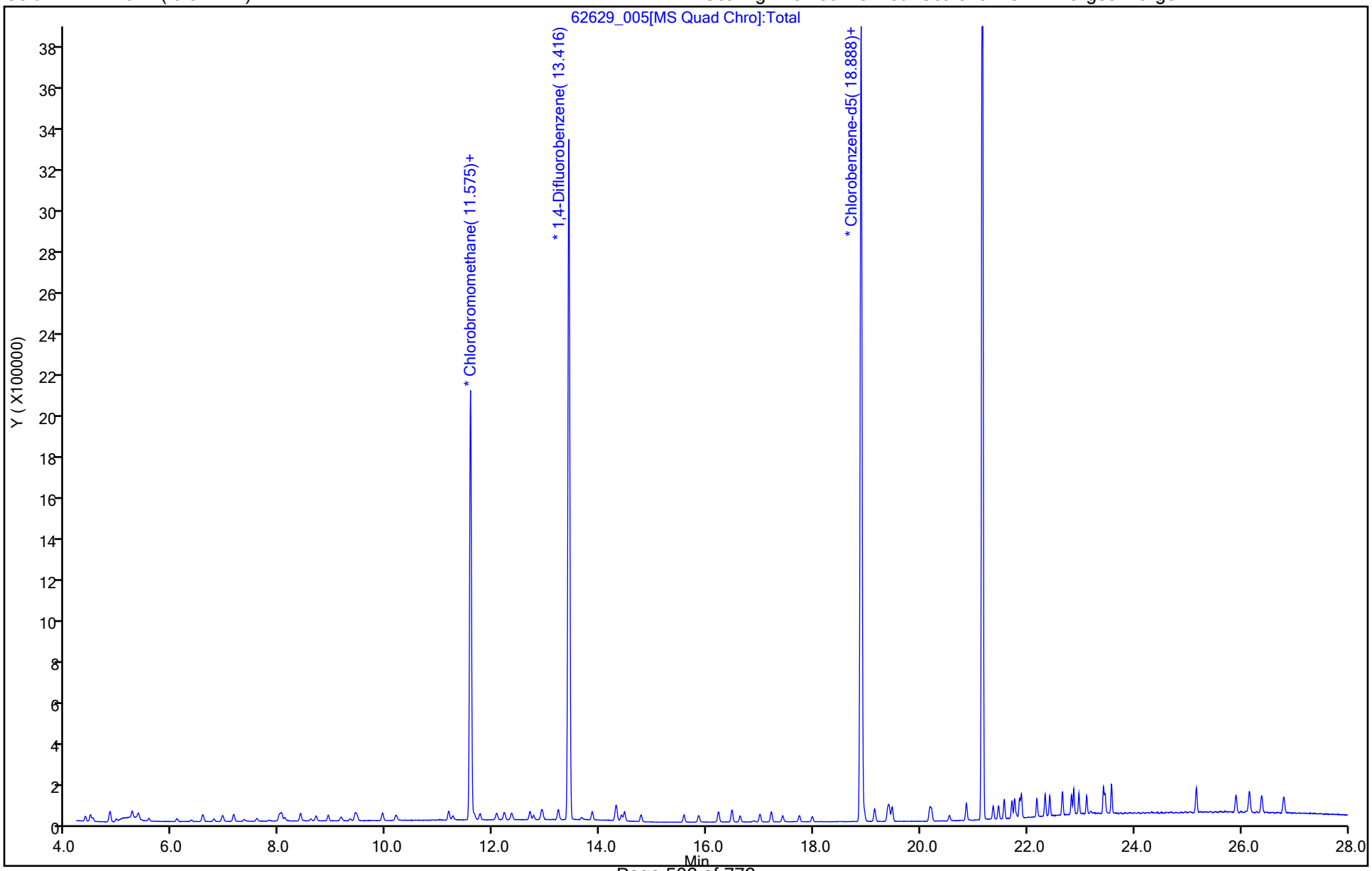
Report Date: 28-Oct-2024 10:23:07 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_005.D

Injection Date:	25-Oct-2024 19:07:44	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

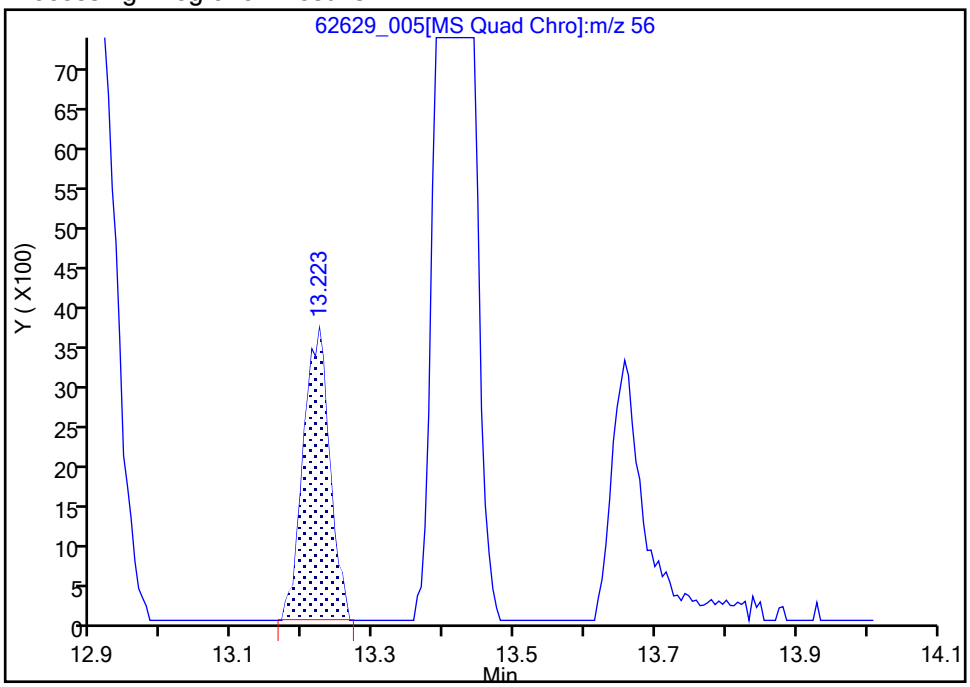
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_005.D				
Injection Date:	25-Oct-2024 19:07:44	Instrument ID:	CHAN.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Signal: 1

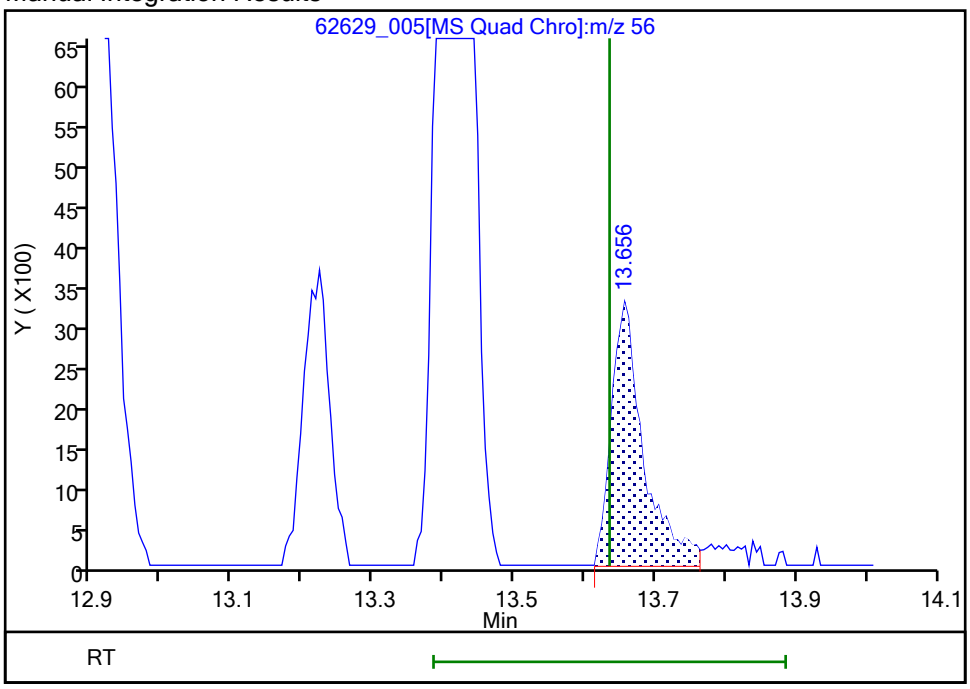
Processing Integration Results

RT: 13.22
Area: 9504
Amount: 0.206964
Amount Units: ppb v/v



Manual Integration Results

RT: 13.66
Area: 10250
Amount: 0.194215
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 10:42:57 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_006.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Oct-2024 19:59:26 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-006
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:23:09 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 26-Oct-2024 10:44:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	99	42030	0.4254	0.5265	
2 Dichlorodifluoromethane	85	4.455	4.460	-0.005	99	97858	0.4254	0.4860	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	97	68365	0.4254	0.4835	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.818	4.824	-0.006	98	97986	0.4254	0.4630	
5 Chloromethane	50	4.936	4.941	-0.005	99	40436	0.4254	0.4890	
6 Vinyl chloride	62	5.236	5.236	0.000	67	30280	0.4254	0.4486	
7 Butane	43	5.241	5.241	0.000	97	54922	0.4254	0.4949	
8 Butadiene	54	5.348	5.353	-0.005	95	24886	0.4254	0.4435	
9 Bromomethane	94	6.076	6.081	-0.005	99	29919	0.4254	0.4529	
10 Chloroethane	64	6.348	6.348	0.000	99	20438	0.4254	0.4794	
12 2-Methylbutane	43	6.557	6.562	-0.005	94	50202	0.4254	0.4629	
13 Vinyl bromide	106	6.771	6.771	0.000	97	26964	0.4254	0.4515	
14 Trichlorofluoromethane	101	6.937	6.932	0.005	98	82571	0.4254	0.4682	
15 Pentane	43	7.140	7.140	0.000	96	75542	0.4254	0.4979	
16 Ethanol	45	7.317	7.301	0.016	97	176229	4.26	4.12	
18 Ethyl ether	59	7.568	7.552	0.016	97	25572	0.4254	0.4590	
19 Acrolein	56	7.804	7.788	0.016	97	15712	0.4981	0.5756	
20 1,1-Dichloroethene	96	7.996	7.991	0.005	93	28290	0.4254	0.4411	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	92	62163	0.4254	0.4627	
22 Acetone	43	8.087	8.060	0.027	99	81680	0.4254	0.6804	
23 Isopropyl alcohol	45	8.376	8.355	0.021	100	292939	0.4930	2.39	
24 Carbon disulfide	76	8.392	8.397	-0.005	100	91566	0.4254	0.4867	
25 Acetonitrile	41	8.574	8.558	0.016	98	30073	0.4254	0.4879	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	96	49269	0.4254	0.4635	
27 Methylene Chloride	49	8.911	8.911	0.000	99	44816	0.4254	0.5192	
28 2-Methyl-2-propanol	59	9.152	9.120	0.032	98	69590	0.4254	0.4686	
29 Acrylonitrile	53	9.318	9.302	0.016	92	23778	0.4254	0.4661	
30 trans-1,2-Dichloroethene	61	9.414	9.414	0.000	95	48330	0.4254	0.4608	
31 Methyl tert-butyl ether	73	9.441	9.419	0.022	97	91449	0.4254	0.4625	
32 Hexane	57	9.927	9.927	0.000	93	53039	0.4254	0.4780	
33 1,1-Dichloroethane	63	10.174	10.174	0.000	99	60408	0.4254	0.4714	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.190	10.179	0.011	100	65515	0.4845	0.3990	
S 35 1,2-Dichloroethene, Total	61				0		0.8508	0.9032	
36 2-Butanone (MEK)	72	11.153	11.137	0.017	100	15081	0.4254	0.4555	
37 cis-1,2-Dichloroethene	96	11.169	11.169	0.000	98	30229	0.4254	0.4424	
38 Ethyl acetate	88	11.233	11.222	0.011	98	2750	0.4254	0.5039	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	96	641834	10.0	10.0	
40 Tetrahydrofuran	42	11.639	11.623	0.016	94	43313	0.4254	0.5100	
41 Chloroform	83	11.752	11.752	0.000	97	67624	0.4254	0.4680	
42 1,1,1-Trichloroethane	97	12.062	12.067	-0.005	98	68592	0.4254	0.4672	
43 Cyclohexane	84	12.206	12.212	-0.006	94	39571	0.4254	0.4601	
44 Carbon tetrachloride	117	12.346	12.346	0.000	96	64785	0.4254	0.4593	
45 Benzene	78	12.688	12.688	0.000	98	99056	0.4254	0.4753	
46 1,2-Dichloroethane	62	12.757	12.757	0.000	92	48120	0.4254	0.4542	
47 Isooctane	57	12.913	12.913	0.000	97	168938	0.4254	0.4783	
48 n-Heptane	43	13.218	13.218	0.000	97	69276	0.4254	0.4748	
* 49 1,4-Difluorobenzene	114	13.416	13.416	0.000	97	3217167	10.0	10.0	
50 n-Butanol	56	13.651	13.635	0.016	94	23654	0.4254	0.4466	Ma
51 Trichloroethene	95	13.849	13.854	-0.005	91	41809	0.4254	0.4702	
53 1,2-Dichloropropane	63	14.304	14.304	0.000	90	38652	0.4254	0.4721	
54 Methyl methacrylate	69	14.400	14.395	0.006	91	33590	0.4254	0.4499	
55 1,4-Dioxane	88	14.453	14.432	0.021	64	20336	0.4254	0.4698	
57 Dibromomethane	174	14.453	14.459	-0.006	90	31372	0.4254	0.4631	
58 Dichlorobromomethane	83	14.764	14.769	-0.005	97	71305	0.4254	0.4579	
59 cis-1,3-Dichloropropene	75	15.571	15.571	0.000	99	62744	0.4254	0.4531	
61 4-Methyl-2-pentanone (MIBK)	43	15.844	15.834	0.010	97	85649	0.4254	0.4668	
62 Toluene	92	16.219	16.219	0.000	93	65233	0.4254	0.4634	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	292922	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	96	96629	0.4254	0.4804	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	353152	NC	NC	
66 trans-1,3-Dichloropropene	75	16.620	16.620	0.000	97	52140	0.4254	0.4533	
67 1,1,2-Trichloroethane	83	16.995	16.995	0.000	97	33556	0.4254	0.4570	
68 Tetrachloroethene	166	17.208	17.208	0.000	89	44224	0.4254	0.4614	
69 2-Hexanone	43	17.417	17.406	0.011	91	80442	0.4254	0.4589	
70 Chlorodibromomethane	129	17.733	17.733	0.000	96	58951	0.4254	0.4425	
71 Ethylene Dibromide	107	17.974	17.974	0.000	97	57538	0.4254	0.4589	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	92	2835153	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	92	83985	0.4254	0.4707	
75 Ethylbenzene	91	19.140	19.140	0.000	100	152775	0.4254	0.4804	
76 m-Xylene & p-Xylene	106	19.402	19.402	0.000	0	108454	0.8508	0.9568	
77 n-Nonane	57	19.466	19.471	-0.005	95	81934	0.4254	0.4793	
S 80 Xylenes, Total	106				0		1.28	1.43	
78 o-Xylene	106	20.172	20.172	0.000	97	52954	0.4254	0.4768	
79 Styrene	104	20.204	20.204	0.000	98	86141	0.4254	0.4698	
81 Bromoform	173	20.541	20.541	0.000	92	47962	0.4254	0.4369	
82 Isopropylbenzene	105	20.862	20.857	0.005	99	163606	0.4254	0.4830	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	98	93145	0.4254	0.4822	
84 1,2,3-Trichloropropane	75	21.456	21.462	-0.006	98	78526	0.4254	0.5068	
85 N-Propylbenzene	91	21.569	21.569	0.000	98	210106	0.4254	0.4930	
86 2-Chlorotoluene	91	21.713	21.713	0.000	96	132939	0.4254	0.4858	
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	165542	0.4254	0.4972	
88 1,3,5-Trimethylbenzene	105	21.852	21.857	-0.005	91	142567	0.4254	0.4989	
89 n-Decane	57	21.890	21.890	0.000	90	109439	0.4254	0.5197	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.178	22.178	0.000	83	66743	0.4254	0.4672	
91 tert-Butylbenzene	119	22.334	22.334	0.000	89	128150	0.4254	0.4882	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	98	148841	0.4254	0.5083	
93 sec-Butylbenzene	105	22.655	22.655	0.000	98	206361	0.4254	0.5031	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	97	89568	0.4254	0.4966	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	96	171717	0.4254	0.5033	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	90	90049	0.4254	0.4988	
97 Benzyl chloride	91	23.109	23.109	0.000	97	160124	0.4254	0.5167	
98 n-Butylbenzene	91	23.425	23.425	0.000	98	190275	0.4254	0.5176	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	92	89291	0.4254	0.5125	
100 Undecane	57	23.575	23.575	0.000	96	134435	0.4254	0.5756	
101 Dodecane	57	25.164	25.164	0.000	94	162813	0.4254	0.6770	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	92	96019	0.4990	0.7201	
103 Hexachlorobutadiene	225	26.153	26.159	-0.006	92	69369	0.4781	0.6355	
104 Naphthalene	128	26.389	26.389	0.000	98	290773	0.5058	0.8024	
105 1,2,3-Trichlorobenzene	180	26.801	26.806	-0.005	93	113782	0.4956	0.8407	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- a - User Assigned ID

Reagents:

ATTO15CAL2w_00352	Amount Added: 170.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

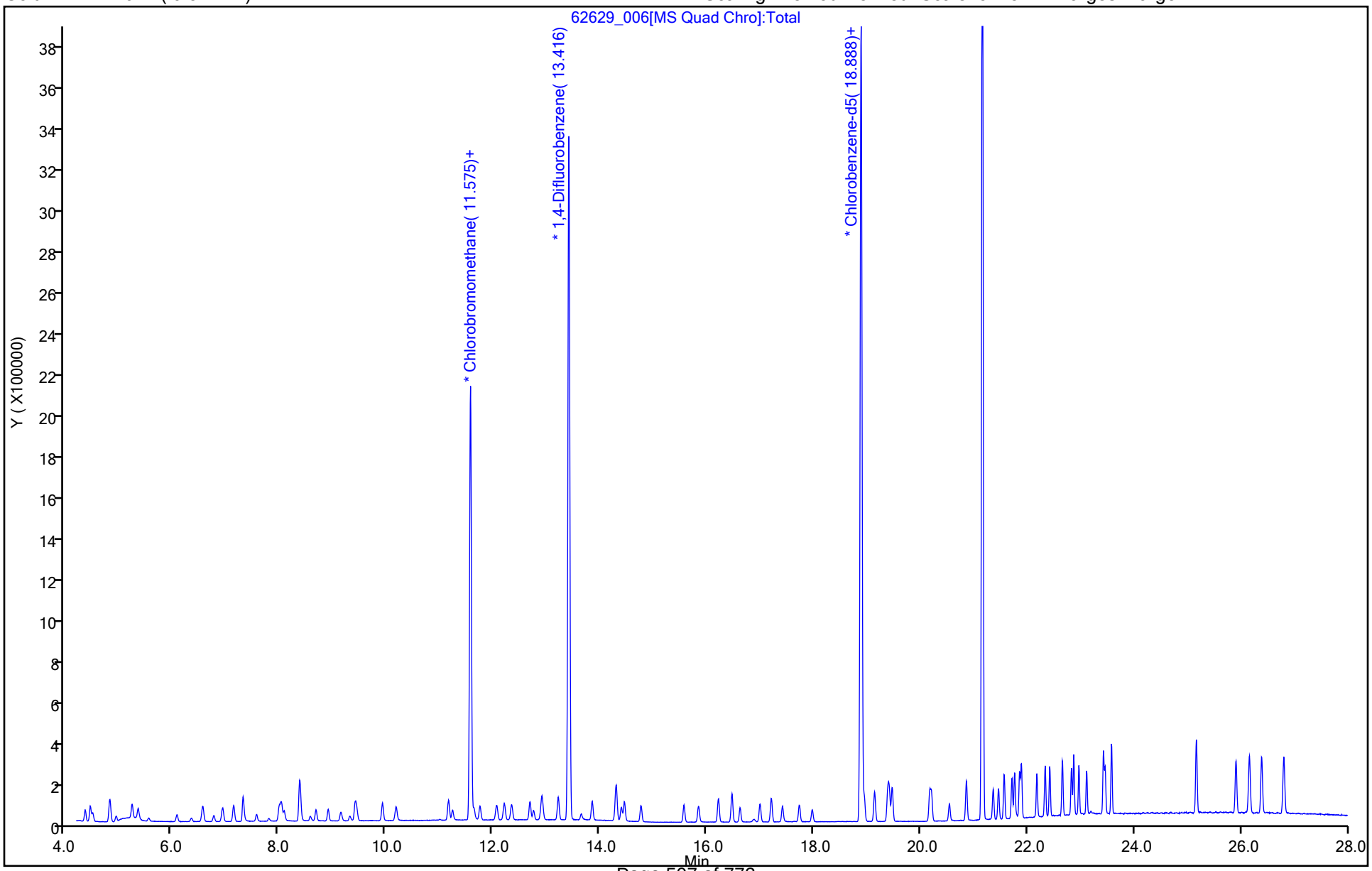
Report Date: 28-Oct-2024 10:23:09 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_006.D

Injection Date:	25-Oct-2024 19:59:26	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

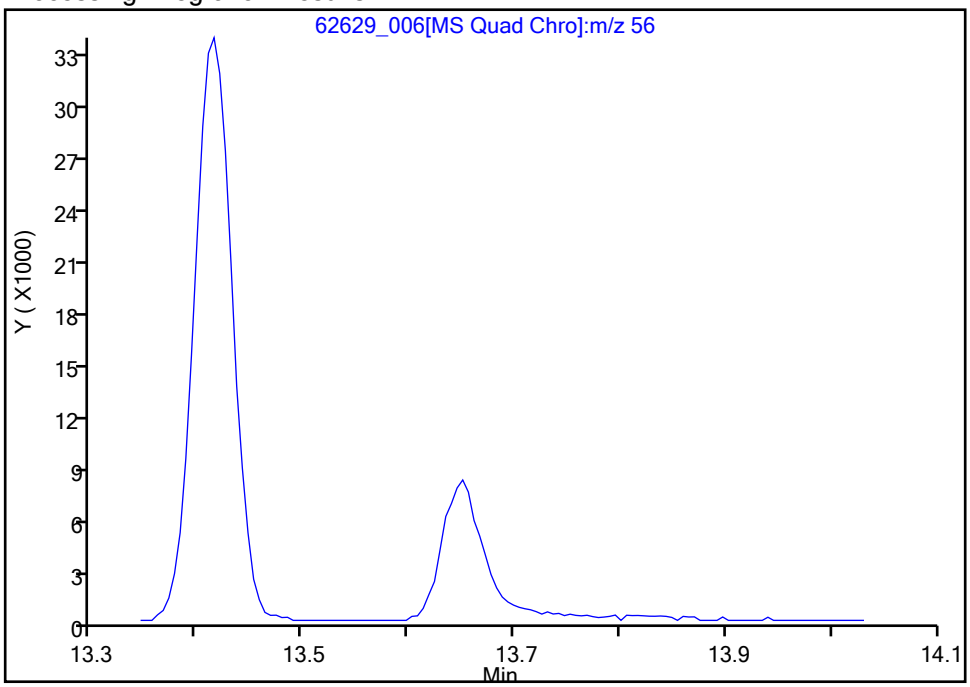
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_006.D				
Injection Date:	25-Oct-2024 19:59:26	Instrument ID:	CHAN.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Signal: 1

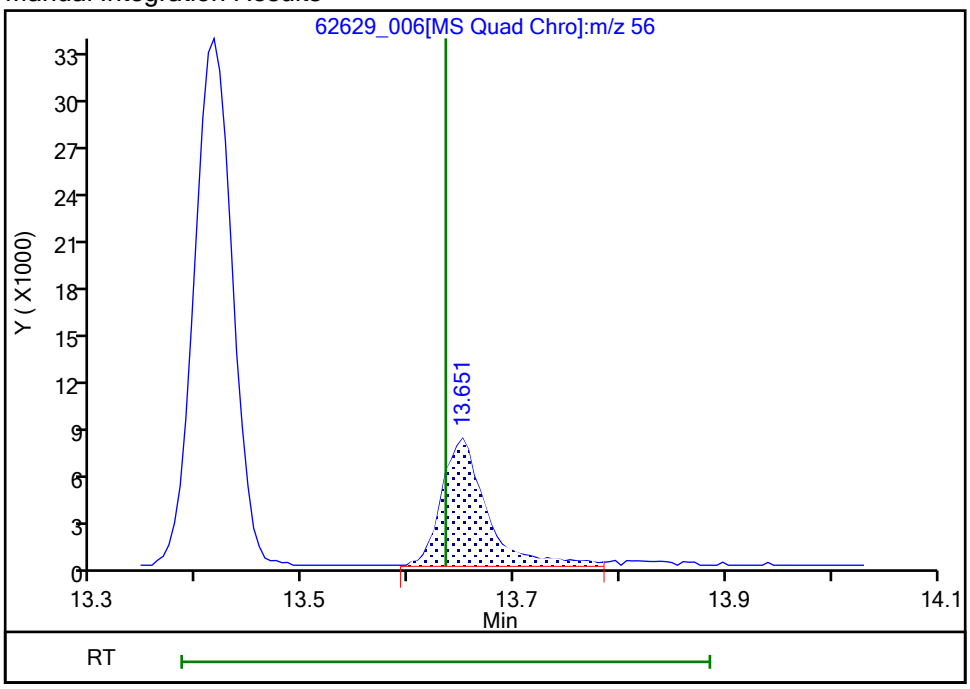
Not Detected
Expected RT: 13.63

Processing Integration Results



Manual Integration Results

RT: 13.65
Area: 23654
Amount: 0.446557
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 10:44:13 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_008.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 25-Oct-2024 21:44:48 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-008
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:23:03 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 26-Oct-2024 10:39:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	99	872830	10.0	9.84	
2 Dichlorodifluoromethane	85	4.460	4.460	0.000	100	2134264	10.0	9.54	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	98	1506368	10.0	9.59	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	98	2165252	10.0	9.21	
5 Chloromethane	50	4.941	4.941	0.000	99	865830	10.0	9.42	
6 Vinyl chloride	62	5.236	5.236	0.000	100	650373	10.0	8.67	
7 Butane	43	5.241	5.241	0.000	97	1151990	10.0	9.34	
8 Butadiene	54	5.353	5.353	0.000	96	516827	10.0	8.29	
9 Bromomethane	94	6.081	6.081	0.000	99	670242	10.0	9.13	
10 Chloroethane	64	6.348	6.348	0.000	100	444707	10.0	9.39	
12 2-Methylbutane	43	6.562	6.562	0.000	95	1099717	10.0	9.13	
13 Vinyl bromide	106	6.771	6.771	0.000	99	608920	10.0	9.18	
14 Trichlorofluoromethane	101	6.932	6.932	0.000	98	1784487	10.0	9.11	
15 Pentane	43	7.140	7.140	0.000	96	1593916	10.0	9.45	
16 Ethanol	45	7.301	7.301	0.000	97	603320	15.0	12.7	
18 Ethyl ether	59	7.552	7.552	0.000	98	563332	10.0	9.10	
19 Acrolein	56	7.788	7.788	0.000	97	341258	11.7	11.3	
20 1,1-Dichloroethene	96	7.991	7.991	0.000	92	646259	10.0	9.07	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	92	1363984	10.0	9.14	
22 Acetone	43	8.060	8.060	0.000	99	1310890	10.0	9.83	
23 Isopropyl alcohol	45	8.355	8.355	0.000	100	1544896	11.6	11.4	
24 Carbon disulfide	76	8.397	8.397	0.000	100	1971848	10.0	9.43	
25 Acetonitrile	41	8.558	8.558	0.000	98	640718	10.0	9.35	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	96	1075120	10.0	9.10	
27 Methylene Chloride	49	8.911	8.911	0.000	99	894581	10.0	9.33	
28 2-Methyl-2-propanol	59	9.120	9.120	0.000	98	1609900	10.0	9.75	
29 Acrylonitrile	53	9.302	9.302	0.000	93	537358	10.0	9.48	
30 trans-1,2-Dichloroethene	61	9.414	9.414	0.000	93	1046107	10.0	8.98	
31 Methyl tert-butyl ether	73	9.419	9.419	0.000	97	2004439	10.0	9.12	
32 Hexane	57	9.927	9.927	0.000	93	1121769	10.0	9.10	
33 1,1-Dichloroethane	63	10.174	10.174	0.000	99	1310648	10.0	9.20	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.179	10.179	0.000	100	2021439	11.4	11.1	
S 35 1,2-Dichloroethene, Total	61				0		20.0	18.0	
36 2-Butanone (MEK)	72	11.137	11.137	0.000	100	353505	10.0	9.61	
37 cis-1,2-Dichloroethene	96	11.169	11.169	0.000	97	682936	10.0	8.99	
38 Ethyl acetate	88	11.222	11.222	0.000	99	58864	10.0	9.71	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	713216	10.0	10.0	
40 Tetrahydrofuran	42	11.623	11.623	0.000	94	915728	10.0	9.79	
41 Chloroform	83	11.752	11.752	0.000	97	1473508	10.0	9.18	
42 1,1,1-Trichloroethane	97	12.067	12.067	0.000	98	1490505	10.0	9.22	
43 Cyclohexane	84	12.212	12.212	0.000	94	871060	10.0	9.19	
44 Carbon tetrachloride	117	12.346	12.346	0.000	96	1451137	10.0	9.34	
45 Benzene	78	12.688	12.688	0.000	98	2079184	10.0	9.06	
46 1,2-Dichloroethane	62	12.757	12.757	0.000	92	1077839	10.0	9.24	
47 Isooctane	57	12.913	12.913	0.000	97	3606258	10.0	9.27	
48 n-Heptane	43	13.218	13.218	0.000	96	1475648	10.0	9.18	
* 49 1,4-Difluorobenzene	114	13.416	13.416	0.000	97	3544035	10.0	10.0	
50 n-Butanol	56	13.635	13.635	0.000	94	567723	10.0	9.73	Ma
51 Trichloroethene	95	13.854	13.854	0.000	92	917001	10.0	9.36	
53 1,2-Dichloropropane	63	14.304	14.304	0.000	89	830420	10.0	9.21	
54 Methyl methacrylate	69	14.395	14.395	0.000	90	797505	10.0	9.70	
55 1,4-Dioxane	88	14.432	14.432	0.000	98	437992	10.0	9.18	
57 Dibromomethane	174	14.459	14.459	0.000	90	672486	10.0	9.01	
58 Dichlorobromomethane	83	14.769	14.769	0.000	98	1611697	10.0	9.39	
59 cis-1,3-Dichloropropene	75	15.571	15.571	0.000	98	1433879	10.0	9.40	
61 4-Methyl-2-pentanone (MIBK)	43	15.834	15.834	0.000	97	1971833	10.0	9.76	
62 Toluene	92	16.219	16.219	0.000	93	1431053	10.0	9.13	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	6246153	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	95	2062537	10.0	9.31	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	7518320	NC	NC	
66 trans-1,3-Dichloropropene	75	16.620	16.620	0.000	97	1186043	10.0	9.36	
67 1,1,2-Trichloroethane	83	16.995	16.995	0.000	97	754362	10.0	9.22	
68 Tetrachloroethene	166	17.208	17.208	0.000	90	987708	10.0	9.25	
69 2-Hexanone	43	17.406	17.406	0.000	92	1899535	10.0	9.73	
70 Chlorodibromomethane	129	17.733	17.733	0.000	97	1415035	10.0	9.54	
71 Ethylene Dibromide	107	17.974	17.974	0.000	98	1292009	10.0	9.25	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	92	3158152	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	90	1813364	10.0	9.12	
75 Ethylbenzene	91	19.140	19.140	0.000	100	3258755	10.0	9.20	
76 m-Xylene & p-Xylene	106	19.402	19.402	0.000	0	2317338	20.0	18.4	
77 n-Nonane	57	19.471	19.471	0.000	93	1741741	10.0	9.15	
S 80 Xylenes, Total	106				0		30.0	27.5	
78 o-Xylene	106	20.172	20.172	0.000	97	1129326	10.0	9.13	
79 Styrene	104	20.204	20.204	0.000	98	1882866	10.0	9.22	
81 Bromoform	173	20.541	20.541	0.000	92	1166031	10.0	9.53	
82 Isopropylbenzene	105	20.857	20.857	0.000	98	3491432	10.0	9.25	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	99	1966353	10.0	9.14	
84 1,2,3-Trichloropropane	75	21.462	21.462	0.000	98	1634307	10.0	9.47	
85 N-Propylbenzene	91	21.569	21.569	0.000	98	4395205	10.0	9.26	
86 2-Chlorotoluene	91	21.713	21.713	0.000	97	2774878	10.0	9.10	
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	3412011	10.0	9.20	
88 1,3,5-Trimethylbenzene	105	21.857	21.857	0.000	91	2910431	10.0	9.14	
89 n-Decane	57	21.890	21.890	0.000	90	2252601	10.0	9.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.178	22.178	0.000	83	1490646	10.0	9.37	
91 tert-Butylbenzene	119	22.334	22.334	0.000	89	2688337	10.0	9.19	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	99	2961761	10.0	9.08	
93 sec-Butylbenzene	105	22.655	22.655	0.000	98	4225435	10.0	9.25	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	97	1826968	10.0	9.09	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	96	3500159	10.0	9.21	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	90	1826839	10.0	9.08	
97 Benzyl chloride	91	23.109	23.109	0.000	97	3096967	10.0	8.97	
98 n-Butylbenzene	91	23.425	23.425	0.000	98	3735954	10.0	9.12	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	92	1734351	10.0	8.94	
100 Undecane	57	23.575	23.575	0.000	96	2642875	10.0	10.2	
101 Dodecane	57	25.164	25.164	0.000	94	2699437	10.0	10.1	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	95	1566156	11.7	10.5	
103 Hexachlorobutadiene	225	26.159	26.159	0.000	92	1199869	11.2	9.87	
104 Naphthalene	128	26.389	26.389	0.000	98	4087669	11.9	10.1	
105 1,2,3-Trichlorobenzene	180	26.806	26.806	0.000	93	1500317	11.6	9.95	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- a - User Assigned ID

Reagents:

ATTO15CAL4w_00830	Amount Added: 200.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

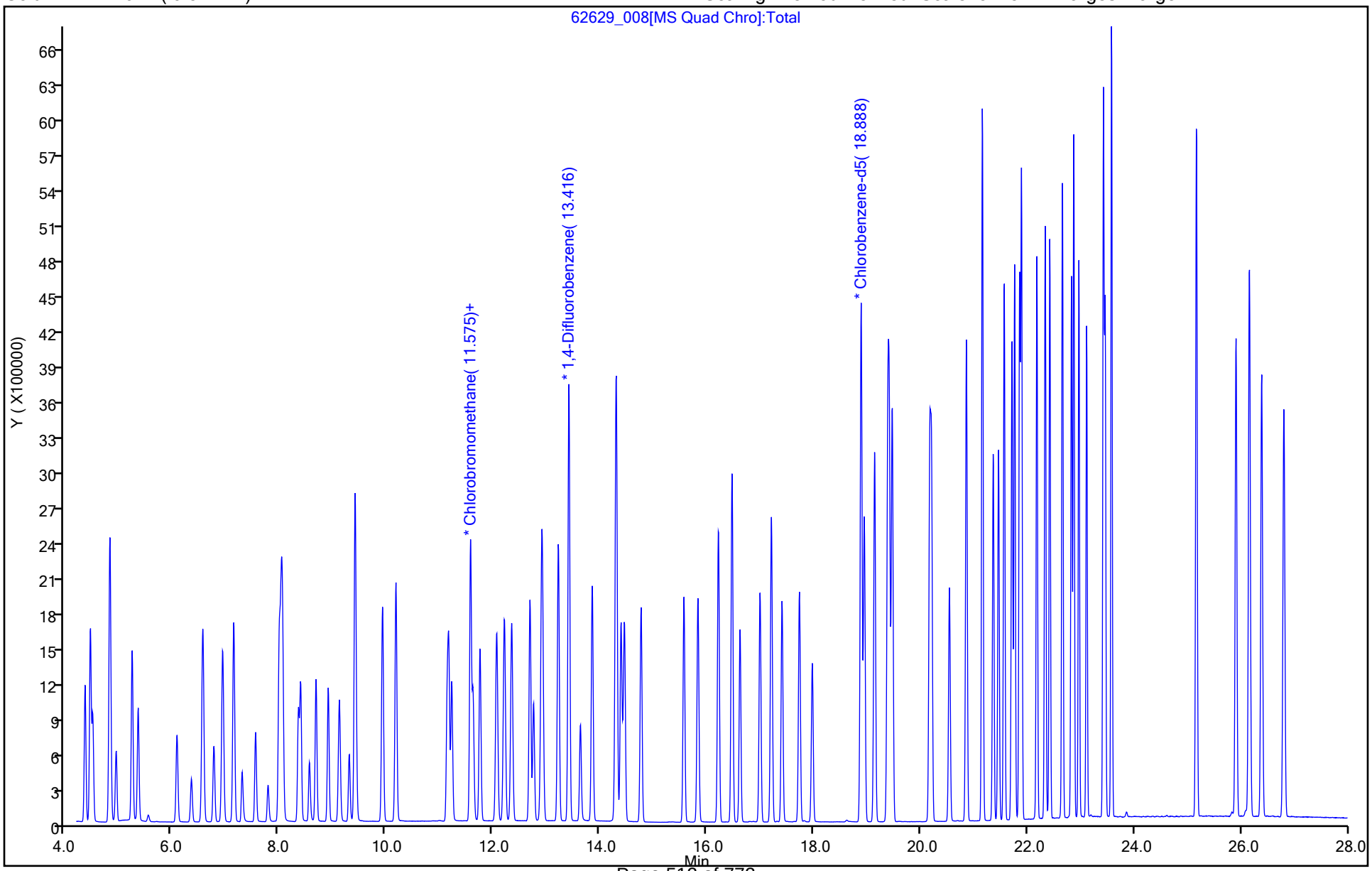
Report Date: 28-Oct-2024 10:23:04 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_008.D

Injection Date:	25-Oct-2024 21:44:48	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	icis			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

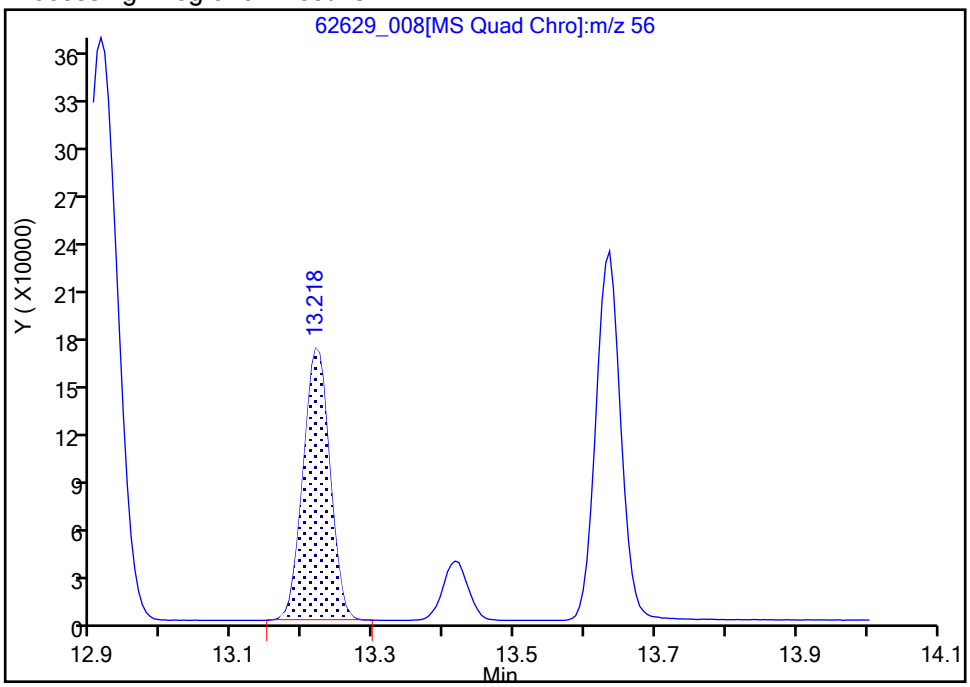
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_008.D				
Injection Date:	25-Oct-2024 21:44:48	Instrument ID:	CHAN.i		
Lims ID:	icis				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Signal: 1

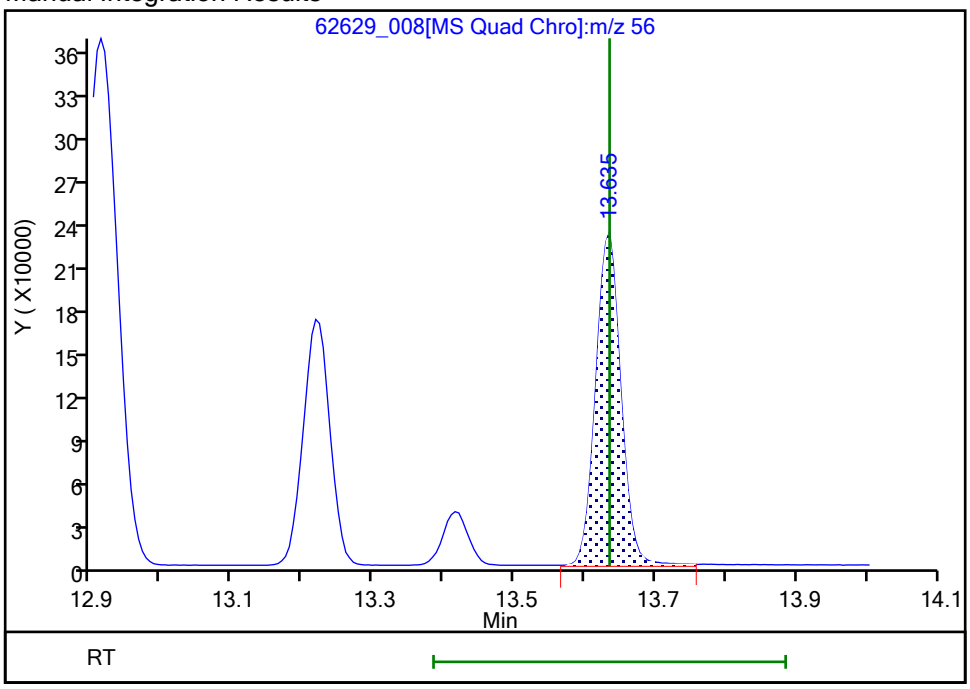
Processing Integration Results

RT: 13.22
Area: 447358
Amount: 8.912132
Amount Units: ppb v/v



Manual Integration Results

RT: 13.63
Area: 567723
Amount: 9.729367
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 10:39:39 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_009.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Oct-2024 22:36:09 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-009
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:23:11 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 28-Oct-2024 10:06:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	98	1257564	15.0	15.2	
2 Dichlorodifluoromethane	85	4.460	4.460	0.000	100	3088400	15.0	14.8	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	97	2166008	15.0	14.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	97	3152624	15.0	14.4	
5 Chloromethane	50	4.942	4.941	0.001	99	1269936	15.0	14.9	
6 Vinyl chloride	62	5.236	5.236	0.000	100	960376	15.0	13.8	
7 Butane	43	5.241	5.241	0.000	97	1697616	15.0	14.8	
8 Butadiene	54	5.354	5.353	0.001	96	767105	15.0	13.2	
9 Bromomethane	94	6.081	6.081	0.000	98	997809	15.0	14.6	
10 Chloroethane	64	6.349	6.348	0.001	100	659950	15.0	15.0	
12 2-Methylbutane	43	6.563	6.562	0.001	94	1604205	15.0	14.3	
13 Vinyl bromide	106	6.771	6.771	0.000	99	903188	15.0	14.6	
14 Trichlorofluoromethane	101	6.937	6.932	0.005	98	2634657	15.0	14.5	
15 Pentane	43	7.140	7.140	0.000	96	2324834	15.0	14.8	
16 Ethanol	45	7.295	7.301	-0.006	98	1403113	20.0	31.7	
18 Ethyl ether	59	7.547	7.552	-0.005	97	836715	15.0	14.5	
19 Acrolein	56	7.782	7.788	-0.006	97	501652	17.6	17.8	
20 1,1-Dichloroethene	96	7.991	7.991	0.000	92	950178	15.0	14.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	92	2006847	15.0	14.4	
22 Acetone	43	8.060	8.060	0.000	99	1898587	15.0	15.3	
23 Isopropyl alcohol	45	8.349	8.355	-0.006	100	2265197	17.4	17.9	
24 Carbon disulfide	76	8.398	8.397	0.001	100	2917848	15.0	15.0	
25 Acetonitrile	41	8.558	8.558	0.000	98	951585	15.0	14.9	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	96	1579300	15.0	14.4	
27 Methylene Chloride	49	8.911	8.911	0.000	99	1308302	15.0	14.7	
28 2-Methyl-2-propanol	59	9.114	9.120	-0.006	99	2367870	15.0	15.4	
29 Acrylonitrile	53	9.302	9.302	0.000	94	797655	15.0	15.1	
30 trans-1,2-Dichloroethene	61	9.409	9.414	-0.005	93	1532980	15.0	14.1	
31 Methyl tert-butyl ether	73	9.419	9.419	0.000	97	2935060	15.0	14.4	
32 Hexane	57	9.928	9.927	0.001	93	1654491	15.0	14.4	
33 1,1-Dichloroethane	63	10.174	10.174	0.000	100	1912109	15.0	14.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.179	10.179	0.000	100	3014743	17.1	17.8	
S 35 1,2-Dichloroethene, Total	61				0		30.0	28.3	
36 2-Butanone (MEK)	72	11.137	11.137	0.001	100	520329	15.0	15.2	
37 cis-1,2-Dichloroethene	96	11.169	11.169	0.000	97	999764	15.0	14.2	
38 Ethyl acetate	88	11.222	11.222	0.000	99	87699	15.0	15.5	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	96	663568	10.0	10.0	
40 Tetrahydrofuran	42	11.618	11.623	-0.005	93	1354472	15.0	15.4	
41 Chloroform	83	11.752	11.752	0.000	97	2164089	15.0	14.5	
42 1,1,1-Trichloroethane	97	12.067	12.067	0.000	97	2174452	15.0	14.3	
43 Cyclohexane	84	12.212	12.212	0.000	98	1285132	15.0	14.4	
44 Carbon tetrachloride	117	12.346	12.346	0.000	96	2134800	15.0	14.6	
45 Benzene	78	12.688	12.688	0.000	98	3054019	15.0	14.2	
46 1,2-Dichloroethane	62	12.758	12.757	0.001	92	1584508	15.0	14.4	
47 Isooctane	57	12.913	12.913	0.000	98	5265491	15.0	14.4	
48 n-Heptane	43	13.218	13.218	0.000	97	2154220	15.0	14.3	Ma
* 49 1,4-Difluorobenzene	114	13.416	13.416	0.000	97	3331202	10.0	10.0	
50 n-Butanol	56	13.630	13.635	-0.005	94	851683	15.0	15.5	Ma
51 Trichloroethene	95	13.854	13.854	0.000	92	1357685	15.0	14.7	
53 1,2-Dichloropropane	63	14.304	14.304	0.000	89	1215522	15.0	14.3	
54 Methyl methacrylate	69	14.395	14.395	0.001	91	1174742	15.0	15.2	
55 1,4-Dioxane	88	14.432	14.432	0.000	98	632767	15.0	14.1	
57 Dibromomethane	174	14.459	14.459	0.000	90	988083	15.0	14.1	
58 Dichlorobromomethane	83	14.769	14.769	0.000	98	2376670	15.0	14.7	
59 cis-1,3-Dichloropropene	75	15.572	15.571	0.001	98	2109038	15.0	14.7	
61 4-Methyl-2-pentanone (MIBK)	43	15.834	15.834	0.000	97	2866483	15.0	15.1	
62 Toluene	92	16.219	16.219	0.000	93	2105053	15.0	14.4	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	9110568	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	95	2983111	15.0	14.3	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	10921840	NC	NC	
66 trans-1,3-Dichloropropene	75	16.620	16.620	0.000	97	1742067	15.0	14.6	
67 1,1,2-Trichloroethane	83	16.995	16.995	0.001	97	1113727	15.0	14.6	
68 Tetrachloroethene	166	17.209	17.208	0.001	90	1456958	15.0	14.6	
69 2-Hexanone	43	17.407	17.406	0.001	92	2752573	15.0	15.1	
70 Chlorodibromomethane	129	17.733	17.733	0.000	97	2118249	15.0	15.3	
71 Ethylene Dibromide	107	17.974	17.974	0.000	98	1911103	15.0	14.6	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	91	2952996	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	89	2663121	15.0	14.3	
75 Ethylbenzene	91	19.140	19.140	0.000	100	4752825	15.0	14.3	
76 m-Xylene & p-Xylene	106	19.402	19.402	0.000	0	3363631	30.0	28.5	
77 n-Nonane	57	19.472	19.471	0.001	93	2544998	15.0	14.3	
S 80 Xylenes, Total	106				0		45.0	42.8	
78 o-Xylene	106	20.172	20.172	0.000	98	1655518	15.0	14.3	
79 Styrene	104	20.204	20.204	0.000	98	2762480	15.0	14.5	
81 Bromoform	173	20.542	20.541	0.001	92	1813115	15.0	15.9	
82 Isopropylbenzene	105	20.857	20.857	0.000	98	5055848	15.0	14.3	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	99	2888949	15.0	14.4	
84 1,2,3-Trichloropropane	75	21.462	21.462	0.000	97	2395374	15.0	14.8	
85 N-Propylbenzene	91	21.569	21.569	0.000	98	6323959	15.0	14.2	
86 2-Chlorotoluene	91	21.713	21.713	0.000	97	4030462	15.0	14.1	
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	4938364	15.0	14.2	
88 1,3,5-Trimethylbenzene	105	21.852	21.857	-0.005	91	4213485	15.0	14.2	
89 n-Decane	57	21.890	21.890	0.000	91	3239752	15.0	14.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.179	22.178	0.001	83	2173259	15.0	14.6	
91 tert-Butylbenzene	119	22.334	22.334	0.000	89	3882532	15.0	14.2	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	99	4243273	15.0	13.9	
93 sec-Butylbenzene	105	22.660	22.655	0.005	97	6005515	15.0	14.1	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	97	2649391	15.0	14.1	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	96	4987787	15.0	14.0	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	89	2640695	15.0	14.0	
97 Benzyl chloride	91	23.109	23.109	0.000	97	4505462	15.0	14.0	
98 n-Butylbenzene	91	23.425	23.425	0.000	98	5314357	15.0	13.9	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	92	2520117	15.0	13.9	
100 Undecane	57	23.575	23.575	0.000	96	3719276	15.0	15.3	
101 Dodecane	57	25.164	25.164	0.000	94	3699387	15.0	14.8	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	93	2226251	17.6	16.0	
103 Hexachlorobutadiene	225	26.159	26.159	0.000	91	1712845	16.9	15.1	
104 Naphthalene	128	26.389	26.389	0.000	98	5635106	17.8	14.9	
105 1,2,3-Trichlorobenzene	180	26.801	26.806	-0.005	93	2120769	17.5	15.0	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

ATTO15CAL5w_00149	Amount Added: 200.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

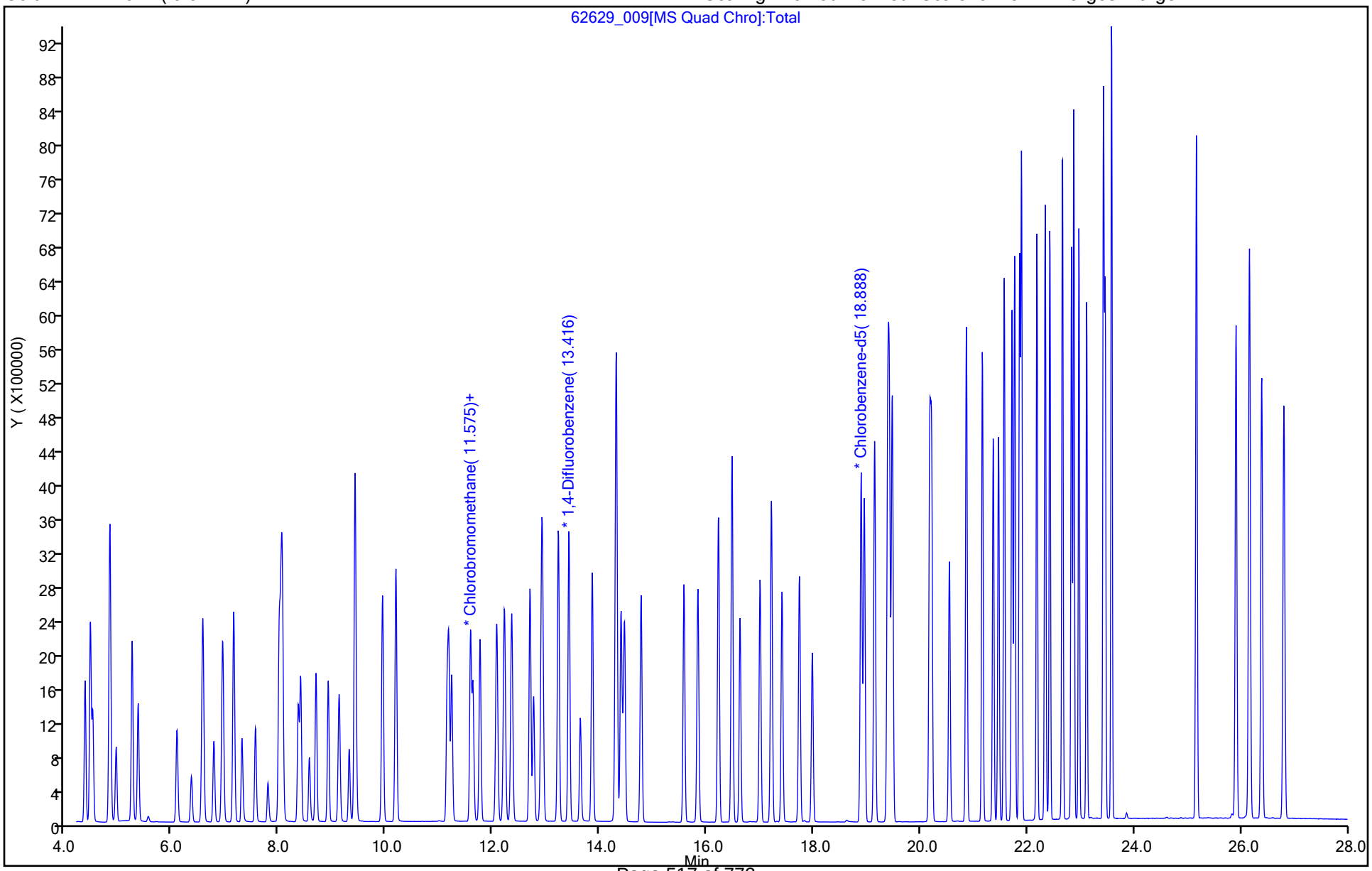
Report Date: 28-Oct-2024 10:23:11 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_009.D

Injection Date:	25-Oct-2024 22:36:09	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

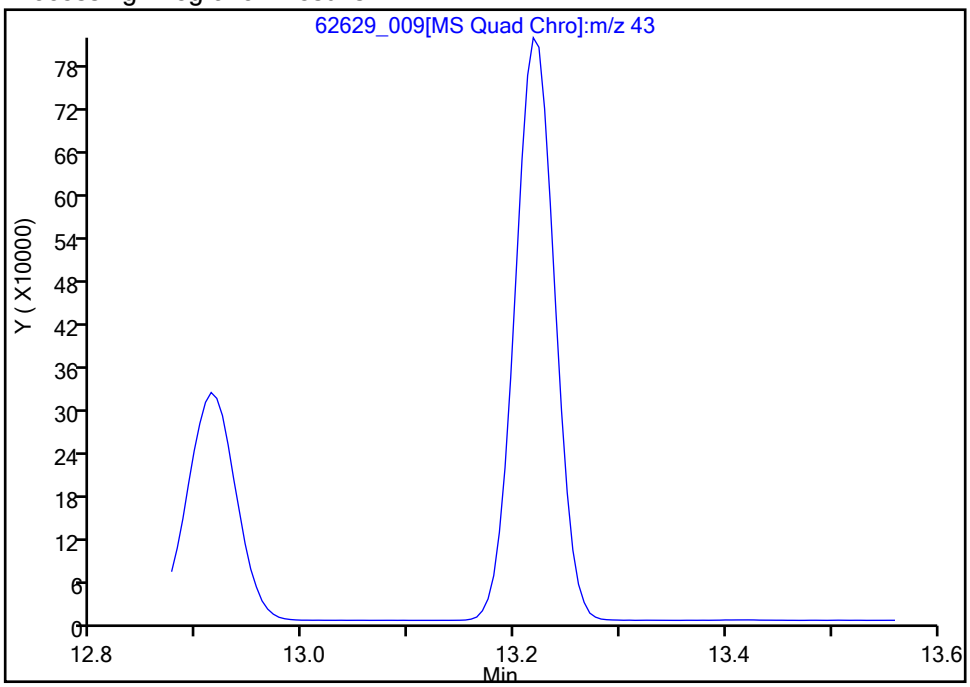
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_009.D				
Injection Date:	25-Oct-2024 22:36:09	Instrument ID:	CHAN.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5

Signal: 1

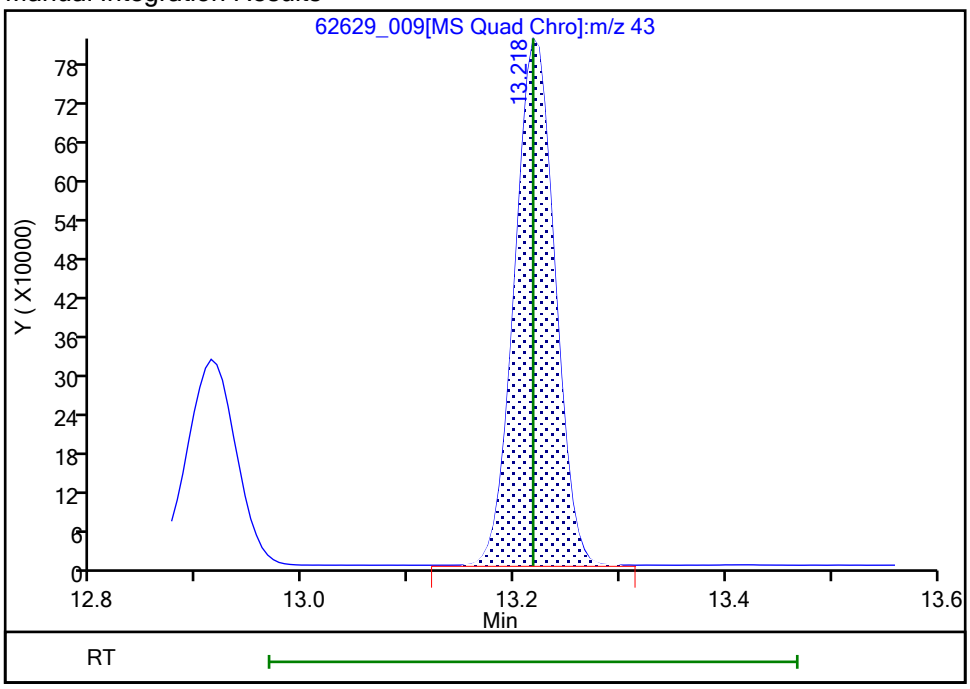
Not Detected
Expected RT: 13.22

Processing Integration Results



Manual Integration Results

RT: 13.22
Area: 2154220
Amount: 14.258267
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 11:01:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Burlington

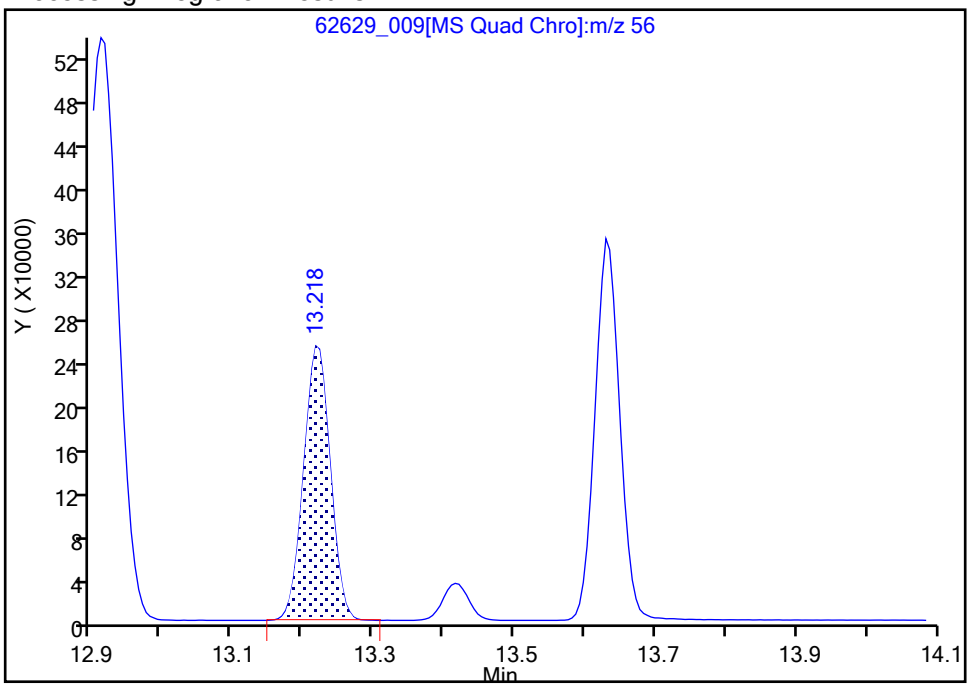
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_009.D				
Injection Date:	25-Oct-2024 22:36:09	Instrument ID:	CHAN.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Signal: 1

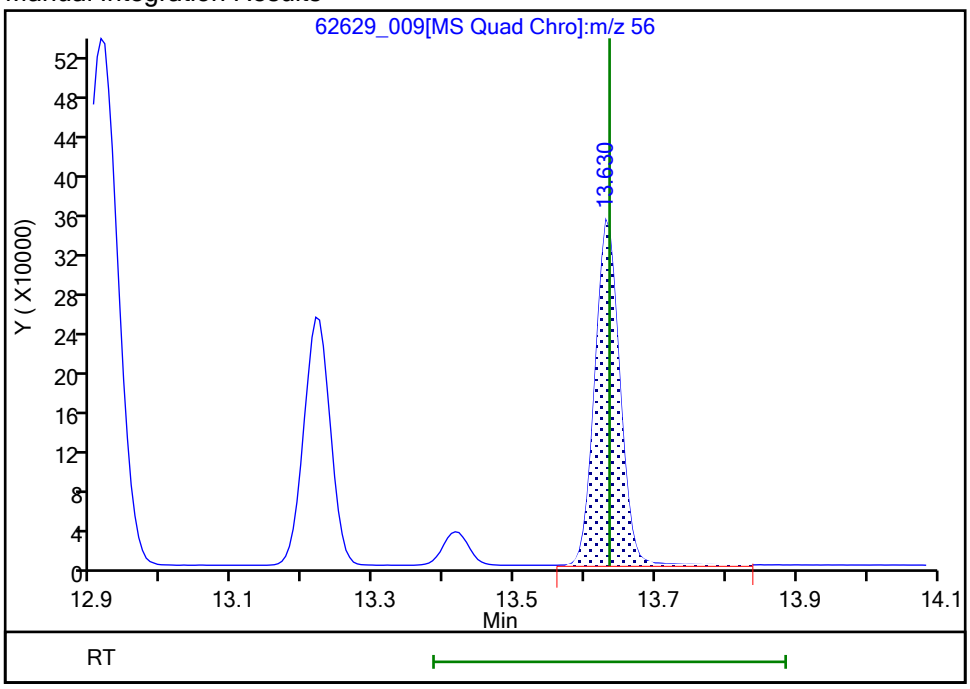
Processing Integration Results

RT: 13.22
Area: 655092
Amount: 13.279973
Amount Units: ppb v/v



Manual Integration Results

RT: 13.63
Area: 851683
Amount: 15.528272
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 11:01:45 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_012.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Oct-2024 01:11:21 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-012
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:23:13 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 26-Oct-2024 11:03:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	98	1659734	20.0	20.4	
2 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	4041968	20.0	19.7	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	97	2848476	20.0	19.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	98	4130408	20.0	19.2	
5 Chloromethane	50	4.942	4.941	0.001	99	1664974	20.0	19.8	
6 Vinyl chloride	62	5.236	5.236	0.000	100	1243418	20.0	18.1	
7 Butane	43	5.241	5.241	0.000	97	2195974	20.0	19.5	
8 Butadiene	54	5.354	5.353	0.001	96	998937	20.0	17.5	
9 Bromomethane	94	6.081	6.081	0.000	98	1283041	20.0	19.1	
10 Chloroethane	64	6.349	6.348	0.001	100	850652	20.0	19.6	
12 2-Methylbutane	43	6.563	6.562	0.001	94	2070288	20.0	18.8	
13 Vinyl bromide	106	6.771	6.771	0.000	98	1163397	20.0	19.2	
14 Trichlorofluoromethane	101	6.937	6.932	0.005	98	3413462	20.0	19.0	
15 Pentane	43	7.140	7.140	0.000	96	2990266	20.0	19.4	
16 Ethanol	45	7.295	7.301	-0.006	98	1468713	40.0	33.8	
18 Ethyl ether	59	7.547	7.552	-0.005	98	1079264	20.0	19.0	
19 Acrolein	56	7.782	7.788	-0.006	97	661635	23.4	23.8	
20 1,1-Dichloroethene	96	7.991	7.991	0.000	93	1231093	20.0	18.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	92	2582248	20.0	18.9	
22 Acetone	43	8.055	8.060	-0.005	99	2448250	20.0	20.1	
23 Isopropyl alcohol	45	8.349	8.355	-0.006	100	2887981	23.2	23.2	
24 Carbon disulfide	76	8.398	8.397	0.001	100	3740172	20.0	19.5	
25 Acetonitrile	41	8.558	8.558	0.000	98	1222776	20.0	19.5	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	97	2032664	20.0	18.8	
27 Methylene Chloride	49	8.911	8.911	0.000	99	1684674	20.0	19.2	
28 2-Methyl-2-propanol	59	9.114	9.120	-0.006	99	3045579	20.0	20.2	
29 Acrylonitrile	53	9.302	9.302	0.000	93	1030804	20.0	19.9	
30 trans-1,2-Dichloroethene	61	9.414	9.414	0.000	93	1968780	20.0	18.5	
31 Methyl tert-butyl ether	73	9.414	9.419	-0.005	97	3774507	20.0	18.8	
32 Hexane	57	9.928	9.927	0.001	92	2105385	20.0	18.7	
33 1,1-Dichloroethane	63	10.174	10.174	0.000	100	2442737	20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.179	10.179	0.000	100	3907786	22.8	23.4	
S 35 1,2-Dichloroethene, Total	61				0		40.0	37.0	
36 2-Butanone (MEK)	72	11.137	11.137	0.001	100	674639	20.0	20.0	
37 cis-1,2-Dichloroethene	96	11.169	11.169	0.000	99	1286513	20.0	18.5	
38 Ethyl acetate	88	11.222	11.222	0.000	99	112142	20.0	20.2	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	652781	10.0	10.0	
40 Tetrahydrofuran	42	11.618	11.623	-0.005	93	1732272	20.0	20.1	
41 Chloroform	83	11.752	11.752	0.000	97	2797485	20.0	19.0	
42 1,1,1-Trichloroethane	97	12.067	12.067	0.000	97	2829674	20.0	19.0	
43 Cyclohexane	84	12.212	12.212	0.000	95	1654500	20.0	19.0	
44 Carbon tetrachloride	117	12.346	12.346	0.000	96	2790439	20.0	19.5	
45 Benzene	78	12.688	12.688	0.000	99	3905105	20.0	18.5	
46 1,2-Dichloroethane	62	12.758	12.757	0.001	92	2053045	20.0	19.1	
47 Isooctane	57	12.913	12.913	0.000	97	6688873	20.0	18.7	
48 n-Heptane	43	13.218	13.218	0.000	96	2742722	20.0	18.5	
* 49 1,4-Difluorobenzene	114	13.421	13.416	0.005	97	3264260	10.0	10.0	
50 n-Butanol	56	13.630	13.635	-0.005	94	1082752	20.0	20.1	Ma
51 Trichloroethene	95	13.854	13.854	0.000	92	1747062	20.0	19.4	
53 1,2-Dichloropropane	63	14.304	14.304	0.000	88	1547992	20.0	18.6	
54 Methyl methacrylate	69	14.389	14.395	-0.005	91	1522175	20.0	20.1	
55 1,4-Dioxane	88	14.427	14.432	-0.005	98	805166	20.0	18.3	
57 Dibromomethane	174	14.459	14.459	0.000	90	1283307	20.0	18.7	
58 Dichlorobromomethane	83	14.769	14.769	0.000	98	3081763	20.0	19.5	
59 cis-1,3-Dichloropropene	75	15.572	15.571	0.001	98	2723491	20.0	19.4	
61 4-Methyl-2-pentanone (MIBK)	43	15.828	15.834	-0.006	97	3676582	20.0	19.7	
62 Toluene	92	16.219	16.219	0.000	93	2692055	20.0	18.7	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	11675210	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	94	3773935	20.0	18.5	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	13922891	NC	NC	
66 trans-1,3-Dichloropropene	75	16.620	16.620	0.000	97	2257849	20.0	19.3	
67 1,1,2-Trichloroethane	83	16.995	16.995	0.001	97	1433038	20.0	19.1	
68 Tetrachloroethene	166	17.209	17.208	0.001	94	1885959	20.0	19.3	
69 2-Hexanone	43	17.407	17.406	0.001	92	3567344	20.0	19.9	
70 Chlorodibromomethane	129	17.733	17.733	0.000	97	2767055	20.0	20.3	
71 Ethylene Dibromide	107	17.974	17.974	0.000	98	2471176	20.0	19.3	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	91	2894723	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	89	3421173	20.0	18.8	
75 Ethylbenzene	91	19.140	19.140	0.000	99	6051132	20.0	18.6	
76 m-Xylene & p-Xylene	106	19.402	19.402	0.000	0	4314439	40.0	37.3	
77 n-Nonane	57	19.472	19.471	0.001	93	3226854	20.0	18.5	
S 80 Xylenes, Total	106				0		60.0	56.0	
78 o-Xylene	106	20.172	20.172	0.000	97	2117245	20.0	18.7	
79 Styrene	104	20.210	20.204	0.006	98	3515115	20.0	18.8	
81 Bromoform	173	20.542	20.541	0.001	92	2410174	20.0	21.5	
82 Isopropylbenzene	105	20.857	20.857	0.000	98	6455426	20.0	18.7	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	99	3704577	20.0	18.8	
84 1,2,3-Trichloropropane	75	21.462	21.462	0.000	97	3085507	20.0	19.5	
85 N-Propylbenzene	91	21.569	21.569	0.000	98	7994412	20.0	18.4	
86 2-Chlorotoluene	91	21.713	21.713	0.000	97	5140188	20.0	18.4	
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	6274837	20.0	18.5	
88 1,3,5-Trimethylbenzene	105	21.858	21.857	0.001	91	5382111	20.0	18.4	
89 n-Decane	57	21.890	21.890	0.000	91	4116213	20.0	19.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.179	22.178	0.001	83	2798032	20.0	19.2	
91 tert-Butylbenzene	119	22.334	22.334	0.000	89	4949839	20.0	18.5	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	99	5431080	20.0	18.2	
93 sec-Butylbenzene	105	22.660	22.655	0.005	97	7597445	20.0	18.1	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	97	3411931	20.0	18.5	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	95	6381920	20.0	18.3	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	89	3408454	20.0	18.5	
97 Benzyl chloride	91	23.109	23.109	0.000	97	5800638	20.0	18.3	
98 n-Butylbenzene	91	23.425	23.425	0.000	99	6746305	20.0	18.0	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	91	3239578	20.0	18.2	
100 Undecane	57	23.580	23.575	0.005	95	4800045	20.0	20.1	
101 Dodecane	57	25.169	25.164	0.005	94	5106237	20.0	20.8	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	93	3002214	23.5	22.1	
103 Hexachlorobutadiene	225	26.164	26.159	0.005	91	2262808	22.5	20.3	
104 Naphthalene	128	26.389	26.389	0.000	97	7564616	23.8	20.4	
105 1,2,3-Trichlorobenzene	180	26.806	26.806	0.000	93	2866347	23.3	20.7	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

ATTO15CAL6w_00238	Amount Added: 200.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

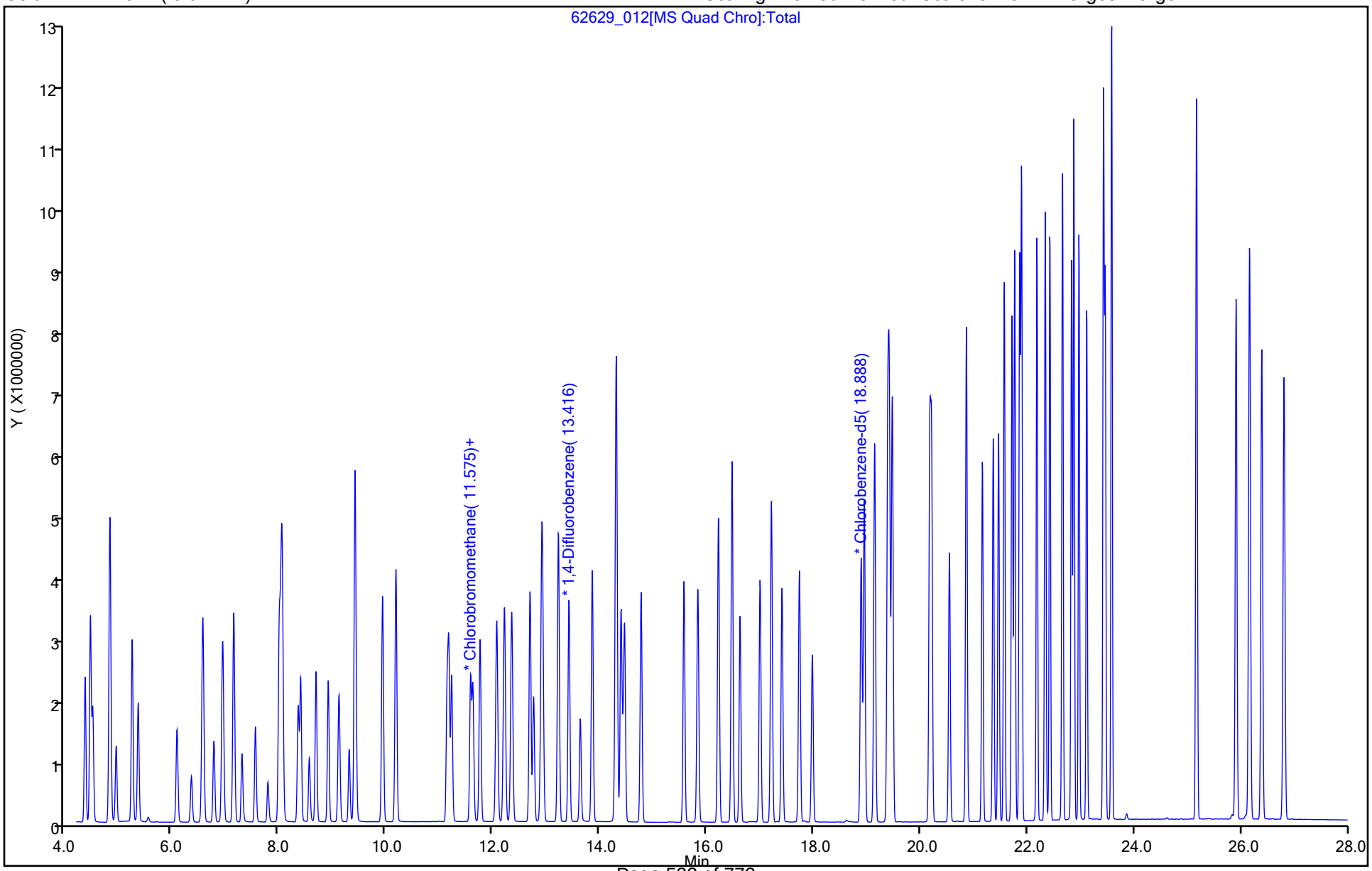
Report Date: 28-Oct-2024 10:23:13 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_012.D

Injection Date:	26-Oct-2024 01:11:21	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	12
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

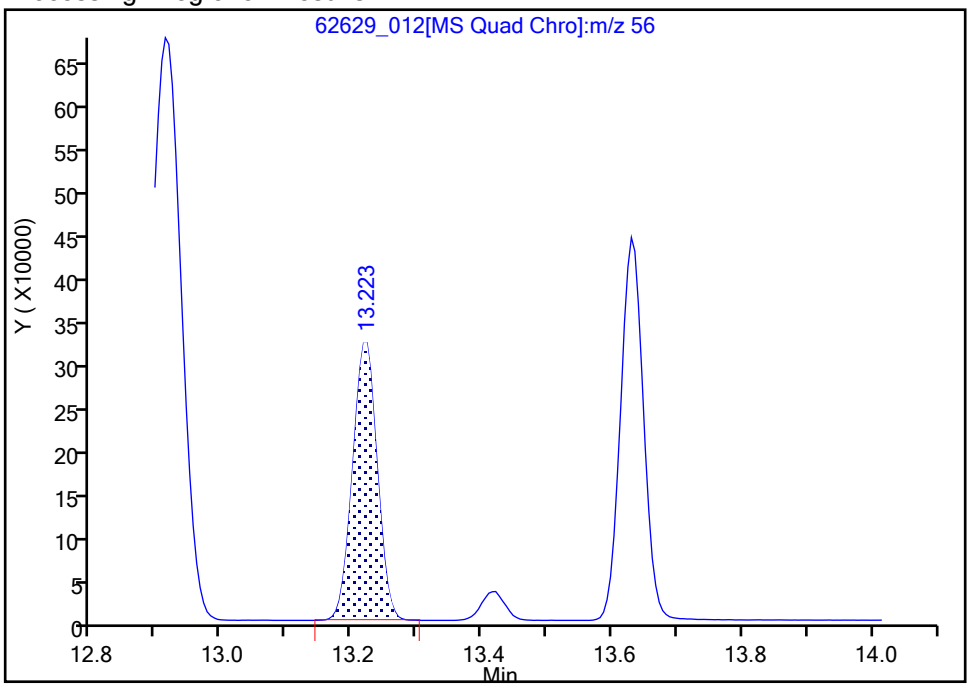
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_012.D				
Injection Date:	26-Oct-2024 01:11:21	Instrument ID:	CHAN.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Signal: 1

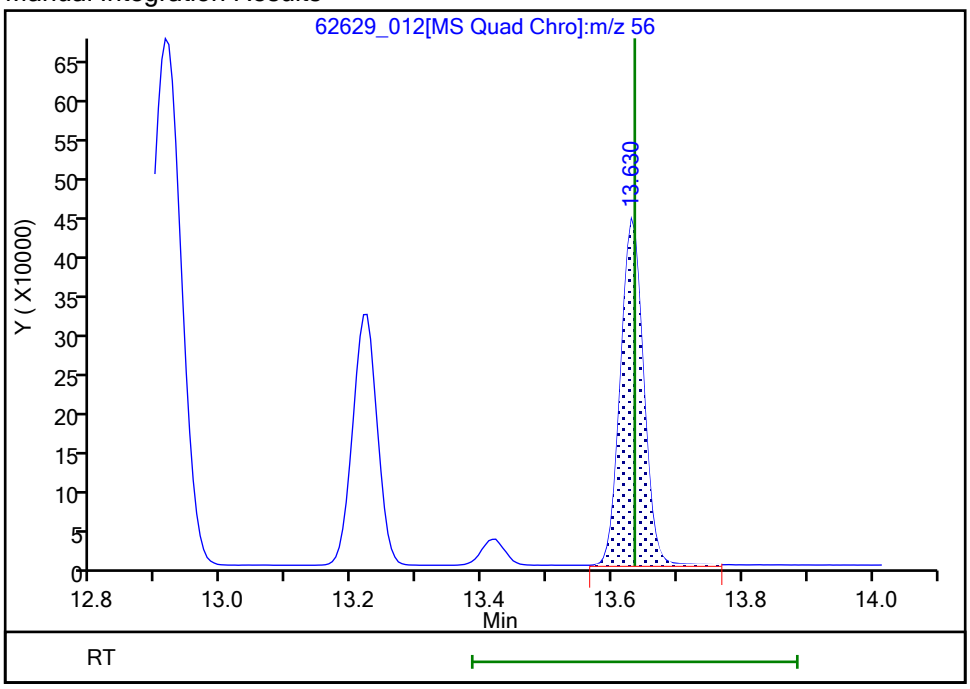
Processing Integration Results

RT: 13.22
Area: 842091
Amount: 16.783996
Amount Units: ppb v/v



Manual Integration Results

RT: 13.63
Area: 1082752
Amount: 20.146071
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 11:02:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_013.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 26-Oct-2024 02:03:04 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-013
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:23:14 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 26-Oct-2024 11:04:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	99	3106223	40.0	36.7	
2 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	7584401	40.0	35.6	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	97	5330307	40.0	35.6	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	97	7717357	40.0	34.4	
5 Chloromethane	50	4.941	4.941	0.000	99	3168447	40.0	36.2	
6 Vinyl chloride	62	5.236	5.236	0.000	100	2409277	40.0	33.7	
7 Butane	43	5.241	5.241	0.000	97	4192031	40.0	35.7	
8 Butadiene	54	5.353	5.353	0.000	96	1941001	40.0	32.7	
9 Bromomethane	94	6.081	6.081	0.000	99	2539116	40.0	36.3	
10 Chloroethane	64	6.348	6.348	0.000	100	1670350	40.0	37.0	
12 2-Methylbutane	43	6.562	6.562	0.000	94	3984220	40.0	34.7	
13 Vinyl bromide	106	6.771	6.771	0.000	98	2298823	40.0	36.3	
14 Trichlorofluoromethane	101	6.937	6.932	0.005	98	6552968	40.0	35.1	
15 Pentane	43	7.140	7.140	0.000	95	5693278	40.0	35.4	
16 Ethanol	45	7.295	7.301	-0.006	98	3558899	100.0	78.5	
18 Ethyl ether	59	7.547	7.552	-0.005	97	2108073	40.0	35.7	
19 Acrolein	56	7.782	7.788	-0.006	97	1309967	46.8	45.3	
20 1,1-Dichloroethene	96	7.991	7.991	0.000	93	2400852	40.0	35.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	92	4956468	40.0	34.8	
22 Acetone	43	8.055	8.060	-0.005	99	4665926	40.0	36.7	
23 Isopropyl alcohol	45	8.344	8.355	-0.011	100	5574623	46.4	43.0	
24 Carbon disulfide	76	8.397	8.397	0.000	100	7131100	40.0	35.8	
25 Acetonitrile	41	8.553	8.558	-0.006	98	2404351	40.0	36.8	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	97	3917338	40.0	34.8	
27 Methylene Chloride	49	8.911	8.911	0.000	99	3275092	40.0	35.8	
28 2-Methyl-2-propanol	59	9.109	9.120	-0.011	98	5897382	40.0	37.5	
29 Acrylonitrile	53	9.301	9.302	-0.001	93	2029381	40.0	37.6	
30 trans-1,2-Dichloroethene	61	9.414	9.414	0.000	94	3745979	40.0	33.7	
31 Methyl tert-butyl ether	73	9.414	9.419	-0.005	97	7171970	40.0	34.2	
32 Hexane	57	9.927	9.927	0.000	92	4077144	40.0	34.7	
33 1,1-Dichloroethane	63	10.173	10.174	-0.001	100	4657043	40.0	34.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.184	10.179	0.005	100	7552345	45.6	43.4	
S 35 1,2-Dichloroethene, Total	61				0		80.0	68.5	
36 2-Butanone (MEK)	72	11.136	11.137	0.000	100	1315388	40.0	37.5	
37 cis-1,2-Dichloroethene	96	11.169	11.169	0.000	99	2514202	40.0	34.7	
38 Ethyl acetate	88	11.222	11.222	0.000	99	222625	40.0	38.5	
* 39 Chlorobromomethane	128	11.580	11.575	0.005	97	679891	10.0	10.0	
40 Tetrahydrofuran	42	11.618	11.623	-0.005	93	3388977	40.0	38.1	
41 Chloroform	83	11.757	11.752	0.005	97	5377764	40.0	35.1	
42 1,1,1-Trichloroethane	97	12.067	12.067	0.000	97	5442781	40.0	35.4	
43 Cyclohexane	84	12.212	12.212	0.000	95	3234084	40.0	35.9	
44 Carbon tetrachloride	117	12.351	12.346	0.005	96	5352408	40.0	36.2	
45 Benzene	78	12.693	12.688	0.005	99	7500606	40.0	34.3	
46 1,2-Dichloroethane	62	12.757	12.757	0.000	92	3948422	40.0	35.6	
47 Isooctane	57	12.913	12.913	0.000	96	12521040	40.0	33.8	
48 n-Heptane	43	13.223	13.218	0.005	95	5244564	40.0	34.3	
* 49 1,4-Difluorobenzene	114	13.421	13.416	0.005	97	3371261	10.0	10.0	
50 n-Butanol	56	13.629	13.635	-0.006	94	2181287	40.0	39.3	Ma
51 Trichloroethene	95	13.854	13.854	0.000	92	3382963	40.0	36.3	
53 1,2-Dichloropropane	63	14.309	14.304	0.005	87	2942134	40.0	34.3	
54 Methyl methacrylate	69	14.394	14.395	0.000	91	2977838	40.0	38.1	
55 1,4-Dioxane	88	14.427	14.432	-0.005	98	1556039	40.0	34.3	
57 Dibromomethane	174	14.464	14.459	0.005	91	2486395	40.0	35.0	
58 Dichlorobromomethane	83	14.769	14.769	0.000	98	5925113	40.0	36.3	
59 cis-1,3-Dichloropropene	75	15.571	15.571	0.000	98	5288951	40.0	36.5	
61 4-Methyl-2-pentanone (MIBK)	43	15.828	15.834	-0.006	98	7047242	40.0	36.7	
62 Toluene	92	16.219	16.219	0.000	93	5157094	40.0	34.6	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	22294090	NC	NC	
64 n-Octane	43	16.476	16.470	0.006	93	7076785	40.0	33.6	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	26623972	NC	NC	
66 trans-1,3-Dichloropropene	75	16.625	16.620	0.005	97	4386598	40.0	36.4	
67 1,1,2-Trichloroethane	83	17.000	16.995	0.006	97	2791159	40.0	35.9	
68 Tetrachloroethene	166	17.214	17.208	0.006	94	3623578	40.0	35.8	
69 2-Hexanone	43	17.406	17.406	0.000	93	6859819	40.0	37.0	
70 Chlorodibromomethane	129	17.733	17.733	0.000	96	5310561	40.0	37.7	
71 Ethylene Dibromide	107	17.973	17.974	-0.001	98	4743559	40.0	35.8	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	91	2997821	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	88	6552515	40.0	34.7	
75 Ethylbenzene	91	19.140	19.140	0.000	99	11205263	40.0	33.3	
76 m-Xylene & p-Xylene	106	19.407	19.402	0.005	0	8093319	80.0	67.5	
77 n-Nonane	57	19.471	19.471	0.000	91	6097895	40.0	33.7	
S 80 Xylenes, Total	106				0		120.0	101.8	
78 o-Xylene	106	20.178	20.172	0.006	96	4019701	40.0	34.2	
79 Styrene	104	20.210	20.204	0.006	97	6688242	40.0	34.5	
81 Bromoform	173	20.541	20.541	0.000	91	4582379	40.0	39.5	
82 Isopropylbenzene	105	20.862	20.857	0.005	96	11588408	40.0	32.4	
83 1,1,2,2-Tetrachloroethane	83	21.365	21.360	0.005	98	6906582	40.0	33.8	
84 1,2,3-Trichloropropane	75	21.462	21.462	0.000	98	5798360	40.0	35.4	
85 N-Propylbenzene	91	21.569	21.569	-0.001	98	13788107	40.0	30.6	
86 2-Chlorotoluene	91	21.713	21.713	0.000	97	9501990	40.0	32.8	
87 4-Ethyltoluene	105	21.761	21.761	0.000	96	11104430	40.0	31.5	
88 1,3,5-Trimethylbenzene	105	21.857	21.857	0.000	92	9680268	40.0	32.0	
89 n-Decane	57	21.895	21.890	0.005	93	7393296	40.0	33.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.184	22.178	0.006	81	5234716	40.0	34.7	
91 tert-Butylbenzene	119	22.339	22.334	0.005	88	8937126	40.0	32.2	
92 1,2,4-Trimethylbenzene	105	22.424	22.419	0.005	99	9753853	40.0	31.5	
93 sec-Butylbenzene	105	22.660	22.655	0.005	94	12952811	40.0	29.9	
94 1,3-Dichlorobenzene	146	22.831	22.826	0.005	95	6246830	40.0	32.8	
95 4-Isopropyltoluene	119	22.874	22.869	0.005	93	10974009	40.0	30.4	
96 1,4-Dichlorobenzene	146	22.970	22.965	0.005	87	6263350	40.0	32.8	
97 Benzyl chloride	91	23.115	23.109	0.006	97	10434434	40.0	31.8	
98 n-Butylbenzene	91	23.425	23.425	0.000	98	11503044	40.0	29.6	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	90	5942857	40.0	32.3	
100 Undecane	57	23.580	23.575	0.005	94	8376658	40.0	33.9	
101 Dodecane	57	25.169	25.164	0.005	93	8423657	40.0	33.1	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	92	5568895	46.9	39.5	
103 Hexachlorobutadiene	225	26.164	26.159	0.005	91	4029580	45.0	34.9	
104 Naphthalene	128	26.389	26.389	0.000	96	13398967	47.6	35.0	
105 1,2,3-Trichlorobenzene	180	26.806	26.806	0.000	93	5225835	46.6	36.5	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- a - User Assigned ID

Reagents:

ATTO15CAL7w_00149	Amount Added: 200.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

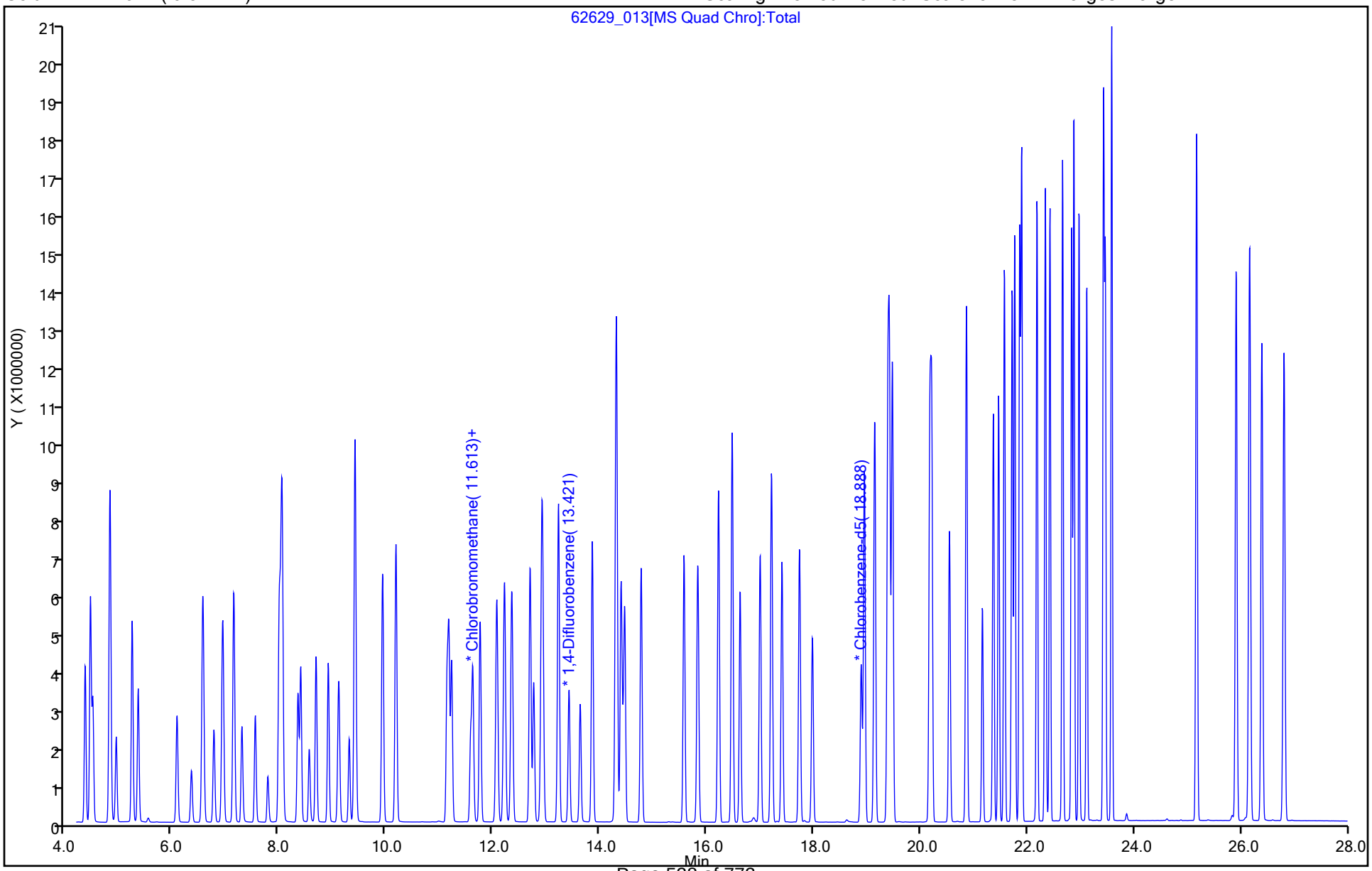
Report Date: 28-Oct-2024 10:23:15 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_013.D

Injection Date:	26-Oct-2024 02:03:04	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

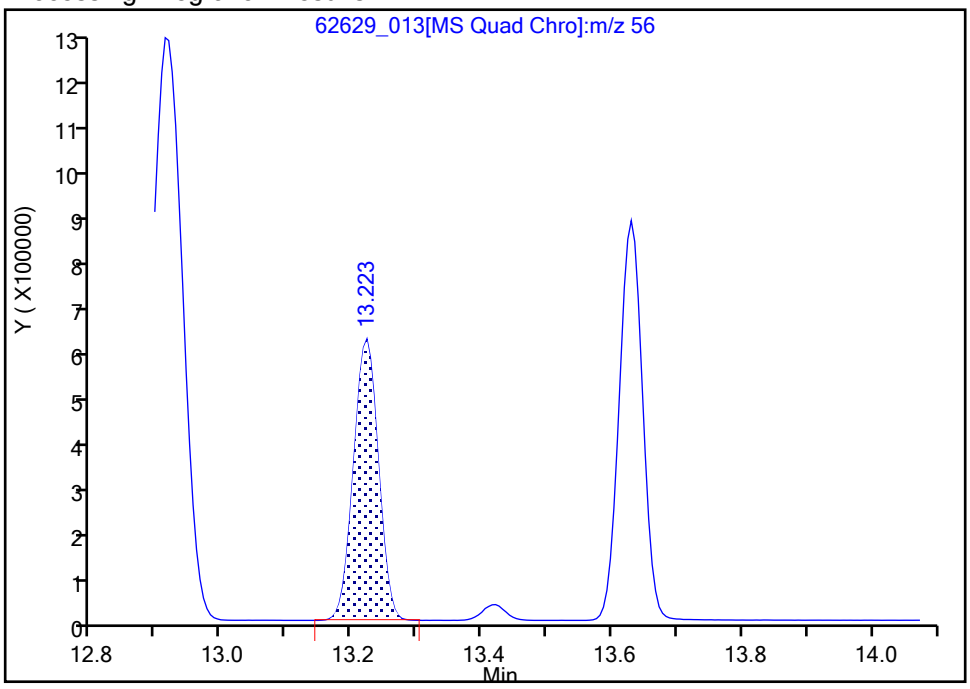
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_013.D				
Injection Date:	26-Oct-2024 02:03:04	Instrument ID:	CHAN.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Signal: 1

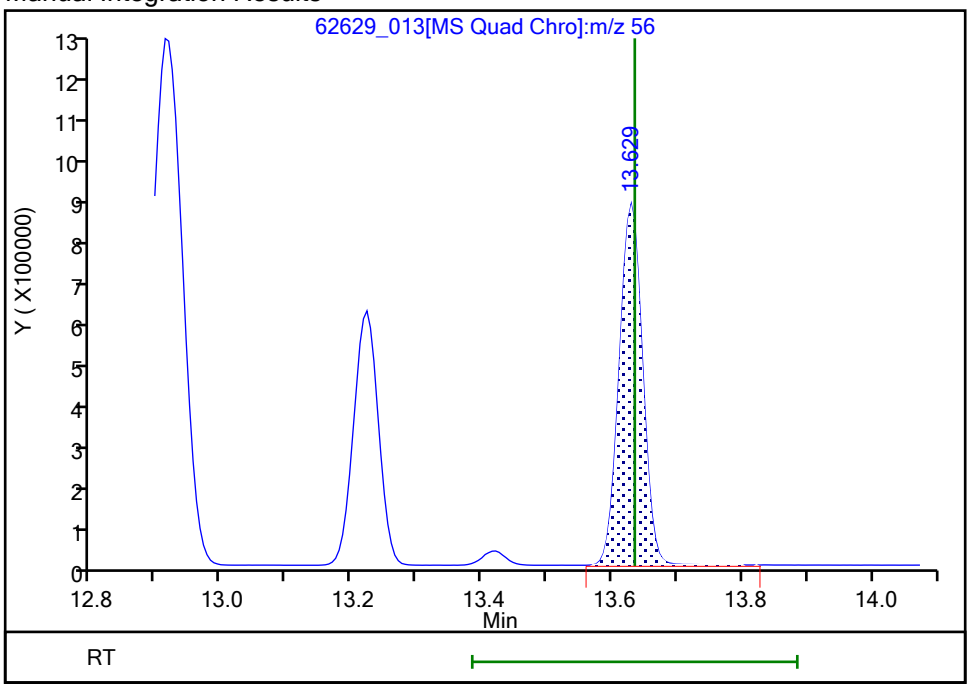
Processing Integration Results

RT: 13.22
Area: 1625969
Amount: 30.339441
Amount Units: ppb v/v



Manual Integration Results

RT: 13.63
Area: 2181287
Amount: 39.297647
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 11:03:38 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Oct-2024 09:20:22 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-005
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:23:16 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 26-Oct-2024 11:04:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	98	388013	4.24	4.49	
2 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	959945	4.24	4.41	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	97	672577	4.24	4.40	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	98	984794	4.24	4.30	
5 Chloromethane	50	4.942	4.941	0.001	99	388526	4.24	4.34	
6 Vinyl chloride	62	5.241	5.236	0.005	100	302321	4.24	4.14	
7 Butane	43	5.241	5.241	0.000	97	535777	4.24	4.46	
8 Butadiene	54	5.353	5.353	0.000	96	236044	4.24	3.89	
9 Bromomethane	94	6.081	6.081	0.000	98	305471	4.24	4.28	
10 Chloroethane	64	6.349	6.348	0.001	100	201543	4.24	4.37	
12 2-Methylbutane	43	6.563	6.562	0.001	94	499492	4.24	4.26	
13 Vinyl bromide	106	6.771	6.771	0.000	99	273291	4.24	4.23	
14 Trichlorofluoromethane	101	6.937	6.932	0.005	98	804599	4.24	4.22	
15 Pentane	43	7.140	7.140	0.000	96	725103	4.24	4.42	
16 Ethanol	45	7.306	7.301	0.005	97	383556	8.49	8.29	
18 Ethyl ether	59	7.558	7.552	0.006	97	256684	4.24	4.26	
19 Acrolein	56	7.788	7.788	0.000	97	152860	4.97	5.18	
20 1,1-Dichloroethene	96	7.991	7.991	0.000	92	288522	4.24	4.16	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	92	616194	4.24	4.24	
22 Acetone	43	8.066	8.060	0.006	99	593426	4.24	4.57	
23 Isopropyl alcohol	45	8.360	8.355	0.005	100	693323	4.92	5.23	
24 Carbon disulfide	76	8.392	8.397	-0.005	100	898241	4.24	4.41	
25 Acetonitrile	41	8.563	8.558	0.005	98	290146	4.24	4.35	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	96	485225	4.24	4.22	
27 Methylene Chloride	49	8.911	8.911	0.000	99	401763	4.24	4.30	
28 2-Methyl-2-propanol	59	9.130	9.120	0.010	99	716285	4.24	4.46	
29 Acrylonitrile	53	9.307	9.302	0.005	93	237895	4.24	4.31	
30 trans-1,2-Dichloroethene	61	9.409	9.414	-0.005	94	471226	4.24	4.15	
31 Methyl tert-butyl ether	73	9.425	9.419	0.006	97	897713	4.24	4.20	
32 Hexane	57	9.928	9.927	0.001	92	502815	4.24	4.19	
33 1,1-Dichloroethane	63	10.174	10.174	0.000	100	584510	4.24	4.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.184	10.179	0.005	100	864380	4.83	4.87	
S 35 1,2-Dichloroethene, Total	61				0		8.49	8.25	
36 2-Butanone (MEK)	72	11.142	11.137	0.006	100	154255	4.24	4.31	
37 cis-1,2-Dichloroethene	96	11.169	11.169	0.000	99	302965	4.24	4.10	
38 Ethyl acetate	88	11.222	11.222	0.000	99	25556	4.24	4.33	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	694152	10.0	10.0	
40 Tetrahydrofuran	42	11.623	11.623	0.000	94	403948	4.24	4.40	
41 Chloroform	83	11.752	11.752	0.000	97	651532	4.24	4.17	
42 1,1,1-Trichloroethane	97	12.062	12.067	-0.005	98	653693	4.24	4.12	
43 Cyclohexane	84	12.207	12.212	-0.005	95	386789	4.24	4.16	
44 Carbon tetrachloride	117	12.340	12.346	-0.006	96	641776	4.24	4.21	
45 Benzene	78	12.688	12.688	0.000	98	926783	4.24	4.12	
46 1,2-Dichloroethane	62	12.752	12.757	-0.005	92	472556	4.24	4.13	
47 Isooctane	57	12.913	12.913	0.000	97	1610977	4.24	4.22	
48 n-Heptane	43	13.218	13.218	0.000	97	656271	4.24	4.16	Ma
* 49 1,4-Difluorobenzene	114	13.416	13.416	0.000	97	3476052	10.0	10.0	
50 n-Butanol	56	13.635	13.635	0.000	94	243305	4.24	4.25	Ma
51 Trichloroethene	95	13.854	13.854	0.000	92	404928	4.24	4.21	
53 1,2-Dichloropropane	63	14.304	14.304	0.000	87	369722	4.24	4.18	
54 Methyl methacrylate	69	14.395	14.395	0.001	91	343362	4.24	4.26	
55 1,4-Dioxane	88	14.437	14.432	0.005	98	195985	4.24	4.19	
57 Dibromomethane	174	14.459	14.459	0.000	91	297608	4.24	4.07	
58 Dichlorobromomethane	83	14.764	14.769	-0.005	98	707591	4.24	4.21	
59 cis-1,3-Dichloropropene	75	15.572	15.571	0.001	98	624012	4.24	4.17	
61 4-Methyl-2-pentanone (MIBK)	43	15.834	15.834	0.000	97	855589	4.24	4.32	
62 Toluene	92	16.214	16.219	-0.005	93	638709	4.24	4.25	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	2771397	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	95	910517	4.24	4.19	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	3306315	NC	NC	
66 trans-1,3-Dichloropropene	75	16.620	16.620	0.000	97	517077	4.24	4.16	
67 1,1,2-Trichloroethane	83	16.995	16.995	0.001	97	331169	4.24	4.22	
68 Tetrachloroethene	166	17.209	17.208	0.001	93	435455	4.24	4.25	
69 2-Hexanone	43	17.407	17.406	0.001	92	811309	4.24	4.33	
70 Chlorodibromomethane	129	17.733	17.733	0.000	97	617973	4.24	4.34	
71 Ethylene Dibromide	107	17.968	17.974	-0.006	98	567545	4.24	4.24	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	92	3027565	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	90	803346	4.24	4.22	
75 Ethylbenzene	91	19.140	19.140	0.000	100	1450050	4.24	4.27	
76 m-Xylene & p-Xylene	106	19.402	19.402	0.000	0	1029573	8.49	8.51	
77 n-Nonane	57	19.466	19.471	-0.005	93	772631	4.24	4.23	
S 80 Xylenes, Total	106				0		12.7	12.7	
78 o-Xylene	106	20.172	20.172	0.000	97	496516	4.24	4.19	
79 Styrene	104	20.204	20.204	0.000	98	828461	4.24	4.23	
81 Bromoform	173	20.542	20.541	0.001	92	524697	4.24	4.48	
82 Isopropylbenzene	105	20.857	20.857	0.000	99	1550233	4.24	4.29	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	99	851191	4.24	4.13	
84 1,2,3-Trichloropropane	75	21.456	21.462	-0.006	98	710234	4.24	4.29	
85 N-Propylbenzene	91	21.563	21.569	-0.006	98	1960846	4.24	4.31	
86 2-Chlorotoluene	91	21.713	21.713	0.000	96	1227175	4.24	4.20	
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	1520422	4.24	4.28	
88 1,3,5-Trimethylbenzene	105	21.852	21.857	-0.005	91	1294980	4.24	4.24	
89 n-Decane	57	21.890	21.890	0.000	90	997932	4.24	4.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.179	22.178	0.001	83	639285	4.24	4.19	
91 tert-Butylbenzene	119	22.334	22.334	0.000	92	1196006	4.24	4.27	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	99	1309975	4.24	4.19	
93 sec-Butylbenzene	105	22.655	22.655	0.000	98	1889563	4.24	4.31	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	98	806130	4.24	4.19	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	96	1555040	4.24	4.27	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	91	804675	4.24	4.17	
97 Benzyl chloride	91	23.109	23.109	0.000	97	1355867	4.24	4.10	
98 n-Butylbenzene	91	23.425	23.425	0.000	98	1679168	4.24	4.28	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	93	774562	4.24	4.16	
100 Undecane	57	23.575	23.575	0.000	96	1174750	4.24	4.71	
101 Dodecane	57	25.164	25.164	0.000	94	1241497	4.24	4.83	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	93	683759	4.98	4.80	
103 Hexachlorobutadiene	225	26.159	26.159	0.000	92	527561	4.77	4.53	
104 Naphthalene	128	26.383	26.389	-0.006	98	1796184	5.05	4.64	
105 1,2,3-Trichlorobenzene	180	26.801	26.806	-0.005	94	653042	4.94	4.52	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- a - User Assigned ID

Reagents:

ATTO15CAL3w_00282	Amount Added: 170.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

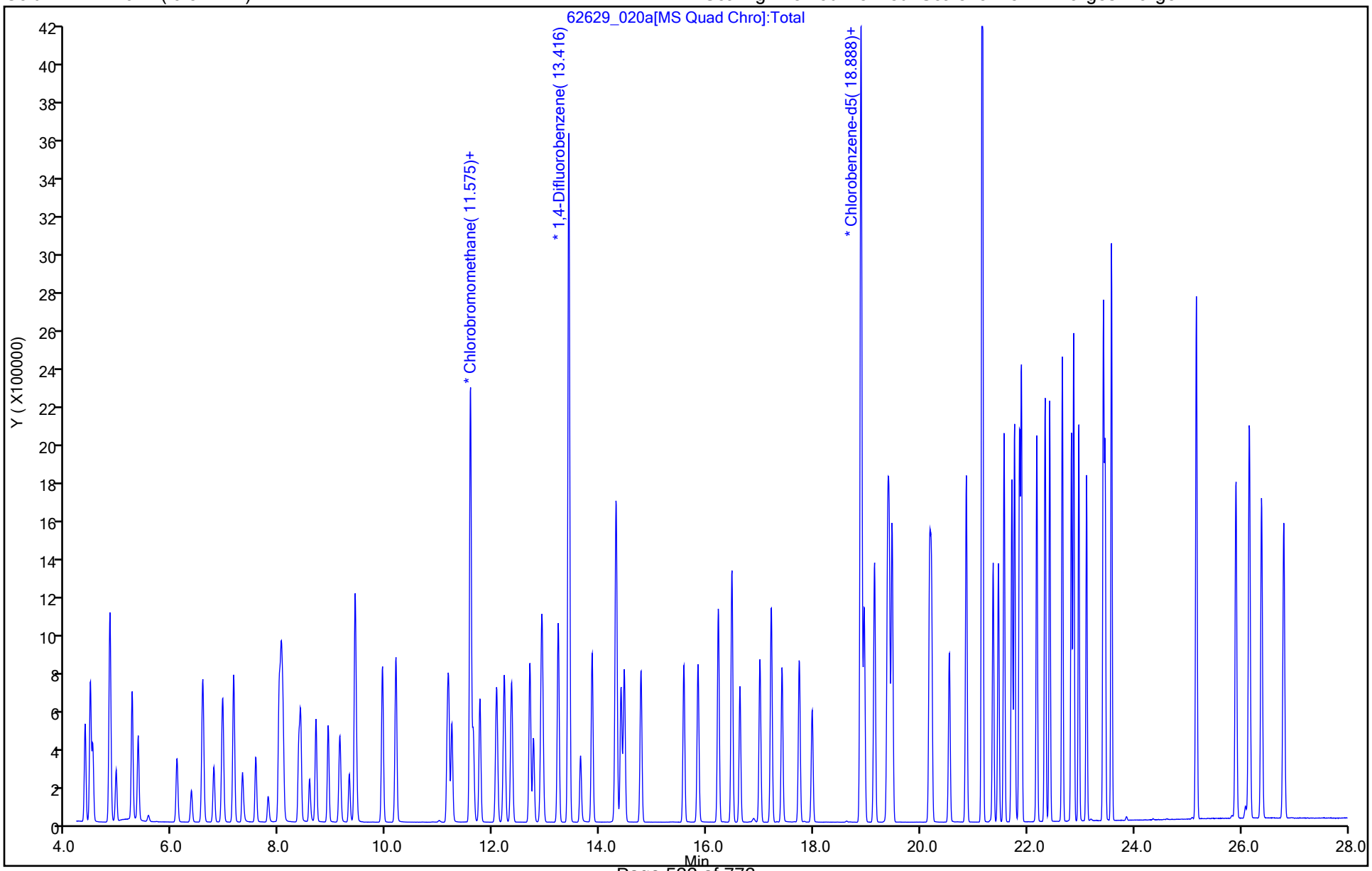
Report Date: 28-Oct-2024 10:23:17 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Injection Date:	26-Oct-2024 09:20:22	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	IC			Worklist Smp#:	20
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

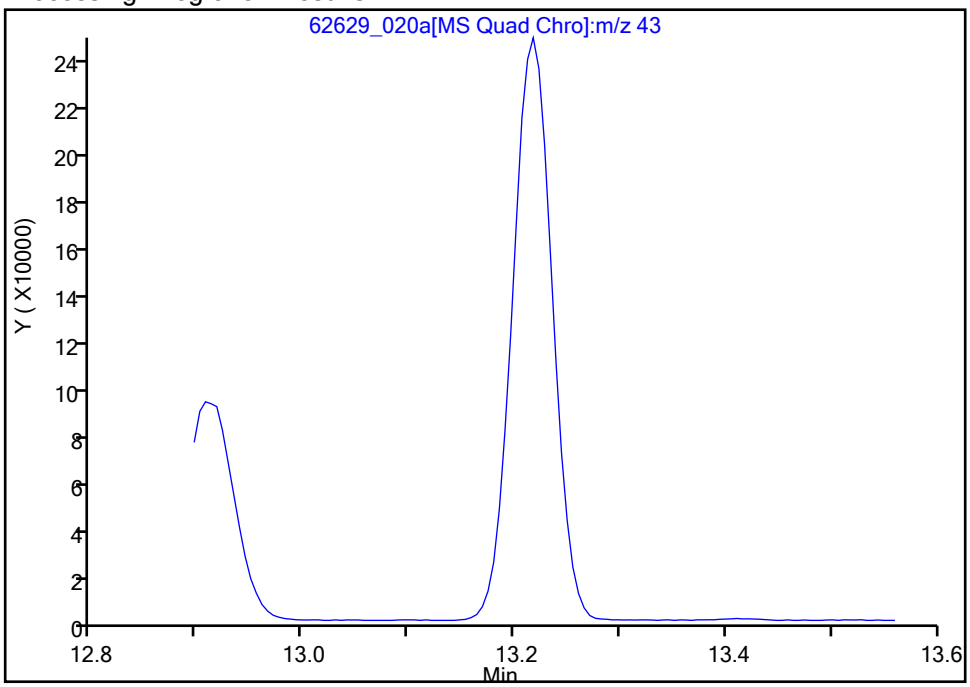
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D				
Injection Date:	26-Oct-2024 09:20:22	Instrument ID:	CHAN.i		
Lims ID:	IC				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5

Signal: 1

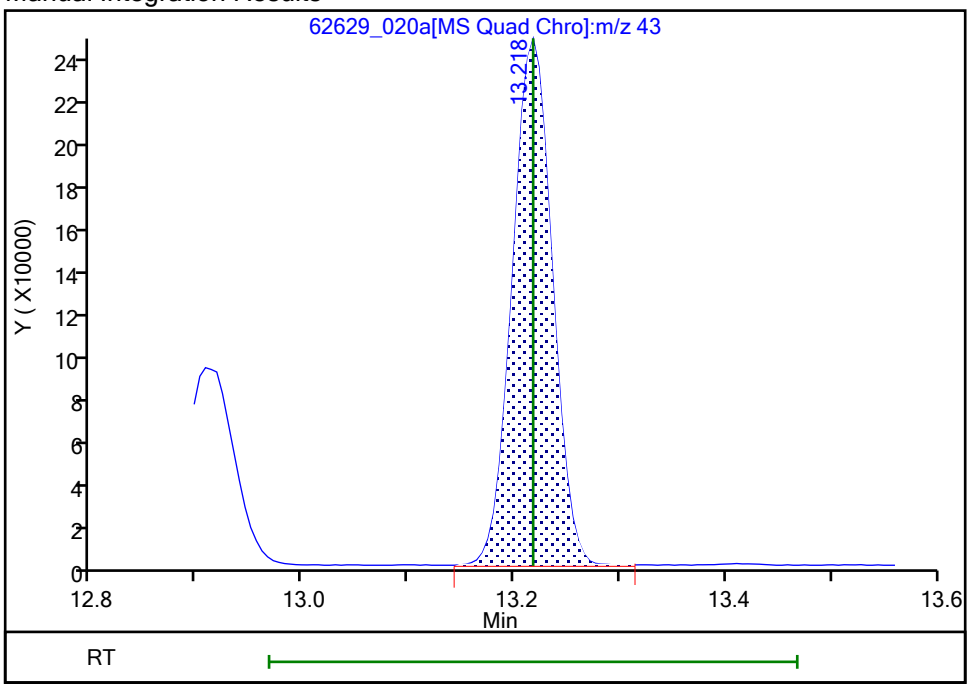
Not Detected
Expected RT: 13.22

Processing Integration Results



Manual Integration Results

RT: 13.22
Area: 656271
Amount: 4.162695
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 11:04:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Burlington

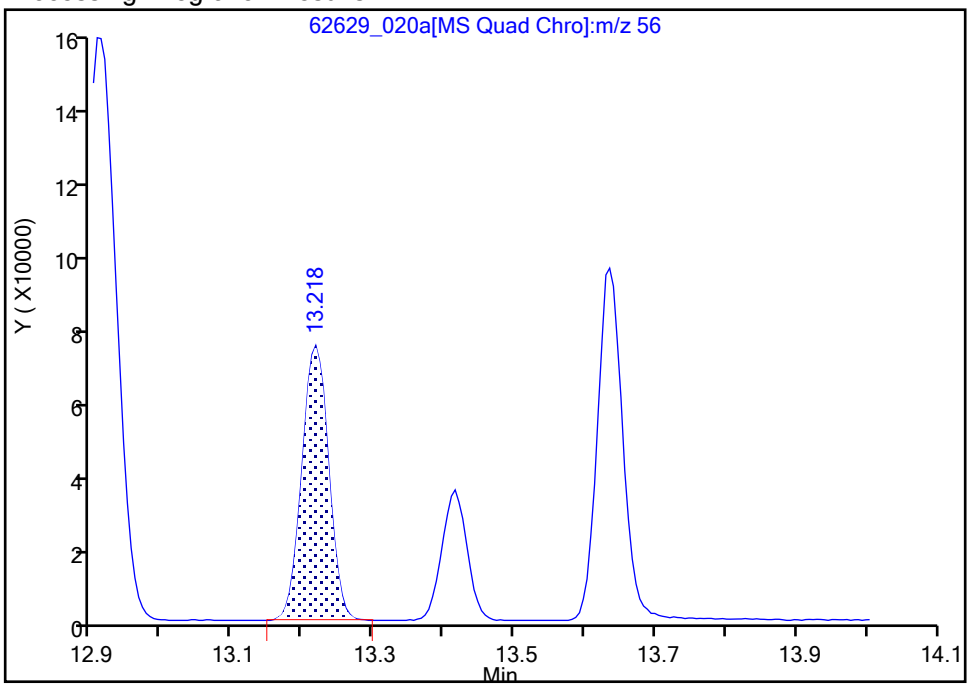
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D				
Injection Date:	26-Oct-2024 09:20:22	Instrument ID:	CHAN.i		
Lims ID:	IC				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Signal: 1

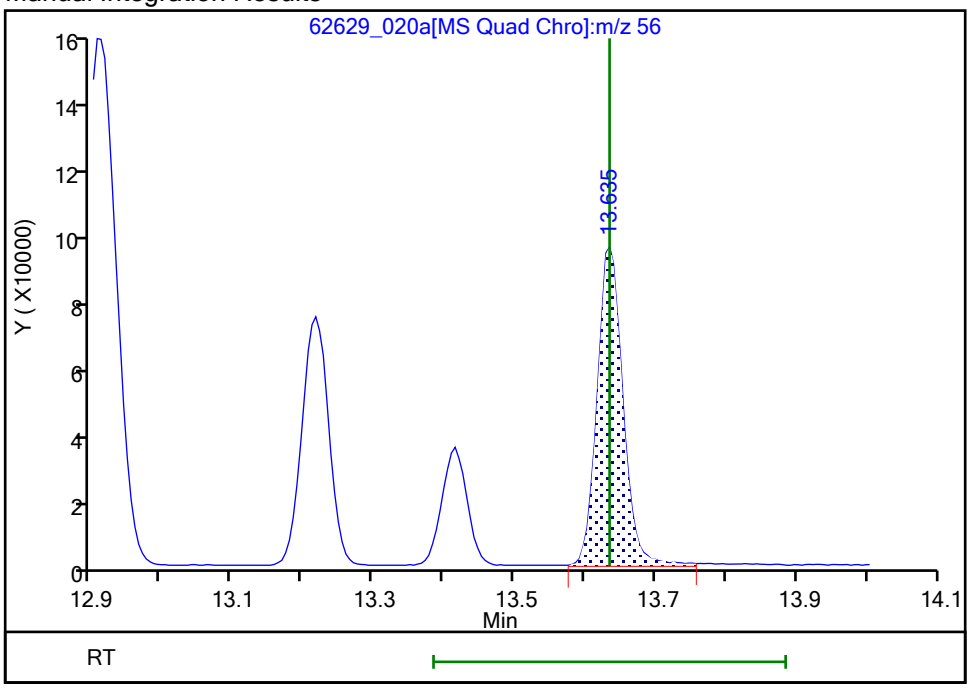
Processing Integration Results

RT: 13.22
Area: 199357
Amount: 3.478952
Amount Units: ppb v/v



Manual Integration Results

RT: 13.63
Area: 243305
Amount: 4.251194
Amount Units: ppb v/v



Reviewer: BKZ7, 26-Oct-2024 11:04:37 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Baseline

Calibration / Propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

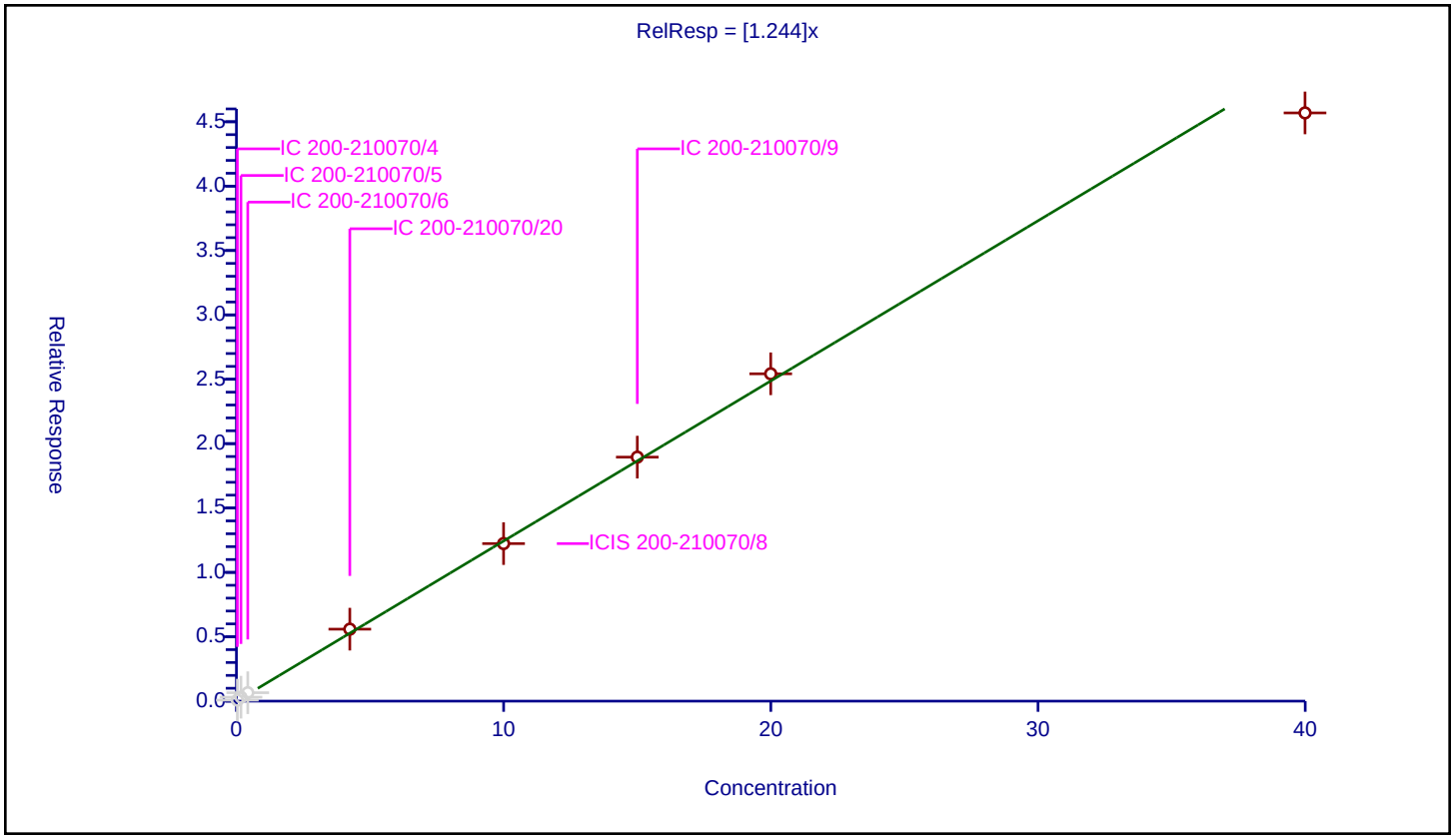
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.076702	10.0	688771.0	2.186674	N
2	IC 200-210070/5	0.170374	0.306654	10.0	642483.0	1.79989	N
3	IC 200-210070/6	0.425385	0.654842	10.0	641834.0	1.539412	N
4	IC 200-210070/20	4.243678	5.589741	10.0	694152.0	1.317192	Y
5	ICIS 200-210070/8	9.99806	12.237948	10.0	713216.0	1.224032	Y
6	IC 200-210070/9	15.003557	18.951547	10.0	663568.0	1.263137	Y
7	IC 200-210070/12	19.99612	25.425587	10.0	652781.0	1.271526	Y
8	IC 200-210070/13	39.99224	45.687073	10.0	679891.0	1.142398	Y



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

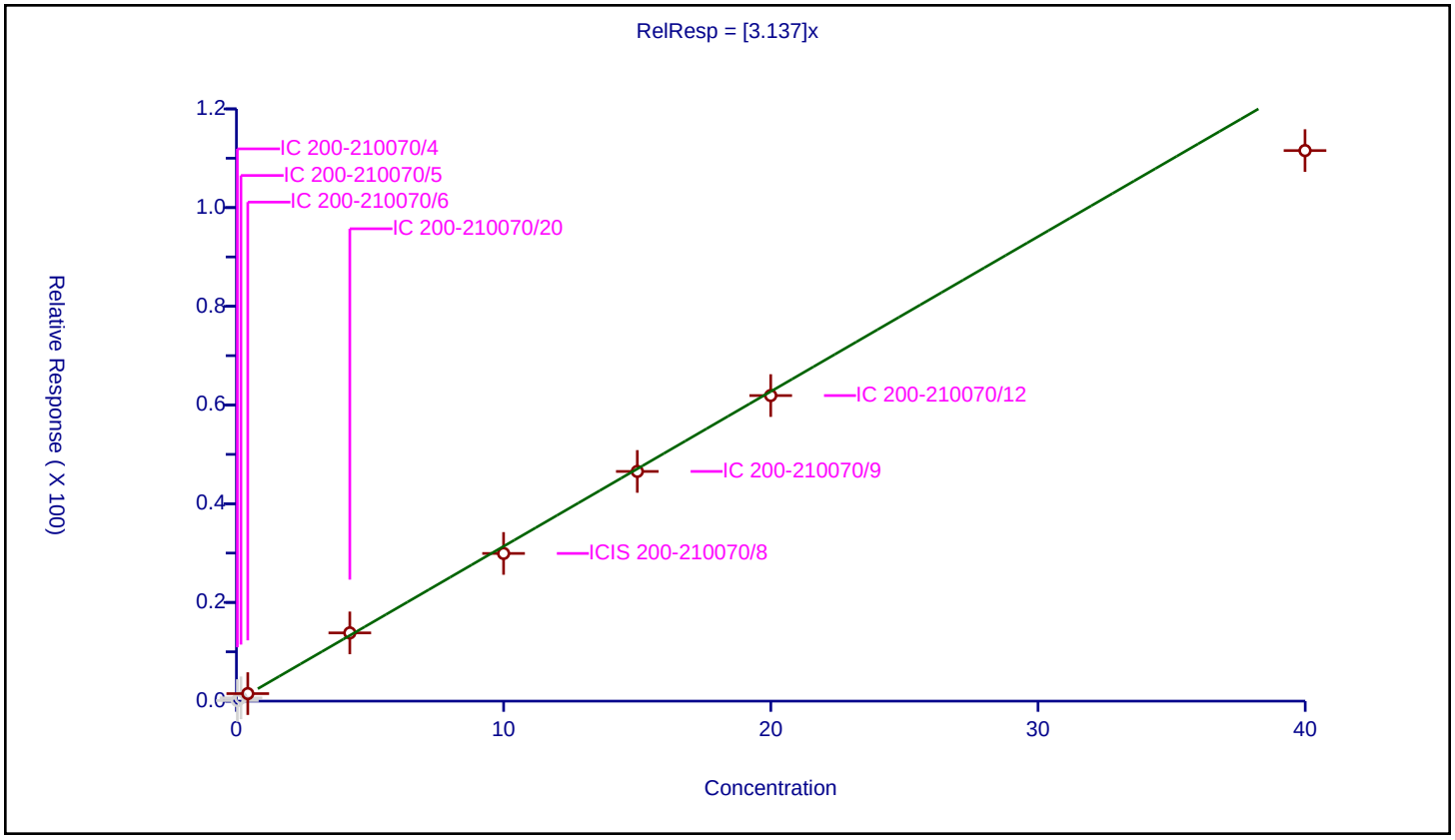
Curve Coefficients

Intercept:	0
Slope:	3.137

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.116831	10.0	688771.0	3.330715	N
2	IC 200-210070/5	0.170374	0.668469	10.0	642483.0	3.923546	N
3	IC 200-210070/6	0.425385	1.524662	10.0	641834.0	3.584196	Y
4	IC 200-210070/20	4.243678	13.829032	10.0	694152.0	3.258737	Y
5	ICIS 200-210070/8	9.99806	29.924511	10.0	713216.0	2.993032	Y
6	IC 200-210070/9	15.003557	46.542329	10.0	663568.0	3.102086	Y
7	IC 200-210070/12	19.99612	61.919204	10.0	652781.0	3.096561	Y
8	IC 200-210070/13	39.99224	111.55319	10.0	679891.0	2.789371	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

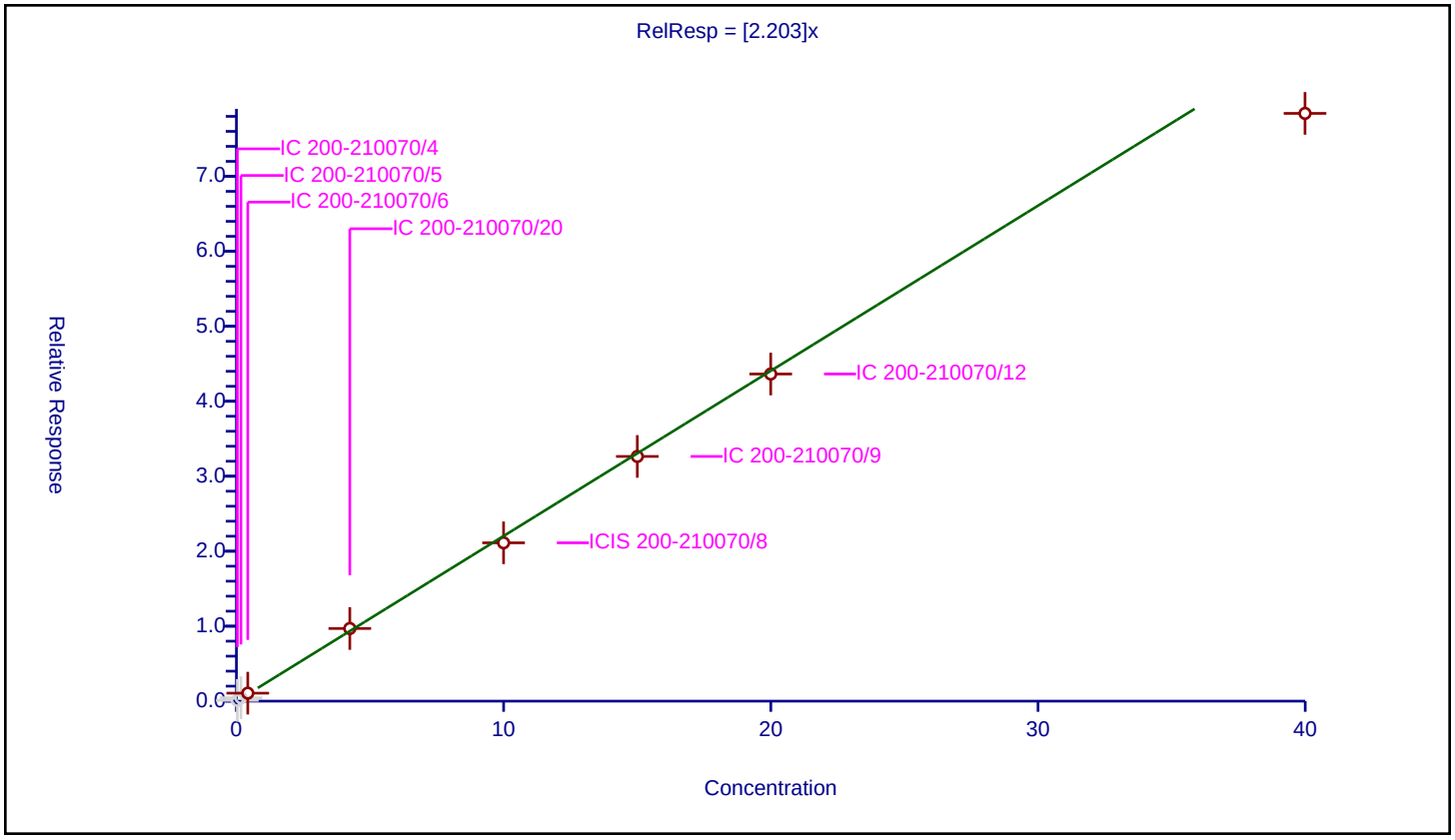
Curve Coefficients

Intercept:	0
Slope:	2.203

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.099975	10.0	688771.0	2.850168	N
2	IC 200-210070/5	0.170374	0.453553	10.0	642483.0	2.662106	N
3	IC 200-210070/6	0.425385	1.065151	10.0	641834.0	2.503971	Y
4	IC 200-210070/20	4.243678	9.689189	10.0	694152.0	2.283205	Y
5	ICIS 200-210070/8	9.99806	21.120782	10.0	713216.0	2.112488	Y
6	IC 200-210070/9	15.003557	32.641839	10.0	663568.0	2.175607	Y
7	IC 200-210070/12	19.99612	43.636013	10.0	652781.0	2.182224	Y
8	IC 200-210070/13	39.99224	78.399435	10.0	679891.0	1.960366	Y



Calibration / 1,2-Dichloro-1,1,2,2-tetrafluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

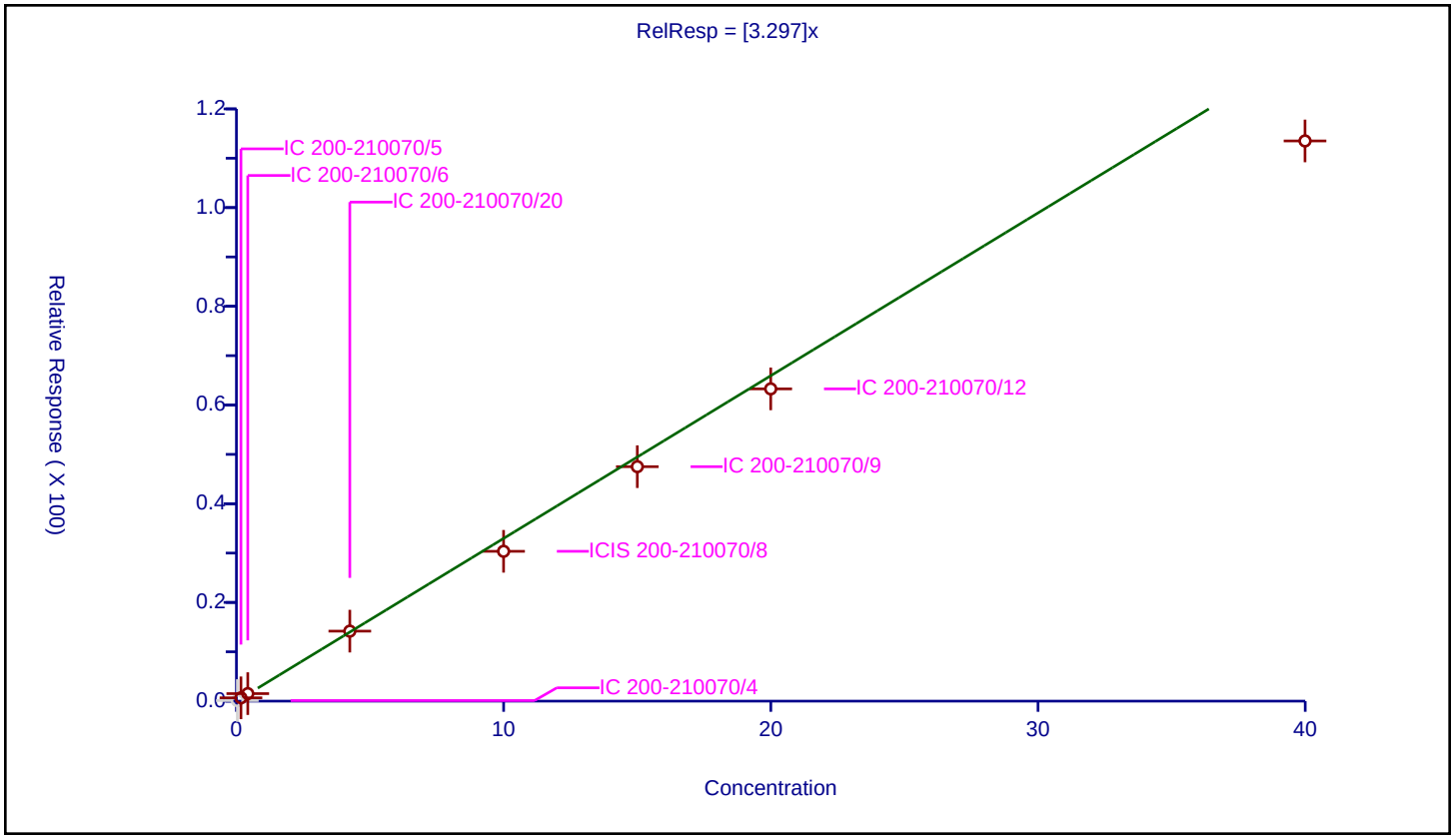
Curve Coefficients

Intercept:	0
Slope:	3.297

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.114465	10.0	688771.0	3.263248	N
2	IC 200-210070/5	0.170374	0.671831	10.0	642483.0	3.943278	Y
3	IC 200-210070/6	0.425385	1.526656	10.0	641834.0	3.588884	Y
4	IC 200-210070/20	4.243678	14.187008	10.0	694152.0	3.343092	Y
5	ICIS 200-210070/8	9.99806	30.358994	10.0	713216.0	3.036488	Y
6	IC 200-210070/9	15.003557	47.510187	10.0	663568.0	3.166595	Y
7	IC 200-210070/12	19.99612	63.274023	10.0	652781.0	3.164315	Y
8	IC 200-210070/13	39.99224	113.508739	10.0	679891.0	2.838269	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

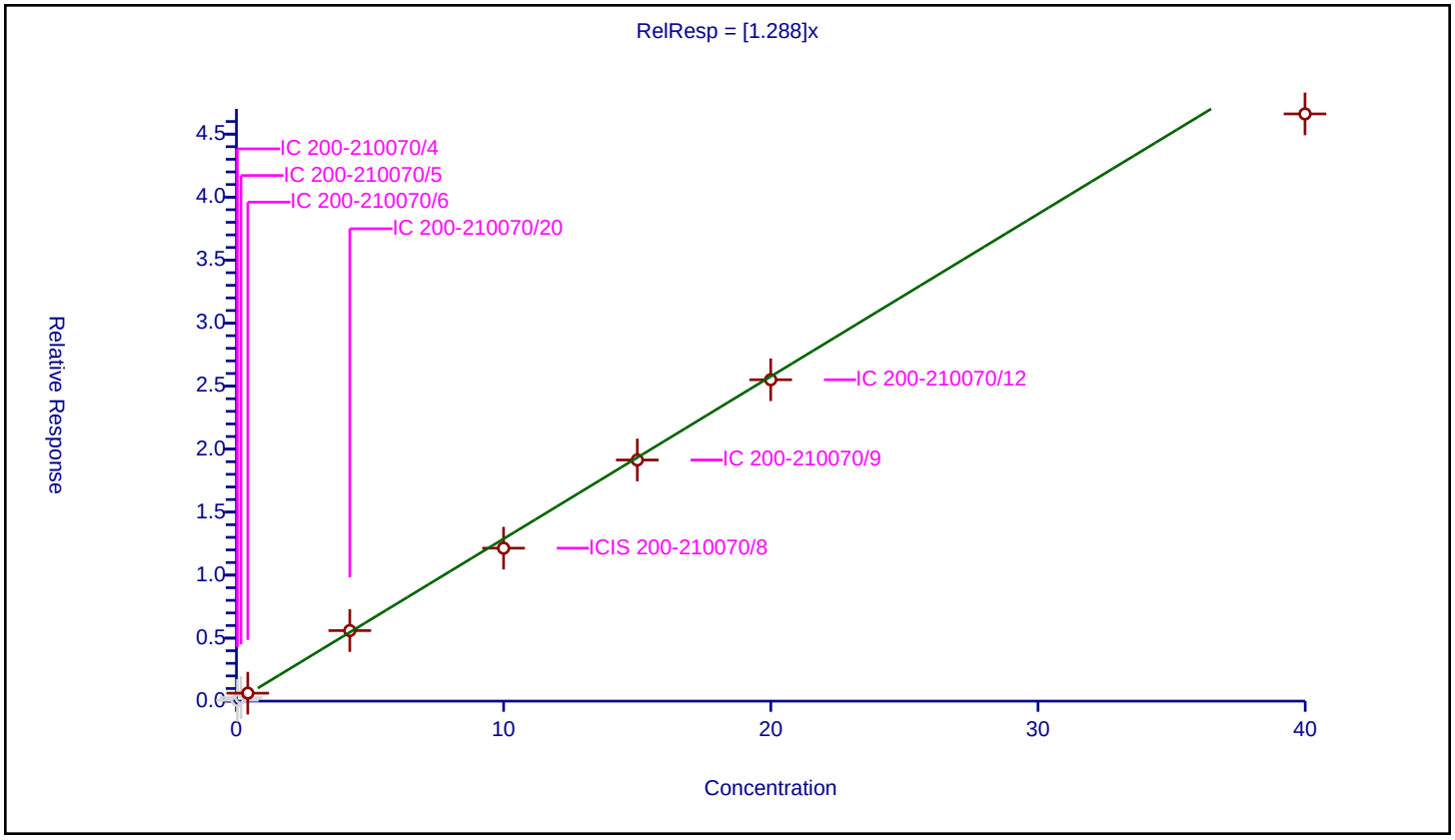
Curve Coefficients

Intercept:	0
Slope:	1.288

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.061646	10.0	688771.0	1.757452	N
2	IC 200-210070/5	0.170374	0.282576	10.0	642483.0	1.658563	N
3	IC 200-210070/6	0.425385	0.630007	10.0	641834.0	1.481029	Y
4	IC 200-210070/20	4.243678	5.597131	10.0	694152.0	1.318934	Y
5	ICIS 200-210070/8	9.99806	12.139801	10.0	713216.0	1.214216	Y
6	IC 200-210070/9	15.003557	19.137993	10.0	663568.0	1.275564	Y
7	IC 200-210070/12	19.99612	25.505859	10.0	652781.0	1.27554	Y
8	IC 200-210070/13	39.99224	46.602279	10.0	679891.0	1.165283	Y



Calibration / Butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

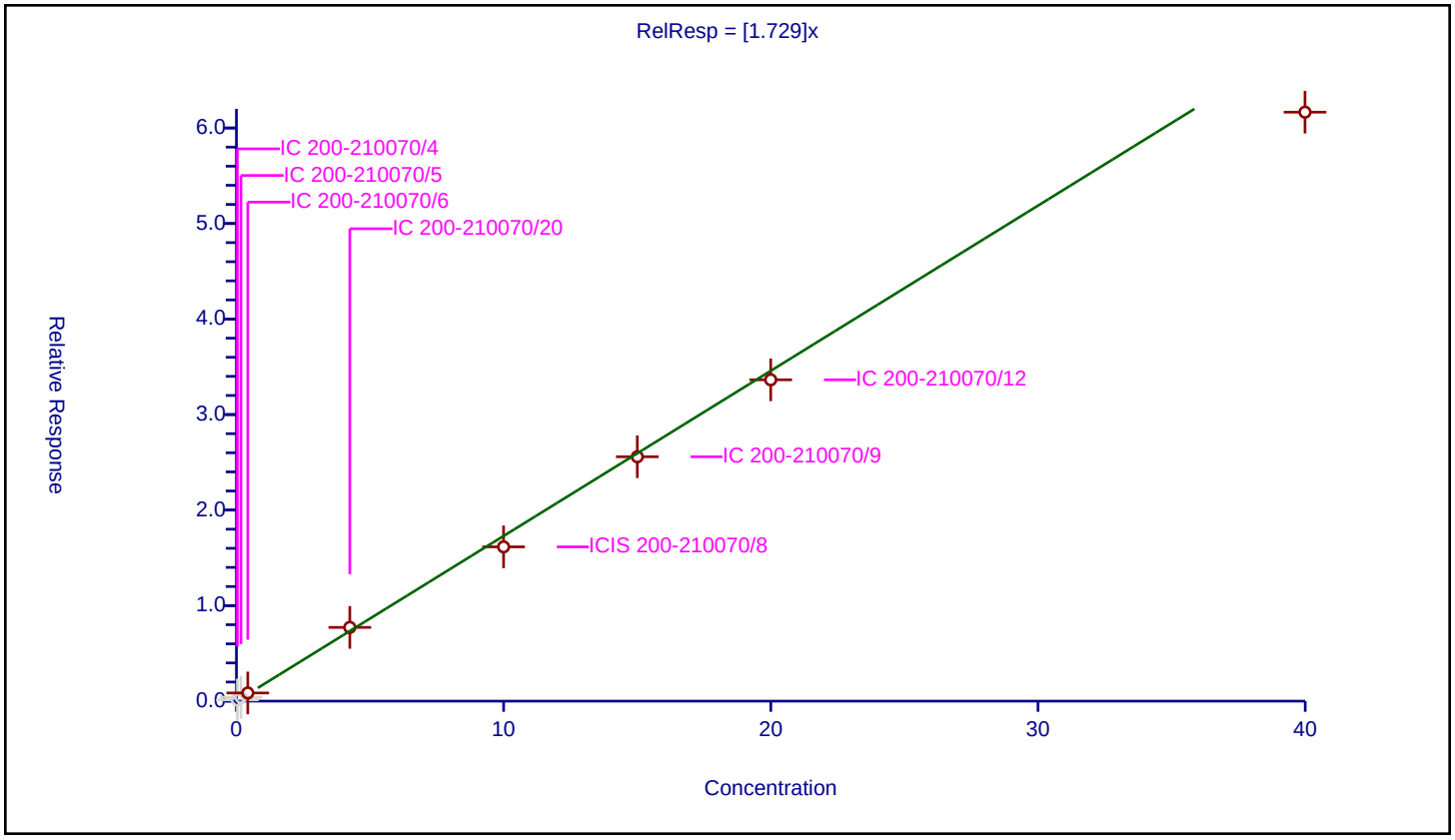
Curve Coefficients

Intercept:	0
Slope:	1.729

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.12563	10.0	688771.0	3.581543	N
2	IC 200-210070/5	0.170374	0.400166	10.0	642483.0	2.348756	N
3	IC 200-210070/6	0.425385	0.855704	10.0	641834.0	2.011601	Y
4	IC 200-210070/20	4.243678	7.718439	10.0	694152.0	1.818809	Y
5	ICIS 200-210070/8	9.99806	16.152049	10.0	713216.0	1.615518	Y
6	IC 200-210070/9	15.003557	25.58315	10.0	663568.0	1.705139	Y
7	IC 200-210070/12	19.99612	33.640287	10.0	652781.0	1.682341	Y
8	IC 200-210070/13	39.99224	61.657398	10.0	679891.0	1.541734	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

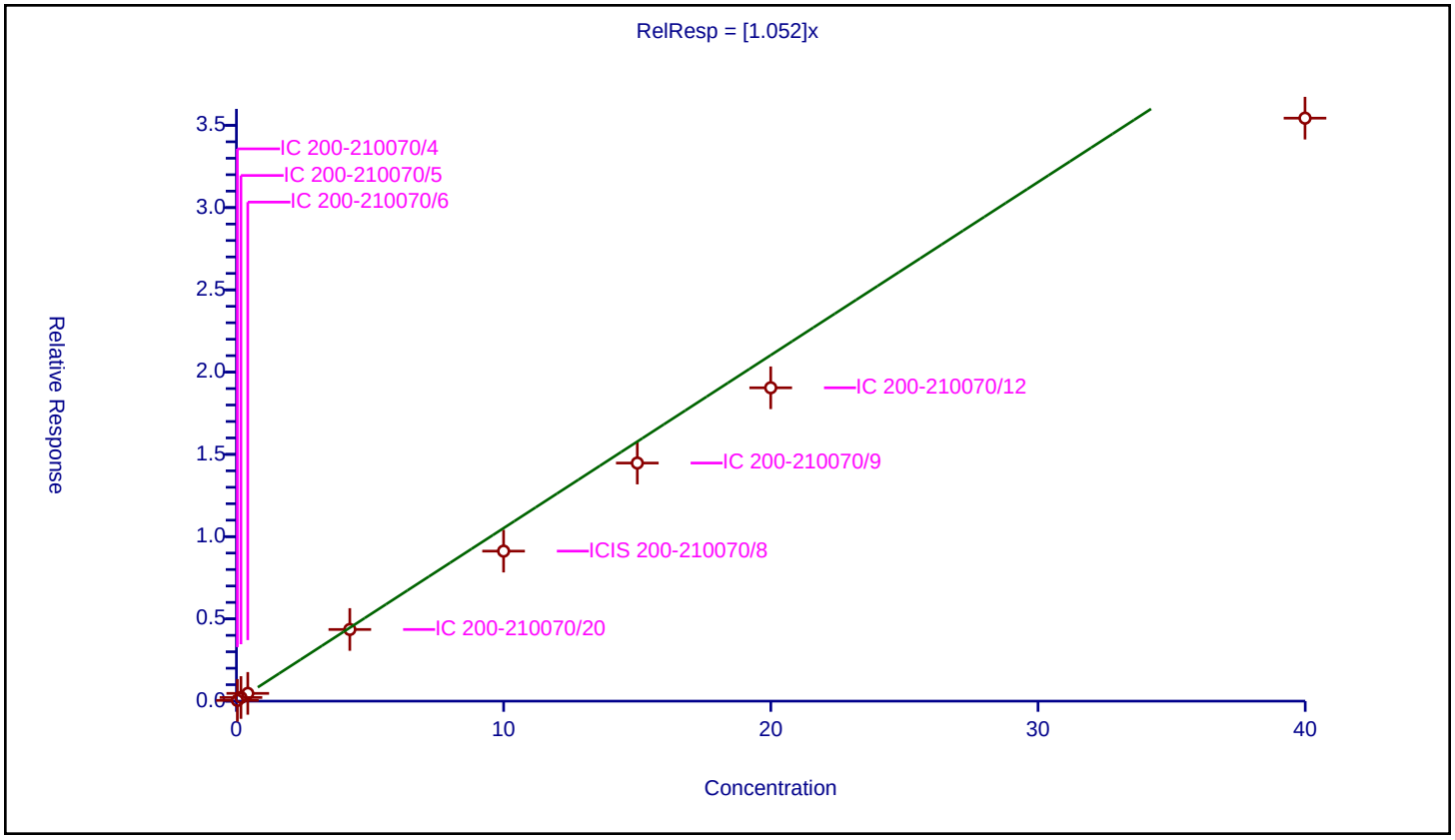
Curve Coefficients

Intercept:	0
Slope:	1.052

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.0445	10.0	688771.0	1.268627	Y
2	IC 200-210070/5	0.170374	0.220426	10.0	642483.0	1.29378	Y
3	IC 200-210070/6	0.425385	0.471773	10.0	641834.0	1.10905	Y
4	IC 200-210070/20	4.243678	4.355256	10.0	694152.0	1.026293	Y
5	ICIS 200-210070/8	9.99806	9.118878	10.0	713216.0	0.912065	Y
6	IC 200-210070/9	15.003557	14.47291	10.0	663568.0	0.964632	Y
7	IC 200-210070/12	19.99612	19.048012	10.0	652781.0	0.952585	Y
8	IC 200-210070/13	39.99224	35.436224	10.0	679891.0	0.886078	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

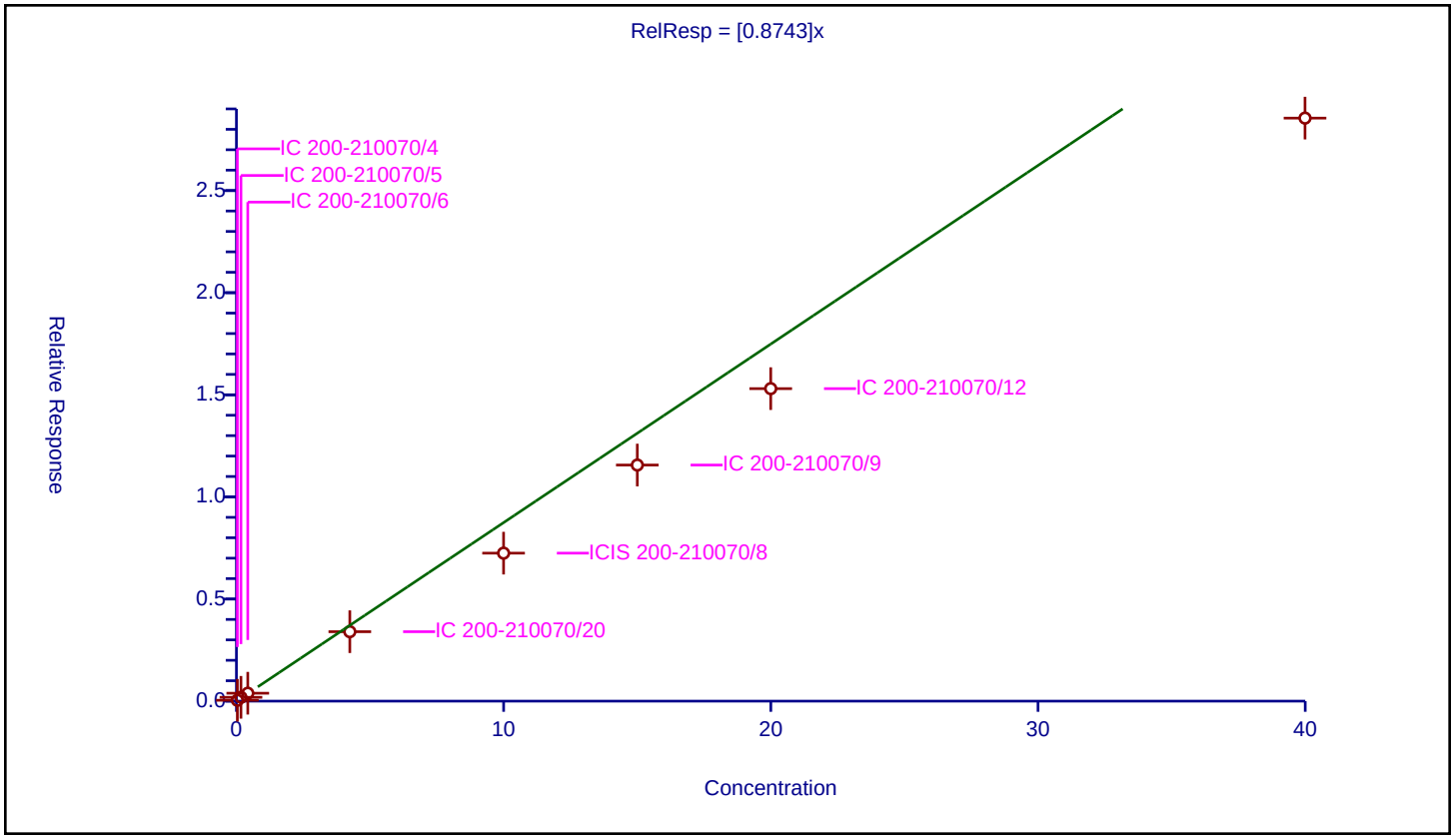
Curve Coefficients

Intercept:	0
Slope:	0.8743

Error Coefficients

Relative Standard Deviation:	21.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.04238	10.0	688771.0	1.208196	Y
2	IC 200-210070/5	0.170374	0.187273	10.0	642483.0	1.099192	Y
3	IC 200-210070/6	0.425385	0.387733	10.0	641834.0	0.911487	Y
4	IC 200-210070/20	4.243678	3.400466	10.0	694152.0	0.801301	Y
5	ICIS 200-210070/8	9.99806	7.24643	10.0	713216.0	0.724784	Y
6	IC 200-210070/9	15.003557	11.560307	10.0	663568.0	0.770504	Y
7	IC 200-210070/12	19.99612	15.302789	10.0	652781.0	0.765288	Y
8	IC 200-210070/13	39.99224	28.548709	10.0	679891.0	0.713856	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

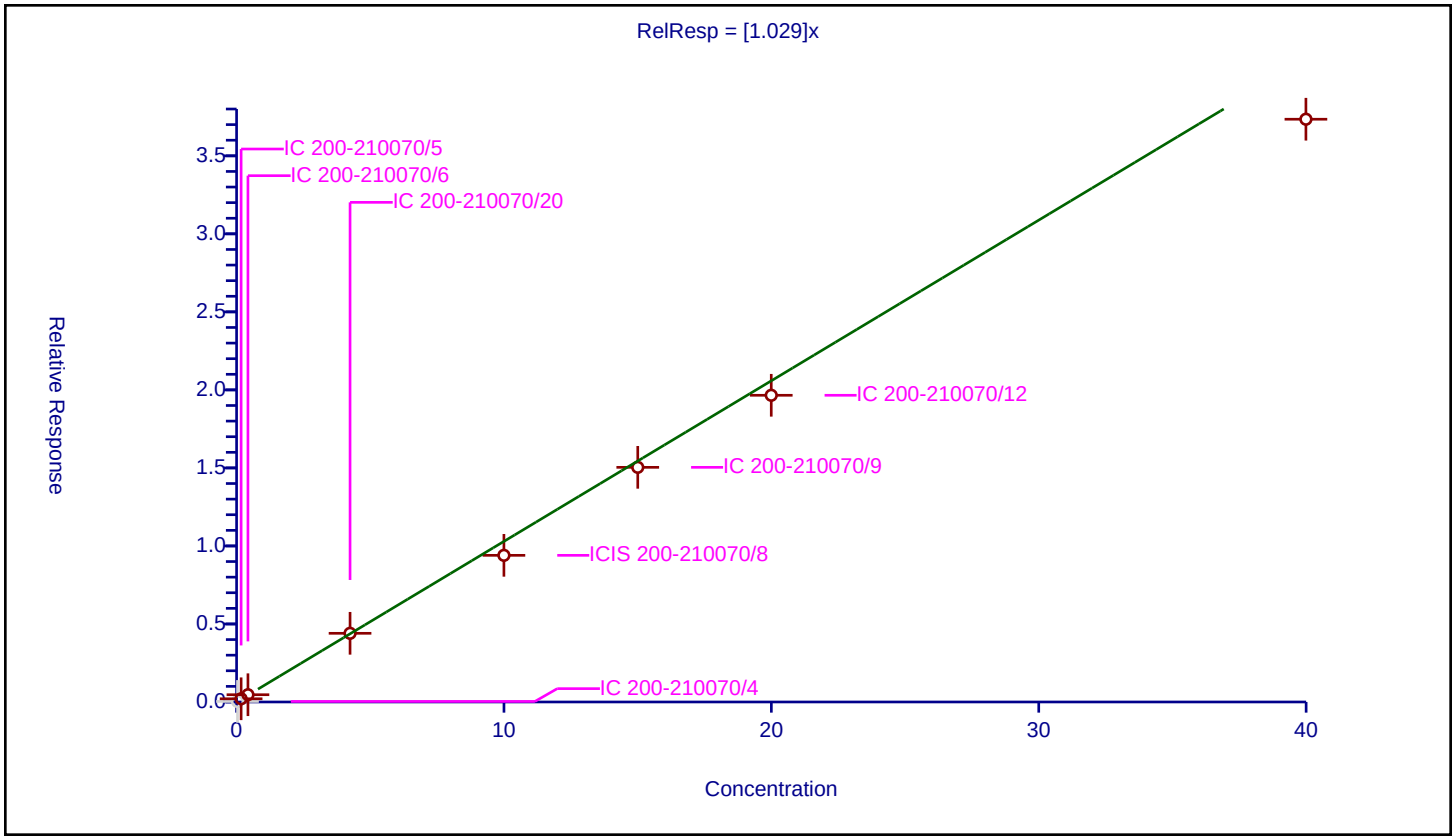
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.034496	10.0	688771.0	0.983445	N
2	IC 200-210070/5	0.170374	0.206714	10.0	642483.0	1.213295	Y
3	IC 200-210070/6	0.425385	0.466149	10.0	641834.0	1.095828	Y
4	IC 200-210070/20	4.243678	4.400636	10.0	694152.0	1.036986	Y
5	ICIS 200-210070/8	9.99806	9.397462	10.0	713216.0	0.939929	Y
6	IC 200-210070/9	15.003557	15.037027	10.0	663568.0	1.002231	Y
7	IC 200-210070/12	19.99612	19.654999	10.0	652781.0	0.982941	Y
8	IC 200-210070/13	39.99224	37.345928	10.0	679891.0	0.933829	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

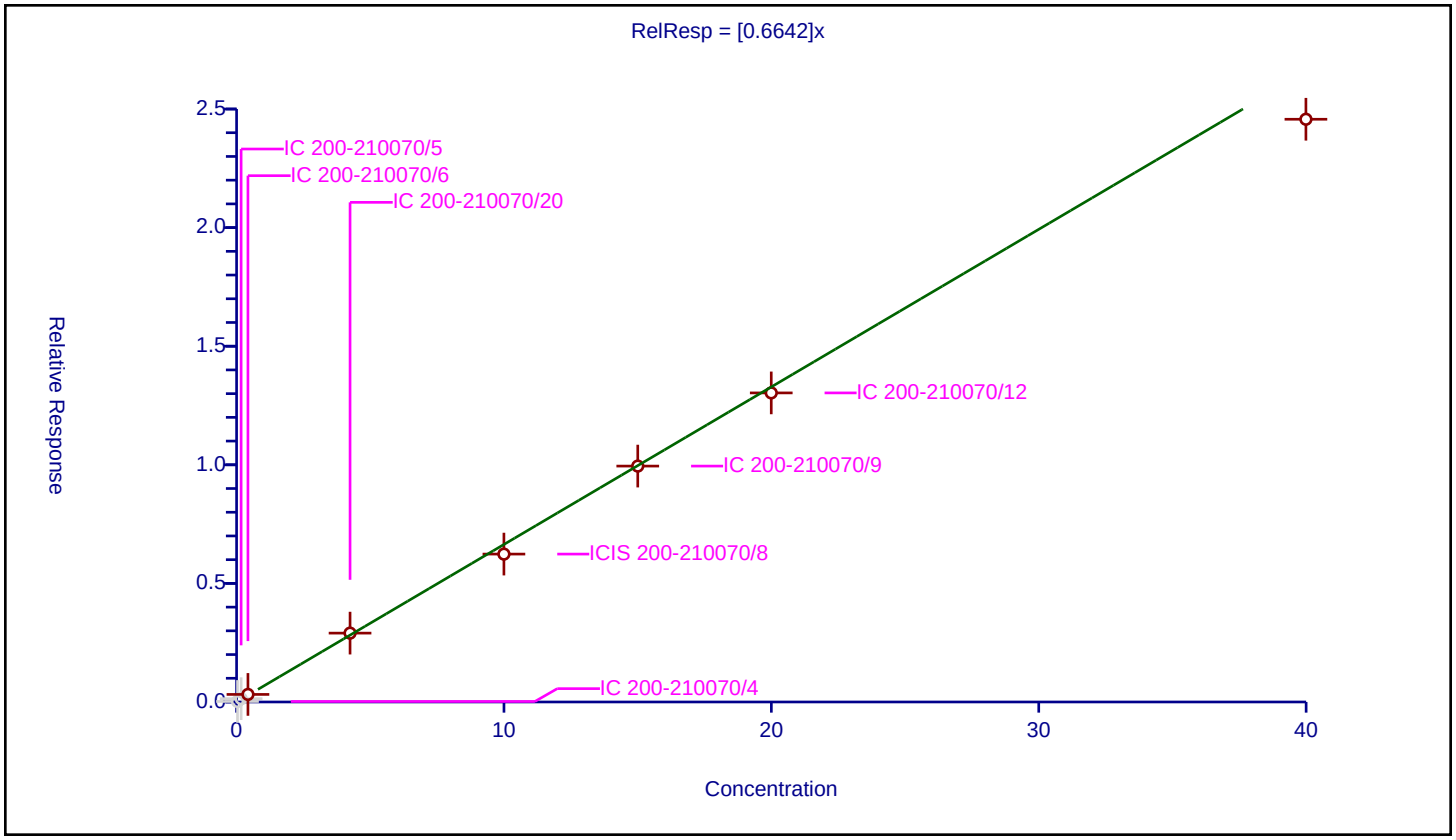
Curve Coefficients

Intercept:	0
Slope:	0.6642

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.021967	10.0	688771.0	0.626242	N
2	IC 200-210070/5	0.170374	0.140486	10.0	642483.0	0.824577	N
3	IC 200-210070/6	0.425385	0.318431	10.0	641834.0	0.748572	Y
4	IC 200-210070/20	4.243678	2.903442	10.0	694152.0	0.68418	Y
5	ICIS 200-210070/8	9.99806	6.235236	10.0	713216.0	0.623645	Y
6	IC 200-210070/9	15.003557	9.945477	10.0	663568.0	0.662875	Y
7	IC 200-210070/12	19.99612	13.0312	10.0	652781.0	0.651686	Y
8	IC 200-210070/13	39.99224	24.567909	10.0	679891.0	0.614317	Y



Calibration / 2-Methylbutane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

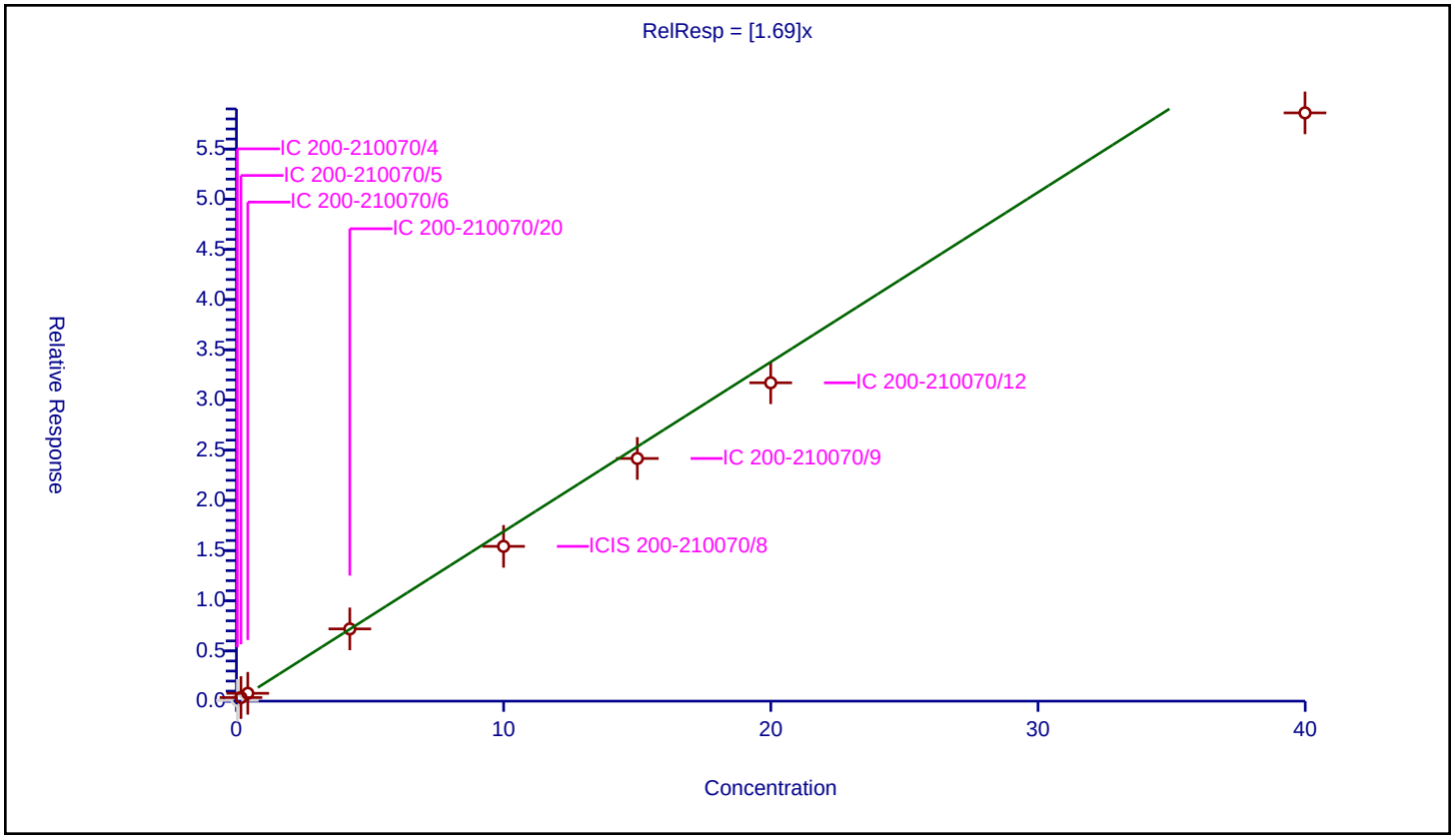
Curve Coefficients

Intercept:	0
Slope:	1.69

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.067453	10.0	688771.0	1.923015	N
2	IC 200-210070/5	0.170374	0.355807	10.0	642483.0	2.088392	Y
3	IC 200-210070/6	0.425385	0.782165	10.0	641834.0	1.838724	Y
4	IC 200-210070/20	4.243678	7.195715	10.0	694152.0	1.695632	Y
5	ICIS 200-210070/8	9.99806	15.41913	10.0	713216.0	1.542212	Y
6	IC 200-210070/9	15.003557	24.175442	10.0	663568.0	1.611314	Y
7	IC 200-210070/12	19.99612	31.714894	10.0	652781.0	1.586052	Y
8	IC 200-210070/13	39.99224	58.600864	10.0	679891.0	1.465306	Y



Calibration / Vinyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

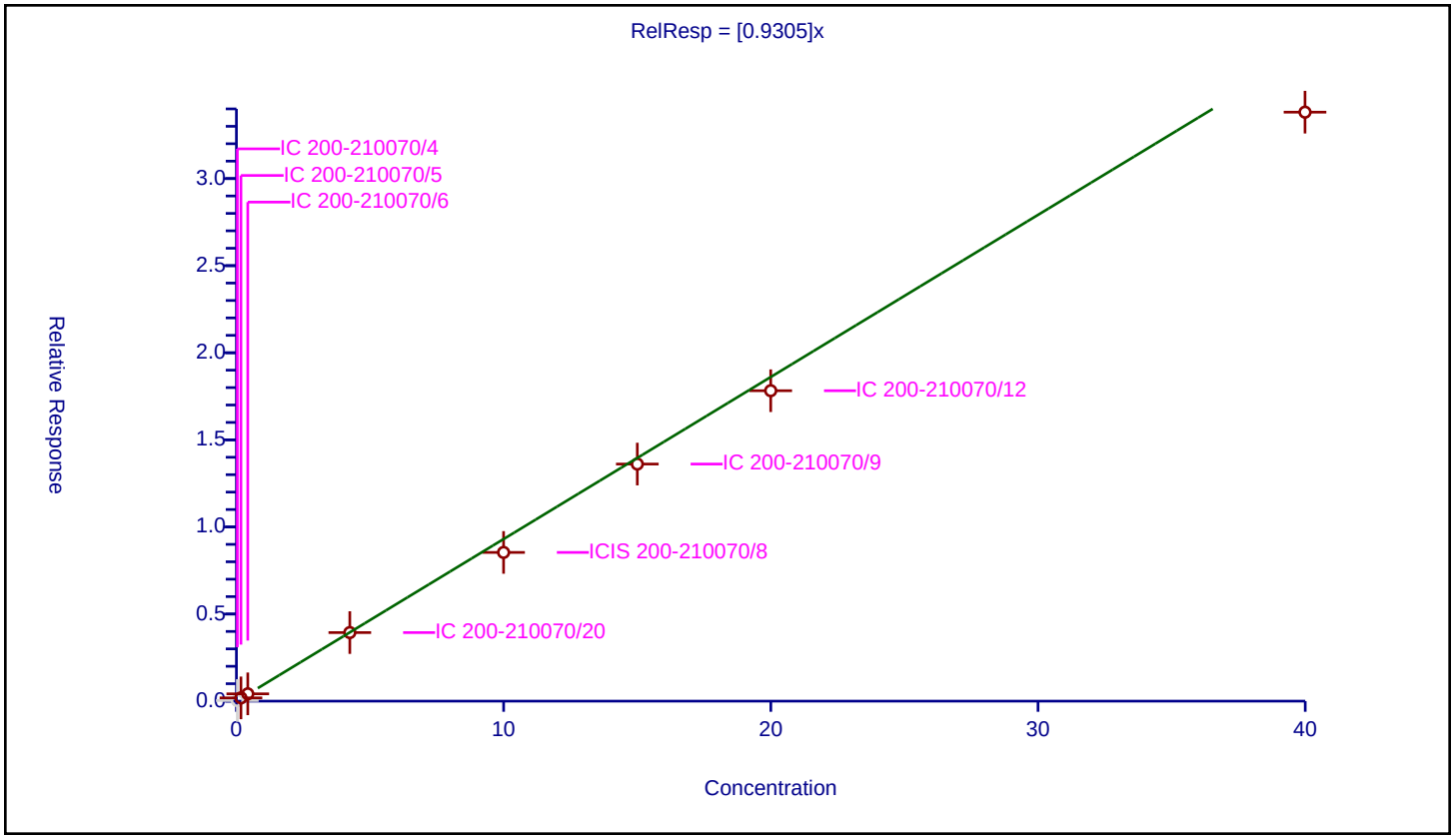
Curve Coefficients

Intercept:	0
Slope:	0.9305

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.033669	10.0	688771.0	0.959852	N
2	IC 200-210070/5	0.170374	0.187476	10.0	642483.0	1.10038	Y
3	IC 200-210070/6	0.425385	0.420109	10.0	641834.0	0.987597	Y
4	IC 200-210070/20	4.243678	3.937048	10.0	694152.0	0.927744	Y
5	ICIS 200-210070/8	9.99806	8.537666	10.0	713216.0	0.853932	Y
6	IC 200-210070/9	15.003557	13.611084	10.0	663568.0	0.907191	Y
7	IC 200-210070/12	19.99612	17.822164	10.0	652781.0	0.891281	Y
8	IC 200-210070/13	39.99224	33.81164	10.0	679891.0	0.845455	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

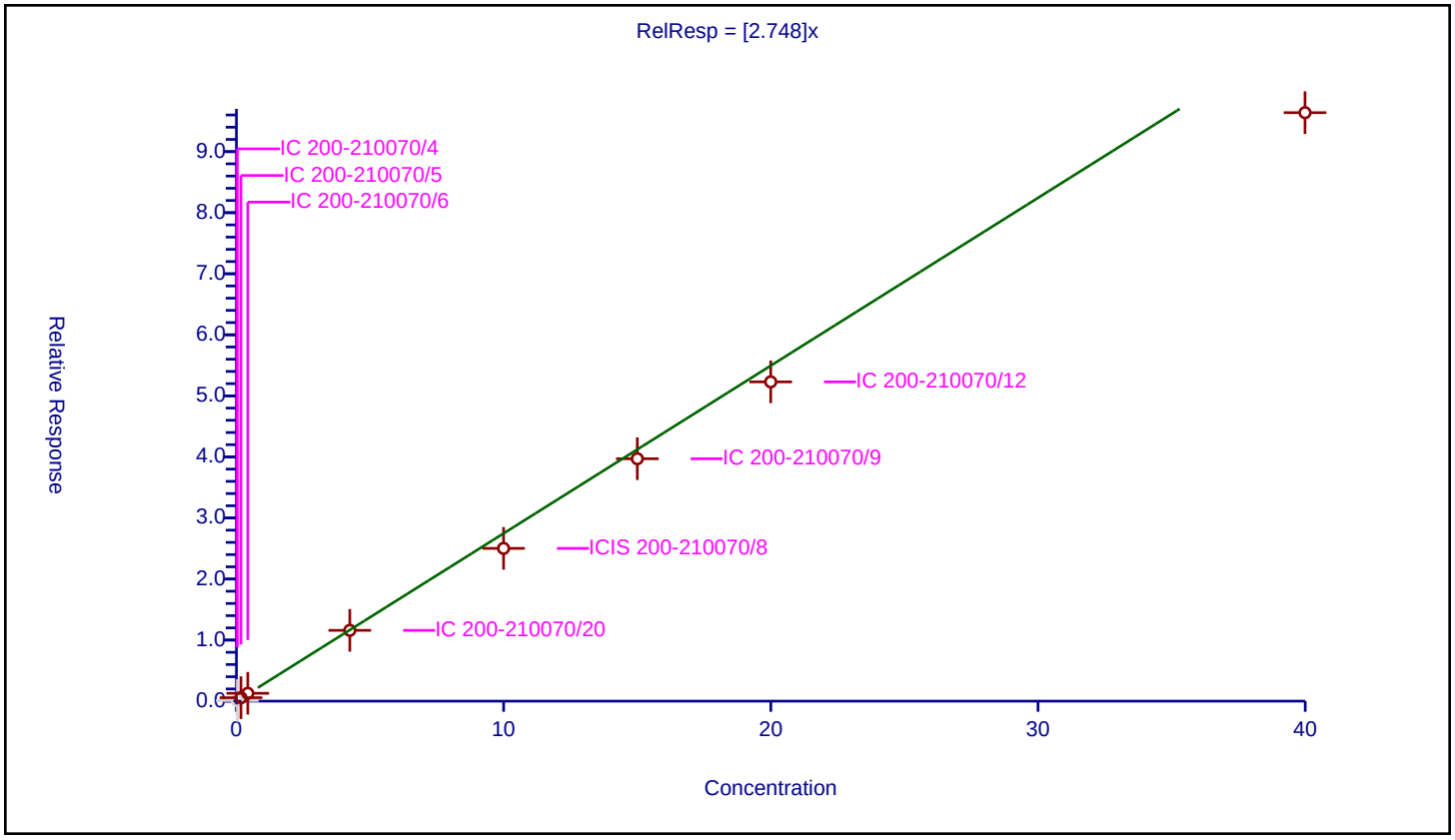
Curve Coefficients

Intercept:	0
Slope:	2.748

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.097855	10.0	688771.0	2.789737	N
2	IC 200-210070/5	0.170374	0.562848	10.0	642483.0	3.303606	Y
3	IC 200-210070/6	0.425385	1.286485	10.0	641834.0	3.024287	Y
4	IC 200-210070/20	4.243678	11.591107	10.0	694152.0	2.731382	Y
5	ICIS 200-210070/8	9.99806	25.020288	10.0	713216.0	2.502514	Y
6	IC 200-210070/9	15.003557	39.704401	10.0	663568.0	2.646333	Y
7	IC 200-210070/12	19.99612	52.291075	10.0	652781.0	2.615061	Y
8	IC 200-210070/13	39.99224	96.382626	10.0	679891.0	2.410033	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

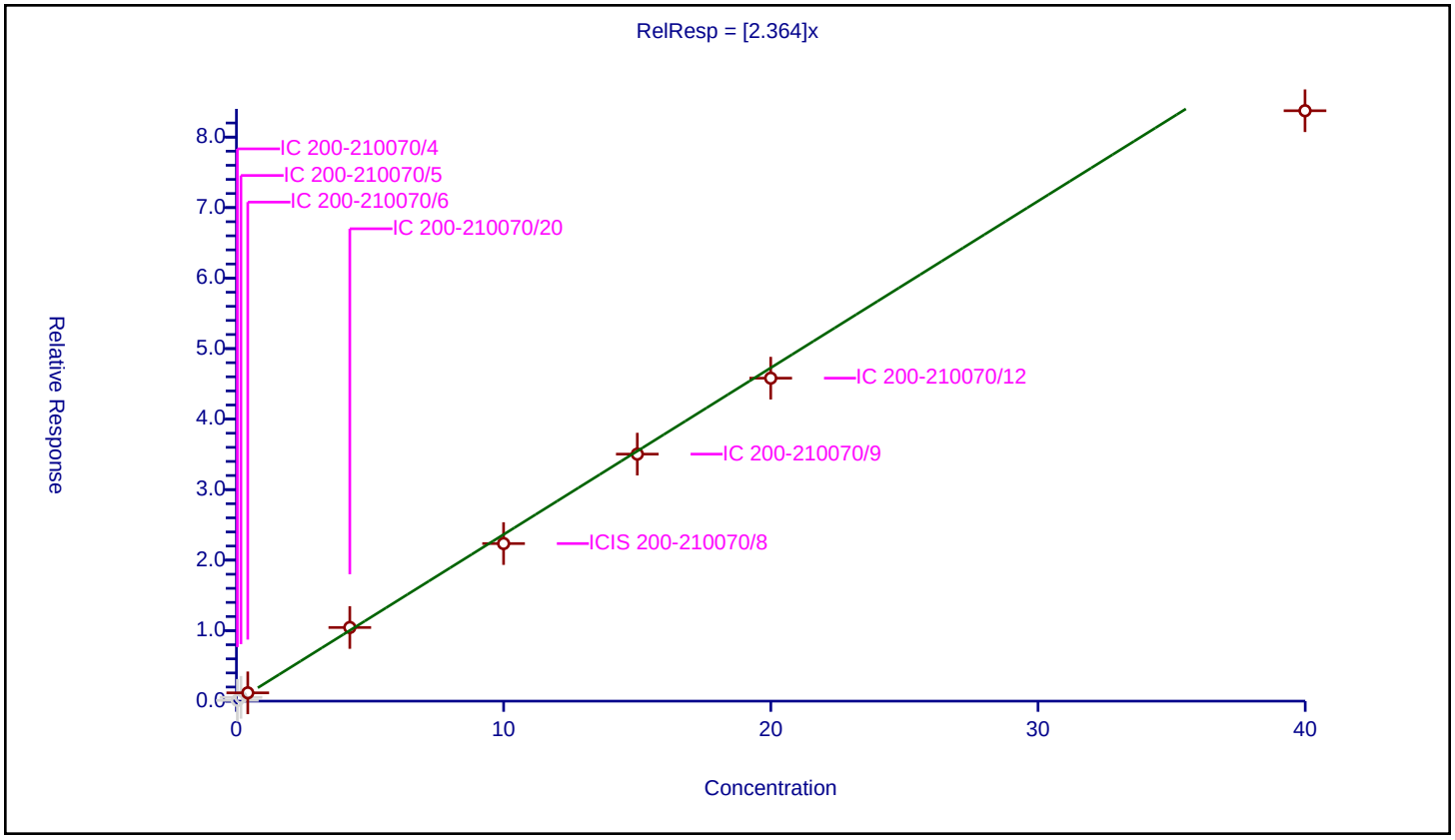
Curve Coefficients

Intercept:	0
Slope:	2.364

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.110095	10.0	688771.0	3.138662	N
2	IC 200-210070/5	0.170374	0.536217	10.0	642483.0	3.147296	N
3	IC 200-210070/6	0.425385	1.176971	10.0	641834.0	2.766839	Y
4	IC 200-210070/20	4.243678	10.445882	10.0	694152.0	2.461516	Y
5	ICIS 200-210070/8	9.99806	22.348293	10.0	713216.0	2.235263	Y
6	IC 200-210070/9	15.003557	35.035354	10.0	663568.0	2.335137	Y
7	IC 200-210070/12	19.99612	45.808104	10.0	652781.0	2.29085	Y
8	IC 200-210070/13	39.99224	83.738099	10.0	679891.0	2.093859	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

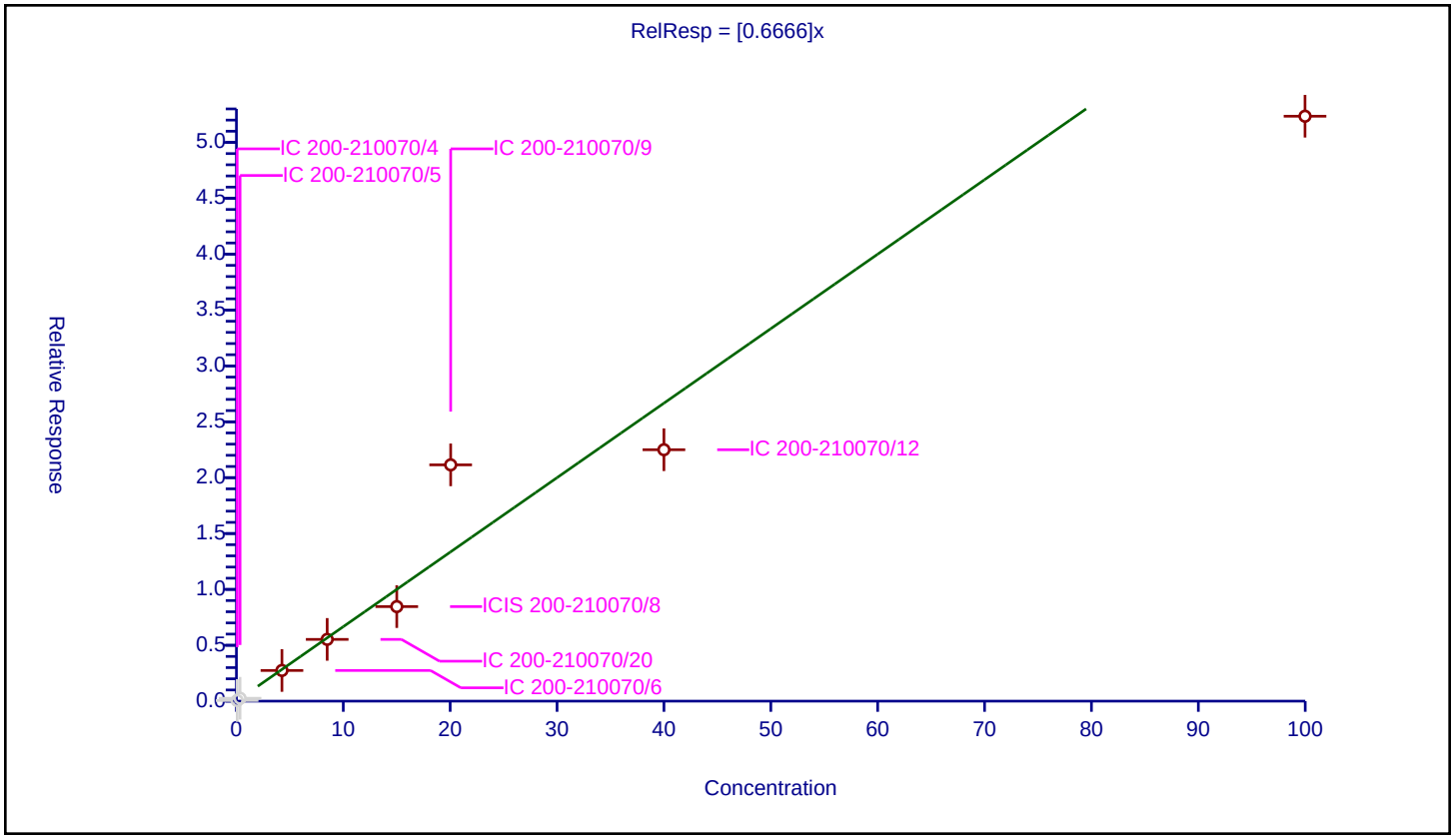
Curve Coefficients

Intercept:	0
Slope:	0.6666

Error Coefficients

Relative Standard Deviation:	29.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.070165	0.056652	10.0	688771.0	0.807403	N
2	IC 200-210070/5	0.340803	0.259353	10.0	642483.0	0.761007	N
3	IC 200-210070/6	4.259043	2.74571	10.0	641834.0	0.644678	Y
4	IC 200-210070/20	8.492854	5.525533	10.0	694152.0	0.65061	Y
5	ICIS 200-210070/8	15.003557	8.459148	10.0	713216.0	0.56381	Y
6	IC 200-210070/9	20.047856	21.144977	10.0	663568.0	1.054725	Y
7	IC 200-210070/12	39.998707	22.499322	10.0	652781.0	0.562501	Y
8	IC 200-210070/13	99.980599	52.345141	10.0	679891.0	0.523553	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

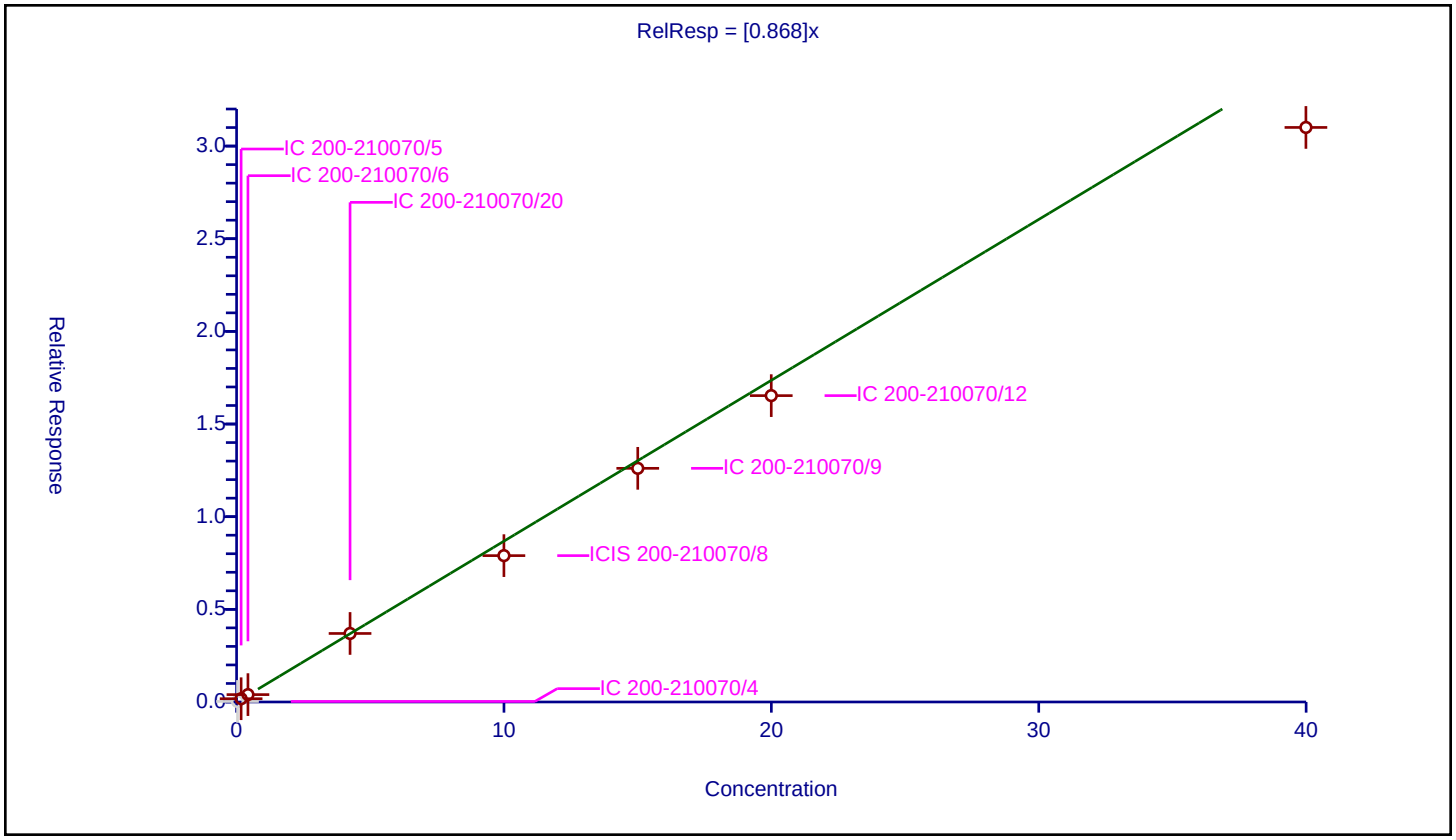
Curve Coefficients

Intercept:	0
Slope:	0.868

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.029357	10.0	688771.0	0.836921	N
2	IC 200-210070/5	0.170374	0.176425	10.0	642483.0	1.035517	Y
3	IC 200-210070/6	0.425385	0.398421	10.0	641834.0	0.936613	Y
4	IC 200-210070/20	4.243678	3.697807	10.0	694152.0	0.871368	Y
5	ICIS 200-210070/8	9.99806	7.898477	10.0	713216.0	0.790001	Y
6	IC 200-210070/9	15.003557	12.609333	10.0	663568.0	0.840423	Y
7	IC 200-210070/12	19.99612	16.533324	10.0	652781.0	0.826827	Y
8	IC 200-210070/13	39.99224	31.006044	10.0	679891.0	0.775302	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

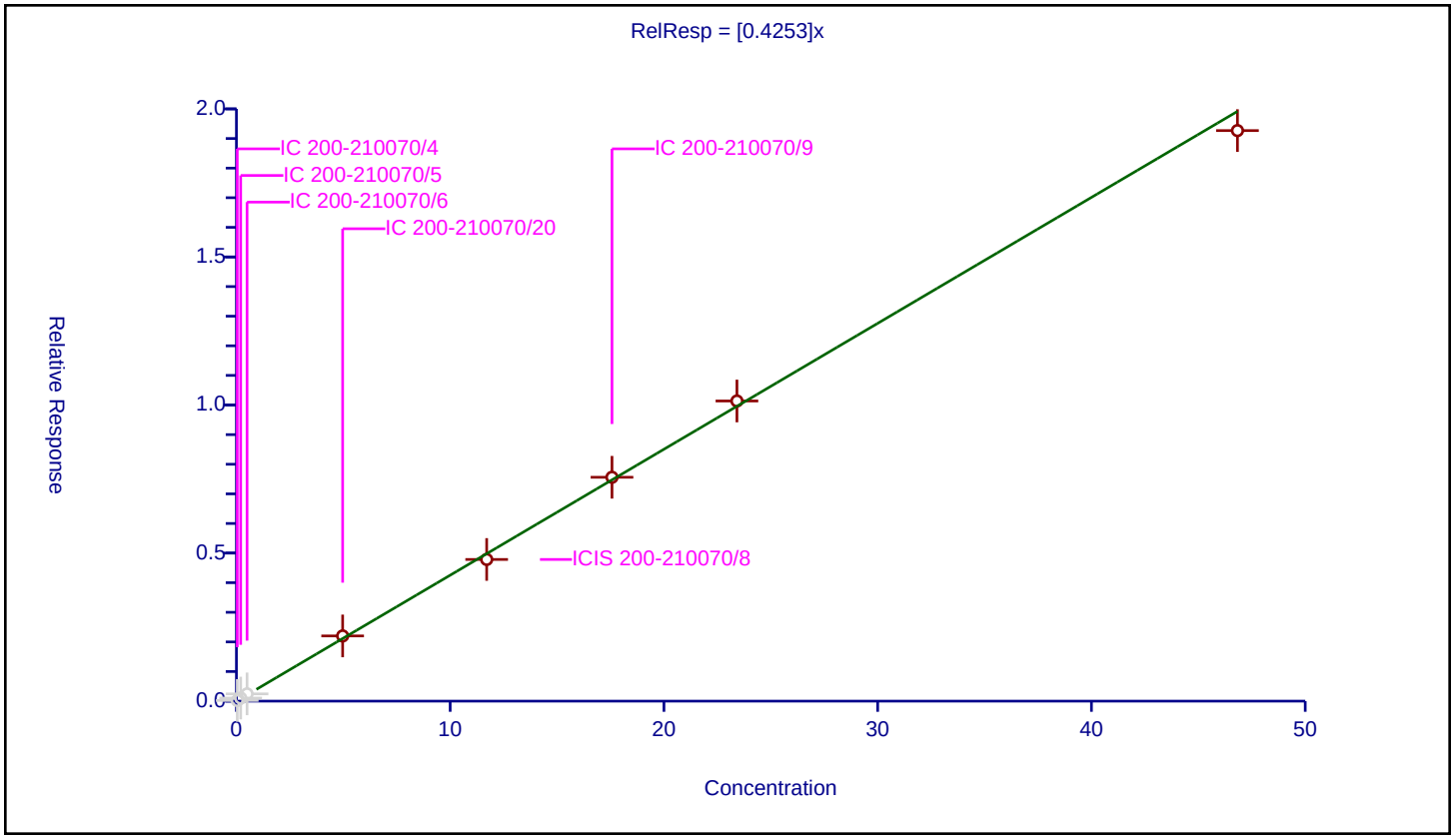
Curve Coefficients

Intercept:	0
Slope:	0.4253

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.041075	0.021865	10.0	688771.0	0.532318	N
2	IC 200-210070/5	0.199508	0.104221	10.0	642483.0	0.522389	N
3	IC 200-210070/6	0.498125	0.244798	10.0	641834.0	0.491439	N
4	IC 200-210070/20	4.969347	2.202111	10.0	694152.0	0.443139	Y
5	ICIS 200-210070/8	11.707728	4.784778	10.0	713216.0	0.408685	Y
6	IC 200-210070/9	17.569165	7.559919	10.0	663568.0	0.430295	Y
7	IC 200-210070/12	23.415456	10.135635	10.0	652781.0	0.432861	Y
8	IC 200-210070/13	46.830913	19.267309	10.0	679891.0	0.411423	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

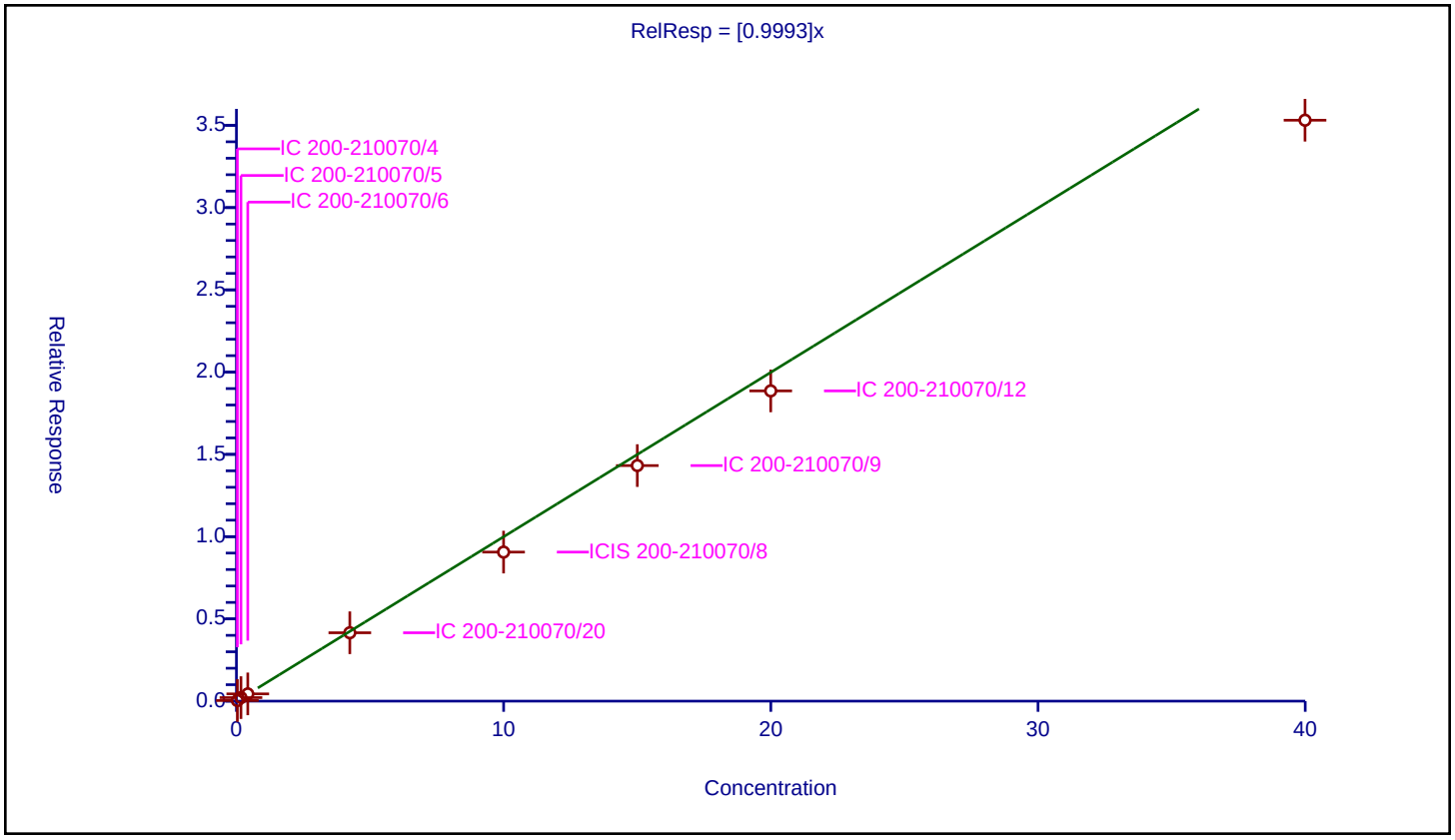
Curve Coefficients

Intercept:	0
Slope:	0.9993

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.036064	10.0	688771.0	1.028147	Y
2	IC 200-210070/5	0.170374	0.215305	10.0	642483.0	1.263724	Y
3	IC 200-210070/6	0.425385	0.440768	10.0	641834.0	1.036164	Y
4	IC 200-210070/20	4.243678	4.156467	10.0	694152.0	0.979449	Y
5	ICIS 200-210070/8	9.99806	9.061196	10.0	713216.0	0.906295	Y
6	IC 200-210070/9	15.003557	14.319226	10.0	663568.0	0.954389	Y
7	IC 200-210070/12	19.99612	18.859204	10.0	652781.0	0.943143	Y
8	IC 200-210070/13	39.99224	35.312307	10.0	679891.0	0.882979	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

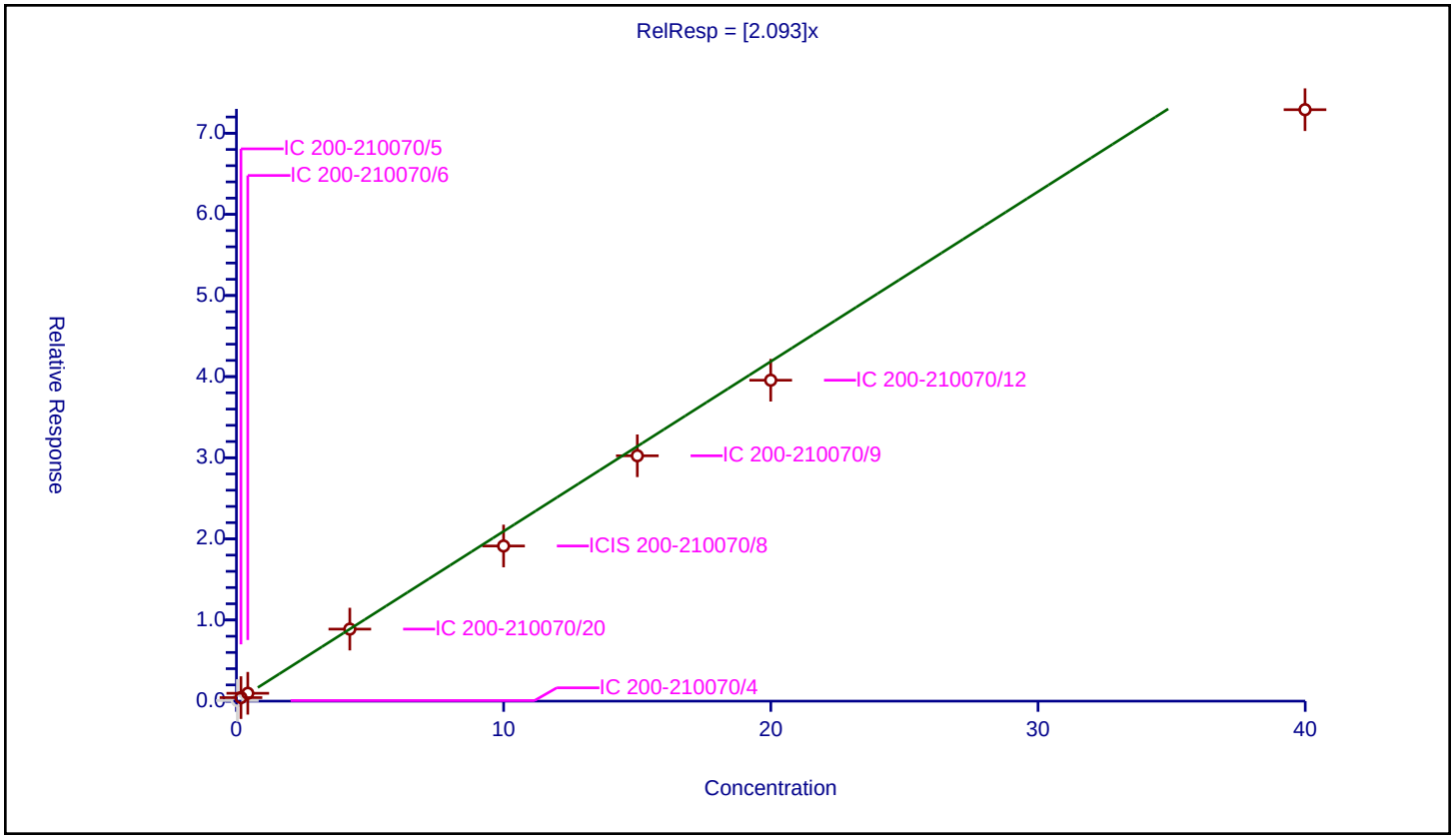
Curve Coefficients

Intercept:	0
Slope:	2.093

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.072216	10.0	688771.0	2.058777	N
2	IC 200-210070/5	0.170374	0.435233	10.0	642483.0	2.55458	Y
3	IC 200-210070/6	0.425385	0.968521	10.0	641834.0	2.276813	Y
4	IC 200-210070/20	4.243678	8.876932	10.0	694152.0	2.091801	Y
5	ICIS 200-210070/8	9.99806	19.124417	10.0	713216.0	1.912813	Y
6	IC 200-210070/9	15.003557	30.243276	10.0	663568.0	2.01574	Y
7	IC 200-210070/12	19.99612	39.557646	10.0	652781.0	1.978266	Y
8	IC 200-210070/13	39.99224	72.900921	10.0	679891.0	1.822877	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

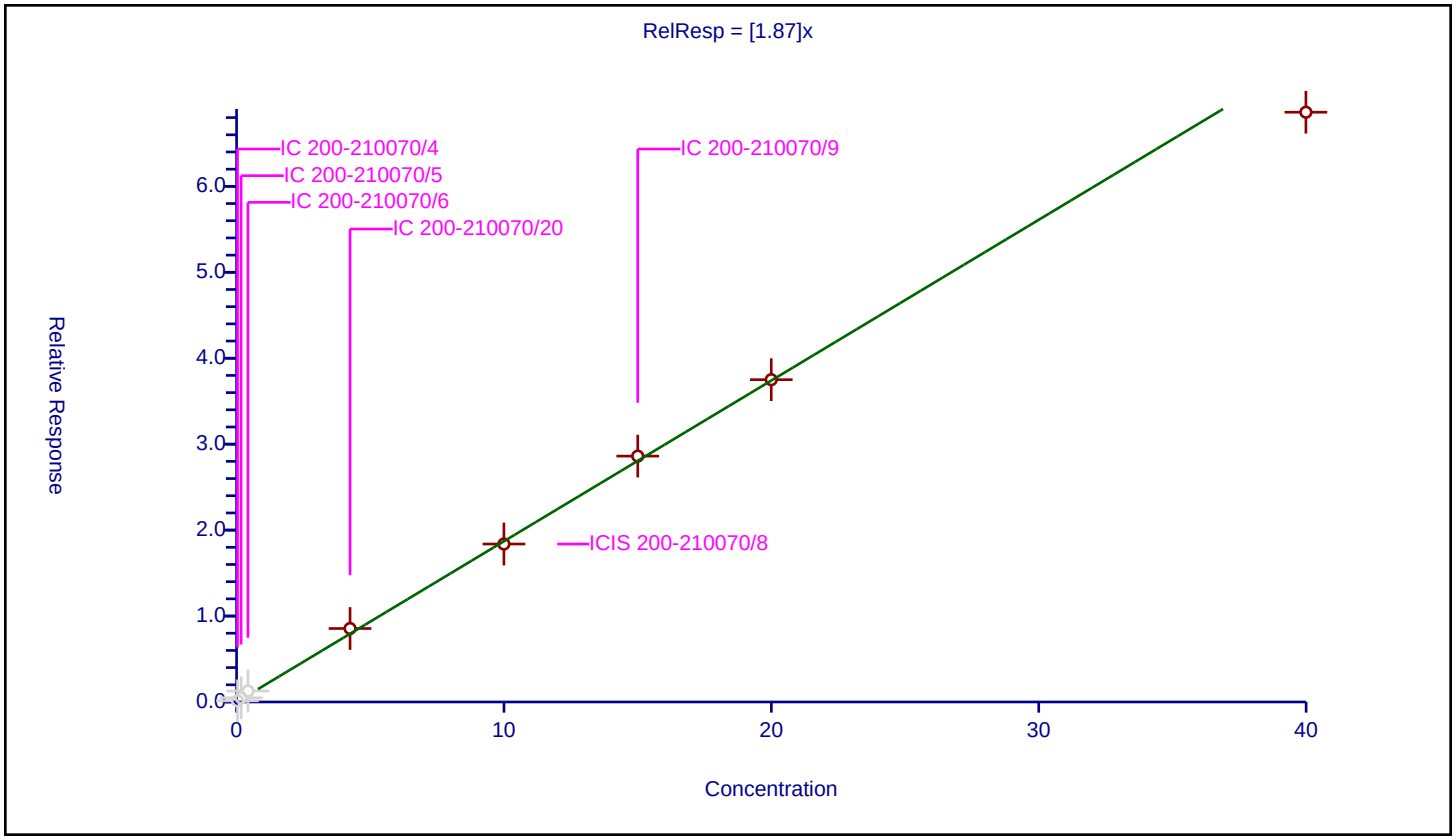
Curve Coefficients

Intercept:	0
Slope:	1.87

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.134399	10.0	688771.0	3.831543	N
2	IC 200-210070/5	0.170374	0.484558	10.0	642483.0	2.844086	N
3	IC 200-210070/6	0.425385	1.272603	10.0	641834.0	2.991652	N
4	IC 200-210070/20	4.243678	8.548935	10.0	694152.0	2.01451	Y
5	ICIS 200-210070/8	9.99806	18.379986	10.0	713216.0	1.838355	Y
6	IC 200-210070/9	15.003557	28.611793	10.0	663568.0	1.907001	Y
7	IC 200-210070/12	19.99612	37.504921	10.0	652781.0	1.87561	Y
8	IC 200-210070/13	39.99224	68.627559	10.0	679891.0	1.716022	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

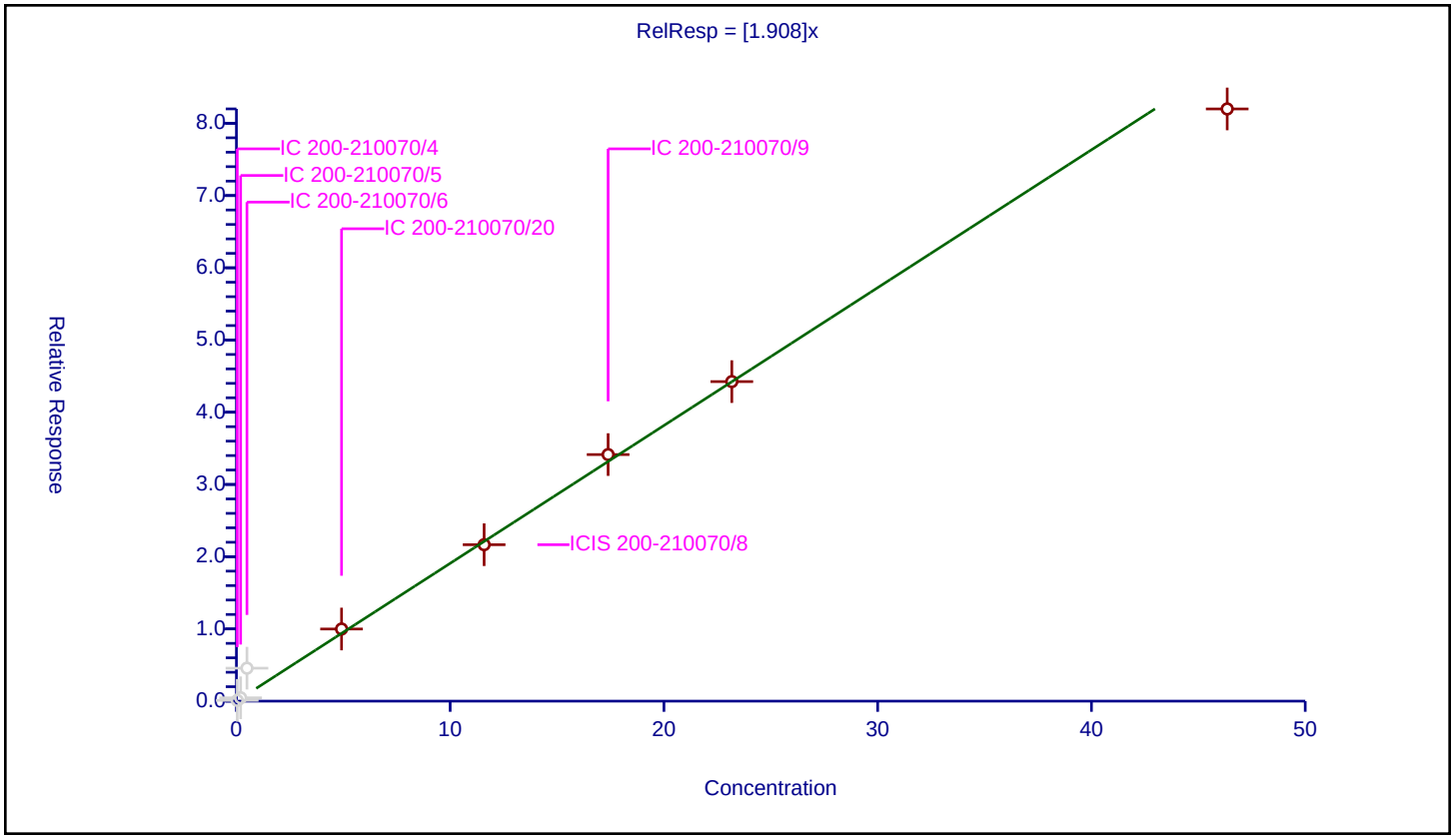
Curve Coefficients

Intercept:	0
Slope:	1.908

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.040654	0.103605	10.0	688771.0	2.548442	N
2	IC 200-210070/5	0.197463	0.464448	10.0	642483.0	2.352075	N
3	IC 200-210070/6	0.493021	4.564093	10.0	641834.0	9.257403	N
4	IC 200-210070/20	4.918423	9.988057	10.0	694152.0	2.030744	Y
5	ICIS 200-210070/8	11.587751	21.660983	10.0	713216.0	1.8693	Y
6	IC 200-210070/9	17.389122	34.136622	10.0	663568.0	1.963102	Y
7	IC 200-210070/12	23.175503	44.241193	10.0	652781.0	1.908964	Y
8	IC 200-210070/13	46.351006	81.992893	10.0	679891.0	1.768956	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

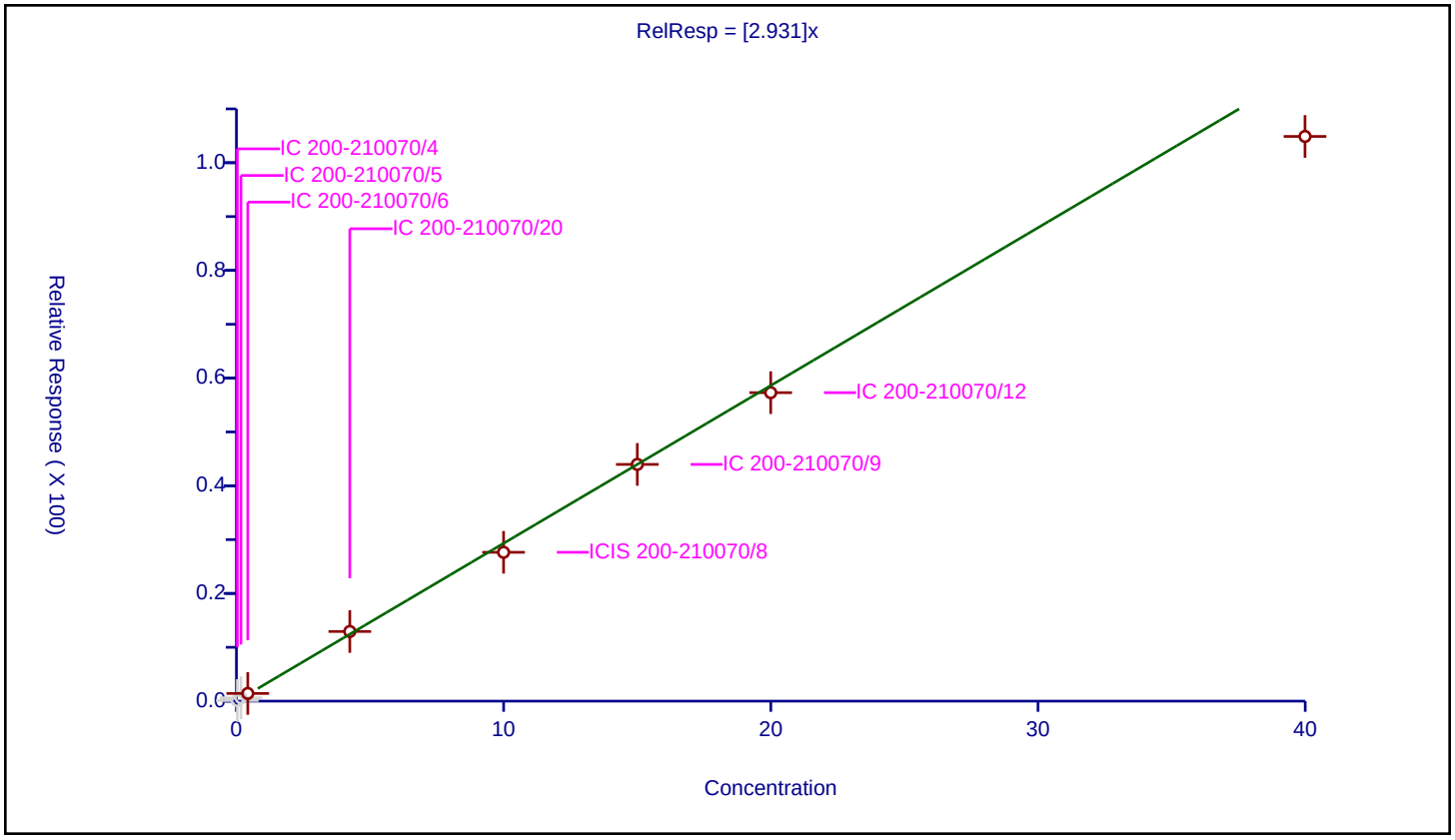
Curve Coefficients

Intercept:	0
Slope:	2.931

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.111416	10.0	688771.0	3.176327	N
2	IC 200-210070/5	0.170374	0.626958	10.0	642483.0	3.6799	N
3	IC 200-210070/6	0.425385	1.426631	10.0	641834.0	3.353742	Y
4	IC 200-210070/20	4.243678	12.94012	10.0	694152.0	3.04927	Y
5	ICIS 200-210070/8	9.99806	27.647277	10.0	713216.0	2.765264	Y
6	IC 200-210070/9	15.003557	43.972102	10.0	663568.0	2.930779	Y
7	IC 200-210070/12	19.99612	57.295969	10.0	652781.0	2.865354	Y
8	IC 200-210070/13	39.99224	104.88593	10.0	679891.0	2.622657	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

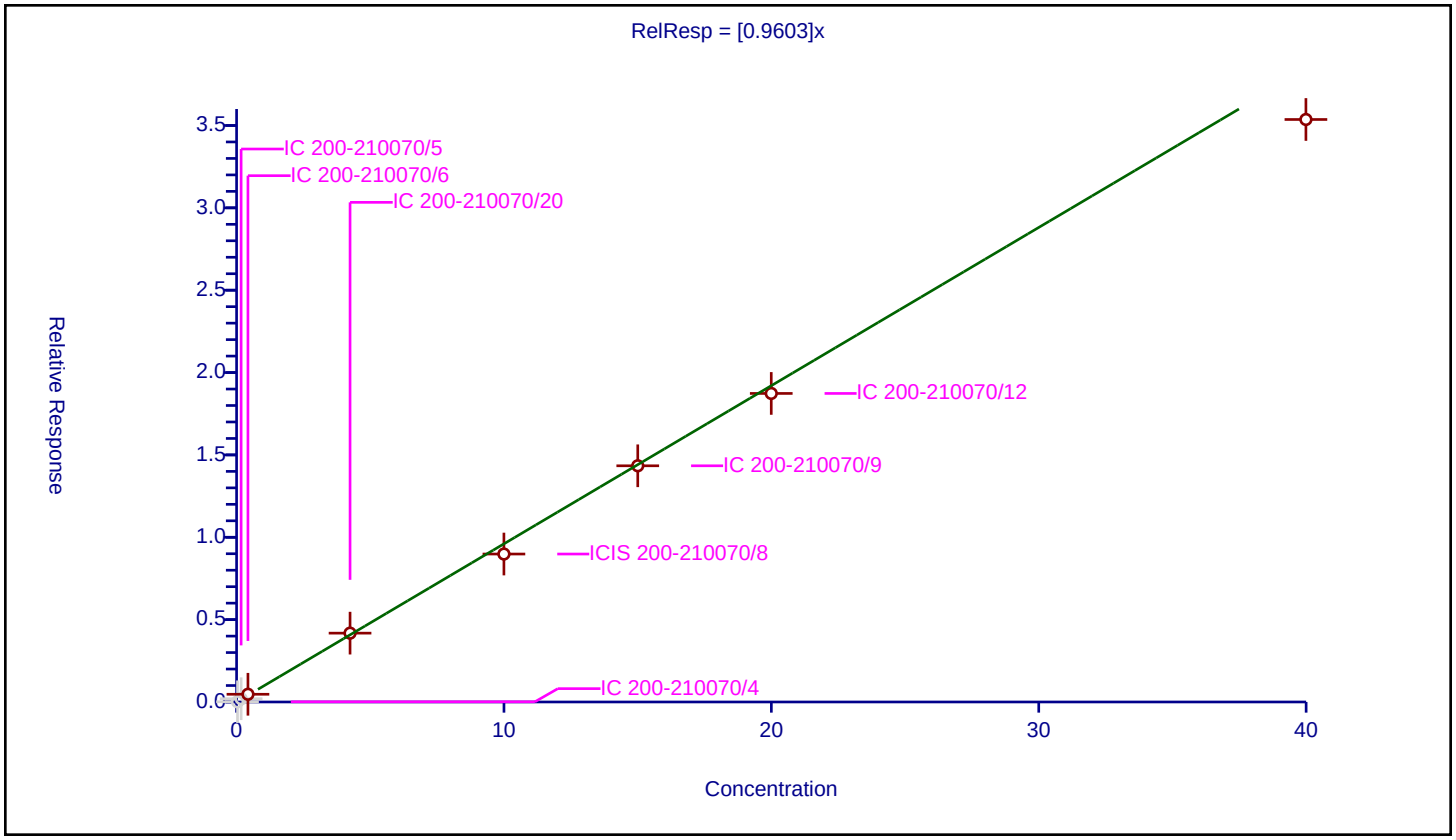
Curve Coefficients

Intercept:	0
Slope:	0.9603

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.012297	10.0	688771.0	0.35058	N
2	IC 200-210070/5	0.170374	0.198106	10.0	642483.0	1.162776	N
3	IC 200-210070/6	0.425385	0.468548	10.0	641834.0	1.101469	Y
4	IC 200-210070/20	4.243678	4.179863	10.0	694152.0	0.984962	Y
5	ICIS 200-210070/8	9.99806	8.983506	10.0	713216.0	0.898525	Y
6	IC 200-210070/9	15.003557	14.340429	10.0	663568.0	0.955802	Y
7	IC 200-210070/12	19.99612	18.731795	10.0	652781.0	0.936772	Y
8	IC 200-210070/13	39.99224	35.363772	10.0	679891.0	0.884266	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

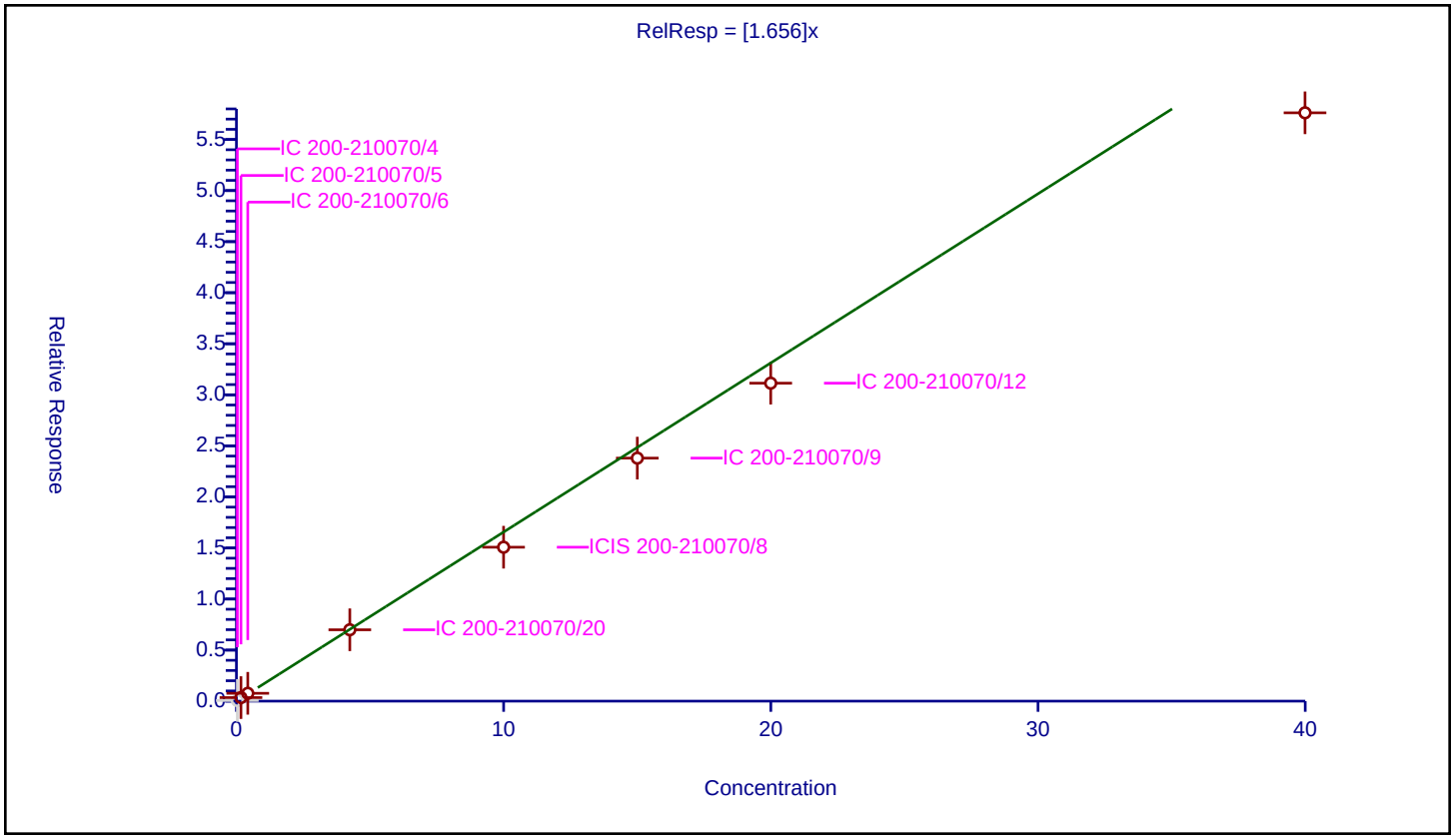
Curve Coefficients

Intercept:	0
Slope:	1.656

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.061835	10.0	688771.0	1.762833	N
2	IC 200-210070/5	0.170374	0.349254	10.0	642483.0	2.049931	Y
3	IC 200-210070/6	0.425385	0.767628	10.0	641834.0	1.804551	Y
4	IC 200-210070/20	4.243678	6.990184	10.0	694152.0	1.647199	Y
5	ICIS 200-210070/8	9.99806	15.074255	10.0	713216.0	1.507718	Y
6	IC 200-210070/9	15.003557	23.800123	10.0	663568.0	1.586299	Y
7	IC 200-210070/12	19.99612	31.138529	10.0	652781.0	1.557229	Y
8	IC 200-210070/13	39.99224	57.617147	10.0	679891.0	1.440708	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

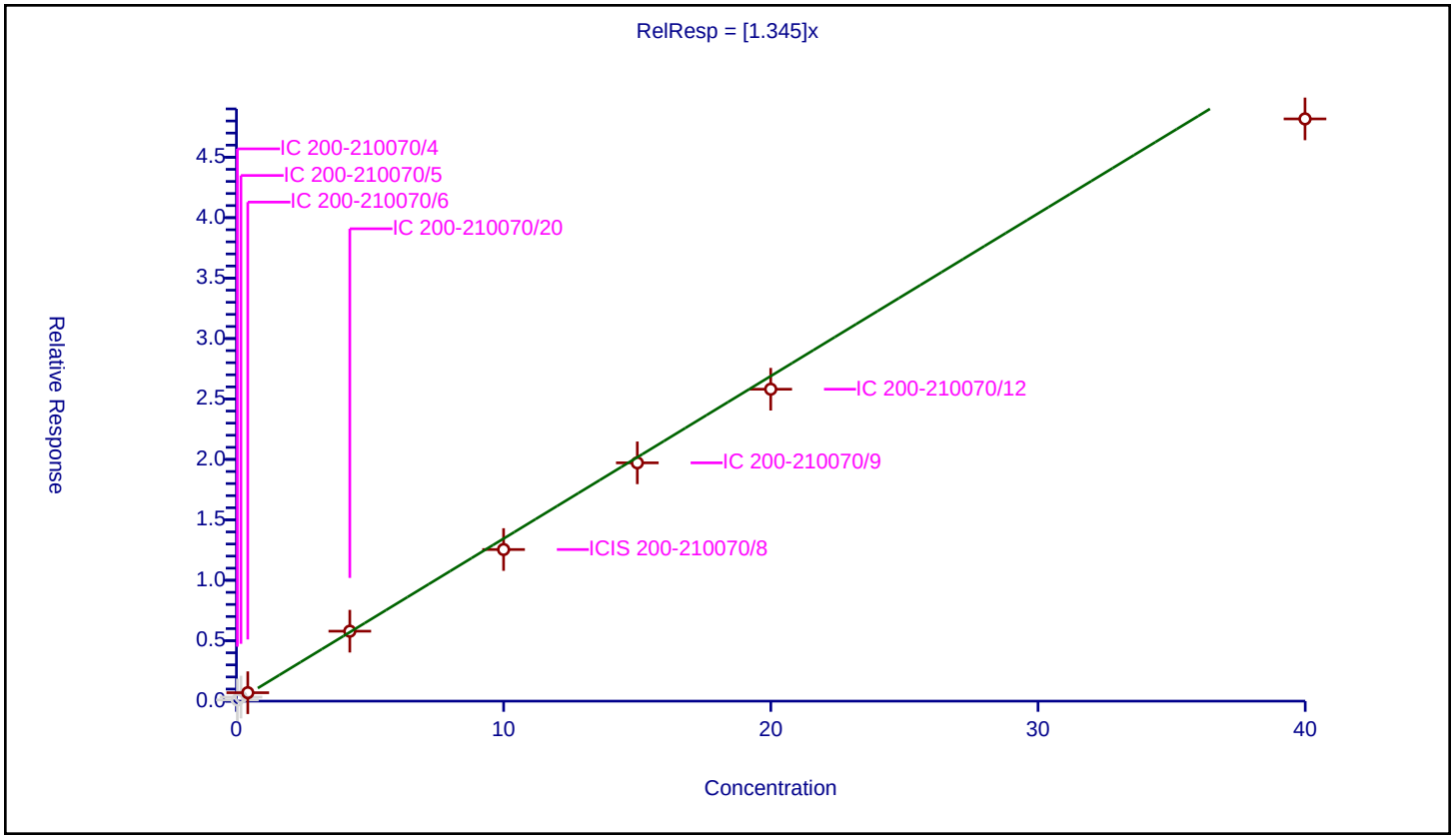
Curve Coefficients

Intercept:	0
Slope:	1.345

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.097333	10.0	688771.0	2.774837	N
2	IC 200-210070/5	0.170374	0.335666	10.0	642483.0	1.970178	N
3	IC 200-210070/6	0.425385	0.698249	10.0	641834.0	1.641453	Y
4	IC 200-210070/20	4.243678	5.787825	10.0	694152.0	1.36387	Y
5	ICIS 200-210070/8	9.99806	12.542918	10.0	713216.0	1.254535	Y
6	IC 200-210070/9	15.003557	19.716171	10.0	663568.0	1.3141	Y
7	IC 200-210070/12	19.99612	25.807645	10.0	652781.0	1.290633	Y
8	IC 200-210070/13	39.99224	48.170839	10.0	679891.0	1.204505	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

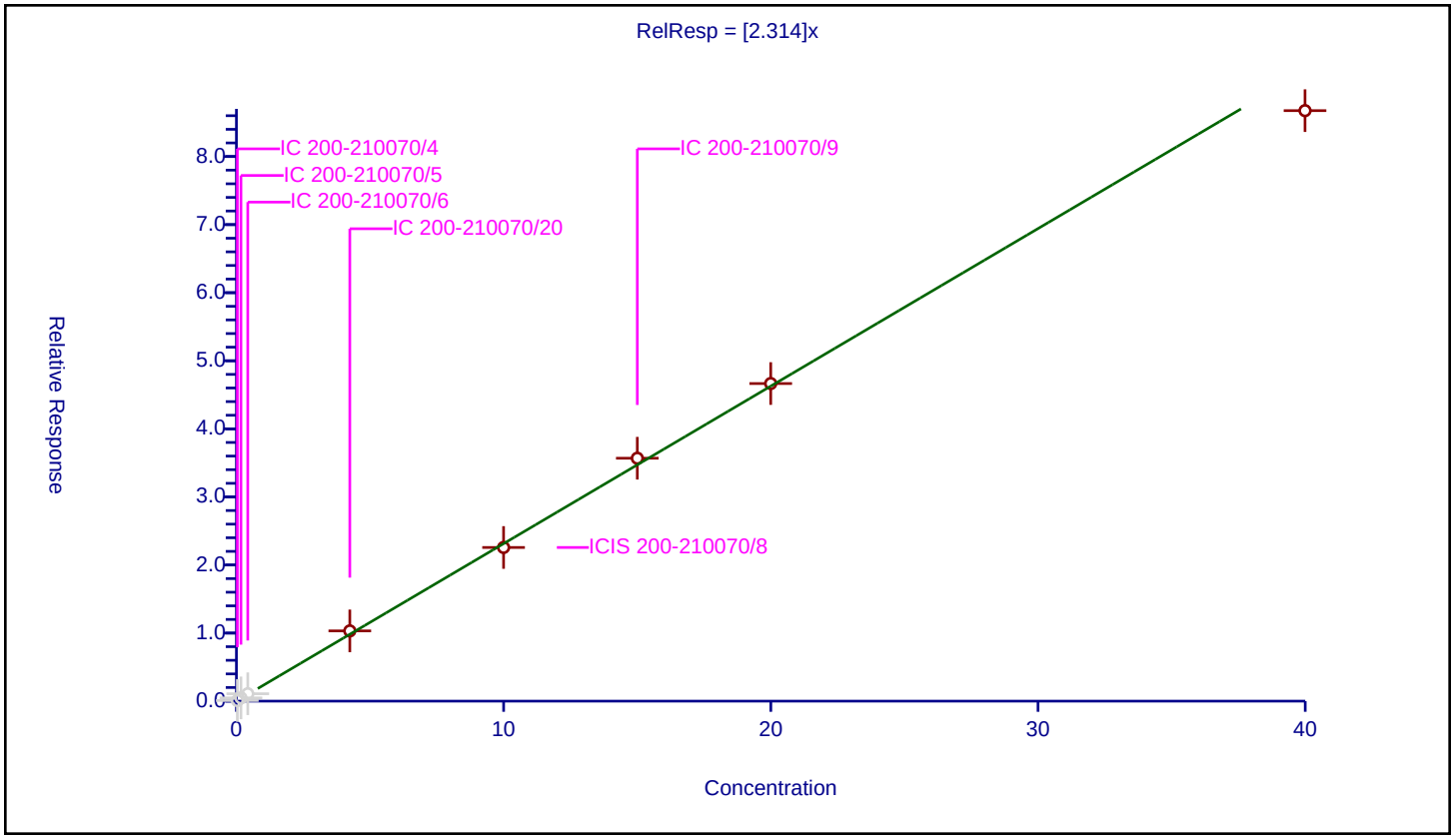
Curve Coefficients

Intercept:	0
Slope:	2.314

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.087126	10.0	688771.0	2.48386	N
2	IC 200-210070/5	0.170374	0.474799	10.0	642483.0	2.786806	N
3	IC 200-210070/6	0.425385	1.084237	10.0	641834.0	2.548838	N
4	IC 200-210070/20	4.243678	10.318849	10.0	694152.0	2.431581	Y
5	ICIS 200-210070/8	9.99806	22.572404	10.0	713216.0	2.257678	Y
6	IC 200-210070/9	15.003557	35.683909	10.0	663568.0	2.378363	Y
7	IC 200-210070/12	19.99612	46.655448	10.0	652781.0	2.333225	Y
8	IC 200-210070/13	39.99224	86.74011	10.0	679891.0	2.168924	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

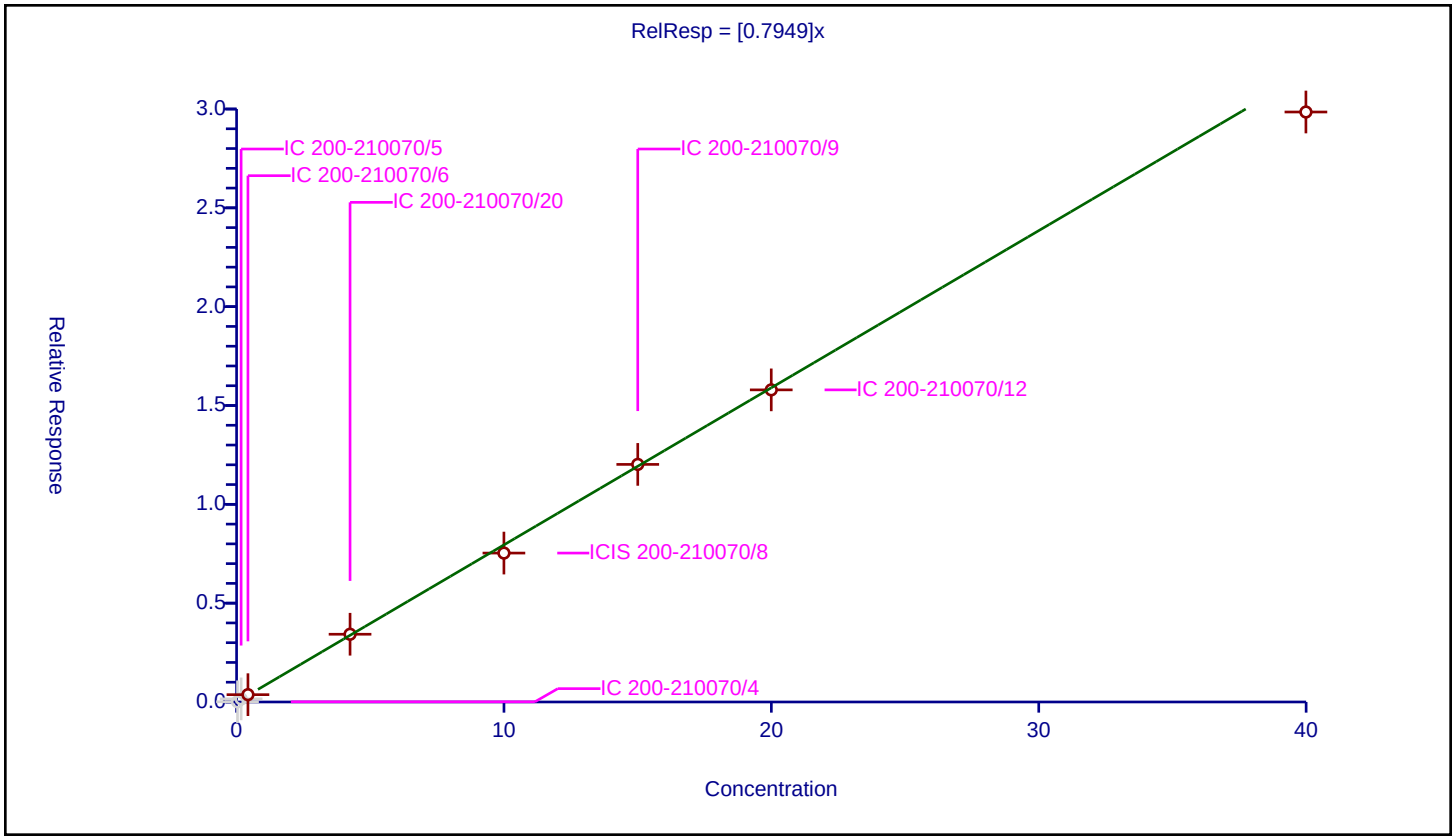
Curve Coefficients

Intercept:	0
Slope:	0.7949

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.010613	10.0	688771.0	0.302566	N
2	IC 200-210070/5	0.170374	0.156658	10.0	642483.0	0.919495	N
3	IC 200-210070/6	0.425385	0.37047	10.0	641834.0	0.870905	Y
4	IC 200-210070/20	4.243678	3.427131	10.0	694152.0	0.807585	Y
5	ICIS 200-210070/8	9.99806	7.534295	10.0	713216.0	0.753576	Y
6	IC 200-210070/9	15.003557	12.020697	10.0	663568.0	0.80119	Y
7	IC 200-210070/12	19.99612	15.790962	10.0	652781.0	0.789701	Y
8	IC 200-210070/13	39.99224	29.848623	10.0	679891.0	0.74636	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

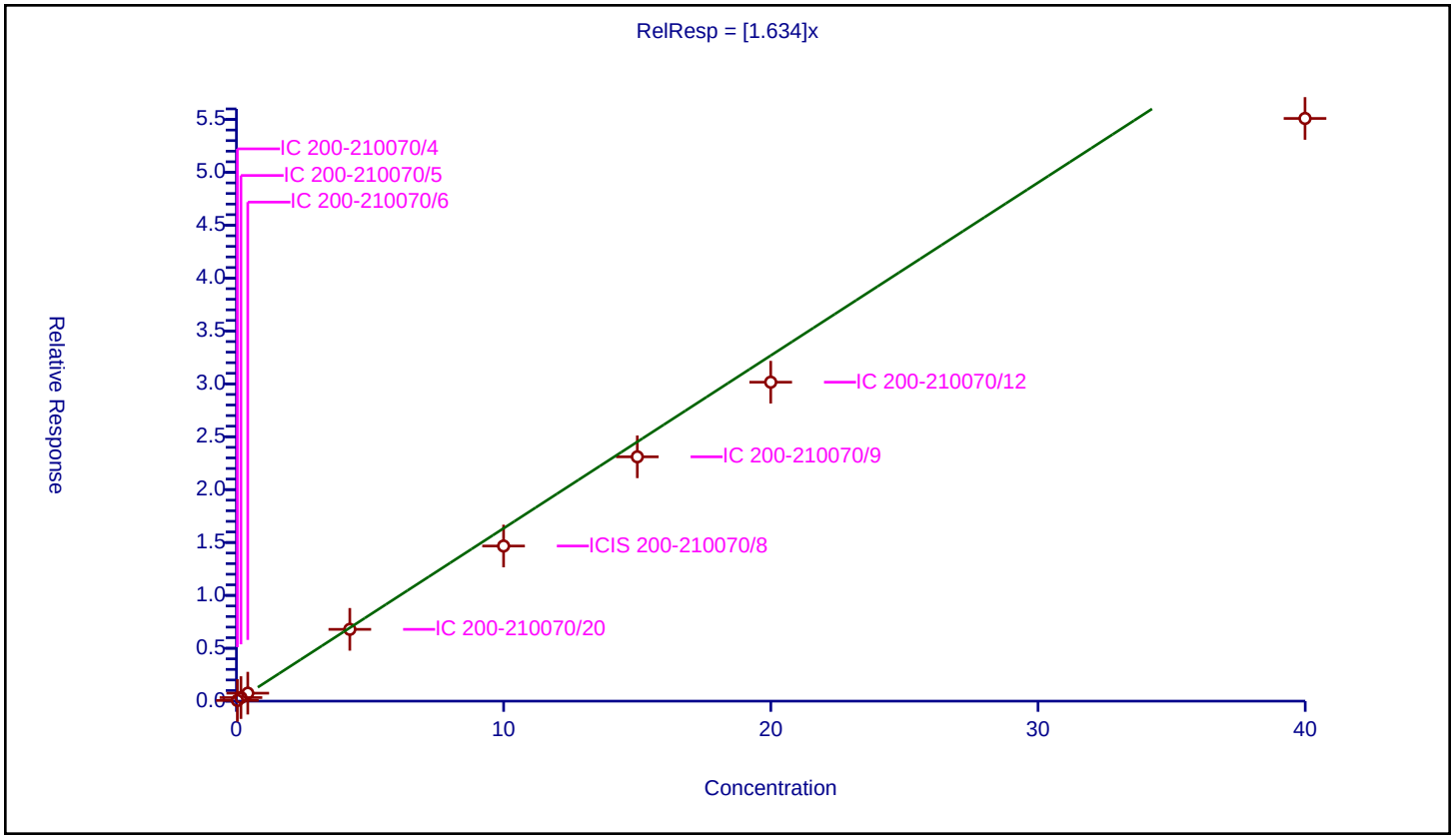
Curve Coefficients

Intercept:	0
Slope:	1.634

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.064709	10.0	688771.0	1.844786	Y
2	IC 200-210070/5	0.170374	0.334966	10.0	642483.0	1.966067	Y
3	IC 200-210070/6	0.425385	0.752998	10.0	641834.0	1.770159	Y
4	IC 200-210070/20	4.243678	6.788513	10.0	694152.0	1.599677	Y
5	ICIS 200-210070/8	9.99806	14.667464	10.0	713216.0	1.467031	Y
6	IC 200-210070/9	15.003557	23.102078	10.0	663568.0	1.539773	Y
7	IC 200-210070/12	19.99612	30.159885	10.0	652781.0	1.508287	Y
8	IC 200-210070/13	39.99224	55.096758	10.0	679891.0	1.377686	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

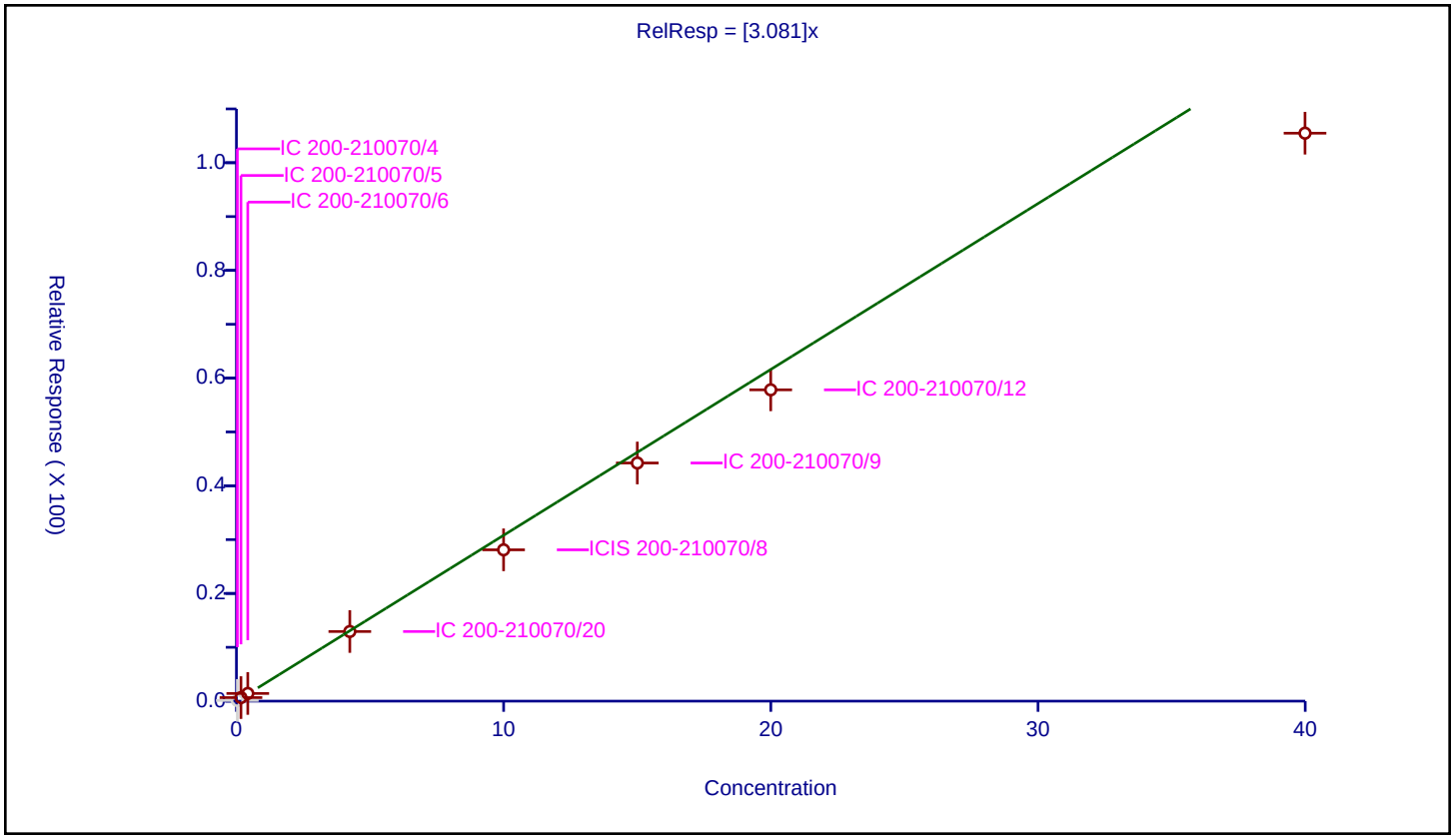
Curve Coefficients

Intercept:	0
Slope:	3.081

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.124003	10.0	688771.0	3.535185	N
2	IC 200-210070/5	0.170374	0.66078	10.0	642483.0	3.878416	Y
3	IC 200-210070/6	0.425385	1.424808	10.0	641834.0	3.349457	Y
4	IC 200-210070/20	4.243678	12.932513	10.0	694152.0	3.047477	Y
5	ICIS 200-210070/8	9.99806	28.104235	10.0	713216.0	2.810969	Y
6	IC 200-210070/9	15.003557	44.231488	10.0	663568.0	2.948067	Y
7	IC 200-210070/12	19.99612	57.821949	10.0	652781.0	2.891658	Y
8	IC 200-210070/13	39.99224	105.487056	10.0	679891.0	2.637688	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

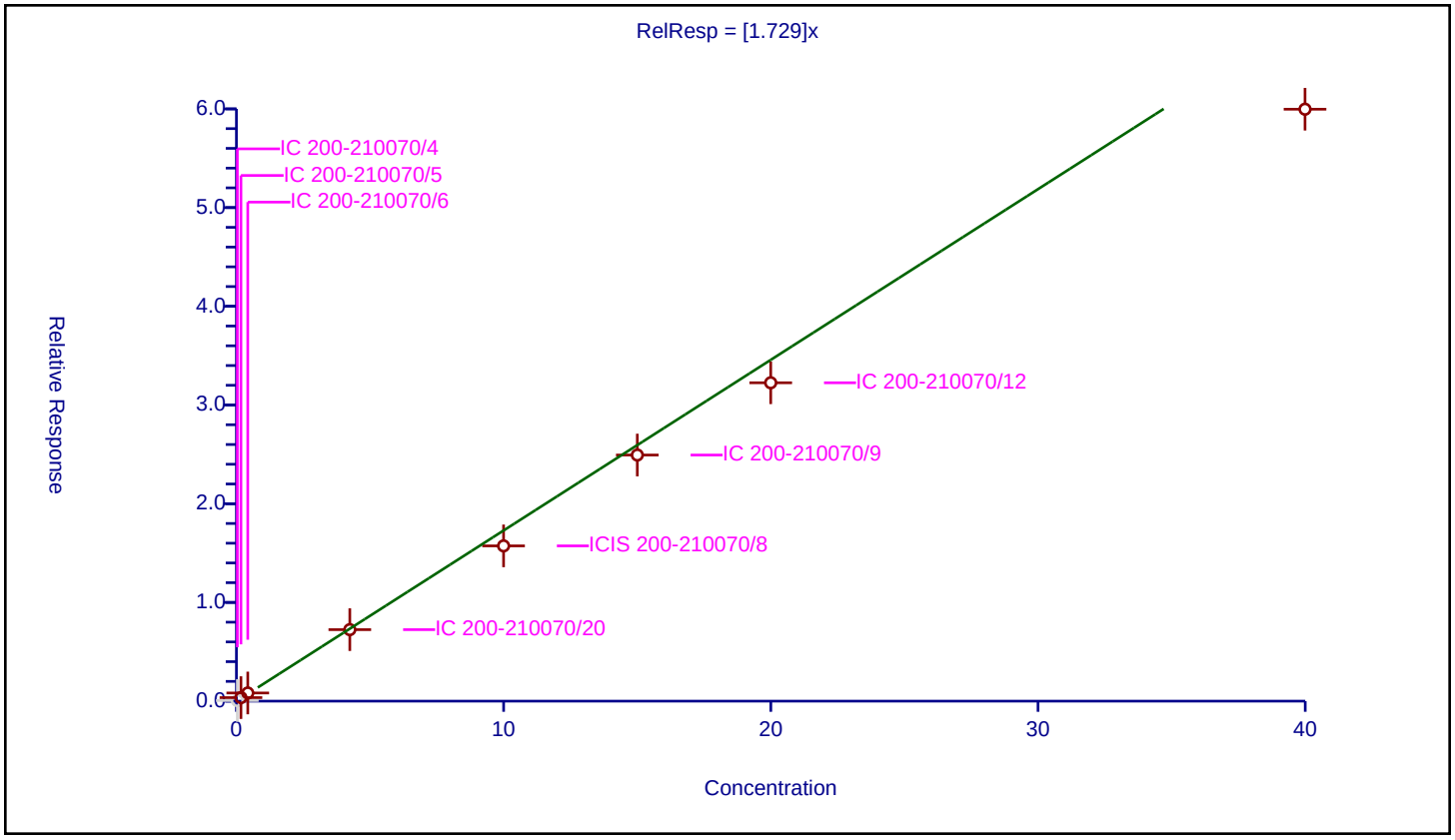
Curve Coefficients

Intercept:	0
Slope:	1.729

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.06198	10.0	688771.0	1.766972	N
2	IC 200-210070/5	0.170374	0.358764	10.0	642483.0	2.105749	Y
3	IC 200-210070/6	0.425385	0.826366	10.0	641834.0	1.942633	Y
4	IC 200-210070/20	4.243678	7.243586	10.0	694152.0	1.706912	Y
5	ICIS 200-210070/8	9.99806	15.728321	10.0	713216.0	1.573137	Y
6	IC 200-210070/9	15.003557	24.933255	10.0	663568.0	1.661823	Y
7	IC 200-210070/12	19.99612	32.252547	10.0	652781.0	1.61294	Y
8	IC 200-210070/13	39.99224	59.967612	10.0	679891.0	1.499481	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

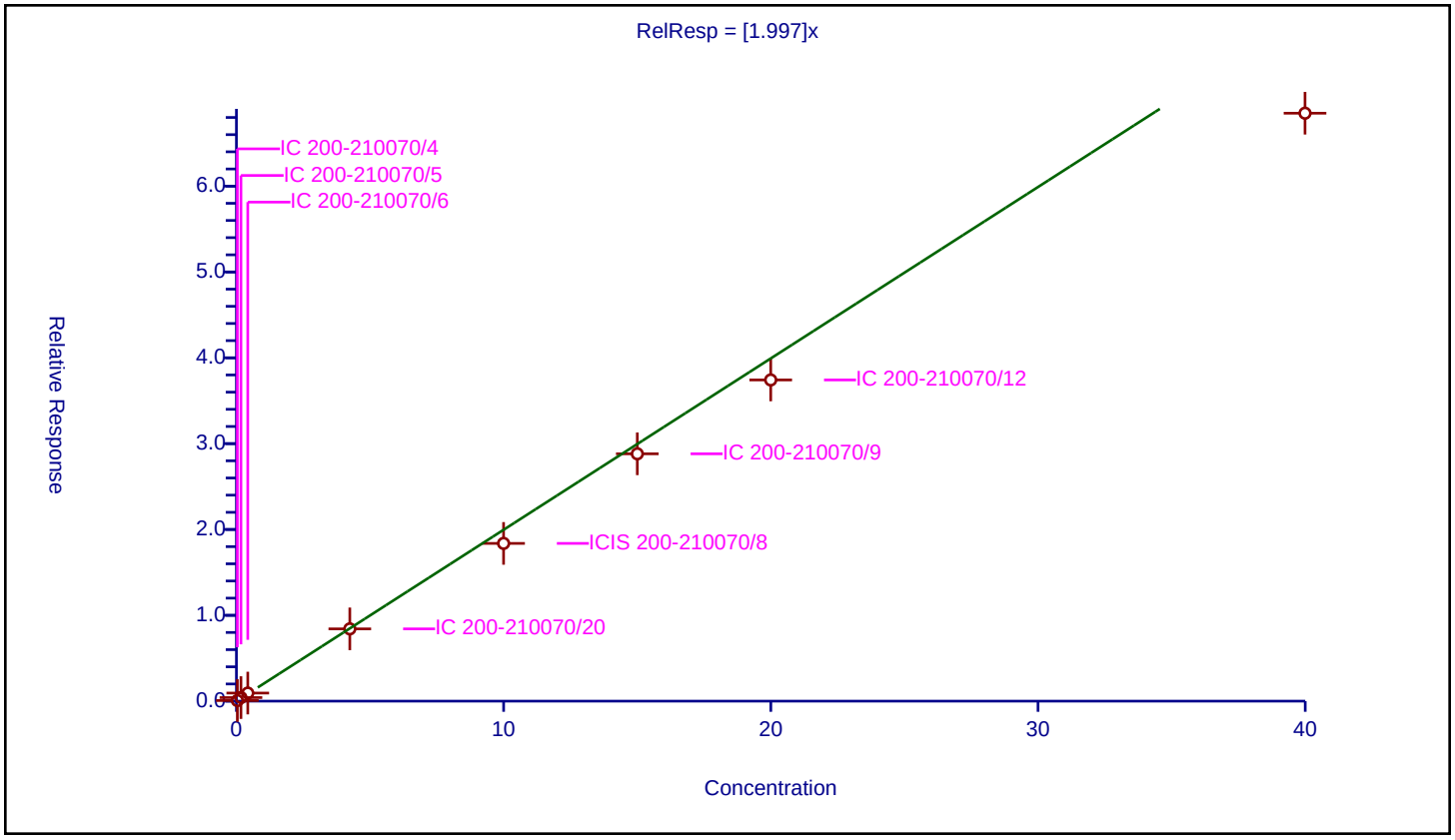
Curve Coefficients

Intercept:	0
Slope:	1.997

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.070081	10.0	688771.0	1.997932	Y
2	IC 200-210070/5	0.170374	0.414921	10.0	642483.0	2.435361	Y
3	IC 200-210070/6	0.425385	0.941178	10.0	641834.0	2.212534	Y
4	IC 200-210070/20	4.243678	8.42049	10.0	694152.0	1.984243	Y
5	ICIS 200-210070/8	9.99806	18.376593	10.0	713216.0	1.838016	Y
6	IC 200-210070/9	15.003557	28.81557	10.0	663568.0	1.920583	Y
7	IC 200-210070/12	19.99612	37.420467	10.0	652781.0	1.871386	Y
8	IC 200-210070/13	39.99224	68.496906	10.0	679891.0	1.712755	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

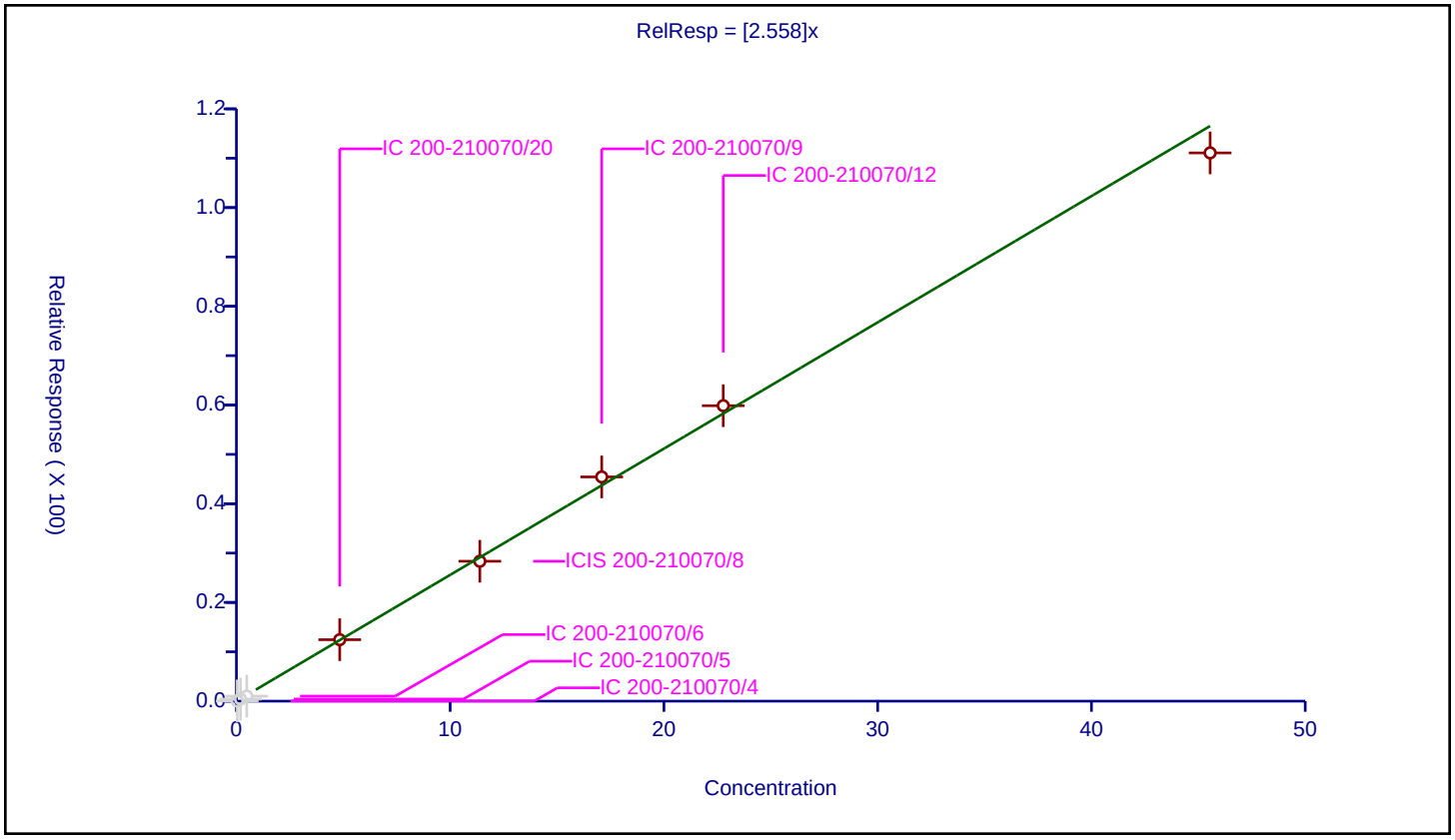
Curve Coefficients

Intercept:	0
Slope:	2.558

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.039953	0.042075	10.0	688771.0	1.053121	N
2	IC 200-210070/5	0.194056	0.417957	10.0	642483.0	2.153797	N
3	IC 200-210070/6	0.484513	1.020747	10.0	641834.0	2.106747	N
4	IC 200-210070/20	4.83355	12.452316	10.0	694152.0	2.576226	Y
5	ICIS 200-210070/8	11.38779	28.342592	10.0	713216.0	2.488858	Y
6	IC 200-210070/9	17.089051	45.432314	10.0	663568.0	2.658563	Y
7	IC 200-210070/12	22.77558	59.86366	10.0	652781.0	2.628414	Y
8	IC 200-210070/13	45.551161	111.081703	10.0	679891.0	2.438614	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

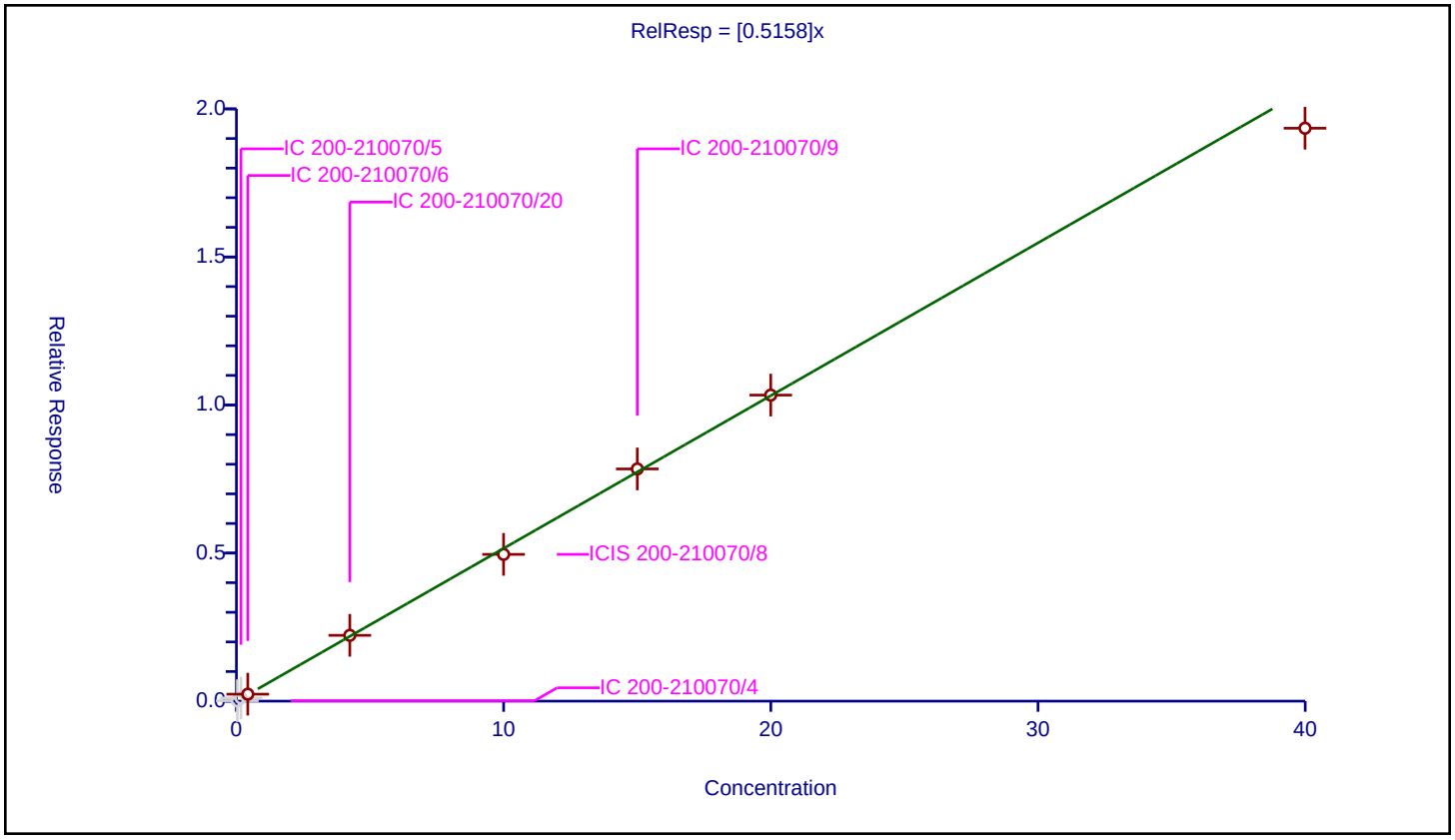
Curve Coefficients

Intercept:	0
Slope:	0.5158

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.014301	10.0	688771.0	0.407699	N
2	IC 200-210070/5	0.170374	0.106166	10.0	642483.0	0.623137	N
3	IC 200-210070/6	0.425385	0.234967	10.0	641834.0	0.552364	Y
4	IC 200-210070/20	4.243678	2.222208	10.0	694152.0	0.523651	Y
5	ICIS 200-210070/8	9.99806	4.956493	10.0	713216.0	0.495745	Y
6	IC 200-210070/9	15.003557	7.841382	10.0	663568.0	0.522635	Y
7	IC 200-210070/12	19.99612	10.334844	10.0	652781.0	0.516842	Y
8	IC 200-210070/13	39.99224	19.347042	10.0	679891.0	0.48377	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

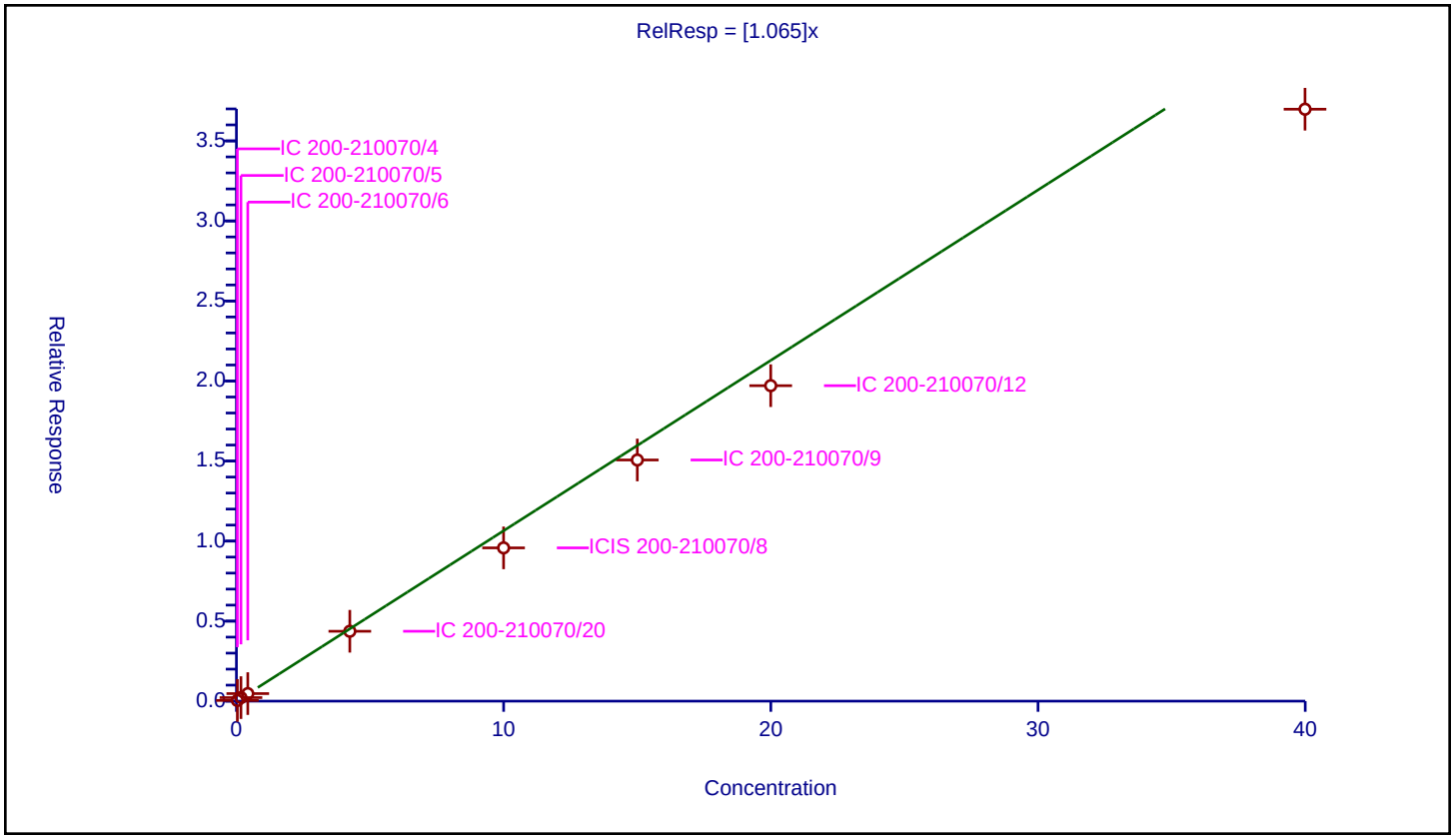
Curve Coefficients

Intercept:	0
Slope:	1.065

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.042612	10.0	688771.0	1.214819	Y
2	IC 200-210070/5	0.170374	0.220395	10.0	642483.0	1.293597	Y
3	IC 200-210070/6	0.425385	0.470978	10.0	641834.0	1.107182	Y
4	IC 200-210070/20	4.243678	4.364534	10.0	694152.0	1.028479	Y
5	ICIS 200-210070/8	9.99806	9.575444	10.0	713216.0	0.95773	Y
6	IC 200-210070/9	15.003557	15.066489	10.0	663568.0	1.004194	Y
7	IC 200-210070/12	19.99612	19.708187	10.0	652781.0	0.985601	Y
8	IC 200-210070/13	39.99224	36.979486	10.0	679891.0	0.924667	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

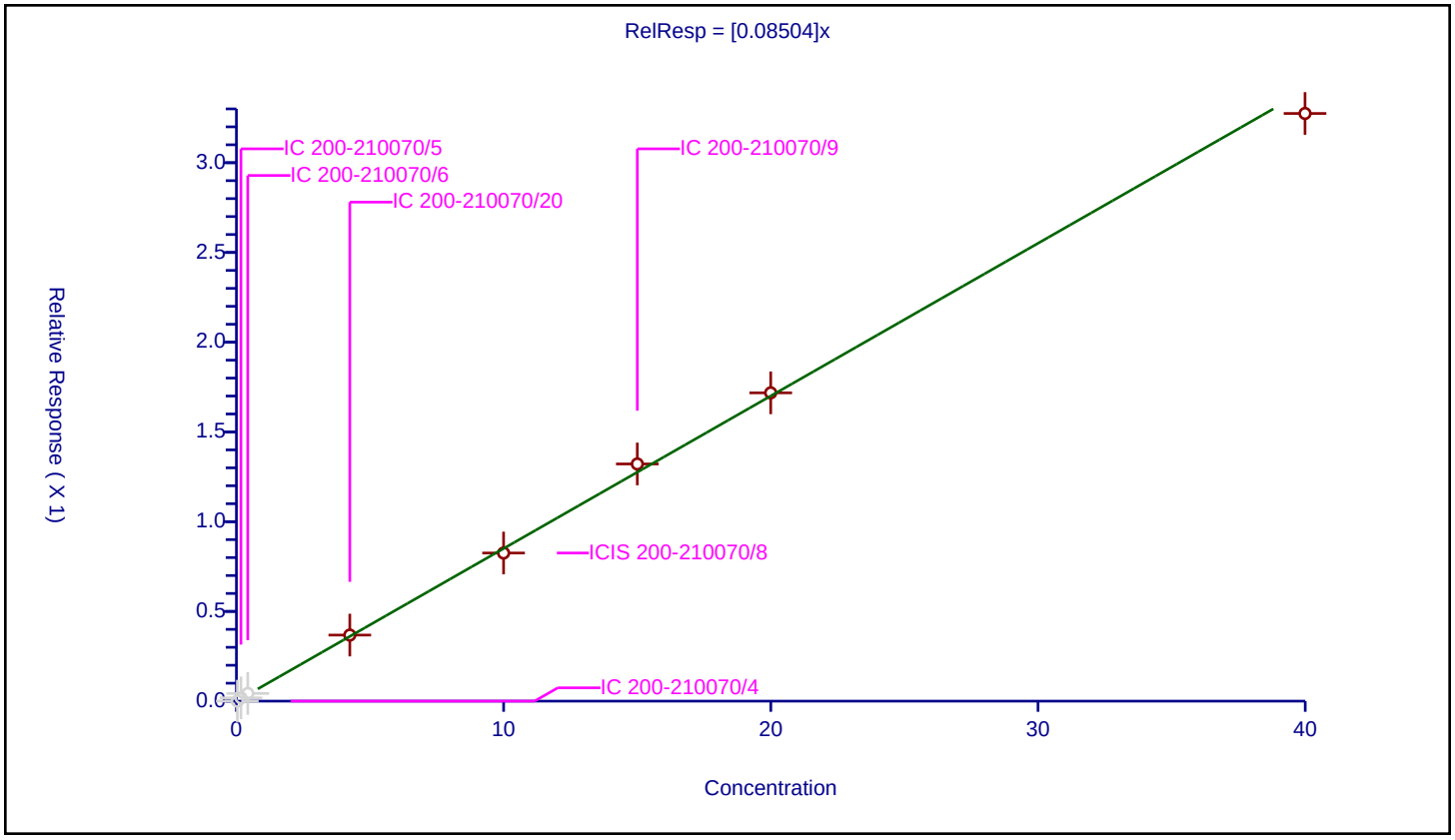
Curve Coefficients

Intercept:	0
Slope:	0.08504

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.0	10.0	688771.0	0.0	N
2	IC 200-210070/5	0.170374	0.018351	10.0	642483.0	0.107708	N
3	IC 200-210070/6	0.425385	0.042846	10.0	641834.0	0.100723	N
4	IC 200-210070/20	4.243678	0.368161	10.0	694152.0	0.086755	Y
5	ICIS 200-210070/8	9.99806	0.825332	10.0	713216.0	0.082549	Y
6	IC 200-210070/9	15.003557	1.321628	10.0	663568.0	0.088088	Y
7	IC 200-210070/12	19.99612	1.717912	10.0	652781.0	0.085912	Y
8	IC 200-210070/13	39.99224	3.274422	10.0	679891.0	0.081876	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

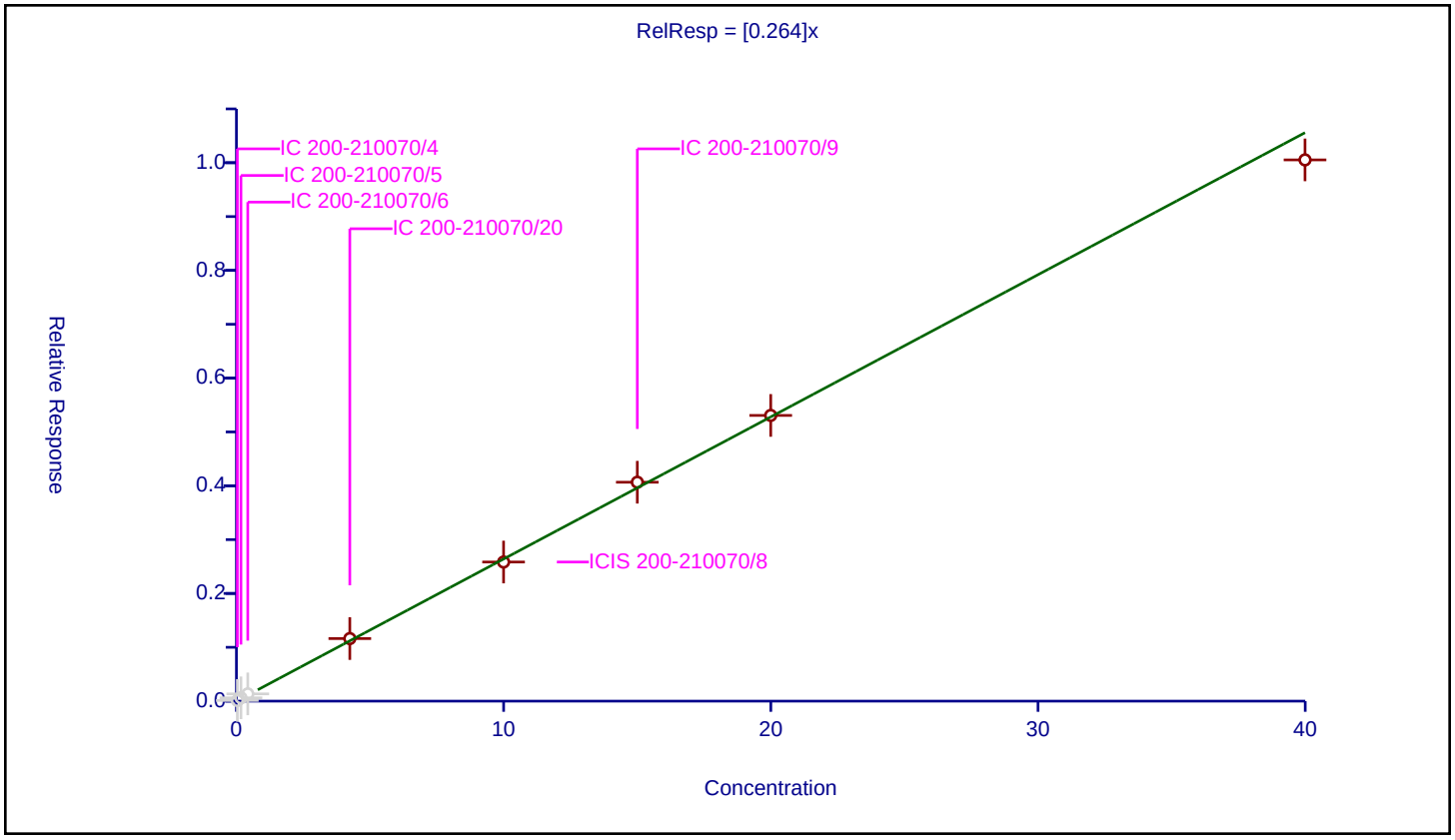
Curve Coefficients

Intercept:	0
Slope:	0.264

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.012262	10.0	3447177.0	0.34958	N
2	IC 200-210070/5	0.170374	0.061449	10.0	3205442.0	0.36067	N
3	IC 200-210070/6	0.425385	0.134631	10.0	3217167.0	0.316492	N
4	IC 200-210070/20	4.243678	1.162088	10.0	3476052.0	0.27384	Y
5	ICIS 200-210070/8	9.99806	2.583857	10.0	3544035.0	0.258436	Y
6	IC 200-210070/9	15.003557	4.066016	10.0	3331202.0	0.271003	Y
7	IC 200-210070/12	19.99612	5.306783	10.0	3264260.0	0.265391	Y
8	IC 200-210070/13	39.99224	10.05255	10.0	3371261.0	0.251363	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

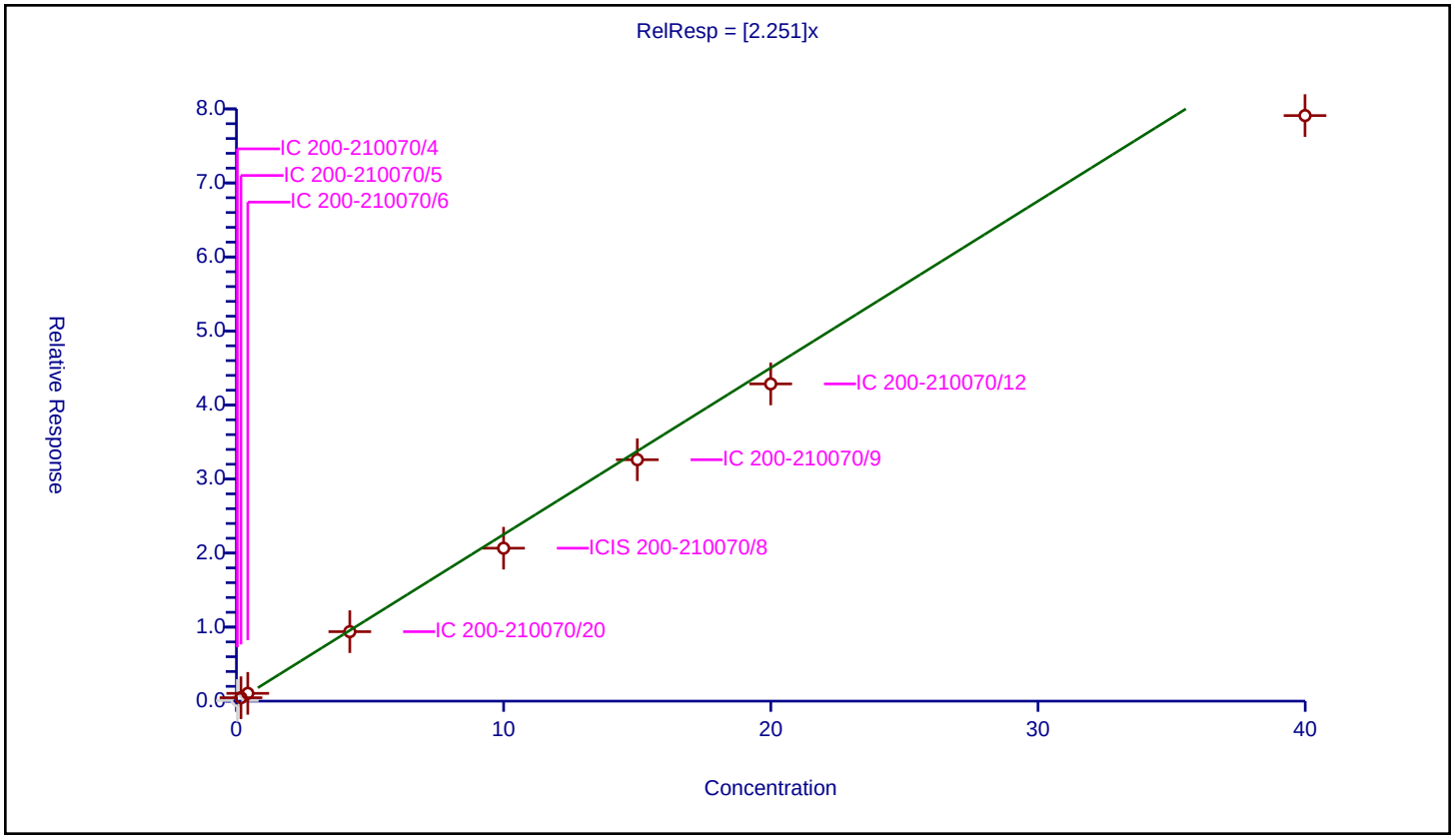
Curve Coefficients

Intercept:	0
Slope:	2.251

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.079141	10.0	688771.0	2.25621	N
2	IC 200-210070/5	0.170374	0.461771	10.0	642483.0	2.710342	Y
3	IC 200-210070/6	0.425385	1.053606	10.0	641834.0	2.47683	Y
4	IC 200-210070/20	4.243678	9.386013	10.0	694152.0	2.211764	Y
5	ICIS 200-210070/8	9.99806	20.660052	10.0	713216.0	2.066406	Y
6	IC 200-210070/9	15.003557	32.61292	10.0	663568.0	2.173679	Y
7	IC 200-210070/12	19.99612	42.854878	10.0	652781.0	2.14316	Y
8	IC 200-210070/13	39.99224	79.097444	10.0	679891.0	1.97782	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

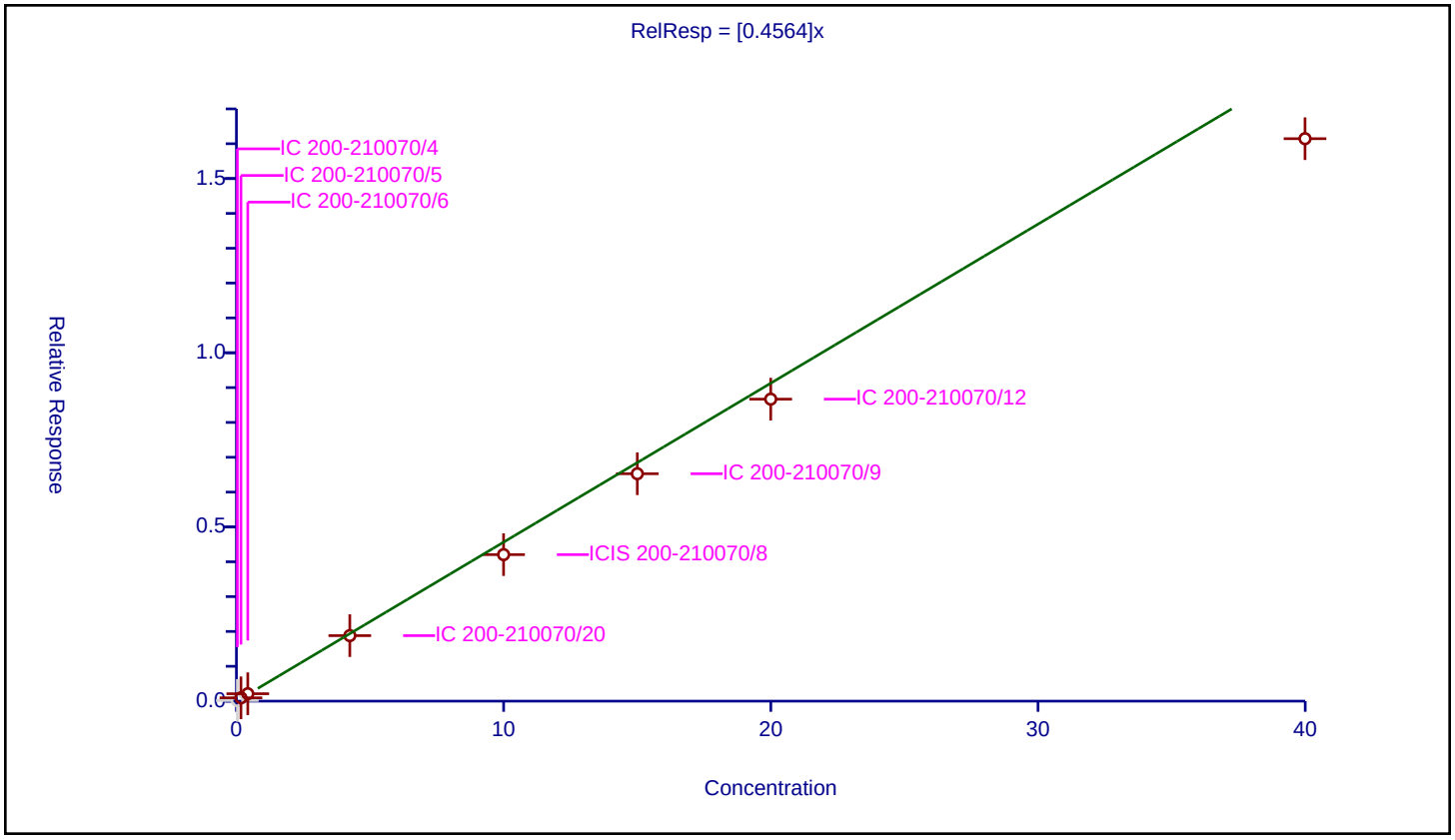
Curve Coefficients

Intercept:	0
Slope:	0.4564

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.01791	10.0	3447177.0	0.510601	N
2	IC 200-210070/5	0.170374	0.094957	10.0	3205442.0	0.557347	Y
3	IC 200-210070/6	0.425385	0.213206	10.0	3217167.0	0.501208	Y
4	IC 200-210070/20	4.243678	1.880562	10.0	3476052.0	0.443144	Y
5	ICIS 200-210070/8	9.99806	4.205672	10.0	3544035.0	0.420649	Y
6	IC 200-210070/9	15.003557	6.52753	10.0	3331202.0	0.435065	Y
7	IC 200-210070/12	19.99612	8.668654	10.0	3264260.0	0.433517	Y
8	IC 200-210070/13	39.99224	16.144644	10.0	3371261.0	0.403694	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

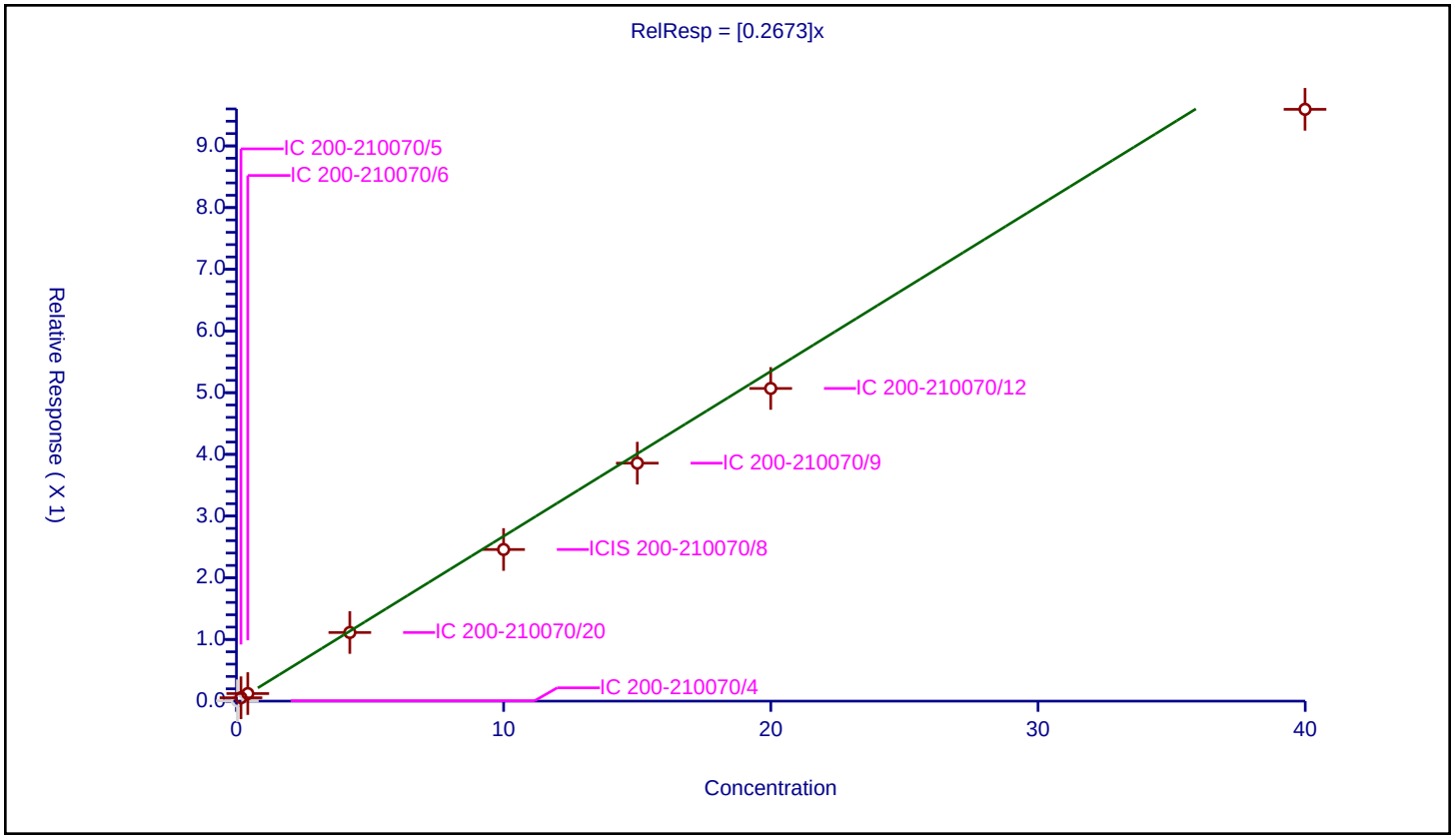
Curve Coefficients

Intercept:	0
Slope:	0.2673

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.005306	10.0	3447177.0	0.151261	N
2	IC 200-210070/5	0.170374	0.055156	10.0	3205442.0	0.323737	Y
3	IC 200-210070/6	0.425385	0.123	10.0	3217167.0	0.289149	Y
4	IC 200-210070/20	4.243678	1.112725	10.0	3476052.0	0.262208	Y
5	ICIS 200-210070/8	9.99806	2.45782	10.0	3544035.0	0.24583	Y
6	IC 200-210070/9	15.003557	3.857863	10.0	3331202.0	0.25713	Y
7	IC 200-210070/12	19.99612	5.06853	10.0	3264260.0	0.253476	Y
8	IC 200-210070/13	39.99224	9.593099	10.0	3371261.0	0.239874	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

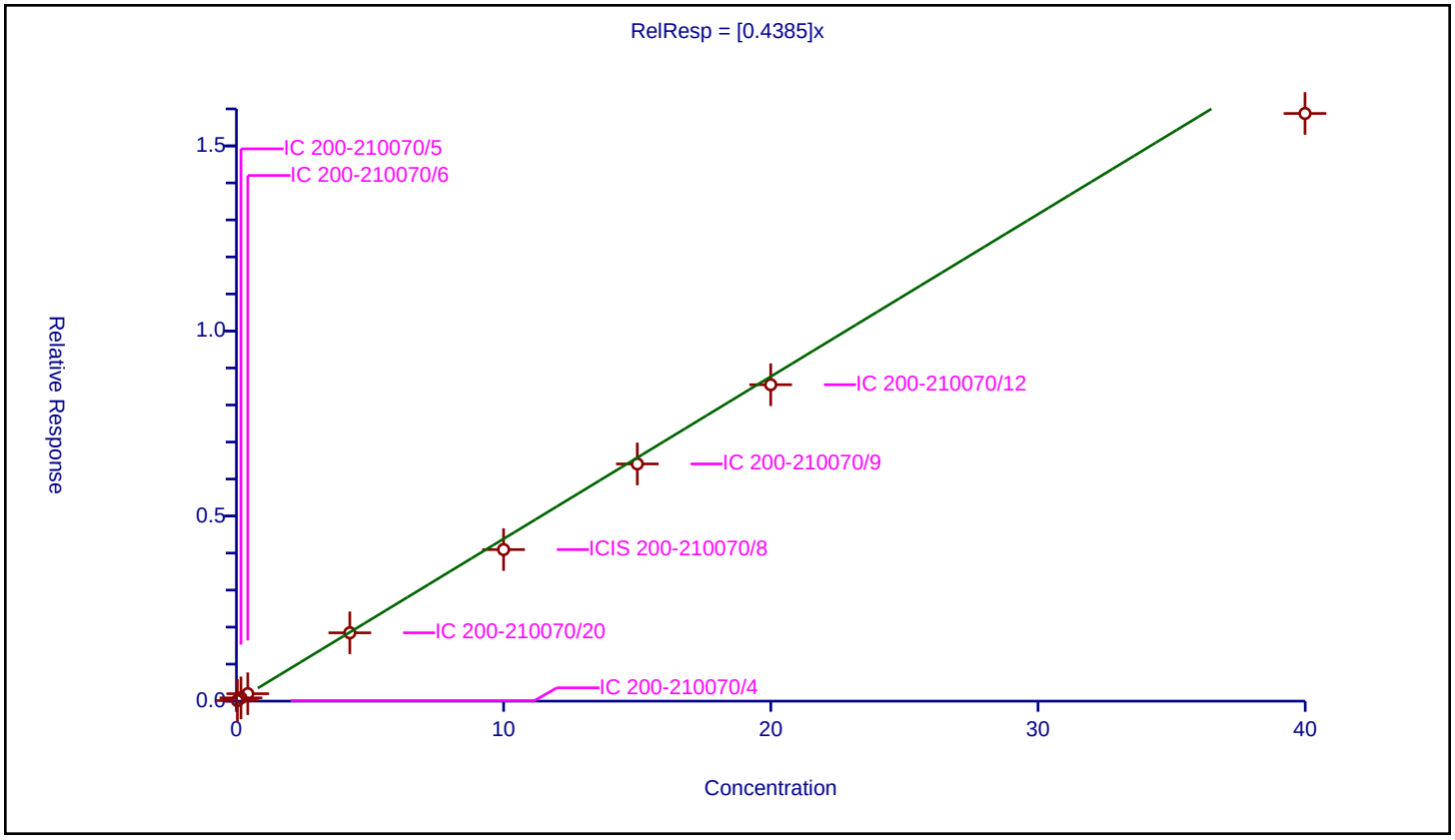
Curve Coefficients

Intercept:	0
Slope:	0.4385

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.014777	10.0	3447177.0	0.421283	Y
2	IC 200-210070/5	0.170374	0.088072	10.0	3205442.0	0.516935	Y
3	IC 200-210070/6	0.425385	0.201373	10.0	3217167.0	0.47339	Y
4	IC 200-210070/20	4.243678	1.846278	10.0	3476052.0	0.435066	Y
5	ICIS 200-210070/8	9.99806	4.09459	10.0	3544035.0	0.409538	Y
6	IC 200-210070/9	15.003557	6.408498	10.0	3331202.0	0.427132	Y
7	IC 200-210070/12	19.99612	8.548458	10.0	3264260.0	0.427506	Y
8	IC 200-210070/13	39.99224	15.876576	10.0	3371261.0	0.396991	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

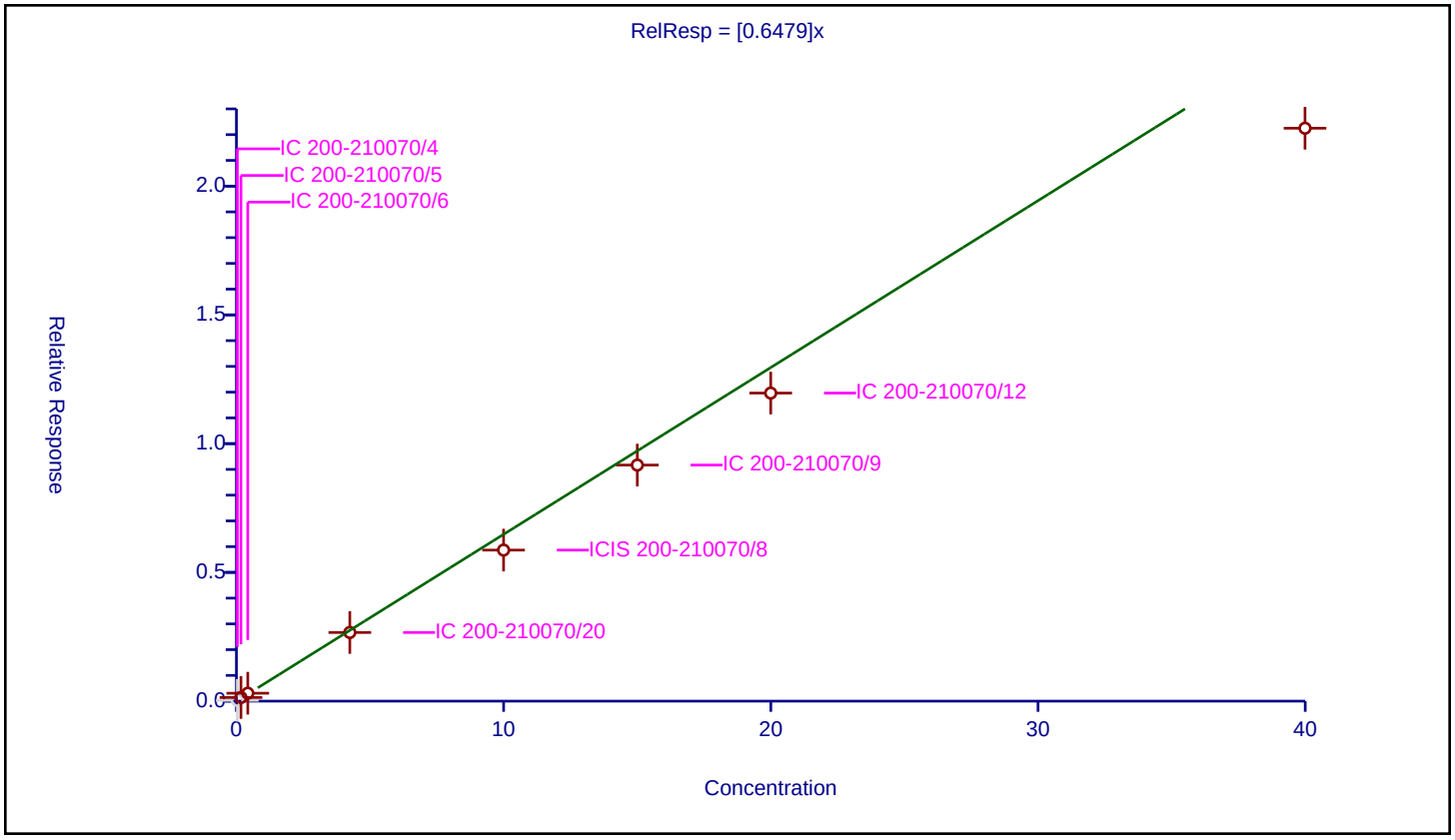
Curve Coefficients

Intercept:	0
Slope:	0.6479

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.030695	10.0	3447177.0	0.875067	N
2	IC 200-210070/5	0.170374	0.141484	10.0	3205442.0	0.830436	Y
3	IC 200-210070/6	0.425385	0.307898	10.0	3217167.0	0.723811	Y
4	IC 200-210070/20	4.243678	2.666194	10.0	3476052.0	0.628274	Y
5	ICIS 200-210070/8	9.99806	5.866714	10.0	3544035.0	0.586785	Y
6	IC 200-210070/9	15.003557	9.167919	10.0	3331202.0	0.61105	Y
7	IC 200-210070/12	19.99612	11.963217	10.0	3264260.0	0.598277	Y
8	IC 200-210070/13	39.99224	22.248666	10.0	3371261.0	0.556325	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

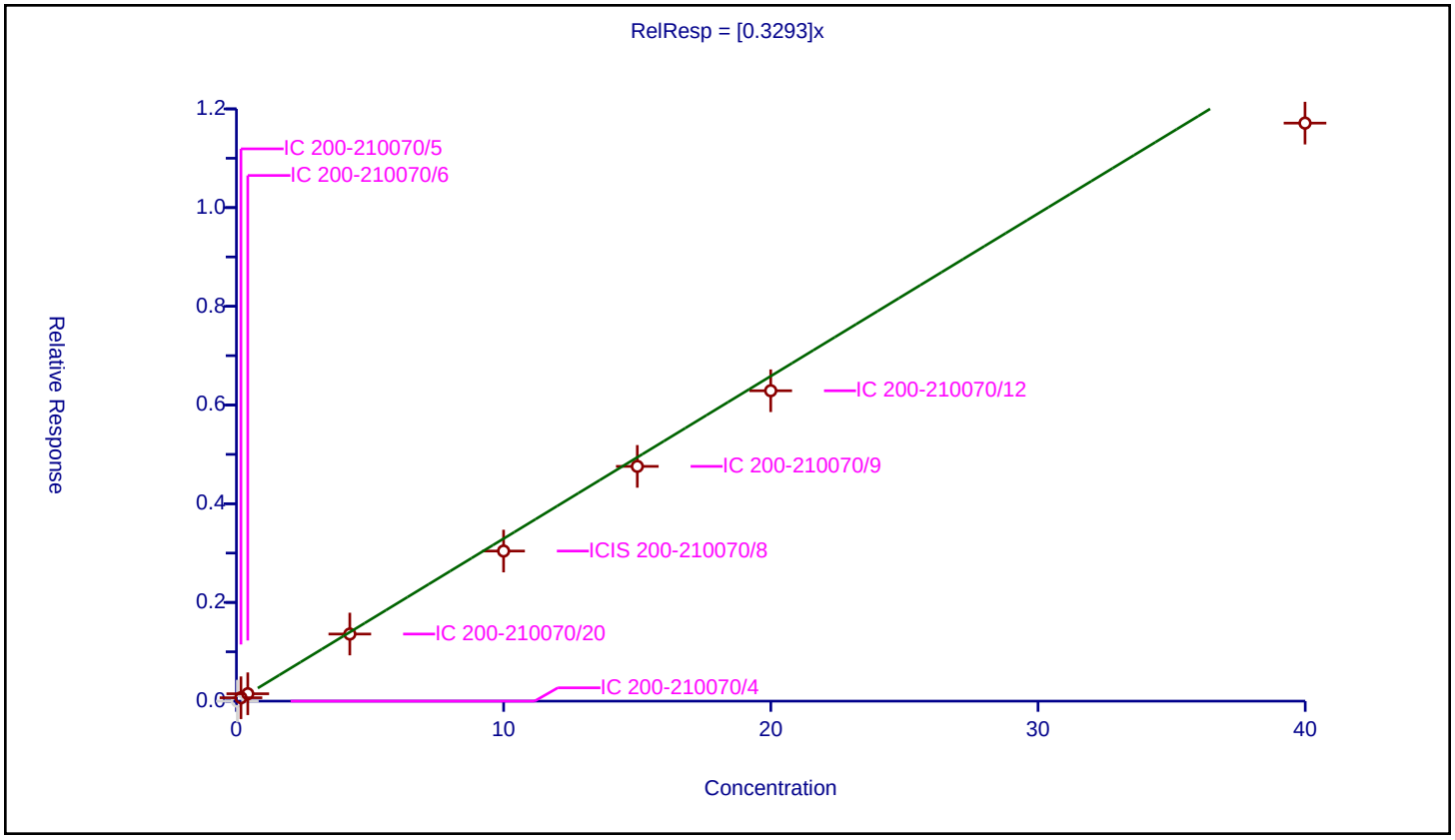
Curve Coefficients

Intercept:	0
Slope:	0.3293

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.0	10.0	3447177.0	0.0	N
2	IC 200-210070/5	0.170374	0.068917	10.0	3205442.0	0.404506	Y
3	IC 200-210070/6	0.425385	0.149573	10.0	3217167.0	0.351617	Y
4	IC 200-210070/20	4.243678	1.359462	10.0	3476052.0	0.32035	Y
5	ICIS 200-210070/8	9.99806	3.041276	10.0	3544035.0	0.304187	Y
6	IC 200-210070/9	15.003557	4.756565	10.0	3331202.0	0.317029	Y
7	IC 200-210070/12	19.99612	6.289465	10.0	3264260.0	0.314534	Y
8	IC 200-210070/13	39.99224	11.712003	10.0	3371261.0	0.292857	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

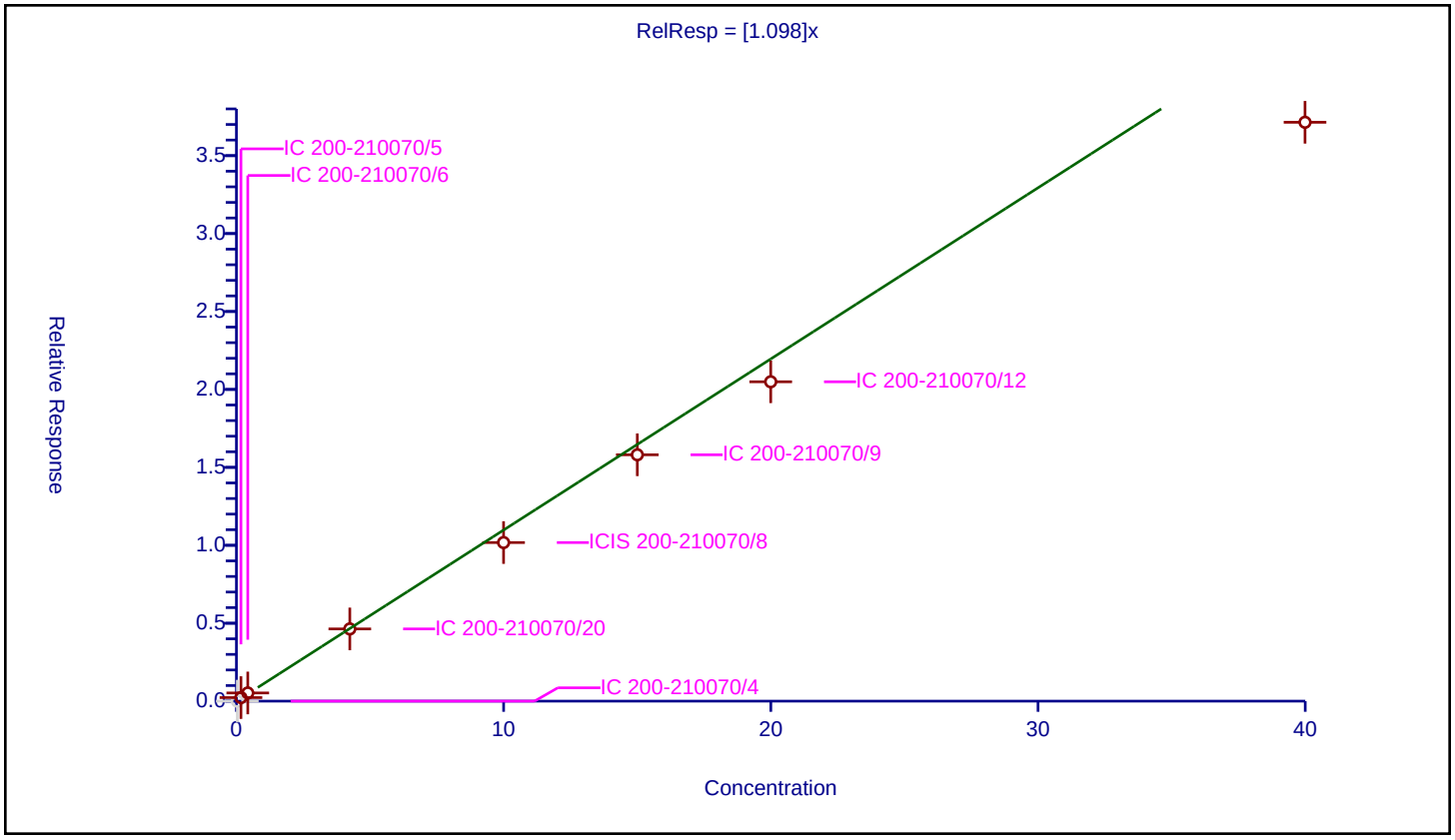
Curve Coefficients

Intercept:	0
Slope:	1.098

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.0	10.0	3447177.0	0.0	N
2	IC 200-210070/5	0.170374	0.227276	10.0	3205442.0	1.333985	Y
3	IC 200-210070/6	0.425385	0.525114	10.0	3217167.0	1.234445	Y
4	IC 200-210070/20	4.243678	4.634502	10.0	3476052.0	1.092095	Y
5	ICIS 200-210070/8	9.99806	10.175571	10.0	3544035.0	1.017755	Y
6	IC 200-210070/9	15.003557	15.80658	10.0	3331202.0	1.053522	Y
7	IC 200-210070/12	19.99612	20.491238	10.0	3264260.0	1.024761	Y
8	IC 200-210070/13	39.99224	37.140524	10.0	3371261.0	0.928693	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

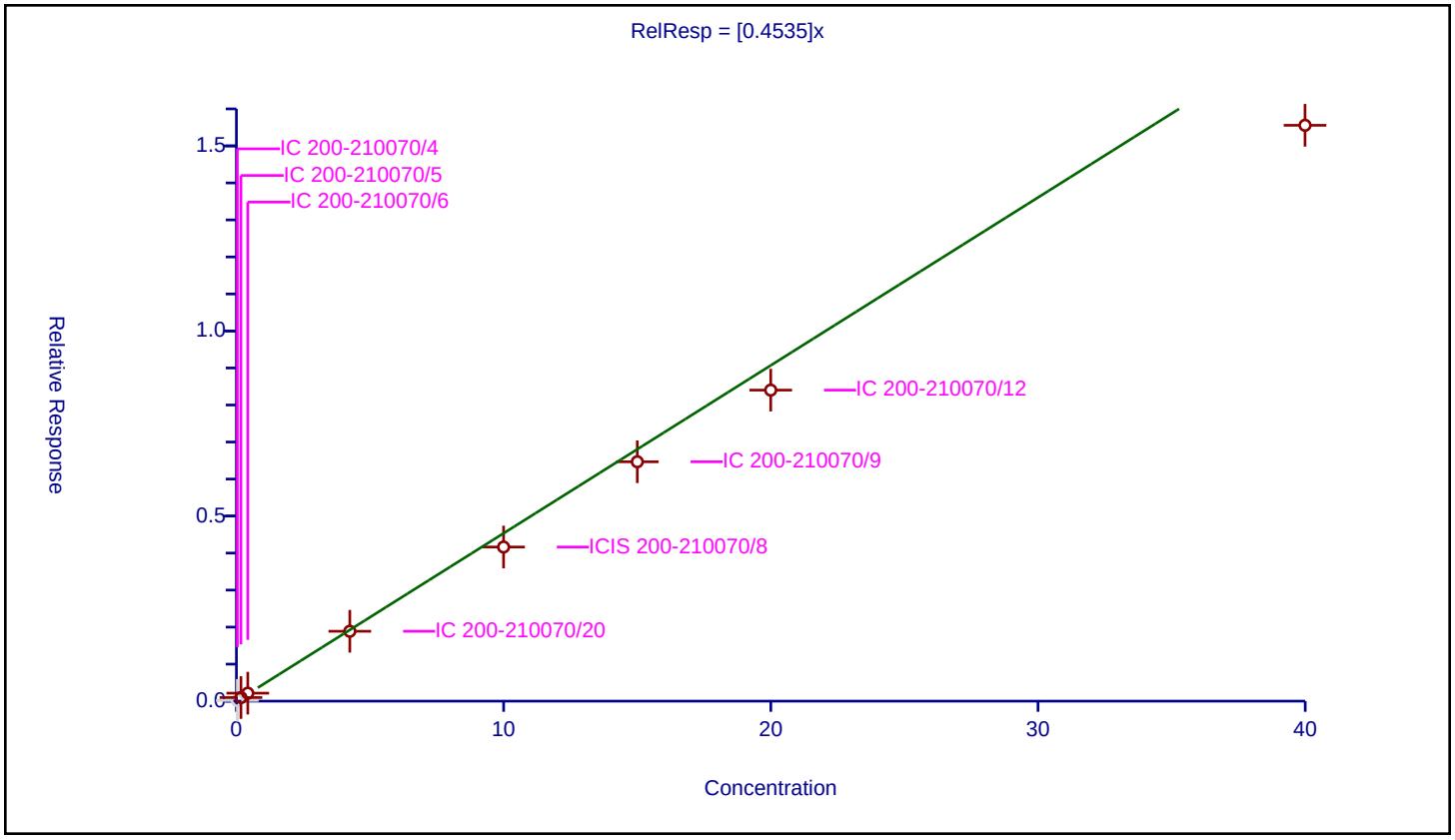
Curve Coefficients

Intercept:	0
Slope:	0.4535

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.018885	10.0	3447177.0	0.538388	N
2	IC 200-210070/5	0.170374	0.096614	10.0	3205442.0	0.56707	Y
3	IC 200-210070/6	0.425385	0.215332	10.0	3217167.0	0.506206	Y
4	IC 200-210070/20	4.243678	1.887978	10.0	3476052.0	0.444892	Y
5	ICIS 200-210070/8	9.99806	4.163751	10.0	3544035.0	0.416456	Y
6	IC 200-210070/9	15.003557	6.466795	10.0	3331202.0	0.431017	Y
7	IC 200-210070/12	19.99612	8.402278	10.0	3264260.0	0.420195	Y
8	IC 200-210070/13	39.99224	15.556683	10.0	3371261.0	0.388993	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

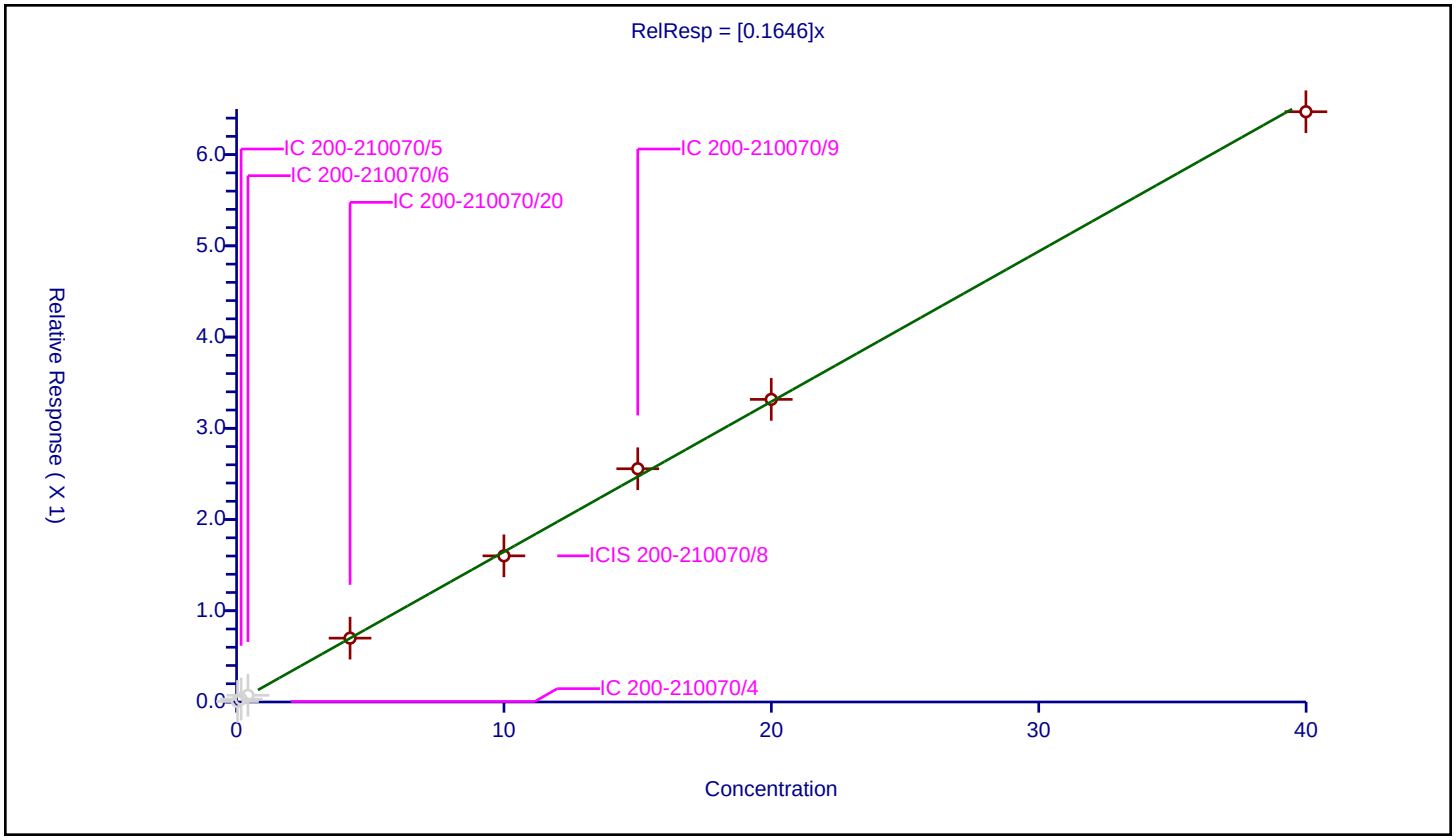
Curve Coefficients

Intercept:	0
Slope:	0.1646

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.005761	10.0	3447177.0	0.164246	N
2	IC 200-210070/5	0.170374	0.031977	10.0	3205442.0	0.187687	N
3	IC 200-210070/6	0.425385	0.073524	10.0	3217167.0	0.172842	N
4	IC 200-210070/20	4.243678	0.699946	10.0	3476052.0	0.164939	Y
5	ICIS 200-210070/8	9.99806	1.601911	10.0	3544035.0	0.160222	Y
6	IC 200-210070/9	15.003557	2.556684	10.0	3331202.0	0.170405	Y
7	IC 200-210070/12	19.99612	3.316991	10.0	3264260.0	0.165882	Y
8	IC 200-210070/13	39.99224	6.470241	10.0	3371261.0	0.161787	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

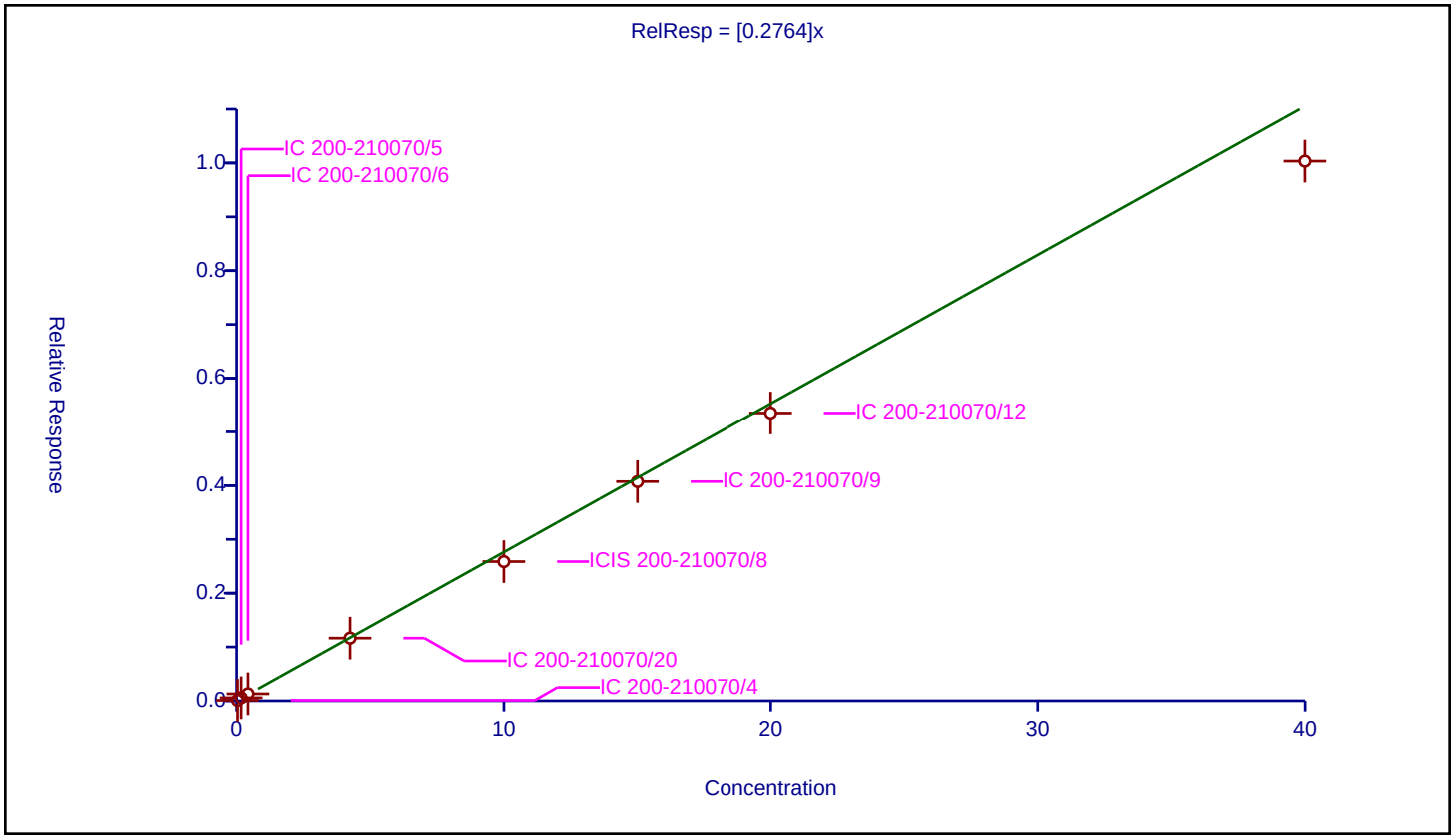
Curve Coefficients

Intercept:	0
Slope:	0.2764

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.008758	10.0	3447177.0	0.249677	Y
2	IC 200-210070/5	0.170374	0.056663	10.0	3205442.0	0.332581	Y
3	IC 200-210070/6	0.425385	0.129956	10.0	3217167.0	0.305502	Y
4	IC 200-210070/20	4.243678	1.164908	10.0	3476052.0	0.274504	Y
5	ICIS 200-210070/8	9.99806	2.587449	10.0	3544035.0	0.258795	Y
6	IC 200-210070/9	15.003557	4.075661	10.0	3331202.0	0.271646	Y
7	IC 200-210070/12	19.99612	5.352092	10.0	3264260.0	0.267657	Y
8	IC 200-210070/13	39.99224	10.034711	10.0	3371261.0	0.250916	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

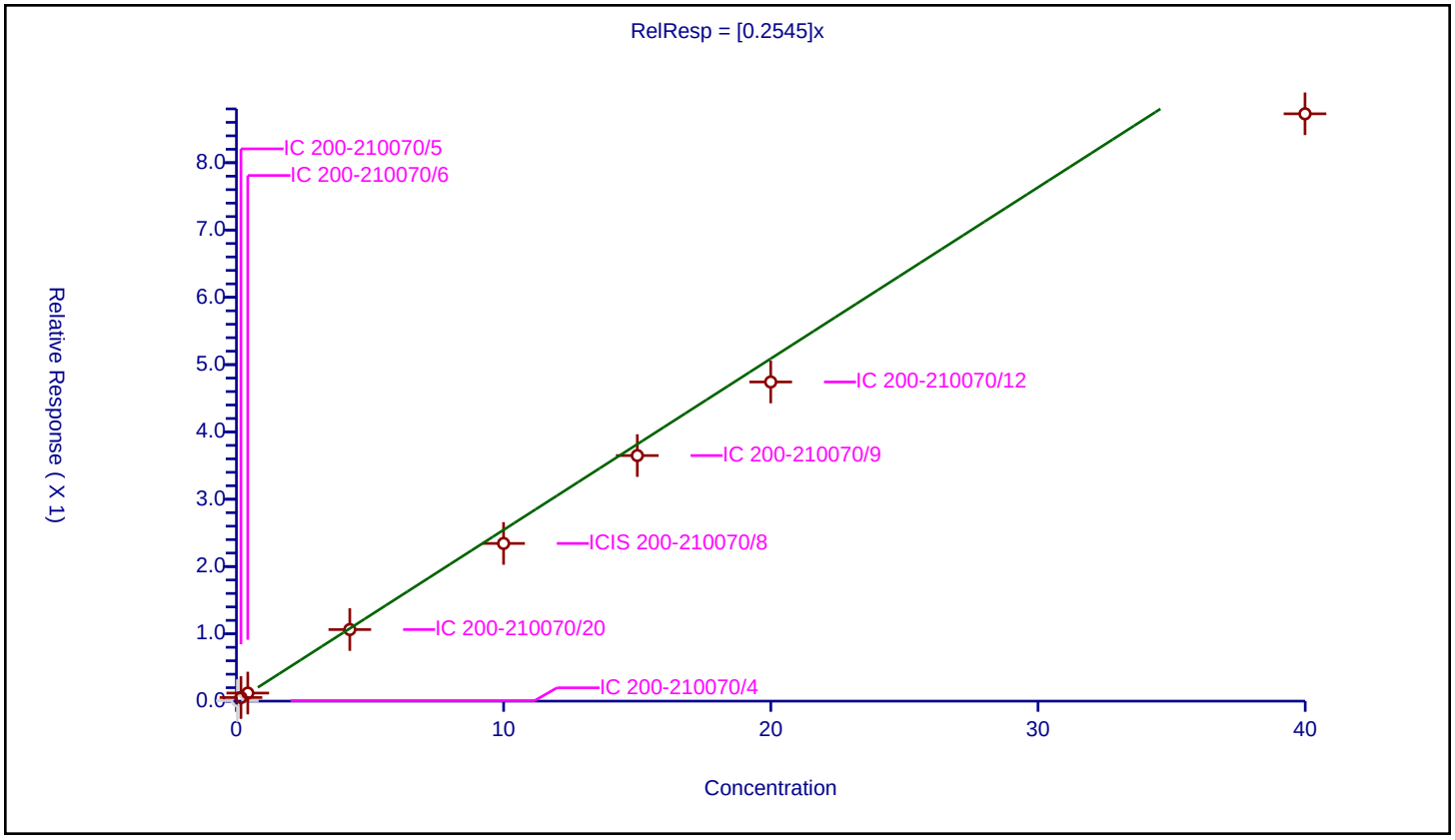
Curve Coefficients

Intercept:	0
Slope:	0.2545

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.006927	10.0	3447177.0	0.197492	N
2	IC 200-210070/5	0.170374	0.053721	10.0	3205442.0	0.315314	Y
3	IC 200-210070/6	0.425385	0.120143	10.0	3217167.0	0.282434	Y
4	IC 200-210070/20	4.243678	1.063626	10.0	3476052.0	0.250638	Y
5	ICIS 200-210070/8	9.99806	2.343148	10.0	3544035.0	0.23436	Y
6	IC 200-210070/9	15.003557	3.648899	10.0	3331202.0	0.243202	Y
7	IC 200-210070/12	19.99612	4.742245	10.0	3264260.0	0.237158	Y
8	IC 200-210070/13	39.99224	8.727102	10.0	3371261.0	0.21822	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

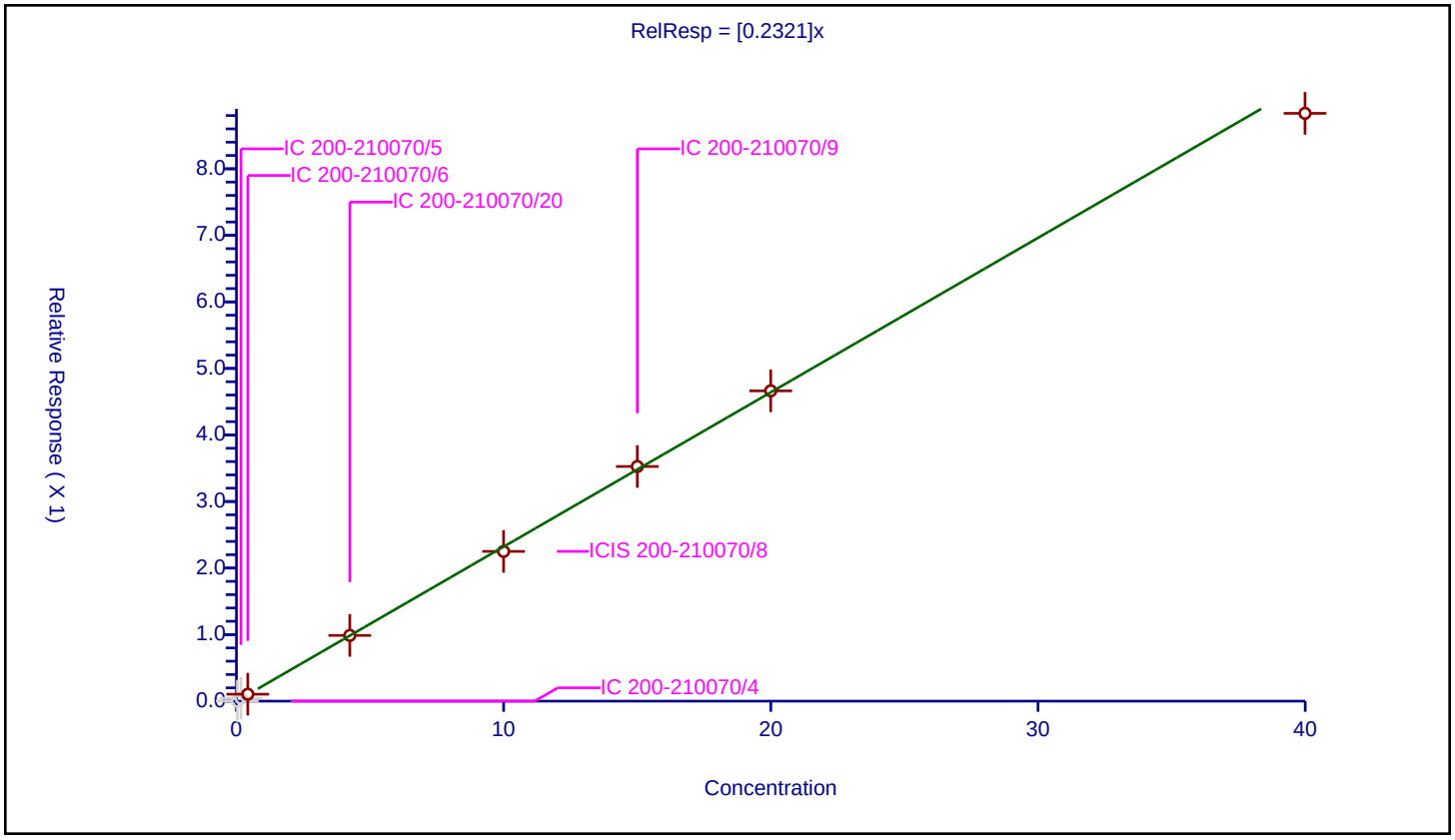
Curve Coefficients

Intercept:	0
Slope:	0.2321

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.0	10.0	3447177.0	0.0	N
2	IC 200-210070/5	0.170374	0.044399	10.0	3205442.0	0.260601	N
3	IC 200-210070/6	0.425385	0.104409	10.0	3217167.0	0.245445	Y
4	IC 200-210070/20	4.243678	0.987793	10.0	3476052.0	0.232768	Y
5	ICIS 200-210070/8	9.99806	2.250274	10.0	3544035.0	0.225071	Y
6	IC 200-210070/9	15.003557	3.526481	10.0	3331202.0	0.235043	Y
7	IC 200-210070/12	19.99612	4.663155	10.0	3264260.0	0.233203	Y
8	IC 200-210070/13	39.99224	8.833009	10.0	3371261.0	0.220868	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

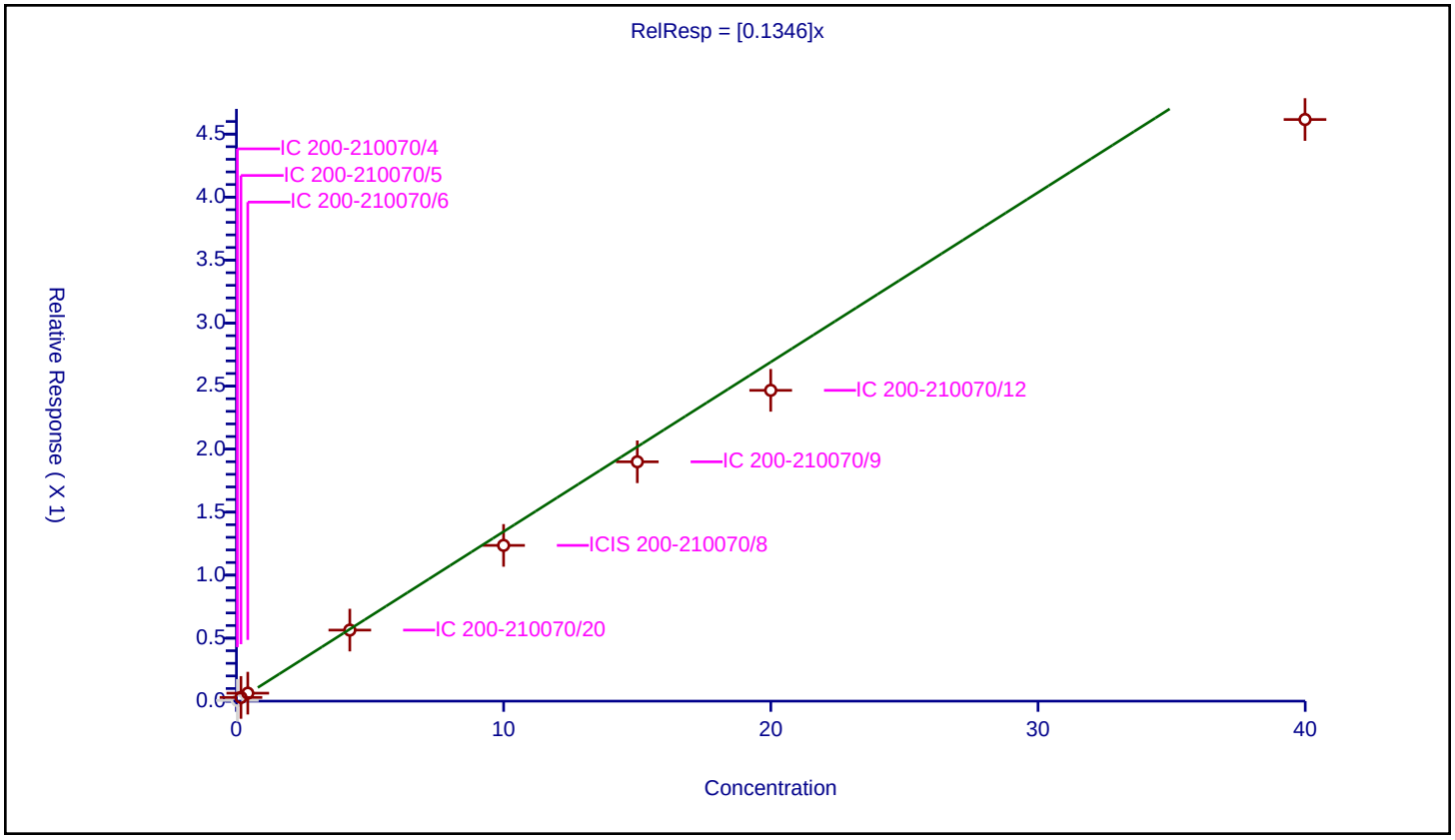
Curve Coefficients

Intercept:	0
Slope:	0.1346

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.005616	10.0	3447177.0	0.160111	N
2	IC 200-210070/5	0.170374	0.029216	10.0	3205442.0	0.171481	Y
3	IC 200-210070/6	0.425385	0.063211	10.0	3217167.0	0.148597	Y
4	IC 200-210070/20	4.243678	0.563815	10.0	3476052.0	0.13286	Y
5	ICIS 200-210070/8	9.99806	1.235857	10.0	3544035.0	0.12361	Y
6	IC 200-210070/9	15.003557	1.899516	10.0	3331202.0	0.126604	Y
7	IC 200-210070/12	19.99612	2.466611	10.0	3264260.0	0.123354	Y
8	IC 200-210070/13	39.99224	4.615599	10.0	3371261.0	0.115412	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

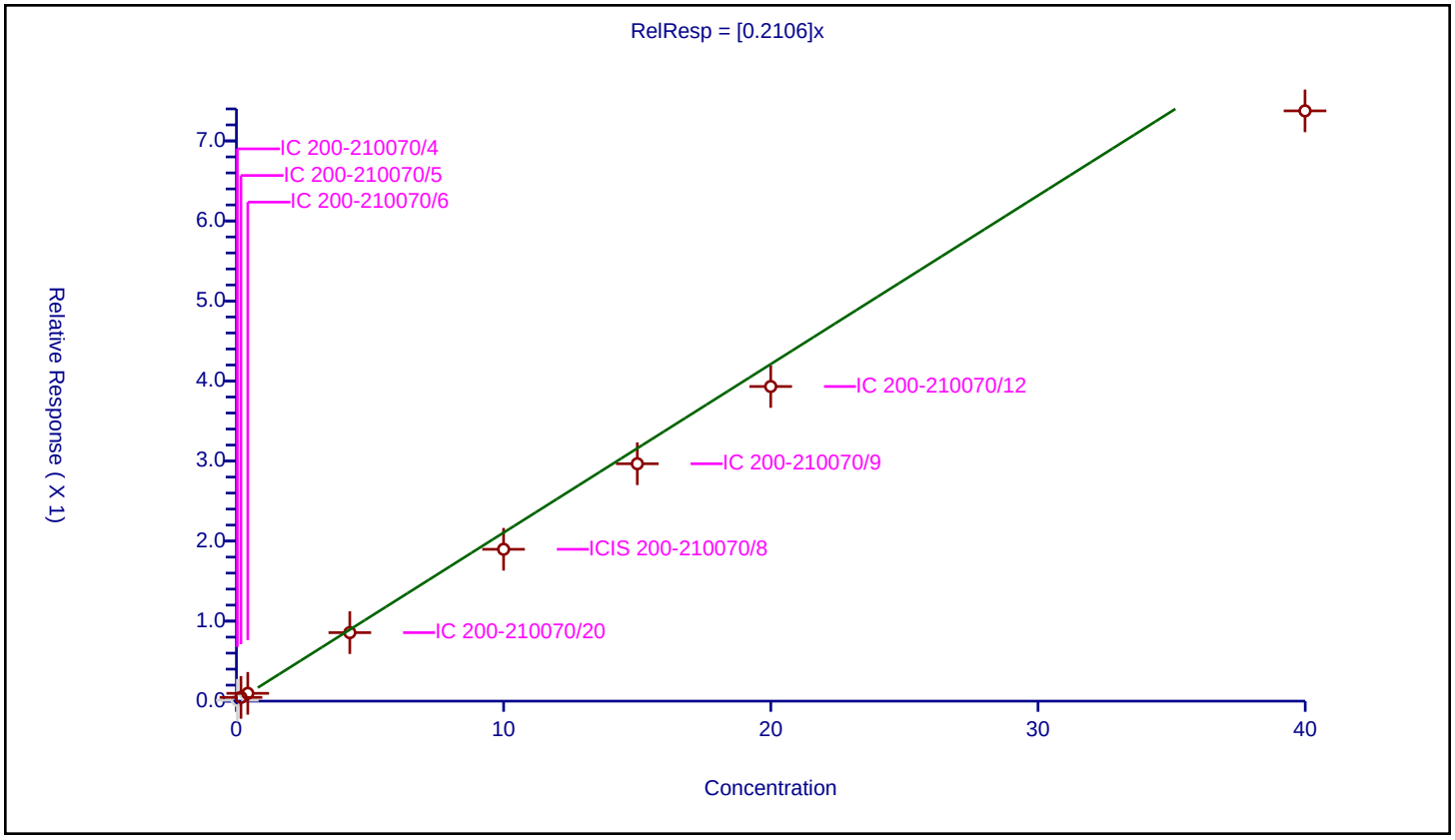
Curve Coefficients

Intercept:	0
Slope:	0.2106

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.0106	10.0	3447177.0	0.302192	N
2	IC 200-210070/5	0.170374	0.04677	10.0	3205442.0	0.274517	Y
3	IC 200-210070/6	0.425385	0.097514	10.0	3217167.0	0.229238	Y
4	IC 200-210070/20	4.243678	0.856167	10.0	3476052.0	0.201751	Y
5	ICIS 200-210070/8	9.99806	1.897515	10.0	3544035.0	0.189788	Y
6	IC 200-210070/9	15.003557	2.966146	10.0	3331202.0	0.197696	Y
7	IC 200-210070/12	19.99612	3.931387	10.0	3264260.0	0.196608	Y
8	IC 200-210070/13	39.99224	7.375267	10.0	3371261.0	0.184417	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

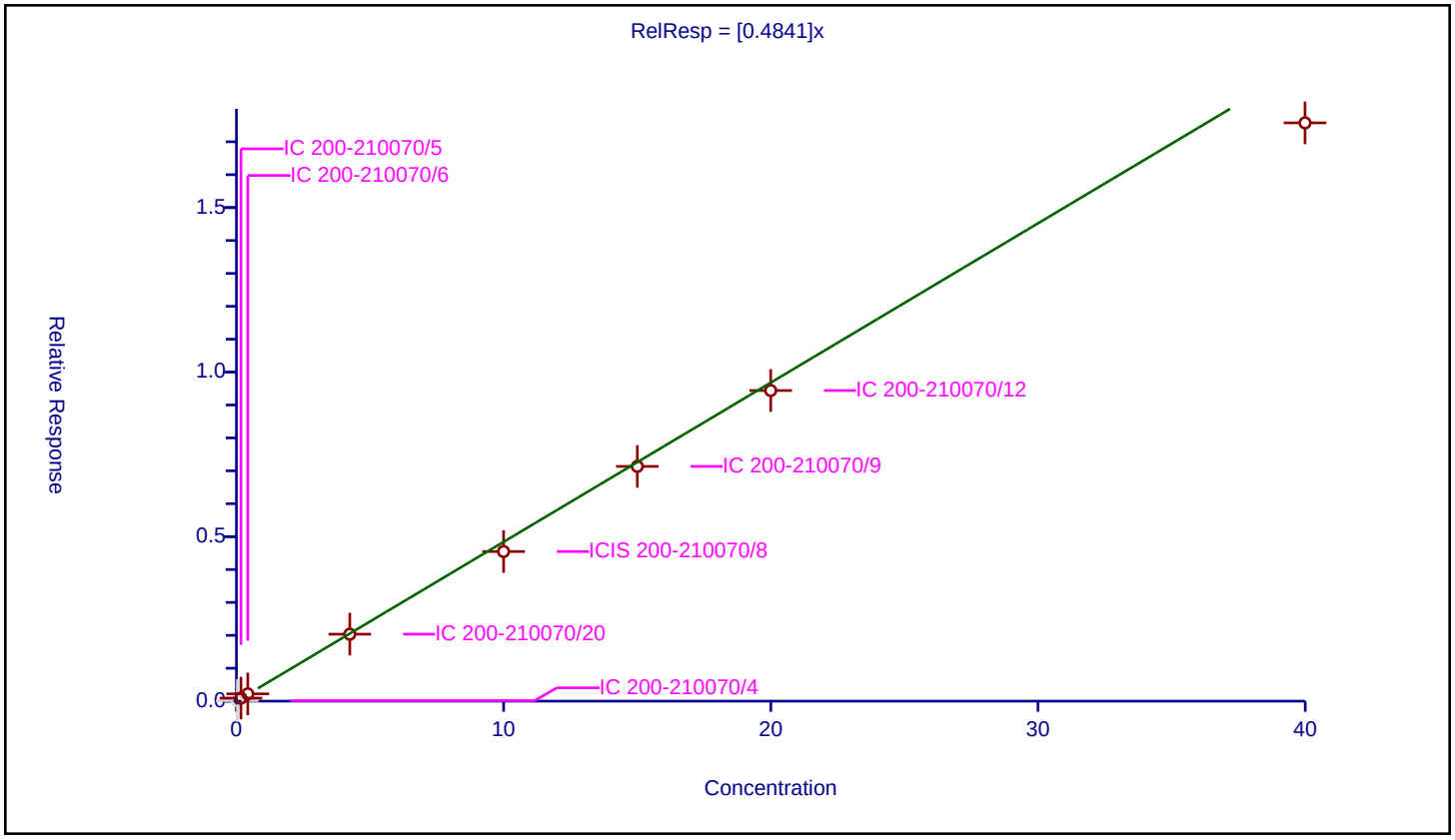
Curve Coefficients

Intercept:	0
Slope:	0.4841

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.015105	10.0	3447177.0	0.430628	N
2	IC 200-210070/5	0.170374	0.092979	10.0	3205442.0	0.545738	Y
3	IC 200-210070/6	0.425385	0.221639	10.0	3217167.0	0.521032	Y
4	IC 200-210070/20	4.243678	2.035617	10.0	3476052.0	0.479682	Y
5	ICIS 200-210070/8	9.99806	4.547633	10.0	3544035.0	0.454852	Y
6	IC 200-210070/9	15.003557	7.134572	10.0	3331202.0	0.475525	Y
7	IC 200-210070/12	19.99612	9.440924	10.0	3264260.0	0.472138	Y
8	IC 200-210070/13	39.99224	17.575361	10.0	3371261.0	0.439469	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

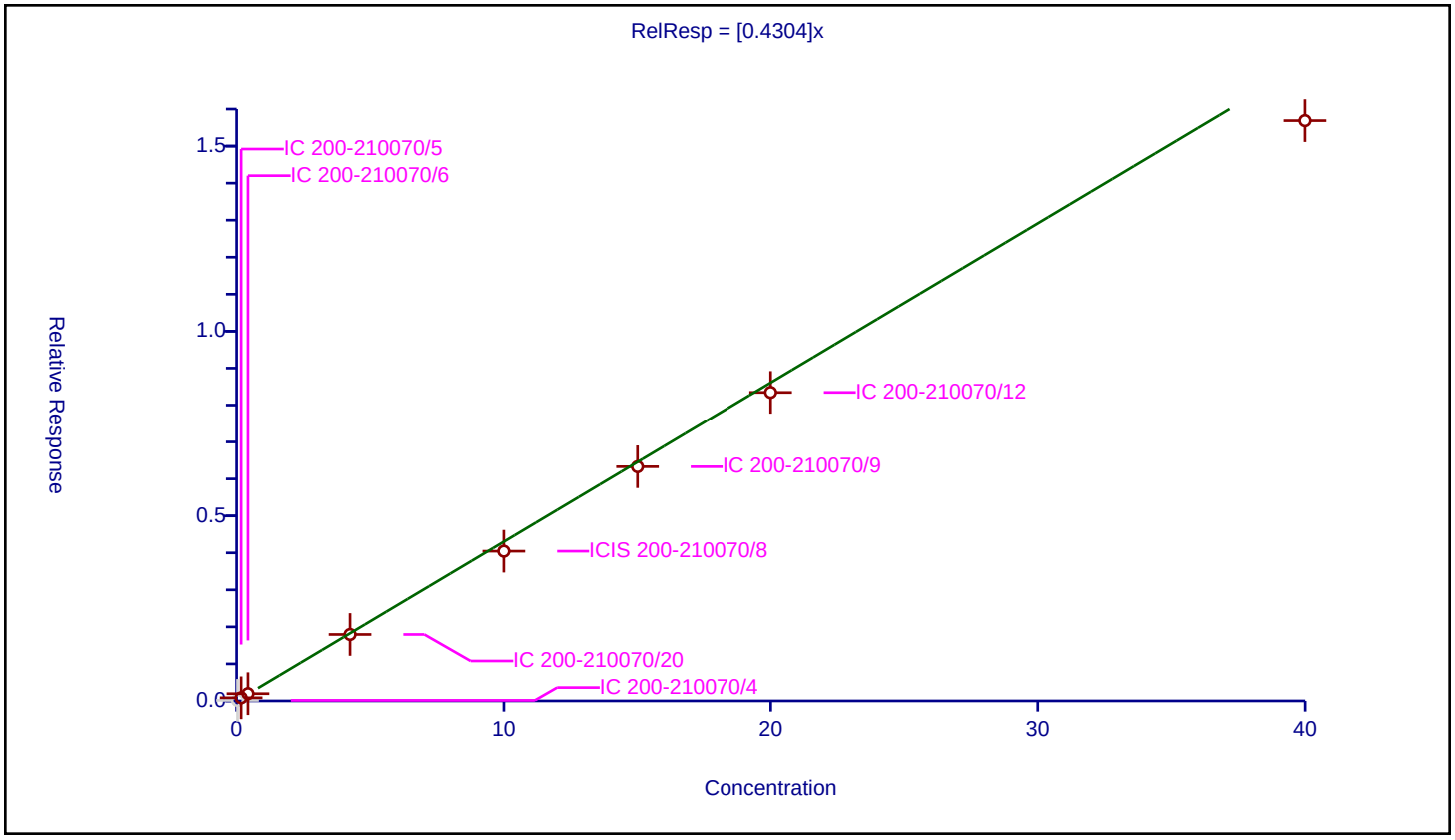
Curve Coefficients

Intercept:	0
Slope:	0.4304

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.014841	10.0	3447177.0	0.423102	N
2	IC 200-210070/5	0.170374	0.084347	10.0	3205442.0	0.495072	Y
3	IC 200-210070/6	0.425385	0.195029	10.0	3217167.0	0.458476	Y
4	IC 200-210070/20	4.243678	1.795175	10.0	3476052.0	0.423023	Y
5	ICIS 200-210070/8	9.99806	4.045894	10.0	3544035.0	0.404668	Y
6	IC 200-210070/9	15.003557	6.331162	10.0	3331202.0	0.421977	Y
7	IC 200-210070/12	19.99612	8.343364	10.0	3264260.0	0.417249	Y
8	IC 200-210070/13	39.99224	15.688346	10.0	3371261.0	0.392285	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

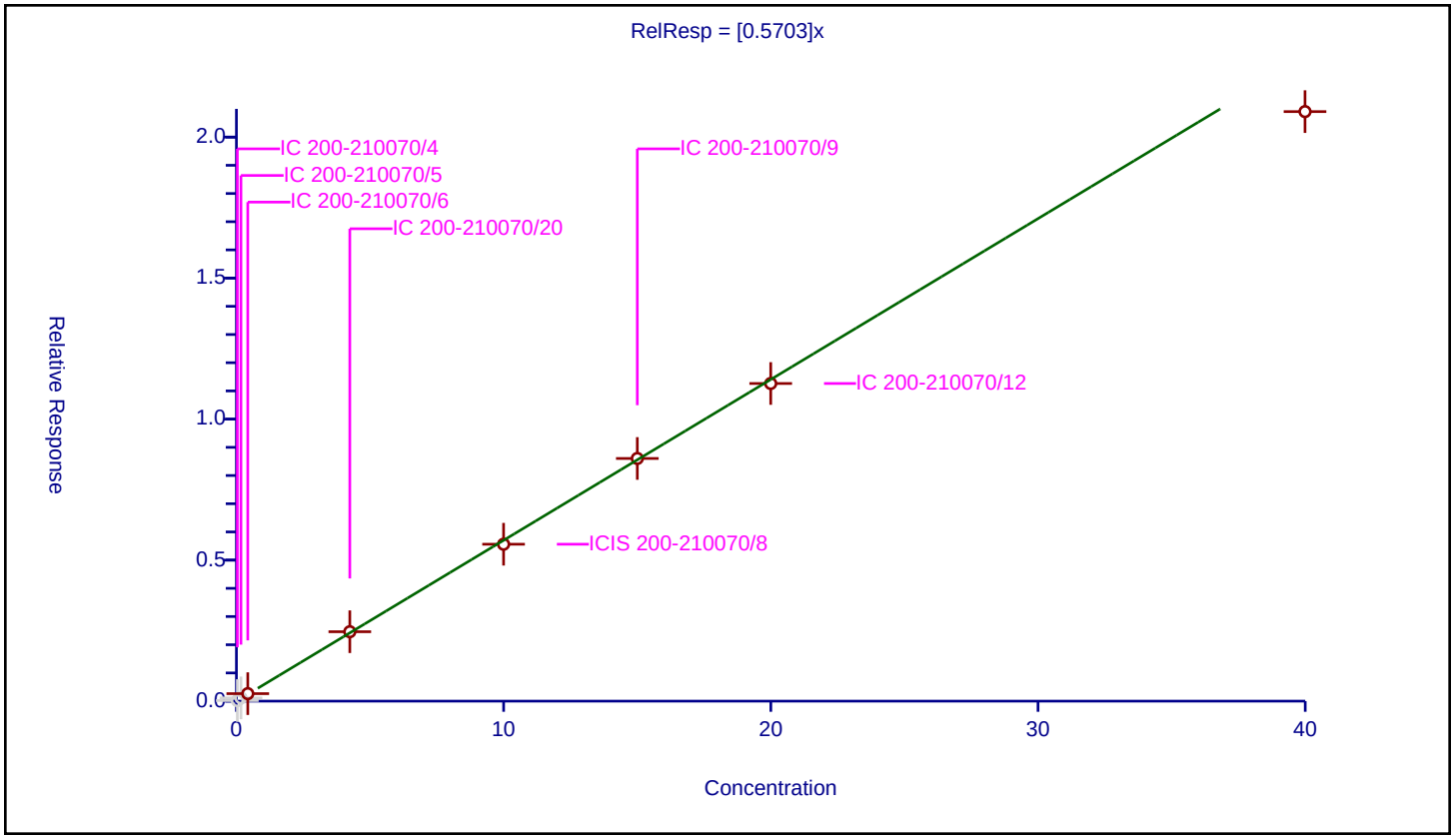
Curve Coefficients

Intercept:	0
Slope:	0.5703

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.020373	10.0	3447177.0	0.580814	N
2	IC 200-210070/5	0.170374	0.115157	10.0	3205442.0	0.67591	N
3	IC 200-210070/6	0.425385	0.266225	10.0	3217167.0	0.625845	Y
4	IC 200-210070/20	4.243678	2.461381	10.0	3476052.0	0.580011	Y
5	ICIS 200-210070/8	9.99806	5.563808	10.0	3544035.0	0.556489	Y
6	IC 200-210070/9	15.003557	8.604951	10.0	3331202.0	0.573527	Y
7	IC 200-210070/12	19.99612	11.263141	10.0	3264260.0	0.563266	Y
8	IC 200-210070/13	39.99224	20.903875	10.0	3371261.0	0.522698	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

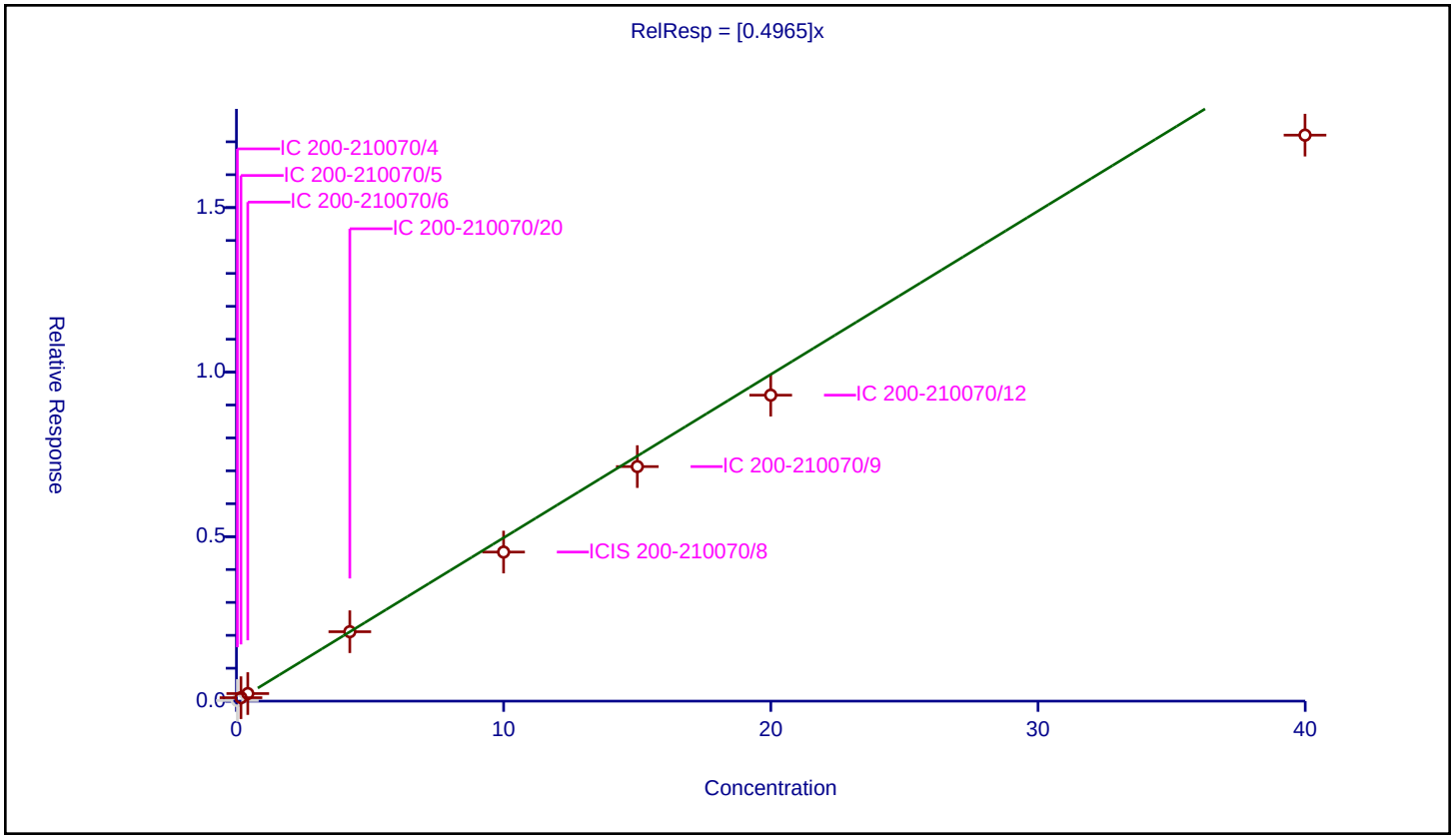
Curve Coefficients

Intercept:	0
Slope:	0.4965

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.018478	10.0	3012196.0	0.526791	N
2	IC 200-210070/5	0.170374	0.104615	10.0	2810400.0	0.614033	Y
3	IC 200-210070/6	0.425385	0.230086	10.0	2835153.0	0.54089	Y
4	IC 200-210070/20	4.243678	2.109646	10.0	3027565.0	0.497127	Y
5	ICIS 200-210070/8	9.99806	4.531299	10.0	3158152.0	0.453218	Y
6	IC 200-210070/9	15.003557	7.128533	10.0	2952996.0	0.475123	Y
7	IC 200-210070/12	19.99612	9.299871	10.0	2894723.0	0.465084	Y
8	IC 200-210070/13	39.99224	17.202808	10.0	2997821.0	0.430154	Y



Calibration / n-Octane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

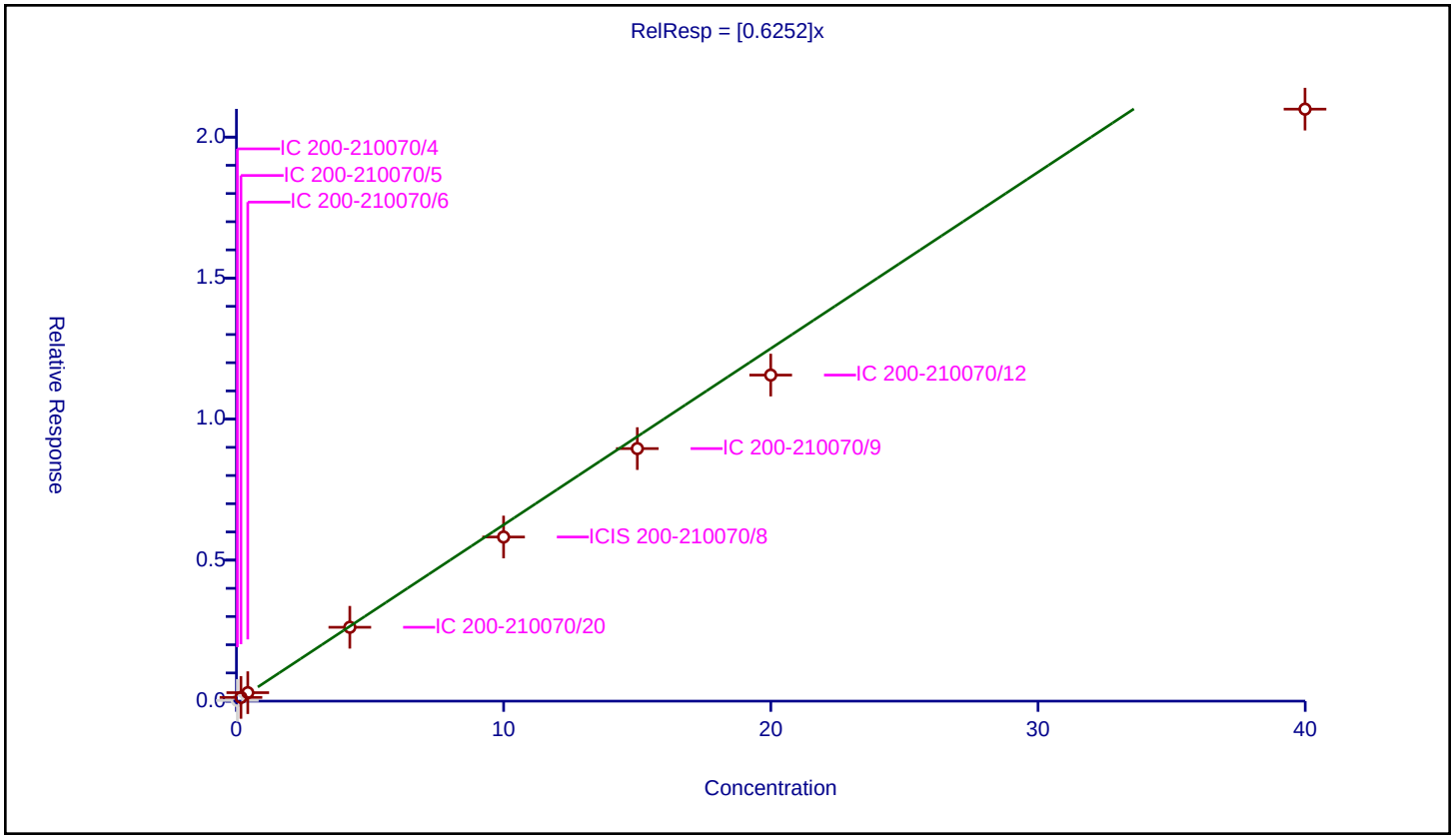
Curve Coefficients

Intercept:	0
Slope:	0.6252

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.023663	10.0	3447177.0	0.674598	N
2	IC 200-210070/5	0.170374	0.131398	10.0	3205442.0	0.771236	Y
3	IC 200-210070/6	0.425385	0.300354	10.0	3217167.0	0.706077	Y
4	IC 200-210070/20	4.243678	2.6194	10.0	3476052.0	0.617247	Y
5	ICIS 200-210070/8	9.99806	5.819742	10.0	3544035.0	0.582087	Y
6	IC 200-210070/9	15.003557	8.955059	10.0	3331202.0	0.596862	Y
7	IC 200-210070/12	19.99612	11.56138	10.0	3264260.0	0.578181	Y
8	IC 200-210070/13	39.99224	20.991507	10.0	3371261.0	0.52489	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

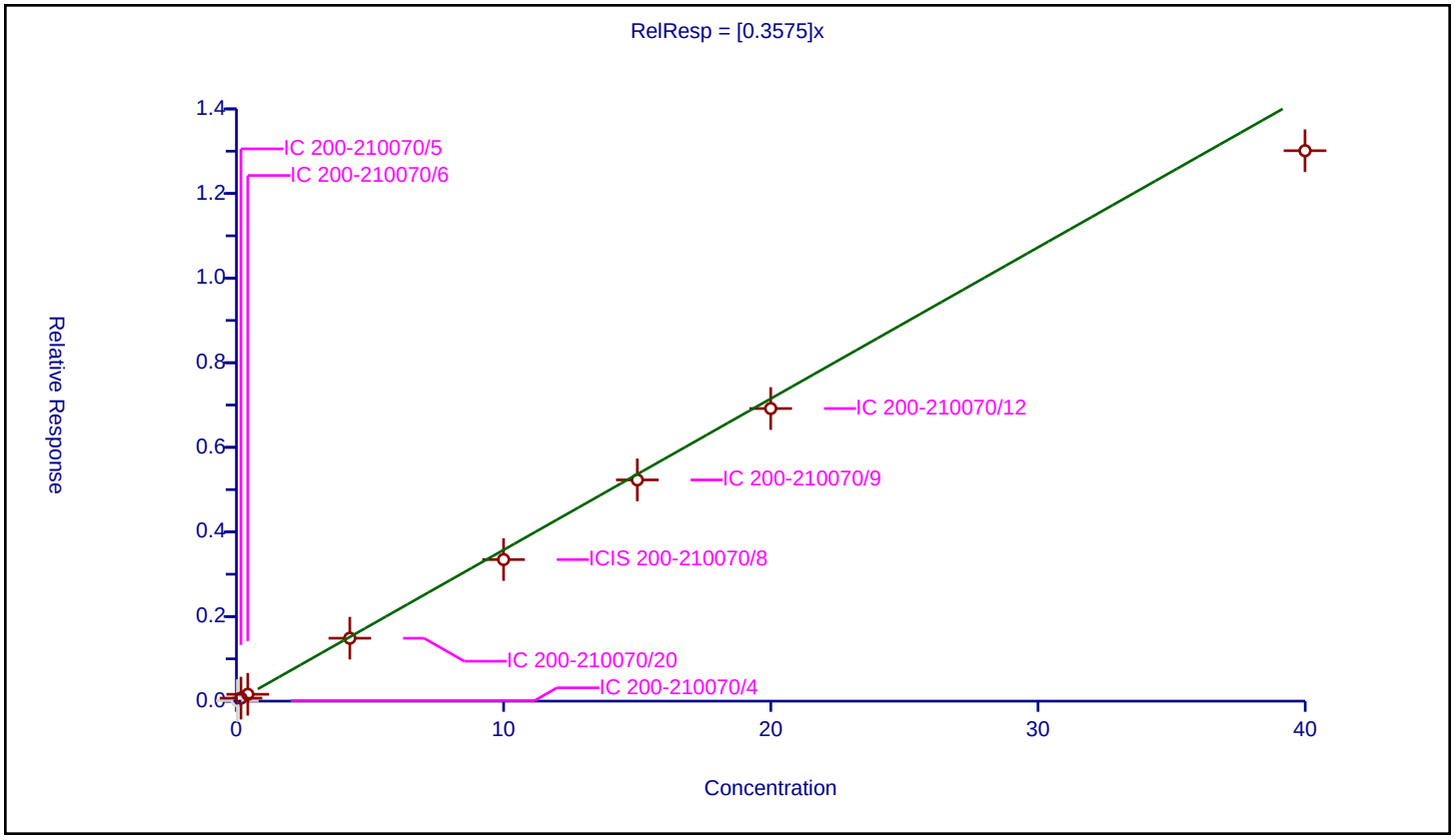
Curve Coefficients

Intercept:	0
Slope:	0.3575

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.012471	10.0	3447177.0	0.355535	N
2	IC 200-210070/5	0.170374	0.070998	10.0	3205442.0	0.416719	Y
3	IC 200-210070/6	0.425385	0.162068	10.0	3217167.0	0.380992	Y
4	IC 200-210070/20	4.243678	1.487541	10.0	3476052.0	0.350531	Y
5	ICIS 200-210070/8	9.99806	3.346589	10.0	3544035.0	0.334724	Y
6	IC 200-210070/9	15.003557	5.229545	10.0	3331202.0	0.348554	Y
7	IC 200-210070/12	19.99612	6.916879	10.0	3264260.0	0.345911	Y
8	IC 200-210070/13	39.99224	13.011742	10.0	3371261.0	0.325357	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

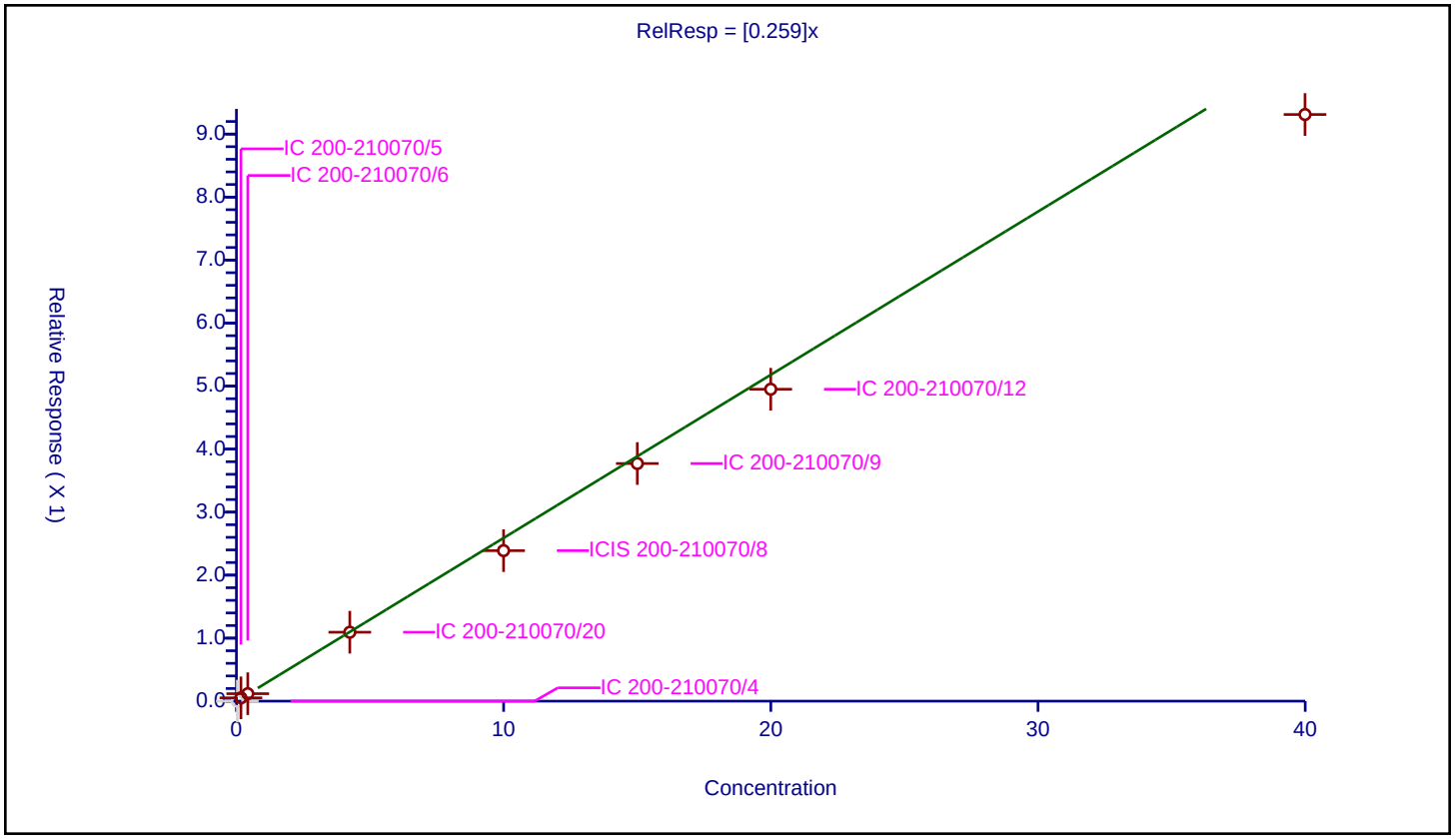
Curve Coefficients

Intercept:	0
Slope:	0.259

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.0	10.0	3012196.0	0.0	N
2	IC 200-210070/5	0.170374	0.052199	10.0	2810400.0	0.306379	Y
3	IC 200-210070/6	0.425385	0.118357	10.0	2835153.0	0.278235	Y
4	IC 200-210070/20	4.243678	1.093846	10.0	3027565.0	0.257759	Y
5	ICIS 200-210070/8	9.99806	2.388618	10.0	3158152.0	0.238908	Y
6	IC 200-210070/9	15.003557	3.771515	10.0	2952996.0	0.251375	Y
7	IC 200-210070/12	19.99612	4.950519	10.0	2894723.0	0.247574	Y
8	IC 200-210070/13	39.99224	9.310626	10.0	2997821.0	0.232811	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

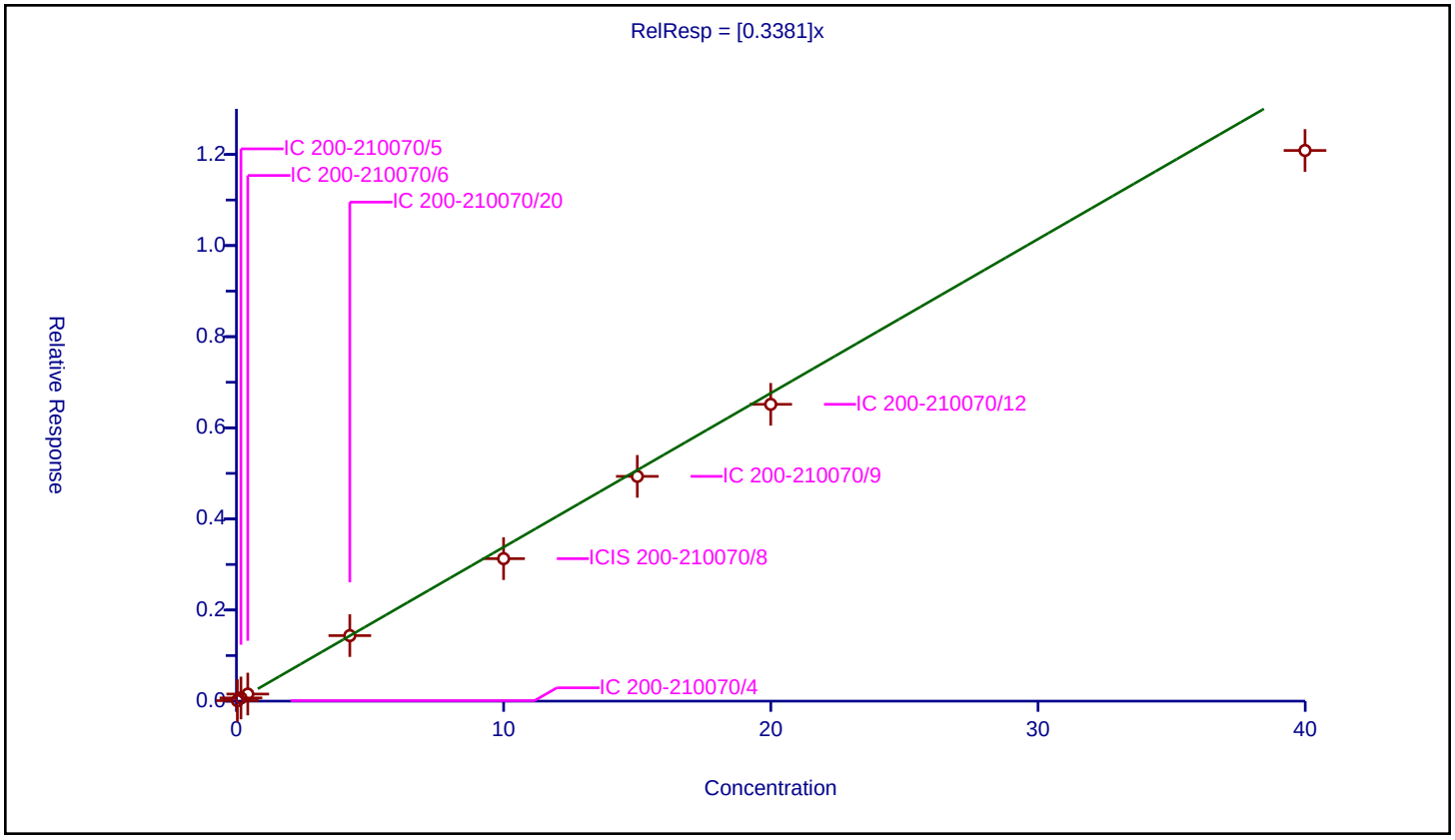
Curve Coefficients

Intercept:	0
Slope:	0.3381

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.011214	10.0	3012196.0	0.319709	Y
2	IC 200-210070/5	0.170374	0.069766	10.0	2810400.0	0.409487	Y
3	IC 200-210070/6	0.425385	0.155985	10.0	2835153.0	0.36669	Y
4	IC 200-210070/20	4.243678	1.438301	10.0	3027565.0	0.338928	Y
5	ICIS 200-210070/8	9.99806	3.127487	10.0	3158152.0	0.312809	Y
6	IC 200-210070/9	15.003557	4.93383	10.0	2952996.0	0.328844	Y
7	IC 200-210070/12	19.99612	6.515162	10.0	2894723.0	0.325821	Y
8	IC 200-210070/13	39.99224	12.087373	10.0	2997821.0	0.302243	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

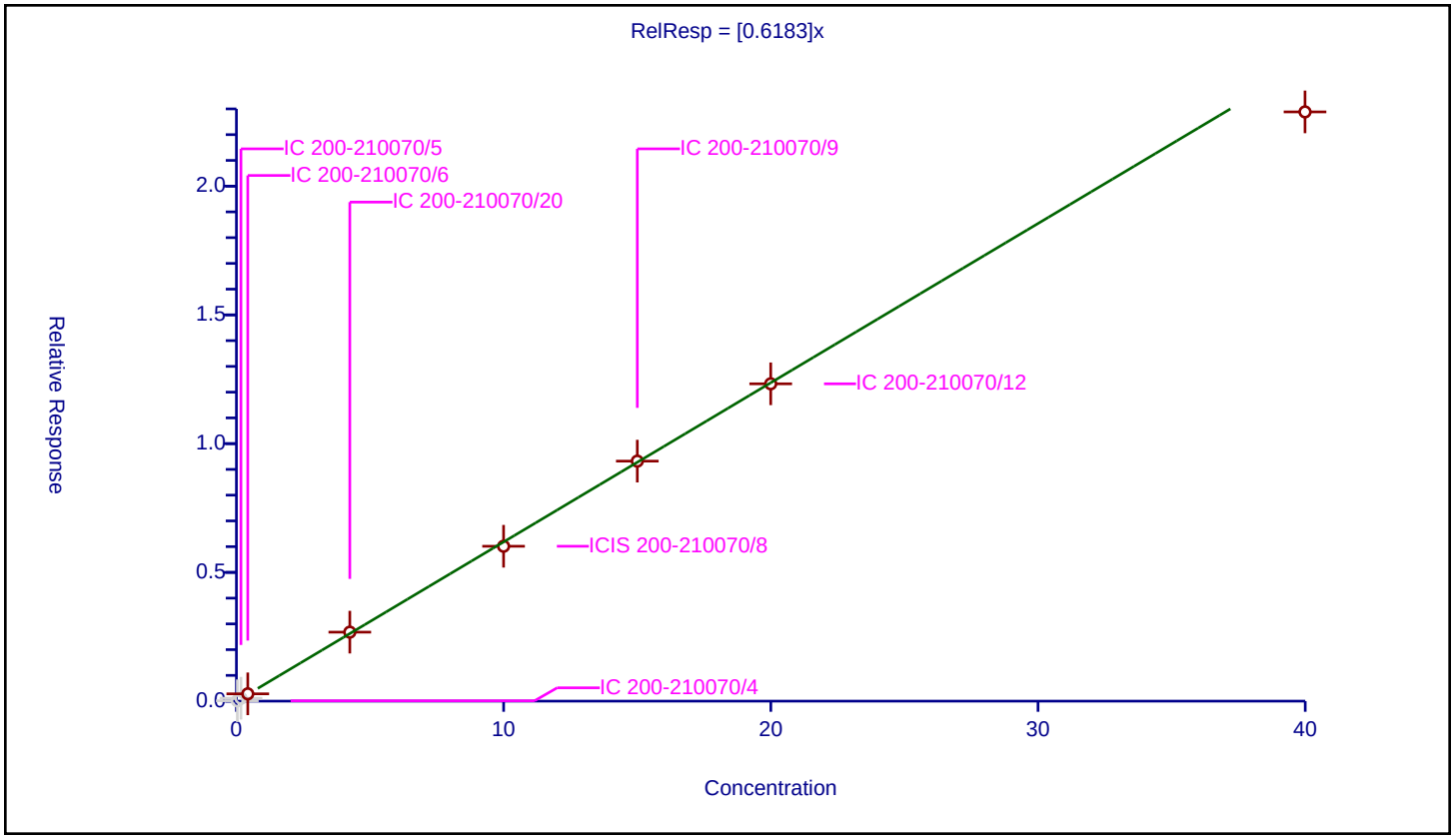
Curve Coefficients

Intercept:	0
Slope:	0.6183

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.014013	10.0	3012196.0	0.399494	N
2	IC 200-210070/5	0.170374	0.113706	10.0	2810400.0	0.667393	N
3	IC 200-210070/6	0.425385	0.283731	10.0	2835153.0	0.666998	Y
4	IC 200-210070/20	4.243678	2.679741	10.0	3027565.0	0.631467	Y
5	ICIS 200-210070/8	9.99806	6.014704	10.0	3158152.0	0.601587	Y
6	IC 200-210070/9	15.003557	9.321289	10.0	2952996.0	0.621272	Y
7	IC 200-210070/12	19.99612	12.323611	10.0	2894723.0	0.6163	Y
8	IC 200-210070/13	39.99224	22.882684	10.0	2997821.0	0.572178	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

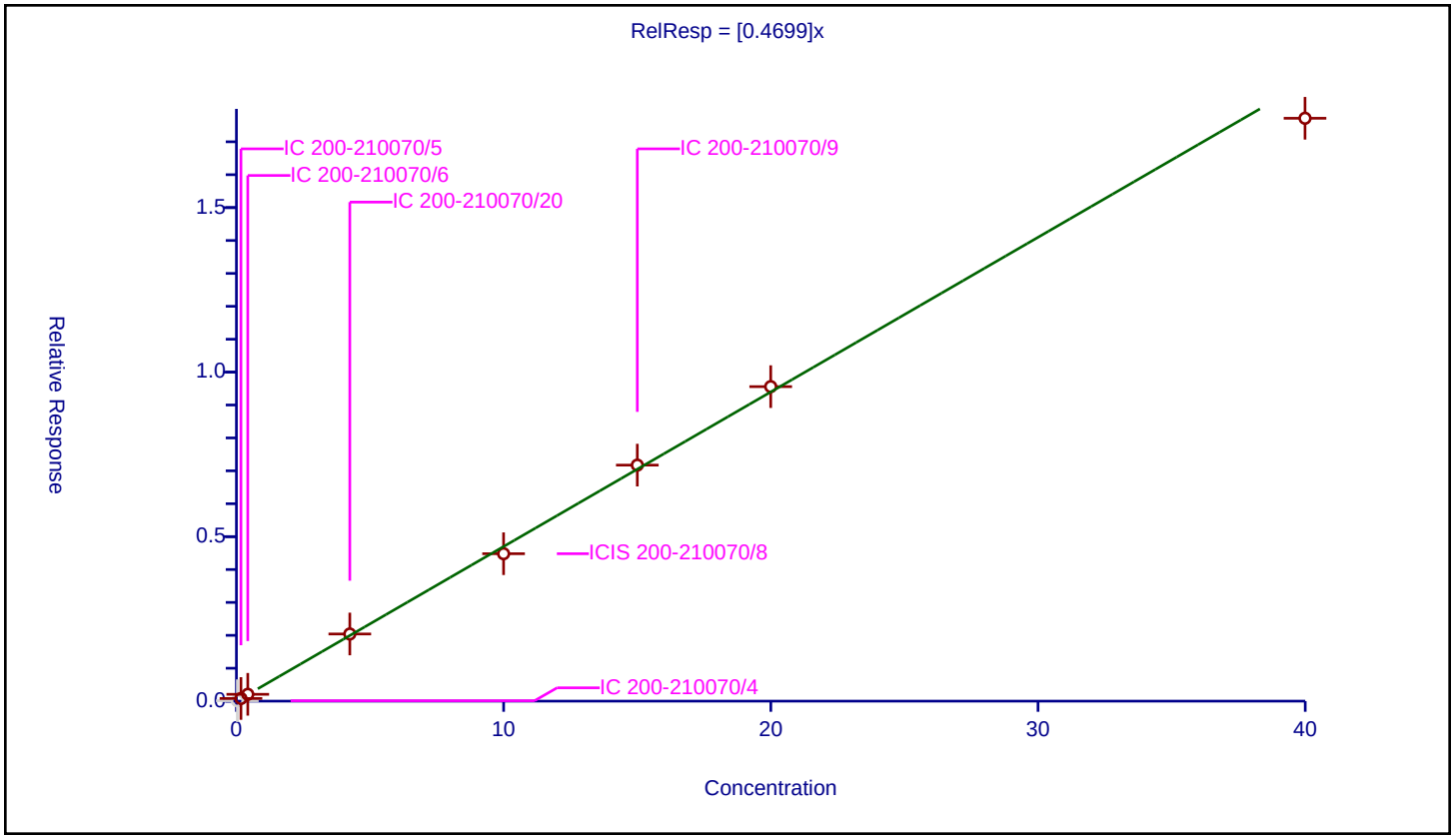
Curve Coefficients

Intercept:	0
Slope:	0.4699

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.012549	10.0	3012196.0	0.357756	N
2	IC 200-210070/5	0.170374	0.080473	10.0	2810400.0	0.472329	Y
3	IC 200-210070/6	0.425385	0.207929	10.0	2835153.0	0.488802	Y
4	IC 200-210070/20	4.243678	2.041155	10.0	3027565.0	0.480987	Y
5	ICIS 200-210070/8	9.99806	4.480579	10.0	3158152.0	0.448145	Y
6	IC 200-210070/9	15.003557	7.17322	10.0	2952996.0	0.478101	Y
7	IC 200-210070/12	19.99612	9.558963	10.0	2894723.0	0.478041	Y
8	IC 200-210070/13	39.99224	17.714737	10.0	2997821.0	0.442954	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

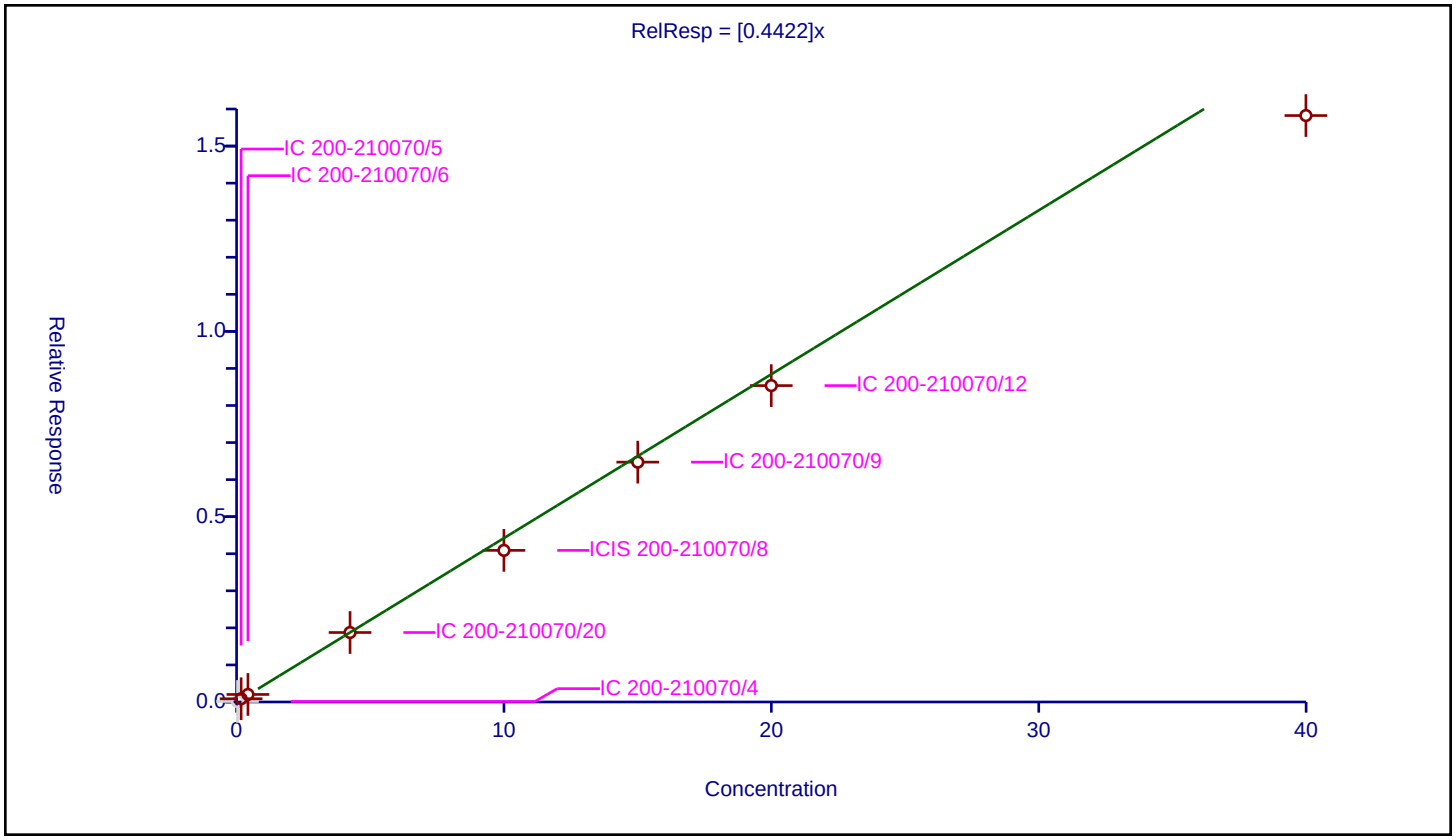
Curve Coefficients

Intercept:	0
Slope:	0.4422

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.013867	10.0	3012196.0	0.39533	N
2	IC 200-210070/5	0.170374	0.087475	10.0	2810400.0	0.513431	Y
3	IC 200-210070/6	0.425385	0.202945	10.0	2835153.0	0.477086	Y
4	IC 200-210070/20	4.243678	1.874592	10.0	3027565.0	0.441738	Y
5	ICIS 200-210070/8	9.99806	4.091029	10.0	3158152.0	0.409182	Y
6	IC 200-210070/9	15.003557	6.471743	10.0	2952996.0	0.431347	Y
7	IC 200-210070/12	19.99612	8.536831	10.0	2894723.0	0.426924	Y
8	IC 200-210070/13	39.99224	15.823356	10.0	2997821.0	0.395661	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

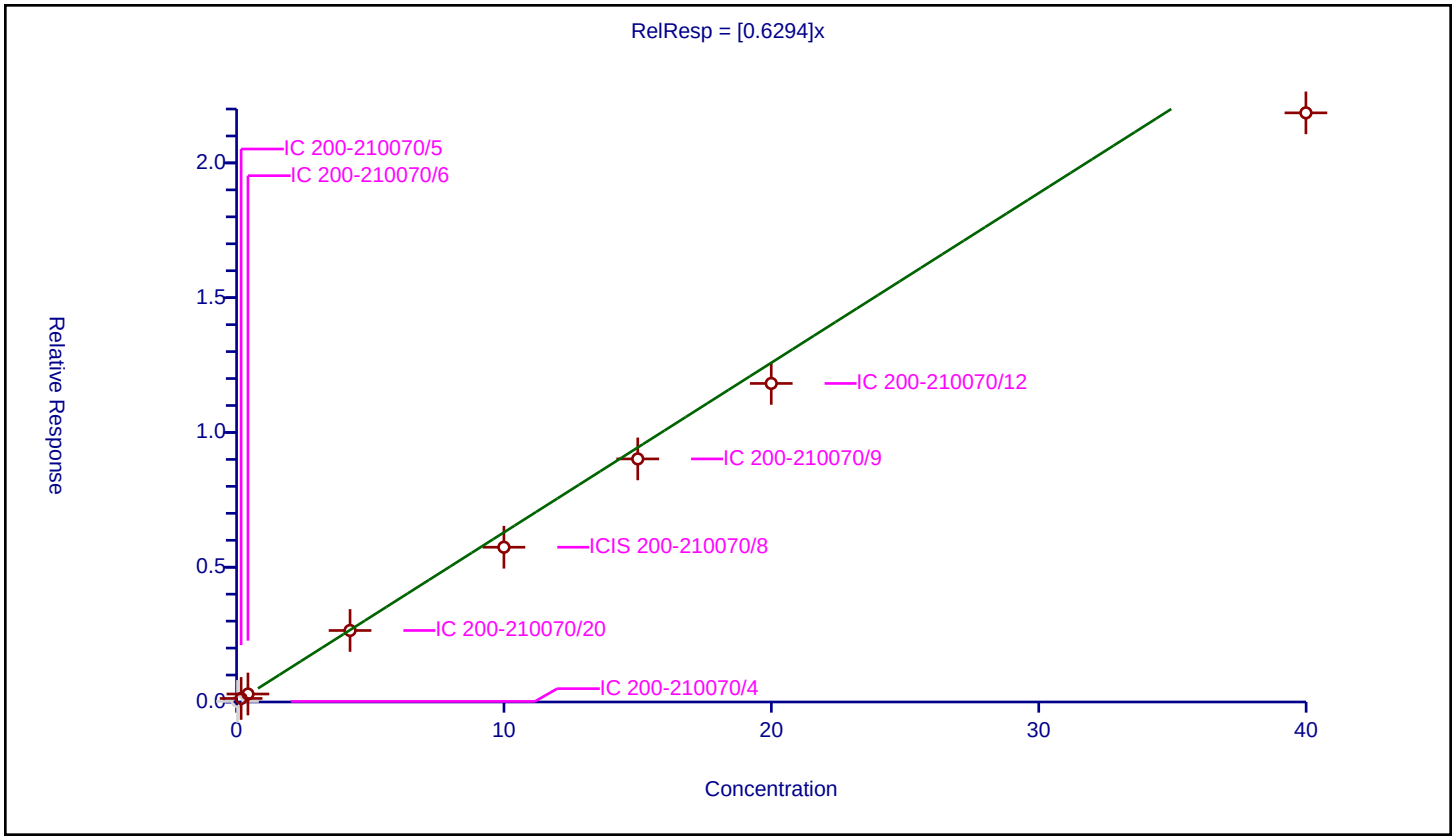
Curve Coefficients

Intercept:	0
Slope:	0.6294

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.021496	10.0	3012196.0	0.612823	N
2	IC 200-210070/5	0.170374	0.13133	10.0	2810400.0	0.770835	Y
3	IC 200-210070/6	0.425385	0.296227	10.0	2835153.0	0.696375	Y
4	IC 200-210070/20	4.243678	2.653439	10.0	3027565.0	0.625269	Y
5	ICIS 200-210070/8	9.99806	5.741852	10.0	3158152.0	0.574297	Y
6	IC 200-210070/9	15.003557	9.01837	10.0	2952996.0	0.601082	Y
7	IC 200-210070/12	19.99612	11.818654	10.0	2894723.0	0.591047	Y
8	IC 200-210070/13	39.99224	21.857593	10.0	2997821.0	0.546546	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

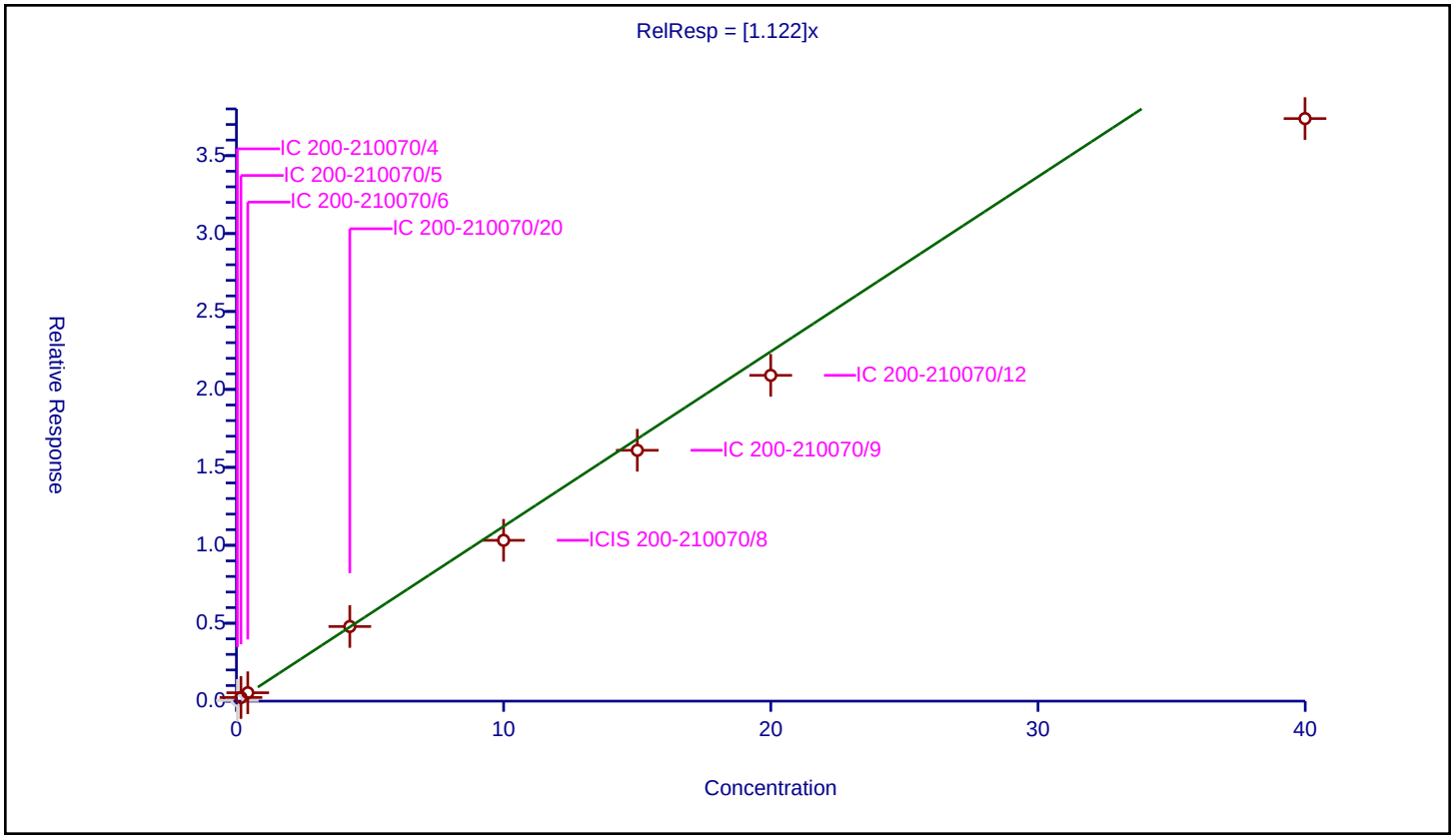
Curve Coefficients

Intercept:	0
Slope:	1.122

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.041644	10.0	3012196.0	1.18722	N
2	IC 200-210070/5	0.170374	0.233632	10.0	2810400.0	1.371293	Y
3	IC 200-210070/6	0.425385	0.53886	10.0	2835153.0	1.266759	Y
4	IC 200-210070/20	4.243678	4.789493	10.0	3027565.0	1.128618	Y
5	ICIS 200-210070/8	9.99806	10.31855	10.0	3158152.0	1.032055	Y
6	IC 200-210070/9	15.003557	16.094925	10.0	2952996.0	1.072741	Y
7	IC 200-210070/12	19.99612	20.904011	10.0	2894723.0	1.045403	Y
8	IC 200-210070/13	39.99224	37.378026	10.0	2997821.0	0.934632	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

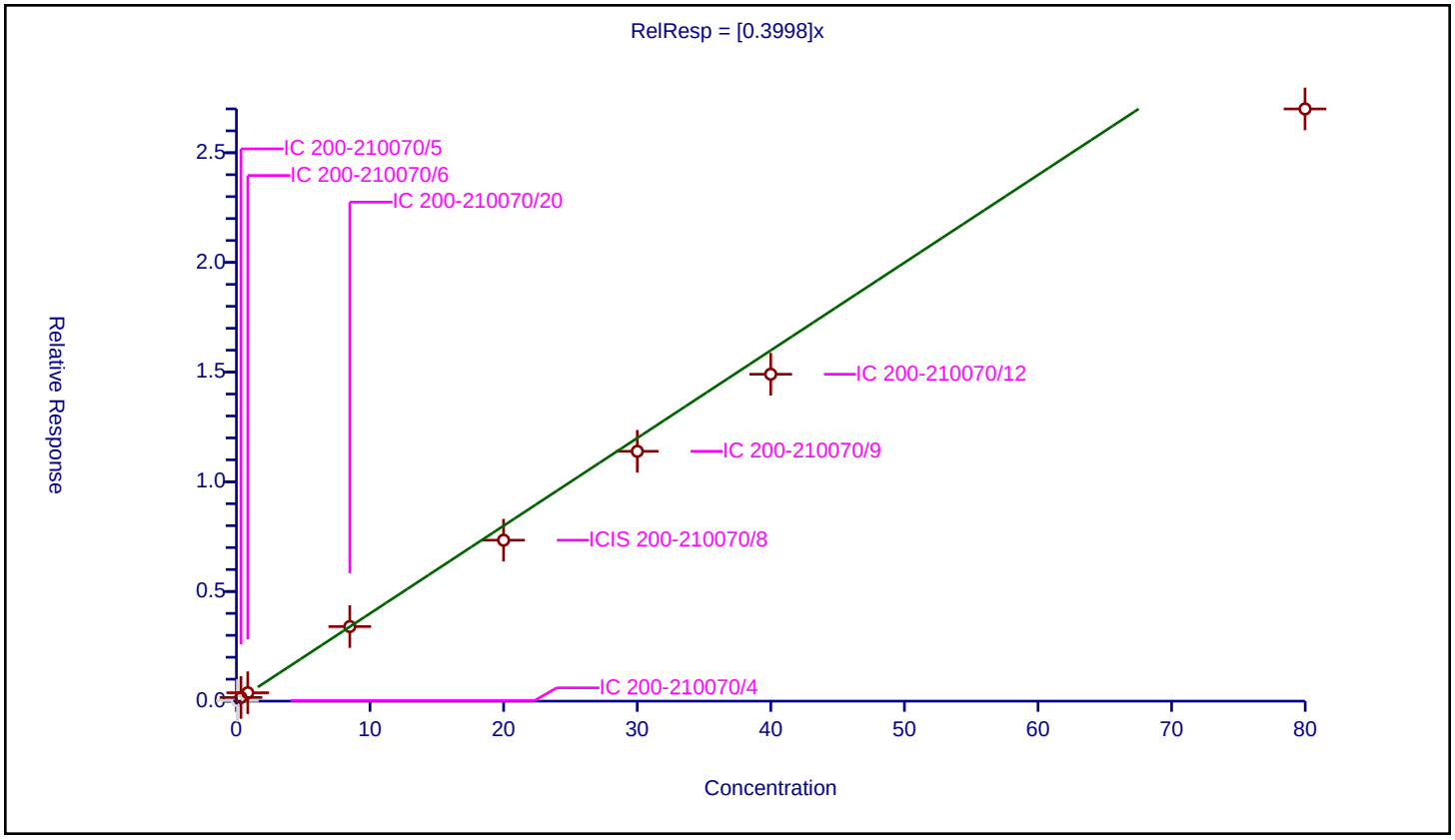
Curve Coefficients

Intercept:	0
Slope:	0.3998

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.070154	0.027684	10.0	3012196.0	0.39462	N
2	IC 200-210070/5	0.340747	0.167503	10.0	2810400.0	0.491575	Y
3	IC 200-210070/6	0.850769	0.382533	10.0	2835153.0	0.449632	Y
4	IC 200-210070/20	8.487357	3.400664	10.0	3027565.0	0.400674	Y
5	ICIS 200-210070/8	19.99612	7.337639	10.0	3158152.0	0.366953	Y
6	IC 200-210070/9	30.007114	11.390571	10.0	2952996.0	0.379596	Y
7	IC 200-210070/12	39.99224	14.904497	10.0	2894723.0	0.372685	Y
8	IC 200-210070/13	79.984479	26.997339	10.0	2997821.0	0.337532	Y



Calibration / n-Nonane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

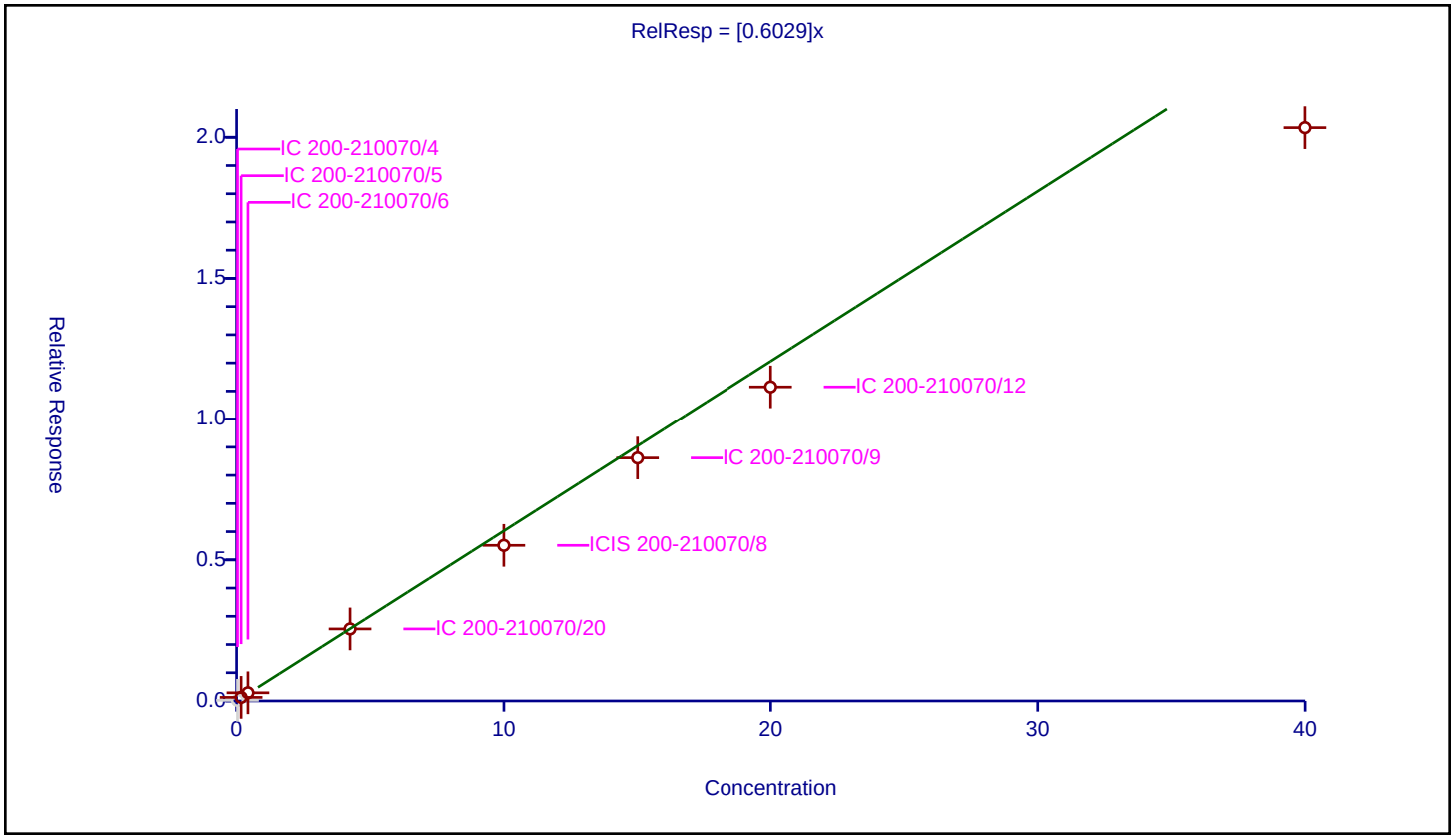
Curve Coefficients

Intercept:	0
Slope:	0.6029

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.02209	10.0	3012196.0	0.629764	N
2	IC 200-210070/5	0.170374	0.12738	10.0	2810400.0	0.747653	Y
3	IC 200-210070/6	0.425385	0.288993	10.0	2835153.0	0.679369	Y
4	IC 200-210070/20	4.243678	2.551988	10.0	3027565.0	0.601362	Y
5	ICIS 200-210070/8	9.99806	5.515064	10.0	3158152.0	0.551613	Y
6	IC 200-210070/9	15.003557	8.618359	10.0	2952996.0	0.574421	Y
7	IC 200-210070/12	19.99612	11.147367	10.0	2894723.0	0.557477	Y
8	IC 200-210070/13	39.99224	20.341091	10.0	2997821.0	0.508626	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

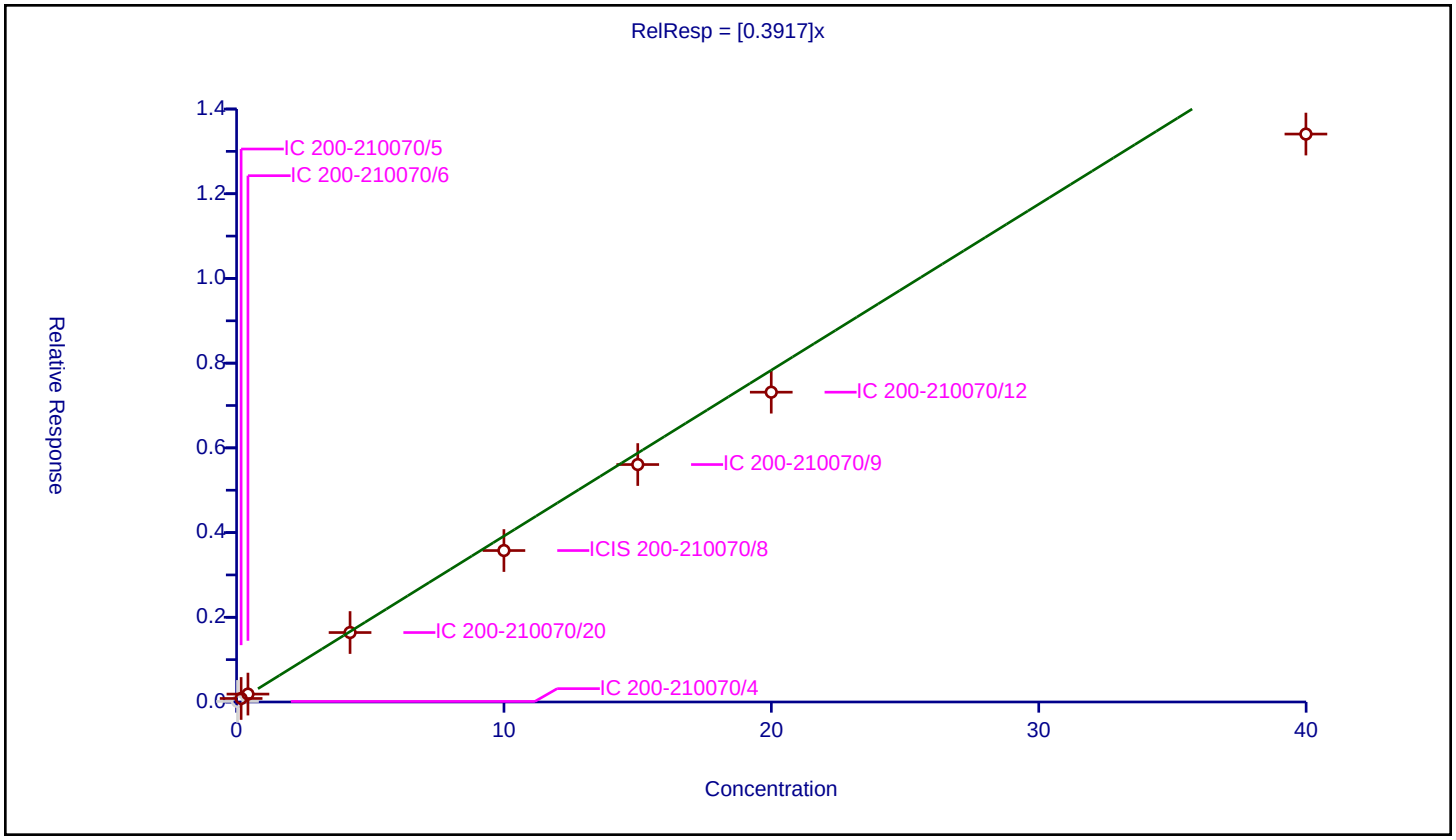
Curve Coefficients

Intercept:	0
Slope:	0.3917

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.013704	10.0	3012196.0	0.390692	N
2	IC 200-210070/5	0.170374	0.082508	10.0	2810400.0	0.484276	Y
3	IC 200-210070/6	0.425385	0.186777	10.0	2835153.0	0.439077	Y
4	IC 200-210070/20	4.243678	1.639985	10.0	3027565.0	0.386454	Y
5	ICIS 200-210070/8	9.99806	3.575908	10.0	3158152.0	0.35766	Y
6	IC 200-210070/9	15.003557	5.606232	10.0	2952996.0	0.37366	Y
7	IC 200-210070/12	19.99612	7.314154	10.0	2894723.0	0.365779	Y
8	IC 200-210070/13	39.99224	13.408743	10.0	2997821.0	0.335284	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

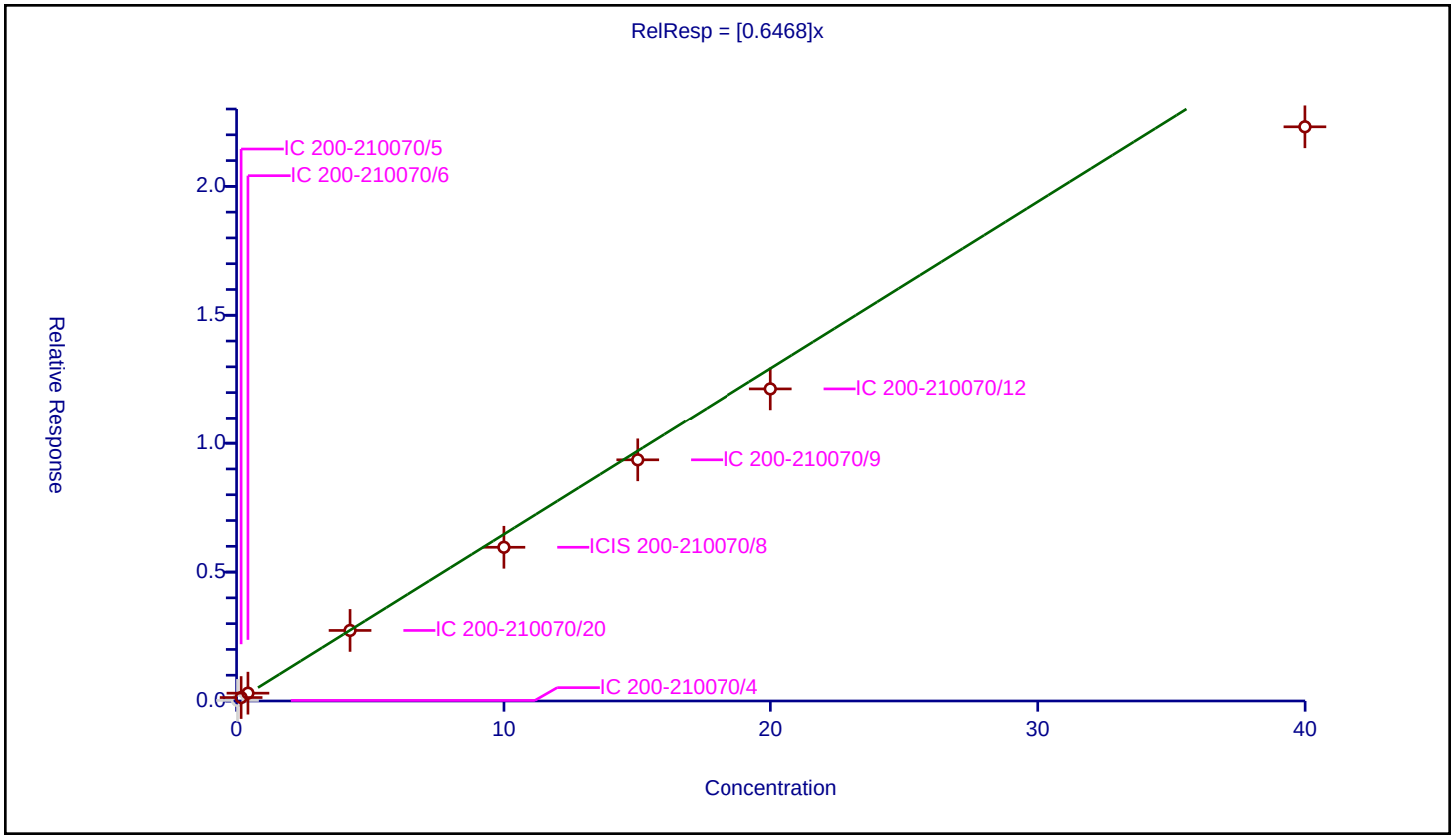
Curve Coefficients

Intercept:	0
Slope:	0.6468

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.021964	10.0	3012196.0	0.626168	N
2	IC 200-210070/5	0.170374	0.133447	10.0	2810400.0	0.783262	Y
3	IC 200-210070/6	0.425385	0.303832	10.0	2835153.0	0.714252	Y
4	IC 200-210070/20	4.243678	2.736394	10.0	3027565.0	0.644816	Y
5	ICIS 200-210070/8	9.99806	5.961923	10.0	3158152.0	0.596308	Y
6	IC 200-210070/9	15.003557	9.354838	10.0	2952996.0	0.623508	Y
7	IC 200-210070/12	19.99612	12.143183	10.0	2894723.0	0.607277	Y
8	IC 200-210070/13	39.99224	22.310345	10.0	2997821.0	0.557867	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

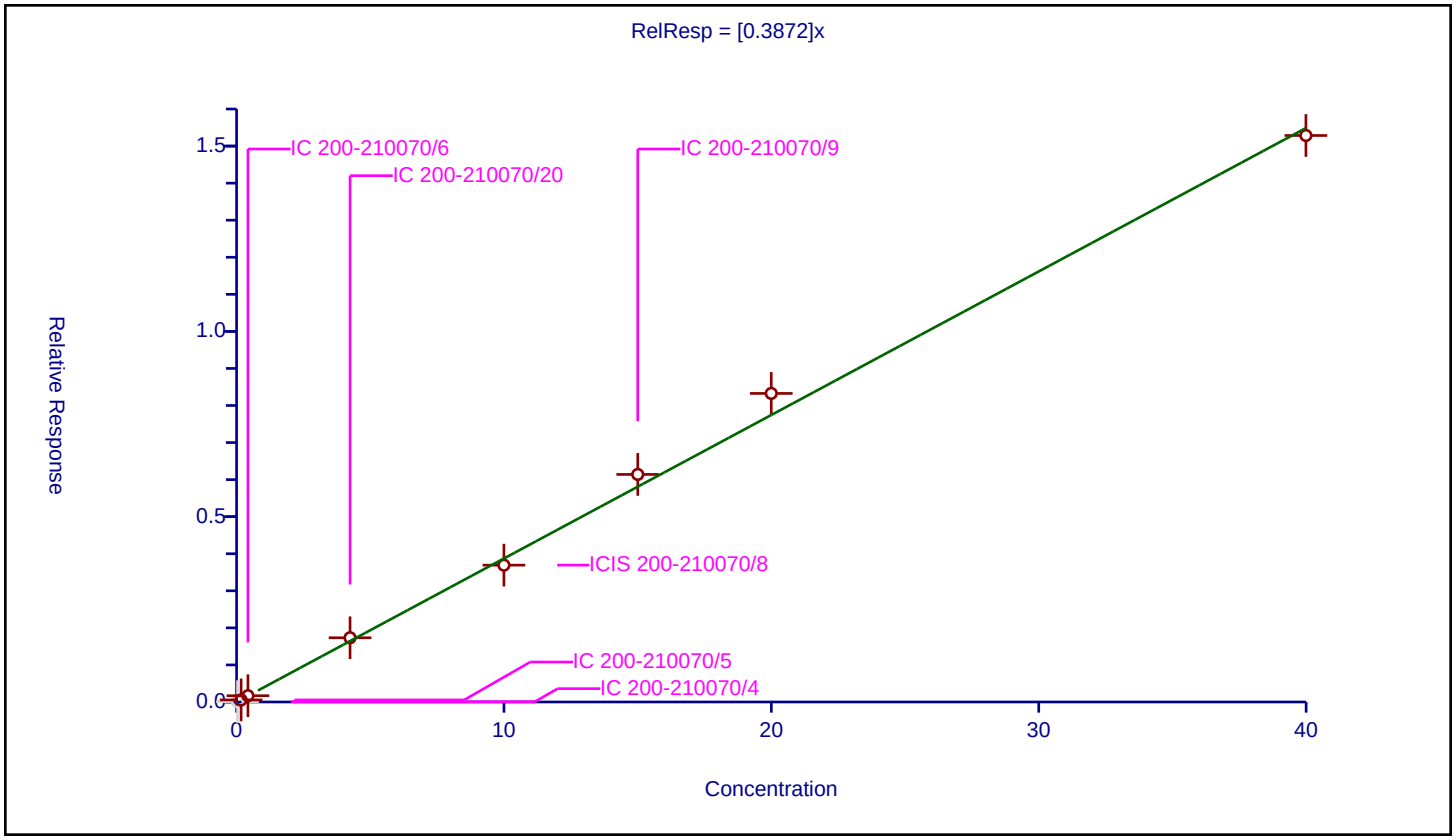
Curve Coefficients

Intercept:	0
Slope:	0.3872

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.008499	10.0	3012196.0	0.24229	N
2	IC 200-210070/5	0.170374	0.055775	10.0	2810400.0	0.327368	Y
3	IC 200-210070/6	0.425385	0.169169	10.0	2835153.0	0.397685	Y
4	IC 200-210070/20	4.243678	1.733066	10.0	3027565.0	0.408388	Y
5	ICIS 200-210070/8	9.99806	3.692131	10.0	3158152.0	0.369285	Y
6	IC 200-210070/9	15.003557	6.139917	10.0	2952996.0	0.409231	Y
7	IC 200-210070/12	19.99612	8.326095	10.0	2894723.0	0.416386	Y
8	IC 200-210070/13	39.99224	15.285699	10.0	2997821.0	0.382217	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

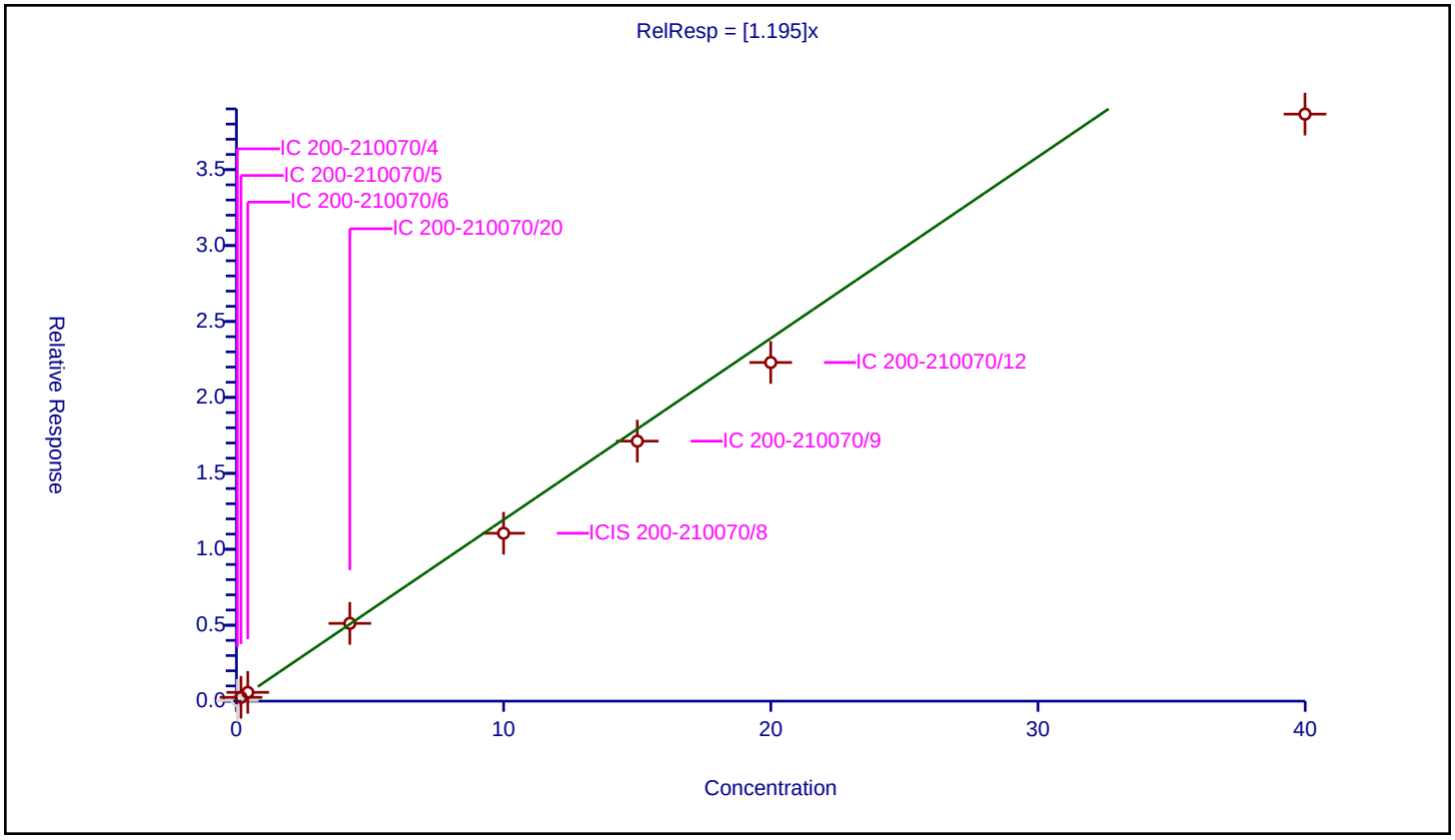
Curve Coefficients

Intercept:	0
Slope:	1.195

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.043015	10.0	3012196.0	1.226308	N
2	IC 200-210070/5	0.170374	0.250697	10.0	2810400.0	1.471456	Y
3	IC 200-210070/6	0.425385	0.577062	10.0	2835153.0	1.356566	Y
4	IC 200-210070/20	4.243678	5.120395	10.0	3027565.0	1.206594	Y
5	ICIS 200-210070/8	9.99806	11.055301	10.0	3158152.0	1.105745	Y
6	IC 200-210070/9	15.003557	17.12108	10.0	2952996.0	1.141135	Y
7	IC 200-210070/12	19.99612	22.300669	10.0	2894723.0	1.11525	Y
8	IC 200-210070/13	39.99224	38.656104	10.0	2997821.0	0.96659	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

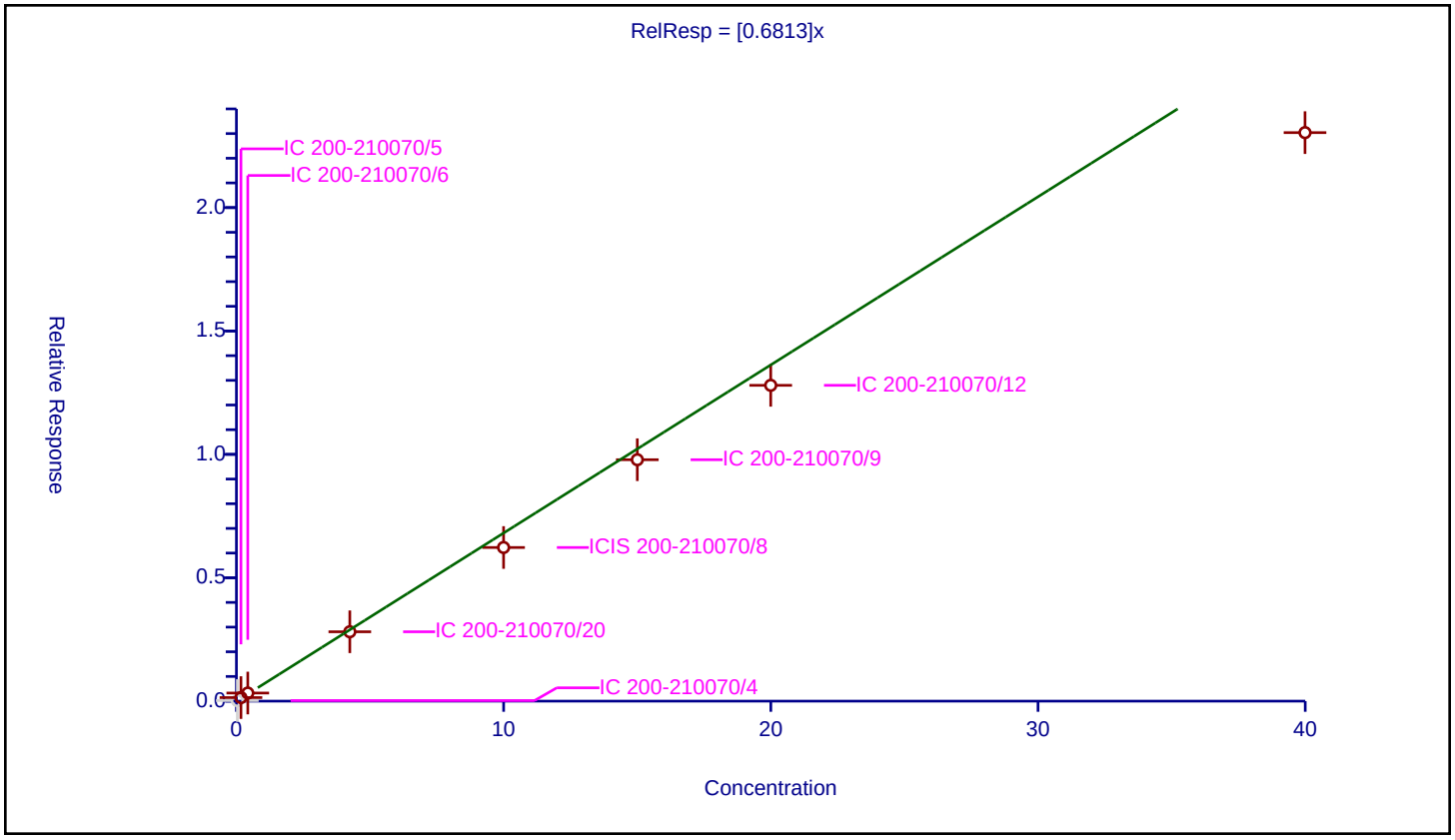
Curve Coefficients

Intercept:	0
Slope:	0.6813

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.023411	10.0	3012196.0	0.667433	N
2	IC 200-210070/5	0.170374	0.143681	10.0	2810400.0	0.843326	Y
3	IC 200-210070/6	0.425385	0.328536	10.0	2835153.0	0.772327	Y
4	IC 200-210070/20	4.243678	2.811471	10.0	3027565.0	0.662508	Y
5	ICIS 200-210070/8	9.99806	6.226277	10.0	3158152.0	0.622749	Y
6	IC 200-210070/9	15.003557	9.783112	10.0	2952996.0	0.652053	Y
7	IC 200-210070/12	19.99612	12.797691	10.0	2894723.0	0.640009	Y
8	IC 200-210070/13	39.99224	23.038674	10.0	2997821.0	0.576079	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

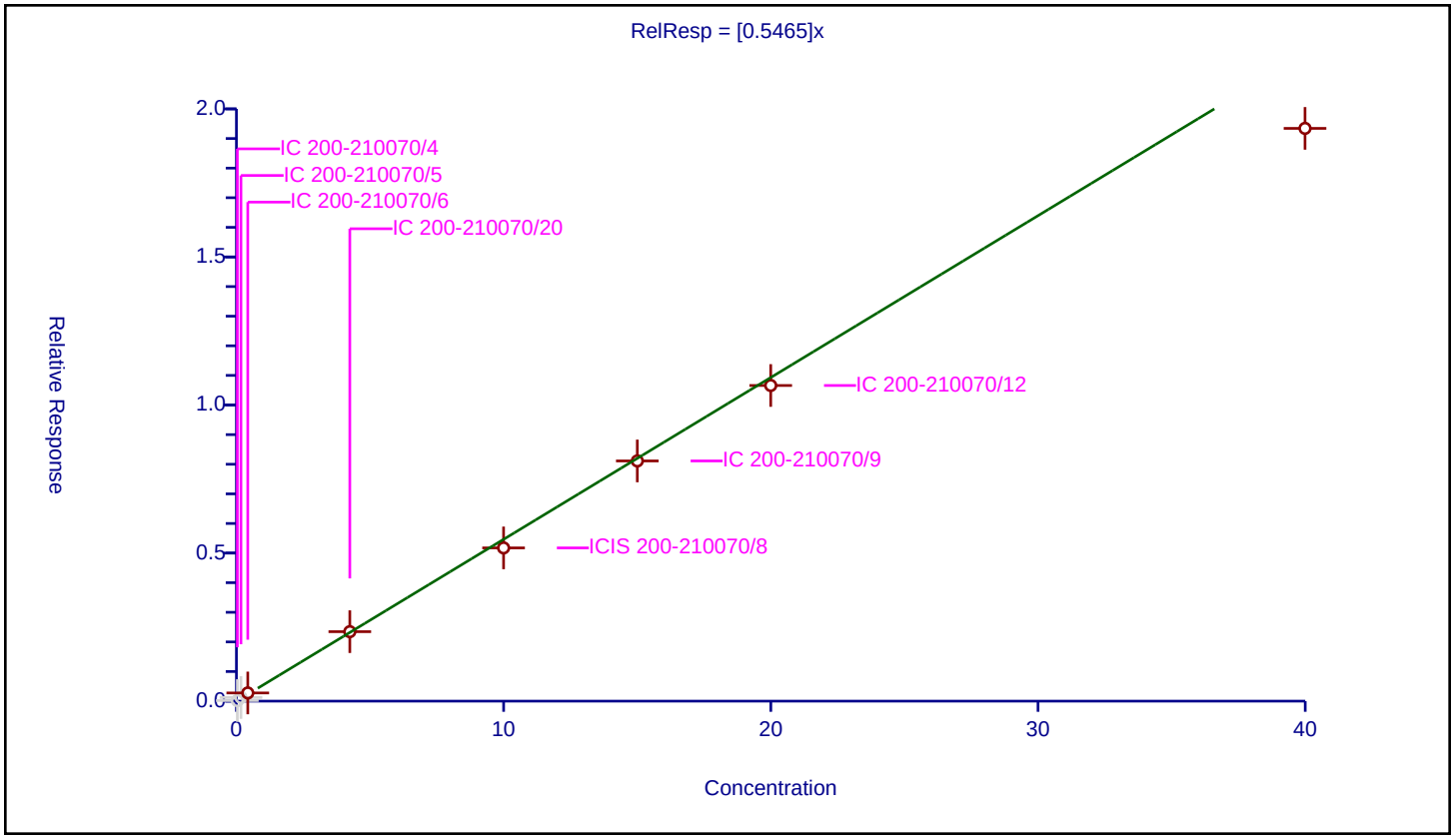
Curve Coefficients

Intercept:	0
Slope:	0.5465

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.019192	10.0	3012196.0	0.547139	N
2	IC 200-210070/5	0.170374	0.122509	10.0	2810400.0	0.719062	N
3	IC 200-210070/6	0.425385	0.276973	10.0	2835153.0	0.651111	Y
4	IC 200-210070/20	4.243678	2.345892	10.0	3027565.0	0.552797	Y
5	ICIS 200-210070/8	9.99806	5.174884	10.0	3158152.0	0.517589	Y
6	IC 200-210070/9	15.003557	8.111674	10.0	2952996.0	0.54065	Y
7	IC 200-210070/12	19.99612	10.659075	10.0	2894723.0	0.533057	Y
8	IC 200-210070/13	39.99224	19.341915	10.0	2997821.0	0.483642	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

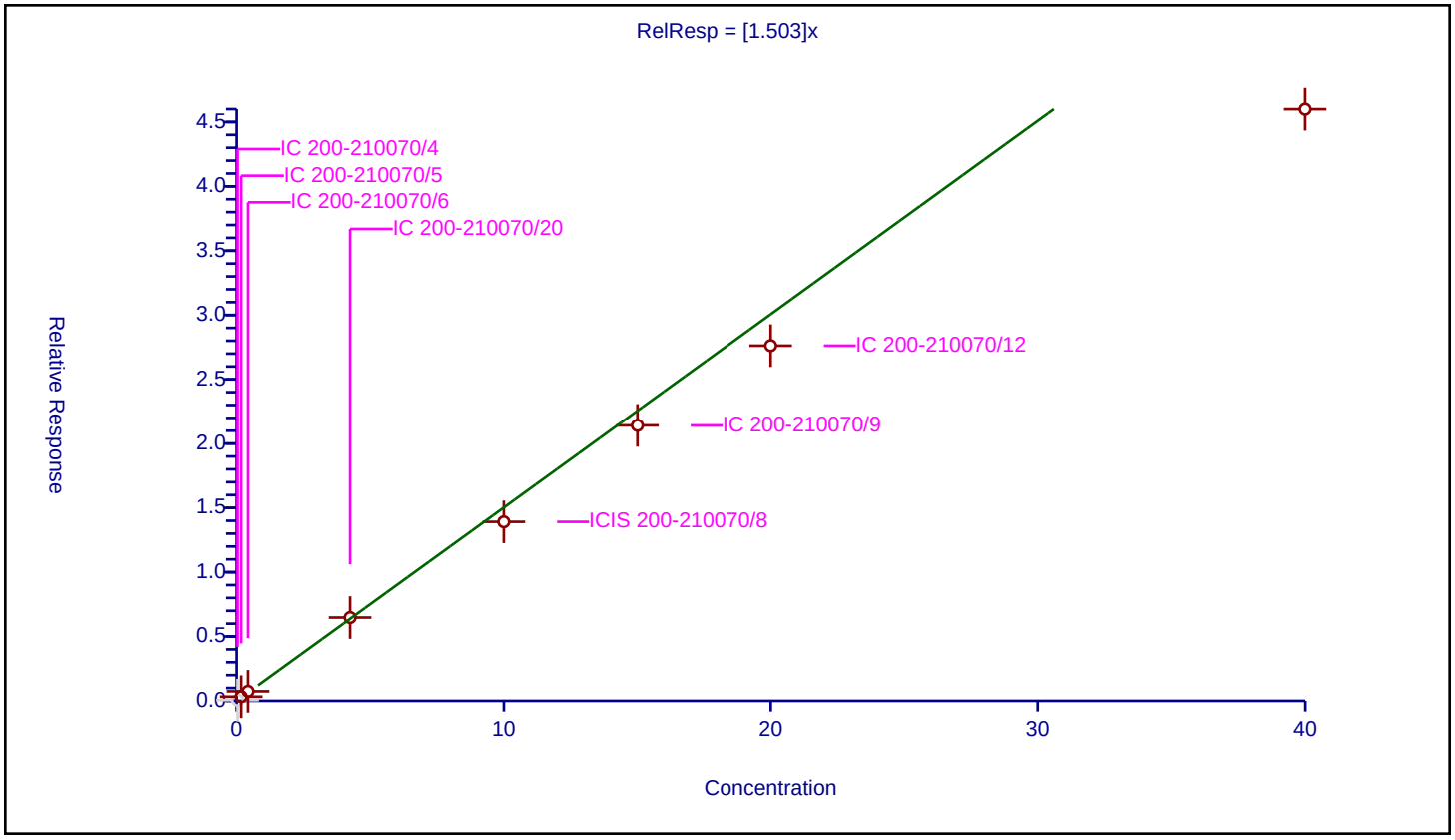
Curve Coefficients

Intercept:	0
Slope:	1.503

Error Coefficients

Relative Standard Deviation:	16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.054396	10.0	3012196.0	1.550749	N
2	IC 200-210070/5	0.170374	0.324231	10.0	2810400.0	1.90306	Y
3	IC 200-210070/6	0.425385	0.741075	10.0	2835153.0	1.742128	Y
4	IC 200-210070/20	4.243678	6.476644	10.0	3027565.0	1.526186	Y
5	ICIS 200-210070/8	9.99806	13.917015	10.0	3158152.0	1.391972	Y
6	IC 200-210070/9	15.003557	21.4154	10.0	2952996.0	1.427355	Y
7	IC 200-210070/12	19.99612	27.617192	10.0	2894723.0	1.381128	Y
8	IC 200-210070/13	39.99224	45.993763	10.0	2997821.0	1.150067	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

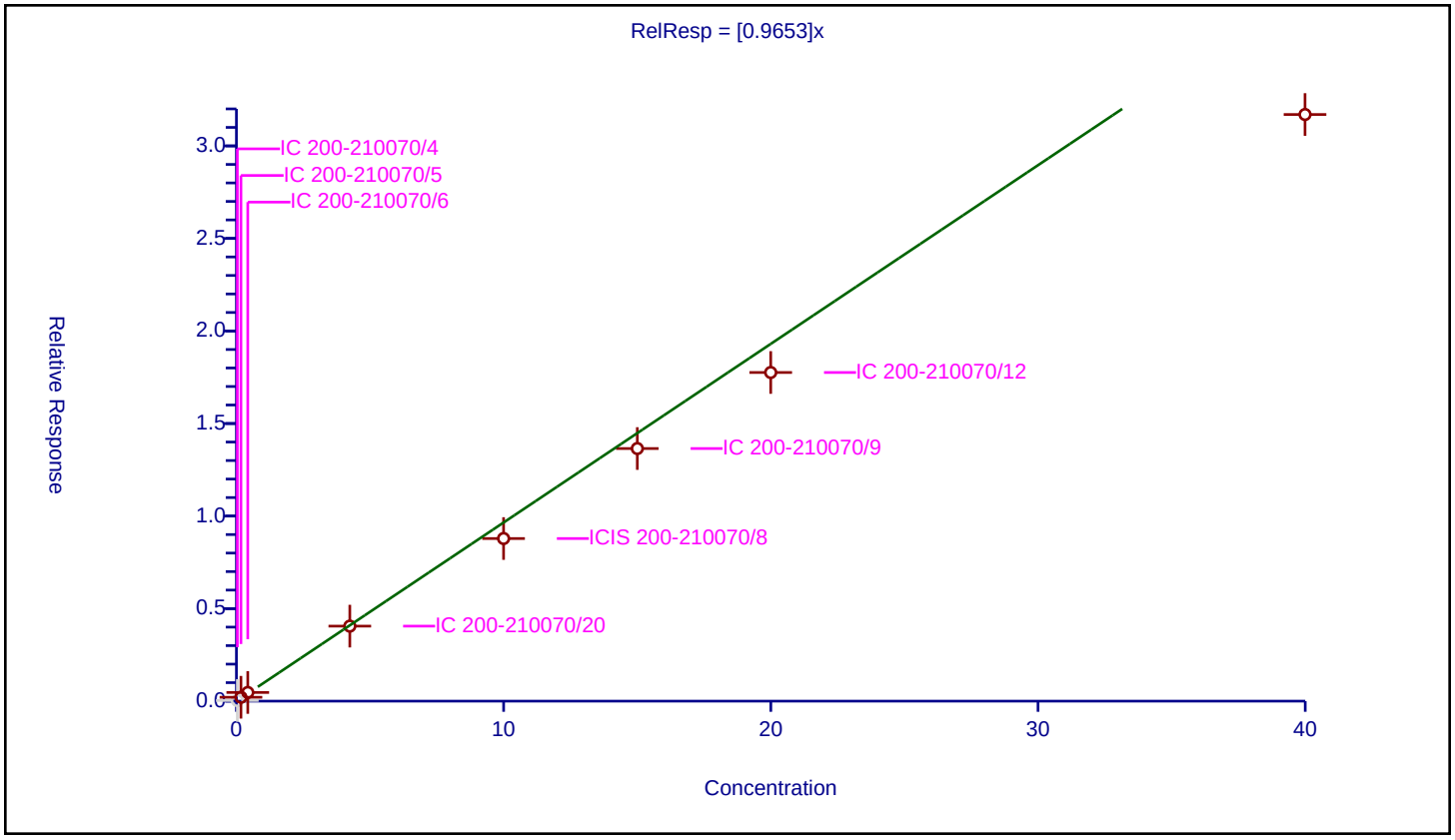
Curve Coefficients

Intercept:	0
Slope:	0.9653

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.034397	10.0	3012196.0	0.980611	N
2	IC 200-210070/5	0.170374	0.2096	10.0	2810400.0	1.230237	Y
3	IC 200-210070/6	0.425385	0.468895	10.0	2835153.0	1.102285	Y
4	IC 200-210070/20	4.243678	4.05334	10.0	3027565.0	0.955148	Y
5	ICIS 200-210070/8	9.99806	8.786398	10.0	3158152.0	0.87881	Y
6	IC 200-210070/9	15.003557	13.648722	10.0	2952996.0	0.909699	Y
7	IC 200-210070/12	19.99612	17.757098	10.0	2894723.0	0.888027	Y
8	IC 200-210070/13	39.99224	31.696322	10.0	2997821.0	0.792562	Y



Calibration / 4-Ethyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

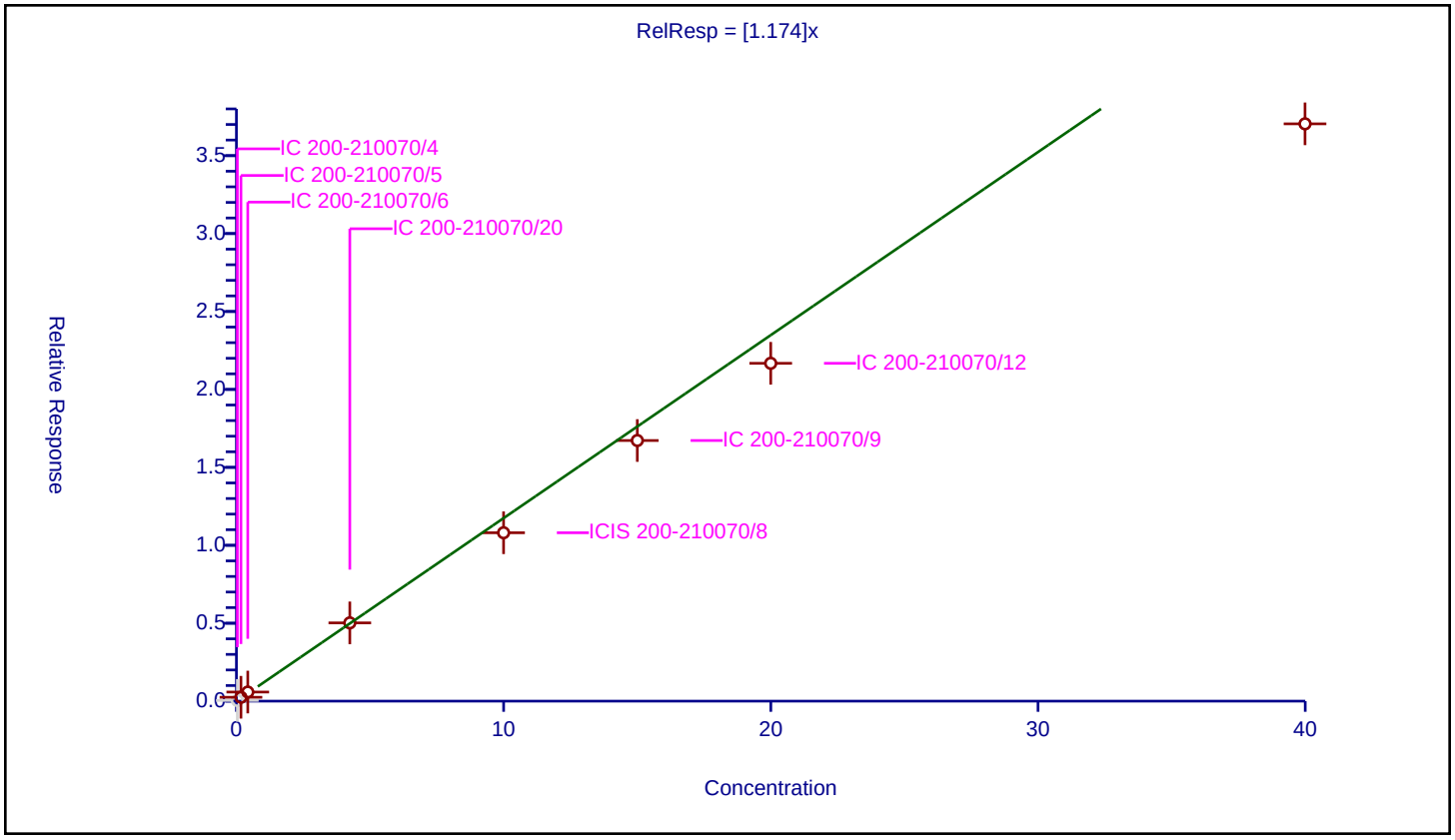
Curve Coefficients

Intercept:	0
Slope:	1.174

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.042836	10.0	3012196.0	1.221197	N
2	IC 200-210070/5	0.170374	0.248548	10.0	2810400.0	1.458842	Y
3	IC 200-210070/6	0.425385	0.583891	10.0	2835153.0	1.372618	Y
4	IC 200-210070/20	4.243678	5.02193	10.0	3027565.0	1.183391	Y
5	ICIS 200-210070/8	9.99806	10.803821	10.0	3158152.0	1.080592	Y
6	IC 200-210070/9	15.003557	16.723233	10.0	2952996.0	1.114618	Y
7	IC 200-210070/12	19.99612	21.676813	10.0	2894723.0	1.084051	Y
8	IC 200-210070/13	39.99224	37.041671	10.0	2997821.0	0.926221	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

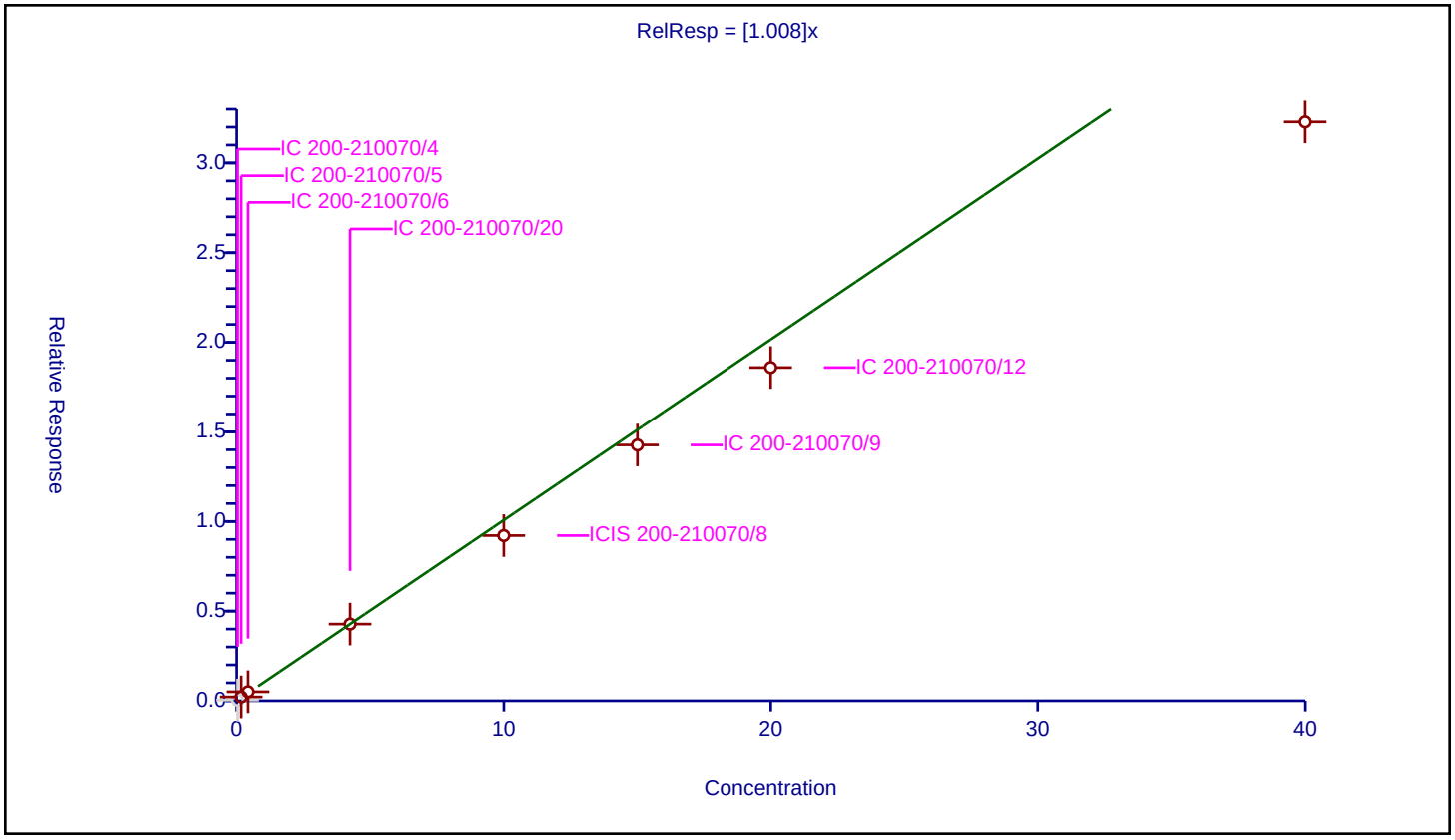
Curve Coefficients

Intercept:	0
Slope:	1.008

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.037899	10.0	3012196.0	1.080461	N
2	IC 200-210070/5	0.170374	0.213838	10.0	2810400.0	1.255111	Y
3	IC 200-210070/6	0.425385	0.502855	10.0	2835153.0	1.182117	Y
4	IC 200-210070/20	4.243678	4.277299	10.0	3027565.0	1.007922	Y
5	ICIS 200-210070/8	9.99806	9.215614	10.0	3158152.0	0.92174	Y
6	IC 200-210070/9	15.003557	14.268509	10.0	2952996.0	0.951008	Y
7	IC 200-210070/12	19.99612	18.592836	10.0	2894723.0	0.929822	Y
8	IC 200-210070/13	39.99224	32.291014	10.0	2997821.0	0.807432	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

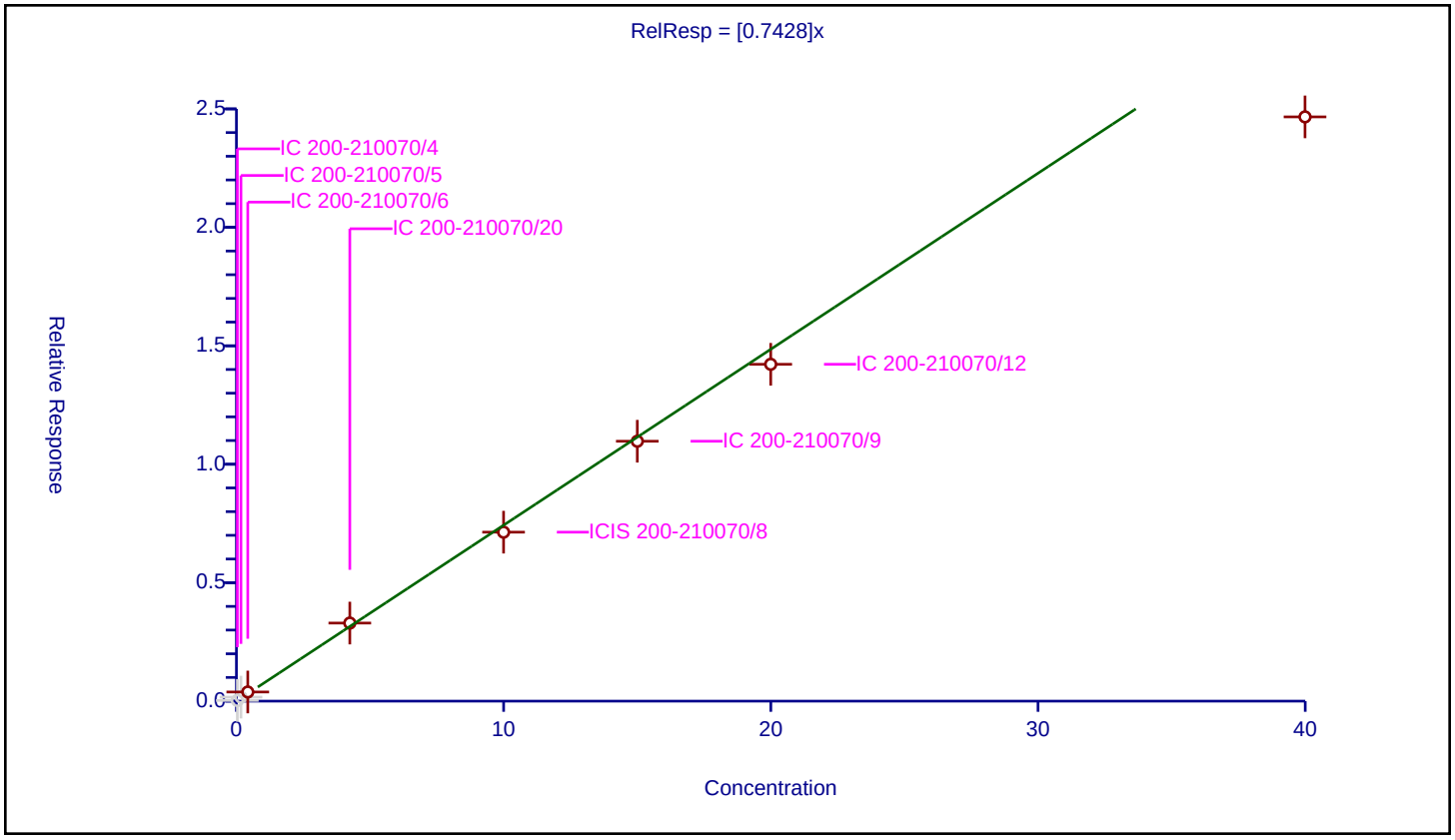
Curve Coefficients

Intercept:	0
Slope:	0.7428

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.028169	10.0	3012196.0	0.803058	N
2	IC 200-210070/5	0.170374	0.168947	10.0	2810400.0	0.991629	N
3	IC 200-210070/6	0.425385	0.386007	10.0	2835153.0	0.907431	Y
4	IC 200-210070/20	4.243678	3.296154	10.0	3027565.0	0.776721	Y
5	ICIS 200-210070/8	9.99806	7.132655	10.0	3158152.0	0.713404	Y
6	IC 200-210070/9	15.003557	10.971068	10.0	2952996.0	0.731231	Y
7	IC 200-210070/12	19.99612	14.219713	10.0	2894723.0	0.711124	Y
8	IC 200-210070/13	39.99224	24.662233	10.0	2997821.0	0.616675	Y



Calibration / Alpha Methyl Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

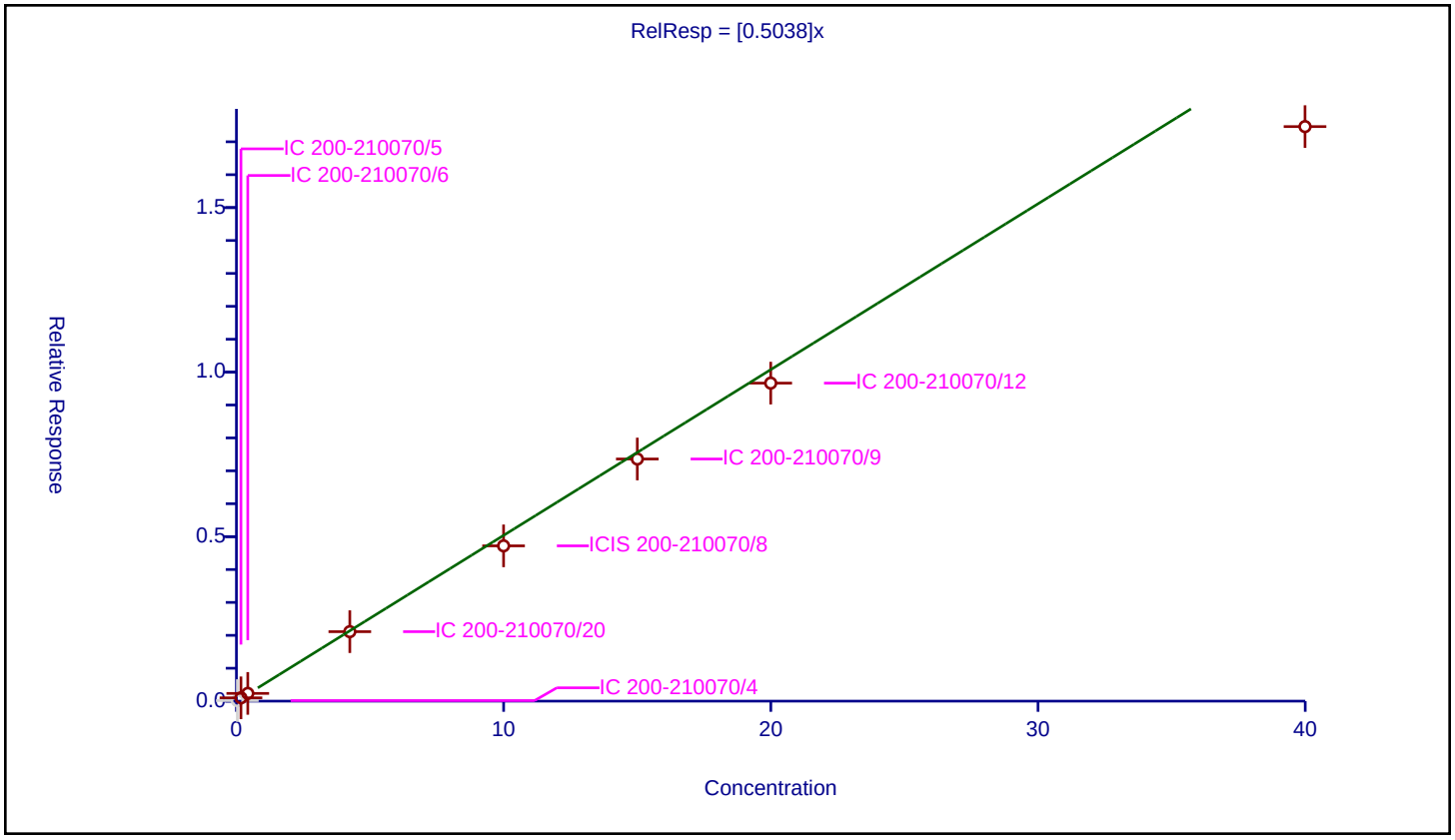
Curve Coefficients

Intercept:	0
Slope:	0.5038

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.016895	10.0	3012196.0	0.481645	N
2	IC 200-210070/5	0.170374	0.101085	10.0	2810400.0	0.593315	Y
3	IC 200-210070/6	0.425385	0.235412	10.0	2835153.0	0.55341	Y
4	IC 200-210070/20	4.243678	2.111548	10.0	3027565.0	0.497575	Y
5	ICIS 200-210070/8	9.99806	4.719994	10.0	3158152.0	0.472091	Y
6	IC 200-210070/9	15.003557	7.359505	10.0	2952996.0	0.490517	Y
7	IC 200-210070/12	19.99612	9.665975	10.0	2894723.0	0.483393	Y
8	IC 200-210070/13	39.99224	17.461736	10.0	2997821.0	0.436628	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

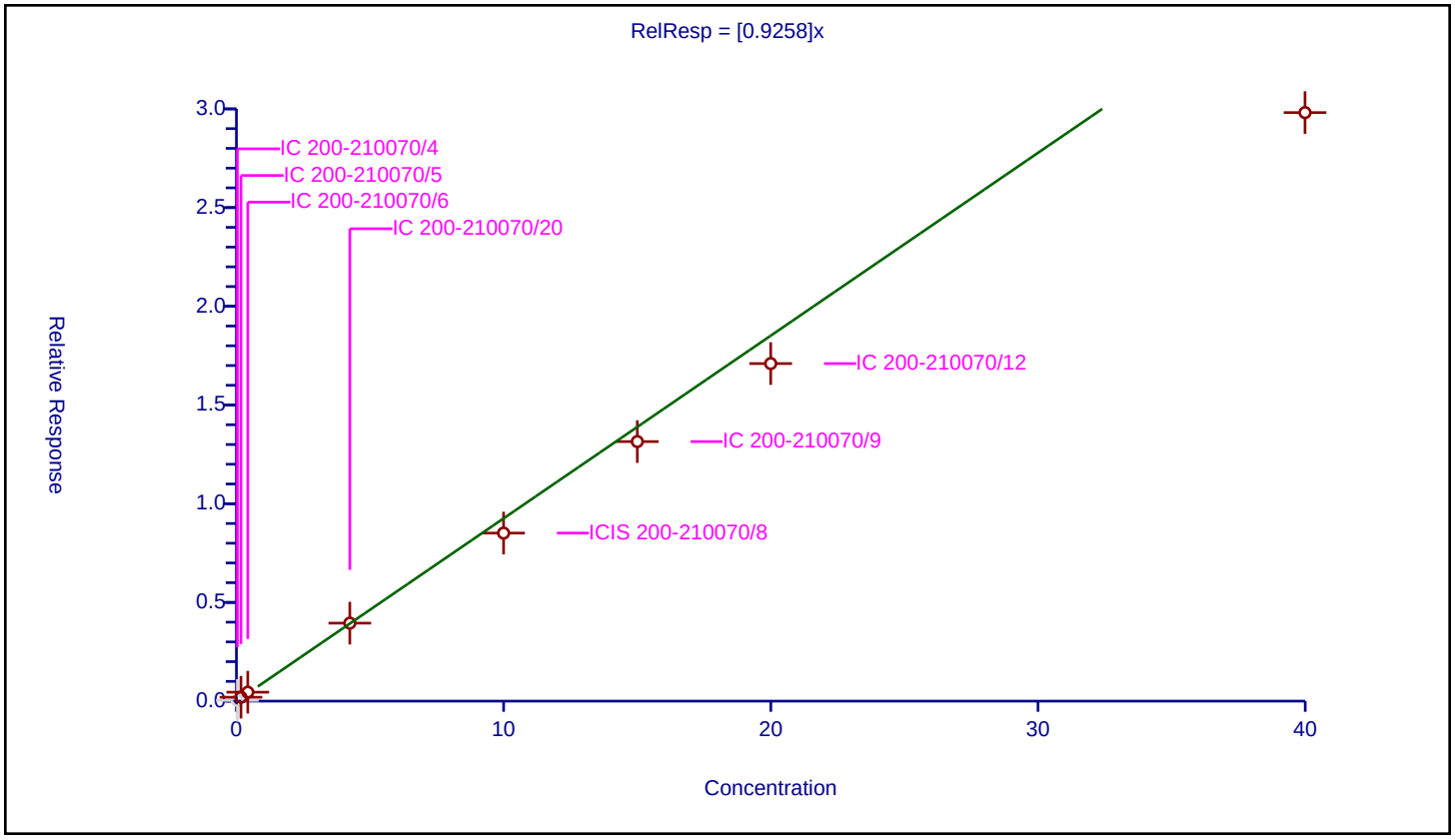
Curve Coefficients

Intercept:	0
Slope:	0.9258

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.035502	10.0	3012196.0	1.012128	N
2	IC 200-210070/5	0.170374	0.197438	10.0	2810400.0	1.158853	Y
3	IC 200-210070/6	0.425385	0.452004	10.0	2835153.0	1.062577	Y
4	IC 200-210070/20	4.243678	3.950389	10.0	3027565.0	0.930888	Y
5	ICIS 200-210070/8	9.99806	8.512374	10.0	3158152.0	0.851403	Y
6	IC 200-210070/9	15.003557	13.147773	10.0	2952996.0	0.87631	Y
7	IC 200-210070/12	19.99612	17.099526	10.0	2894723.0	0.855142	Y
8	IC 200-210070/13	39.99224	29.812074	10.0	2997821.0	0.745446	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

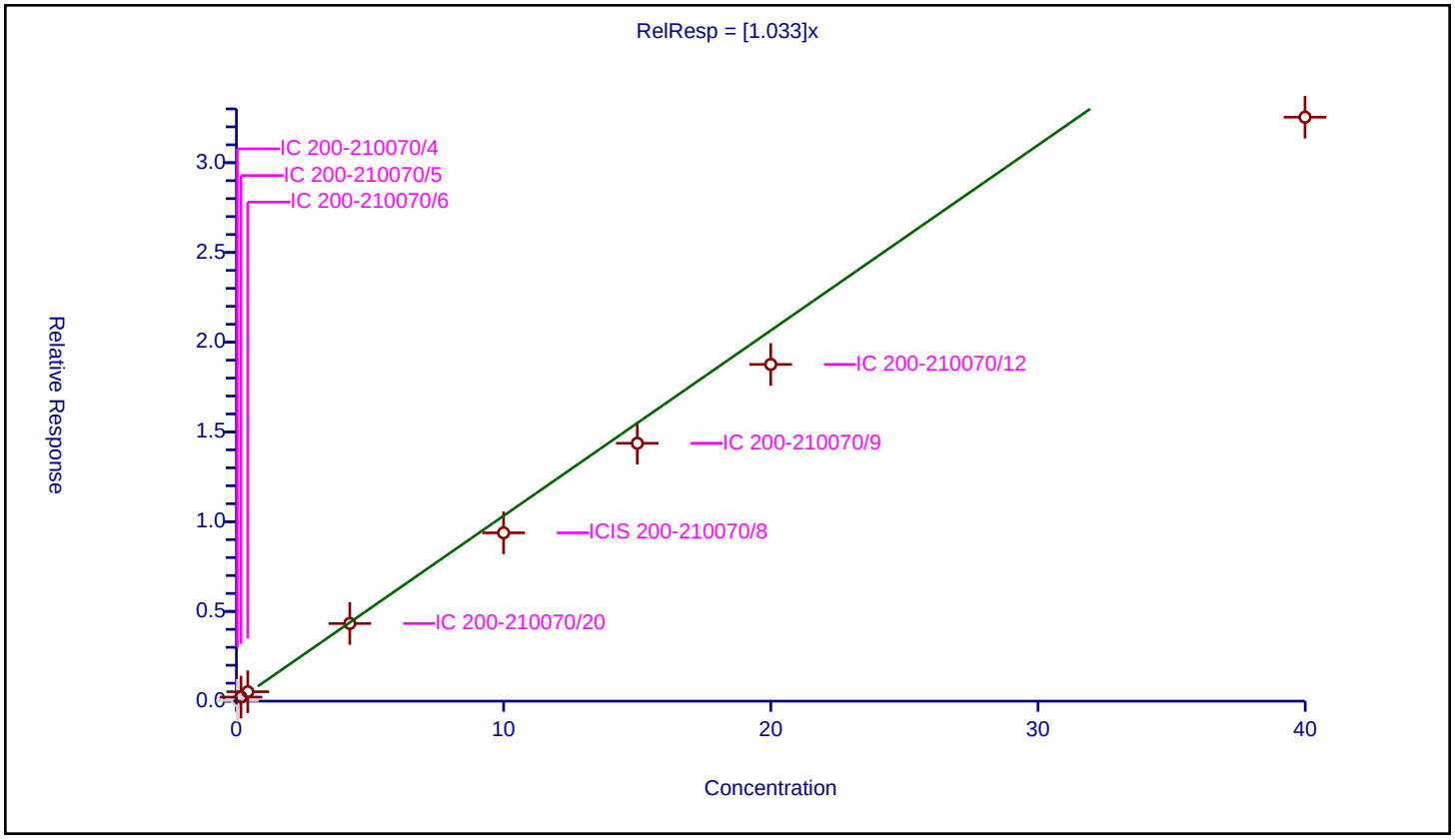
Curve Coefficients

Intercept:	0
Slope:	1.033

Error Coefficients

Relative Standard Deviation:	17.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.038457	10.0	3012196.0	1.096361	N
2	IC 200-210070/5	0.170374	0.22626	10.0	2810400.0	1.328019	Y
3	IC 200-210070/6	0.425385	0.524984	10.0	2835153.0	1.234139	Y
4	IC 200-210070/20	4.243678	4.326827	10.0	3027565.0	1.019594	Y
5	ICIS 200-210070/8	9.99806	9.378146	10.0	3158152.0	0.937997	Y
6	IC 200-210070/9	15.003557	14.369383	10.0	2952996.0	0.957732	Y
7	IC 200-210070/12	19.99612	18.762002	10.0	2894723.0	0.938282	Y
8	IC 200-210070/13	39.99224	32.536476	10.0	2997821.0	0.81357	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

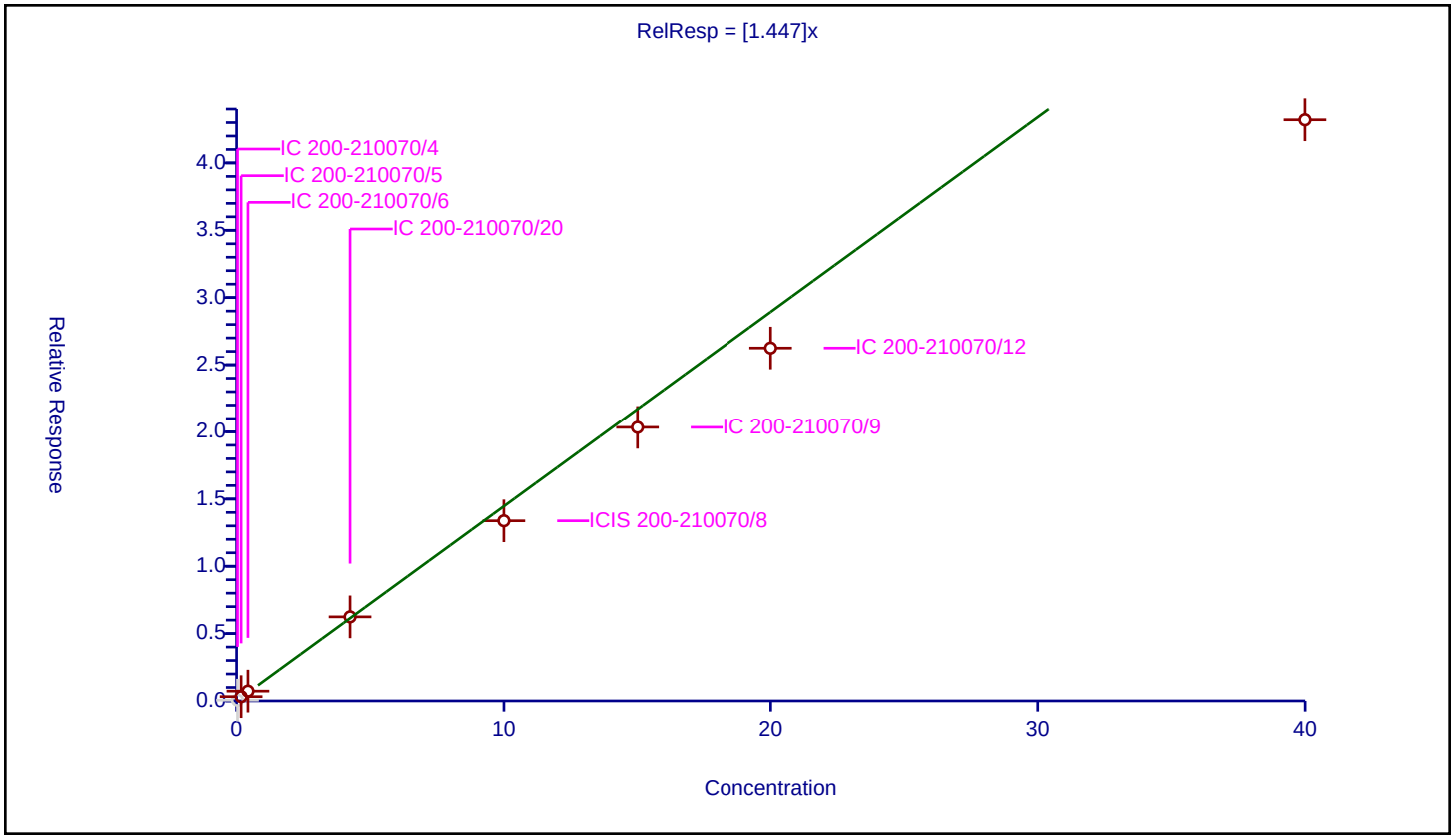
Curve Coefficients

Intercept:	0
Slope:	1.447

Error Coefficients

Relative Standard Deviation:	18.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.054595	10.0	3012196.0	1.556428	N
2	IC 200-210070/5	0.170374	0.316642	10.0	2810400.0	1.858513	Y
3	IC 200-210070/6	0.425385	0.727865	10.0	2835153.0	1.711076	Y
4	IC 200-210070/20	4.243678	6.241197	10.0	3027565.0	1.470705	Y
5	ICIS 200-210070/8	9.99806	13.379454	10.0	3158152.0	1.338205	Y
6	IC 200-210070/9	15.003557	20.337024	10.0	2952996.0	1.35548	Y
7	IC 200-210070/12	19.99612	26.245845	10.0	2894723.0	1.312547	Y
8	IC 200-210070/13	39.99224	43.20742	10.0	2997821.0	1.080395	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

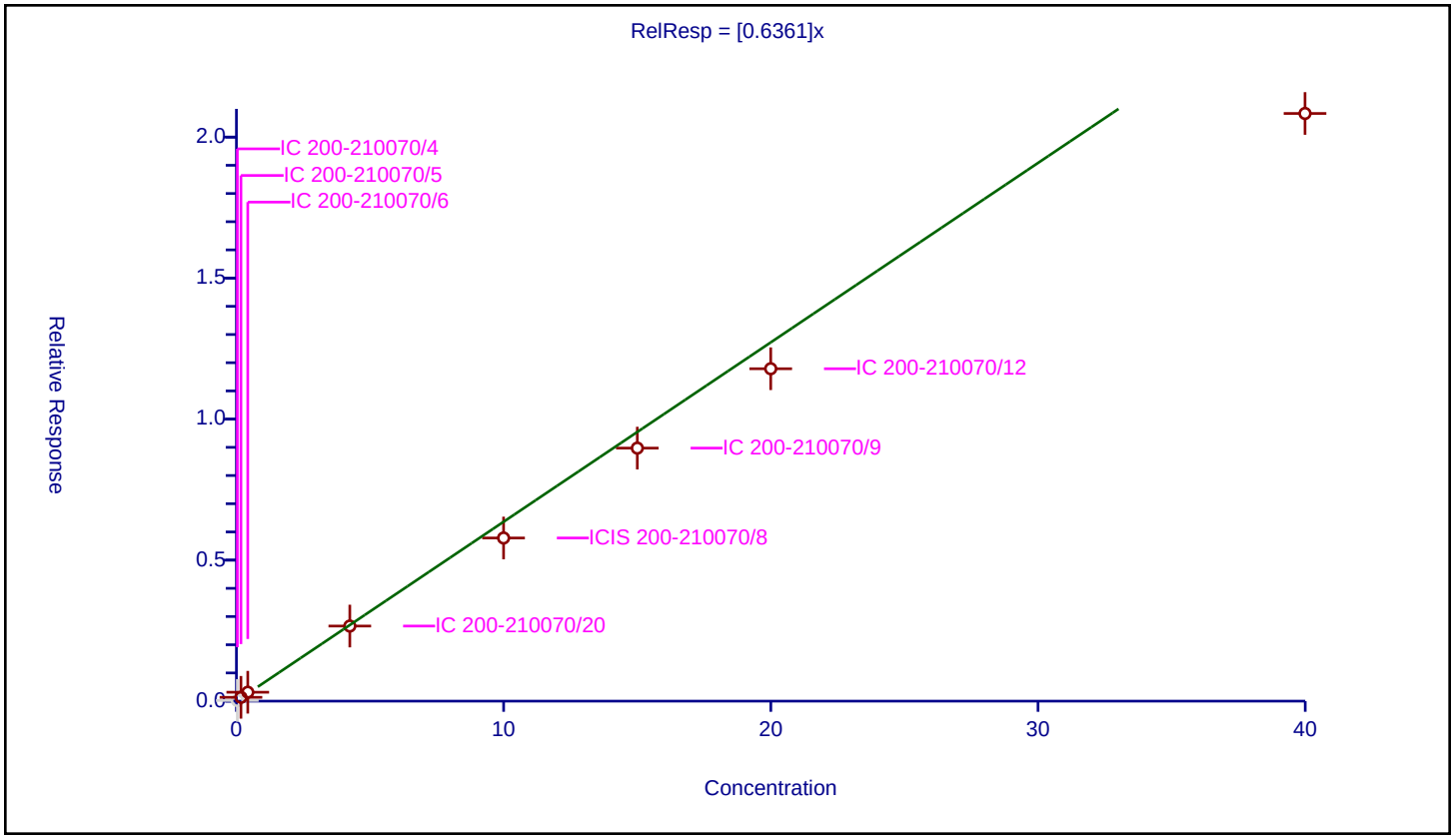
Curve Coefficients

Intercept:	0
Slope:	0.6361

Error Coefficients

Relative Standard Deviation:	15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.02292	10.0	3012196.0	0.653425	N
2	IC 200-210070/5	0.170374	0.135547	10.0	2810400.0	0.795584	Y
3	IC 200-210070/6	0.425385	0.315919	10.0	2835153.0	0.742668	Y
4	IC 200-210070/20	4.243678	2.662635	10.0	3027565.0	0.627436	Y
5	ICIS 200-210070/8	9.99806	5.784927	10.0	3158152.0	0.578605	Y
6	IC 200-210070/9	15.003557	8.971875	10.0	2952996.0	0.597983	Y
7	IC 200-210070/12	19.99612	11.786727	10.0	2894723.0	0.589451	Y
8	IC 200-210070/13	39.99224	20.837902	10.0	2997821.0	0.521049	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

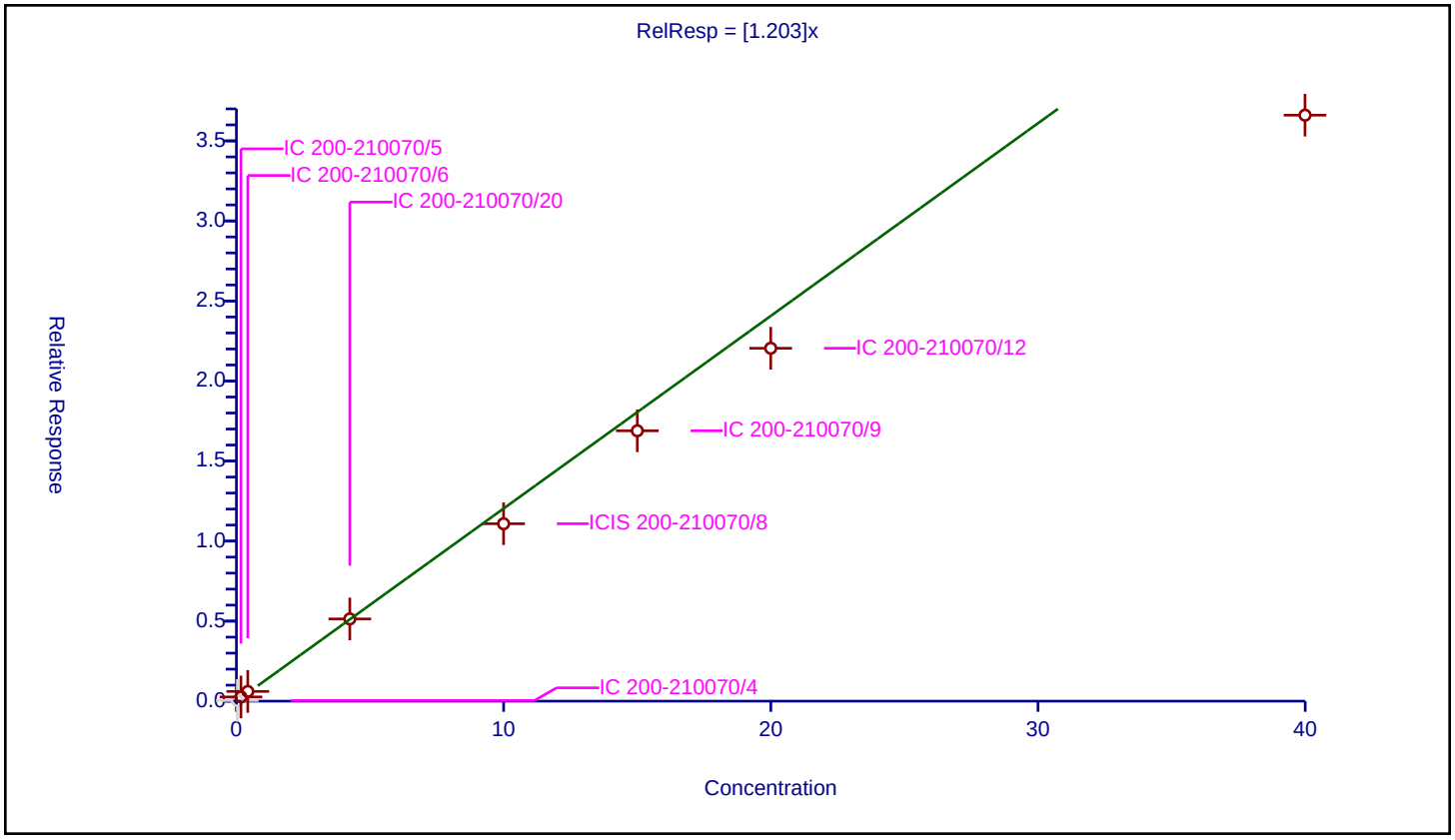
Curve Coefficients

Intercept:	0
Slope:	1.203

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.041624	10.0	3012196.0	1.186652	N
2	IC 200-210070/5	0.170374	0.262002	10.0	2810400.0	1.537807	Y
3	IC 200-210070/6	0.425385	0.605671	10.0	2835153.0	1.423819	Y
4	IC 200-210070/20	4.243678	5.136273	10.0	3027565.0	1.210335	Y
5	ICIS 200-210070/8	9.99806	11.082934	10.0	3158152.0	1.108508	Y
6	IC 200-210070/9	15.003557	16.890599	10.0	2952996.0	1.125773	Y
7	IC 200-210070/12	19.99612	22.046738	10.0	2894723.0	1.102551	Y
8	IC 200-210070/13	39.99224	36.606619	10.0	2997821.0	0.915343	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

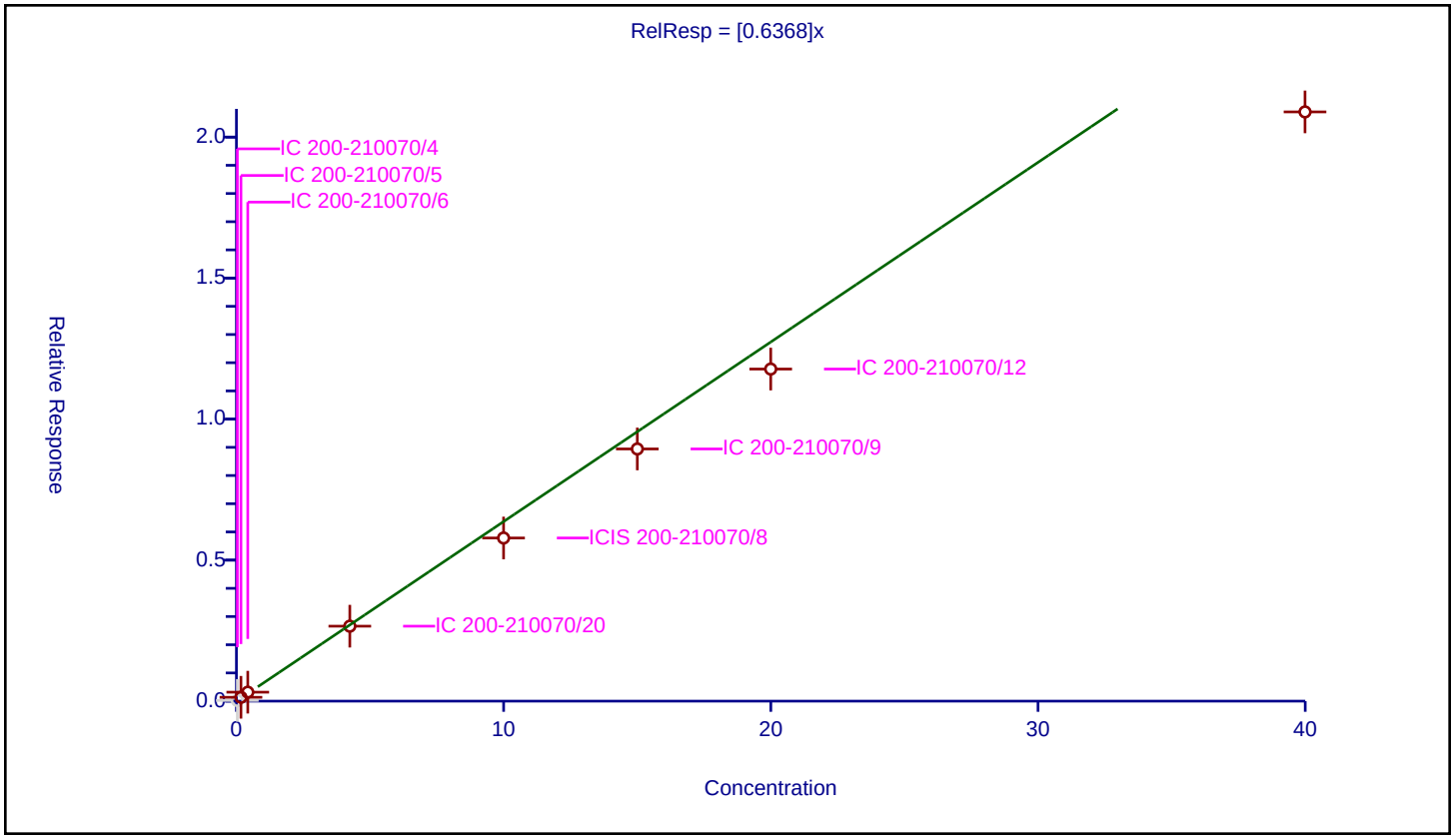
Curve Coefficients

Intercept:	0
Slope:	0.6368

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.024009	10.0	3012196.0	0.684469	N
2	IC 200-210070/5	0.170374	0.136062	10.0	2810400.0	0.798612	Y
3	IC 200-210070/6	0.425385	0.317616	10.0	2835153.0	0.746656	Y
4	IC 200-210070/20	4.243678	2.657829	10.0	3027565.0	0.626303	Y
5	ICIS 200-210070/8	9.99806	5.784519	10.0	3158152.0	0.578564	Y
6	IC 200-210070/9	15.003557	8.942427	10.0	2952996.0	0.59602	Y
7	IC 200-210070/12	19.99612	11.774716	10.0	2894723.0	0.58885	Y
8	IC 200-210070/13	39.99224	20.893009	10.0	2997821.0	0.522427	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

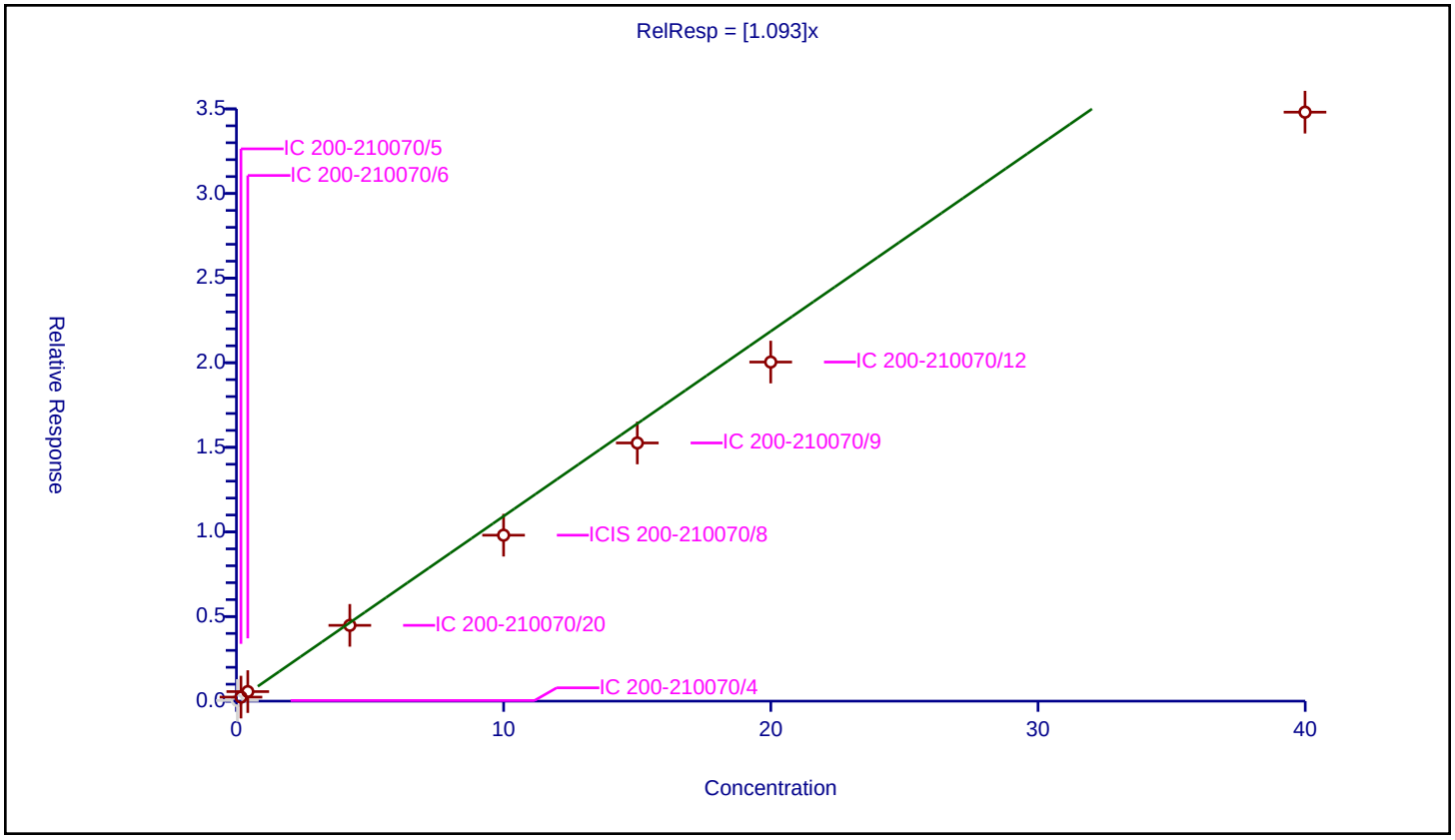
Curve Coefficients

Intercept:	0
Slope:	1.093

Error Coefficients

Relative Standard Deviation:	17.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.037966	10.0	3012196.0	1.082354	N
2	IC 200-210070/5	0.170374	0.23814	10.0	2810400.0	1.397754	Y
3	IC 200-210070/6	0.425385	0.564781	10.0	2835153.0	1.327694	Y
4	IC 200-210070/20	4.243678	4.478408	10.0	3027565.0	1.055313	Y
5	ICIS 200-210070/8	9.99806	9.806263	10.0	3158152.0	0.980817	Y
6	IC 200-210070/9	15.003557	15.257257	10.0	2952996.0	1.016909	Y
7	IC 200-210070/12	19.99612	20.038663	10.0	2894723.0	1.002128	Y
8	IC 200-210070/13	39.99224	34.806728	10.0	2997821.0	0.870337	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

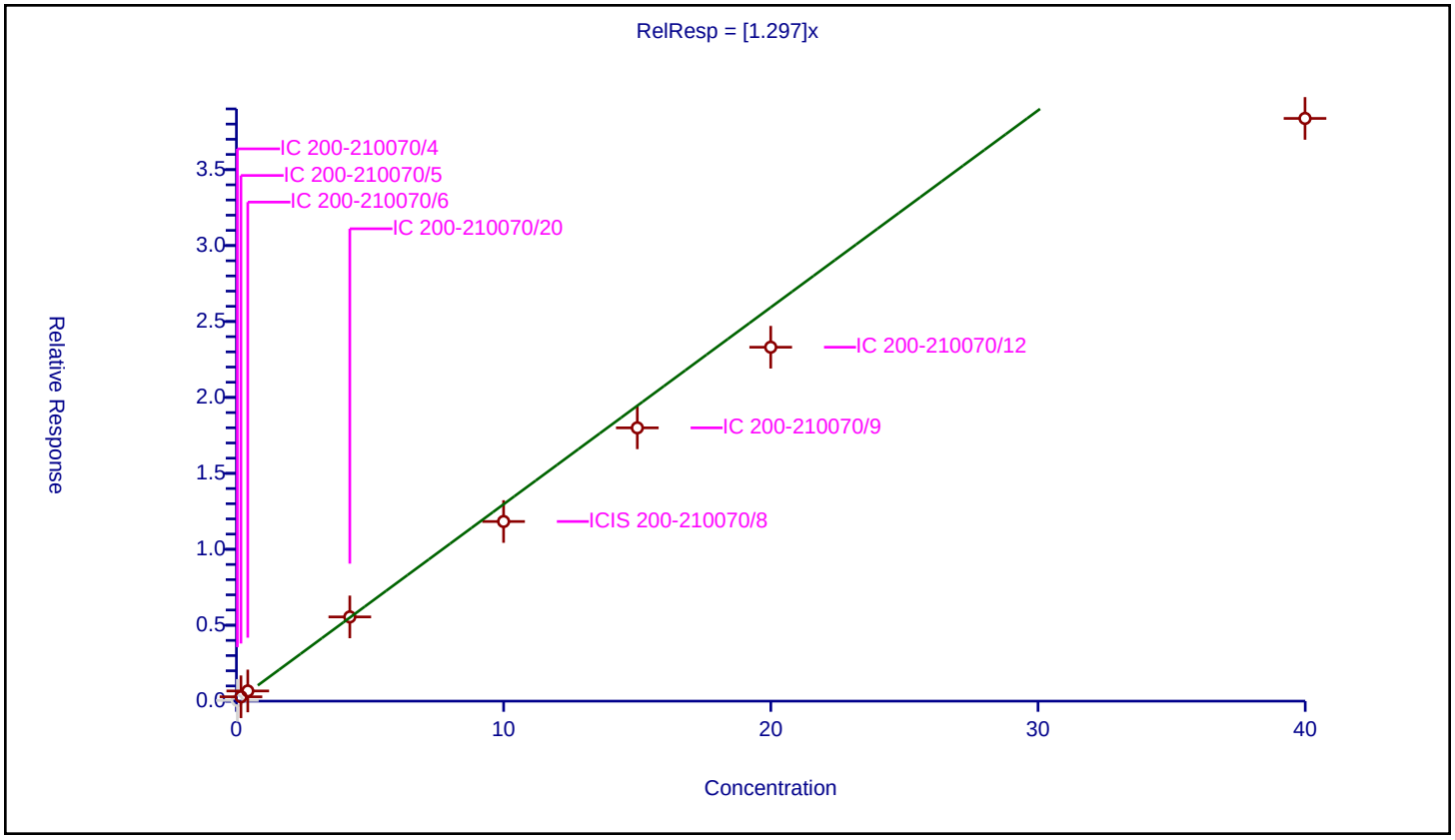
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Relative Standard Deviation:	19.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.04598	10.0	3012196.0	1.310825	N
2	IC 200-210070/5	0.170374	0.286956	10.0	2810400.0	1.684271	Y
3	IC 200-210070/6	0.425385	0.671128	10.0	2835153.0	1.577696	Y
4	IC 200-210070/20	4.243678	5.546266	10.0	3027565.0	1.306948	Y
5	ICIS 200-210070/8	9.99806	11.829557	10.0	3158152.0	1.183185	Y
6	IC 200-210070/9	15.003557	17.996492	10.0	2952996.0	1.199482	Y
7	IC 200-210070/12	19.99612	23.305529	10.0	2894723.0	1.165503	Y
8	IC 200-210070/13	39.99224	38.37135	10.0	2997821.0	0.95947	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

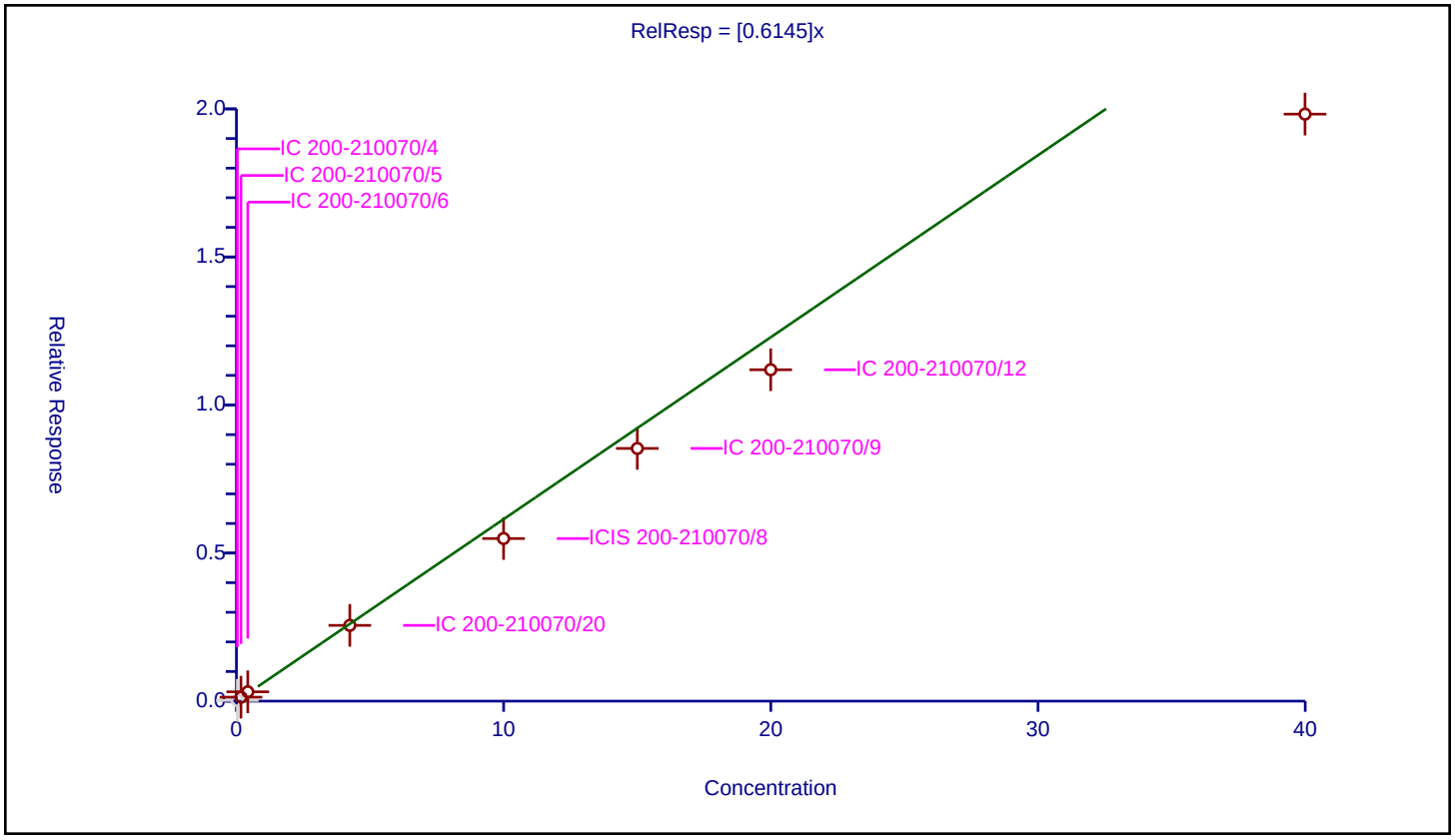
Curve Coefficients

Intercept:	0
Slope:	0.6145

Error Coefficients

Relative Standard Deviation:	17.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.023518	10.0	3012196.0	0.670461	N
2	IC 200-210070/5	0.170374	0.133725	10.0	2810400.0	0.784891	Y
3	IC 200-210070/6	0.425385	0.314942	10.0	2835153.0	0.740371	Y
4	IC 200-210070/20	4.243678	2.558366	10.0	3027565.0	0.602865	Y
5	ICIS 200-210070/8	9.99806	5.491664	10.0	3158152.0	0.549273	Y
6	IC 200-210070/9	15.003557	8.534102	10.0	2952996.0	0.568805	Y
7	IC 200-210070/12	19.99612	11.191323	10.0	2894723.0	0.559675	Y
8	IC 200-210070/13	39.99224	19.823922	10.0	2997821.0	0.495694	Y



Calibration / Undecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

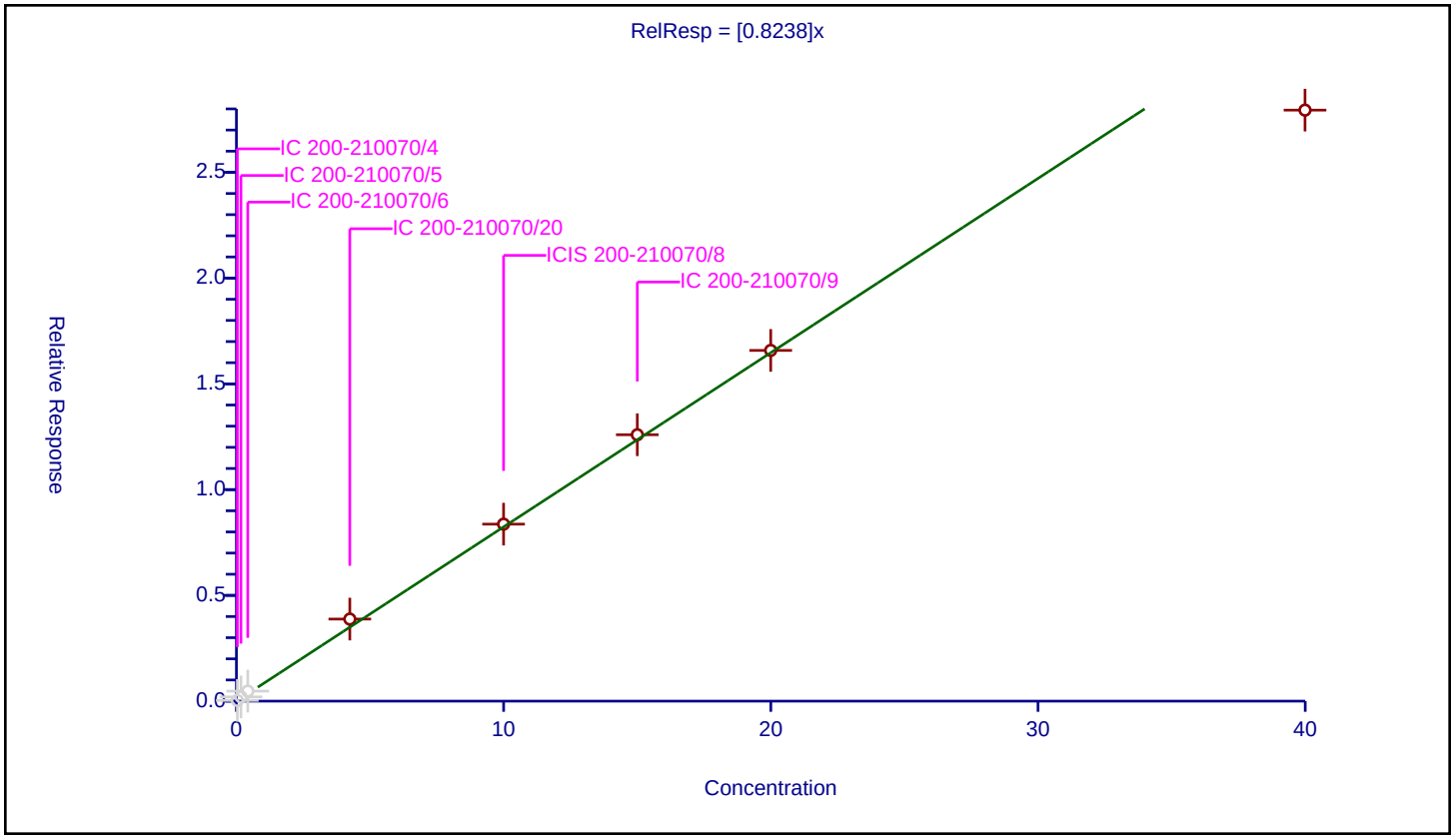
Curve Coefficients

Intercept:	0
Slope:	0.8238

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.033119	10.0	3012196.0	0.944173	N
2	IC 200-210070/5	0.170374	0.199634	10.0	2810400.0	1.171739	N
3	IC 200-210070/6	0.425385	0.474172	10.0	2835153.0	1.11469	N
4	IC 200-210070/20	4.243678	3.880181	10.0	3027565.0	0.914344	Y
5	ICIS 200-210070/8	9.99806	8.368422	10.0	3158152.0	0.837005	Y
6	IC 200-210070/9	15.003557	12.594924	10.0	2952996.0	0.839463	Y
7	IC 200-210070/12	19.99612	16.582053	10.0	2894723.0	0.829264	Y
8	IC 200-210070/13	39.99224	27.942489	10.0	2997821.0	0.698698	Y



Calibration / Dodecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

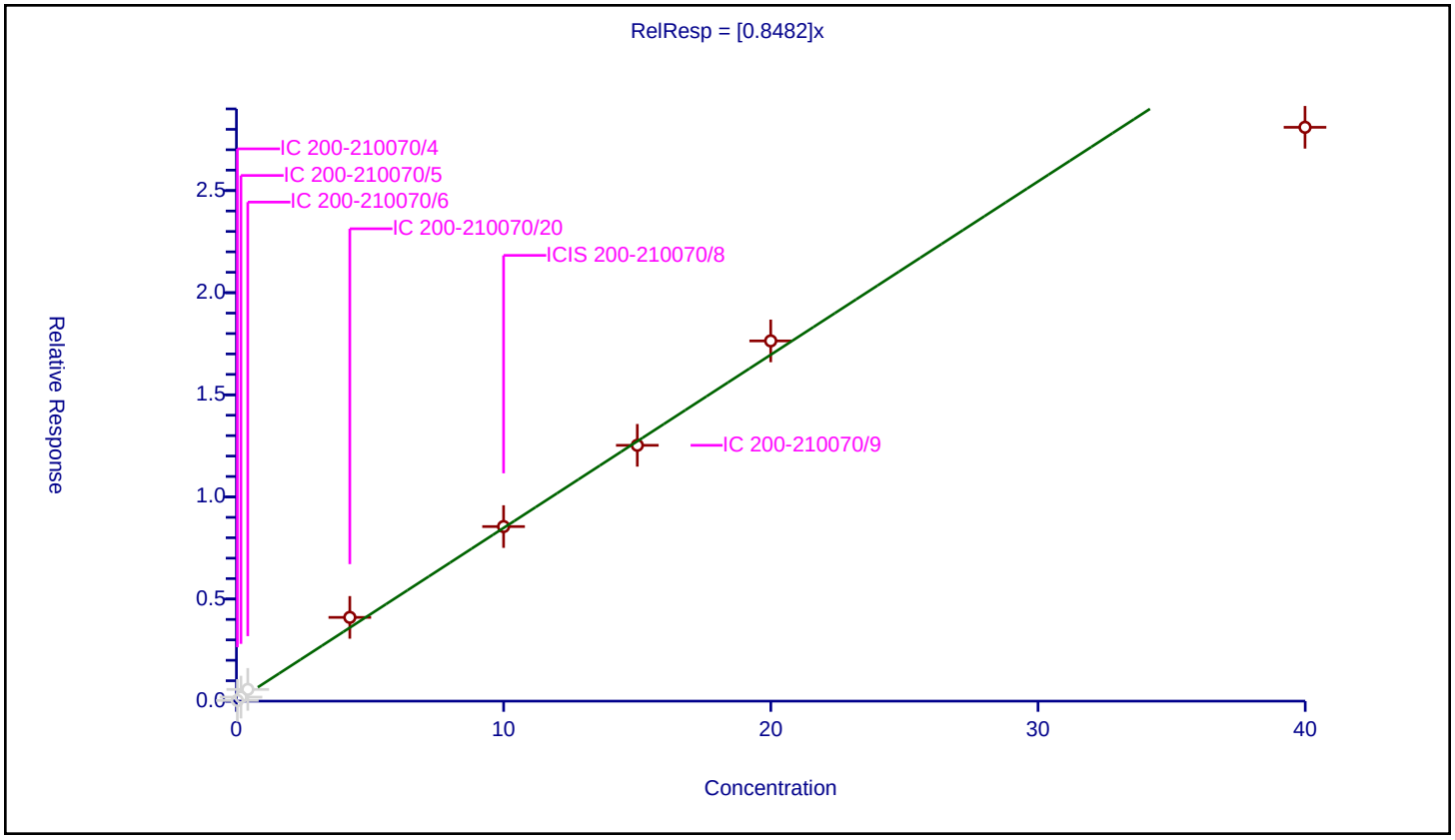
Curve Coefficients

Intercept:	0
Slope:	0.8482

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.035077	0.032096	10.0	3012196.0	0.915022	N
2	IC 200-210070/5	0.170374	0.196627	10.0	2810400.0	1.154091	N
3	IC 200-210070/6	0.425385	0.574265	10.0	2835153.0	1.349991	N
4	IC 200-210070/20	4.243678	4.100645	10.0	3027565.0	0.966295	Y
5	ICIS 200-210070/8	9.99806	8.547521	10.0	3158152.0	0.854918	Y
6	IC 200-210070/9	15.003557	12.527572	10.0	2952996.0	0.834973	Y
7	IC 200-210070/12	19.99612	17.639812	10.0	2894723.0	0.882162	Y
8	IC 200-210070/13	39.99224	28.099266	10.0	2997821.0	0.702618	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

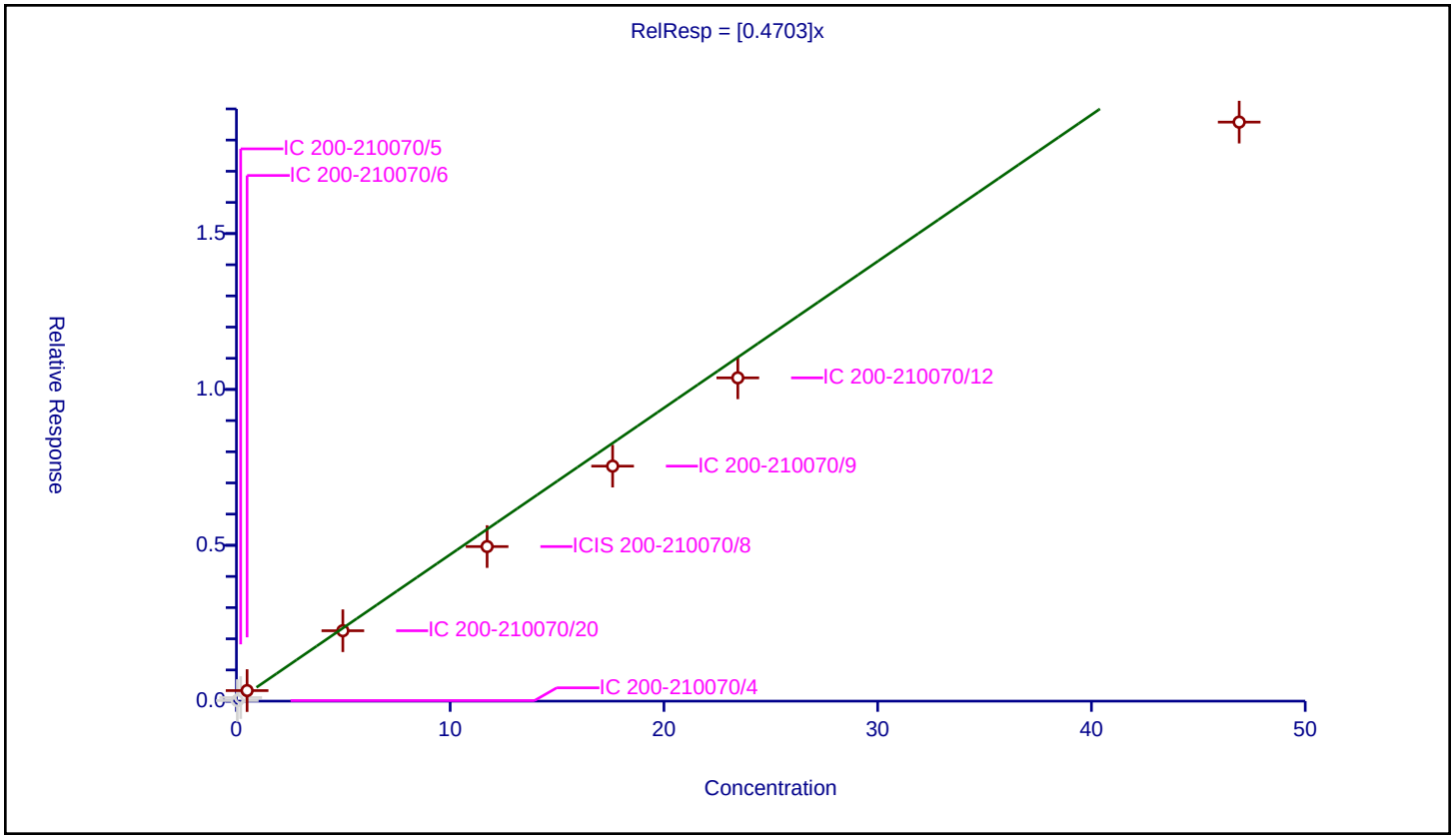
Curve Coefficients

Intercept:	0
Slope:	0.4703

Error Coefficients

Relative Standard Deviation:	22.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.041145	0.018515	10.0	3012196.0	0.449985	N
2	IC 200-210070/5	0.199848	0.113841	10.0	2810400.0	0.569639	N
3	IC 200-210070/6	0.498976	0.338673	10.0	2835153.0	0.678736	Y
4	IC 200-210070/20	4.977835	2.258445	10.0	3027565.0	0.4537	Y
5	ICIS 200-210070/8	11.727724	4.95909	10.0	3158152.0	0.422852	Y
6	IC 200-210070/9	17.599172	7.538957	10.0	2952996.0	0.42837	Y
7	IC 200-210070/12	23.455448	10.371334	10.0	2894723.0	0.442172	Y
8	IC 200-210070/13	46.910897	18.576476	10.0	2997821.0	0.395995	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

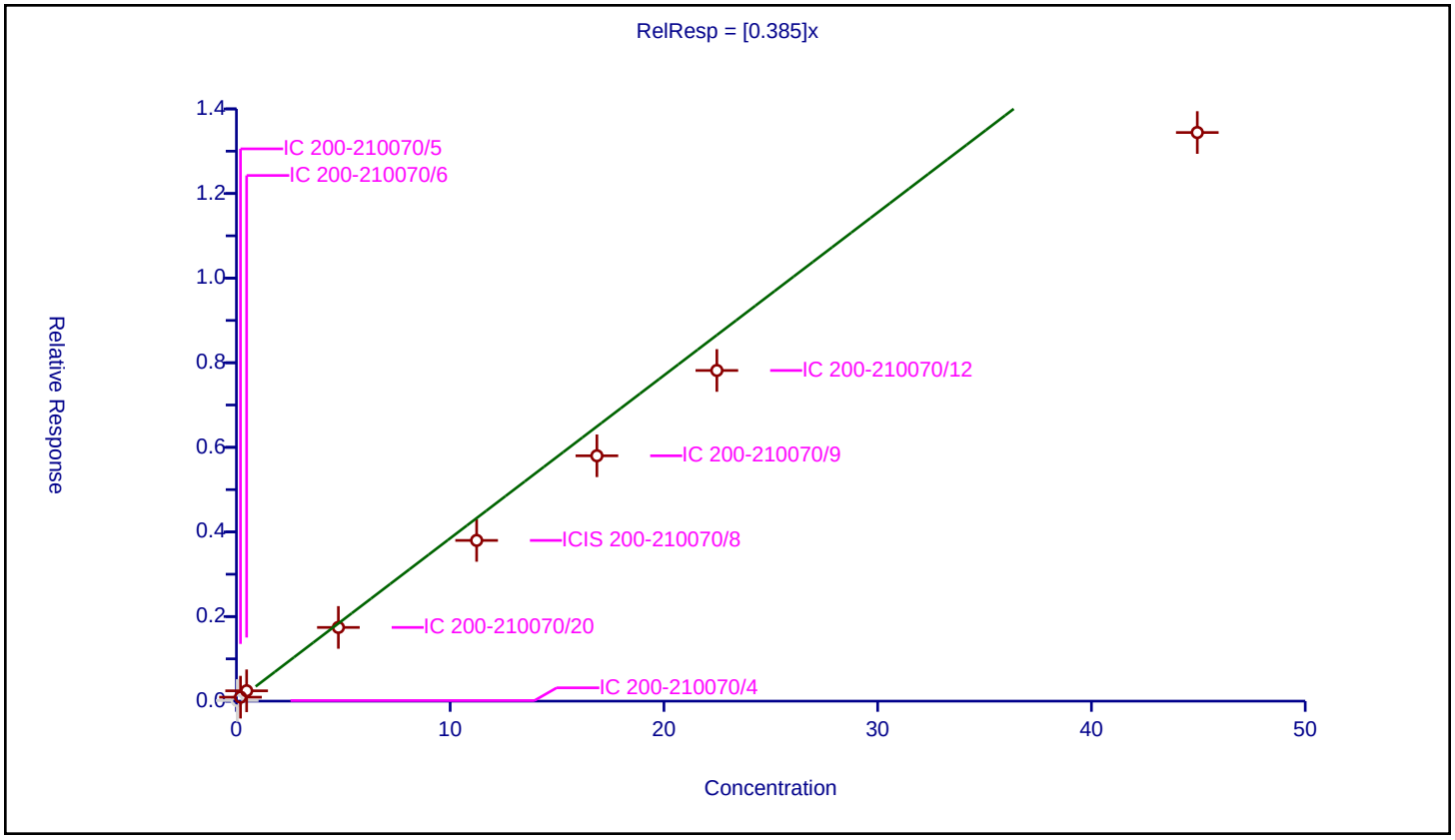
Curve Coefficients

Intercept:	0
Slope:	0.385

Error Coefficients

Relative Standard Deviation:	21.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.039426	0.014189	10.0	3012196.0	0.359885	N
2	IC 200-210070/5	0.1915	0.093666	10.0	2810400.0	0.489119	Y
3	IC 200-210070/6	0.478132	0.244675	10.0	2835153.0	0.51173	Y
4	IC 200-210070/20	4.769895	1.742526	10.0	3027565.0	0.365317	Y
5	ICIS 200-210070/8	11.237819	3.799276	10.0	3158152.0	0.338079	Y
6	IC 200-210070/9	16.863998	5.800363	10.0	2952996.0	0.343949	Y
7	IC 200-210070/12	22.475639	7.81701	10.0	2894723.0	0.347799	Y
8	IC 200-210070/13	44.951277	13.441696	10.0	2997821.0	0.299028	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

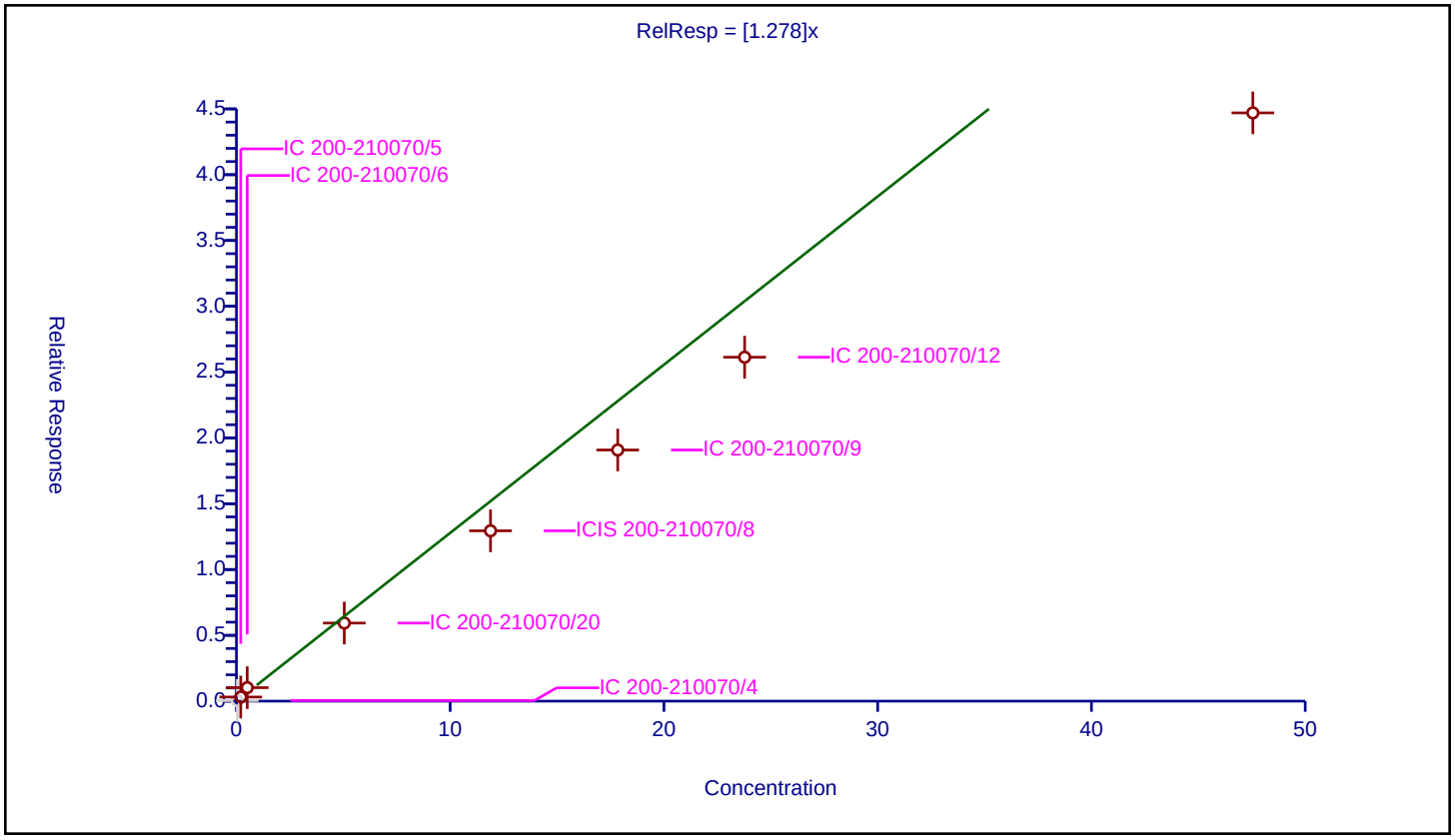
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Relative Standard Deviation:	29.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.041706	0.047889	10.0	3012196.0	1.14823	N
2	IC 200-210070/5	0.202574	0.313144	10.0	2810400.0	1.545823	Y
3	IC 200-210070/6	0.505782	1.025599	10.0	2835153.0	2.027747	Y
4	IC 200-210070/20	5.045734	5.932768	10.0	3027565.0	1.175799	Y
5	ICIS 200-210070/8	11.887693	12.943231	10.0	3158152.0	1.088792	Y
6	IC 200-210070/9	17.839229	19.082674	10.0	2952996.0	1.069703	Y
7	IC 200-210070/12	23.775386	26.132435	10.0	2894723.0	1.099138	Y
8	IC 200-210070/13	47.550773	44.695687	10.0	2997821.0	0.939957	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

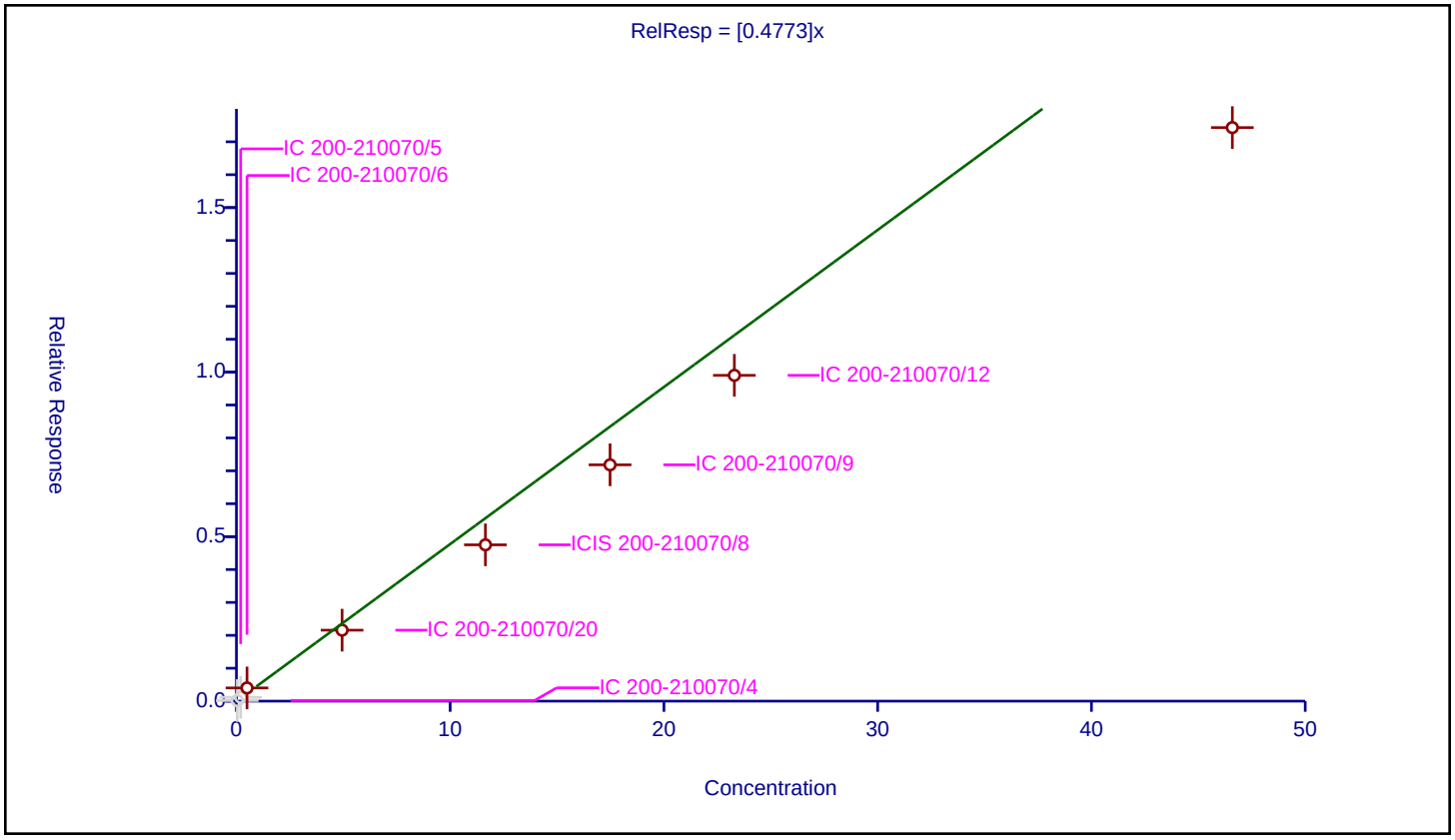
Curve Coefficients

Intercept:	0
Slope:	0.4773

Error Coefficients

Relative Standard Deviation:	34.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-210070/4	0.040865	0.018435	10.0	3012196.0	0.451125	N
2	IC 200-210070/5	0.198485	0.116731	10.0	2810400.0	0.588107	N
3	IC 200-210070/6	0.495573	0.401326	10.0	2835153.0	0.809821	Y
4	IC 200-210070/20	4.943885	2.156988	10.0	3027565.0	0.436294	Y
5	ICIS 200-210070/8	11.64774	4.750617	10.0	3158152.0	0.407857	Y
6	IC 200-210070/9	17.479144	7.181754	10.0	2952996.0	0.410876	Y
7	IC 200-210070/12	23.29548	9.901973	10.0	2894723.0	0.42506	Y
8	IC 200-210070/13	46.590959	17.432112	10.0	2997821.0	0.374152	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: ICV 200-209766/27 Calibration Date: 10/17/2024 11:38

Instrument ID: CHAM.i Calib Start Date: 10/16/2024 16:17

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/17/2024 10:36

Lab File ID: 62526_027.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5665	0.5837		10.3	10.0	3.0	30.0
Dichlorodifluoromethane	Ave	2.693	2.748		10.2	10.0	2.0	30.0
Chlorodifluoromethane	Ave	1.338	1.421		10.6	10.0	6.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.899	2.979		10.3	10.0	2.8	30.0
Chloromethane	Ave	0.7369	0.7778		10.6	10.0	5.5	30.0
n-Butane	Ave	1.611	1.711		10.6	10.0	6.2	30.0
Vinyl chloride	Ave	1.316	1.353		10.3	10.0	2.8	30.0
1,3-Butadiene	Ave	0.999	0.9919		9.93	10.0	-0.7	30.0
Bromomethane	Ave	1.116	1.153		10.3	10.0	3.2	30.0
Chloroethane	Ave	0.5642	0.5826		10.3	10.0	3.3	30.0
Isopentane	Ave	1.038	1.059		10.2	10.0	2.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.162	1.229		10.6	10.0	5.7	30.0
Trichlorofluoromethane	Ave	3.192	3.270		10.2	10.0	2.4	30.0
n-Pentane	Ave	1.609	1.647		10.2	10.0	2.4	30.0
Ethanol	Ave	0.3656	0.4264		17.5	15.0	16.6	30.0
Ethyl ether	Ave	0.7960	0.8017		10.1	10.0	0.7	30.0
Acrolein	Ave	0.4192	0.4443		10.6	10.0	6.0	30.0
1,1-Dichloroethene	Ave	1.343	1.321		9.83	10.0	-1.6	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.860	2.824		9.87	10.0	-1.3	30.0
Acetone	Ave	1.694	1.701		10.0	10.0	0.4	30.0
Isopropyl alcohol	Ave	1.675	1.870		11.2	10.0	11.7	30.0
Carbon disulfide	Ave	3.684	3.762		10.2	10.0	2.1	30.0
Acetonitrile	Ave	0.8383	0.7342		8.76	10.0	-12.4	30.0
3-Chloropropene	Ave	1.438	1.340		9.32	10.0	-6.8	30.0
Methylene Chloride	Ave	1.373	1.409		10.3	10.0	2.7	30.0
tert-Butyl alcohol	Ave	2.471	2.512		10.2	10.0	1.7	30.0
Acrylonitrile	Ave	0.8709	0.9266		10.6	10.0	6.4	30.0
trans-1,2-Dichloroethene	Ave	1.912	1.991		10.4	10.0	4.1	30.0
Methyl tert-butyl ether	Ave	3.648	3.810		10.4	10.0	4.5	30.0
n-Hexane	Ave	1.955	1.981		10.1	10.0	1.4	30.0
1,1-Dichloroethane	Ave	2.426	2.419		9.97	10.0	-0.3	30.0
Vinyl acetate	Ave	2.733	3.105		11.4	10.0	13.6	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.6619	0.6855		10.4	10.0	3.6	30.0
cis-1,2-Dichloroethene	Ave	1.541	1.495		9.70	10.0	-3.0	30.0
Ethyl acetate	Ave	0.1240	0.1279		10.3	10.0	3.1	30.0
Tetrahydrofuran	Ave	0.2862	0.2827		9.88	10.0	-1.2	30.0
Chloroform	Ave	2.949	3.009		10.2	10.0	2.0	30.0
1,1,1-Trichloroethane	Ave	0.6238	0.6440		10.3	10.0	3.2	30.0
Cyclohexane	Ave	0.3850	0.3938		10.2	10.0	2.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: ICV 200-209766/27 Calibration Date: 10/17/2024 11:38

Instrument ID: CHAM.i Calib Start Date: 10/16/2024 16:17

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/17/2024 10:36

Lab File ID: 62526_027.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.6294	0.6649		10.6	10.0	5.6	30.0
Benzene	Ave	0.9021	0.9245		10.2	10.0	2.5	30.0
1,2-Dichloroethane	Ave	0.3955	0.4072		10.3	10.0	3.0	30.0
2,2,4-Trimethylpentane	Ave	1.329	1.390		10.5	10.0	4.6	30.0
n-Heptane	Ave	0.4588	0.4743		10.3	10.0	3.4	30.0
n-Butanol	Ave	0.1915	0.1683		8.79	10.0	-12.1	30.0
Trichloroethene	Ave	0.4241	0.4346		10.2	10.0	2.5	30.0
1,2-Dichloropropane	Ave	0.3319	0.3452		10.4	10.0	4.0	30.0
Methyl methacrylate	Ave	0.3139	0.3297		10.5	10.0	5.1	30.0
1,4-Dioxane	Ave	0.1849	0.1808		9.78	10.0	-2.2	30.0
Dibromomethane	Ave	0.3913	0.4062		10.4	10.0	3.8	30.0
Bromodichloromethane	Ave	0.6698	0.6997		10.4	10.0	4.5	30.0
cis-1,3-Dichloropropene	Ave	0.5669	0.5924		10.4	10.0	4.5	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.5859	0.6404		10.9	10.0	9.3	30.0
Toluene	Ave	0.7084	0.7314		10.3	10.0	3.2	30.0
n-Octane	Ave	0.6340	0.6639		10.5	10.0	4.7	30.0
trans-1,3-Dichloropropene	Ave	0.4565	0.5212		11.4	10.0	14.2	30.0
1,1,2-Trichloroethane	Ave	0.3712	0.3895		10.5	10.0	4.9	30.0
Tetrachloroethene	Ave	0.5902	0.5988		10.1	10.0	1.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6126	0.6685		10.9	10.0	9.1	30.0
Dibromochloromethane	Ave	0.7173	0.7326		10.2	10.0	2.1	30.0
1,2-Dibromoethane	Ave	0.6833	0.7120		10.4	10.0	4.2	30.0
Chlorobenzene	Ave	0.9770	0.9933		10.2	10.0	1.7	30.0
Ethylbenzene	Ave	1.566	1.646		10.5	10.0	5.1	30.0
m,p-Xylene	Ave	0.5980	0.6236		20.9	20.0	4.3	30.0
n-Nonane	Ave	0.7203	0.7592		10.5	10.0	5.4	30.0
o-Xylene	Ave	0.5746	0.6067		10.6	10.0	5.6	30.0
Styrene	Ave	0.9419	0.995		10.6	10.0	5.6	30.0
Bromoform	Ave	0.6068	0.5764		9.50	10.0	-5.0	30.0
Cumene	Ave	1.699	1.801		10.6	10.0	6.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9733	1.006		10.3	10.0	3.3	30.0
1,2,3-Trichloropropane	Ave	0.7253	0.7686		10.6	10.0	6.0	30.0
n-Propylbenzene	Ave	2.083	2.199		10.6	10.0	5.6	30.0
2-Chlorotoluene	Ave	1.368	1.405		10.3	10.0	2.7	30.0
4-Ethyltoluene	Ave	1.675	1.779		10.6	10.0	6.2	30.0
1,3,5-Trimethylbenzene	Ave	1.419	1.513		10.7	10.0	6.7	30.0
n-Decane	Ave	0.9035	0.9765		10.8	10.0	8.1	30.0
Alpha Methyl Styrene	Ave	0.7319	0.7618		10.4	10.0	4.1	30.0
tert-Butylbenzene	Ave	1.352	1.432		10.6	10.0	5.9	30.0
1,2,4-Trimethylbenzene	Ave	1.430	1.512		10.6	10.0	5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: ICV 200-209766/27 Calibration Date: 10/17/2024 11:38

Instrument ID: CHAM.i Calib Start Date: 10/16/2024 16:17

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/17/2024 10:36

Lab File ID: 62526_027.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	2.064	2.233		10.8	10.0	8.2	30.0
1,3-Dichlorobenzene	Ave	1.022	1.019		9.97	10.0	-0.3	30.0
4-Isopropyltoluene	Ave	1.716	1.829		10.7	10.0	6.6	30.0
1,4-Dichlorobenzene	Ave	1.033	1.026		9.94	10.0	-0.6	30.0
Benzyl chloride	Ave	1.304	1.369		10.5	10.0	5.0	30.0
n-Butylbenzene	Ave	1.707	1.816		10.6	10.0	6.3	30.0
1,2-Dichlorobenzene	Ave	0.9931	0.999		10.1	10.0	0.6	30.0
n-Undecane	Ave	1.057	1.043		9.87	10.0	-1.3	30.0
n-Dodecane	Ave	0.9944	0.9038		9.09	10.0	-9.1	30.0
1,2,4-Trichlorobenzene	Ave	0.7280	0.8430		11.6	10.0	15.8	30.0
Hexachlorobutadiene	Ave	0.6608	0.7777		11.8	10.0	17.7	30.0
Naphthalene	Ave	1.513	1.740		11.5	10.0	15.0	30.0
1,2,3-Trichlorobenzene	Ave	0.7014	0.7240		10.3	10.0	3.2	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_027.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Oct-2024 11:38:49 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-027
Operator ID: vtp Instrument ID: CHAM.i
Sublist:

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Oct-2024 13:07:52 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: BKZ7 Date: 17-Oct-2024 12:32:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.289	4.294	-0.005	98	231237	10.0	10.3	
2 Dichlorodifluoromethane	85	4.390	4.396	-0.006	99	1088429	10.0	10.2	
3 Chlorodifluoromethane	51	4.438	4.444	-0.006	97	562723	10.0	10.6	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.765	4.770	-0.005	97	1180288	10.0	10.3	
5 Chloromethane	50	4.888	4.893	-0.005	99	308100	10.0	10.6	
11 BFB									
7 Butane	43	5.193	5.198	-0.005	98	677788	10.0	10.6	
6 Vinyl chloride	62	5.193	5.198	-0.005	100	535823	10.0	10.3	
8 Butadiene	54	5.310	5.316	-0.006	90	392940	10.0	9.93	
9 Bromomethane	94	6.065	6.065	0.000	99	456560	10.0	10.3	
10 Chloroethane	64	6.337	6.343	-0.006	100	230799	10.0	10.3	
12 2-Methylbutane	43	6.546	6.552	-0.006	89	419422	10.0	10.2	
13 Vinyl bromide	106	6.771	6.776	-0.005	99	486692	10.0	10.6	
14 Trichlorofluoromethane	101	6.931	6.937	-0.006	99	1295508	10.0	10.2	
15 Pentane	43	7.140	7.145	-0.005	95	652553	10.0	10.2	
16 Ethanol	45	7.338	7.343	-0.005	98	253505	15.0	17.5	
18 Ethyl ether	59	7.568	7.568	0.000	90	317569	10.0	10.1	
19 Acrolein	56	7.830	7.830	0.000	96	176019	10.0	10.6	
20 1,1-Dichloroethene	96	8.017	8.023	-0.006	98	523204	10.0	9.83	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.055	8.060	-0.005	96	1118677	10.0	9.87	
22 Acetone	43	8.114	8.114	0.000	97	673796	10.0	10.0	
23 Isopropyl alcohol	45	8.419	8.419	0.000	100	740901	10.0	11.2	
24 Carbon disulfide	76	8.424	8.429	-0.005	99	1490344	10.0	10.2	
25 Acetonitrile	41	8.638	8.643	-0.005	98	290848	10.0	8.76	
26 3-Chloro-1-propene	41	8.729	8.734	-0.005	98	530820	10.0	9.32	
27 Methylene Chloride	49	8.970	8.975	-0.005	90	558316	10.0	10.3	
28 2-Methyl-2-propanol	59	9.200	9.205	-0.005	100	994922	10.0	10.2	
29 Acrylonitrile	53	9.392	9.398	-0.006	94	367053	10.0	10.6	
30 trans-1,2-Dichloroethene	61	9.467	9.473	-0.006	98	788717	10.0	10.4	
31 Methyl tert-butyl ether	73	9.472	9.473	-0.001	97	1509419	10.0	10.4	
32 Hexane	57	9.975	9.981	-0.006	92	784927	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		20.0	20.1	
33 1,1-Dichloroethane	63	10.259	10.259	0.000	100	958115	10.0	9.97	
34 Vinyl acetate	43	10.264	10.264	0.000	100	1230030	10.0	11.4	
36 2-Butanone (MEK)	72	11.249	11.249	0.000	98	271566	10.0	10.4	
37 cis-1,2-Dichloroethene	96	11.270	11.270	0.000	91	592219	10.0	9.70	
38 Ethyl acetate	88	11.323	11.324	-0.001	99	50673	10.0	10.3	
* 39 Chlorobromomethane	128	11.687	11.687	0.000	87	396218	10.0	10.0	
40 Tetrahydrofuran	42	11.719	11.720	-0.001	89	522740	10.0	9.88	
41 Chloroform	83	11.869	11.869	0.000	96	1191822	10.0	10.2	
42 1,1,1-Trichloroethane	97	12.163	12.164	-0.001	98	1190721	10.0	10.3	
43 Cyclohexane	84	12.292	12.292	0.000	98	728136	10.0	10.2	
44 Carbon tetrachloride	117	12.436	12.442	-0.006	98	1229384	10.0	10.6	
45 Benzene	78	12.795	12.800	-0.005	96	1709438	10.0	10.2	
46 1,2-Dichloroethane	62	12.880	12.886	-0.006	92	752867	10.0	10.3	
47 Isooctane	57	13.003	13.003	0.000	99	2570682	10.0	10.5	
48 n-Heptane	43	13.308	13.314	-0.006	90	876971	10.0	10.3	
* 49 1,4-Difluorobenzene	114	13.538	13.544	-0.006	94	1849433	10.0	10.0	
50 n-Butanol	56	13.784	13.790	-0.006	88	311260	10.0	8.79	
51 Trichloroethene	95	13.972	13.972	0.000	98	803570	10.0	10.2	
A 52 GRO	1	14.271	(6.542-22.001)		0	242736350	649.9	0	
53 1,2-Dichloropropane	63	14.437	14.443	-0.006	92	638282	10.0	10.4	
54 Methyl methacrylate	69	14.523	14.523	0.000	99	609683	10.0	10.5	
55 1,4-Dioxane	88	14.565	14.571	-0.006	92	334396	10.0	9.78	
57 Dibromomethane	174	14.598	14.603	-0.005	97	751181	10.0	10.4	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	1293841	10.0	10.4	
A 60 TVOC as Toluene	1	15.652	(4.284-27.019)		0	374438457	899.8	0	
59 cis-1,3-Dichloropropene	75	15.716	15.716	0.000	91	1095415	10.0	10.4	
61 4-Methyl-2-pentanone (MIBK)	43	15.983	15.989	-0.006	96	1184124	10.0	10.9	
62 Toluene	92	16.352	16.352	0.000	93	1224291	10.0	10.3	
A 63 Toluene Range	1	16.363	(16.283-16.443)		0	4895317	NC	NC	
64 n-Octane	43	16.582	16.582	0.000	89	1227517	10.0	10.5	
A 65 C8 Range	1	16.588	(16.513-16.663)		0	5029813	NC	NC	
66 trans-1,3-Dichloropropene	75	16.780	16.780	0.000	96	963750	10.0	11.4	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	97	651910	10.0	10.5	
68 Tetrachloroethene	166	17.337	17.342	-0.005	96	1002274	10.0	10.1	
69 2-Hexanone	43	17.567	17.572	-0.005	98	1119019	10.0	10.9	
70 Chlorodibromomethane	129	17.893	17.893	0.000	98	1226209	10.0	10.2	
71 Ethylene Dibromide	107	18.134	18.134	0.000	98	1191766	10.0	10.4	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	86	1674212	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	94	1662651	10.0	10.2	
75 Ethylbenzene	91	19.289	19.289	0.000	98	2754473	10.0	10.5	
76 m-Xylene & p-Xylene	106	19.551	19.552	-0.001	0	2087579	20.0	20.9	
77 n-Nonane	57	19.594	19.600	-0.006	86	1270765	10.0	10.5	
S 80 Xylenes, Total	106				0		30.0	31.4	
78 o-Xylene	106	20.316	20.322	-0.006	99	1015550	10.0	10.6	
79 Styrene	104	20.354	20.354	0.000	99	1665550	10.0	10.6	
81 Bromoform	173	20.696	20.696	0.000	96	964750	10.0	9.50	
82 Isopropylbenzene	105	20.985	20.991	-0.006	98	3015504	10.0	10.6	
83 1,1,2,2-Tetrachloroethane	83	21.509	21.510	-0.001	98	1683583	10.0	10.3	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	1286629	10.0	10.6	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	3680202	10.0	10.6	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	2351047	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.879	21.879	0.000	98	2977846	10.0	10.6	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	2533131	10.0	10.7	
89 n-Decane	57	21.991	21.991	0.000	93	1634607	10.0	10.8	
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	87	1275103	10.0	10.4	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	2396725	10.0	10.6	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	2530842	10.0	10.6	
93 sec-Butylbenzene	105	22.767	22.767	0.000	98	3738094	10.0	10.8	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	98	1706374	10.0	9.97	
95 4-Isopropyltoluene	119	22.975	22.975	0.000	97	3061180	10.0	10.7	
96 1,4-Dichlorobenzene	146	23.082	23.082	0.000	94	1717703	10.0	9.94	
97 Benzyl chloride	91	23.232	23.238	-0.006	99	2291805	10.0	10.5	
98 n-Butylbenzene	91	23.537	23.543	-0.005	99	3038955	10.0	10.6	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	96	1672848	10.0	10.1	
100 Undecane	57	23.681	23.682	-0.001	94	1746609	10.0	9.87	
101 Dodecane	57	25.297	25.303	-0.006	98	1512896	10.0	9.09	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	1411045	10.0	11.6	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	1301844	10.0	11.8	
104 Naphthalene	128	26.581	26.581	0.000	99	2912808	10.0	11.5	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	96	1211872	10.0	10.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00880	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

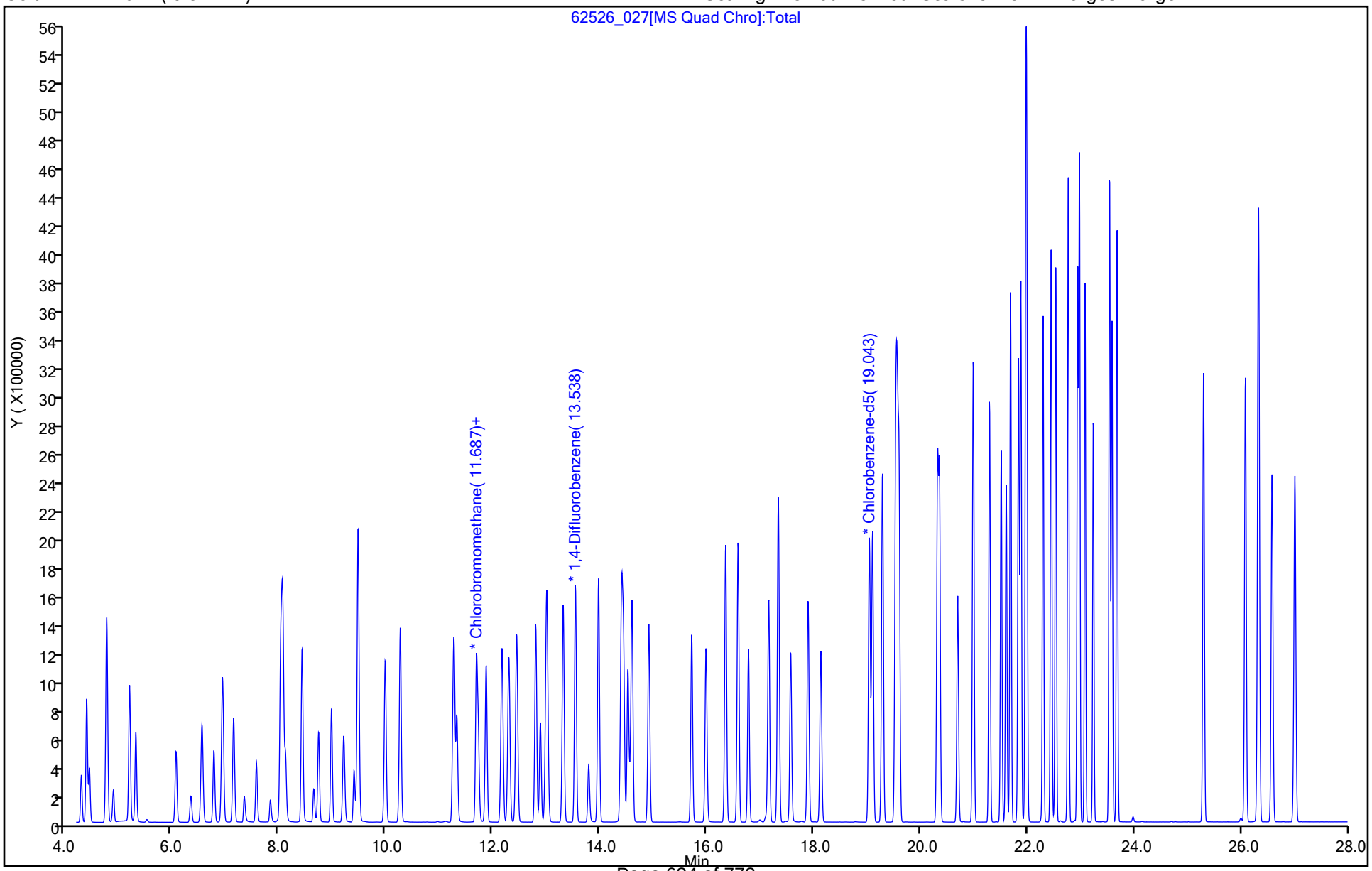
Report Date: 17-Oct-2024 13:07:59 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_027.D

Injection Date:	17-Oct-2024 11:38:49	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ICV			Worklist Smp#:	27
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: CCVIS 200-210137/2 Calibration Date: 10/25/2024 07:59

Instrument ID: CHAM.i Calib Start Date: 10/16/2024 16:17

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/17/2024 10:36

Lab File ID: 62652_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5665	0.5837		10.3	10.0	3.0	30.0
Dichlorodifluoromethane	Ave	2.693	2.800		10.4	10.0	4.0	30.0
Chlorodifluoromethane	Ave	1.338	1.409		10.5	10.0	5.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.899	2.948		10.2	10.0	1.7	30.0
Chloromethane	Ave	0.7369	0.7942		10.8	10.0	7.8	30.0
n-Butane	Ave	1.611	1.967		12.2	10.0	22.1	30.0
Vinyl chloride	Ave	1.316	1.540		11.7	10.0	17.0	30.0
1,3-Butadiene	Ave	0.999	1.119		11.2	10.0	12.0	30.0
Bromomethane	Ave	1.116	1.152		10.3	10.0	3.2	30.0
Chloroethane	Ave	0.5642	0.5928		10.5	10.0	5.1	30.0
Isopentane	Ave	1.038	1.070		10.3	10.0	3.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.162	1.175		10.1	10.0	1.1	30.0
Trichlorofluoromethane	Ave	3.192	3.169		9.92	10.0	-0.7	30.0
n-Pentane	Ave	1.609	1.719		10.7	10.0	6.8	30.0
Ethanol	Ave	0.3656	0.3862		15.8	15.0	5.6	30.0
Ethyl ether	Ave	0.7960	0.8376		10.5	10.0	5.2	30.0
Acrolein	Ave	0.4192	0.4147		11.6	11.7	-1.1	30.0
1,1-Dichloroethene	Ave	1.343	1.358		10.1	10.0	1.1	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.860	2.947		10.3	10.0	3.0	30.0
Acetone	Ave	1.694	1.775		10.5	10.0	4.8	30.0
Isopropyl alcohol	Ave	1.675	1.764		12.2	11.6	5.3	30.0
Carbon disulfide	Ave	3.684	4.034		10.9	10.0	9.5	30.0
Acetonitrile	Ave	0.8383	0.8943		10.7	10.0	6.7	30.0
3-Chloropropene	Ave	1.438	1.482		10.3	10.0	3.1	30.0
Methylene Chloride	Ave	1.373	1.534		11.2	10.0	11.7	30.0
tert-Butyl alcohol	Ave	2.471	2.563		10.4	10.0	3.7	30.0
Acrylonitrile	Ave	0.8709	1.014		11.6	10.0	16.5	30.0
trans-1,2-Dichloroethene	Ave	1.912	2.060		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.648	3.860		10.6	10.0	5.8	30.0
n-Hexane	Ave	1.955	2.095		10.7	10.0	7.2	30.0
1,1-Dichloroethane	Ave	2.426	2.618		10.8	10.0	7.9	30.0
Vinyl acetate	Ave	2.733	2.619		10.9	11.4	-4.2	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.6619	0.7157		10.8	10.0	8.1	30.0
cis-1,2-Dichloroethene	Ave	1.541	1.561		10.1	10.0	1.3	30.0
Ethyl acetate	Ave	0.1240	0.1247		10.1	10.0	0.5	30.0
Tetrahydrofuran	Ave	0.2862	0.3081		10.8	10.0	7.7	30.0
Chloroform	Ave	2.949	3.097		10.5	10.0	5.0	30.0
1,1,1-Trichloroethane	Ave	0.6238	0.6354		10.2	10.0	1.9	30.0
Cyclohexane	Ave	0.3850	0.4003		10.4	10.0	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: CCVIS 200-210137/2 Calibration Date: 10/25/2024 07:59

Instrument ID: CHAM.i Calib Start Date: 10/16/2024 16:17

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/17/2024 10:36

Lab File ID: 62652_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.6294	0.6448		10.2	10.0	2.5	30.0
Benzene	Ave	0.9021	0.9417		10.4	10.0	4.4	30.0
1,2-Dichloroethane	Ave	0.3955	0.4203		10.6	10.0	6.3	30.0
2,2,4-Trimethylpentane	Ave	1.329	1.447		10.9	10.0	8.9	30.0
n-Heptane	Ave	0.4588	0.4987		10.9	10.0	8.7	30.0
n-Butanol	Ave	0.1915	0.1966		10.3	10.0	2.7	30.0
Trichloroethene	Ave	0.4241	0.4310		10.2	10.0	1.6	30.0
1,2-Dichloropropane	Ave	0.3319	0.3635		10.9	10.0	9.5	30.0
Methyl methacrylate	Ave	0.3139	0.3410		10.9	10.0	8.7	30.0
1,4-Dioxane	Ave	0.1849	0.1905		10.3	10.0	3.1	30.0
Dibromomethane	Ave	0.3913	0.3740		9.56	10.0	-4.4	30.0
Bromodichloromethane	Ave	0.6698	0.7065		10.5	10.0	5.5	30.0
cis-1,3-Dichloropropene	Ave	0.5669	0.6004		10.6	10.0	5.9	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.5859	0.6649		11.3	10.0	13.5	30.0
Toluene	Ave	0.7084	0.7226		10.2	10.0	2.0	30.0
n-Octane	Ave	0.6340	0.7077		11.2	10.0	11.6	30.0
trans-1,3-Dichloropropene	Ave	0.4565	0.4849		10.6	10.0	6.2	30.0
1,1,2-Trichloroethane	Ave	0.3712	0.3871		10.4	10.0	4.3	30.0
Tetrachloroethene	Ave	0.5902	0.5556		9.41	10.0	-5.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6126	0.6965		11.4	10.0	13.7	30.0
Dibromochloromethane	Ave	0.7173	0.7174		10.0	10.0	0.0	30.0
1,2-Dibromoethane	Ave	0.6833	0.6915		10.1	10.0	1.2	30.0
Chlorobenzene	Ave	0.9770	0.9676		9.90	10.0	-1.0	30.0
Ethylbenzene	Ave	1.566	1.630		10.4	10.0	4.1	30.0
m,p-Xylene	Ave	0.5980	0.6207		20.8	20.0	3.8	30.0
n-Nonane	Ave	0.7203	0.8188		11.4	10.0	13.7	30.0
o-Xylene	Ave	0.5746	0.5897		10.3	10.0	2.6	30.0
Styrene	Ave	0.9419	0.998		10.6	10.0	6.0	30.0
Bromoform	Ave	0.6068	0.5652		9.31	10.0	-6.8	30.0
Cumene	Ave	1.699	1.786		10.5	10.0	5.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9733	1.039		10.7	10.0	6.7	30.0
1,2,3-Trichloropropane	Ave	0.7253	0.7862		10.8	10.0	8.4	30.0
n-Propylbenzene	Ave	2.083	2.244		10.8	10.0	7.7	30.0
2-Chlorotoluene	Ave	1.368	1.423		10.4	10.0	4.1	30.0
4-Ethyltoluene	Ave	1.675	1.792		10.7	10.0	7.0	30.0
1,3,5-Trimethylbenzene	Ave	1.419	1.530		10.8	10.0	7.8	30.0
n-Decane	Ave	0.9035	1.084		12.0	10.0	20.0	30.0
Alpha Methyl Styrene	Ave	0.7319	0.7808		10.7	10.0	6.7	30.0
tert-Butylbenzene	Ave	1.352	1.416		10.5	10.0	4.7	30.0
1,2,4-Trimethylbenzene	Ave	1.430	1.552		10.9	10.0	8.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: CCVIS 200-210137/2 Calibration Date: 10/25/2024 07:59

Instrument ID: CHAM.i Calib Start Date: 10/16/2024 16:17

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/17/2024 10:36

Lab File ID: 62652_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	2.064	2.263		11.0	10.0	9.7	30.0
1,3-Dichlorobenzene	Ave	1.022	1.029		10.1	10.0	0.7	30.0
4-Isopropyltoluene	Ave	1.716	1.871		10.9	10.0	9.0	30.0
1,4-Dichlorobenzene	Ave	1.033	1.033		10.0	10.0	0.0	30.0
Benzyl chloride	Ave	1.304	1.468		11.3	10.0	12.6	30.0
n-Butylbenzene	Ave	1.707	1.946		11.4	10.0	14.0	30.0
1,2-Dichlorobenzene	Ave	0.9931	1.000		10.1	10.0	0.7	30.0
n-Undecane	Ave	1.057	1.215		11.5	10.0	14.9	30.0
n-Dodecane	Ave	0.9944	1.140		11.5	10.0	14.6	30.0
1,2,4-Trichlorobenzene	Ave	0.7280	0.7230		11.6	11.7	-0.7	30.0
Hexachlorobutadiene	Ave	0.6608	0.6269		10.7	11.2	-5.1	30.0
Naphthalene	Ave	1.513	1.691		13.3	11.9	11.8	30.0
1,2,3-Trichlorobenzene	Ave	0.7014	0.6907		11.5	11.6	-1.5	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Oct-2024 07:59:31 ALS Bottle#: 0 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062652-002
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 27-Oct-2024 20:41:08 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: YWL8 Date: 27-Oct-2024 20:41:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.283	4.283	0.000	98	199620	10.0	10.3	
2 Dichlorodifluoromethane	85	4.380	4.380	0.000	99	957694	10.0	10.4	
3 Chlorodifluoromethane	51	4.433	4.433	0.000	97	481862	10.0	10.5	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.754	4.754	0.000	94	1008067	10.0	10.2	
5 Chloromethane	50	4.883	4.883	0.000	99	271625	10.0	10.8	
11 BFB									
7 Butane	43	5.188	5.188	0.000	98	672686	10.0	12.2	
6 Vinyl chloride	62	5.188	5.188	0.000	86	526569	10.0	11.7	
8 Butadiene	54	5.305	5.305	0.000	90	382629	10.0	11.2	
9 Bromomethane	94	6.054	6.054	0.000	99	393962	10.0	10.3	
10 Chloroethane	64	6.332	6.332	0.000	99	202745	10.0	10.5	
12 2-Methylbutane	43	6.541	6.541	0.000	90	365953	10.0	10.3	
13 Vinyl bromide	106	6.766	6.766	0.000	98	401786	10.0	10.1	
14 Trichlorofluoromethane	101	6.926	6.926	0.000	99	1083641	10.0	9.92	
15 Pentane	43	7.135	7.135	0.000	95	587744	10.0	10.7	
16 Ethanol	45	7.333	7.333	0.000	98	198186	15.0	15.8	
18 Ethyl ether	59	7.563	7.563	0.000	90	286465	10.0	10.5	
19 Acrolein	56	7.825	7.825	0.000	96	166079	11.7	11.6	
20 1,1-Dichloroethene	96	8.012	8.012	0.000	98	464529	10.0	10.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.050	8.050	0.000	95	1007965	10.0	10.3	
22 Acetone	43	8.109	8.109	0.000	97	607202	10.0	10.5	
23 Isopropyl alcohol	45	8.413	8.413	0.000	99	699359	11.6	12.2	
24 Carbon disulfide	76	8.419	8.419	0.000	99	1379712	10.0	10.9	
25 Acetonitrile	41	8.633	8.633	0.000	99	305844	10.0	10.7	
26 3-Chloro-1-propene	41	8.729	8.729	0.000	99	506819	10.0	10.3	
27 Methylene Chloride	49	8.970	8.970	0.000	92	524529	10.0	11.2	
28 2-Methyl-2-propanol	59	9.200	9.200	0.000	99	876430	10.0	10.4	
29 Acrylonitrile	53	9.393	9.393	0.000	94	346872	10.0	11.6	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	98	704410	10.0	10.8	
31 Methyl tert-butyl ether	73	9.467	9.467	0.000	97	1320103	10.0	10.6	
32 Hexane	57	9.976	9.976	0.000	93	716433	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		20.0	20.9	
33 1,1-Dichloroethane	63	10.254	10.254	0.000	100	895327	10.0	10.8	
34 Vinyl acetate	43	10.259	10.259	0.000	100	1020349	11.4	10.9	
36 2-Butanone (MEK)	72	11.244	11.244	0.000	98	244784	10.0	10.8	
37 cis-1,2-Dichloroethene	96	11.265	11.265	0.000	94	533868	10.0	10.1	
38 Ethyl acetate	88	11.318	11.318	0.000	100	42643	10.0	10.1	
* 39 Chlorobromomethane	128	11.682	11.682	0.000	90	342070	10.0	10.0	
40 Tetrahydrofuran	42	11.714	11.714	0.000	89	494521	10.0	10.8	
41 Chloroform	83	11.864	11.864	0.000	96	1059271	10.0	10.5	
42 1,1,1-Trichloroethane	97	12.164	12.164	0.000	99	1019784	10.0	10.2	
43 Cyclohexane	84	12.292	12.292	0.000	98	642514	10.0	10.4	
44 Carbon tetrachloride	117	12.437	12.437	0.000	97	1034957	10.0	10.2	
45 Benzene	78	12.795	12.795	0.000	96	1511456	10.0	10.4	
46 1,2-Dichloroethane	62	12.881	12.881	0.000	93	674631	10.0	10.6	
47 Isooctane	57	12.998	12.998	0.000	99	2323148	10.0	10.9	
48 n-Heptane	43	13.309	13.309	0.000	91	800449	10.0	10.9	
* 49 1,4-Difluorobenzene	114	13.539	13.539	0.000	97	1605298	10.0	10.0	
50 n-Butanol	56	13.785	13.785	0.000	88	315593	10.0	10.3	
51 Trichloroethene	95	13.972	13.972	0.000	96	691809	10.0	10.2	
A 52 GRO	1	14.266	(6.531-22.001)		0	217194067	649.9	0	
53 1,2-Dichloropropane	63	14.437	14.437	0.000	92	583346	10.0	10.9	
54 Methyl methacrylate	69	14.518	14.518	0.000	98	547368	10.0	10.9	
55 1,4-Dioxane	88	14.566	14.566	0.000	93	305817	10.0	10.3	
57 Dibromomethane	174	14.598	14.598	0.000	94	600343	10.0	9.56	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	1133993	10.0	10.5	
A 60 TVOC as Toluene	1	15.646	(4.273-27.019)		0	339982748	899.8	0	
59 cis-1,3-Dichloropropene	75	15.716	15.716	0.000	92	963665	10.0	10.6	
61 4-Methyl-2-pentanone (MIBK)	43	15.983	15.983	0.000	96	1067195	10.0	11.3	
62 Toluene	92	16.347	16.347	0.000	93	1063382	10.0	10.2	
A 63 Toluene Range	1	16.358	(16.278-16.438)		0	4313872	NC	NC	
64 n-Octane	43	16.583	16.583	0.000	90	1135889	10.0	11.2	
A 65 C8 Range	1	16.588	(16.502-16.674)		0	4602637	NC	NC	
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	96	778225	10.0	10.6	
67 1,1,2-Trichloroethane	83	17.155	17.155	0.000	97	569679	10.0	10.4	
68 Tetrachloroethene	166	17.337	17.337	0.000	96	817700	10.0	9.41	
69 2-Hexanone	43	17.567	17.567	0.000	95	1025002	10.0	11.4	
70 Chlorodibromomethane	129	17.893	17.893	0.000	98	1055786	10.0	10.0	
71 Ethylene Dibromide	107	18.129	18.129	0.000	98	1017652	10.0	10.1	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	87	1471964	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	93	1423933	10.0	9.90	
75 Ethylbenzene	91	19.284	19.284	0.000	99	2399022	10.0	10.4	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	1826973	20.0	20.8	
77 n-Nonane	57	19.595	19.595	0.000	89	1205029	10.0	11.4	
S 80 Xylenes, Total	106				0		30.0	31.0	
78 o-Xylene	106	20.317	20.317	0.000	98	867906	10.0	10.3	
79 Styrene	104	20.354	20.354	0.000	100	1468754	10.0	10.6	
81 Bromoform	173	20.697	20.697	0.000	98	831864	10.0	9.31	
82 Isopropylbenzene	105	20.985	20.985	0.000	98	2629146	10.0	10.5	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	1529036	10.0	10.7	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	1157104	10.0	10.8	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	3301824	10.0	10.8	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	2094926	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.879	21.879	0.000	99	2637325	10.0	10.7	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	92	2251396	10.0	10.8	
89 n-Decane	57	21.991	21.991	0.000	92	1595628	10.0	12.0	
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	87	1149131	10.0	10.7	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	2083444	10.0	10.5	
92 1,2,4-Trimethylbenzene	105	22.532	22.532	0.000	98	2283848	10.0	10.9	
93 sec-Butylbenzene	105	22.767	22.767	0.000	98	3330610	10.0	11.0	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	99	1514534	10.0	10.1	
95 4-Isopropyltoluene	119	22.976	22.976	0.000	97	2753976	10.0	10.9	
96 1,4-Dichlorobenzene	146	23.083	23.083	0.000	93	1520796	10.0	10.0	
97 Benzyl chloride	91	23.232	23.232	0.000	98	2161061	10.0	11.3	
98 n-Butylbenzene	91	23.543	23.543	0.000	98	2863840	10.0	11.4	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	1471838	10.0	10.1	
100 Undecane	57	23.676	23.676	0.000	94	1787475	10.0	11.5	
101 Dodecane	57	25.297	25.297	0.000	98	1677560	10.0	11.5	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	1248160	11.7	11.6	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	96	1036984	11.2	10.7	
104 Naphthalene	128	26.581	26.581	0.000	99	2958564	11.9	13.3	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	97	1184168	11.6	11.5	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00830	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

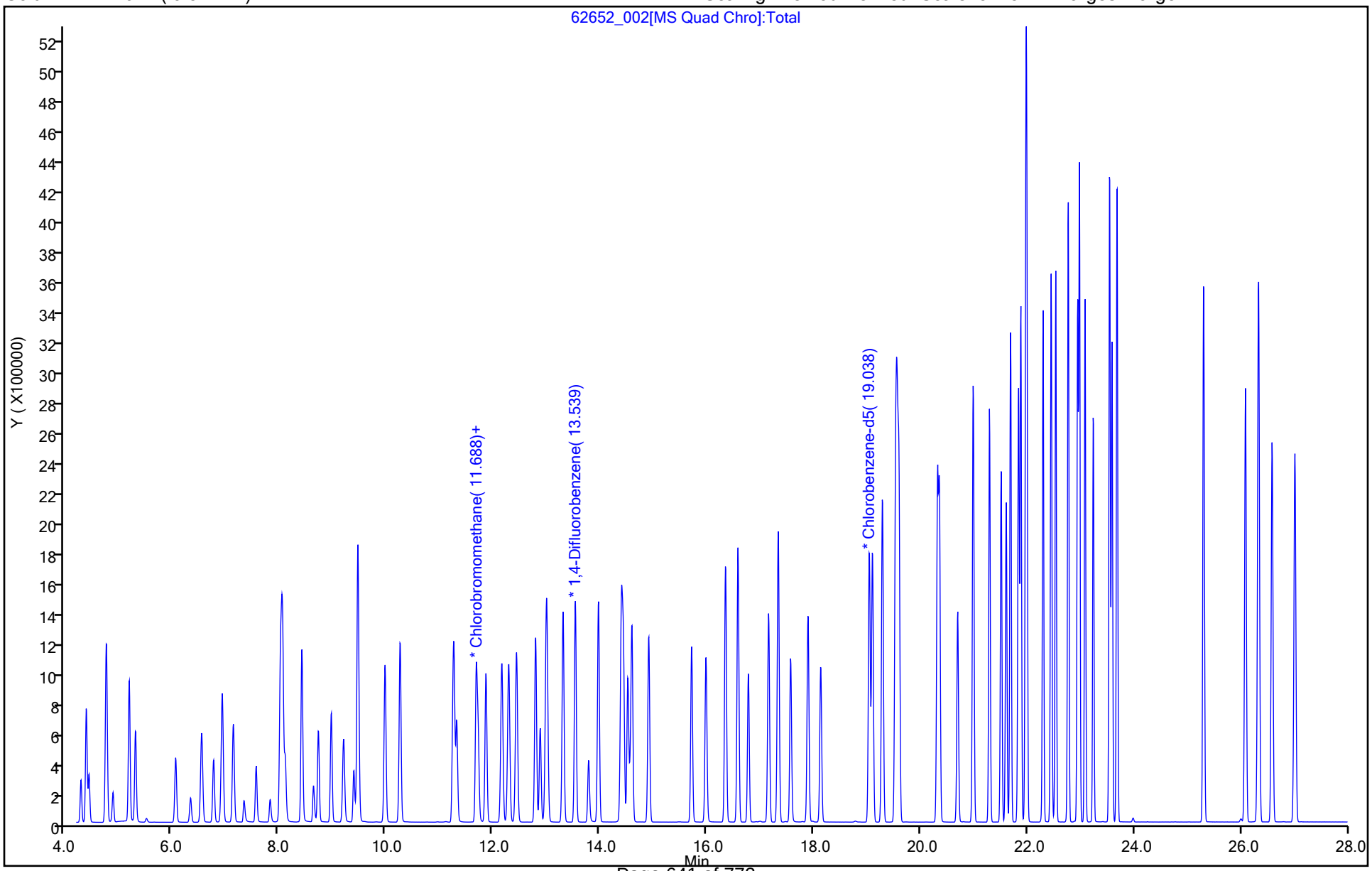
Report Date: 27-Oct-2024 20:41:09 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_002.D

Injection Date:	25-Oct-2024 07:59:31	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: ICV 200-210070/21 Calibration Date: 10/26/2024 10:12

Instrument ID: CHAN.i Calib Start Date: 10/25/2024 18:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/26/2024 09:20

Lab File ID: 62629_021.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.244	1.323		10.6	10.0	6.4	30.0
Dichlorodifluoromethane	Ave	3.137	3.272		10.4	10.0	4.3	30.0
Freon 22	Ave	2.203	2.279		10.3	10.0	3.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.297	3.324		10.1	10.0	0.8	30.0
Chloromethane	Ave	1.288	1.306		10.1	10.0	1.3	30.0
Vinyl chloride	Ave	1.052	1.002		9.53	10.0	-4.7	30.0
n-Butane	Ave	1.729	1.753		10.1	10.0	1.4	30.0
1,3-Butadiene	Ave	0.8743	0.7851		8.98	10.0	-10.2	30.0
Bromomethane	Ave	1.029	1.042		10.1	10.0	1.2	30.0
Chloroethane	Ave	0.6642	0.6785		10.2	10.0	2.2	30.0
Isopentane	Ave	1.690	1.672		9.89	10.0	-1.0	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9305	0.9609		10.3	10.0	3.3	30.0
Trichlorofluoromethane	Ave	2.748	2.764		10.1	10.0	0.6	30.0
n-Pentane	Ave	2.364	2.338		9.89	10.0	-1.1	30.0
Ethanol	Ave	0.6666	0.5812		13.1	15.0	-12.8	30.0
Ethyl ether	Ave	0.8680	0.8431		9.71	10.0	-2.9	30.0
Acrolein	Ave	0.4253	0.4324		10.2	10.0	1.7	30.0
1,1-Dichloroethene	Ave	0.999	0.9610		9.62	10.0	-3.8	30.0
Freon TF	Ave	2.093	2.025		9.67	10.0	-3.3	30.0
Acetone	Ave	1.870	1.944		10.4	10.0	3.9	30.0
Isopropyl alcohol	Ave	1.908	2.084		10.9	10.0	9.2	30.0
Carbon disulfide	Ave	2.931	2.931		10.0	10.0	-0.0	30.0
Acetonitrile	Ave	0.9603	0.8578		8.93	10.0	-10.7	30.0
3-Chloropropene	Ave	1.656	1.327		8.01	10.0	-19.9	30.0
Methylene Chloride	Ave	1.345	1.310		9.74	10.0	-2.6	30.0
tert-Butyl alcohol	Ave	2.314	2.323		10.0	10.0	0.4	30.0
Acrylonitrile	Ave	0.7949	0.7622		9.59	10.0	-4.1	30.0
trans-1,2-Dichloroethene	Ave	1.634	1.597		9.77	10.0	-2.3	30.0
Methyl tert-butyl ether	Ave	3.081	3.027		9.82	10.0	-1.8	30.0
n-Hexane	Ave	1.729	1.669		9.65	10.0	-3.5	30.0
1,1-Dichloroethane	Ave	1.997	1.909		9.56	10.0	-4.4	30.0
Vinyl acetate	Ave	2.558	2.909		11.4	10.0	13.7	30.0
Methyl Ethyl Ketone	Ave	0.5158	0.5171		10.0	10.0	0.3	30.0
cis-1,2-Dichloroethene	Ave	1.065	0.996		9.35	10.0	-6.5	30.0
Ethyl acetate	Ave	0.0850	0.0905		10.6	10.0	6.5	30.0
Tetrahydrofuran	Ave	0.2640	0.2662		10.1	10.0	0.8	30.0
Chloroform	Ave	2.251	2.208		9.80	10.0	-1.9	30.0
1,1,1-Trichloroethane	Ave	0.4564	0.4566		10.0	10.0	0.0	30.0
Cyclohexane	Ave	0.2673	0.2639		9.87	10.0	-1.3	30.0
Carbon tetrachloride	Ave	0.4385	0.4481		10.2	10.0	2.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: ICV 200-210070/21 Calibration Date: 10/26/2024 10:12

Instrument ID: CHAN.i Calib Start Date: 10/25/2024 18:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/26/2024 09:20

Lab File ID: 62629_021.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.6479	0.6389		9.86	10.0	-1.4	30.0
1,2-Dichloroethane	Ave	0.3293	0.3259		9.90	10.0	-1.0	30.0
2,2,4-Trimethylpentane	Ave	1.098	1.092		9.95	10.0	-0.5	30.0
n-Heptane	Ave	0.4535	0.4472		9.86	10.0	-1.4	30.0
n-Butanol	Ave	0.1646	0.1503		9.13	10.0	-8.7	30.0
Trichloroethene	Ave	0.2764	0.2858		10.3	10.0	3.4	30.0
1,2-Dichloropropane	Ave	0.2545	0.2524		9.92	10.0	-0.8	30.0
Methyl methacrylate	Ave	0.2321	0.2382		10.3	10.0	2.6	30.0
1,4-Dioxane	Ave	0.1346	0.1198		8.90	10.0	-11.0	30.0
Dibromomethane	Ave	0.2106	0.2223		10.6	10.0	5.6	30.0
Bromodichloromethane	Ave	0.4841	0.4853		10.0	10.0	0.3	30.0
cis-1,3-Dichloropropene	Ave	0.4304	0.4293		9.97	10.0	-0.2	30.0
Methyl isobutyl ketone	Ave	0.5703	0.5912		10.4	10.0	3.7	30.0
Toluene	Ave	0.4965	0.4936		9.94	10.0	-0.6	30.0
n-Octane	Ave	0.6252	0.6139		9.82	10.0	-1.8	30.0
trans-1,3-Dichloropropene	Ave	0.3575	0.3836		10.7	10.0	7.3	30.0
1,1,2-Trichloroethane	Ave	0.2590	0.2616		10.1	10.0	1.0	30.0
Tetrachloroethene	Ave	0.3381	0.3466		10.2	10.0	2.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6183	0.6356		10.3	10.0	2.8	30.0
Dibromochloromethane	Ave	0.4699	0.4442		9.45	10.0	-5.5	30.0
1,2-Dibromoethane	Ave	0.4422	0.4439		10.0	10.0	0.4	30.0
Chlorobenzene	Ave	0.6294	0.6287		9.99	10.0	-0.1	30.0
Ethylbenzene	Ave	1.122	1.119		9.98	10.0	-0.2	30.0
m,p-Xylene	Ave	0.3998	0.3978		19.9	20.0	-0.5	30.0
n-Nonane	Ave	0.6029	0.5934		9.84	10.0	-1.6	30.0
Xylene, o-	Ave	0.3917	0.3901		9.96	10.0	-0.4	30.0
Styrene	Ave	0.6468	0.6451		9.97	10.0	-0.3	30.0
Bromoform	Ave	0.3872	0.3055		7.89	10.0	-21.1	30.0
Cumene	Ave	1.195	1.199		10.0	10.0	0.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6813	0.6692		9.82	10.0	-1.8	30.0
1,2,3-Trichloropropane	Ave	0.5465	0.5576		10.2	10.0	2.0	30.0
n-Propylbenzene	Ave	1.503	1.509		10.0	10.0	0.4	30.0
2-Chlorotoluene	Ave	0.9653	0.9600		9.94	10.0	-0.5	30.0
4-Ethyltoluene	Ave	1.174	1.184		10.1	10.0	0.9	30.0
1,3,5-Trimethylbenzene	Ave	1.008	1.009		10.0	10.0	0.0	30.0
n-Decane	Ave	0.7428	0.7696		10.4	10.0	3.6	30.0
Alpha Methyl Styrene	Ave	0.5038	0.4962		9.85	10.0	-1.5	30.0
tert-Butylbenzene	Ave	0.9258	0.9265		10.0	10.0	0.0	30.0
1,2,4-Trimethylbenzene	Ave	1.033	1.016		9.83	10.0	-1.6	30.0
sec-Butylbenzene	Ave	1.447	1.451		10.0	10.0	0.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: ICV 200-210070/21 Calibration Date: 10/26/2024 10:12

Instrument ID: CHAN.i Calib Start Date: 10/25/2024 18:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/26/2024 09:20

Lab File ID: 62629_021.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.6361	0.6319		9.93	10.0	-0.7	30.0
4-Isopropyltoluene	Ave	1.203	1.184		9.84	10.0	-1.6	30.0
1,4-Dichlorobenzene	Ave	0.6368	0.6307		9.90	10.0	-1.0	30.0
Benzyl chloride	Ave	1.093	0.9897		9.05	10.0	-9.5	30.0
n-Butylbenzene	Ave	1.297	1.269		9.78	10.0	-2.2	30.0
1,2-Dichlorobenzene	Ave	0.6145	0.5979		9.73	10.0	-2.7	30.0
n-Undecane	Ave	0.8238	0.8876		10.8	10.0	7.7	30.0
n-Dodecane	Ave	0.8482	0.9323		11.0	10.0	9.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4703	0.5421		11.5	10.0	15.3	30.0
Hexachlorobutadiene	Ave	0.3850	0.4188		10.9	10.0	8.8	30.0
Naphthalene	Ave	1.278	1.310		10.2	10.0	2.5	30.0
1,2,3-Trichlorobenzene	Ave	0.4773	0.4558		9.55	10.0	-4.5	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_021.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 26-Oct-2024 10:12:08 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-006
Operator ID: wrd Instrument ID: CHAN.i
Sublist:

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:22:34 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	98	882123	10.0	10.6	
2 Dichlorodifluoromethane	85	4.460	4.460	0.000	100	2181446	10.0	10.4	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	98	1519007	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	98	2216042	10.0	10.1	
11 BFB									
5 Chloromethane	50	4.942	4.941	0.001	99	870383	10.0	10.1	
6 Vinyl chloride	62	5.236	5.236	0.000	100	667909	10.0	9.53	
7 Butane	43	5.241	5.241	0.000	97	1168684	10.0	10.1	
8 Butadiene	54	5.354	5.353	0.001	96	523351	10.0	8.98	
9 Bromomethane	94	6.081	6.081	0.000	98	694592	10.0	10.1	
10 Chloroethane	64	6.349	6.348	0.001	100	452329	10.0	10.2	
12 2-Methylbutane	43	6.563	6.562	0.001	95	1114655	10.0	9.89	
13 Vinyl bromide	106	6.771	6.771	0.000	98	640584	10.0	10.3	
14 Trichlorofluoromethane	101	6.937	6.932	0.005	98	1842443	10.0	10.1	
15 Pentane	43	7.140	7.140	0.000	96	1558334	10.0	9.89	
16 Ethanol	45	7.301	7.301	0.000	98	581396	15.0	13.1	
18 Ethyl ether	59	7.552	7.552	0.000	97	562054	10.0	9.71	
19 Acrolein	56	7.782	7.788	-0.006	97	288268	10.0	10.2	
20 1,1-Dichloroethene	96	7.991	7.991	0.000	93	640641	10.0	9.62	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	92	1350043	10.0	9.67	
22 Acetone	43	8.061	8.060	0.001	99	1295929	10.0	10.4	
23 Isopropyl alcohol	45	8.355	8.355	0.000	100	1389226	10.0	10.9	
24 Carbon disulfide	76	8.398	8.397	0.001	100	1953890	10.0	10.0	
25 Acetonitrile	41	8.558	8.558	0.000	98	571822	10.0	8.93	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	96	884533	10.0	8.01	
27 Methylene Chloride	49	8.911	8.911	0.000	99	873438	10.0	9.74	
28 2-Methyl-2-propanol	59	9.120	9.120	0.000	99	1548554	10.0	10.0	
29 Acrylonitrile	53	9.302	9.302	0.000	93	508137	10.0	9.59	
30 trans-1,2-Dichloroethene	61	9.409	9.414	-0.005	93	1064599	10.0	9.77	
31 Methyl tert-butyl ether	73	9.419	9.419	0.000	97	2017606	10.0	9.82	
32 Hexane	57	9.928	9.927	0.001	92	1112329	10.0	9.65	
33 1,1-Dichloroethane	63	10.174	10.174	0.000	100	1272417	10.0	9.56	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.179	10.179	0.000	100	1939475	10.0	11.4	
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.1	
36 2-Butanone (MEK)	72	11.137	11.137	0.001	100	344746	10.0	10.0	
37 cis-1,2-Dichloroethene	96	11.169	11.169	0.000	97	663632	10.0	9.35	
38 Ethyl acetate	88	11.222	11.222	0.000	99	60349	10.0	10.6	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	666761	10.0	10.0	
40 Tetrahydrofuran	42	11.618	11.623	-0.005	94	875075	10.0	10.1	
41 Chloroform	83	11.752	11.752	0.000	97	1471777	10.0	9.80	
42 1,1,1-Trichloroethane	97	12.068	12.067	0.001	98	1501189	10.0	10.0	
43 Cyclohexane	84	12.207	12.212	-0.005	95	867445	10.0	9.87	
44 Carbon tetrachloride	117	12.346	12.346	0.000	96	1473344	10.0	10.2	
45 Benzene	78	12.688	12.688	0.000	98	2100390	10.0	9.86	
46 1,2-Dichloroethane	62	12.752	12.757	-0.005	92	1071560	10.0	9.90	
47 Isooctane	57	12.913	12.913	0.000	98	3591143	10.0	9.95	
48 n-Heptane	43	13.218	13.218	0.000	96	1470364	10.0	9.86	
* 49 1,4-Difluorobenzene	114	13.416	13.416	0.000	97	3288261	10.0	10.0	
50 n-Butanol	56	13.630	13.635	-0.005	93	494215	10.0	9.13	
51 Trichloroethene	95	13.854	13.854	0.000	93	939448	10.0	10.3	
A 52 GRO	1	14.226	(6.552-21.900)		0	333520537	649.9	0	
53 1,2-Dichloropropane	63	14.304	14.304	0.000	88	829891	10.0	9.92	
54 Methyl methacrylate	69	14.389	14.395	-0.005	91	783139	10.0	10.3	
55 1,4-Dioxane	88	14.432	14.432	0.000	98	393716	10.0	8.90	
57 Dibromomethane	174	14.459	14.459	0.000	90	730741	10.0	10.6	
58 Dichlorobromomethane	83	14.769	14.769	0.000	98	1595461	10.0	10.0	
59 cis-1,3-Dichloropropene	75	15.572	15.571	0.001	98	1411463	10.0	9.97	
A 60 TVOC as Toluene	1	15.582	(4.348-26.816)		0	510410057	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.834	15.834	0.000	97	1943609	10.0	10.4	
62 Toluene	92	16.214	16.219	-0.005	93	1444487	10.0	9.94	
A 63 Toluene Range	1	16.221	(16.144-16.299)		0	6261523	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	95	2018393	10.0	9.82	
A 65 C8 Range	1	16.476	(16.401-16.550)		0	7407635	NC	NC	
66 trans-1,3-Dichloropropene	75	16.620	16.620	0.000	97	1261034	10.0	10.7	
67 1,1,2-Trichloroethane	83	16.995	16.995	0.001	97	765478	10.0	10.1	
68 Tetrachloroethene	166	17.209	17.208	0.001	91	1014315	10.0	10.2	
69 2-Hexanone	43	17.407	17.406	0.001	92	1860254	10.0	10.3	
70 Chlorodibromomethane	129	17.733	17.733	0.000	97	1299877	10.0	9.45	
71 Ethylene Dibromide	107	17.974	17.974	0.000	98	1299154	10.0	10.0	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	91	2927215	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	90	1840051	10.0	9.99	
75 Ethylbenzene	91	19.140	19.140	0.000	100	3276241	10.0	9.98	
76 m-Xylene & p-Xylene	106	19.402	19.402	0.000	0	2328421	20.0	19.9	
77 n-Nonane	57	19.466	19.471	-0.005	93	1736589	10.0	9.84	
S 80 Xylenes, Total	106				0		30.0	29.9	
78 o-Xylene	106	20.172	20.172	0.000	96	1141610	10.0	9.96	
79 Styrene	104	20.205	20.204	0.001	98	1888063	10.0	9.97	
81 Bromoform	173	20.542	20.541	0.001	92	894115	10.0	7.89	
82 Isopropylbenzene	105	20.857	20.857	0.000	98	3509777	10.0	10.0	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	99	1958648	10.0	9.82	
84 1,2,3-Trichloropropane	75	21.456	21.462	-0.006	98	1631850	10.0	10.2	
85 N-Propylbenzene	91	21.569	21.569	0.000	98	4417008	10.0	10.0	
86 2-Chlorotoluene	91	21.713	21.713	0.000	97	2809617	10.0	9.94	
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	3466364	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	105	21.852	21.857	-0.005	91	2951773	10.0	10.0	
89 n-Decane	57	21.890	21.890	0.000	91	2252355	10.0	10.4	
90 Alpha Methyl Styrene	118	22.179	22.178	0.001	83	1452132	10.0	9.85	
91 tert-Butylbenzene	119	22.334	22.334	0.000	92	2711549	10.0	10.0	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	99	2972794	10.0	9.83	
93 sec-Butylbenzene	105	22.655	22.655	0.000	98	4245593	10.0	10.0	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	98	1849406	10.0	9.93	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	96	3465444	10.0	9.84	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	90	1845864	10.0	9.90	
97 Benzyl chloride	91	23.109	23.109	0.000	97	2896402	10.0	9.05	
98 n-Butylbenzene	91	23.425	23.425	0.000	98	3712802	10.0	9.78	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	92	1749769	10.0	9.73	
100 Undecane	57	23.575	23.575	0.000	96	2597663	10.0	10.8	
101 Dodecane	57	25.164	25.164	0.000	94	2728512	10.0	11.0	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	93	1586583	10.0	11.5	
103 Hexachlorobutadiene	225	26.159	26.159	0.000	92	1225756	10.0	10.9	
104 Naphthalene	128	26.384	26.389	-0.005	98	3834691	10.0	10.2	
105 1,2,3-Trichlorobenzene	180	26.801	26.806	-0.005	94	1333943	10.0	9.55	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00881	Amount Added: 200.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

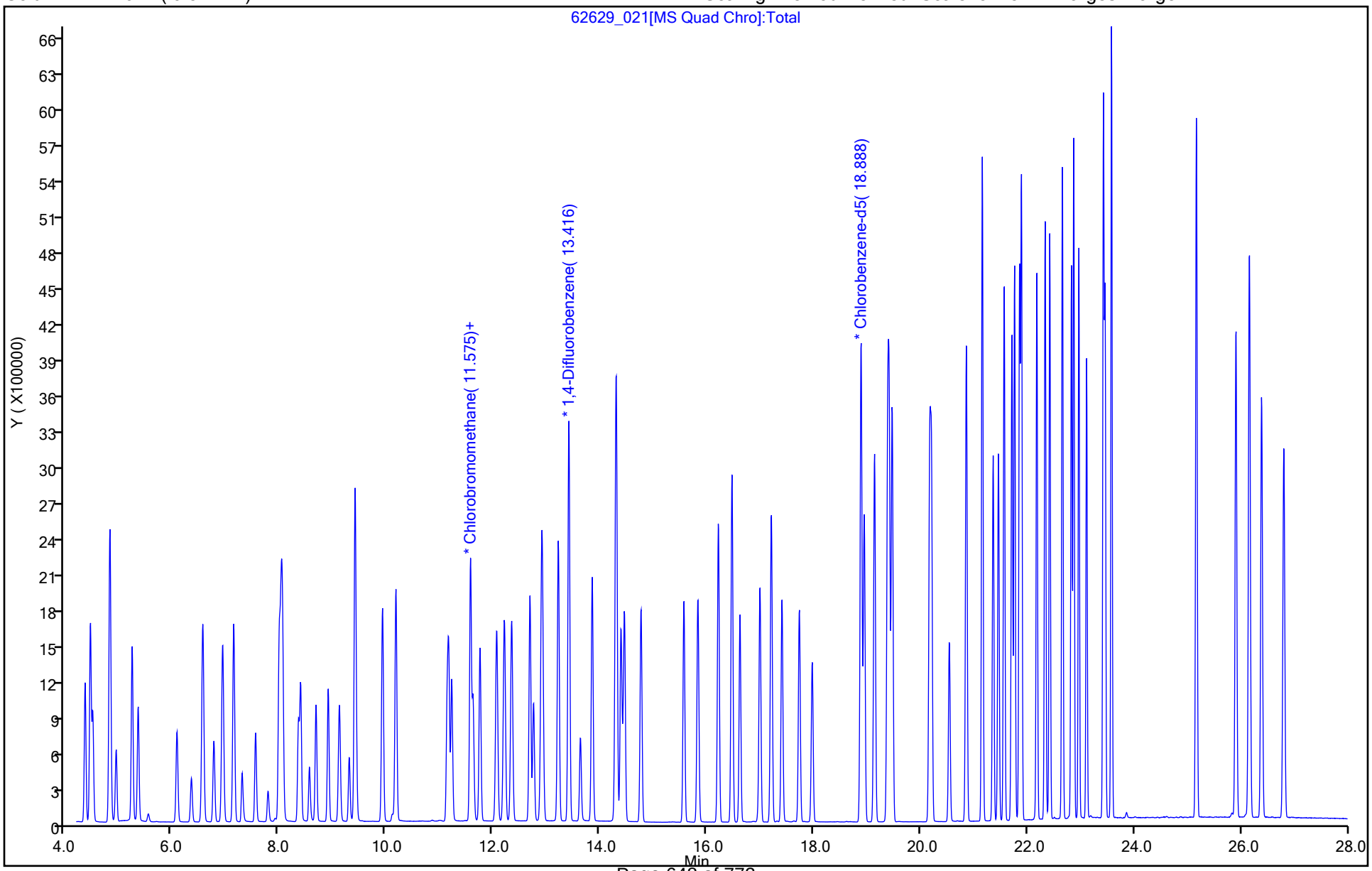
Report Date: 28-Oct-2024 10:22:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_021.D

Injection Date:	26-Oct-2024 10:12:08	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: CCVIS 200-210195/2 Calibration Date: 10/27/2024 12:05

Instrument ID: CHAN.i Calib Start Date: 10/25/2024 18:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/26/2024 09:20

Lab File ID: 62676_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.244	1.352		10.9	10.0	8.7	30.0
Dichlorodifluoromethane	Ave	3.137	3.245		10.3	10.0	3.4	30.0
Freon 22	Ave	2.203	2.297		10.4	10.0	4.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.297	3.290		9.98	10.0	-0.2	30.0
Chloromethane	Ave	1.288	1.333		10.3	10.0	3.5	30.0
Vinyl chloride	Ave	1.052	1.019		9.68	10.0	-3.1	30.0
n-Butane	Ave	1.729	1.811		10.5	10.0	4.8	30.0
1,3-Butadiene	Ave	0.8743	0.8033		9.19	10.0	-8.1	30.0
Bromomethane	Ave	1.029	1.022		9.92	10.0	-0.7	30.0
Chloroethane	Ave	0.6642	0.6767		10.2	10.0	1.9	30.0
Isopentane	Ave	1.690	1.678		9.93	10.0	-0.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9305	0.9309		10.0	10.0	0.0	30.0
Trichlorofluoromethane	Ave	2.748	2.710		9.86	10.0	-1.4	30.0
n-Pentane	Ave	2.364	2.429		10.3	10.0	2.7	30.0
Ethanol	Ave	0.6666	0.6186		13.9	15.0	-7.2	30.0
Ethyl ether	Ave	0.8680	0.8633		9.94	10.0	-0.5	30.0
Acrolein	Ave	0.4253	0.4484		12.3	11.7	5.4	30.0
1,1-Dichloroethene	Ave	0.999	0.9817		9.82	10.0	-1.8	30.0
Freon TF	Ave	2.093	2.066		9.87	10.0	-1.3	30.0
Acetone	Ave	1.870	1.993		10.7	10.0	6.6	30.0
Isopropyl alcohol	Ave	1.908	2.044		12.4	11.6	7.1	30.0
Carbon disulfide	Ave	2.931	3.021		10.3	10.0	3.1	30.0
Acetonitrile	Ave	0.9603	0.9883		10.6	10.0	2.9	30.0
3-Chloropropene	Ave	1.656	1.649		9.96	10.0	-0.4	30.0
Methylene Chloride	Ave	1.345	1.350		10.0	10.0	0.4	30.0
tert-Butyl alcohol	Ave	2.314	2.454		10.6	10.0	6.1	30.0
Acrylonitrile	Ave	0.7949	0.8254		10.4	10.0	3.8	30.0
trans-1,2-Dichloroethene	Ave	1.634	1.593		9.74	10.0	-2.5	30.0
Methyl tert-butyl ether	Ave	3.081	3.035		9.85	10.0	-1.5	30.0
n-Hexane	Ave	1.729	1.709		9.88	10.0	-1.2	30.0
1,1-Dichloroethane	Ave	1.997	1.979		9.91	10.0	-0.9	30.0
Vinyl acetate	Ave	2.558	2.731		12.2	11.4	6.7	30.0
Methyl Ethyl Ketone	Ave	0.5158	0.5318		10.3	10.0	3.1	30.0
cis-1,2-Dichloroethene	Ave	1.065	1.026		9.63	10.0	-3.6	30.0
Ethyl acetate	Ave	0.0850	0.0905		10.6	10.0	6.4	30.0
Tetrahydrofuran	Ave	0.2640	0.2794		10.6	10.0	5.8	30.0
Chloroform	Ave	2.251	2.200		9.77	10.0	-2.3	30.0
1,1,1-Trichloroethane	Ave	0.4564	0.4413		9.67	10.0	-3.3	30.0
Cyclohexane	Ave	0.2673	0.2620		9.80	10.0	-2.0	30.0
Carbon tetrachloride	Ave	0.4385	0.4293		9.79	10.0	-2.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: CCVIS 200-210195/2 Calibration Date: 10/27/2024 12:05

Instrument ID: CHAN.i Calib Start Date: 10/25/2024 18:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/26/2024 09:20

Lab File ID: 62676_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.6479	0.6261		9.66	10.0	-3.4	30.0
1,2-Dichloroethane	Ave	0.3293	0.3210		9.75	10.0	-2.5	30.0
2,2,4-Trimethylpentane	Ave	1.098	1.086		9.89	10.0	-1.0	30.0
n-Heptane	Ave	0.4535	0.4455		9.82	10.0	-1.8	30.0
n-Butanol	Ave	0.1646	0.1723		10.5	10.0	4.6	30.0
Trichloroethene	Ave	0.2764	0.2748		9.94	10.0	-0.6	30.0
1,2-Dichloropropane	Ave	0.2545	0.2488		9.78	10.0	-2.2	30.0
Methyl methacrylate	Ave	0.2321	0.2394		10.3	10.0	3.2	30.0
1,4-Dioxane	Ave	0.1346	0.1313		9.76	10.0	-2.4	30.0
Dibromomethane	Ave	0.2106	0.2013		9.56	10.0	-4.4	30.0
Bromodichloromethane	Ave	0.4841	0.4793		9.90	10.0	-1.0	30.0
cis-1,3-Dichloropropene	Ave	0.4304	0.4269		9.92	10.0	-0.8	30.0
Methyl isobutyl ketone	Ave	0.5703	0.5831		10.2	10.0	2.2	30.0
Toluene	Ave	0.4965	0.4886		9.84	10.0	-1.6	30.0
n-Octane	Ave	0.6252	0.6117		9.78	10.0	-2.2	30.0
trans-1,3-Dichloropropene	Ave	0.3575	0.3519		9.84	10.0	-1.6	30.0
1,1,2-Trichloroethane	Ave	0.2590	0.2557		9.87	10.0	-1.3	30.0
Tetrachloroethene	Ave	0.3381	0.3358		9.93	10.0	-0.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6183	0.6379		10.3	10.0	3.2	30.0
Dibromochloromethane	Ave	0.4699	0.4753		10.1	10.0	1.2	30.0
1,2-Dibromoethane	Ave	0.4422	0.4372		9.88	10.0	-1.1	30.0
Chlorobenzene	Ave	0.6294	0.6138		9.75	10.0	-2.5	30.0
Ethylbenzene	Ave	1.122	1.100		9.80	10.0	-2.0	30.0
m,p-Xylene	Ave	0.3998	0.3881		19.4	20.0	-2.9	30.0
n-Nonane	Ave	0.6029	0.5870		9.73	10.0	-2.6	30.0
Xylene, o-	Ave	0.3917	0.3798		9.69	10.0	-3.0	30.0
Styrene	Ave	0.6468	0.6325		9.78	10.0	-2.2	30.0
Bromoform	Ave	0.3872	0.3916		10.1	10.0	1.1	30.0
Cumene	Ave	1.195	1.171		9.80	10.0	-2.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6813	0.6586		9.67	10.0	-3.3	30.0
1,2,3-Trichloropropane	Ave	0.5465	0.5472		10.0	10.0	0.1	30.0
n-Propylbenzene	Ave	1.503	1.476		9.82	10.0	-1.8	30.0
2-Chlorotoluene	Ave	0.9653	0.9371		9.71	10.0	-2.9	30.0
4-Ethyltoluene	Ave	1.174	1.142		9.72	10.0	-2.8	30.0
1,3,5-Trimethylbenzene	Ave	1.008	0.9766		9.69	10.0	-3.1	30.0
n-Decane	Ave	0.7428	0.7537		10.1	10.0	1.5	30.0
Alpha Methyl Styrene	Ave	0.5038	0.4969		9.86	10.0	-1.4	30.0
tert-Butylbenzene	Ave	0.9258	0.8977		9.69	10.0	-3.0	30.0
1,2,4-Trimethylbenzene	Ave	1.033	0.9883		9.57	10.0	-4.3	30.0
sec-Butylbenzene	Ave	1.447	1.409		9.74	10.0	-2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Lab Sample ID: CCVIS 200-210195/2 Calibration Date: 10/27/2024 12:05

Instrument ID: CHAN.i Calib Start Date: 10/25/2024 18:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/26/2024 09:20

Lab File ID: 62676_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.6361	0.6083		9.56	10.0	-4.4	30.0
4-Isopropyltoluene	Ave	1.203	1.171		9.73	10.0	-2.7	30.0
1,4-Dichlorobenzene	Ave	0.6368	0.6087		9.56	10.0	-4.4	30.0
Benzyl chloride	Ave	1.093	1.027		9.40	10.0	-6.0	30.0
n-Butylbenzene	Ave	1.297	1.248		9.62	10.0	-3.8	30.0
1,2-Dichlorobenzene	Ave	0.6145	0.5801		9.44	10.0	-5.6	30.0
n-Undecane	Ave	0.8238	0.8800		10.7	10.0	6.8	30.0
n-Dodecane	Ave	0.8482	0.9281		10.9	10.0	9.4	30.0
1,2,4-Trichlorobenzene	Ave	0.4703	0.4437		11.1	11.7	-5.6	30.0
Hexachlorobutadiene	Ave	0.3850	0.3542		10.3	11.2	-8.0	30.0
Naphthalene	Ave	1.278	1.133		10.5	11.9	-11.4	30.0
1,2,3-Trichlorobenzene	Ave	0.4773	0.4266		10.2	11.6	-10.6	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Oct-2024 12:05:21 ALS Bottle#: 0 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062676-002
Operator ID: wrd Instrument ID: CHAN.i
Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 11:01:01 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: B9LE Date: 27-Oct-2024 13:00:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	98	899479	10.0	10.9	
2 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	2159443	10.0	10.3	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	97	1528461	10.0	10.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	98	2189595	10.0	9.98	
11 BFB									
5 Chloromethane	50	4.941	4.941	0.000	99	887191	10.0	10.3	
6 Vinyl chloride	62	5.236	5.236	0.000	100	677883	10.0	9.68	
7 Butane	43	5.241	5.241	0.000	97	1205408	10.0	10.5	
8 Butadiene	54	5.353	5.353	0.000	97	534574	10.0	9.19	
9 Bromomethane	94	6.076	6.076	0.000	99	679843	10.0	9.92	
10 Chloroethane	64	6.348	6.348	0.000	100	450321	10.0	10.2	
12 2-Methylbutane	43	6.562	6.562	0.000	94	1116353	10.0	9.93	
13 Vinyl bromide	106	6.771	6.771	0.000	99	619527	10.0	10.0	
14 Trichlorofluoromethane	101	6.932	6.932	0.000	98	1803549	10.0	9.86	
15 Pentane	43	7.140	7.140	0.000	96	1616345	10.0	10.3	
16 Ethanol	45	7.295	7.295	0.000	97	617764	15.0	13.9	
18 Ethyl ether	59	7.547	7.547	0.000	97	574510	10.0	9.94	
19 Acrolein	56	7.782	7.782	0.000	97	349459	11.7	12.3	
20 1,1-Dichloroethene	96	7.991	7.991	0.000	92	653299	10.0	9.82	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.034	8.034	0.000	93	1375082	10.0	9.87	
22 Acetone	43	8.060	8.060	0.000	99	1326622	10.0	10.7	
23 Isopropyl alcohol	45	8.355	8.355	0.000	100	1576195	11.6	12.4	
24 Carbon disulfide	76	8.392	8.392	0.000	100	2010240	10.0	10.3	
25 Acetonitrile	41	8.558	8.558	0.000	98	657671	10.0	10.6	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	96	1097587	10.0	9.96	
27 Methylene Chloride	49	8.911	8.911	0.000	99	898443	10.0	10.0	
28 2-Methyl-2-propanol	59	9.120	9.120	0.000	99	1633096	10.0	10.6	
29 Acrylonitrile	53	9.302	9.302	0.000	93	549262	10.0	10.4	
30 trans-1,2-Dichloroethene	61	9.409	9.409	0.000	93	1059917	10.0	9.74	
31 Methyl tert-butyl ether	73	9.419	9.419	0.000	97	2019721	10.0	9.85	
32 Hexane	57	9.927	9.927	0.000	92	1137241	10.0	9.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.174	10.174	0.000	100	1317143	10.0	9.91	
34 Vinyl acetate	43	10.179	10.179	0.000	100	2069734	11.4	12.2	
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.4	
36 2-Butanone (MEK)	72	11.136	11.136	0.000	100	353929	10.0	10.3	
37 cis-1,2-Dichloroethene	96	11.163	11.163	0.000	99	682623	10.0	9.63	
38 Ethyl acetate	88	11.222	11.222	0.000	99	60208	10.0	10.6	
* 39 Chlorobromomethane	128	11.570	11.570	0.000	97	665611	10.0	10.0	
40 Tetrahydrofuran	42	11.618	11.618	0.000	94	930046	10.0	10.6	
41 Chloroform	83	11.752	11.752	0.000	97	1464198	10.0	9.77	
42 1,1,1-Trichloroethane	97	12.062	12.062	0.000	97	1468769	10.0	9.67	
43 Cyclohexane	84	12.206	12.206	0.000	94	872046	10.0	9.80	
44 Carbon tetrachloride	117	12.346	12.346	0.000	96	1428903	10.0	9.79	
45 Benzene	78	12.688	12.688	0.000	98	2084096	10.0	9.66	
46 1,2-Dichloroethane	62	12.752	12.752	0.000	92	1068348	10.0	9.75	
47 Isooctane	57	12.913	12.913	0.000	98	3616346	10.0	9.89	
48 n-Heptane	43	13.218	13.218	0.000	96	1482753	10.0	9.82	
* 49 1,4-Difluorobenzene	114	13.415	13.415	0.000	97	3329213	10.0	10.0	
50 n-Butanol	56	13.629	13.629	0.000	94	573401	10.0	10.5	
51 Trichloroethene	95	13.849	13.849	0.000	92	914562	10.0	9.94	
A 52 GRO	1	14.226	(6.552-21.900)		0	333790065	649.9	0	
53 1,2-Dichloropropane	63	14.304	14.304	0.000	89	828188	10.0	9.78	
54 Methyl methacrylate	69	14.389	14.389	0.000	91	796978	10.0	10.3	
55 1,4-Dioxane	88	14.432	14.432	0.000	98	437151	10.0	9.76	
57 Dibromomethane	174	14.459	14.459	0.000	90	669932	10.0	9.56	
58 Dichlorobromomethane	83	14.764	14.764	0.000	98	1595217	10.0	9.90	
59 cis-1,3-Dichloropropene	75	15.566	15.566	0.000	98	1421108	10.0	9.92	
A 60 TVOC as Toluene	1	15.579	(4.348-26.811)		0	509040179	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.828	15.828	0.000	97	1940939	10.0	10.2	
62 Toluene	92	16.213	16.213	0.000	93	1429166	10.0	9.84	
A 63 Toluene Range	1	16.219	(16.144-16.294)		0	6186905	NC	NC	
A 65 C8 Range	1	16.460	(16.379-16.540)		0	7406007	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	95	2036133	10.0	9.78	
66 trans-1,3-Dichloropropene	75	16.620	16.620	0.000	97	1171298	10.0	9.84	
67 1,1,2-Trichloroethane	83	16.994	16.994	0.000	98	747904	10.0	9.87	
68 Tetrachloroethene	166	17.203	17.203	0.000	90	982133	10.0	9.93	
69 2-Hexanone	43	17.406	17.406	0.000	92	1865839	10.0	10.3	
70 Chlorodibromomethane	129	17.727	17.727	0.000	97	1390320	10.0	10.1	
71 Ethylene Dibromide	107	17.968	17.968	0.000	98	1278666	10.0	9.88	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	91	2925552	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	90	1795447	10.0	9.75	
75 Ethylbenzene	91	19.140	19.140	0.000	100	3216430	10.0	9.80	
76 m-Xylene & p-Xylene	106	19.402	19.402	0.000	0	2270664	20.0	19.4	
77 n-Nonane	57	19.466	19.466	0.000	93	1716912	10.0	9.73	
S 80 Xylenes, Total	106				0		30.0	29.1	
78 o-Xylene	106	20.172	20.172	0.000	97	1110947	10.0	9.69	
79 Styrene	104	20.204	20.204	0.000	98	1850125	10.0	9.78	
81 Bromoform	173	20.541	20.541	0.000	92	1145375	10.0	10.1	
82 Isopropylbenzene	105	20.857	20.857	0.000	98	3424304	10.0	9.80	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	99	1926496	10.0	9.67	
84 1,2,3-Trichloropropane	75	21.456	21.456	0.000	98	1600528	10.0	10.0	
85 N-Propylbenzene	91	21.563	21.563	0.000	98	4317232	10.0	9.82	
86 2-Chlorotoluene	91	21.713	21.713	0.000	96	2741059	10.0	9.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.761	21.761	0.000	99	3340155	10.0	9.72	
88 1,3,5-Trimethylbenzene	105	21.852	21.852	0.000	91	2856534	10.0	9.69	
89 n-Decane	57	21.890	21.890	0.000	91	2204447	10.0	10.1	
90 Alpha Methyl Styrene	118	22.178	22.178	0.000	83	1453385	10.0	9.86	
91 tert-Butylbenzene	119	22.334	22.334	0.000	89	2625857	10.0	9.69	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	99	2890683	10.0	9.57	
93 sec-Butylbenzene	105	22.655	22.655	0.000	98	4120915	10.0	9.74	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	97	1779220	10.0	9.56	
95 4-Isopropyltoluene	119	22.869	22.869	0.000	96	3425146	10.0	9.73	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	90	1780506	10.0	9.56	
97 Benzyl chloride	91	23.109	23.109	0.000	97	3004316	10.0	9.40	
98 n-Butylbenzene	91	23.425	23.425	0.000	98	3649183	10.0	9.62	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	92	1696674	10.0	9.44	
100 Undecane	57	23.575	23.575	0.000	96	2574079	10.0	10.7	
101 Dodecane	57	25.164	25.164	0.000	94	2714661	10.0	10.9	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	93	1522488	11.7	11.1	
103 Hexachlorobutadiene	225	26.159	26.159	0.000	92	1164504	11.2	10.3	
104 Naphthalene	128	26.383	26.383	0.000	98	3940488	11.9	10.5	
105 1,2,3-Trichlorobenzene	180	26.801	26.801	0.000	93	1453546	11.6	10.2	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00830	Amount Added: 200.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

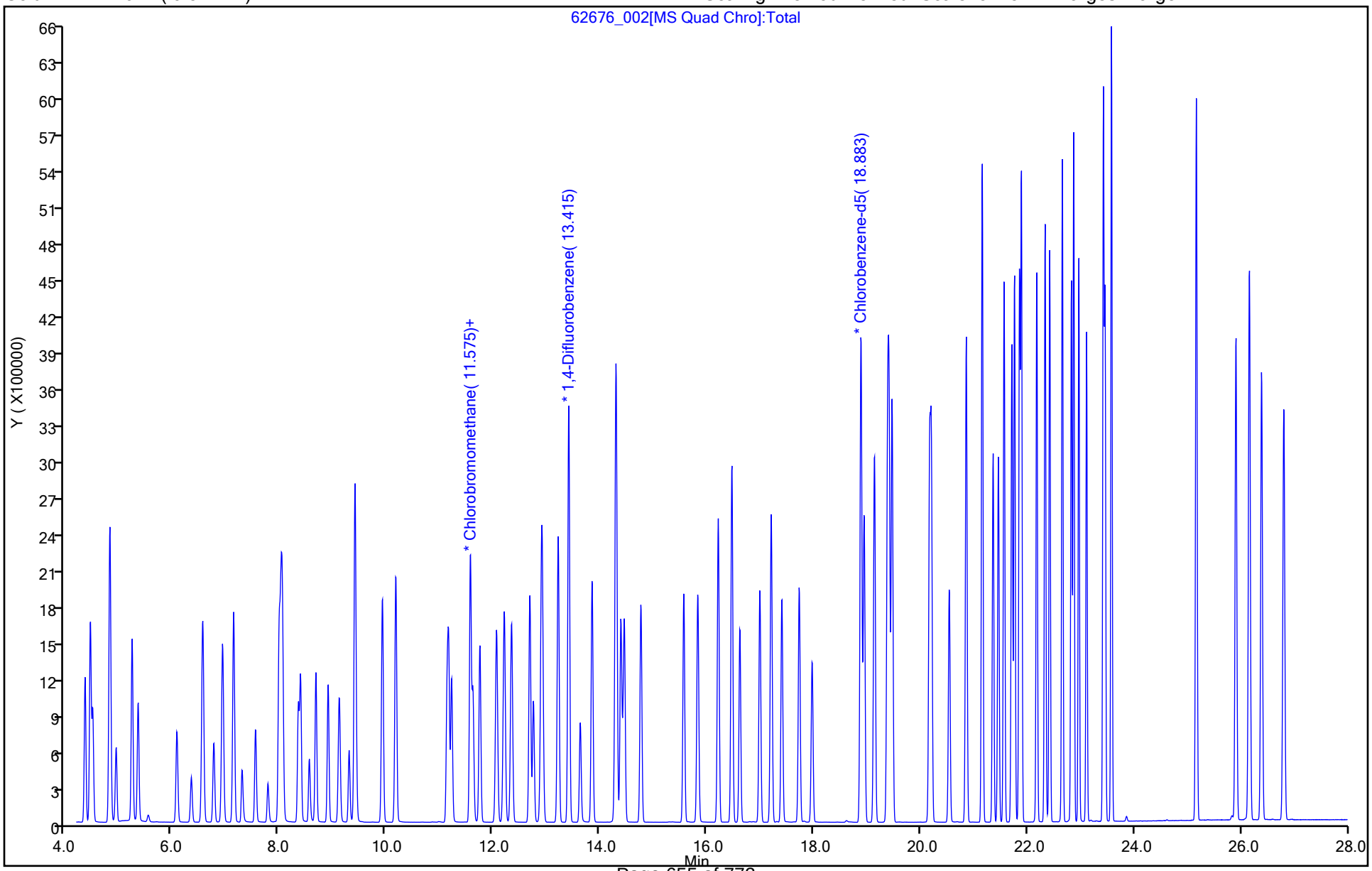
Report Date: 28-Oct-2024 11:01:02 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_002.D

Injection Date:	27-Oct-2024 12:05:21	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 16-Oct-2024 12:34:10 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0062526-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Oct-2024 08:41:56 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: BKZ7 Date: 23-Oct-2024 08:41:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
11 BFB									
* 39 Chlorobromomethane	128		11.687				10.0	ND	
* 49 1,4-Difluorobenzene	114		13.544				10.0	ND	
* 73 Chlorobenzene-d5	117		19.043				10.0	ND	

Reagents:

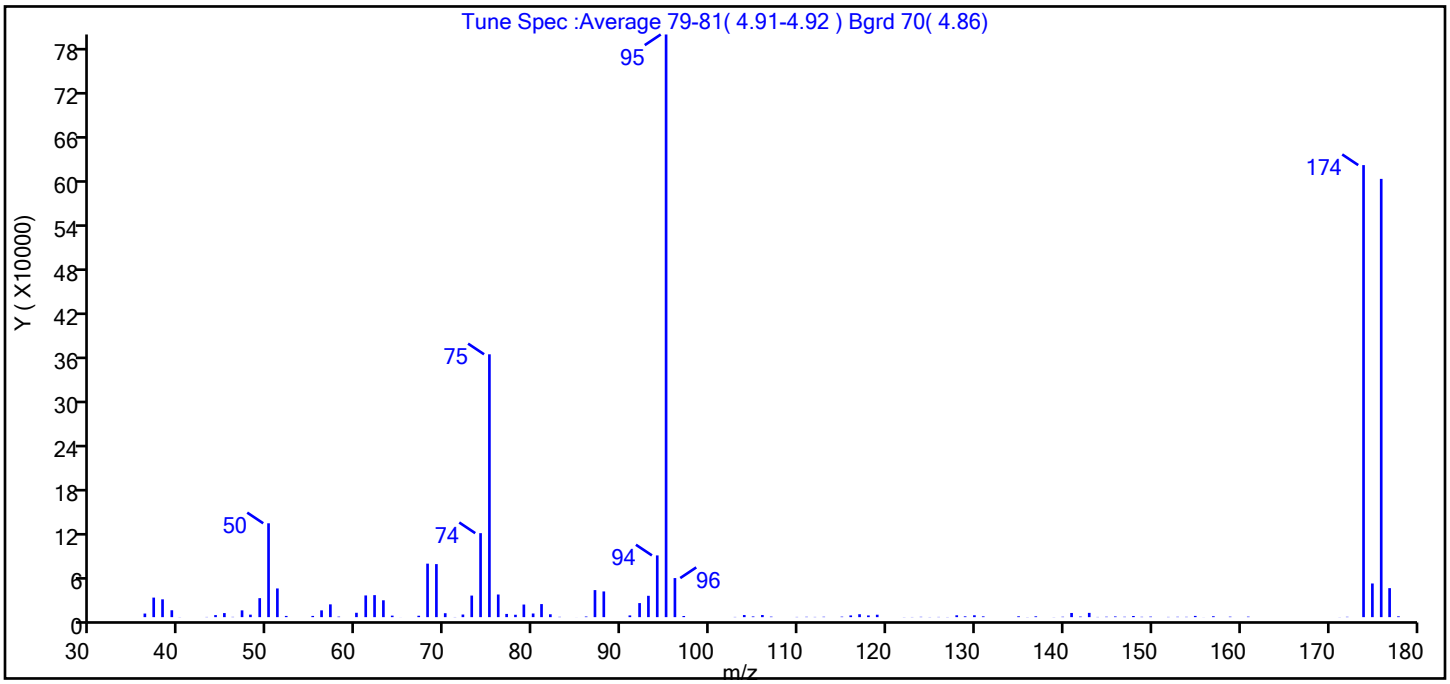
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_001.D
Injection Date: 16-Oct-2024 12:34:10 Instrument ID: CHAM.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	16.1
75	30.0 to 66.0 Percent of m/e 95	45.1
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	77.6
175	4.0 to 9.0 Percent of m/e 174	5.8 (7.4)
176	93.0 to 101.0 Percent of m/e 174	75.2 (97.0)
177	5.0 to 9.0 Percent of m/e 176	5.0 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_001.D\TO15_TO3_Master_Method_A
Injection Date: 16-Oct-2024 12:34:10
Spectrum: Tune Spec :Average 79-81(4.91-4.92) Bgrd 70(4.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4887	69.00	72152	104.00	2860	140.00	542
37.00	26576	70.00	5333	105.00	946	141.00	5677
38.00	24240	71.00	208	106.00	2891	142.00	739
39.00	9374	72.00	3566	107.00	671	143.00	5800
40.00	148	73.00	29336	110.00	304	144.00	283
43.00	282	74.00	114240	111.00	483	145.00	574
44.00	2781	75.00	357504	112.00	313	146.00	948
45.00	5529	76.00	30792	113.00	530	147.00	512
46.00	362	77.00	4389	115.00	677	148.00	1549
47.00	9222	78.00	3243	116.00	2334	149.00	450
48.00	3368	79.00	17152	117.00	3941	150.00	714
49.00	25824	80.00	4947	118.00	2321	152.00	320
50.00	127656	81.00	17776	119.00	3299	153.00	486
51.00	39032	82.00	3890	122.00	167	154.00	425
52.00	1656	83.00	407	123.00	221	155.00	1677
55.00	1674	85.00	58	124.00	437	156.00	89
56.00	9242	86.00	858	125.00	211	157.00	1209
57.00	17392	87.00	36776	126.00	305	159.00	647
58.00	717	88.00	34968	127.00	207	161.00	682
60.00	5930	91.00	2343	128.00	2521	171.00	132
61.00	29512	92.00	19112	129.00	1089	172.00	448
62.00	29936	93.00	29040	130.00	2546	174.00	614848
63.00	22928	94.00	83976	131.00	1053	175.00	45792
64.00	2053	95.00	792512	135.00	1156	176.00	596096
65.00	67	96.00	53152	136.00	166	177.00	39448
67.00	1889	97.00	1538	137.00	1138	178.00	1080
68.00	72768	103.00	293	139.00	152		

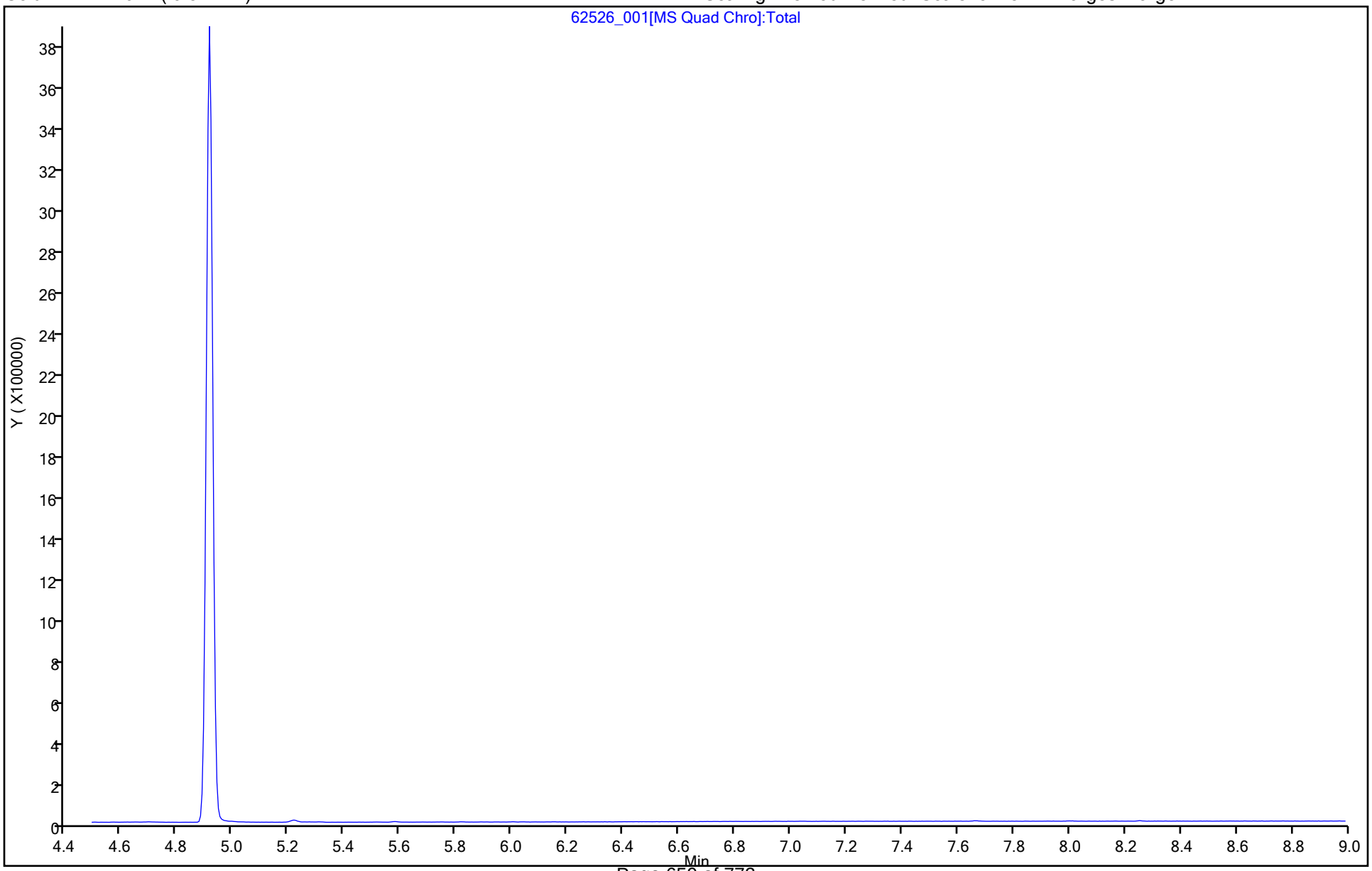
Report Date: 23-Oct-2024 08:41:57 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_001.D

Injection Date:	16-Oct-2024 12:34:10	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	200.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 25-Oct-2024 07:11:20 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0062652-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 27-Oct-2024 20:40:37 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: YWL8 Date: 27-Oct-2024 20:40:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
11 BFB									
* 39 Chlorobromomethane	128		11.682				10.0	ND	
* 49 1,4-Difluorobenzene	114		13.539				10.0	ND	
* 73 Chlorobenzene-d5	117		19.038				10.0	ND	

QC Flag Legend
Processing Flags

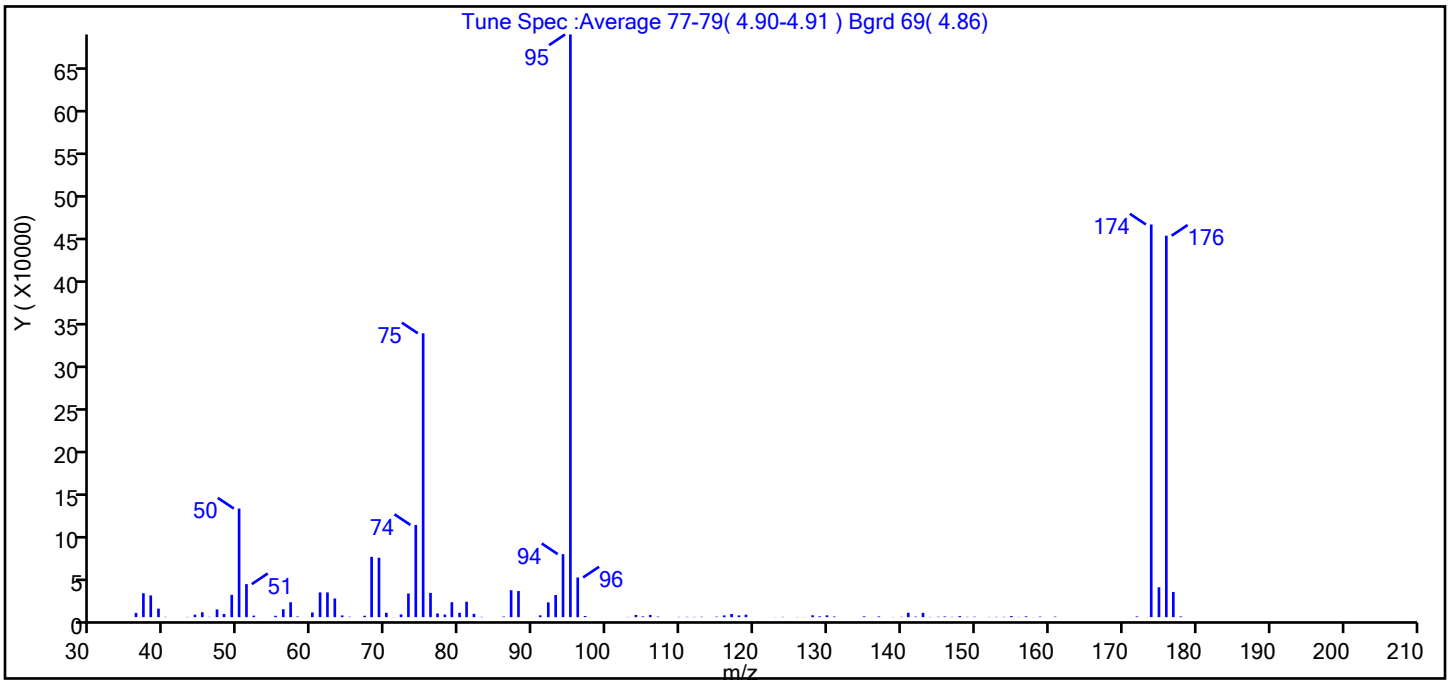
Reagents:
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_001.D
Injection Date: 25-Oct-2024 07:11:20 Instrument ID: CHAM.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	18.6
75	30.0 to 66.0 Percent of m/e 95	48.7
96	5.0 to 9.0 Percent of m/e 95	6.8
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	67.4
175	4.0 to 9.0 Percent of m/e 174	5.1 (7.6)
176	93.0 to 101.0 Percent of m/e 174	65.5 (97.1)
177	5.0 to 9.0 Percent of m/e 176	4.3 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_001.D\TO15_TO3_Master_Method_A
Injection Date: 25-Oct-2024 07:11:20
Spectrum: Tune Spec :Average 77-79(4.90-4.91) Bgrd 69(4.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4969	68.00	70680	104.00	2530	141.00	5098
37.00	28040	69.00	69560	105.00	870	142.00	646
38.00	25432	70.00	5074	106.00	2601	143.00	5044
39.00	9973	71.00	150	107.00	598	144.00	281
40.00	306	72.00	3188	110.00	297	145.00	477
43.00	292	73.00	27664	111.00	401	146.00	771
44.00	2886	74.00	107992	112.00	309	147.00	344
45.00	5702	75.00	332544	113.00	434	148.00	1251
46.00	344	76.00	28456	115.00	596	149.00	374
47.00	9036	77.00	4288	116.00	2018	150.00	503
48.00	3681	78.00	3015	117.00	3704	152.00	268
49.00	26112	79.00	17512	118.00	2045	153.00	376
50.00	127248	80.00	5084	119.00	2859	154.00	327
51.00	38696	81.00	18040	123.00	128	155.00	1241
52.00	1787	82.00	3857	124.00	333	156.00	258
53.00	50	83.00	348	126.00	234	157.00	933
55.00	1587	86.00	707	127.00	132	158.00	123
56.00	9234	87.00	31544	128.00	2174	159.00	610
57.00	17432	88.00	30584	129.00	919	161.00	624
58.00	758	91.00	2088	130.00	2116	171.00	73
60.00	5473	92.00	17288	131.00	773	172.00	846
61.00	29000	93.00	25872	134.00	69	174.00	460032
62.00	29008	94.00	73840	135.00	909	175.00	35000
63.00	21880	95.00	682624	136.00	137	176.00	446912
64.00	1993	96.00	46520	137.00	864	177.00	29528
65.00	453	97.00	1319	139.00	189	178.00	810
67.00	1637	103.00	249	140.00	367	207.00	38

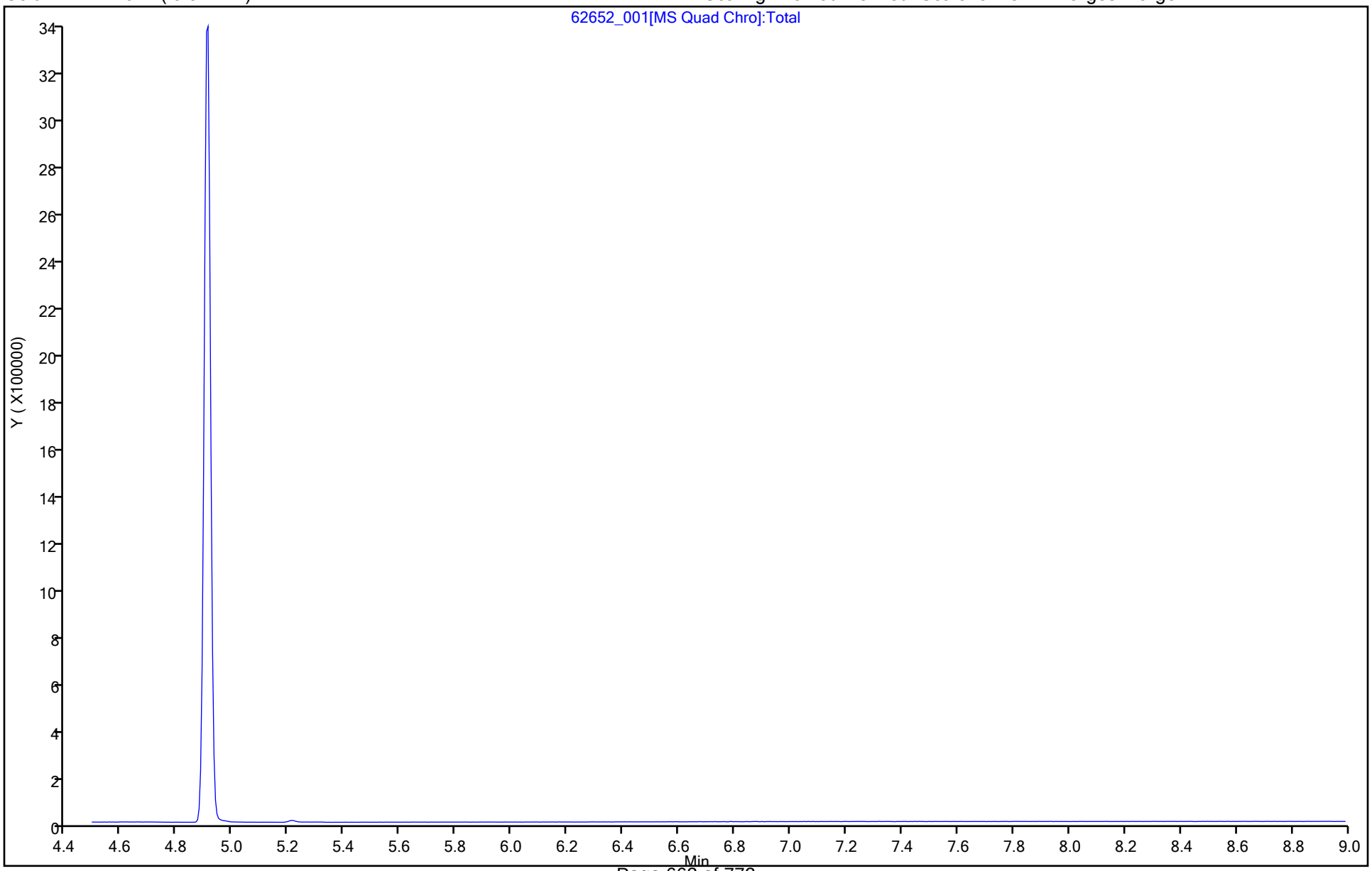
Report Date: 27-Oct-2024 20:40:37 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_001.D

Injection Date:	25-Oct-2024 07:11:20	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	200.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_002.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 25-Oct-2024 16:37:28 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0062629-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 10:17:54 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: BKZ7 Date: 28-Oct-2024 10:17:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
11 BFB									
* 39 Chlorobromomethane	128		11.575				10.0	ND	
* 49 1,4-Difluorobenzene	114		13.416				10.0	ND	
* 73 Chlorobenzene-d5	117		18.888				10.0	ND	

Reagents:

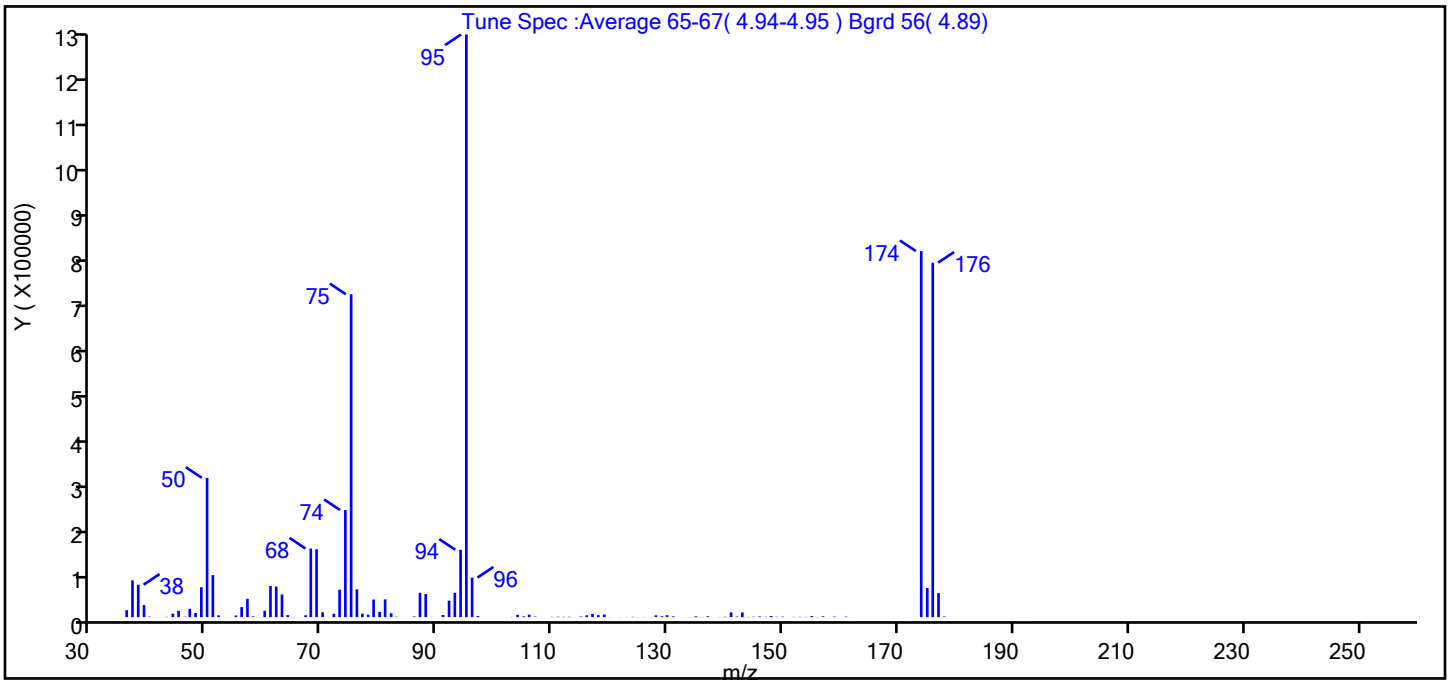
ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_002.D
Injection Date: 25-Oct-2024 16:37:28 Instrument ID: CHAN.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	23.9
75	30.0 to 66.0 Percent of m/e 95	55.4
96	5.0 to 9.0 Percent of m/e 95	6.8
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	62.8
175	4.0 to 9.0 Percent of m/e 174	5.0 (8.0)
176	93.0 to 101.0 Percent of m/e 174	60.8 (96.8)
177	5.0 to 9.0 Percent of m/e 176	4.1 (6.8)

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_002.D\TO15_TO3_Master_Method_A
Injection Date: 25-Oct-2024 16:37:28
Spectrum: Tune Spec :Average 65-67(4.94-4.95) Bgrd 56(4.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	14563	68.00	142720	107.00	1132	142.00	1240
37.00	76344	69.00	141312	110.00	638	143.00	9833
38.00	67448	70.00	10063	111.00	912	144.00	568
39.00	25200	71.00	205	112.00	719	145.00	871
40.00	1034	72.00	7055	113.00	838	146.00	1531
41.00	111	73.00	57064	115.00	1282	147.00	788
43.00	693	74.00	222848	116.00	3945	148.00	2434
44.00	7305	75.00	671872	117.00	6776	149.00	713
45.00	13165	76.00	57776	118.00	4192	150.00	1007
46.00	819	77.00	7347	119.00	5415	152.00	466
47.00	17248	78.00	5106	120.00	199	153.00	755
48.00	8648	79.00	36664	122.00	243	154.00	541
49.00	62240	80.00	10942	123.00	339	155.00	2246
50.00	289856	81.00	37048	124.00	663	156.00	406
51.00	87480	82.00	8070	125.00	351	157.00	1760
52.00	3694	83.00	824	126.00	453	158.00	80
53.00	200	86.00	1367	127.00	361	159.00	1079
55.00	3558	87.00	50656	128.00	3812	161.00	1034
56.00	20816	88.00	48104	129.00	1870	162.00	55
57.00	38064	91.00	4439	130.00	4032	171.00	125
58.00	1540	92.00	34240	131.00	1632	174.00	761600
59.00	338	93.00	50672	132.00	227	175.00	60880
60.00	13131	94.00	140160	133.00	121	176.00	737536
61.00	64872	95.00	1212416	134.00	298	177.00	49992
62.00	63600	96.00	82216	135.00	1800	178.00	1328
63.00	47168	97.00	2349	136.00	328	191.00	103
64.00	4254	103.00	550	137.00	1801	193.00	125
65.00	265	104.00	4855	139.00	383	208.00	40
66.00	179	105.00	1613	140.00	858	260.00	73
67.00	3928	106.00	5176	141.00	9886		

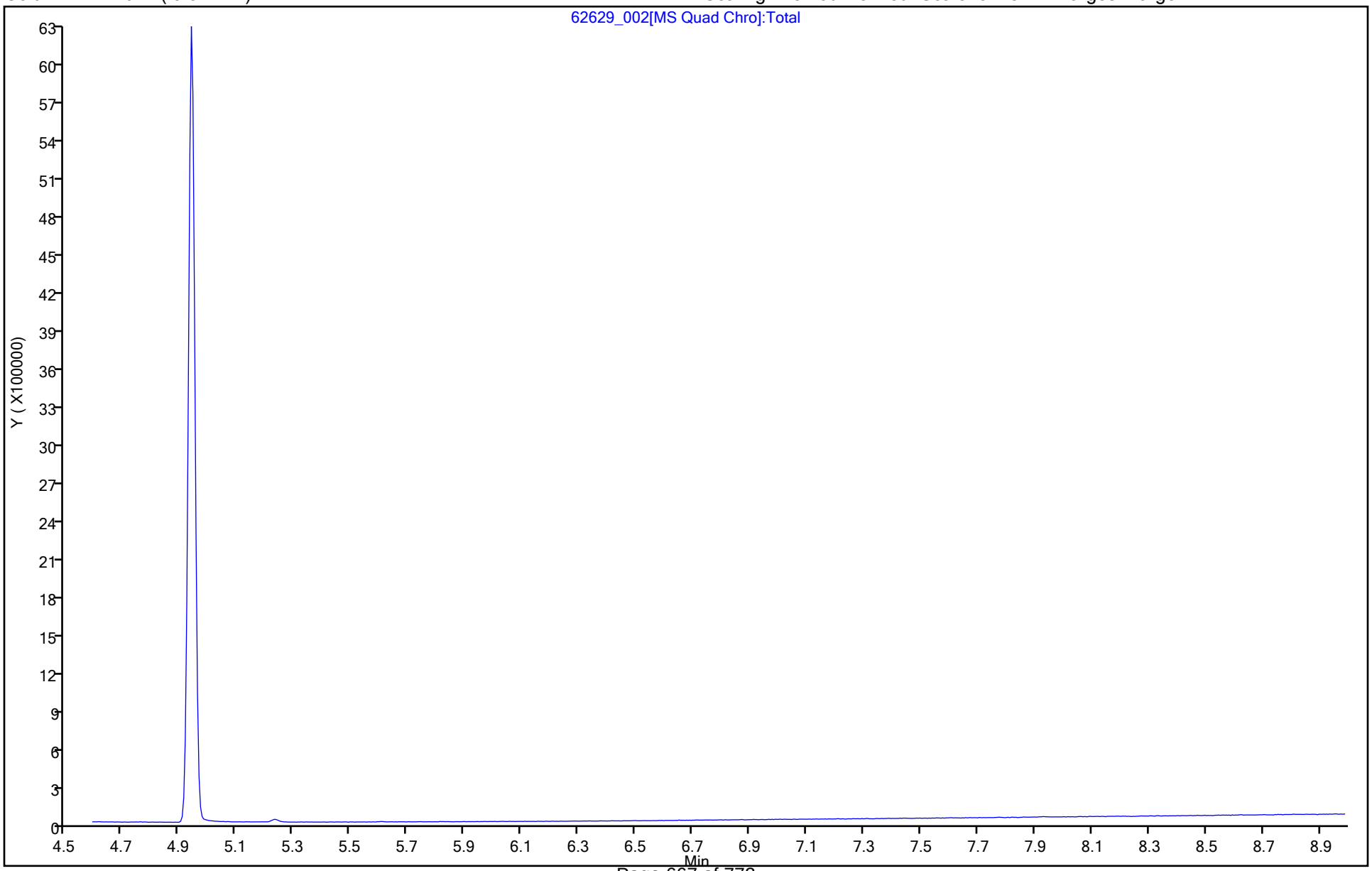
Report Date: 28-Oct-2024 10:17:54 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_002.D

Injection Date:	25-Oct-2024 16:37:28	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	bfb			Worklist Smp#:	2
Client ID:					
Injection Vol:	200.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 27-Oct-2024 11:17:49 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0062676-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 11:01:00 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: YWL8 Date: 28-Oct-2024 07:03:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
11 BFB									
* 39 Chlorobromomethane	128		11.575				10.0	ND	
* 49 1,4-Difluorobenzene	114		13.415				10.0	ND	
* 73 Chlorobenzene-d5	117		18.888				10.0	ND	

QC Flag Legend
Processing Flags

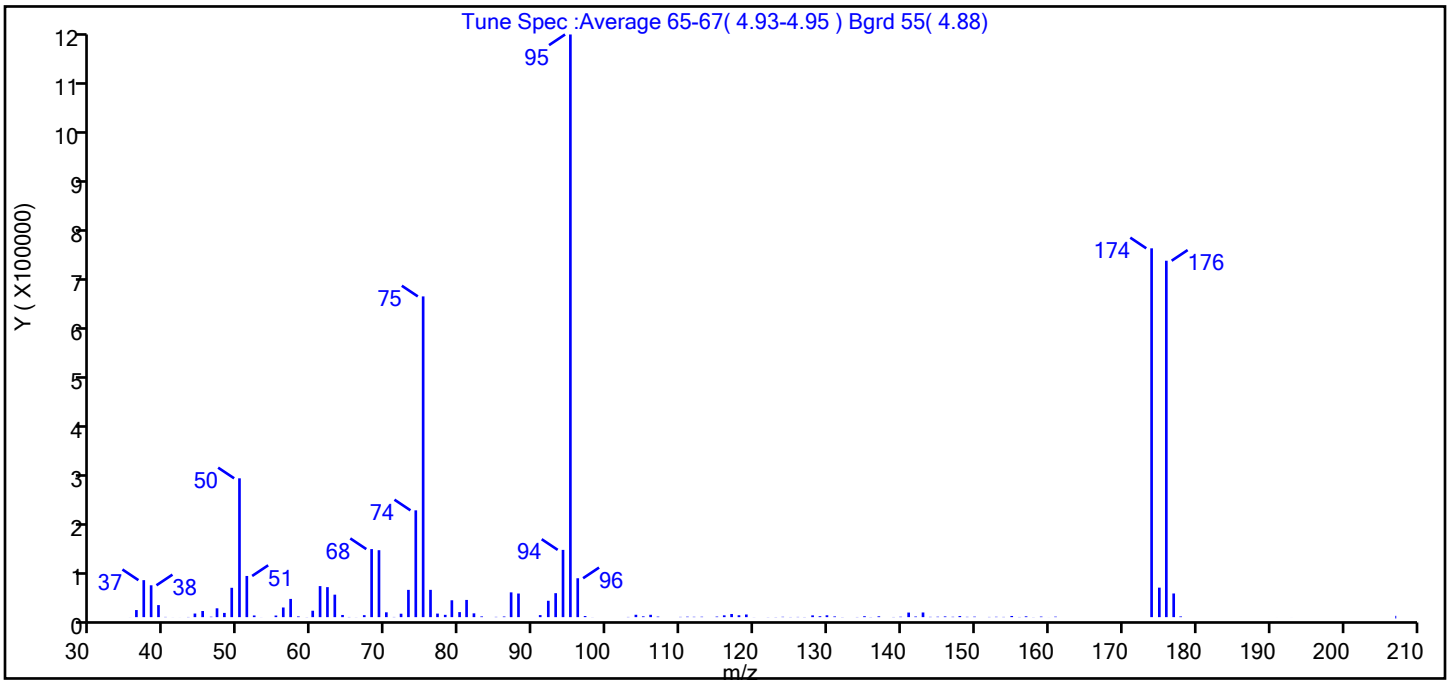
Reagents:
ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_001.D				
Injection Date:	27-Oct-2024 11:17:49	Instrument ID:	CHAN.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	200.0 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	23.8
75	30.0 to 66.0 Percent of m/e 95	55.0
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	63.3
175	4.0 to 9.0 Percent of m/e 174	5.1 (8.0)
176	93.0 to 101.0 Percent of m/e 174	61.2 (96.6)
177	5.0 to 9.0 Percent of m/e 176	4.1 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_001.D\TO15_TO3_Master_Method_A
Injection Date: 27-Oct-2024 11:17:49
Spectrum: Tune Spec :Average 65-67(4.93-4.95) Bgrd 55(4.88)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

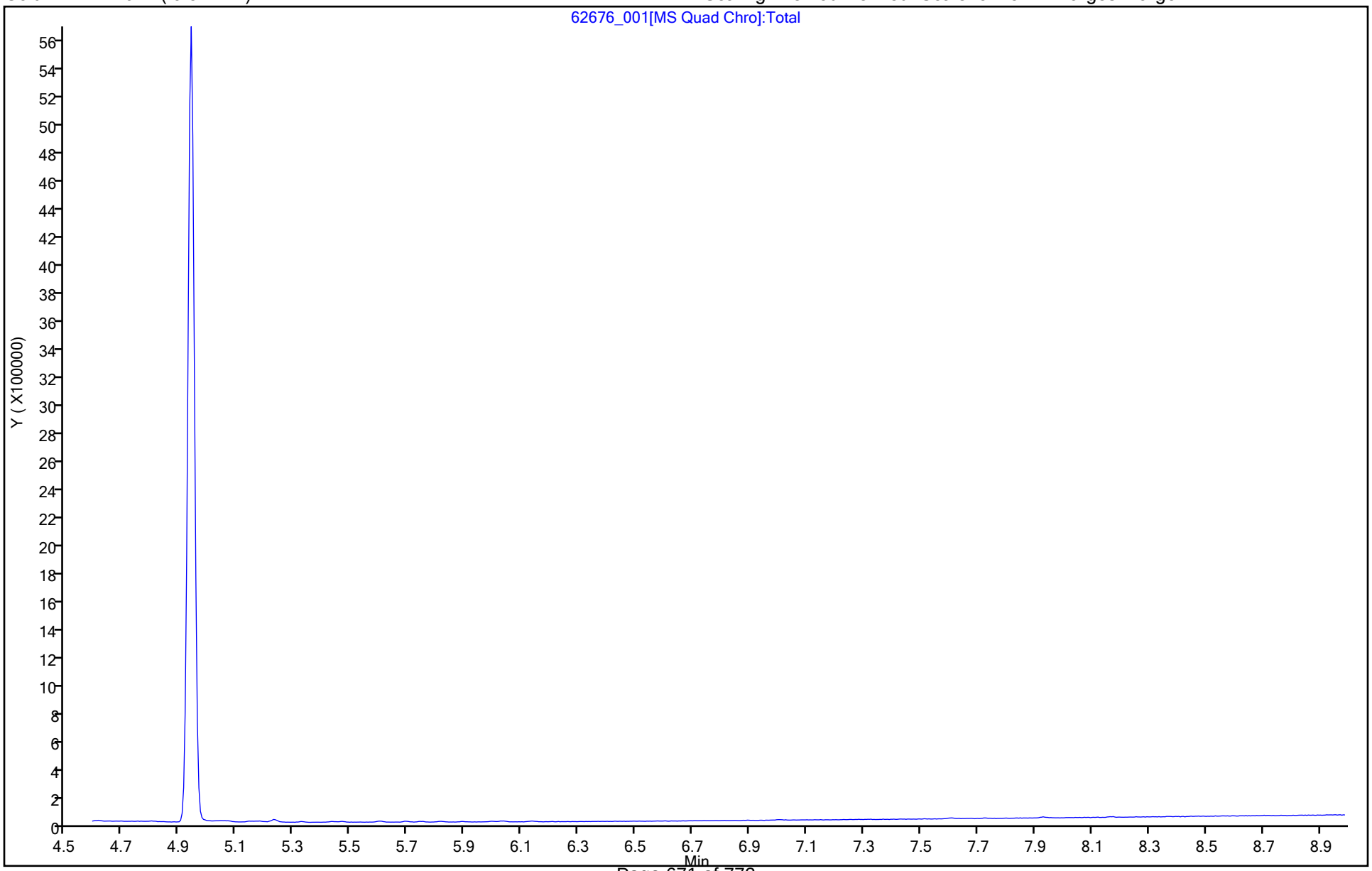
m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	84	66.00	140	103.00	395	139.00	315
36.00	13542	67.00	3768	104.00	4542	140.00	765
37.00	70592	68.00	129880	105.00	1508	141.00	8746
38.00	60792	69.00	127760	106.00	4495	142.00	1208
39.00	22992	70.00	9224	107.00	992	143.00	8904
40.00	439	71.00	370	110.00	490	144.00	566
41.00	82	72.00	6557	111.00	891	145.00	802
42.00	56	73.00	52056	112.00	651	146.00	1391
43.00	340	74.00	203840	113.00	788	147.00	681
44.00	6885	75.00	612160	115.00	1111	148.00	2088
45.00	11686	76.00	52088	116.00	3450	149.00	594
46.00	799	77.00	6808	117.00	6027	150.00	950
47.00	16880	78.00	4416	118.00	3621	152.00	405
48.00	8086	79.00	32200	119.00	5039	153.00	690
49.00	56016	80.00	9615	120.00	146	154.00	445
50.00	264960	81.00	32856	122.00	207	155.00	2221
51.00	78600	82.00	7253	123.00	279	156.00	320
52.00	3200	83.00	1387	124.00	664	157.00	1565
53.00	99	85.00	525	125.00	302	158.00	189
55.00	3077	86.00	1221	126.00	429	159.00	1056
56.00	18424	87.00	47304	127.00	286	160.00	59
57.00	34808	88.00	45088	128.00	3392	161.00	937
58.00	1339	91.00	3909	129.00	1733	174.00	703936
59.00	193	92.00	31248	130.00	3538	175.00	56304
60.00	12244	93.00	45736	131.00	1383	176.00	680256
61.00	59248	94.00	128376	132.00	245	177.00	45168
62.00	57264	95.00	1112064	134.00	310	178.00	1312
63.00	42912	96.00	74264	135.00	1761	191.00	20
64.00	4139	97.00	2126	136.00	278	193.00	34
65.00	320	98.00	138	137.00	1584	207.00	2

Report Date: 28-Oct-2024 11:01:00 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_001.D				
Injection Date:	27-Oct-2024 11:17:49	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	200.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210137/4

Matrix: Air Lab File ID: 62652_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 09:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	1.2	U	1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	12	U	12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210137/4

Matrix: Air Lab File ID: 62652_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 09:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18
71-43-2	Benzene	78.11	0.64	U	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.75	U	0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.30
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210137/4

Matrix: Air Lab File ID: 62652_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 09:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210137/4

Matrix: Air Lab File ID: 62652_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 09:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	0.50	U	0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	5.0	U	5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.50	U	0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210137/4

Matrix: Air Lab File ID: 62652_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 09:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038
71-43-2	Benzene	78.11	0.20	U	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.20	U	0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210137/4

Matrix: Air Lab File ID: 62652_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 09:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 25-Oct-2024 09:41:42 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062652-004
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 27-Oct-2024 20:41:08 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: YWL8 Date: 27-Oct-2024 20:42:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.283					ND	7
2 Dichlorodifluoromethane	85		4.380					ND	
3 Chlorodifluoromethane	51		4.433					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.754					ND	
5 Chloromethane	50		4.883					ND	7
7 Butane	43		5.188					ND	7
6 Vinyl chloride	62		5.188					ND	
8 Butadiene	54		5.305					ND	
9 Bromomethane	94		6.054					ND	
10 Chloroethane	64		6.332					ND	
12 2-Methylbutane	43		6.541					ND	
13 Vinyl bromide	106		6.766					ND	
14 Trichlorofluoromethane	101		6.926					ND	
15 Pentane	43		7.135					ND	
16 Ethanol	45		7.333					ND	
18 Ethyl ether	59		7.563					ND	
19 Acrolein	56		7.825					ND	
20 1,1-Dichloroethene	96		8.012					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.050					ND	
22 Acetone	43		8.109					ND	7
23 Isopropyl alcohol	45		8.413					ND	
24 Carbon disulfide	76		8.419					ND	7
25 Acetonitrile	41		8.633					ND	
26 3-Chloro-1-propene	41		8.729					ND	
27 Methylene Chloride	49		8.970					ND	7
28 2-Methyl-2-propanol	59		9.200					ND	
29 Acrylonitrile	53		9.393					ND	
30 trans-1,2-Dichloroethene	61		9.462					ND	
31 Methyl tert-butyl ether	73		9.467					ND	
32 Hexane	57		9.976					ND	
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
33 1,1-Dichloroethane	63		10.254					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		10.259					ND	
36 2-Butanone (MEK)	72		11.244					ND	
37 cis-1,2-Dichloroethene	96		11.265					ND	
38 Ethyl acetate	88		11.318					ND	
* 39 Chlorobromomethane	128	11.682	11.682	0.000	90	337783	10.0	10.0	
40 Tetrahydrofuran	42		11.714					ND	
41 Chloroform	83		11.864					ND	
42 1,1,1-Trichloroethane	97		12.164					ND	
43 Cyclohexane	84		12.292					ND	
44 Carbon tetrachloride	117		12.437					ND	
45 Benzene	78		12.795					ND	7
46 1,2-Dichloroethane	62		12.881					ND	
47 Isooctane	57		12.998					ND	
48 n-Heptane	43		13.309					ND	7
* 49 1,4-Difluorobenzene	114	13.539	13.539	0.000	95	1593678	10.0	10.0	
50 n-Butanol	56		13.785					ND	7
51 Trichloroethene	95		13.972					ND	
A 52 GRO	1	14.266	(6.531-22.001)		0	5215471		0	
53 1,2-Dichloropropane	63		14.437					ND	
54 Methyl methacrylate	69		14.518					ND	
55 1,4-Dioxane	88		14.566					ND	
57 Dibromomethane	174		14.598					ND	7
58 Dichlorobromomethane	83		14.913					ND	
A 60 TVOC as Toluene	1	15.646	(4.273-27.019)		0	5408005		0	
59 cis-1,3-Dichloropropene	75		15.716					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.983					ND	
62 Toluene	92		16.347					ND	
A 63 Toluene Range	1	16.358	(16.278-16.438)		0	1980		NC	
64 n-Octane	43		16.583					ND	
A 65 C8 Range	1	16.588	(16.502-16.674)		0	3963		NC	
66 trans-1,3-Dichloropropene	75		16.775					ND	
67 1,1,2-Trichloroethane	83		17.155					ND	
68 Tetrachloroethene	166		17.337					ND	
69 2-Hexanone	43		17.567					ND	
70 Chlorodibromomethane	129		17.893					ND	
71 Ethylene Dibromide	107		18.129					ND	7
* 73 Chlorobenzene-d5	117	19.043	19.038	0.005	88	1423485	10.0	10.0	
74 Chlorobenzene	112		19.102					ND	7
75 Ethylbenzene	91		19.284					ND	7
76 m-Xylene & p-Xylene	106		19.552					ND	
77 n-Nonane	57		19.595					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.317					ND	
79 Styrene	104		20.354					ND	7
81 Bromoform	173		20.697					ND	
82 Isopropylbenzene	105		20.985					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.510					ND	7
84 1,2,3-Trichloropropane	75		21.606					ND	
85 N-Propylbenzene	91		21.686					ND	7
86 2-Chlorotoluene	91		21.836					ND	7
87 4-Ethyltoluene	105		21.879					ND	7
88 1,3,5-Trimethylbenzene	105		21.970					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.991					ND	
90 Alpha Methyl Styrene	118		22.296					ND	
91 tert-Butylbenzene	119		22.446					ND	
92 1,2,4-Trimethylbenzene	105		22.532					ND	7
93 sec-Butylbenzene	105		22.767					ND	7
94 1,3-Dichlorobenzene	146		22.943					ND	7
95 4-Isopropyltoluene	119		22.976					ND	
96 1,4-Dichlorobenzene	146		23.083					ND	7
97 Benzyl chloride	91		23.232					ND	7
98 n-Butylbenzene	91		23.543					ND	7
99 1,2-Dichlorobenzene	146		23.585					ND	7
100 Undecane	57		23.676					ND	7
101 Dodecane	57		25.297					ND	
102 1,2,4-Trichlorobenzene	180		26.084					ND	7
103 Hexachlorobutadiene	225		26.330					ND	7
104 Naphthalene	128		26.581					ND	7
105 1,2,3-Trichlorobenzene	180		27.009					ND	7
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

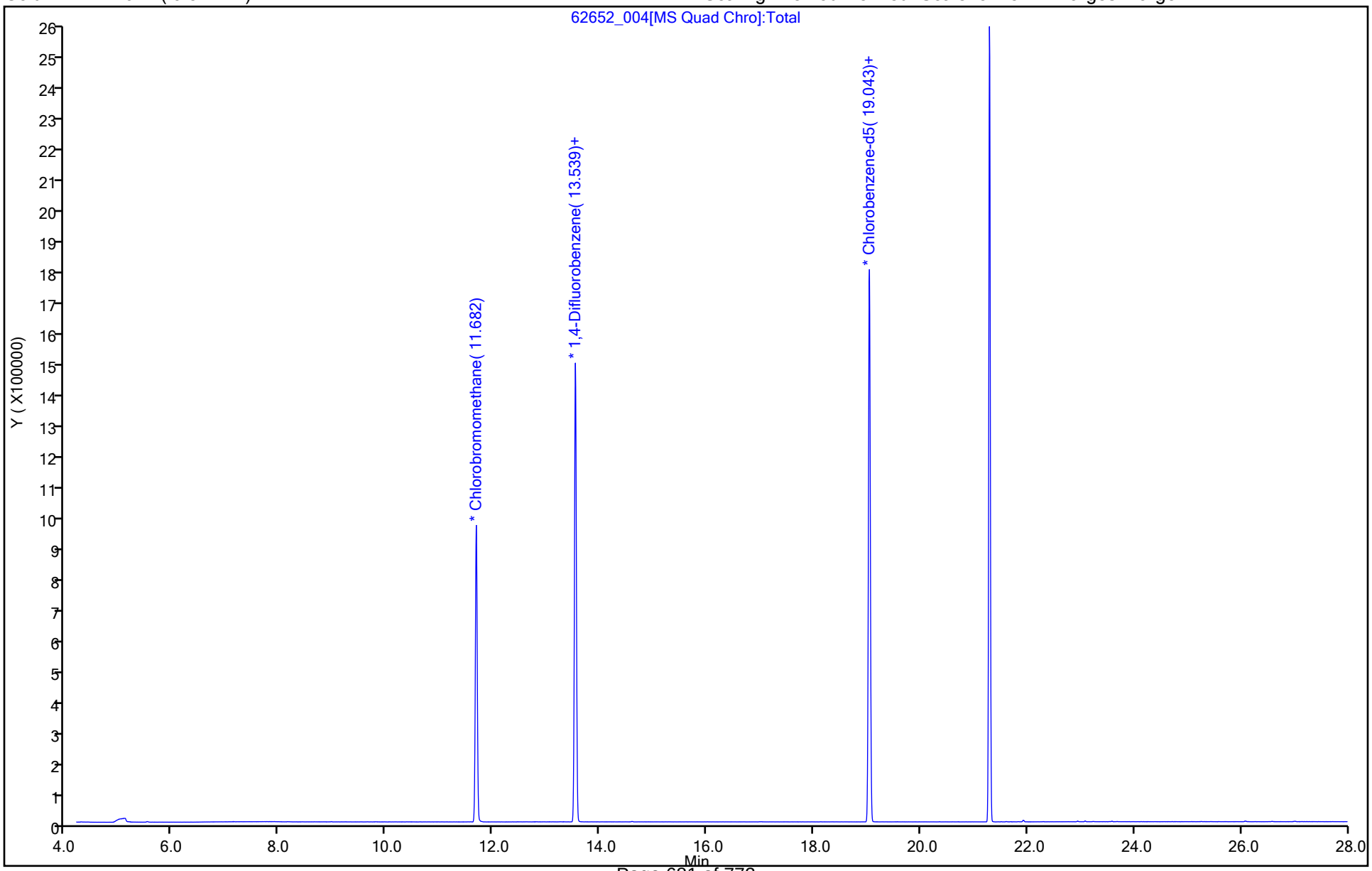
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 27-Oct-2024 20:42:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_004.D				
Injection Date:	25-Oct-2024 09:41:42	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-75561-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-210195/4

Matrix: Air | Lab File ID: 62676_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 10/27/2024 13:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 210195 | Units: ug/m3

Preparation Batch No.: | Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	1.2	U	1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	12	U	12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210195/4

Matrix: Air Lab File ID: 62676_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/27/2024 13:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18
71-43-2	Benzene	78.11	0.64	U	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.75	U	0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.30
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210195/4

Matrix: Air Lab File ID: 62676_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/27/2024 13:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210195/4

Matrix: Air Lab File ID: 62676_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/27/2024 13:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	0.50	U	0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	5.0	U	5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.50	U	0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210195/4

Matrix: Air Lab File ID: 62676_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/27/2024 13:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038
71-43-2	Benzene	78.11	0.20	U	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.20	U	0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-210195/4

Matrix: Air Lab File ID: 62676_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/27/2024 13:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 27-Oct-2024 13:48:25 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062676-004
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 11:01:03 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: YWL8 Date: 28-Oct-2024 08:27:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.358					ND	7
2 Dichlorodifluoromethane	85		4.454					ND	7
3 Chlorodifluoromethane	51		4.503					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.824					ND	7
5 Chloromethane	50		4.941					ND	7
6 Vinyl chloride	62		5.235					ND	7
7 Butane	43		5.241					ND	7
8 Butadiene	54		5.348					ND	7
9 Bromomethane	94		6.075					ND	7
10 Chloroethane	64		6.348					ND	
12 2-Methylbutane	43		6.562					ND	7
13 Vinyl bromide	106		6.771					ND	7
14 Trichlorofluoromethane	101		6.931					ND	7
15 Pentane	43		7.140					ND	7
16 Ethanol	45		7.295					ND	7
18 Ethyl ether	59		7.552					ND	7
19 Acrolein	56		7.782					ND	
20 1,1-Dichloroethene	96		7.991					ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.033					ND	7
22 Acetone	43		8.060					ND	7
23 Isopropyl alcohol	45		8.349					ND	7
24 Carbon disulfide	76		8.392					ND	7
25 Acetonitrile	41		8.558					ND	7
26 3-Chloro-1-propene	41		8.681					ND	7
27 Methylene Chloride	49		8.911					ND	7
28 2-Methyl-2-propanol	59		9.119					ND	7
29 Acrylonitrile	53		9.301					ND	7
30 trans-1,2-Dichloroethene	61		9.408					ND	7
31 Methyl tert-butyl ether	73		9.419					ND	7
32 Hexane	57		9.927					ND	7
33 1,1-Dichloroethane	63		10.173					ND	7
34 Vinyl acetate	43		10.179					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
36 2-Butanone (MEK)	72		11.136					ND	
37 cis-1,2-Dichloroethene	96		11.168					ND	7
38 Ethyl acetate	88		11.227					ND	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	681444	10.0	10.0	
40 Tetrahydrofuran	42		11.618					ND	7
41 Chloroform	83	11.746	11.752	-0.006	1	903		0.005886	7M
42 1,1,1-Trichloroethane	97		12.062					ND	7
43 Cyclohexane	84		12.206					ND	7
44 Carbon tetrachloride	117		12.345					ND	MU
45 Benzene	78	12.688	12.688	0.000	83	3631		0.0163	
46 1,2-Dichloroethane	62		12.752					ND	
47 Isooctane	57	12.902	12.912	-0.010	6	2097		0.005572	7M
48 n-Heptane	43		13.217					ND	7
* 49 1,4-Difluorobenzene	114	13.415	13.415	0.000	97	3428193	10.0	10.0	
50 n-Butanol	56		13.629					ND	MU
51 Trichloroethene	95		13.849					ND	MU
A 52 GRO	1	14.226	(6.552-21.899)		0	11694048		0	
53 1,2-Dichloropropane	63		14.303					ND	
54 Methyl methacrylate	69		14.389					ND	
55 1,4-Dioxane	88		14.432					ND	7
57 Dibromomethane	174	14.459	14.459	0.001	84	2143		0.0297	
58 Dichlorobromomethane	83	14.764	14.769	-0.005	1	1073		0.006466	7M
59 cis-1,3-Dichloropropene	75		15.571					ND	7
A 60 TVOC as Toluene	1	15.579	(4.348-26.810)		0	11717905		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.828					ND	7
62 Toluene	92	16.219	16.213	0.006	92	1570		0.0106	7M
A 63 Toluene Range	1	16.229	(16.144-16.315)		0	11386		NC	
A 65 C8 Range	1	16.465	(16.390-16.540)		0	10570		NC	
64 n-Octane	43		16.470					ND	7
66 trans-1,3-Dichloropropene	75	16.625	16.620	0.005	88	1782		0.0145	
67 1,1,2-Trichloroethane	83		16.994					ND	
68 Tetrachloroethene	166		17.208					ND	7
69 2-Hexanone	43		17.406					ND	7
70 Chlorodibromomethane	129		17.733					ND	7
71 Ethylene Dibromide	107	17.968	17.973	-0.005	75	1428		0.0108	
* 73 Chlorobenzene-d5	117	18.883	18.888	-0.005	92	2978192	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	81	2466		0.0132	
75 Ethylbenzene	91	19.145	19.140	0.005	94	3366		0.0101	
76 m-Xylene & p-Xylene	106	19.407	19.402	0.005	0	2472		0.0208	M
77 n-Nonane	57		19.466					ND	MU
S 80 Xylenes, Total	106				0			0.0310	
78 o-Xylene	106	20.167	20.172	-0.005	92	1192		0.0102	
79 Styrene	104	20.215	20.204	0.011	91	2696		0.0140	M
81 Bromoform	173		20.541					ND	7
82 Isopropylbenzene	105	20.857	20.857	0.000	96	3793		0.0107	
83 1,1,2,2-Tetrachloroethane	83		21.360					ND	7
84 1,2,3-Trichloropropane	75		21.461					ND	7
85 N-Propylbenzene	91	21.563	21.568	-0.005	97	6134		0.0137	
86 2-Chlorotoluene	91		21.713					ND	7
87 4-Ethyltoluene	105	21.761	21.761	0.000	97	5312		0.0152	
88 1,3,5-Trimethylbenzene	105	21.852	21.852	0.000	90	4038		0.0135	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.884	21.889	-0.005	26	2884		0.0130	7M
90 Alpha Methyl Styrene	118	22.178	22.178	0.000	80	2295		0.0153	
91 tert-Butylbenzene	119	22.328	22.333	-0.005	88	3571		0.0130	
92 1,2,4-Trimethylbenzene	105	22.424	22.419	0.005	97	5354		0.0174	
93 sec-Butylbenzene	105	22.660	22.654	0.006	97	6342		0.0147	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	96	4580		0.0242	
95 4-Isopropyltoluene	119	22.868	22.868	0.000	95	5908		0.0165	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	88	5390		0.0284	
97 Benzyl chloride	91	23.109	23.109	0.000	97	7661		0.0235	
98 n-Butylbenzene	91	23.425	23.425	0.000	96	7339		0.0190	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	90	4786		0.0262	
100 Undecane	57		23.575					ND	7
101 Dodecane	57		25.163					ND	7
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	90	7851		0.0561	
103 Hexachlorobutadiene	225	26.159	26.158	0.001	84	2274		0.0198	
104 Naphthalene	128	26.383	26.389	-0.005	97	15820		0.0416	
105 1,2,3-Trichlorobenzene	180	26.806	26.800	0.006	91	5756		0.0396	
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

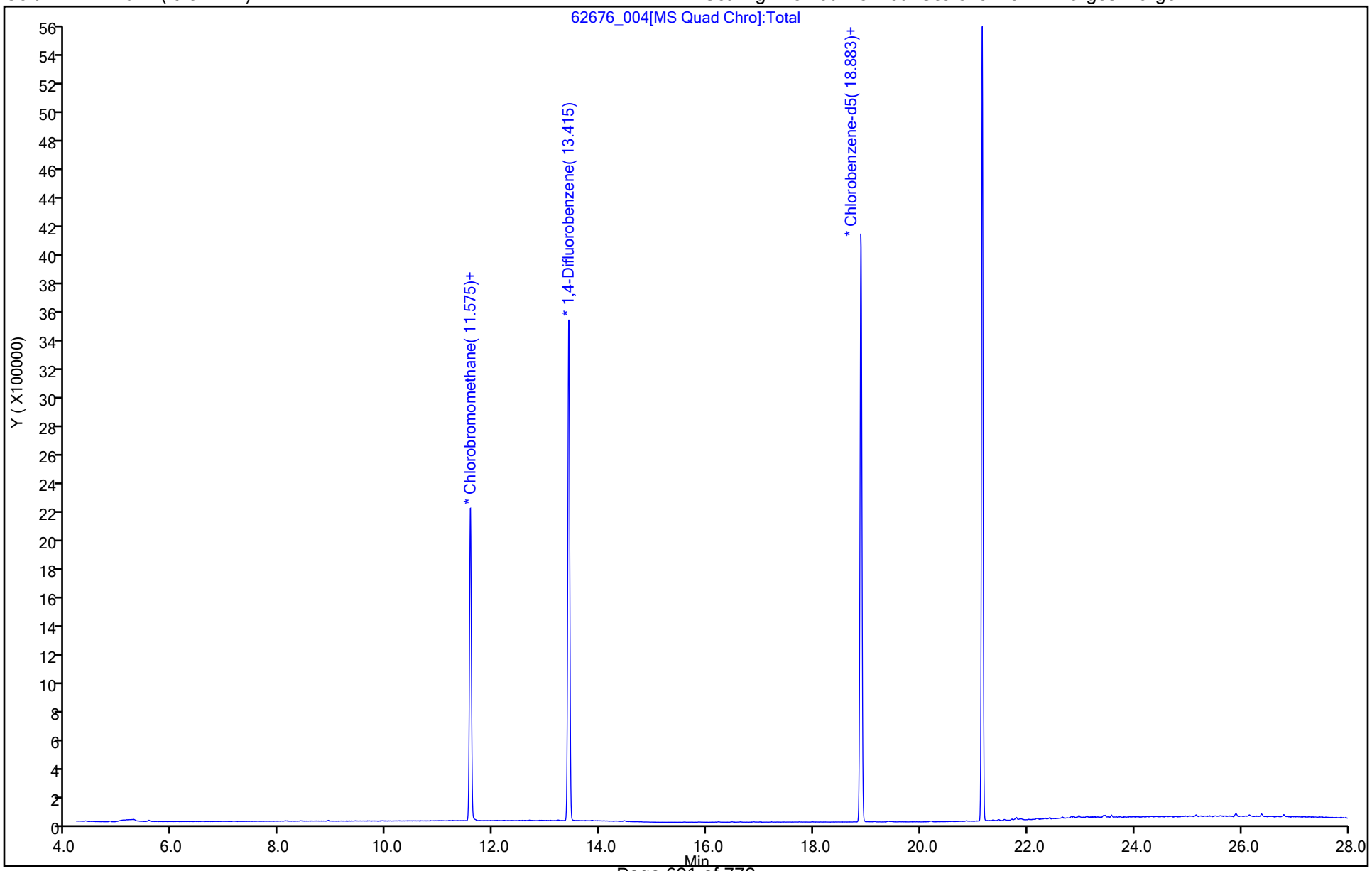
Report Date: 28-Oct-2024 11:24:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D

Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

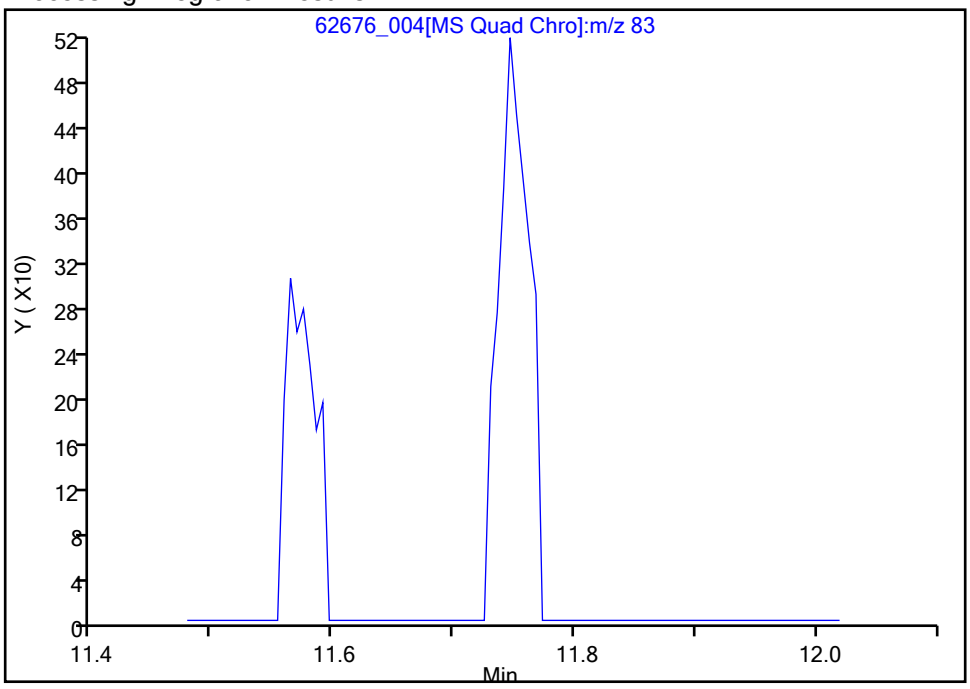
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D				
Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

41 Chloroform, CAS: 67-66-3

Signal: 1

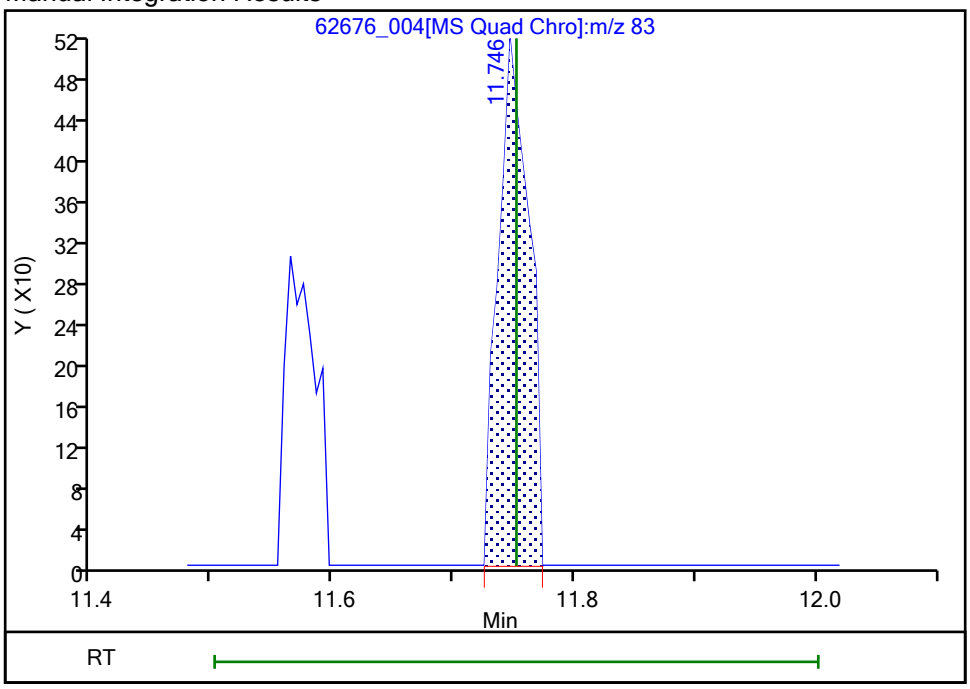
Not Detected
Expected RT: 11.75

Processing Integration Results



Manual Integration Results

RT: 11.75
Area: 903
Amount: 0.005886
Amount Units: ppb v/v



Reviewer: YWL8, 28-Oct-2024 08:15:26 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

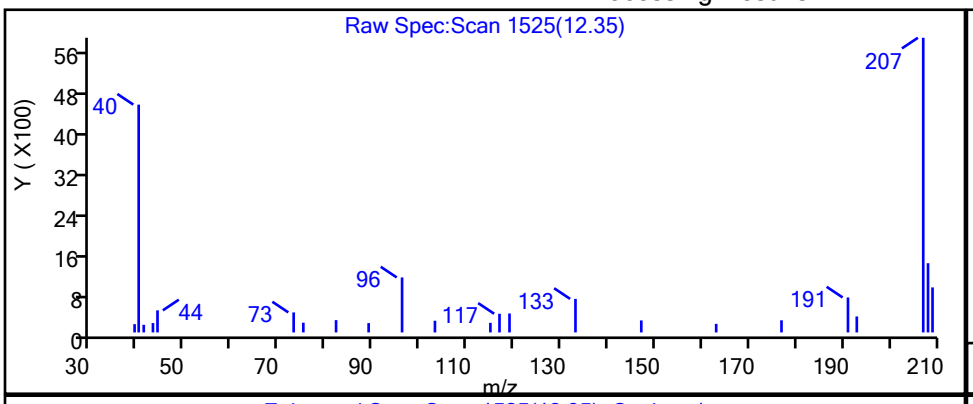
User Disabled Compound Report

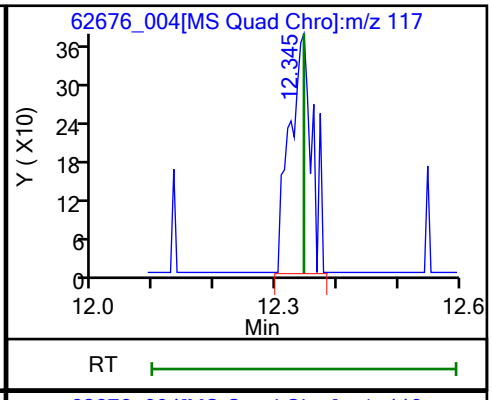
Eurofins Burlington

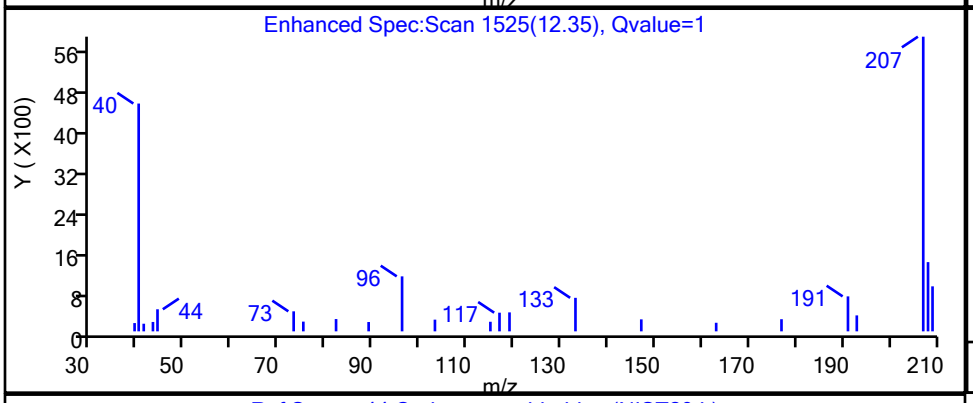
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D				
Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

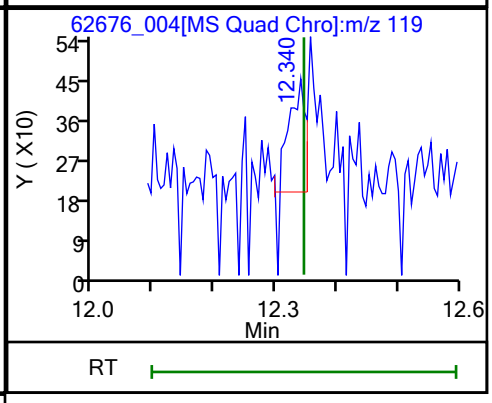
44 Carbon tetrachloride, CAS: 56-23-5

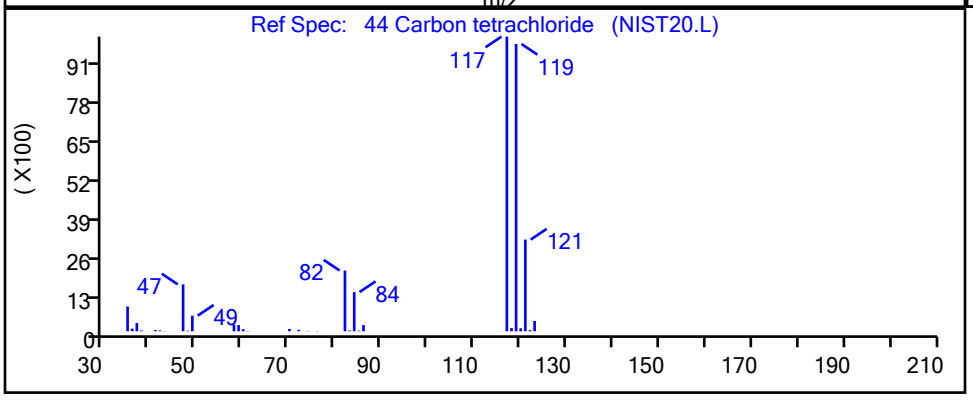
Processing Results











RT	Mass	Response	Amount
12.35	117.00	947	0.006300
12.34	119.00	447	

Reviewer: YWL8, 28-Oct-2024 08:15:41 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Burlington

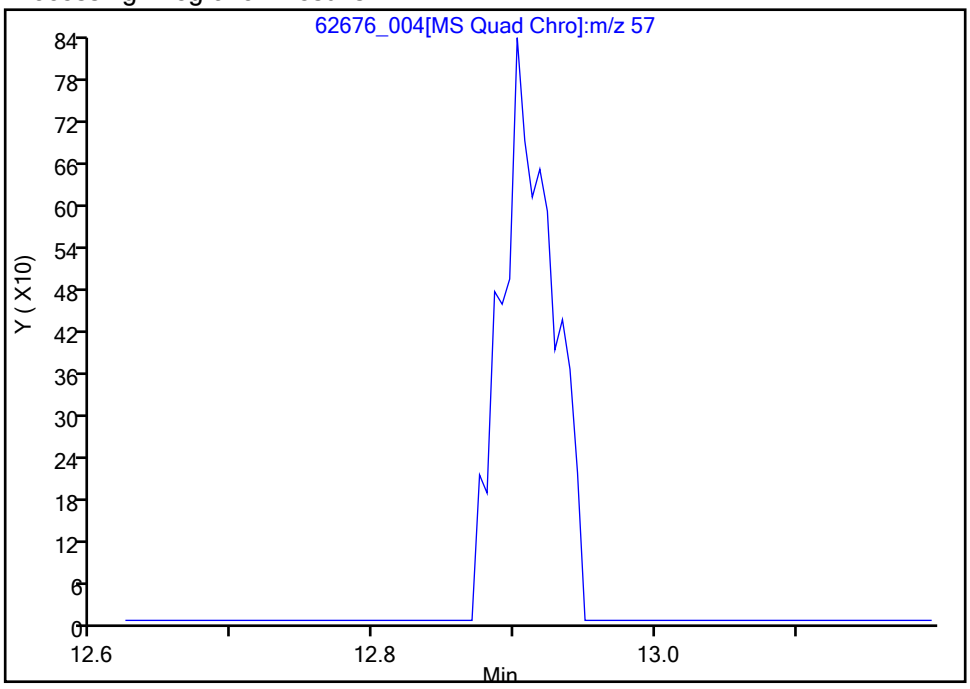
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D				
Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1

Signal: 1

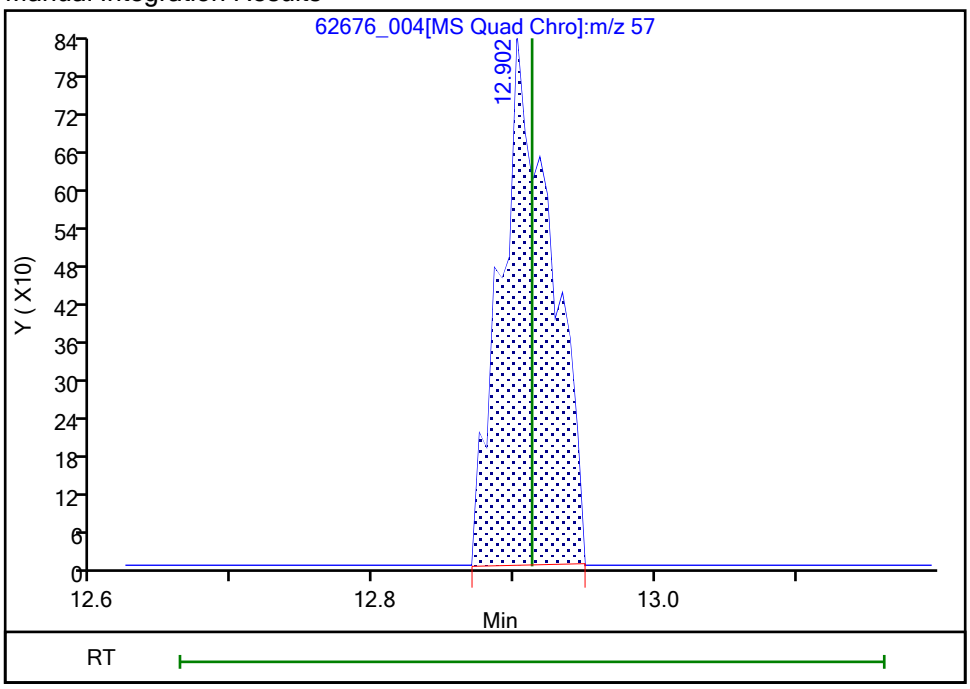
Not Detected
Expected RT: 12.91

Processing Integration Results



Manual Integration Results

RT: 12.90
Area: 2097
Amount: 0.005572
Amount Units: ppb v/v



Reviewer: YWL8, 28-Oct-2024 08:16:20 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

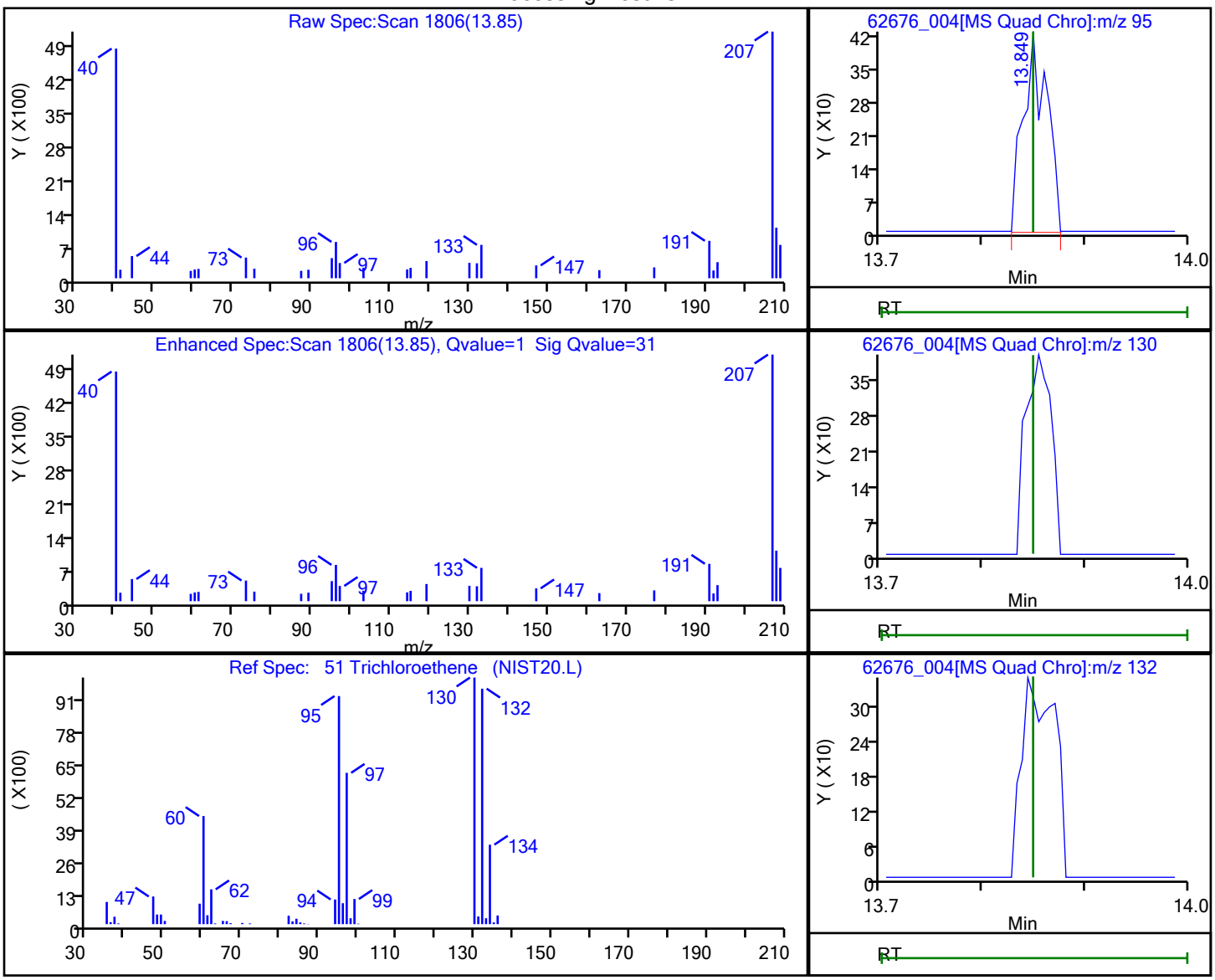
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D				
Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
13.85	95.00	677	0.007144
13.85	130.00	0	
13.85	132.00	0	

Reviewer: YWL8, 28-Oct-2024 08:16:36 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Burlington

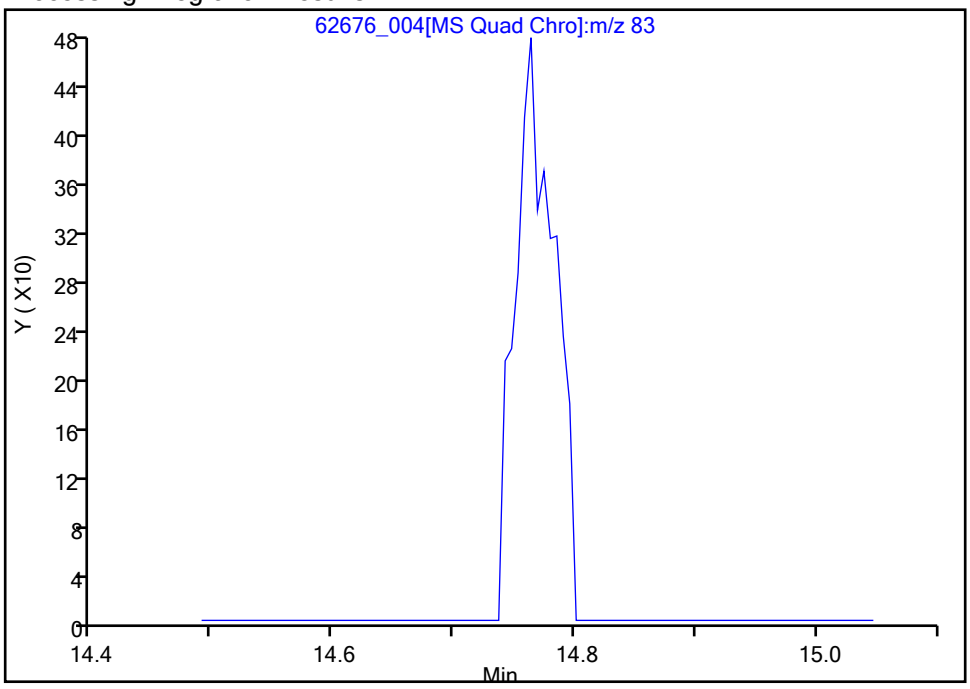
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D				
Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

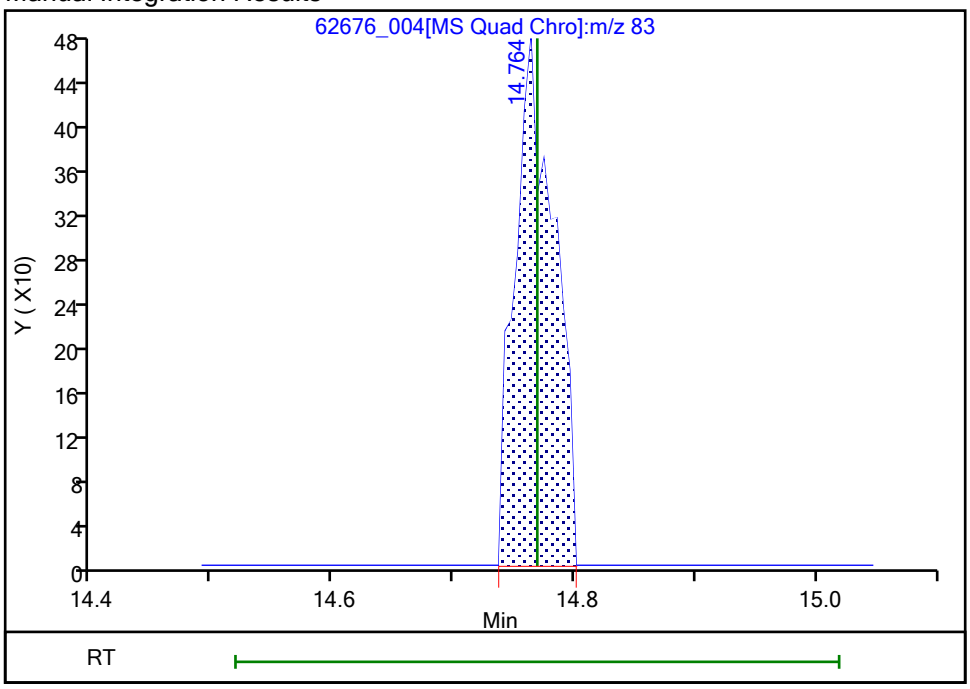
Not Detected
Expected RT: 14.77

Processing Integration Results



Manual Integration Results

RT: 14.76
Area: 1073
Amount: 0.006466
Amount Units: ppb v/v



Reviewer: YWL8, 28-Oct-2024 08:16:56 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

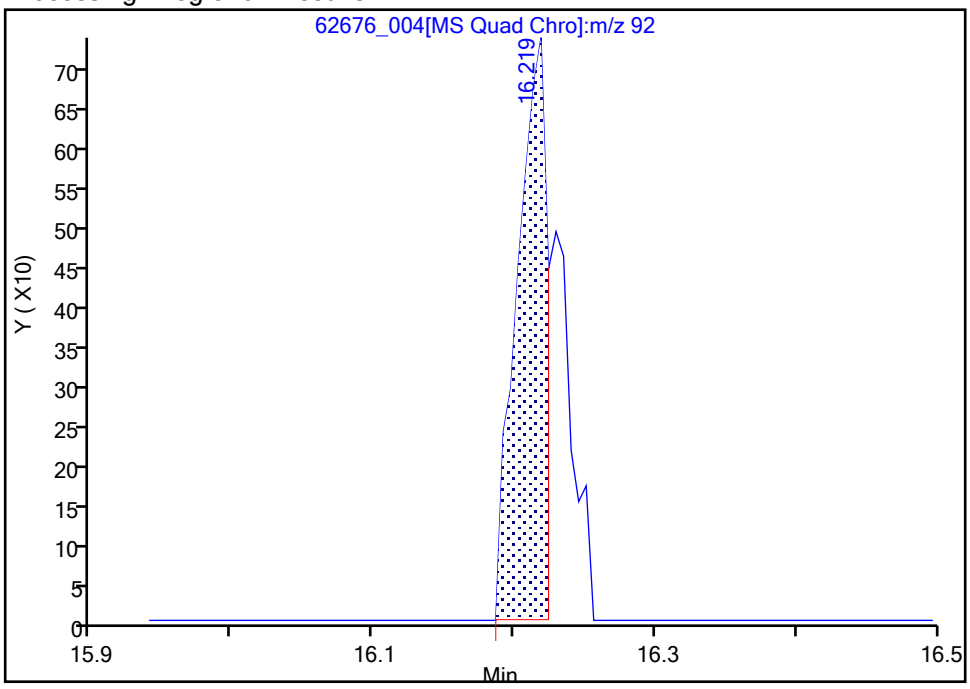
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D				
Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

62 Toluene, CAS: 108-88-3

Signal: 1

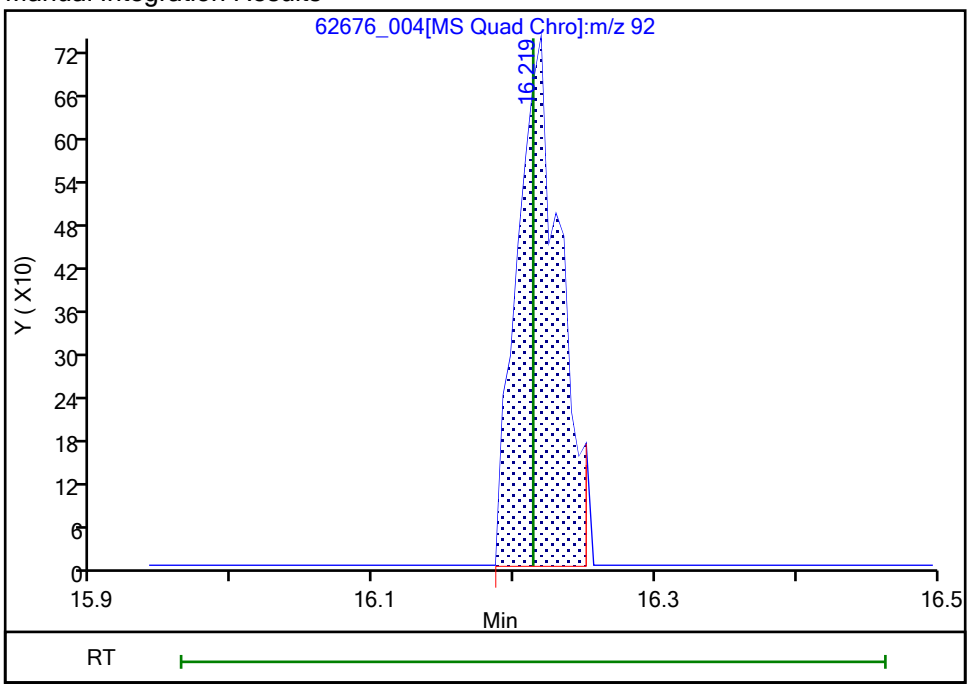
Processing Integration Results

RT: 16.22
Area: 1093
Amount: 0.007391
Amount Units: ppb v/v



Manual Integration Results

RT: 16.22
Area: 1570
Amount: 0.010617
Amount Units: ppb v/v



Reviewer: YWL8, 28-Oct-2024 08:23:55 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington

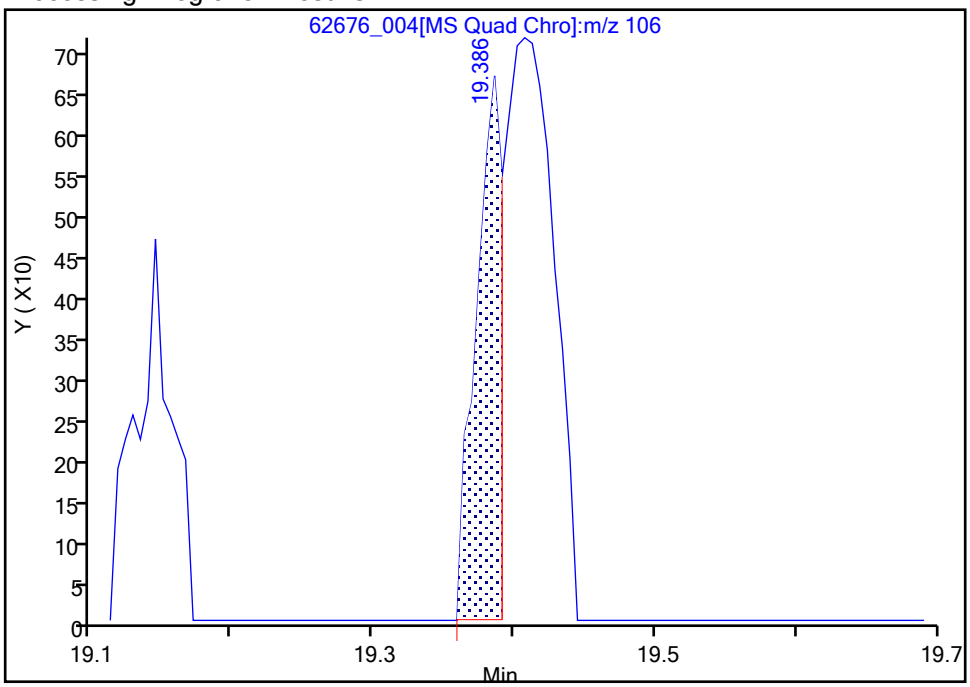
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D				
Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

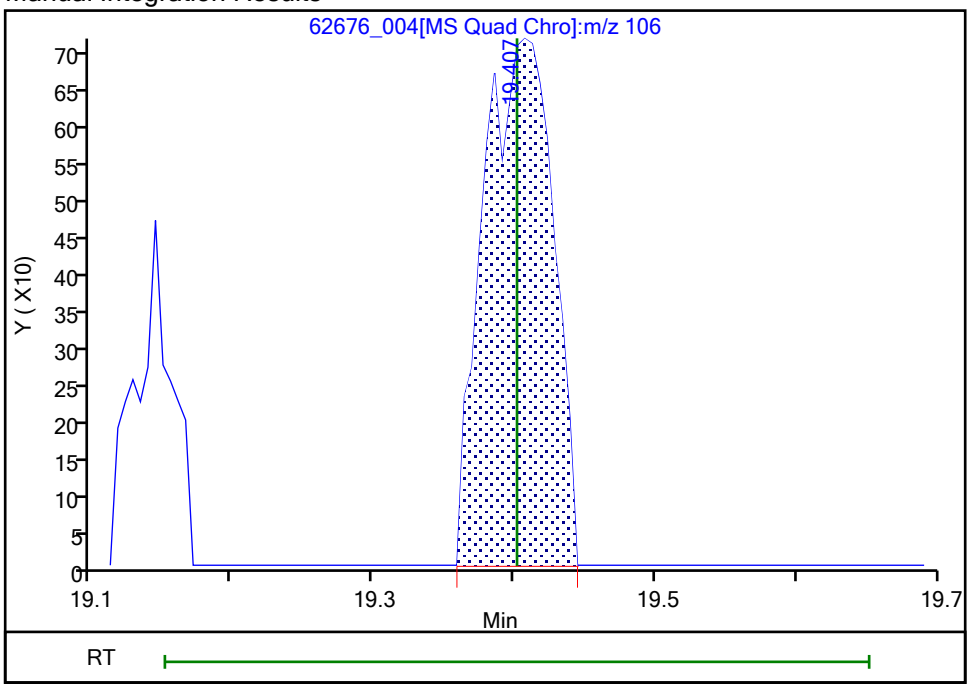
Processing Integration Results

RT: 19.39
Area: 876
Amount: 0.007357
Amount Units: ppb v/v



Manual Integration Results

RT: 19.41
Area: 2472
Amount: 0.020761
Amount Units: ppb v/v



Reviewer: YWL8, 28-Oct-2024 08:24:17 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

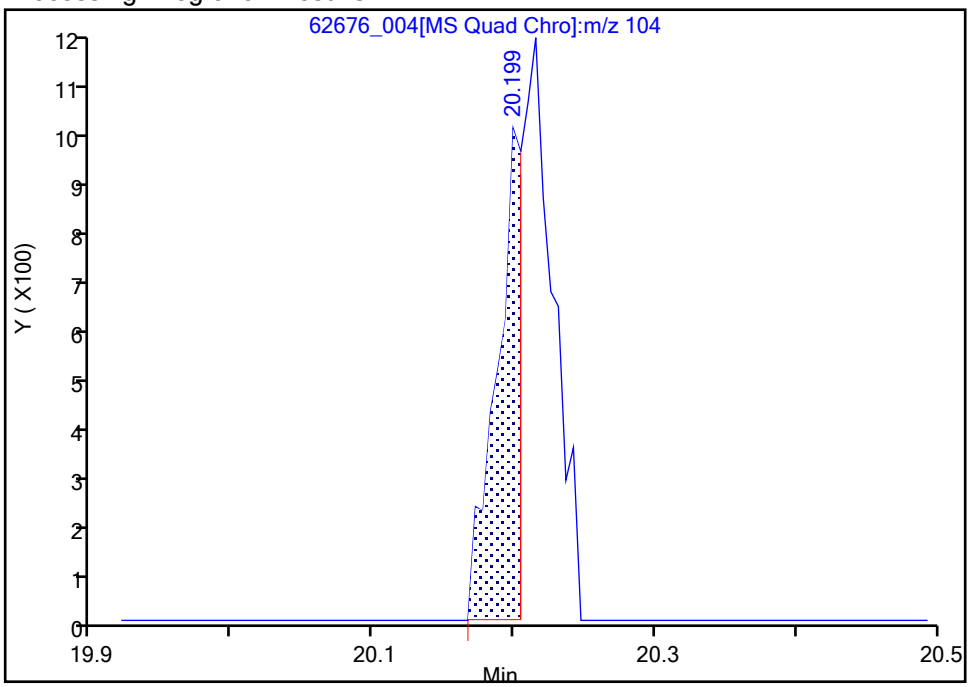
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_004.D				
Injection Date:	27-Oct-2024 13:48:25	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5

Signal: 1

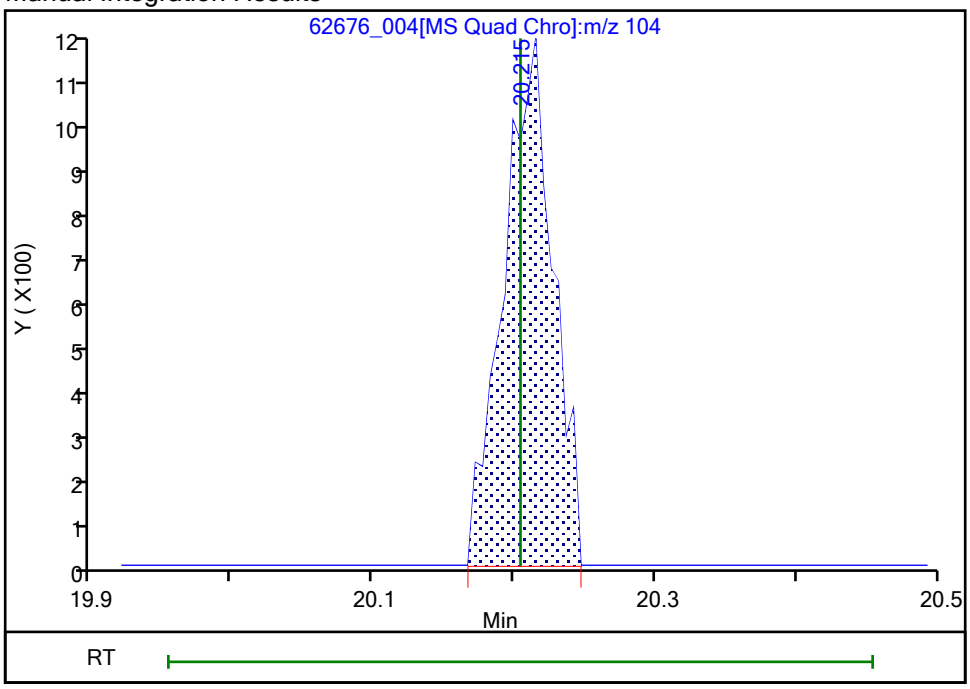
Processing Integration Results

RT: 20.20
Area: 1185
Amount: 0.006152
Amount Units: ppb v/v



Manual Integration Results

RT: 20.22
Area: 2696
Amount: 0.013997
Amount Units: ppb v/v



Reviewer: YWL8, 28-Oct-2024 08:24:48 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-210137/3

Matrix: Air Lab File ID: 62652_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 08:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	41.7		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	32.5		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	60.5		1.4	0.34
74-87-3	Chloromethane	50.49	19.3		1.0	0.31
106-97-8	n-Butane	58.12	24.4		1.2	0.48
75-01-4	Vinyl chloride	62.50	24.8		0.20	0.054
106-99-0	1,3-Butadiene	54.09	20.7		0.44	0.086
74-83-9	Bromomethane	94.94	33.8		0.78	0.28
75-00-3	Chloroethane	64.52	23.6		1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	38.4		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	47.6		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	64.2		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	32.8		0.20	0.10
67-64-1	Acetone	58.08	22.5		12	3.8
67-63-0	Isopropyl alcohol	60.10	23.7		12	3.9
75-15-0	Carbon disulfide	76.14	27.7		1.6	0.40
107-05-1	3-Chloropropene	76.53	25.6		1.6	0.38
75-09-2	Methylene Chloride	84.93	32.5		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	25.9		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	32.0		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	36.2		0.79	0.091
110-54-3	n-Hexane	86.17	31.5		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	35.4		0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	26.3		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	32.1		0.20	0.083
67-66-3	Chloroform	119.38	42.4		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	25.9		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	46.8		1.1	0.24
110-82-7	Cyclohexane	84.16	29.9		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	54.4		0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-210137/3

Matrix: Air Lab File ID: 62652_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 08:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	42.7		0.93	0.18
71-43-2	Benzene	78.11	28.2		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	36.4		0.81	0.38
142-82-5	n-Heptane	100.21	37.6		0.82	0.23
79-01-6	Trichloroethene	131.39	46.4		0.20	0.13
80-62-6	Methyl methacrylate	100.12	36.5		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	42.2		0.92	0.43
123-91-1	1,4-Dioxane	88.11	30.5		18	0.30
75-27-4	Bromodichloromethane	163.83	59.6		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	40.0		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	39.6		2.0	0.53
108-88-3	Toluene	92.14	32.4		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	43.5		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	48.5		1.1	0.40
127-18-4	Tetrachloroethene	165.83	54.4		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	39.3		2.0	0.61
124-48-1	Dibromochloromethane	208.28	70.5		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	65.4		1.5	0.32
108-90-7	Chlorobenzene	112.56	38.6		0.92	0.20
100-41-4	Ethylbenzene	106.17	38.0		0.87	0.30
179601-23-1	m,p-Xylene	106.17	75.4		2.2	0.41
95-47-6	o-Xylene	106.17	37.5		0.87	0.27
100-42-5	Styrene	104.15	36.8		0.85	0.25
75-25-2	Bromoform	252.75	77.4		2.1	1.2
98-82-8	Cumene	120.19	43.3		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	60.5		1.4	0.30
103-65-1	n-Propylbenzene	120.19	43.7		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	43.8		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	44.3		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	44.8		1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-210137/3

Matrix: Air Lab File ID: 62652_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/25/2024 08:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210137 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	47.9		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	43.6		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	50.3		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	48.7		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	48.7		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	48.2		1.2	0.54
100-44-7	Benzyl chloride	126.58	45.0		1.0	0.46
104-51-8	n-Butylbenzene	134.22	49.8		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	48.9		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	62.6		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	95.9		2.1	1.2
91-20-3	Naphthalene	128.17	44.2		2.0	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_003.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 25-Oct-2024 08:50:39 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062652-003
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 27-Oct-2024 20:41:08 Calib Date: 17-Oct-2024 10:36:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241016-62526.b\62526_02e6.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: YWL8 Date: 27-Oct-2024 20:41:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.278	4.283	-0.005	98	182350	10.0	9.11	
2 Dichlorodifluoromethane	85	4.380	4.380	0.000	99	803454	10.0	8.44	
3 Chlorodifluoromethane	51	4.428	4.433	-0.005	97	434037	10.0	9.18	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.754	4.754	0.000	95	886263	10.0	8.65	
5 Chloromethane	50	4.877	4.883	-0.006	99	244035	10.0	9.37	
7 Butane	43	5.182	5.188	-0.006	98	583858	10.0	10.3	
6 Vinyl chloride	62	5.182	5.188	-0.006	100	451899	10.0	9.71	
8 Butadiene	54	5.300	5.305	-0.005	90	329573	10.0	9.34	
11 BFB									
9 Bromomethane	94	6.054	6.054	0.000	99	343625	10.0	8.71	
10 Chloroethane	64	6.332	6.332	0.000	100	178352	10.0	8.94	
12 2-Methylbutane	43	6.541	6.541	0.000	90	327545	10.0	8.93	
13 Vinyl bromide	106	6.766	6.766	0.000	99	360749	10.0	8.78	
14 Trichlorofluoromethane	101	6.926	6.926	0.000	99	955740	10.0	8.47	
15 Pentane	43	7.135	7.135	0.000	95	514570	10.0	9.05	
16 Ethanol	45	7.338	7.333	0.005	98	202170	15.0	15.6	
18 Ethyl ether	59	7.563	7.563	0.000	90	246189	10.0	8.75	
19 Acrolein	56	7.825	7.825	0.000	96	136686	10.0	9.23	
20 1,1-Dichloroethene	96	8.012	8.012	0.000	97	392630	10.0	8.27	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.050	8.050	0.000	95	846296	10.0	8.37	
22 Acetone	43	8.108	8.109	-0.001	97	567307	10.0	9.48	
23 Isopropyl alcohol	45	8.413	8.413	0.000	99	570021	10.0	9.63	
24 Carbon disulfide	76	8.419	8.419	0.000	99	1160082	10.0	8.91	
25 Acetonitrile	41	8.638	8.633	0.005	98	232863	10.0	7.86	
26 3-Chloro-1-propene	41	8.724	8.729	-0.005	99	415292	10.0	8.17	
27 Methylene Chloride	49	8.964	8.970	-0.006	92	454089	10.0	9.36	
28 2-Methyl-2-propanol	59	9.200	9.200	0.000	99	744904	10.0	8.53	
29 Acrylonitrile	53	9.392	9.393	0.000	94	272450	10.0	8.85	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	98	617027	10.0	9.13	
31 Methyl tert-butyl ether	73	9.467	9.467	0.000	97	1145111	10.0	8.88	
32 Hexane	57	9.976	9.976	0.000	92	617548	10.0	8.94	
S 35 1,2-Dichloroethene, Total	61				0		20.0	17.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.254	10.254	0.000	100	749738	10.0	8.74	
34 Vinyl acetate	43	10.259	10.259	0.000	100	880263	10.0	9.11	
36 2-Butanone (MEK)	72	11.243	11.244	-0.001	98	208744	10.0	8.92	
37 cis-1,2-Dichloroethene	96	11.265	11.265	0.000	92	441250	10.0	8.10	
38 Ethyl acetate	88	11.318	11.318	0.000	100	36914	10.0	8.42	
* 39 Chlorobromomethane	128	11.682	11.682	0.000	90	353429	10.0	10.0	
40 Tetrahydrofuran	42	11.720	11.714	0.006	89	413685	10.0	8.77	
41 Chloroform	83	11.864	11.864	0.000	96	905821	10.0	8.69	
42 1,1,1-Trichloroethane	97	12.164	12.164	0.000	99	883055	10.0	8.58	
43 Cyclohexane	84	12.292	12.292	0.000	98	550719	10.0	8.67	
44 Carbon tetrachloride	117	12.436	12.437	-0.001	97	897796	10.0	8.65	
45 Benzene	78	12.795	12.795	0.000	96	1312400	10.0	8.82	
46 1,2-Dichloroethane	62	12.880	12.881	-0.001	93	586078	10.0	8.99	
47 Isooctane	57	12.998	12.998	0.000	99	2002074	10.0	9.13	
48 n-Heptane	43	13.308	13.309	-0.001	91	694080	10.0	9.17	
* 49 1,4-Difluorobenzene	114	13.539	13.539	-0.001	95	1649189	10.0	10.0	
50 n-Butanol	56	13.790	13.785	0.005	88	235461	10.0	7.46	
51 Trichloroethene	95	13.972	13.972	0.000	96	603673	10.0	8.63	
A 52 GRO	1	14.266	(6.531-22.001)		0	187197246	649.9	0	
53 1,2-Dichloropropane	63	14.437	14.437	0.000	91	499276	10.0	9.12	
54 Methyl methacrylate	69	14.523	14.518	0.005	99	461114	10.0	8.91	
55 1,4-Dioxane	88	14.566	14.566	0.000	93	258131	10.0	8.47	
57 Dibromomethane	174	14.598	14.598	0.000	94	534533	10.0	8.28	
58 Dichlorobromomethane	83	14.913	14.913	0.000	98	982439	10.0	8.89	
A 60 TVOC as Toluene	1	15.646	(4.273-27.019)		0	284560523	899.8	0	
59 cis-1,3-Dichloropropene	75	15.716	15.716	0.000	92	823411	10.0	8.81	
61 4-Methyl-2-pentanone (MIBK)	43	15.983	15.983	0.000	97	934111	10.0	9.67	
62 Toluene	92	16.352	16.347	0.005	93	916690	10.0	8.60	
A 63 Toluene Range	1	16.358	(16.278-16.438)		0	3728073	NC	NC	
64 n-Octane	43	16.583	16.583	0.000	90	970401	10.0	9.28	
A 65 C8 Range	1	16.588	(16.502-16.674)		0	3942673	NC	NC	
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	95	722365	10.0	9.59	
67 1,1,2-Trichloroethane	83	17.155	17.155	0.000	97	496617	10.0	8.90	
68 Tetrachloroethene	166	17.337	17.337	0.000	95	711998	10.0	8.02	
69 2-Hexanone	43	17.567	17.567	0.000	95	883847	10.0	9.59	
70 Chlorodibromomethane	129	17.893	17.893	0.000	98	892585	10.0	8.27	
71 Ethylene Dibromide	107	18.134	18.129	0.005	98	874857	10.0	8.51	
* 73 Chlorobenzene-d5	117	19.043	19.038	0.005	87	1503896	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	93	1231431	10.0	8.38	
75 Ethylbenzene	91	19.284	19.284	0.000	99	2059104	10.0	8.74	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	1562414	20.0	17.4	
77 n-Nonane	57	19.594	19.595	-0.001	90	1027592	10.0	9.49	
S 80 Xylenes, Total	106				0		30.0	26.0	
78 o-Xylene	106	20.322	20.317	0.005	98	745446	10.0	8.63	
79 Styrene	104	20.354	20.354	0.000	99	1225385	10.0	8.65	
81 Bromoform	173	20.697	20.697	-0.001	94	683379	10.0	7.49	
82 Isopropylbenzene	105	20.985	20.985	0.000	98	2249210	10.0	8.80	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	1289347	10.0	8.81	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	985888	10.0	9.04	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	2783522	10.0	8.89	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	1779586	10.0	8.65	
87 4-Ethyltoluene	105	21.879	21.879	0.000	98	2242284	10.0	8.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	92	1921737	10.0	9.01	
89 n-Decane	57	21.991	21.991	0.000	92	1333031	10.0	9.81	
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	87	918501	10.0	8.35	
91 tert-Butylbenzene	119	22.446	22.446	0.000	95	1775474	10.0	8.73	
92 1,2,4-Trimethylbenzene	105	22.531	22.532	-0.001	98	1908097	10.0	8.87	
93 sec-Butylbenzene	105	22.767	22.767	0.000	99	2843376	10.0	9.16	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	99	1245862	10.0	8.10	
95 4-Isopropyltoluene	119	22.976	22.976	0.000	97	2288262	10.0	8.87	
96 1,4-Dichlorobenzene	146	23.083	23.083	-0.001	94	1245346	10.0	8.02	
97 Benzyl chloride	91	23.238	23.232	0.006	98	1704929	10.0	8.69	
98 n-Butylbenzene	91	23.543	23.543	0.000	98	2329167	10.0	9.07	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	1215786	10.0	8.14	
100 Undecane	57	23.682	23.676	0.006	94	1352380	10.0	8.51	
101 Dodecane	57	25.297	25.297	0.000	98	948357	10.0	6.34	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	95	923496	10.0	8.44	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	96	893540	10.0	8.99	
104 Naphthalene	128	26.581	26.581	0.000	99	1918460	10.0	8.43	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	810186	10.0	7.68	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00881	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

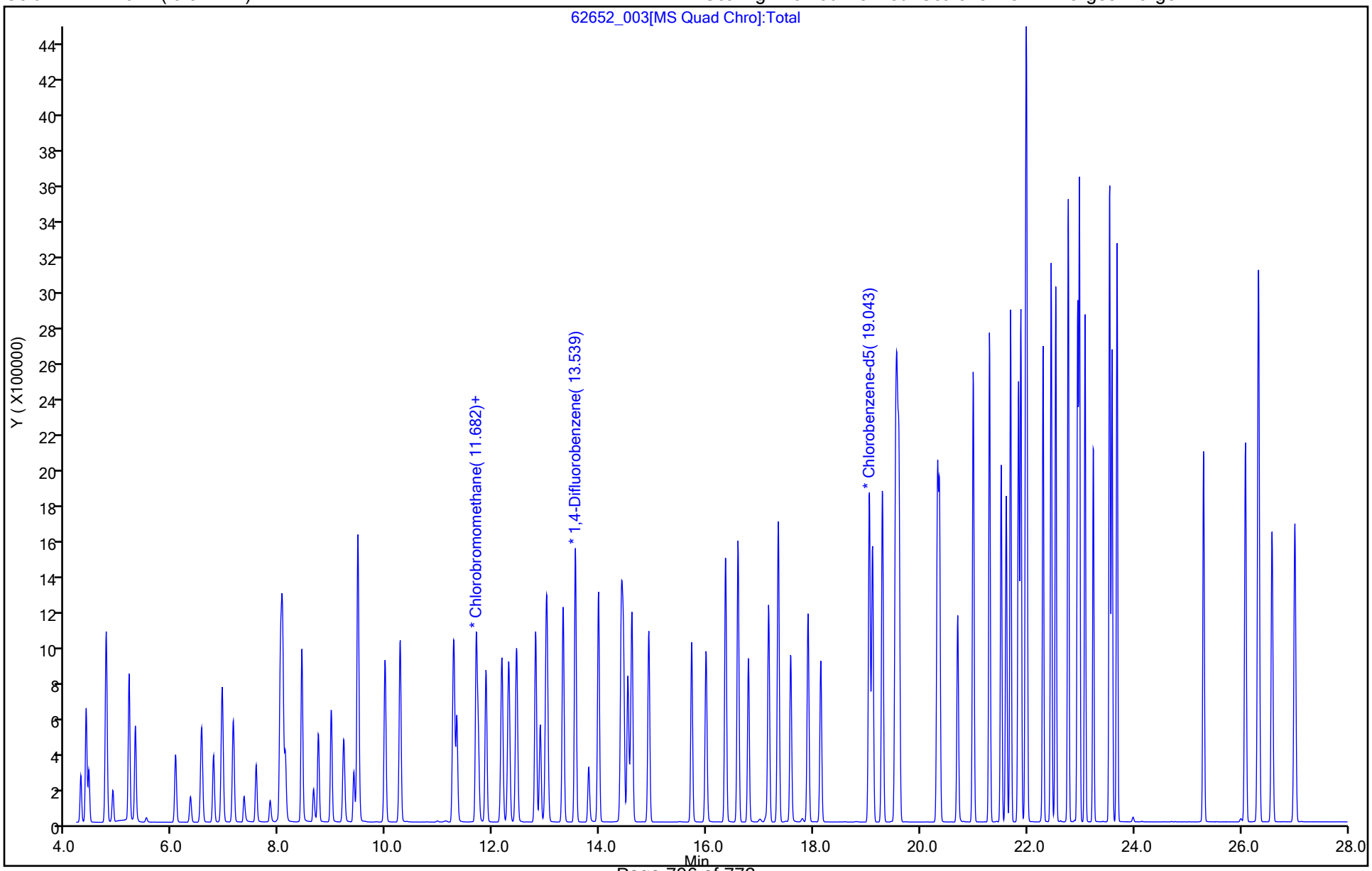
Report Date: 27-Oct-2024 20:41:45 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241025-62652.b\62652_003.D

Injection Date:	25-Oct-2024 08:50:39	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-210195/3

Matrix: Air Lab File ID: 62676_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/27/2024 12:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	51.1		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	35.9		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	70.1		1.4	0.34
74-87-3	Chloromethane	50.49	20.9		1.0	0.31
106-97-8	n-Butane	58.12	24.1		1.2	0.48
75-01-4	Vinyl chloride	62.50	24.5		0.20	0.054
106-99-0	1,3-Butadiene	54.09	20.1		0.44	0.086
74-83-9	Bromomethane	94.94	39.5		0.78	0.28
75-00-3	Chloroethane	64.52	27.1		1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	45.6		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	56.2		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	74.1		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	38.4		0.20	0.10
67-64-1	Acetone	58.08	24.6		12	3.8
67-63-0	Isopropyl alcohol	60.10	26.9		12	3.9
75-15-0	Carbon disulfide	76.14	31.1		1.6	0.40
107-05-1	3-Chloropropene	76.53	25.1		1.6	0.38
75-09-2	Methylene Chloride	84.93	33.7		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	30.3		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	35.4		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	38.7		0.79	0.091
110-54-3	n-Hexane	86.17	34.2		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	38.7		0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	29.8		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	36.9		0.20	0.083
67-66-3	Chloroform	119.38	47.8		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	30.2		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	54.4		1.1	0.24
110-82-7	Cyclohexane	84.16	34.4		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	64.1		0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-210195/3

Matrix: Air Lab File ID: 62676_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/27/2024 12:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	47.0		0.93	0.18
71-43-2	Benzene	78.11	31.7		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	40.2		0.81	0.38
142-82-5	n-Heptane	100.21	40.8		0.82	0.23
79-01-6	Trichloroethene	131.39	55.8		0.20	0.13
80-62-6	Methyl methacrylate	100.12	42.5		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	46.3		0.92	0.43
123-91-1	1,4-Dioxane	88.11	32.4		18	0.30
75-27-4	Bromodichloromethane	163.83	67.2		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	45.8		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	42.9		2.0	0.53
108-88-3	Toluene	92.14	37.8		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	48.9		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	55.6		1.1	0.40
127-18-4	Tetrachloroethene	165.83	69.1		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	42.6		2.0	0.61
124-48-1	Dibromochloromethane	208.28	80.6		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	77.4		1.5	0.32
108-90-7	Chlorobenzene	112.56	46.4		0.92	0.20
100-41-4	Ethylbenzene	106.17	43.6		0.87	0.30
179601-23-1	m,p-Xylene	106.17	87.0		2.2	0.41
95-47-6	o-Xylene	106.17	43.6		0.87	0.27
100-42-5	Styrene	104.15	42.8		0.85	0.25
75-25-2	Bromoform	252.75	81.2		2.1	1.2
98-82-8	Cumene	120.19	49.6		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	68.1		1.4	0.30
103-65-1	n-Propylbenzene	120.19	49.6		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	49.8		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	49.4		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	51.6		1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-210195/3

Matrix: Air Lab File ID: 62676_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/27/2024 12:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 210195 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	55.0		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	48.6		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	55.2		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	54.0		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	59.4		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	59.9		1.2	0.54
100-44-7	Benzyl chloride	126.58	47.1		1.0	0.46
104-51-8	n-Butylbenzene	134.22	53.8		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	58.6		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	86.2		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	116		2.1	1.2
91-20-3	Naphthalene	128.17	54.1		2.0	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_003.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 27-Oct-2024 12:56:50 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062676-003
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Oct-2024 11:01:03 Calib Date: 26-Oct-2024 09:20:22
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241023-62629.b\62629_020a.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: B9LE Date: 27-Oct-2024 13:58:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.358	4.358	0.000	99	890070	10.0	10.4	
2 Dichlorodifluoromethane	85	4.454	4.454	0.000	100	2228921	10.0	10.3	
3 Chlorodifluoromethane	51	4.503	4.503	0.000	97	1538134	10.0	10.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.824	4.824	0.000	98	2272440	10.0	10.0	
5 Chloromethane	50	4.941	4.941	0.000	99	894721	10.0	10.1	
6 Vinyl chloride	62	5.235	5.235	0.000	99	694056	10.0	9.60	
7 Butane	43	5.241	5.241	0.000	97	1203057	10.0	10.1	
8 Butadiene	54	5.348	5.348	0.000	97	544933	10.0	9.07	
9 Bromomethane	94	6.075	6.075	0.000	99	719998	10.0	10.2	
11 BFB									
10 Chloroethane	64	6.348	6.348	0.000	100	468001	10.0	10.3	
12 2-Methylbutane	43	6.562	6.562	0.000	94	1139267	10.0	9.81	
13 Vinyl bromide	106	6.771	6.771	0.000	99	666286	10.0	10.4	
14 Trichlorofluoromethane	101	6.931	6.931	0.000	98	1890100	10.0	10.0	
15 Pentane	43	7.140	7.140	0.000	96	1599053	10.0	9.84	
16 Ethanol	45	7.295	7.295	0.000	97	598182	15.0	13.1	
18 Ethyl ether	59	7.552	7.552	0.000	97	579661	10.0	9.72	
19 Acrolein	56	7.782	7.782	0.000	97	300771	10.0	10.3	
20 1,1-Dichloroethene	96	7.991	7.991	0.000	93	665772	10.0	9.69	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.033	8.033	0.000	92	1391436	10.0	9.67	
22 Acetone	43	8.060	8.060	0.000	99	1329391	10.0	10.3	
23 Isopropyl alcohol	45	8.349	8.349	0.000	100	1432517	10.0	10.9	
24 Carbon disulfide	76	8.392	8.392	0.000	100	2009285	10.0	9.97	
25 Acetonitrile	41	8.558	8.558	0.000	98	588892	10.0	9.19	
26 3-Chloro-1-propene	41	8.681	8.681	0.000	96	912153	10.0	8.01	
27 Methylene Chloride	49	8.911	8.911	0.000	99	897364	10.0	9.71	
28 2-Methyl-2-propanol	59	9.119	9.119	0.000	99	1589224	10.0	10.0	
29 Acrylonitrile	53	9.301	9.301	0.000	94	527252	10.0	9.65	
30 trans-1,2-Dichloroethene	61	9.408	9.408	0.000	93	1097025	10.0	9.77	
31 Methyl tert-butyl ether	73	9.419	9.419	0.000	97	2079283	10.0	9.82	
32 Hexane	57	9.927	9.927	0.000	92	1152304	10.0	9.70	
33 1,1-Dichloroethane	63	10.173	10.173	0.000	100	1310564	10.0	9.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.179	10.179	0.000	100	1990444	10.0	11.3	
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.1	
36 2-Butanone (MEK)	72	11.136	11.136	0.000	100	358534	10.0	10.1	
37 cis-1,2-Dichloroethene	96	11.168	11.168	0.000	98	680358	10.0	9.30	
38 Ethyl acetate	88	11.227	11.227	0.000	99	63540	10.0	10.9	
* 39 Chlorobromomethane	128	11.575	11.575	0.000	97	687220	10.0	10.0	
40 Tetrahydrofuran	42	11.618	11.618	0.000	94	908576	10.0	10.2	
41 Chloroform	83	11.752	11.752	0.000	97	1514210	10.0	9.79	
42 1,1,1-Trichloroethane	97	12.062	12.062	0.000	98	1532441	10.0	9.98	
43 Cyclohexane	84	12.206	12.206	0.000	95	898369	10.0	9.98	
44 Carbon tetrachloride	117	12.345	12.345	0.000	96	1502520	10.0	10.2	
45 Benzene	78	12.688	12.688	0.000	98	2162509	10.0	9.92	
46 1,2-Dichloroethane	62	12.752	12.752	0.000	92	1101231	10.0	9.94	
47 Isooctane	57	12.912	12.912	0.000	98	3719359	10.0	10.1	
48 n-Heptane	43	13.217	13.217	0.000	96	1520550	10.0	9.96	
* 49 1,4-Difluorobenzene	114	13.415	13.415	0.000	97	3365514	10.0	10.0	
50 n-Butanol	56	13.629	13.629	0.000	94	515250	10.0	9.30	
51 Trichloroethene	95	13.849	13.849	0.000	92	966696	10.0	10.4	
A 52 GRO	1	14.226	(6.552-21.899)		0	343368413	649.9	0	
53 1,2-Dichloropropane	63	14.303	14.303	0.000	93	857178	10.0	10.0	
54 Methyl methacrylate	69	14.389	14.389	0.000	91	810939	10.0	10.4	
55 1,4-Dioxane	88	14.432	14.432	0.000	98	407037	10.0	8.99	
57 Dibromomethane	174	14.459	14.459	0.000	90	749513	10.0	10.6	
58 Dichlorobromomethane	83	14.769	14.769	0.000	98	1634169	10.0	10.0	
59 cis-1,3-Dichloropropene	75	15.571	15.571	0.000	98	1463070	10.0	10.1	
A 60 TVOC as Toluene	1	15.579	(4.348-26.810)		0	524881059	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.828	15.828	0.000	97	2012053	10.0	10.5	
62 Toluene	92	16.213	16.213	0.000	93	1495254	10.0	10.0	
A 63 Toluene Range	1	16.229	(16.144-16.315)		0	6437006	NC	NC	
A 65 C8 Range	1	16.465	(16.390-16.540)		0	7626369	NC	NC	
64 n-Octane	43	16.470	16.470	0.000	95	2077675	10.0	9.87	
66 trans-1,3-Dichloropropene	75	16.620	16.620	0.000	97	1297043	10.0	10.8	
67 1,1,2-Trichloroethane	83	16.994	16.994	0.000	98	791239	10.0	10.2	
68 Tetrachloroethene	166	17.208	17.208	0.000	90	1033253	10.0	10.2	
69 2-Hexanone	43	17.406	17.406	0.000	92	1927243	10.0	10.4	
70 Chlorodibromomethane	129	17.733	17.733	0.000	97	1333899	10.0	9.46	
71 Ethylene Dibromide	107	17.973	17.973	0.000	98	1336681	10.0	10.1	
* 73 Chlorobenzene-d5	117	18.888	18.888	0.000	91	2999313	10.0	10.0	
74 Chlorobenzene	112	18.947	18.947	0.000	90	1902908	10.0	10.1	
75 Ethylbenzene	91	19.140	19.140	0.000	100	3380133	10.0	10.0	
76 m-Xylene & p-Xylene	106	19.402	19.402	0.000	0	2403698	20.0	20.0	
77 n-Nonane	57	19.466	19.466	0.000	93	1803464	10.0	9.97	
S 80 Xylenes, Total	106				0		30.0	30.1	
78 o-Xylene	106	20.172	20.172	0.000	97	1179561	10.0	10.0	
79 Styrene	104	20.204	20.204	0.000	98	1950709	10.0	10.1	
81 Bromoform	173	20.541	20.541	0.000	92	912331	10.0	7.86	
82 Isopropylbenzene	105	20.857	20.857	0.000	98	3613946	10.0	10.1	
83 1,1,2,2-Tetrachloroethane	83	21.360	21.360	0.000	99	2027661	10.0	9.92	
84 1,2,3-Trichloropropane	75	21.461	21.461	0.000	99	1676796	10.0	10.2	
85 N-Propylbenzene	91	21.568	21.568	0.000	98	4546319	10.0	10.1	
86 2-Chlorotoluene	91	21.713	21.713	0.000	97	2884098	10.0	9.96	
87 4-Ethyltoluene	105	21.761	21.761	0.000	98	3570879	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	105	21.852	21.852	0.000	91	3034852	10.0	10.0	
89 n-Decane	57	21.889	21.889	0.000	91	2333382	10.0	10.5	
90 Alpha Methyl Styrene	118	22.178	22.178	0.000	83	1497305	10.0	9.91	
91 tert-Butylbenzene	119	22.333	22.333	0.000	89	2783225	10.0	10.0	
92 1,2,4-Trimethylbenzene	105	22.419	22.419	0.000	99	3064756	10.0	9.89	
93 sec-Butylbenzene	105	22.654	22.654	0.000	98	4360329	10.0	10.0	
94 1,3-Dichlorobenzene	146	22.826	22.826	0.000	97	1884005	10.0	9.87	
95 4-Isopropyltoluene	119	22.868	22.868	0.000	96	3550603	10.0	9.84	
96 1,4-Dichlorobenzene	146	22.965	22.965	0.000	90	1902889	10.0	9.96	
97 Benzyl chloride	91	23.109	23.109	0.000	97	2982941	10.0	9.10	
98 n-Butylbenzene	91	23.425	23.425	0.000	98	3809035	10.0	9.79	
99 1,2-Dichlorobenzene	146	23.457	23.457	0.000	92	1795409	10.0	9.74	
100 Undecane	57	23.575	23.575	0.000	96	2690748	10.0	10.9	
101 Dodecane	57	25.163	25.163	0.000	95	2774855	10.0	10.9	
102 1,2,4-Trichlorobenzene	180	25.907	25.907	0.000	94	1637960	10.0	11.6	
103 Hexachlorobutadiene	225	26.158	26.158	0.000	92	1258822	10.0	10.9	
104 Naphthalene	128	26.389	26.389	0.000	98	3956592	10.0	10.3	
105 1,2,3-Trichlorobenzene	180	26.800	26.800	0.000	94	1370767	10.0	9.37	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00881	Amount Added: 200.00	Units: mL	
ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

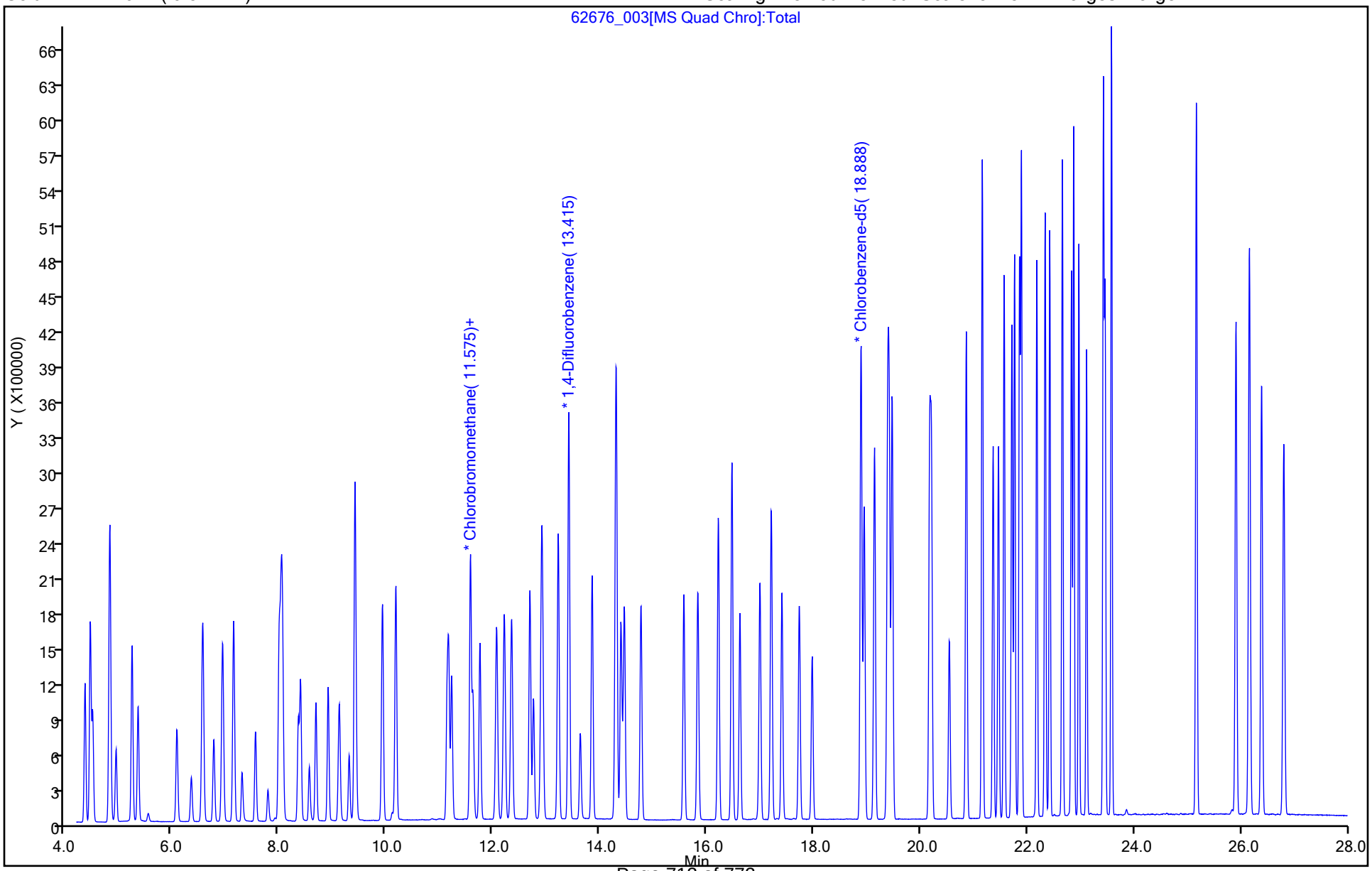
Report Date: 28-Oct-2024 11:01:04 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241027-62676.b\62676_003.D

Injection Date:	27-Oct-2024 12:56:50	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAM.i Start Date: 10/16/2024 12:34

Analysis Batch Number: 209766 End Date: 10/17/2024 11:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-209766/1		10/16/2024 12:34	1	62526_001.D	RTX-624 0.32(mm)
ZZZZZ		10/16/2024 15:25	1		RTX-624 0.32(mm)
IC 200-209766/5		10/16/2024 16:17	1	62526_005.D	RTX-624 0.32(mm)
ZZZZZ		10/16/2024 17:08	1		RTX-624 0.32(mm)
ZZZZZ		10/16/2024 17:08	1		RTX-624 0.32(mm)
ZZZZZ		10/16/2024 18:50	1		RTX-624 0.32(mm)
ZZZZZ		10/16/2024 18:50	1		RTX-624 0.32(mm)
IC 200-209766/9		10/16/2024 19:41	1	62526_009.D	RTX-624 0.32(mm)
ZZZZZ		10/16/2024 19:41	1		RTX-624 0.32(mm)
ICIS 200-209766/10		10/16/2024 20:32	1	62526_010.D	RTX-624 0.32(mm)
IC 200-209766/11		10/16/2024 21:23	1	62526_011.D	RTX-624 0.32(mm)
IC 200-209766/14		10/16/2024 23:57	1	62526_014.D	RTX-624 0.32(mm)
IC 200-209766/16		10/17/2024 01:40	1	62526_016.D	RTX-624 0.32(mm)
ZZZZZ (Client)		10/17/2024 05:55	1		RTX-624 0.32(mm)
IC 200-209766/24		10/17/2024 08:54	1	62526_024.D	RTX-624 0.32(mm)
IC 200-209766/26		10/17/2024 10:36	1	62526_02e6.D	RTX-624 0.32(mm)
ICV 200-209766/27		10/17/2024 11:38	1	62526_027.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAN.i Start Date: 10/25/2024 16:37

Analysis Batch Number: 210070 End Date: 10/26/2024 10:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-210070/2		10/25/2024 16:37	1	62629_002.D	RTX-624 0.32(mm)
IC 200-210070/4		10/25/2024 18:16	1	62629_004.D	RTX-624 0.32(mm)
IC 200-210070/5		10/25/2024 19:07	1	62629_005.D	RTX-624 0.32(mm)
IC 200-210070/6		10/25/2024 19:59	1	62629_006.D	RTX-624 0.32(mm)
ZZZZZ		10/25/2024 20:53	1		RTX-624 0.32(mm)
ICIS 200-210070/8		10/25/2024 21:44	1	62629_008.D	RTX-624 0.32(mm)
IC 200-210070/9		10/25/2024 22:36	1	62629_009.D	RTX-624 0.32(mm)
IC 200-210070/12		10/26/2024 01:11	1	62629_012.D	RTX-624 0.32(mm)
IC 200-210070/13		10/26/2024 02:03	1	62629_013.D	RTX-624 0.32(mm)
ZZZZZ (Client)		10/26/2024 03:46	1		RTX-624 0.32(mm)
IC 200-210070/20		10/26/2024 09:20	1	62629_020a.D	RTX-624 0.32(mm)
ICV 200-210070/21		10/26/2024 10:12	1	62629_021.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAM.i Start Date: 10/25/2024 07:11

Analysis Batch Number: 210137 End Date: 10/26/2024 04:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-210137/1		10/25/2024 07:11	1	62652_001.D	RTX-624 0.32(mm)
CCVIS 200-210137/2		10/25/2024 07:59	1	62652_002.D	RTX-624 0.32(mm)
LCS 200-210137/3		10/25/2024 08:50	1	62652_003.D	RTX-624 0.32(mm)
MB 200-210137/4		10/25/2024 09:41	1	62652_004.D	RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 10:32	1		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 11:34	0.2		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 12:25	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 13:16	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 14:08	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 14:59	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 15:50	10		RTX-624 0.32(mm)
200-75561-1	SV-1_10232024	10/25/2024 16:41	1	62652_012.D	RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 17:32	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 18:23	10		RTX-624 0.32(mm)
ZZZZZ (QC)		10/25/2024 19:15	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 20:06	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 20:57	10		RTX-624 0.32(mm)
200-75561-2	SV-2_10232024	10/25/2024 21:49	1	62652_018.D	RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 22:40	995		RTX-624 0.32(mm)
ZZZZZ (Client)		10/25/2024 23:31	6500		RTX-624 0.32(mm)
ZZZZZ (Client)		10/26/2024 00:23	994		RTX-624 0.32(mm)
ZZZZZ (Client)		10/26/2024 01:14	5150		RTX-624 0.32(mm)
ZZZZZ (Client)		10/26/2024 02:05	19.8		RTX-624 0.32(mm)
ZZZZZ (Client)		10/26/2024 02:56	99		RTX-624 0.32(mm)
ZZZZZ (Client)		10/26/2024 03:47	20		RTX-624 0.32(mm)
ZZZZZ (Client)		10/26/2024 04:39	1000		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Instrument ID: CHAN.i Start Date: 10/27/2024 11:17

Analysis Batch Number: 210195 End Date: 10/28/2024 03:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-210195/1		10/27/2024 11:17	1	62676_001.D	RTX-624 0.32(mm)
CCVIS 200-210195/2		10/27/2024 12:05	1	62676_002.D	RTX-624 0.32(mm)
LCS 200-210195/3		10/27/2024 12:56	1	62676_003.D	RTX-624 0.32(mm)
MB 200-210195/4		10/27/2024 13:48	1	62676_004.D	RTX-624 0.32(mm)
ZZZZZ (Client)		10/27/2024 14:40	1		RTX-624 0.32(mm)
ZZZZZ (Client)		10/27/2024 15:31	1		RTX-624 0.32(mm)
ZZZZZ (Client)		10/27/2024 16:23	1		RTX-624 0.32(mm)
ZZZZZ (Client)		10/27/2024 17:14	5174		RTX-624 0.32(mm)
200-75561-1 DL	SV-1_10232024 DL	10/27/2024 18:06	5	62676_009.D	RTX-624 0.32(mm)
200-75561-2 DL	SV-2_10232024 DL	10/27/2024 18:57	2	62676_010.D	RTX-624 0.32(mm)
ZZZZZ (Client)		10/27/2024 19:49	10		RTX-624 0.32(mm)
ZZZZZ (QC)		10/27/2024 20:41	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/27/2024 21:32	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/27/2024 22:24	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/27/2024 23:16	10		RTX-624 0.32(mm)
ZZZZZ (Client)		10/28/2024 00:07	2.99		RTX-624 0.32(mm)
ZZZZZ (QC)		10/28/2024 00:58	2.99		RTX-624 0.32(mm)
ZZZZZ (Client)		10/28/2024 01:50	2		RTX-624 0.32(mm)
ZZZZZ (Client)		10/28/2024 02:41	2		RTX-624 0.32(mm)
ZZZZZ (Client)		10/28/2024 03:33	1		RTX-624 0.32(mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Batch Number: 209766 Batch Start Date: 10/16/24 12:34 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15AMISs 00004	ATTO15CAL1w 00272	ATTO15CAL2w 00352	ATTO15CAL3w 00282
BFB 200-209766/1		TO-15			200 mL	200 mL	20 mL			
IC 200-209766/5		TO-15			200 mL	200 mL	20 mL	35 mL		
IC 200-209766/9		TO-15			200 mL	200 mL	20 mL			170 mL
ICIS 200-209766/10		TO-15			200 mL	200 mL	20 mL			
IC 200-209766/11		TO-15			200 mL	200 mL	20 mL			
IC 200-209766/14		TO-15			200 mL	200 mL	20 mL			
IC 200-209766/16		TO-15			200 mL	200 mL	20 mL			
IC 200-209766/24		TO-15			200 mL	200 mL	20 mL			20 mL
IC 200-209766/26		TO-15			200 mL	200 mL	20 mL		68 mL	
ICV 200-209766/27		TO-15			200 mL	200 mL	20 mL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ATTO15CAL4w 00830	ATTO15CAL6w 00238	ATTO15LCSW 00880			
BFB 200-209766/1		TO-15								
IC 200-209766/5		TO-15								
IC 200-209766/9		TO-15								
ICIS 200-209766/10		TO-15			200 mL					
IC 200-209766/11		TO-15				150 mL				
IC 200-209766/14		TO-15				200 mL				
IC 200-209766/16		TO-15				400 mL				
IC 200-209766/24		TO-15								
IC 200-209766/26		TO-15								
ICV 200-209766/27		TO-15					200 mL			

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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Batch Number: 209766 Batch Start Date: 10/16/24 12:34 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date:

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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Batch Number: 210070 Batch Start Date: 10/25/24 16:37 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL1w 00272	ATTO15CAL2w 00352	ATTO15CAL3w 00282	ATTO15CAL4w 00830
BFB 200-210070/2		TO-15			200 mL	200 mL				
IC 200-210070/4		TO-15			200 mL	200 mL	35 mL			
IC 200-210070/5		TO-15			200 mL	200 mL	170 mL			
IC 200-210070/6		TO-15			200 mL	200 mL		170 mL		
ICIS 200-210070/8		TO-15			200 mL	200 mL				200 mL
IC 200-210070/9		TO-15			200 mL	200 mL				
IC 200-210070/12		TO-15			200 mL	200 mL				
IC 200-210070/13		TO-15			200 mL	200 mL				
IC 200-210070/20		TO-15			200 mL	200 mL			170 mL	
ICV 200-210070/21		TO-15			200 mL	200 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ATTO15CAL5w 00149	ATTO15CAL6w 00238	ATTO15CAL7w 00149	ATTO15CISs 00012	ATTO15LCSW 00881	
BFB 200-210070/2		TO-15						20 mL		
IC 200-210070/4		TO-15						20 mL		
IC 200-210070/5		TO-15						20 mL		
IC 200-210070/6		TO-15						20 mL		
ICIS 200-210070/8		TO-15						20 mL		
IC 200-210070/9		TO-15			200 mL			20 mL		
IC 200-210070/12		TO-15				200 mL		20 mL		
IC 200-210070/13		TO-15					200 mL	20 mL		
IC 200-210070/20		TO-15						20 mL		
ICV 200-210070/21		TO-15						20 mL	200 mL	

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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Batch Number: 210070 Batch Start Date: 10/25/24 16:37 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date:

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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Batch Number: 210137 Batch Start Date: 10/25/24 07:11 Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15AMISs 00004	ATTO15CAL4w 00830	ATTO15LCSW 00881	
BFB 200-210137/1		TO-15			200 mL	200 mL	20 mL			
CCVIS 200-210137/2		TO-15			200 mL	200 mL	20 mL	200 mL		
LCS 200-210137/3		TO-15			200 mL	200 mL	20 mL		200 mL	
MB 200-210137/4		TO-15			200 mL	200 mL	20 mL			
200-75561-A-1	SV-1_10232024	TO-15	Air	T	200 mL	200 mL	20 mL			
200-75561-A-2	SV-2_10232024	TO-15	Air	T	200 mL	200 mL	20 mL			

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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75561-1

SDG No.:

Batch Number: 210195 Batch Start Date: 10/27/24 11:17 Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00830	ATTO15CISs 00012	ATTO15LCSW 00881	
BFB 200-210195/1		TO-15			200 mL	200 mL		20 mL		
CCVIS 200-210195/2		TO-15			200 mL	200 mL	200 mL	20 mL		
LCS 200-210195/3		TO-15			200 mL	200 mL		20 mL	200 mL	
MB 200-210195/4		TO-15			200 mL	200 mL		20 mL		
200-75561-A-1	SV-1_10232024	TO-15	Air	T	40 mL	200 mL		20 mL		
200-75561-A-2	SV-2_10232024	TO-15	Air	T	100 mL	200 mL		20 mL		

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.

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
200-75561	10/25/24	13:36	30.2	22	G40	SML III

Sampling Information and Return Equipment Check	Yes	N o	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	X		
(2) Is the flow controller ID used for each canister recorded?	X		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		X	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		X	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-75561-A-1	4834	-5.0	N	4245	03/19	Y	4281-61928	
200-75561-A-2	4271	-4.7	N	4745	02/78	Y	4281-61928	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	25	8/30/2024	1805	23	23	SML III	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	4008	0	0.18	0.18	30.3	GA01	9/1/24	1130	KJ	23.0	GA01	9/13/24	1428		23.0
2	2615	〃	0	0	〃	GA01	〃	〃	〃	〃	GA01	〃	〃	〃	〃
3	4281	0	0.01	0.01	30.3	GA01	9/13/24	1428		23.0	GA01	9/16/24	1500	ND	23.0
4	4907	0	0	0	30.3	GA01	9/1/24	1130	KJ	23.0	GA01	9/13/24	1428		23.0
5	3275		0.19	0.19		GA01					GA01				
6	4271		0.17	0.17		GA01					GA01				
7	34001335		0	0		GA01					GA01				
8	3283		0	0		GA01					GA01				
9	5449		0	0		GA01					GA01				
10	4834		0	0		GA01					GA01				
11	2778		0.10	0.10		GA01					GA01				
12	34001546	〃	0	0	〃	GA01	〃	〃	〃	〃	GA01	✓	✓	✓	✓

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
4281	9/9/24	61928	KPJ		XXXXXXX				9/19/24	JDB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

200-74954-A-3
4281
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/30/2024 12:00 AM
200-1922184
Loc: 200
74954
#3 A
Air-Stora

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61928-03.D

Lab ID: LCS 200-208361/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	12.4	124	50-158	
Dichlorodifluoromethane	10.0	10.8	108	61-142	
Freon 22	10.0	12.6	126	60-147	
1,2-Dichlorotetrafluoroethane	10.0	11.0	110	71-141	
Chloromethane	10.0	13.1	131	56-141	
n-Butane	10.0	12.5	125	53-151	
Vinyl chloride	10.0	11.0	110	61-135	
1,3-Butadiene	10.0	11.1	111	58-139	
Bromomethane	10.0	10.8	108	72-124	
Chloroethane	10.0	12.7	127	68-130	
Bromoethene(Vinyl Bromide)	10.0	10.7	107	75-125	
Trichlorofluoromethane	10.0	10.9	109	70-129	
Ethanol	15.0	17.3	116	50-150	
Freon TF	10.0	10.1	101	70-121	
1,1-Dichloroethene	10.0	9.49	95	68-120	
Acetone	10.0	12.4	124	54-154	
Isopropyl alcohol	10.0	13.0	130	53-142	
Carbon disulfide	10.0	10.3	103	71-138	
3-Chloropropene	10.0	9.95	100	50-150	
Methylene Chloride	10.0	11.3	113	59-137	
tert-Butyl alcohol	10.0	11.3	113	66-132	
Methyl tert-butyl ether	10.0	11.2	112	70-127	
trans-1,2-Dichloroethene	10.0	10.8	108	69-137	
n-Hexane	10.0	11.2	112	63-138	
1,1-Dichloroethane	10.0	10.3	103	66-130	
Vinyl acetate	10.0	13.0	130	59-149	
Ethyl acetate	10.0	10.9	109	70-131	
Methyl Ethyl Ketone	10.0	10.4	104	72-124	
cis-1,2-Dichloroethene	10.0	9.68	97	72-121	
Chloroform	10.0	10.7	107	73-124	
Tetrahydrofuran	10.0	11.4	114	60-149	
1,1,1-Trichloroethane	10.0	11.0	110	72-127	
Cyclohexane	10.0	10.7	107	76-124	
Carbon tetrachloride	10.0	10.6	106	71-133	
2,2,4-Trimethylpentane	10.0	11.3	113	68-131	
Benzene	10.0	10.6	106	73-119	
1,2-Dichloroethane	10.0	11.2	112	68-135	
n-Heptane	10.0	12.0	120	60-142	
Trichloroethene	10.0	10.2	102	73-122	
Methyl methacrylate	10.0	10.9	109	73-129	
1,2-Dichloropropane	10.0	11.0	110	69-128	
1,4-Dioxane	10.0	9.85	99	66-129	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61928-03.D

Lab ID: LCS 200-208361/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.1	111	75-127	
cis-1,3-Dichloropropene	10.0	11.1	111	74-125	
methyl isobutyl ketone	10.0	11.6	116	58-144	
Toluene	10.0	10.7	107	75-122	
trans-1,3-Dichloropropene	10.0	12.4	124	74-128	
1,1,2-Trichloroethane	10.0	10.7	107	75-126	
Tetrachloroethene	10.0	9.95	100	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.8	108	57-143	
Dibromochloromethane	10.0	10.5	105	73-125	
1,2-Dibromoethane	10.0	10.5	105	78-122	
Chlorobenzene	10.0	10.6	106	76-119	
Ethylbenzene	10.0	10.9	109	74-122	
m,p-Xylene	20.0	22.3	111	76-121	
Xylene, o-	10.0	11.2	112	73-123	
Styrene	10.0	11.4	114	74-125	
Bromoform	10.0	10.5	105	53-149	
Cumene	10.0	11.3	113	73-123	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	74-126	
n-Propylbenzene	10.0	11.3	113	73-127	
4-Ethyltoluene	10.0	11.4	115	75-129	
1,3,5-Trimethylbenzene	10.0	11.3	113	72-126	
2-Chlorotoluene	10.0	11.1	111	74-126	
tert-Butylbenzene	10.0	11.4	114	71-125	
1,2,4-Trimethylbenzene	10.0	11.3	113	71-129	
sec-Butylbenzene	10.0	11.5	115	70-128	
4-Isopropyltoluene	10.0	11.4	114	68-130	
1,3-Dichlorobenzene	10.0	11.3	113	69-131	
1,4-Dichlorobenzene	10.0	11.5	115	67-132	
Benzyl chloride	10.0	10.9	109	60-136	
n-Butylbenzene	10.0	11.7	117	65-137	
1,2-Dichlorobenzene	10.0	11.1	111	68-129	
1,2,4-Trichlorobenzene	10.0	11.3	113	50-150	
Hexachlorobutadiene	10.0	12.0	120	58-130	
Naphthalene	10.0	11.1	111	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab File ID: 61928-04.D Lab Sample ID: MB 200-208361/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHX.i Date Analyzed: 09/06/2024 09:36

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-208361/3	61928-03.D	09/06/2024 08:39
4281	200-74954-3	61928-06.D	09/06/2024 12:00

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208361/4

Matrix: Air Lab File ID: 61928-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/06/2024 09:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 208361 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.14	U	0.14	0.14
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.14	U	0.14	0.14
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.14	U	0.14	0.14
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-74954-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-208361/4

Matrix: Air | Lab File ID: 61928-04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/06/2024 09:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 208361 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.14	U	0.14	0.14
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.14	U	0.14	0.14
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208361/4

Matrix: Air Lab File ID: 61928-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/06/2024 09:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 208361 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240906-61928.b\61928-04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 06-Sep-2024 09:36:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061928-004
Operator ID: wrd Instrument ID: CHX.i

Method: \\chromfs\Burlington\ChromData\CHX.i\20240906-61928.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 07-Sep-2024 20:29:54 Calib Date: 17-Aug-2024 04:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: YWL8 Date: 07-Sep-2024 20:29:54

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1	Propene	41		4.232					ND	
3	Dichlorodifluoromethane	85		4.323					ND	
4	Chlorodifluoromethane	51		4.372					ND	
5	1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.682					ND	
6	Chloromethane	50		4.800					ND	
7	Vinyl chloride	62		5.104					ND	
8	Butane	43		5.104					ND	
9	Butadiene	54		5.217					ND	
10	Bromomethane	94		5.918					ND	
12	Chloroethane	64		6.174					ND	
13	2-Methylbutane	43		6.383					ND	
14	Vinyl bromide	106		6.602					ND	
15	Trichlorofluoromethane	101		6.763					ND	
16	Pentane	43		6.966					ND	
17	Ethanol	45	7.234	7.196	0.038	98	2049		0.4444	
18	Ethyl ether	59		7.400					ND	
19	Acrolein	56		7.635					ND	
20	1,1-Dichloroethene	96		7.822					ND	
21	1,1,2-Trichloro-1,2,2-trifluoroe	101		7.860					ND	
22	Acetone	43		7.924					ND	7
24	Carbon disulfide	76	8.223	8.218	0.005	99	4754		0.1690	
23	Isopropyl alcohol	45	8.314	8.250	0.064	96	2659		0.1526	
25	Acetonitrile	41		8.416					ND	
27	3-Chloro-1-propene	41		8.507					ND	
28	Methylene Chloride	49		8.742					ND	7
29	2-Methyl-2-propanol	59		9.026					ND	
30	Acrylonitrile	53		9.149					ND	
32	trans-1,2-Dichloroethene	61		9.234					ND	
31	Methyl tert-butyl ether	73		9.261					ND	
S 33	1,2-Dichloroethene, Total	61		9.665					ND	7
34	Hexane	57		9.737					ND	
36	1,1-Dichloroethane	63		9.989					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		10.005					ND	
37 2-Butanone (MEK)	72		10.968					ND	
38 cis-1,2-Dichloroethene	96		10.978					ND	
39 Ethyl acetate	88		11.048					ND	
* 40 Chlorobromomethane	128	11.385	11.385	0.000	93	57482	10.0	10.0	
41 Tetrahydrofuran	42		11.449					ND	
42 Chloroform	83		11.562					ND	
43 1,1,1-Trichloroethane	97		11.861					ND	
44 Cyclohexane	84		12.000					ND	
45 Carbon tetrachloride	117		12.139					ND	
46 Benzene	78		12.482					ND	
47 1,2-Dichloroethane	62		12.557					ND	
48 Isooctane	57		12.696					ND	
49 n-Heptane	43		13.001					ND	
* 50 1,4-Difluorobenzene	114	13.215	13.215	0.000	97	284141	10.0	10.0	
51 n-Butanol	56		13.493					ND	
52 Trichloroethene	95		13.643					ND	
A 53 GRO	1	14.038	(6.373-21.704)		0	908812		0	
55 1,2-Dichloropropane	63		14.092					ND	
56 Methyl methacrylate	69		14.194					ND	
58 Dibromomethane	174		14.252					ND	
57 1,4-Dioxane	88		14.263					ND	
59 Dichlorobromomethane	83		14.563					ND	
60 cis-1,3-Dichloropropene	75		15.360					ND	
A 61 TVOC as Toluene	92	15.381	(4.222-26.540)		0	977524		0	
62 4-Methyl-2-pentanone (MIBK)	43		15.643					ND	7
63 Toluene	92		15.991					ND	
A 64 Toluene Range	1	15.999	(15.932-16.066)		0	1600		NC	
A 65 C8 Range	1		(16.168-16.317)					ND	
66 n-Octane	43		16.243					ND	
67 trans-1,3-Dichloropropene	75		16.408					ND	
68 1,1,2-Trichloroethane	83		16.783					ND	
69 Tetrachloroethene	166		16.981					ND	
70 2-Hexanone	43		17.227					ND	7
71 Chlorodibromomethane	129		17.516					ND	
72 Ethylene Dibromide	107		17.751					ND	
* 73 Chlorobenzene-d5	117	18.661	18.661	0.000	92	241958	10.0	10.0	
74 Chlorobenzene	112		18.719					ND	
75 Ethylbenzene	91		18.907					ND	
76 m-Xylene & p-Xylene	106		19.169					ND	
77 n-Nonane	57		19.233					ND	
S 78 Xylenes, Total	106		19.600					ND	7
79 o-Xylene	106		19.939					ND	
80 Styrene	104		19.977					ND	
81 Bromoform	173		20.330					ND	
82 Isopropylbenzene	105		20.645					ND	
83 1,1,2,2-Tetrachloroethane	83		21.175					ND	
84 1,2,3-Trichloropropane	75		21.271					ND	
85 N-Propylbenzene	91		21.373					ND	7
86 2-Chlorotoluene	91		21.517					ND	7
87 4-Ethyltoluene	105		21.571					ND	7
88 1,3,5-Trimethylbenzene	105		21.662					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.694					ND	MU
90 Alpha Methyl Styrene	118		21.994					ND	
91 tert-Butylbenzene	119		22.149					ND	7
92 1,2,4-Trimethylbenzene	105		22.234					ND	7
93 sec-Butylbenzene	105		22.475					ND	7
94 1,3-Dichlorobenzene	146	22.652	22.646	0.006	77	420		0.0169	
95 4-Isopropyltoluene	119		22.689					ND	7
96 1,4-Dichlorobenzene	146	22.791	22.785	0.006	90	429		0.0180	
97 Benzyl chloride	91		22.935					ND	MU
98 n-Butylbenzene	91		23.240					ND	7
99 1,2-Dichlorobenzene	146	23.267	23.272	-0.005	63	548		0.0218	
100 Undecane	57		23.384					ND	
101 Dodecane	57		24.936					ND	
102 1,2,4-Trichlorobenzene	180	25.663	25.658	0.005	75	416		0.0310	
103 Hexachlorobutadiene	225	25.899	25.904	-0.005	72	617		0.0331	
104 Naphthalene	128		26.123					ND	7
105 1,2,3-Trichlorobenzene	180	26.530	26.530	0.000	81	294		0.0196	
113 Total Alkanes TIC	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	
115 1,2,3-Trimethylbenzene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

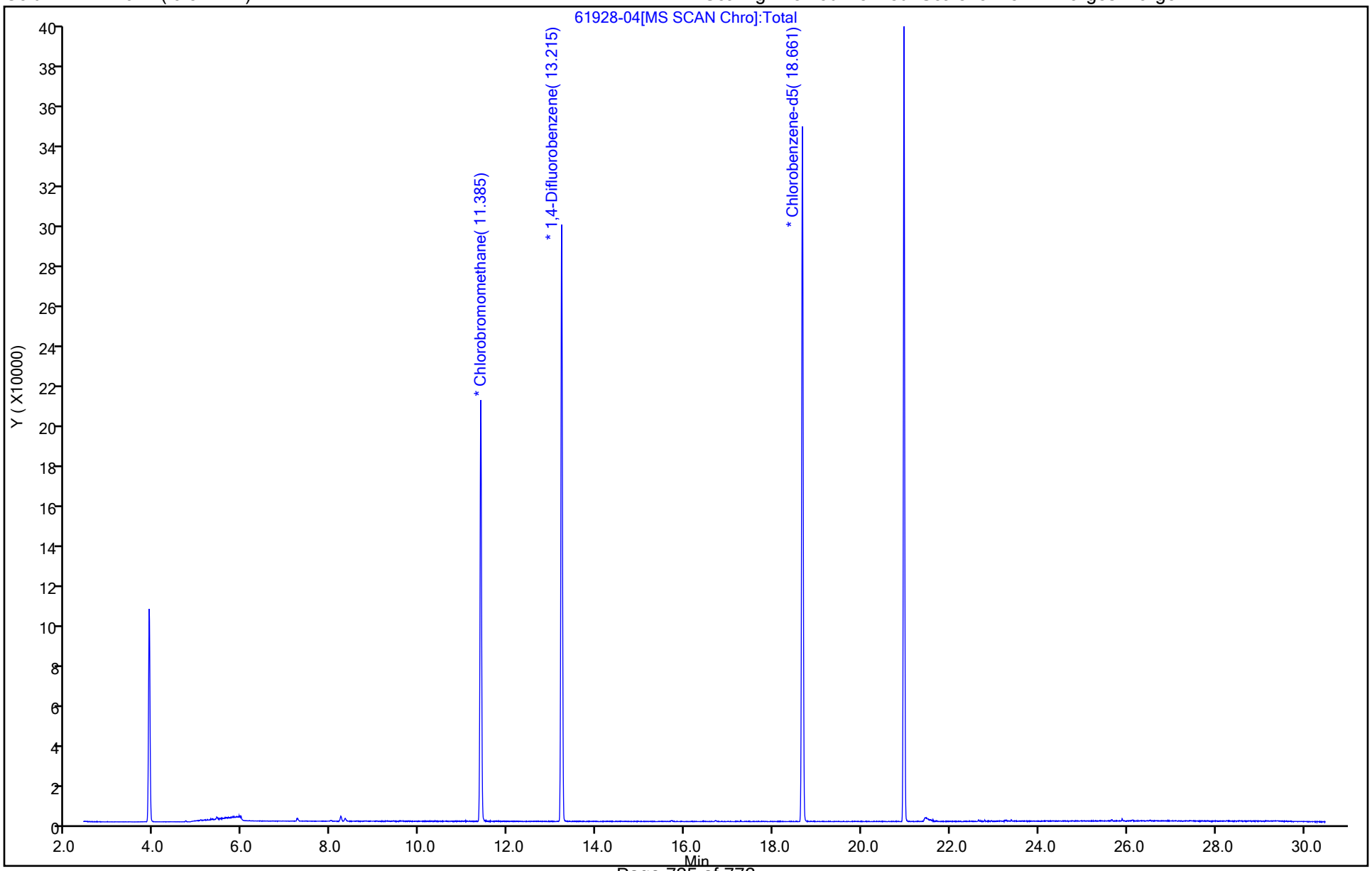
Report Date: 07-Sep-2024 20:29:55 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240906-61928.b\61928-04.D

Injection Date:	06-Sep-2024 09:36:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



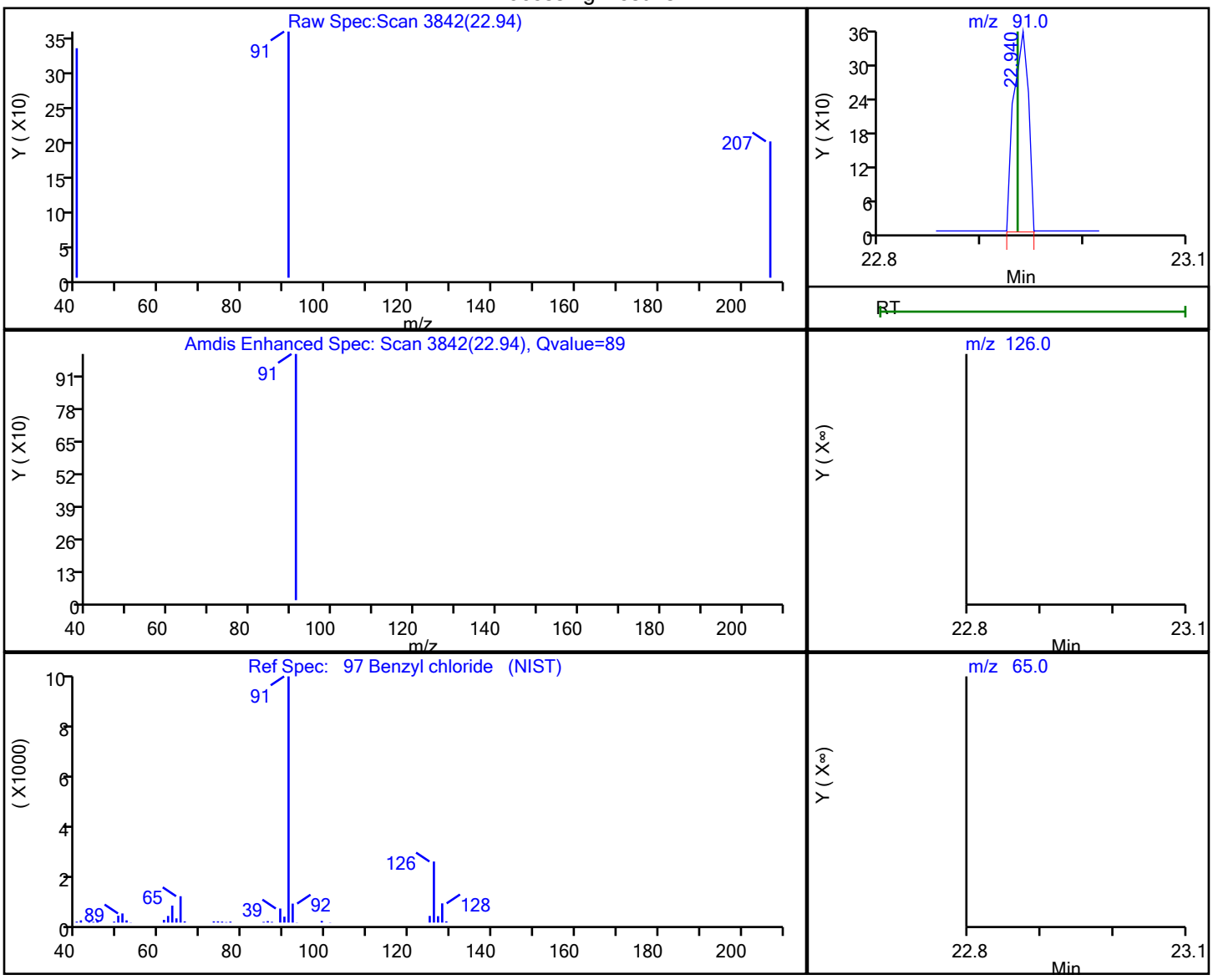
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHX.i\20240906-61928.b\61928-04.D				
Injection Date:	06-Sep-2024 09:36:30	Instrument ID:	CHX.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
22.94	91.00	355	0.011019
22.94	126.00	0	
22.94	65.00	0	

Reviewer: YWL8, 07-Sep-2024 20:29:44 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab File ID: 61667-01.D BFB Injection Date: 08/16/2024

Instrument ID: CHX.i BFB Injection Time: 14:49

Analysis Batch No.: 207672

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	20.5	
75	30.0 - 66.0% of mass 95	48.7	
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	0.8	(1.0) 1
174	50.0 - 120.0% of mass 95	83.9	
175	4.0 - 9.0 % of mass 174	6.2	(7.4) 1
176	93.0 - 101.0% of mass 174	81.3	(96.8) 1
177	5.0 - 9.0% of mass 176	5.3	(6.5) 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 200-207672/4	61667-04.D	08/16/2024	17:42
	IC 200-207672/5	61667-05.D	08/16/2024	18:38
	IC 200-207672/7	61667-07.D	08/16/2024	20:32
	IC 200-207672/9	61667-09.D	08/16/2024	22:25
	ICIS 200-207672/10	61667-10.D	08/16/2024	23:22
	IC 200-207672/11	61667-11.D	08/17/2024	0:20
	IC 200-207672/14	61667-14.D	08/17/2024	3:13
	IC 200-207672/15	61667-15.D	08/17/2024	4:14
	ICV 200-207672/20	61667-20.D	08/17/2024	9:01

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab File ID: 61928-01.D BFB Injection Date: 09/06/2024

Instrument ID: CHX.i BFB Injection Time: 06:43

Analysis Batch No.: 208361

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	22.4	
75	30.0 - 66.0% of mass 95	51.1	
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	1.0	(1.2) 1
174	50.0 - 120.0% of mass 95	81.5	
175	4.0 - 9.0 % of mass 174	6.1	(7.4) 1
176	93.0 - 101.0% of mass 174	79.7	(97.7) 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 200-208361/2	61928-02.D	09/06/2024	7:41
	LCS 200-208361/3	61928-03.D	09/06/2024	8:39
	MB 200-208361/4	61928-04.D	09/06/2024	9:36
4281	200-74954-3	61928-06.D	09/06/2024	12:00

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Sample No.: ICIS 200-207672/10 Date Analyzed: 08/16/2024 23:22

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61667-10.D Heated Purge: (Y/N) N

Calibration ID: 53334

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		79640	11.39	405561	13.22	375486	18.67
UPPER LIMIT		111496	11.72	567785	13.55	525680	19.00
LOWER LIMIT		47784	11.06	243337	12.89	225292	18.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-207672/20		84911	11.39	427465	13.22	394526	18.67

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Sample No.: CCVIS 200-208361/2 Date Analyzed: 09/06/2024 07:41

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61928-02.D Heated Purge: (Y/N) N

Calibration ID: 53334

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		51562	11.39	262024	13.22	246597	18.66
UPPER LIMIT		72187	11.72	366834	13.55	345236	18.99
LOWER LIMIT		30937	11.06	157214	12.89	147958	18.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-208361/3		57859	11.39	290526	13.22	274265	18.66
MB 200-208361/4		57482	11.39	284141	13.22	241958	18.66
200-74954-3	4281	47927	11.39	235979	13.22	205815	18.66

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-74954-1

SDG No.:

Client Sample ID: 4281 | Lab Sample ID: 200-74954-3

Matrix: Air | Lab File ID: 61928-06.D

Analysis Method: TO-15 | Date Collected: 08/30/2024 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 09/06/2024 12:00

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 208361 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.028	U	0.028	0.028
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.028
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.028	U	0.028	0.028
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-74954-1

SDG No.:

Client Sample ID: 4281 | Lab Sample ID: 200-74954-3

Matrix: Air | Lab File ID: 61928-06.D

Analysis Method: TO-15 | Date Collected: 08/30/2024 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 09/06/2024 12:00

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 208361 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.028
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.028	U	0.028	0.028
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Client Sample ID: 4281 Lab Sample ID: 200-74954-3

Matrix: Air Lab File ID: 61928-06.D

Analysis Method: TO-15 Date Collected: 08/30/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/06/2024 12:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 208361 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240906-61928.b\61928-06.D
Lims ID: 200-74954-A-3
Client ID: 4281
Sample Type: Client
Inject. Date: 06-Sep-2024 12:00:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0061928-006
Misc. Info.: |cert
Operator ID: wrd Instrument ID: CHX.i

Method: \\chromfs\Burlington\ChromData\CHX.i\20240906-61928.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 07-Sep-2024 20:30:31 Calib Date: 17-Aug-2024 04:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: YWL8 Date: 07-Sep-2024 20:30:31

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.232				ND	
	3 Dichlorodifluoromethane	85		4.323				ND	
	4 Chlorodifluoromethane	51		4.372				ND	MU
	5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.682				ND	
	6 Chloromethane	50		4.800				ND	
	7 Vinyl chloride	62		5.104				ND	
	8 Butane	43		5.104				ND	
	9 Butadiene	54		5.217				ND	
	10 Bromomethane	94		5.918				ND	
	12 Chloroethane	64		6.174				ND	
	14 Vinyl bromide	106		6.602				ND	
	15 Trichlorofluoromethane	101		6.763				ND	
	17 Ethanol	45	7.244	7.196	0.048	98	1377	0.3582	
	20 1,1-Dichloroethene	96		7.822				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.860				ND	
	22 Acetone	43		7.924				ND	7
	24 Carbon disulfide	76	8.223	8.218	0.005	99	5548	0.2365	
	23 Isopropyl alcohol	45	8.330	8.250	0.080	96	2206	0.1519	
	27 3-Chloro-1-propene	41		8.507				ND	
	28 Methylene Chloride	49		8.742				ND	
	29 2-Methyl-2-propanol	59		9.026				ND	
	32 trans-1,2-Dichloroethene	61		9.234				ND	
	31 Methyl tert-butyl ether	73		9.261				ND	
S	33 1,2-Dichloroethene, Total	61		9.665				ND	7
	34 Hexane	57		9.737				ND	
	36 1,1-Dichloroethane	63		9.989				ND	
	35 Vinyl acetate	43		10.005				ND	
	37 2-Butanone (MEK)	72		10.968				ND	
	38 cis-1,2-Dichloroethene	96		10.978				ND	
	39 Ethyl acetate	88		11.048				ND	
*	40 Chlorobromomethane	128	11.385	11.385	0.000	93	47927	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Tetrahydrofuran	42		11.449				ND	
	42 Chloroform	83		11.562				ND	
	43 1,1,1-Trichloroethane	97		11.861				ND	
	44 Cyclohexane	84		12.000				ND	
	45 Carbon tetrachloride	117		12.139				ND	
	46 Benzene	78		12.482				ND	
	47 1,2-Dichloroethane	62		12.557				ND	
	48 Isooctane	57		12.696				ND	
	49 n-Heptane	43		13.001				ND	
*	50 1,4-Difluorobenzene	114	13.215	13.215	0.000	97	235979	10.0	
	52 Trichloroethene	95		13.643				ND	
	55 1,2-Dichloropropane	63		14.092				ND	
	56 Methyl methacrylate	69		14.194				ND	
	58 Dibromomethane	174		14.252				ND	
	57 1,4-Dioxane	88		14.263				ND	
	59 Dichlorobromomethane	83		14.563				ND	
	60 cis-1,3-Dichloropropene	75		15.360				ND	
	62 4-Methyl-2-pentanone (MIBK)	43		15.643				ND	7
	63 Toluene	92		15.991				ND	
	67 trans-1,3-Dichloropropene	75		16.408				ND	
	68 1,1,2-Trichloroethane	83		16.783				ND	
	69 Tetrachloroethene	166		16.981				ND	
	70 2-Hexanone	43		17.227				ND	
	71 Chlorodibromomethane	129		17.516				ND	
	72 Ethylene Dibromide	107		17.751				ND	
*	73 Chlorobenzene-d5	117	18.661	18.661	0.000	91	205815	10.0	
	74 Chlorobenzene	112		18.719				ND	
	75 Ethylbenzene	91		18.907				ND	7
	76 m-Xylene & p-Xylene	106		19.169				ND	
S	78 Xylenes, Total	106		19.600				ND	7
	79 o-Xylene	106		19.939				ND	
	80 Styrene	104		19.977				ND	
	81 Bromoform	173		20.330				ND	
	82 Isopropylbenzene	105		20.645				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.175				ND	
	85 N-Propylbenzene	91		21.373				ND	
	86 2-Chlorotoluene	91		21.517				ND	
	87 4-Ethyltoluene	105		21.571				ND	
	88 1,3,5-Trimethylbenzene	105		21.662				ND	
	91 tert-Butylbenzene	119		22.149				ND	
	92 1,2,4-Trimethylbenzene	105		22.234				ND	
	93 sec-Butylbenzene	105		22.475				ND	
	94 1,3-Dichlorobenzene	146		22.646				ND	
	95 4-Isopropyltoluene	119		22.689				ND	
	96 1,4-Dichlorobenzene	146		22.785				ND	
	97 Benzyl chloride	91		22.935				ND	
	98 n-Butylbenzene	91		23.240				ND	
	99 1,2-Dichlorobenzene	146		23.272				ND	
	102 1,2,4-Trichlorobenzene	180		25.658				ND	
	103 Hexachlorobutadiene	225		25.904				ND	
	104 Naphthalene	128		26.123				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

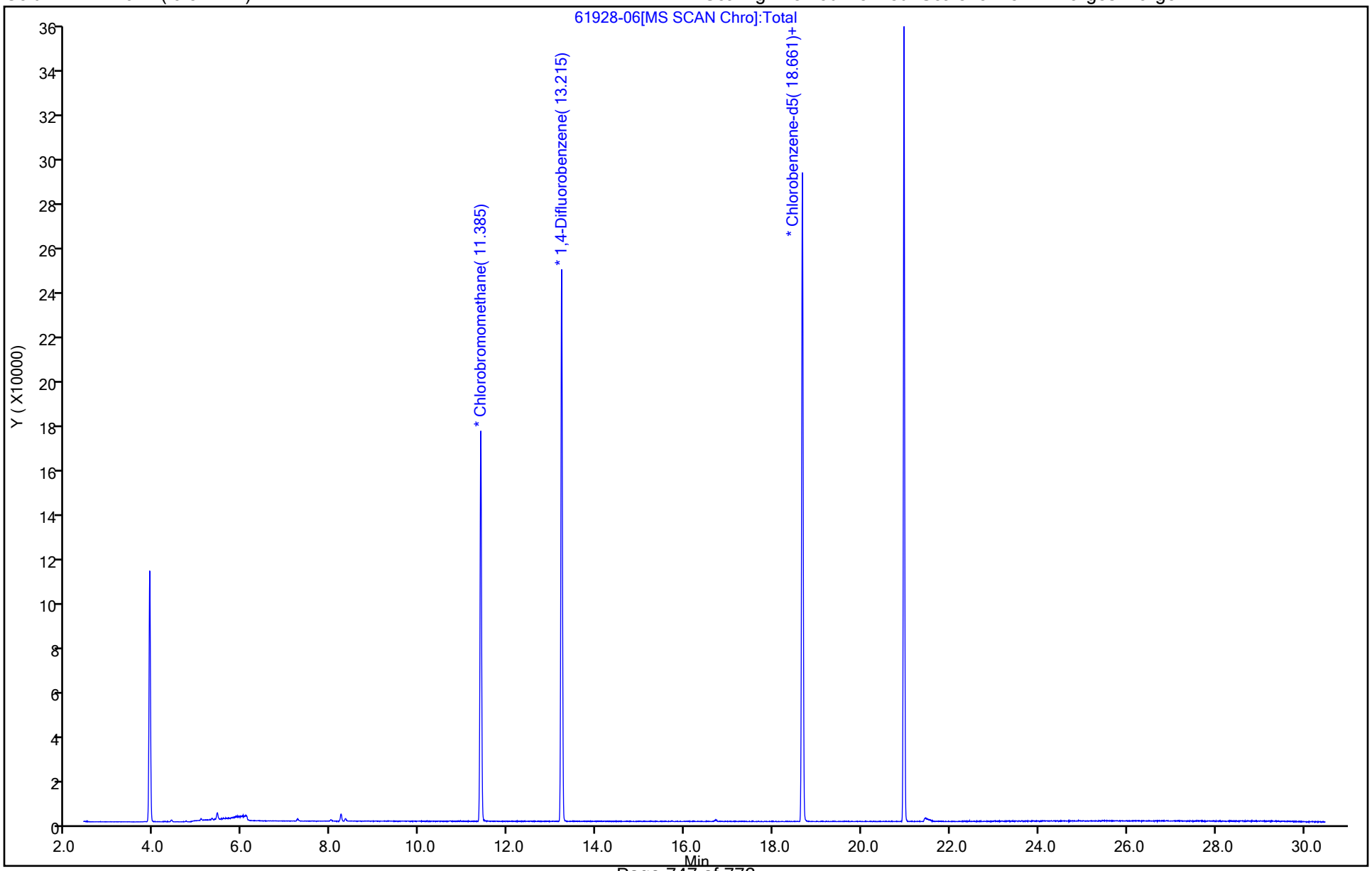
ATTO15XISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 07-Sep-2024 20:30:32 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHX.i\20240906-61928.b\61928-06.D				
Injection Date:	06-Sep-2024 12:00:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-74954-A-3	Lab Sample ID:	200-74954-3	Worklist Smp#:	6
Client ID:	4281				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



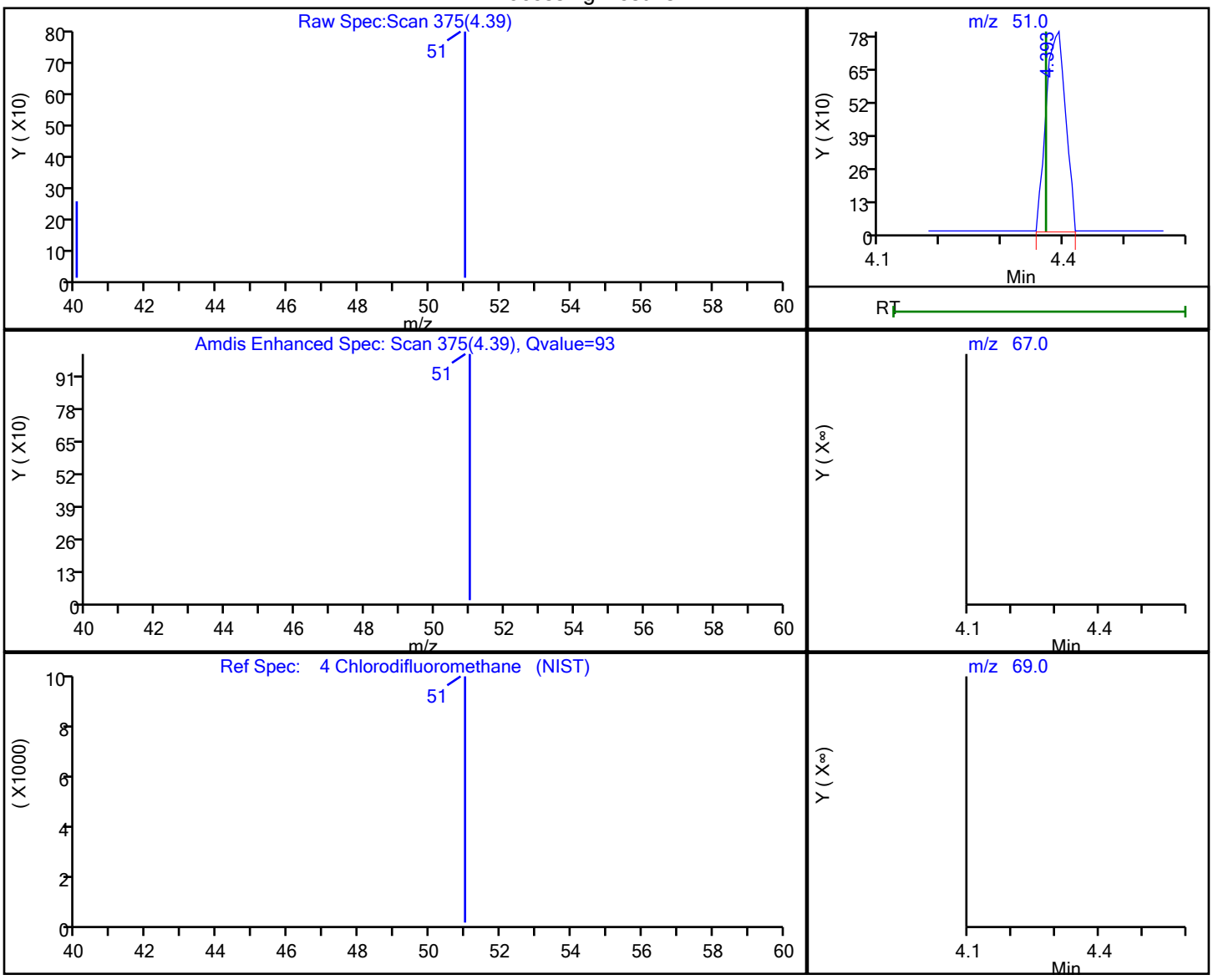
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHX.i\20240906-61928.b\61928-06.D				
Injection Date:	06-Sep-2024 12:00:30	Instrument ID:	CHX.i		
Lims ID:	200-74954-A-3	Lab Sample ID:	200-74954-3		
Client ID:	4281				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
4.39	51.00	1763	0.184146
4.37	67.00	0	
4.37	69.00	0	

Reviewer: YWL8, 07-Sep-2024 20:30:11 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207672/4	61667-04.D
Level 2	IC 200-207672/5	61667-05.D
Level 3	IC 200-207672/7	61667-07.D
Level 4	IC 200-207672/9	61667-09.D
Level 5	ICIS 200-207672/10	61667-10.D
Level 6	IC 200-207672/11	61667-11.D
Level 7	IC 200-207672/14	61667-14.D
Level 8	IC 200-207672/15	61667-15.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								
Propylene	+++++ 0.9067	+++++ 1.0224	+++++ 0.6929	0.9920	0.8749	Ave		0.8978				14.4		30.0			
Dichlorodifluoromethane	+++++ 3.3709	+++++ 3.3451	3.8842 2.7475	3.2955	3.1899	Ave		3.3055				11.0		30.0			
Freon 22	+++++ 1.9890	+++++ 2.0276	2.4200 1.6540	2.0076	1.8874	Ave		1.9976				12.5		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.5323	4.1095 3.6381	4.2280 3.1387	3.5112	3.3358	Ave		3.6420				10.9		30.0			
Chloromethane	+++++ 1.2274	+++++ 1.2245	1.4880 1.0347	1.2220	1.1586	Ave		1.2259				12.1		30.0			
Vinyl chloride	2.6206 2.0384	2.1962 2.0296	2.4329 1.7867	1.9250	1.8704	Ave		2.1125				13.6		30.0			
n-Butane	+++++ 3.2573	+++++ 3.2893	3.9253 2.8557	3.0994	3.0242	Ave		3.2419				11.4		30.0			
1,3-Butadiene	2.4529 1.6573	1.8471 1.6497	1.9484 1.4597	1.5548	1.5329	Ave		1.7628				18.3		30.0			
Bromomethane	+++++ 1.9269	2.2973 1.8992	2.3904 1.6749	1.8882	1.8154	Ave		1.9846				13.1		30.0			
Chloroethane	+++++ 0.9789	+++++ 0.8912	1.2034 0.8640	0.9481	0.9437	Ave		0.9715				12.4		30.0			
Isopentane	+++++ 1.9100	2.1513 1.9005	2.2959 1.7263	1.8539	1.7828	Ave		1.9458				10.5		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.3013	1.3962 1.2550	1.4587 1.1722	1.2307	1.2038	Ave		1.2883				8.1		30.0			
Trichlorofluoromethane	+++++ 3.3153	3.8410 3.2386	3.8067 3.0138	3.1974	3.1123	Ave		3.3607				9.8		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

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-Pentane	+++++ 3.1033	+++++ 3.0729	3.4166 2.8440	2.9181	2.8923	Ave		3.0412				6.9		30.0			
Ethanol	+++++ 0.7768	+++++ 0.7782	0.9873 0.7487	0.7588	0.7629	Ave		0.8021				11.4		30.0			
Ethyl ether	+++++ 1.1528	1.1326 1.1183	1.2095 1.0902	1.0666	1.0264	Ave		1.1138				5.4		30.0			
Acrolein	+++++ 0.6577	+++++ 0.6385	+++++ 0.6263	0.6013	0.5871	Ave		0.6222				4.6		30.0			
1,1-Dichloroethene	2.0386 1.4647	1.6327 1.4333	1.6271 1.4164	1.3548	1.3504	Ave		1.5397				14.9		30.0			
Freon TF	+++++ 3.0527	3.3929 3.0201	3.3704 2.9244	2.8850	2.8188	Ave		3.0663				7.5		30.0			
Acetone	+++++ 2.8186	+++++ 2.6973	+++++ 2.7139	2.6865	2.5291	Ave		2.6891				3.9		30.0			
Carbon disulfide	+++++ 4.7756	+++++ 4.6732	6.4106 4.6153	4.4917	4.4008	Ave		4.8945				15.4		30.0			
Isopropyl alcohol	+++++ 3.1787	+++++ 3.0338	+++++ 3.0754	2.9353	2.9290	Ave		3.0304				3.4		30.0			
Acetonitrile	+++++ 1.6989	+++++ 1.6527	+++++ 1.5812	1.5384	1.5246	Ave		1.5992				4.7		30.0			
3-Chloropropene	+++++ 2.7427	2.7796 2.6714	2.8678 2.5505	2.4368	2.5063	Ave		2.6507				6.0		30.0			
Methylene Chloride	+++++ 2.4435	+++++ 2.3847	2.7689 2.2356	2.2824	2.2675	Ave		2.3971				8.3		30.0			
tert-Butyl alcohol	+++++ 3.7754	+++++ 3.5632	+++++ 3.5697	3.2421	3.4221	Ave		3.5145				5.6		30.0			
Acrylonitrile	+++++ 1.5350	+++++ 1.4820	1.6475 1.4148	1.3310	1.3664	Ave		1.4628				8.0		30.0			
trans-1,2-Dichloroethene	3.6464 2.8606	2.8594 2.7871	2.9042 2.7295	2.5064	2.5807	Ave		2.8593				12.2		30.0			
Methyl tert-butyl ether	+++++ 4.9990	4.7578 4.8113	4.7608 4.8296	4.1963	4.3407	Ave		4.6708				6.2		30.0			
n-Hexane	+++++ 3.2416	3.0916 3.1464	3.0759 2.9976	2.8880	2.9553	Ave		3.0566				3.9		30.0			
1,1-Dichloroethane	4.6657 3.6438	3.7412 3.5541	3.8750 3.3877	3.2973	3.3170	Ave		3.6852				12.1		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

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								
Vinyl acetate	+++++ 5.6370	+++++ 5.5133	+++++ 5.2198	4.7897	4.9551	Ave		5.2230				6.9		30.0			
Methyl Ethyl Ketone	+++++ 0.9770	+++++ 0.9310	0.9701 0.9422	0.8621	0.8519	Ave		0.9224				5.8		30.0			
cis-1,2-Dichloroethene	2.2885 1.8066	1.8243 1.7515	1.8443 1.7165	1.6095	1.6336	Ave		1.8094				11.7		30.0			
Ethyl acetate	+++++ 0.1469	+++++ 0.1410	+++++ 0.1398	0.1293	0.1305	Ave		0.1375				5.4		30.0			
Tetrahydrofuran	+++++ 0.5419	+++++ 0.5293	+++++ 0.5040	0.4946	0.4866	Ave		0.5113				4.6		30.0			
Chloroform	+++++ 3.6325	3.9891 3.5181	3.8988 3.3813	3.3013	3.2952	Ave		3.5738				7.9		30.0			
1,1,1-Trichloroethane	+++++ 0.6695	0.7187 0.6622	0.7075 0.6436	0.6166	0.6140	Ave		0.6617				6.2		30.0			
Cyclohexane	+++++ 0.4665	0.4368 0.4607	0.4535 0.4447	0.4210	0.4251	Ave		0.4440				3.9		30.0			
Carbon tetrachloride	0.8057 0.6786	0.7174 0.6738	0.7181 0.6509	0.6196	0.6208	Ave		0.6856				9.0		30.0			
Benzene	+++++ 1.1173	1.1936 1.1037	1.2213 1.0633	1.0250	1.0198	Ave		1.1063				7.1		30.0			
1,2-Dichloroethane	+++++ 0.4990	0.5469 0.4915	0.5483 0.4659	0.4628	0.4598	Ave		0.4963				7.7		30.0			
2,2,4-Trimethylpentane	+++++ 2.1074	1.9494 2.0846	2.0174 1.9844	1.9028	1.9245	Ave		1.9958				3.9		30.0			
n-Heptane	+++++ 0.8652	0.7761 0.8616	0.8128 0.8069	0.7820	0.7932	Ave		0.8140				4.4		30.0			
n-Butanol	+++++ 0.3037	+++++ 0.2970	+++++ 0.2979	0.2716	0.2740	Ave		0.2888				5.2		30.0			
Trichloroethene	0.5859 0.4572	0.4850 0.4537	0.4766 0.4475	0.4118	0.4149	Ave		0.4666				11.7		30.0			
1,2-Dichloropropane	+++++ 0.4995	0.5089 0.4961	0.5073 0.4842	0.4456	0.4516	Ave		0.4847				5.4		30.0			
Methyl methacrylate	+++++ 0.4396	+++++ 0.4347	0.3613 0.4358	0.3712	0.3854	Ave		0.4047				8.9		30.0			
Dibromomethane	+++++ 0.3970	0.4055 0.3959	0.4046 0.3896	0.3579	0.3567	Ave		0.3868				5.4		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

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								
1,4-Dioxane	+++++ 0.2343	0.2563 0.2311	0.2351 0.2385	0.2382	0.2108	Ave		0.2349				5.7		30.0			
Bromodichloromethane	+++++ 0.8032	0.7731 0.8003	0.8094 0.7817	0.7126	0.7253	Ave		0.7722				5.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.7475	0.6214 0.7410	0.6731 0.7301	0.6308	0.6642	Ave		0.6869				7.7		30.0			
methyl isobutyl ketone	+++++ 1.1085	+++++ 1.1099	1.0331 1.0696	1.0808	1.0260	Ave		1.0713				3.4		30.0			
Toluene	+++++ 0.8326	0.8241 0.8206	0.8163 0.8084	0.7359	0.7441	Ave		0.7974				5.0		30.0			
n-Octane	+++++ 1.2470	1.0285 1.2432	1.0835 1.1606	1.1124	1.1273	Ave		1.1432				7.1		30.0			
trans-1,3-Dichloropropene	+++++ 0.6003	0.4796 0.5994	0.5287 0.5911	0.5064	0.5272	Ave		0.5475				9.0		30.0			
1,1,2-Trichloroethane	+++++ 0.4389	0.4515 0.4324	0.4750 0.4273	0.4004	0.3923	Ave		0.4311				6.6		30.0			
Tetrachloroethene	0.7721 0.6074	0.6434 0.6036	0.6485 0.5933	0.5545	0.5485	Ave		0.6214				11.4		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 1.1102	+++++ 1.1255	0.9509 1.0783	1.2136	1.0281	Ave		1.0844				8.3		30.0			
Dibromochloromethane	+++++ 0.8233	0.7099 0.8225	0.7837 0.8215	0.7079	0.7303	Ave		0.7713				7.0		30.0			
1,2-Dibromoethane	+++++ 0.7467	0.7097 0.7396	0.7408 0.7308	0.6600	0.6672	Ave		0.7136				5.1		30.0			
Chlorobenzene	+++++ 1.0920	1.1368 1.0790	1.1433 1.0609	0.9845	0.9724	Ave		1.0670				6.3		30.0			
Ethylbenzene	+++++ 1.9238	1.7614 1.9029	1.7832 1.8824	1.6779	1.6907	Ave		1.8032				5.6		30.0			
m,p-Xylene	+++++ 0.7359	0.6107 0.7299	0.6362 0.7245	0.6263	0.6398	Ave		0.6719				8.2		30.0			
n-Nonane	+++++ 1.1794	0.9457 1.1636	1.0587 1.1110	1.0474	1.0566	Ave		1.0803				7.4		30.0			
Xylene, o-	+++++ 0.6976	0.5658 0.6927	0.5991 0.6938	0.5891	0.6062	Ave		0.6349				9.0		30.0			
Styrene	+++++ 1.1743	0.7769 1.1790	0.8856 1.1677	0.9353	1.0055	Ave		1.0178				15.8		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

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								
Bromoform	+++++ 0.7990	0.5623 0.8132	0.6794 0.8234	0.6172	0.6990	Ave		0.7134				14.3		30.0			
Cumene	+++++ 2.1438	1.7091 2.1269	1.7548 2.0980	1.8085	1.8839	Ave		1.9321				9.7		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.2484	1.1527 1.2390	1.2107 1.2345	1.0976	1.1191	Ave		1.1860				5.2		30.0			
1,2,3-Trichloropropane	+++++ 0.9730	+++++ 0.9625	0.9484 0.9555	0.8600	0.8776	Ave		0.9295				5.2		30.0			
n-Propylbenzene	+++++ 2.7288	2.1132 2.7077	2.3092 2.6783	2.3187	2.4295	Ave		2.4693				9.7		30.0			
2-Chlorotoluene	+++++ 1.6532	1.4889 1.6400	1.5209 1.6652	1.4182	1.4580	Ave		1.5492				6.6		30.0			
4-Ethyltoluene	+++++ 2.1501	1.6305 2.1396	1.7604 2.1237	1.8059	1.9162	Ave		1.9324				10.9		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8469	1.4784 1.8490	1.5583 1.8328	1.5528	1.6450	Ave		1.6805				9.5		30.0			
n-Decane	+++++ 1.5889	+++++ 1.5737	1.4005 1.4984	1.3843	1.4500	Ave		1.4826				5.8		30.0			
Alpha Methyl Styrene	+++++ 0.9465	0.5369 0.9479	0.6188 0.9571	0.7316	0.8254	Ave		0.7949				21.5		30.0			
tert-Butylbenzene	+++++ 1.7680	1.4193 1.7657	1.4748 1.7239	1.4875	1.5692	Ave		1.6012				9.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.9051	1.4624 1.8934	1.4876 1.8523	1.5616	1.6966	Ave		1.6941				11.4		30.0			
sec-Butylbenzene	+++++ 2.8382	2.1871 2.8331	2.2943 2.7275	2.3655	2.5260	Ave		2.5388				10.5		30.0			
1,3-Dichlorobenzene	+++++ 1.1652	0.8283 1.1729	0.9039 1.1875	0.9176	1.0230	Ave		1.0283				14.5		30.0			
4-Isopropyltoluene	+++++ 2.3604	1.6360 2.3537	1.7831 2.2932	1.9320	2.0877	Ave		2.0637				14.0		30.0			
1,4-Dichlorobenzene	+++++ 1.1387	0.7745 1.1442	0.8218 1.1690	0.8740	0.9906	Ave		0.9875				16.8		30.0			
Benzyl chloride	+++++ 1.6652	0.7505 1.6769	0.8669 1.7024	1.2132	1.4453	Ave		1.3315				29.9		30.0			
n-Butylbenzene	+++++ 2.4245	1.3948 2.4377	1.5228 2.3267	1.8674	2.1372	Ave		2.0159				21.3		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

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-Dichlorobenzene	+++++ 1.1794	0.8259 1.1859	0.9492 1.1700	0.9375	1.0411	Ave		1.0413				13.7		30.0			
n-Undecane	+++++ 1.7362	+++++ 1.7671	+++++ 1.6650	1.3515	1.6093	Ave		1.6258				10.2		30.0			
n-Dodecane	+++++ 1.6081	+++++ 1.6588	+++++ 1.6227	1.0258	1.4720	Ave		1.4775				17.8		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6518	+++++ 0.6732	0.3126 0.7599	0.3753	0.5559	Ave		0.5548				31.9	*	30.0			
Hexachlorobutadiene	+++++ 0.7960	0.7339 0.8337	0.7618 0.8573	0.6811	0.7351	Ave		0.7713				8.0		30.0			
Naphthalene	+++++ 1.6656	0.7139 1.6785	0.7874 1.8132	0.9534	1.4532	Ave		1.2950				35.8	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6994	+++++ 0.7173	0.4313 0.7684	0.4759	0.6202	Ave		0.6188				22.2		30.0			

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
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74954-1 | Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 | Calibration End Date: 08/17/2024 04:14 | Calibration ID: 53334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207672/4	61667-04.D
Level 2	IC 200-207672/5	61667-05.D
Level 3	IC 200-207672/7	61667-07.D
Level 4	IC 200-207672/9	61667-09.D
Level 5	ICIS 200-207672/10	61667-10.D
Level 6	IC 200-207672/11	61667-11.D
Level 7	IC 200-207672/14	61667-14.D
Level 8	IC 200-207672/15	61667-15.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Propylene	BCM	Ave	+++++ 109147	+++++ 160411	+++++ 249216	32683	69660	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 405787	+++++ 524851	11423 988198	108577	253994	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Freon 22	BCM	Ave	+++++ 239439	+++++ 318136	7117 594882	66143	150284	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 425218	5769 570823	12434 1128889	115684	265613	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloromethane	BCM	Ave	+++++ 147758	+++++ 192126	4376 372140	40261	92253	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	797 245383	3083 318447	7155 642623	63422	148928	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butane	BCM	Ave	+++++ 392112	+++++ 516091	11544 1027088	102116	240804	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	746 199500	2593 258843	5730 524992	51225	122056	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromomethane	BCM	Ave	+++++ 231958	3225 297987	7030 602400	62211	144552	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloroethane	BCM	Ave	+++++ 117841	+++++ 139827	3539 310769	31236	75141	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Isopentane	BCM	Ave	+++++ 229925	3020 298192	6752 620888	61082	141956	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 156647	1960 196903	4290 421611	40547	95852	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 399095	5392 508136	11195 1083976	105345	247817	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Pentane	BCM	Ave	+++++ 373572	+++++ 482134	10048 1022893	96143	230300	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Ethanol	BCM	Ave	+++++ 124945	+++++ 244233	29070 538649	50030	91157	+++++ 20.0	+++++ 40.0	4.26 80.0	8.49	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Ethyl ether	BCM	Ave	+++++ 138775	1590 175464	3557 392110	35141	81726	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acrolein	BCM	Ave	+++++ 92714	+++++ 117313	+++++ 263797	23198	54741	+++++ 17.6	+++++ 23.4	+++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	620 176319	2292 224883	4785 509422	44636	107522	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Freon TF	BCM	Ave	+++++ 367487	4763 473860	9912 1051820	95053	224444	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acetone	BCM	Ave	+++++ 339300	+++++ 423201	+++++ 976112	88511	201377	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Carbon disulfide	BCM	Ave	+++++ 574888	+++++ 733223	18853 1659952	147987	350411	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	+++++ 443485	+++++ 551690	+++++ 1281983	112088	270301	+++++ 17.4	+++++ 23.2	+++++ 46.4	4.92	11.6
Acetonitrile	BCM	Ave	+++++ 204510	+++++ 259308	+++++ 568721	50687	121392	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	+++++ 330167	3902 419137	8434 917332	80286	199562	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	+++++ 294151	+++++ 374161	8143 804086	75197	180547	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 454484	+++++ 559059	+++++ 1283896	106818	272480	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	+++++ 184778	+++++ 232530	4845 508839	43854	108799	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	1109 344359	4014 437300	8541 981718	82578	205484	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 601777	6679 754889	14001 1737041	138256	345626	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Hexane	BCM	Ave	+++++ 390219	4340 493665	9046 1078148	95152	235318	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	1419 438640	5252 557641	11396 1218449	108637	264117	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	+++++ 772896	+++++ 985274	+++++ 2138337	179743	449393	+++++ 17.1	+++++ 22.8	+++++ 45.6	4.83	11.4
Methyl Ethyl Ketone	BCM	Ave	+++++ 117616	+++++ 146068	2853 338879	28403	67832	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	696 217476	2561 274817	5424 617385	53027	130073	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	+++++ 17683	+++++ 22123	+++++ 50289	4261	10388	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	82374	197293	+++++	+++++	+++++	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			333724	417185	910130			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++ 437277	5600 551988	11466 1216145	108767	262376	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 412342	5108 521908	10492 1162269	102693	248986	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	+++++ 287288	3105 363064	6725 802991	70115	172389	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	1228 417903	5099 531081	10650 1175309	103194	251726	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzene	DFBZ	Ave	+++++ 688075	8484 869851	18112 1920059	170699	413493	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 307336	3887 387395	8132 841287	77079	186457	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 1297843	13856 1642962	29919 3583458	316883	780361	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	+++++ 532864	5516 679079	12055 1457028	130230	321611	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	+++++ 187010	+++++ 234081	+++++ 537896	45224	111107	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	893 281557	3447 357549	7069 808077	68573	168224	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 307603	3617 390958	7523 874274	74214	183130	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 270755	+++++ 342616	5358 786871	61817	156258	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	+++++ 244489	2882 312058	6001 703526	59604	144643	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 144281	1822 182163	3486 430598	39661	85495	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 494632	5495 630712	12004 1411589	118675	294082	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 460339	4417 584000	9982 1318477	105050	269324	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 682694	+++++ 874782	15322 1931457	179992	416027	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Toluene	CBNZd5	Ave	+++++ 478989	5131 607673	10780 1371740	111288	279334	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Octane	DFBZ	Ave	+++++ 767983	7310 979812	16069 2095706	185257	457109	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++	3409	7841	84341	213765	+++++	0.170	0.425	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74954-1 | Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 | Calibration End Date: 08/17/2024 04:14 | Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			369696	472371	1067313			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 252472	2811 320228	6273 725135	60552	147289	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Tetrachloroethene	CBNZd5	Ave	1024 349446	4006 446947	8564 1006788	83856	205913	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd5	Ave	+++++ 638649	+++++ 833457	12557 1829814	183533	385959	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Dibromochloromethane	CBNZd5	Ave	+++++ 473619	4420 609067	10349 1394083	107062	274153	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dibromoethane	CBNZd5	Ave	+++++ 429554	4419 547700	9783 1240134	99819	250481	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chlorobenzene	CBNZd5	Ave	+++++ 628200	7078 799025	15098 1800305	148881	365061	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethylbenzene	CBNZd5	Ave	+++++ 1106747	10967 1409164	23548 3194328	253751	634716	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
m,p-Xylene	CBNZd5	Ave	+++++ 846709	7605 1080945	16802 2458812	189442	480380	+++++ 30.0	0.341 40.0	0.851 80.0	8.49	20.0
n-Nonane	CBNZd5	Ave	+++++ 678477	5888 861668	13980 1885325	158406	396644	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Xylene, o-	CBNZd5	Ave	+++++ 401316	3523 512993	7911 1177387	89091	227572	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Styrene	CBNZd5	Ave	+++++ 675565	4837 873080	11695 1981493	141452	377472	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoform	CBNZd5	Ave	+++++ 459657	3501 602220	8972 1397190	93336	262432	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cumene	CBNZd5	Ave	+++++ 1233313	10641 1574984	23172 3560106	273506	707257	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2,2-Tetrachloroethane	CBNZd5	Ave	+++++ 718177	7177 917470	15987 2094813	165989	420116	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74954-1 | Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 | Calibration End Date: 08/17/2024 04:14 | Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
1,2,3-Trichloropropane	CBNZd5	Ave	+++++	+++++	12524	130063	329446	+++++	+++++	0.425	4.24	10.00
			559774	712754	1621473			15.0	20.0	40.0		
n-Propylbenzene	CBNZd5	Ave	+++++	13157	30494	350663	912048	+++++	0.170	0.425	4.24	10.00
			1569851	2005111	4544789			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd5	Ave	+++++	9270	20084	214470	547346	+++++	0.170	0.425	4.24	10.00
			951059	1214436	2825782			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd5	Ave	+++++	10152	23246	273110	719372	+++++	0.170	0.425	4.24	10.00
			1236928	1584439	3603674			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd5	Ave	+++++	9205	20578	234833	617545	+++++	0.170	0.425	4.24	10.00
			1062490	1369206	3110108			15.0	20.0	40.0		
n-Decane	CBNZd5	Ave	+++++	+++++	18494	209343	544338	+++++	+++++	0.425	4.24	10.00
			914061	1165383	2542693			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd5	Ave	+++++	3343	8172	110644	309883	+++++	0.170	0.425	4.24	10.00
			544523	701955	1624075			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd5	Ave	+++++	8837	19475	224956	589094	+++++	0.170	0.425	4.24	10.00
			1017121	1307500	2925254			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd5	Ave	+++++	9105	19644	236159	636938	+++++	0.170	0.425	4.24	10.00
			1095939	1402114	3143264			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd5	Ave	+++++	13617	30297	357739	948311	+++++	0.170	0.425	4.24	10.00
			1632766	2097961	4628327			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd5	Ave	+++++	5157	11936	138773	384051	+++++	0.170	0.425	4.24	10.00
			670321	868521	2015010			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd5	Ave	+++++	10186	23546	292174	783747	+++++	0.170	0.425	4.24	10.00
			1357869	1742942	3891322			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd5	Ave	+++++	4822	10852	132176	371878	+++++	0.170	0.425	4.24	10.00
			655098	847324	1983718			15.0	20.0	40.0		
Benzyl chloride	CBNZd5	Ave	+++++	4673	11447	183472	542594	+++++	0.170	0.425	4.24	10.00
			957973	1241761	2888751			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74954-1 Analy Batch No.: 207672

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
n-Butylbenzene	CBNZd5	Ave	+++++ 1394756	8684 1805185	20109 3948282	282408	802328	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 678511	5142 878163	12534 1985411	141779	390846	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Undecane	CBNZd5	Ave	+++++ 998818	+++++ 1308599	+++++ 2825434	204388	604143	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
n-Dodecane	CBNZd5	Ave	+++++ 925081	+++++ 1228391	+++++ 2753551	155126	552607	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 439851	+++++ 584775	4842 1512532	66579	244794	+++++ 17.6	+++++ 23.5	0.499 46.9	4.98	11.7
Hexachlorobutadiene	CBNZd5	Ave	+++++ 514717	5136 693912	11307 1635135	115780	310176	+++++ 16.9	0.192 22.5	0.478 45.0	4.77	11.2
Naphthalene	CBNZd5	Ave	+++++ 1139277	5285 1477870	12363 3658277	171436	648677	+++++ 17.8	0.203 23.8	0.506 47.6	5.05	11.9
1,2,3-Trichlorobenzene	CBNZd5	Ave	+++++ 468770	+++++ 618842	6635 1519083	83853	271229	+++++ 17.5	+++++ 23.3	0.496 46.6	4.94	11.6

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab Sample ID: ICV 200-207672/20 Calibration Date: 08/17/2024 09:01

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61667-20.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.8978	0.9937		11.1	10.0	10.7	30.0
Dichlorodifluoromethane	Ave	3.306	3.387		10.2	10.0	2.5	30.0
Freon 22	Ave	1.998	2.064		10.3	10.0	3.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.642	3.647		10.0	10.0	0.1	30.0
Chloromethane	Ave	1.226	1.268		10.3	10.0	3.4	30.0
n-Butane	Ave	3.242	3.425		10.6	10.0	5.7	30.0
Vinyl chloride	Ave	2.112	2.139		10.1	10.0	1.3	30.0
1,3-Butadiene	Ave	1.763	1.733		9.83	10.0	-1.7	30.0
Bromomethane	Ave	1.985	1.976		9.95	10.0	-0.4	30.0
Chloroethane	Ave	0.9715	0.9552		9.83	10.0	-1.7	30.0
Isopentane	Ave	1.946	1.997		10.3	10.0	2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.288	1.347		10.5	10.0	4.6	30.0
Trichlorofluoromethane	Ave	3.361	3.386		10.1	10.0	0.8	30.0
n-Pentane	Ave	3.041	3.142		10.3	10.0	3.3	30.0
Ethanol	Ave	0.8021	0.7778		14.5	15.0	-3.0	30.0
Ethyl ether	Ave	1.114	1.173		10.5	10.0	5.3	30.0
Acrolein	Ave	0.6222	0.7112		11.4	10.0	14.3	30.0
1,1-Dichloroethene	Ave	1.540	1.472		9.56	10.0	-4.4	30.0
Freon TF	Ave	3.066	3.033		9.89	10.0	-1.1	30.0
Acetone	Ave	2.689	2.924		10.9	10.0	8.7	30.0
Carbon disulfide	Ave	4.895	4.818		9.84	10.0	-1.6	30.0
Isopropyl alcohol	Ave	3.030	3.587		11.8	10.0	18.4	30.0
Acetonitrile	Ave	1.599	1.580		9.88	10.0	-1.2	30.0
3-Chloropropene	Ave	2.651	2.386		9.00	10.0	-10.0	30.0
Methylene Chloride	Ave	2.397	2.434		10.1	10.0	1.5	30.0
tert-Butyl alcohol	Ave	3.514	3.778		10.7	10.0	7.5	30.0
Acrylonitrile	Ave	1.463	1.484		10.1	10.0	1.5	30.0
trans-1,2-Dichloroethene	Ave	2.859	2.895		10.1	10.0	1.3	30.0
Methyl tert-butyl ether	Ave	4.671	5.081		10.9	10.0	8.8	30.0
n-Hexane	Ave	3.057	3.229		10.6	10.0	5.6	30.0
1,1-Dichloroethane	Ave	3.685	3.555		9.64	10.0	-3.5	30.0
Vinyl acetate	Ave	5.223	6.127		11.7	10.0	17.3	30.0
Methyl Ethyl Ketone	Ave	0.9224	0.9627		10.4	10.0	4.4	30.0
cis-1,2-Dichloroethene	Ave	1.809	1.747		9.65	10.0	-3.5	30.0
Ethyl acetate	Ave	0.1375	0.1564		11.4	10.0	13.7	30.0
Tetrahydrofuran	Ave	0.5113	0.5301		10.4	10.0	3.7	30.0
Chloroform	Ave	3.574	3.622		10.1	10.0	1.3	30.0
1,1,1-Trichloroethane	Ave	0.6617	0.6838		10.3	10.0	3.3	30.0
Cyclohexane	Ave	0.4440	0.4764		10.7	10.0	7.3	30.0
Carbon tetrachloride	Ave	0.6856	0.6884		10.0	10.0	0.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab Sample ID: ICV 200-207672/20 Calibration Date: 08/17/2024 09:01

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61667-20.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.106	1.149		10.4	10.0	3.9	30.0
1,2-Dichloroethane	Ave	0.4963	0.5086		10.2	10.0	2.5	30.0
2,2,4-Trimethylpentane	Ave	1.996	2.143		10.7	10.0	7.4	30.0
n-Heptane	Ave	0.8140	0.8767		10.8	10.0	7.7	30.0
n-Butanol	Ave	0.2888	0.2688		9.31	10.0	-6.9	30.0
Trichloroethene	Ave	0.4666	0.4709		10.1	10.0	0.9	30.0
1,2-Dichloropropane	Ave	0.4847	0.5022		10.4	10.0	3.6	30.0
Methyl methacrylate	Ave	0.4047	0.4326		10.7	10.0	6.9	30.0
Dibromomethane	Ave	0.3868	0.4092		10.6	10.0	5.8	30.0
1,4-Dioxane	Ave	0.2349	0.2277		9.69	10.0	-3.1	30.0
Bromodichloromethane	Ave	0.7722	0.8057		10.4	10.0	4.3	30.0
cis-1,3-Dichloropropene	Ave	0.6869	0.7404		10.8	10.0	7.8	30.0
methyl isobutyl ketone	Ave	1.071	1.120		10.5	10.0	4.6	30.0
Toluene	Ave	0.7974	0.8458		10.6	10.0	6.1	30.0
n-Octane	Ave	1.143	1.232		10.8	10.0	7.7	30.0
trans-1,3-Dichloropropene	Ave	0.5475	0.6460		11.8	10.0	18.0	30.0
1,1,2-Trichloroethane	Ave	0.4311	0.4520		10.5	10.0	4.8	30.0
Tetrachloroethene	Ave	0.6214	0.6212		9.99	10.0	-0.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.084	1.103		10.2	10.0	1.7	30.0
Dibromochloromethane	Ave	0.7713	0.7995		10.4	10.0	3.7	30.0
1,2-Dibromoethane	Ave	0.7136	0.7542		10.6	10.0	5.7	30.0
Chlorobenzene	Ave	1.067	1.112		10.4	10.0	4.2	30.0
Ethylbenzene	Ave	1.803	1.934		10.7	10.0	7.3	30.0
m,p-Xylene	Ave	0.6719	0.7393		22.0	20.0	10.0	30.0
n-Nonane	Ave	1.080	1.185		11.0	10.0	9.7	30.0
Xylene, o-	Ave	0.6349	0.7037		11.1	10.0	10.8	30.0
Styrene	Ave	1.018	1.153		11.3	10.0	13.3	30.0
Bromoform	Ave	0.7134	0.7209		10.1	10.0	1.1	30.0
Cumene	Ave	1.932	2.143		11.1	10.0	10.9	30.0
1,1,2,2-Tetrachloroethane	Ave	1.186	1.229		10.4	10.0	3.6	30.0
1,2,3-Trichloropropane	Ave	0.9295	0.9706		10.4	10.0	4.4	30.0
n-Propylbenzene	Ave	2.469	2.699		10.9	10.0	9.3	30.0
2-Chlorotoluene	Ave	1.549	1.655		10.7	10.0	6.8	30.0
4-Ethyltoluene	Ave	1.932	2.146		11.1	10.0	11.1	30.0
1,3,5-Trimethylbenzene	Ave	1.680	1.836		10.9	10.0	9.2	30.0
n-Decane	Ave	1.483	1.587		10.7	10.0	7.1	30.0
Alpha Methyl Styrene	Ave	0.7949	0.8859		11.1	10.0	11.4	30.0
tert-Butylbenzene	Ave	1.601	1.770		11.1	10.0	10.5	30.0
1,2,4-Trimethylbenzene	Ave	1.694	1.866		11.0	10.0	10.1	30.0
sec-Butylbenzene	Ave	2.539	2.832		11.2	10.0	11.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab Sample ID: ICV 200-207672/20 Calibration Date: 08/17/2024 09:01

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61667-20.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.028	1.120		10.9	10.0	9.0	30.0
4-Isopropyltoluene	Ave	2.064	2.294		11.1	10.0	11.1	30.0
1,4-Dichlorobenzene	Ave	0.9875	1.101		11.1	10.0	11.5	30.0
Benzyl chloride	Ave	1.331	1.406		10.6	10.0	5.6	30.0
n-Butylbenzene	Ave	2.016	2.293		11.4	10.0	13.8	30.0
1,2-Dichlorobenzene	Ave	1.041	1.111		10.7	10.0	6.7	30.0
n-Undecane	Ave	1.626	1.701		10.5	10.0	4.6	30.0
n-Dodecane	Ave	1.477	1.414		9.57	10.0	-4.3	30.0
1,2,4-Trichlorobenzene	Ave	0.5548	0.6475		11.7	10.0	16.7	30.0
Hexachlorobutadiene	Ave	0.7713	0.9142		11.9	10.0	18.5	30.0
Naphthalene	Ave	1.295	1.497		11.6	10.0	15.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6188	0.5989		9.68	10.0	-3.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab Sample ID: CCVIS 200-208361/2 Calibration Date: 09/06/2024 07:41

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61928-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.8978	1.241		13.8	10.0	38.2*	30.0
Dichlorodifluoromethane	Ave	3.306	3.225		9.75	10.0	-2.4	30.0
Freon 22	Ave	1.998	2.285		11.4	10.0	14.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.642	3.631		9.97	10.0	-0.3	30.0
Chloromethane	Ave	1.226	1.434		11.7	10.0	17.0	30.0
Vinyl chloride	Ave	2.112	2.044		9.67	10.0	-3.2	30.0
n-Butane	Ave	3.242	3.525		10.9	10.0	8.7	30.0
1,3-Butadiene	Ave	1.763	1.690		9.58	10.0	-4.2	30.0
Bromomethane	Ave	1.985	1.906		9.60	10.0	-3.9	30.0
Chloroethane	Ave	0.9715	0.9821		10.1	10.0	1.1	30.0
Isopentane	Ave	1.946	2.122		10.9	10.0	9.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.288	1.180		9.15	10.0	-8.4	30.0
Trichlorofluoromethane	Ave	3.361	3.219		9.58	10.0	-4.2	30.0
n-Pentane	Ave	3.041	3.279		10.8	10.0	7.8	30.0
Ethanol	Ave	0.8021	0.9200		17.2	15.0	14.7	30.0
Ethyl ether	Ave	1.114	1.104		9.91	10.0	-0.9	30.0
Acrolein	Ave	0.6222	0.6380		12.0	11.7	2.5	30.0
1,1-Dichloroethene	Ave	1.540	1.315		8.54	10.0	-14.6	30.0
Freon TF	Ave	3.066	2.834		9.24	10.0	-7.6	30.0
Acetone	Ave	2.689	2.963		11.0	10.0	10.2	30.0
Carbon disulfide	Ave	4.895	4.628		9.45	10.0	-5.4	30.0
Isopropyl alcohol	Ave	3.030	3.254		12.4	11.6	7.4	30.0
Acetonitrile	Ave	1.599	1.767		11.0	10.0	10.5	30.0
3-Chloropropene	Ave	2.651	2.678		10.1	10.0	1.0	30.0
Methylene Chloride	Ave	2.397	2.412		10.1	10.0	0.6	30.0
tert-Butyl alcohol	Ave	3.514	3.659		10.4	10.0	4.1	30.0
Acrylonitrile	Ave	1.463	1.474		10.1	10.0	0.8	30.0
trans-1,2-Dichloroethene	Ave	2.859	2.637		9.22	10.0	-7.8	30.0
Methyl tert-butyl ether	Ave	4.671	4.655		9.96	10.0	-0.3	30.0
n-Hexane	Ave	3.057	2.973		9.73	10.0	-2.7	30.0
1,1-Dichloroethane	Ave	3.685	3.397		9.22	10.0	-7.8	30.0
Vinyl acetate	Ave	5.223	5.464		11.9	11.4	4.6	30.0
Methyl Ethyl Ketone	Ave	0.9224	0.8932		9.68	10.0	-3.2	30.0
cis-1,2-Dichloroethene	Ave	1.809	1.603		8.86	10.0	-11.4	30.0
Ethyl acetate	Ave	0.1375	0.1340		9.74	10.0	-2.5	30.0
Tetrahydrofuran	Ave	0.5113	0.5517		10.8	10.0	7.9	30.0
Chloroform	Ave	3.574	3.375		9.44	10.0	-5.6	30.0
1,1,1-Trichloroethane	Ave	0.6617	0.6320		9.55	10.0	-4.5	30.0
Cyclohexane	Ave	0.4440	0.4130		9.30	10.0	-7.0	30.0
Carbon tetrachloride	Ave	0.6856	0.6427		9.37	10.0	-6.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab Sample ID: CCVIS 200-208361/2 Calibration Date: 09/06/2024 07:41

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61928-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.106	1.022		9.23	10.0	-7.7	30.0
1,2-Dichloroethane	Ave	0.4963	0.4851		9.77	10.0	-2.3	30.0
2,2,4-Trimethylpentane	Ave	1.996	1.964		9.84	10.0	-1.6	30.0
n-Heptane	Ave	0.8140	0.8401		10.3	10.0	3.2	30.0
n-Butanol	Ave	0.2888	0.2965		10.3	10.0	2.6	30.0
Trichloroethene	Ave	0.4666	0.4095		8.78	10.0	-12.2	30.0
1,2-Dichloropropane	Ave	0.4847	0.4632		9.55	10.0	-4.4	30.0
Methyl methacrylate	Ave	0.4047	0.4065		10.0	10.0	0.5	30.0
Dibromomethane	Ave	0.3868	0.3611		9.33	10.0	-6.6	30.0
1,4-Dioxane	Ave	0.2349	0.2130		9.07	10.0	-9.3	30.0
Bromodichloromethane	Ave	0.7722	0.7541		9.76	10.0	-2.3	30.0
cis-1,3-Dichloropropene	Ave	0.6869	0.6739		9.81	10.0	-1.9	30.0
methyl isobutyl ketone	Ave	1.071	1.141		10.6	10.0	6.5	30.0
Toluene	Ave	0.7974	0.7408		9.29	10.0	-7.1	30.0
n-Octane	Ave	1.143	1.226		10.7	10.0	7.2	30.0
trans-1,3-Dichloropropene	Ave	0.5475	0.5600		10.2	10.0	2.3	30.0
1,1,2-Trichloroethane	Ave	0.4311	0.3984		9.24	10.0	-7.6	30.0
Tetrachloroethene	Ave	0.6214	0.5457		8.78	10.0	-12.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.084	1.105		10.2	10.0	1.9	30.0
Dibromochloromethane	Ave	0.7713	0.7426		9.63	10.0	-3.7	30.0
1,2-Dibromoethane	Ave	0.7136	0.6649		9.32	10.0	-6.8	30.0
Chlorobenzene	Ave	1.067	0.9945		9.32	10.0	-6.8	30.0
Ethylbenzene	Ave	1.803	1.754		9.73	10.0	-2.7	30.0
m,p-Xylene	Ave	0.6719	0.6654		19.8	20.0	-1.0	30.0
n-Nonane	Ave	1.080	1.099		10.2	10.0	1.7	30.0
Xylene, o-	Ave	0.6349	0.6270		9.87	10.0	-1.2	30.0
Styrene	Ave	1.018	1.059		10.4	10.0	4.0	30.0
Bromoform	Ave	0.7134	0.7392		10.4	10.0	3.6	30.0
Cumene	Ave	1.932	1.978		10.2	10.0	2.4	30.0
1,1,2,2-Tetrachloroethane	Ave	1.186	1.190		10.0	10.0	0.3	30.0
1,2,3-Trichloropropane	Ave	0.9295	0.9326		10.0	10.0	0.3	30.0
n-Propylbenzene	Ave	2.469	2.589		10.5	10.0	4.9	30.0
2-Chlorotoluene	Ave	1.549	1.547		9.98	10.0	-0.2	30.0
4-Ethyltoluene	Ave	1.932	2.050		10.6	10.0	6.1	30.0
1,3,5-Trimethylbenzene	Ave	1.680	1.772		10.5	10.0	5.4	30.0
n-Decane	Ave	1.483	1.553		10.5	10.0	4.8	30.0
Alpha Methyl Styrene	Ave	0.7949	0.8751		11.0	10.0	10.1	30.0
tert-Butylbenzene	Ave	1.601	1.710		10.7	10.0	6.8	30.0
1,2,4-Trimethylbenzene	Ave	1.694	1.830		10.8	10.0	8.0	30.0
sec-Butylbenzene	Ave	2.539	2.737		10.8	10.0	7.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Lab Sample ID: CCVIS 200-208361/2 Calibration Date: 09/06/2024 07:41

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61928-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.028	1.120		10.9	10.0	8.9	30.0
4-Isopropyltoluene	Ave	2.064	2.294		11.1	10.0	11.2	30.0
1,4-Dichlorobenzene	Ave	0.9875	1.096		11.1	10.0	10.9	30.0
Benzyl chloride	Ave	1.331	1.614		12.1	10.0	21.2	30.0
n-Butylbenzene	Ave	2.016	2.338		11.6	10.0	16.0	30.0
1,2-Dichlorobenzene	Ave	1.041	1.144		11.0	10.0	9.9	30.0
n-Undecane	Ave	1.626	1.742		10.7	10.0	7.2	30.0
n-Dodecane	Ave	1.477	1.581		10.7	10.0	7.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5548	0.5958		12.6	11.7	7.4	30.0
Hexachlorobutadiene	Ave	0.7713	0.7978		11.6	11.2	3.4	30.0
Naphthalene	Ave	1.295	1.551		14.2	11.9	19.7	30.0
1,2,3-Trichlorobenzene	Ave	0.6188	0.6449		12.1	11.6	4.2	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Instrument ID: CHX.i Start Date: 08/16/2024 14:49

Analysis Batch Number: 207672 End Date: 08/17/2024 09:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207672/1		08/16/2024 14:49	1	61667-01.D	RTX-624 0.32(mm)
IC 200-207672/4		08/16/2024 17:42	1	61667-04.D	RTX-624 0.32(mm)
IC 200-207672/5		08/16/2024 18:38	1	61667-05.D	RTX-624 0.32(mm)
ZZZZZ		08/16/2024 18:38	1		RTX-624 0.32(mm)
IC 200-207672/7		08/16/2024 20:32	1	61667-07.D	RTX-624 0.32(mm)
ZZZZZ		08/16/2024 20:32	1		RTX-624 0.32(mm)
IC 200-207672/9		08/16/2024 22:25	1	61667-09.D	RTX-624 0.32(mm)
ZZZZZ		08/16/2024 22:25	1		RTX-624 0.32(mm)
ICIS 200-207672/10		08/16/2024 23:22	1	61667-10.D	RTX-624 0.32(mm)
IC 200-207672/11		08/17/2024 00:20	1	61667-11.D	RTX-624 0.32(mm)
IC 200-207672/14		08/17/2024 03:13	1	61667-14.D	RTX-624 0.32(mm)
IC 200-207672/15		08/17/2024 04:14	1	61667-15.D	RTX-624 0.32(mm)
ZZZZZ		08/17/2024 06:09	1		RTX-624 0.32(mm)
ZZZZZ		08/17/2024 07:06	1		RTX-624 0.32(mm)
ICV 200-207672/20		08/17/2024 09:01	1	61667-20.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74954-1

SDG No.:

Instrument ID: CHX.i Start Date: 09/06/2024 06:43

Analysis Batch Number: 208361 End Date: 09/07/2024 00:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-208361/1		09/06/2024 06:43	1	61928-01.D	RTX-624 0.32(mm)
CCVIS 200-208361/2		09/06/2024 07:41	1	61928-02.D	RTX-624 0.32(mm)
LCS 200-208361/3		09/06/2024 08:39	1	61928-03.D	RTX-624 0.32(mm)
MB 200-208361/4		09/06/2024 09:36	1	61928-04.D	RTX-624 0.32(mm)
200-74954-3	4281	09/06/2024 12:00	0.2	61928-06.D	RTX-624 0.32(mm)
ZZZZZ		09/06/2024 12:58	1		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 13:56	9.35		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 14:54	1		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 15:52	1		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 16:50	1		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 17:48	1		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 18:47	1		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 19:46	1		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 20:43	7		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 21:40	15		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 22:37	6.14		RTX-624 0.32(mm)
ZZZZZ		09/06/2024 23:34	10		RTX-624 0.32(mm)
ZZZZZ		09/07/2024 00:32	1		RTX-624 0.32(mm)

Shipping and Receiving Documents

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660 1990 *fax* 802 660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples

eurofins | Environment Testing America

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** Jack Rusk	**Samples Collected By:** Ben Weintraub	COC No
Company Name: Roux	**Phone:** 845 905 6286		1 of 1 COCs
Address: 209 Shafter St	**Email:** JRusk@rouxinc.com		TALS Project #:
City/State/Zip: Islandia NY 11749			**For Lab Use Only:**
Phone: 631 234 7000	**Site Contact:** Ben Weintraub		Walk-in Client:
FAX	**Tel/Fax** 516 695 5539		Lab Sampling:
Project Name: 264 Butler	**Analysis Turnaround Time**		Job / SDG No
Site/Location:	Standard (Specific) Standard		(See below for Add'l Items)
PO# 4442.0003 Y000	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
FW SV-1_10232024	10/23/24	0757	10/23/24	1305	-30	-5	4745	4834	X														
SV-2_10232024	↓	0808	1210 ↔	10/23/24	-30	-5	4745	4271	X														

Page 770 of 772

Temperature (Fahrenheit)		
	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)		
	Interior	Ambient
Start		
Stop		

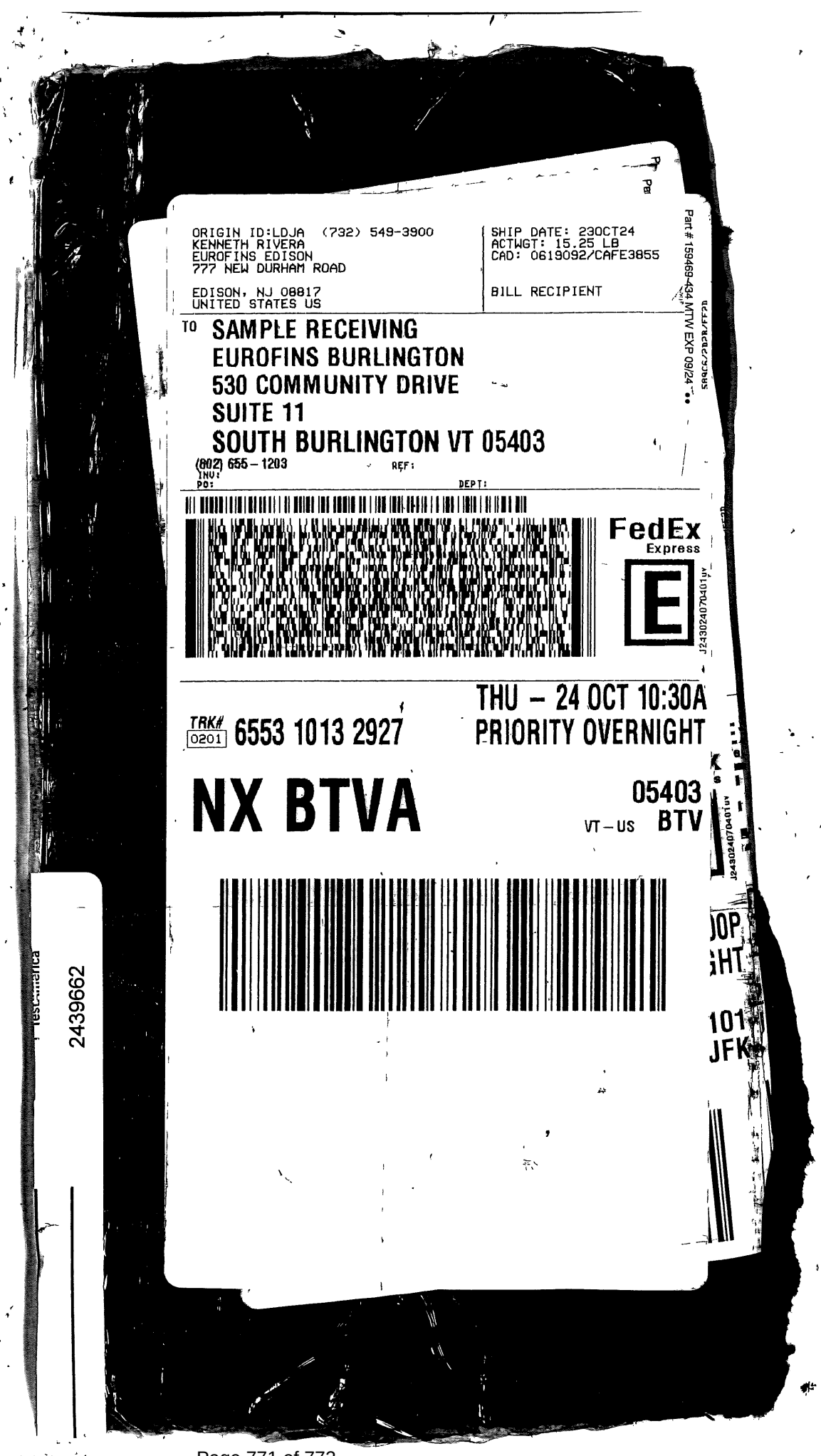
200-75561 Chain of Custody

Loc: 200
75561

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	**Date / Time:**	**Samples Received by:**
Samples Relinquished by:	**Date / Time:**	**Received by:**
Relinquished by: Ben Weintraub	**Date / Time:** 10/23/24	**Received by:** 10-23-24 14:20
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**

5ETSL 10/23/24 1900 FEDEX BUR 10/24/24 1040



ORIGIN ID:LDJA (732) 549-3900
KENNETH RIVERA
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 23OCT24
ACTWGT: 15.25 LB
CAD: 0619092/CAFE3855

BILL RECIPIENT

TO SAMPLE RECEIVING
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 655-1203

INV:
PO:
REF:
DEPT:

FedEx Express

TRK# 0201 6553 1013 2927

THU - 24 OCT 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV

2439662

Part # 159469-494 MTW EXP 09/24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 200-75561-1

Login Number: 75561
List Number: 1
Creator: Lavigne III, Scott N

List Source: Eurofins Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2439663, 9662
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
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 containers received 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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jack Rusk
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 10/28/2024 10:28:22 AM

JOB DESCRIPTION

264 Butler Street

JOB NUMBER

460-313881-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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

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.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
10/28/2024 10:28:22 AM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	Duplicate RPD exceeds control limits
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates 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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-313881-1 Eurofins Edison

Job Narrative
460-313881-1

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 10/21/2024 6:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples SB-1_(0-2) (460-313881-1), SB-1_(13-15) (460-313881-2), SB-4_(0-2) (460-313881-3), SB-4_(9-11) (460-313881-4), SB-3_(0-2) (460-313881-5) and SB-2_(0-2) (460-313881-6) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 10/22/2024 and analyzed on 10/23/2024 and 10/24/2024.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1003031 recovered outside control limits for the following analyte: 2-Butanone (MEK). This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The following sample was diluted to bring the concentration of target analytes within the calibration range: SB-1_(13-15) (460-313881-2). Elevated reporting limits (RLs) are provided.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples SB-1_(0-2) (460-313881-1), SB-1_(13-15) (460-313881-2), SB-4_(0-2) (460-313881-3), SB-4_(9-11) (460-313881-4), SB-3_(0-2) (460-313881-5) and SB-2_(0-2) (460-313881-6) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 10/22/2024 and analyzed on 10/23/2024.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples SB-1_(0-2) (460-313881-1), SB-4_(0-2) (460-313881-3), SB-3_(0-2) (460-313881-5) and SB-2_(0-2) (460-313881-6) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 10/22/2024 and 10/23/2024 and analyzed on 10/23/2024 and 10/24/2024.

CCVIS was outside the retention time window. The relative retention time of the internal standard was used to adjust for the retention time changes observed. (CCVIS 460-1003175/2)

Method 6020B - Metals (ICP/MS)
Samples SB-1_(0-2) (460-313881-1), SB-1_(13-15) (460-313881-2), SB-4_(0-2) (460-313881-3), SB-4_(9-11) (460-313881-4), SB-3_(0-2) (460-313881-5) and SB-2_(0-2) (460-313881-6) were analyzed for Metals (ICP/MS). The samples were prepared on 10/24/2024 and analyzed on 10/25/2024.

Method 7471B - Mercury (CVAA)
Samples SB-1_(0-2) (460-313881-1), SB-1_(13-15) (460-313881-2), SB-4_(0-2) (460-313881-3), SB-4_(9-11) (460-313881-4), SB-3_(0-2) (460-313881-5) and SB-2_(0-2) (460-313881-6) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 10/23/2024.

Samples SB-4_(0-2) (460-313881-3)[40x], SB-4_(9-11) (460-313881-4)[3x] and SB-2_(0-2) (460-313881-6)[3x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method Moisture - Percent Moisture
Samples SB-1_(0-2) (460-313881-1), SB-1_(13-15) (460-313881-2), SB-4_(0-2) (460-313881-3), SB-4_(9-11) (460-313881-4), SB-3_(0-2) (460-313881-5) and SB-2_(0-2) (460-313881-6) were analyzed for Percent Moisture. The samples were analyzed on

Job ID: 460-313881-1 (Continued)

10/22/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313881-1
Project/Site: 264 Butler Street

Client Sample ID: SB-1_(0-2)
Lab Sample ID: 460-313881-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00081	J	0.0014	0.00033	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.036	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.56		0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.41		0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.94		0.035	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.1		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.1		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.77		0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.33		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.2		0.35	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.21		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.043	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.91		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.19	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.63		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.33	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.90		0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.4		0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Arsenic	4.1		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	116		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.14	J	0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	5.9		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Copper	20.5		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Lead	481		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Manganese	96.6		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	14.3		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.44	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Zinc	144		8.0	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.42		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-1_(13-15)
Lab Sample ID: 460-313881-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.0		0.21	0.048	mg/Kg	50	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.50		0.21	0.052	mg/Kg	50	☼	8260D	Total/NA
Benzene	0.82		0.21	0.042	mg/Kg	50	☼	8260D	Total/NA
Ethylbenzene	0.33		0.21	0.062	mg/Kg	50	☼	8260D	Total/NA
n-Butylbenzene	6.2		0.21	0.056	mg/Kg	50	☼	8260D	Total/NA
N-Propylbenzene	6.2		0.21	0.060	mg/Kg	50	☼	8260D	Total/NA
sec-Butylbenzene	9.8		0.21	0.064	mg/Kg	50	☼	8260D	Total/NA
tert-Butylbenzene	0.72		0.21	0.058	mg/Kg	50	☼	8260D	Total/NA
Toluene	0.29		0.21	0.052	mg/Kg	50	☼	8260D	Total/NA
Xylenes, Total	2.0		0.41	0.058	mg/Kg	50	☼	8260D	Total/NA
3 & 4 Methylphenol	0.50		0.38	0.024	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.45		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.19	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.22	J	0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.14		0.038	0.029	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.092		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.15		0.038	0.0099	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: SB-1_(13-15) (Continued)
Lab Sample ID: 460-313881-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.060	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.053		0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.15	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.019	J	0.038	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.46		0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.56		0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.60		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.060		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	1.2		0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.6		0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.48		0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Arsenic	8.4		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	120		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.11	J	0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	1.2		1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Chromium	5.0		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Copper	20.5		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Lead	651		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Manganese	149		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.4		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Selenium	1.3		1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Zinc	1540		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.42		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-4_(0-2)
Lab Sample ID: 460-313881-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00059	J	0.0013	0.00033	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0011	J	0.0013	0.00026	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0035		0.0026	0.0015	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00052	J	0.0013	0.00031	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0097		0.0026	0.00023	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.017	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.032	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.052	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.27		0.036	0.027	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.31		0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.35		0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.19	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.14		0.036	0.0070	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.27	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.046		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.47		0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.011	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.19		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.014	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.24	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.49		0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Arsenic	6.5		0.99	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	101		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-4_(0-2) (Continued)
Lab Sample ID: 460-313881-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.33	J	0.40	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.29	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.4		2.0	0.90	mg/Kg	1	☼	6020B	Total/NA
Copper	32.4		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Lead	329		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Manganese	217		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	18.2		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.64	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.24	J	0.40	0.088	mg/Kg	1	☼	6020B	Total/NA
Zinc	184		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	14.6		0.69	0.33	mg/Kg	40	☼	7471B	Total/NA

Client Sample ID: SB-4_(9-11)
Lab Sample ID: 460-313881-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.018		0.0067	0.00050	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.092		0.0081	0.0077	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0016	J	0.0027	0.0015	mg/Kg	1	☼	8260D	Total/NA
3 & 4 Methylphenol	0.054	J	0.39	0.025	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.095	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.022	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.17	J	0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.55		0.039	0.030	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.60		0.039	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.73		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.40		0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.25		0.039	0.0077	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.61		0.39	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.092		0.039	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.079	J	0.39	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.83		0.39	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.074	J	0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.37		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.42		0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.65		0.39	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.89		0.39	0.0098	mg/Kg	1	☼	8270E	Total/NA
Arsenic	4.6		1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Barium	143		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.38	J	0.47	0.066	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.15	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.4		2.3	1.1	mg/Kg	1	☼	6020B	Total/NA
Copper	34.0		2.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Lead	223		0.70	0.23	mg/Kg	1	☼	6020B	Total/NA
Manganese	242		4.7	0.47	mg/Kg	1	☼	6020B	Total/NA
Nickel	19.3		2.3	0.55	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.71	J	1.5	0.15	mg/Kg	1	☼	6020B	Total/NA
Silver	0.12	J	0.47	0.10	mg/Kg	1	☼	6020B	Total/NA
Zinc	75.3		9.3	3.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	1.5		0.059	0.028	mg/Kg	3	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313881-1
Project/Site: 264 Butler Street

Client Sample ID: SB-3_(0-2)
Lab Sample ID: 460-313881-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0023	J	0.0028	0.0016	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00084	J	0.0014	0.00033	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.063	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.068	J	0.34	0.0098	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.18	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.55		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.59		0.034	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.71		0.034	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.38		0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.23		0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.57		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.083		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.057	J	0.34	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.1		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.075	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.36		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.17	J	0.34	0.0059	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.89		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.1		0.34	0.0085	mg/Kg	1	☼	8270E	Total/NA
Arsenic	12.4		0.93	0.096	mg/Kg	1	☼	6020B	Total/NA
Barium	117		1.9	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.26	J	0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.26	J	0.93	0.10	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.3		1.9	0.84	mg/Kg	1	☼	6020B	Total/NA
Copper	28.8		1.9	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	447		0.56	0.19	mg/Kg	1	☼	6020B	Total/NA
Manganese	179		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	20.4		1.9	0.44	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.66	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	1.2		0.37	0.083	mg/Kg	1	☼	6020B	Total/NA
Zinc	120		7.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.57		0.017	0.0078	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2_(0-2)
Lab Sample ID: 460-313881-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0090		0.0078	0.0074	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0040		0.0026	0.0015	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00074	J	0.0013	0.00030	mg/Kg	1	☼	8260D	Total/NA
Acenaphthylene	0.040	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.051	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.14		0.037	0.028	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.25		0.037	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.29		0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.28	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.093		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.17	J	0.37	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.048		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.028	J	0.37	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.20	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.012	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-2_(0-2) (Continued)
Lab Sample ID: 460-313881-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	0.22		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.10	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.19	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.23	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Arsenic	10.7		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	92.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.28	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.5		2.1	0.98	mg/Kg	1	☼	6020B	Total/NA
Copper	39.5		2.1	0.40	mg/Kg	1	☼	6020B	Total/NA
Lead	292		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Manganese	169		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	26.3		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.64	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	0.43	0.096	mg/Kg	1	☼	6020B	Total/NA
Zinc	124		8.6	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	1.1		0.056	0.026	mg/Kg	3	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-1_(0-2)
Lab Sample ID: 460-313881-1
Date Collected: 10/21/24 08:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00034	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
2-Butanone (MEK)	0.0070	U	0.0070	0.00051	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Acetone	0.0084	U	0.0084	0.0080	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
N-Propylbenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Toluene	**0.00081**	**J**	0.0014	0.00033	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Vinyl chloride	0.0014	U	0.0014	0.00076	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1
Xylenes, Total	0.0028	U	0.0028	0.00024	mg/Kg	☼	10/22/24 11:34	10/24/24 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*10/22/24 11:34*	*10/24/24 15:39*	*1*
4-Bromofluorobenzene	*86*		*71 - 128*	*10/22/24 11:34*	*10/24/24 15:39*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*10/22/24 11:34*	*10/24/24 15:39*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*10/22/24 11:34*	*10/24/24 15:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Acenaphthene	**0.036**	**J**	0.35	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Acenaphthylene	**0.56**		0.35	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Anthracene	**0.41**		0.35	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Benzo[a]anthracene	**0.94**		0.035	0.026	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Benzo[a]pyrene	**1.1**		0.035	0.0093	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Benzo[b]fluoranthene	**1.1**		0.035	0.0091	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Benzo[g,h,i]perylene	**0.77**		0.35	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Benzo[k]fluoranthene	**0.33**		0.035	0.0069	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Chrysene	**1.2**		0.35	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1

Client Sample ID: SB-1_(0-2)
Date Collected: 10/21/24 08:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-1
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	**0.21**		0.035	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Dibenzofuran	**0.043**	**J**	0.35	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Fluoranthene	**0.91**		0.35	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Fluorene	**0.19**	**J**	0.35	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Indeno[1,2,3-cd]pyrene	**0.63**		0.035	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Naphthalene	**0.33**	**J**	0.35	0.0061	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Phenanthrene	**0.90**		0.35	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1
Pyrene	**1.4**		0.35	0.0087	mg/Kg	☼	10/22/24 22:32	10/23/24 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 137*	*10/22/24 22:32*	*10/23/24 13:26*	*1*
2-Fluorobiphenyl	*95*		*38 - 128*	*10/22/24 22:32*	*10/23/24 13:26*	*1*
2-Fluorophenol (Surr)	*85*		*31 - 133*	*10/22/24 22:32*	*10/23/24 13:26*	*1*
Nitrobenzene-d5 (Surr)	*85*		*31 - 120*	*10/22/24 22:32*	*10/23/24 13:26*	*1*
Phenol-d5 (Surr)	*87*		*35 - 132*	*10/22/24 22:32*	*10/23/24 13:26*	*1*
Terphenyl-d14 (Surr)	*96*		*44 - 147*	*10/22/24 22:32*	*10/23/24 13:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	10/23/24 18:02	10/24/24 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*20 - 150*	*10/23/24 18:02*	*10/24/24 05:49*	*1*
DCB Decachlorobiphenyl	*57*		*20 - 150*	*10/23/24 18:02*	*10/24/24 05:49*	*1*
Tetrachloro-m-xylene	*57*		*20 - 150*	*10/23/24 18:02*	*10/24/24 05:49*	*1*
Tetrachloro-m-xylene	*62*		*20 - 150*	*10/23/24 18:02*	*10/24/24 05:49*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.1**		1.0	0.10	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Barium	**116**		2.0	0.15	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Beryllium	**0.14**	**J**	0.40	0.057	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Cadmium	**0.27**	**J**	1.0	0.11	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Chromium	**5.9**		2.0	0.91	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Copper	**20.5**		2.0	0.37	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Lead	**481**		0.60	0.20	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Manganese	**96.6**		4.0	0.40	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Nickel	**14.3**		2.0	0.47	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1

Client Sample ID: SB-1_(0-2)
Lab Sample ID: 460-313881-1
Date Collected: 10/21/24 08:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 94.1

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**0.44**	**J**	1.3	0.13	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Silver	0.40	U	0.40	0.089	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1
Zinc	**144**		8.0	3.1	mg/Kg	☼	10/24/24 09:21	10/25/24 14:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.42**		0.017	0.0082	mg/Kg	☼	10/23/24 01:29	10/23/24 06:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.9**		1.0	1.0	%			10/22/24 17:06	1
Percent Solids (EPA Moisture)	**94.1**		1.0	1.0	%			10/22/24 17:06	1

Client Sample ID: SB-1_(13-15)
Lab Sample ID: 460-313881-2
Date Collected: 10/21/24 09:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.21	U	0.21	0.058	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
1,1-Dichloroethane	0.21	U	0.21	0.050	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
1,1-Dichloroethene	0.21	U	0.21	0.055	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
1,2,4-Trimethylbenzene	**2.0**		0.21	0.048	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
1,2-Dichlorobenzene	0.21	U	0.21	0.045	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
1,2-Dichloroethane	0.21	U	0.21	0.052	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
1,3,5-Trimethylbenzene	**0.50**		0.21	0.052	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
1,3-Dichlorobenzene	0.21	U	0.21	0.068	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
1,4-Dichlorobenzene	0.21	U	0.21	0.069	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
2-Butanone (MEK)	1.0	U	1.0	0.45	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Acetone	1.0	U	1.0	0.91	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Benzene	**0.82**		0.21	0.042	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Carbon tetrachloride	0.21	U	0.21	0.068	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Chlorobenzene	0.21	U	0.21	0.050	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Chloroform	0.21	U	0.21	0.045	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
cis-1,2-Dichloroethene	0.21	U	0.21	0.054	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Ethylbenzene	**0.33**		0.21	0.062	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Methyl tert-butyl ether	0.21	U	0.21	0.044	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Methylene Chloride	0.21	U	0.21	0.043	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
n-Butylbenzene	**6.2**		0.21	0.056	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
N-Propylbenzene	**6.2**		0.21	0.060	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
sec-Butylbenzene	**9.8**		0.21	0.064	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
tert-Butylbenzene	**0.72**		0.21	0.058	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Tetrachloroethene	0.21	U	0.21	0.074	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Toluene	**0.29**		0.21	0.052	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
trans-1,2-Dichloroethene	0.21	U	0.21	0.037	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Trichloroethene	0.21	U	0.21	0.045	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Vinyl chloride	0.21	U	0.21	0.041	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50
Xylenes, Total	**2.0**		0.41	0.058	mg/Kg	☼	10/22/24 11:29	10/23/24 13:01	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 150*	*10/22/24 11:29*	*10/23/24 13:01*	*50*

Client Sample ID: SB-1_(13-15)
Date Collected: 10/21/24 09:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-2
Matrix: Solid
Percent Solids: 86.4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 150*	*10/22/24 11:29*	*10/23/24 13:01*	*50*
Dibromofluoromethane (Surr)	*95*		*68 - 150*	*10/22/24 11:29*	*10/23/24 13:01*	*50*
Toluene-d8 (Surr)	*103*		*64 - 157*	*10/22/24 11:29*	*10/23/24 13:01*	*50*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
3 & 4 Methylphenol	**0.50**		0.38	0.024	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Acenaphthene	**0.45**		0.38	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Acenaphthylene	**0.19**	**J**	0.38	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Anthracene	**0.22**	**J**	0.38	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Benzo[a]anthracene	**0.14**		0.038	0.029	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Benzo[a]pyrene	**0.092**		0.038	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Benzo[b]fluoranthene	**0.15**		0.038	0.0099	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Benzo[g,h,i]perylene	**0.060**	**J**	0.38	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Benzo[k]fluoranthene	**0.053**		0.038	0.0075	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Chrysene	**0.15**	**J**	0.38	0.016	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Dibenz(a,h)anthracene	**0.019**	**J**	0.038	0.017	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Dibenzofuran	**0.46**		0.38	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Fluoranthene	**0.56**		0.38	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Fluorene	**0.60**		0.38	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Indeno[1,2,3-cd]pyrene	**0.060**		0.038	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Naphthalene	**1.2**		0.38	0.0066	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Phenanthrene	**1.6**		0.38	0.016	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1
Pyrene	**0.48**		0.38	0.0095	mg/Kg	☼	10/22/24 22:32	10/23/24 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*24 - 137*	*10/22/24 22:32*	*10/23/24 10:44*	*1*
2-Fluorobiphenyl	*63*		*38 - 128*	*10/22/24 22:32*	*10/23/24 10:44*	*1*
2-Fluorophenol (Surr)	*61*		*31 - 133*	*10/22/24 22:32*	*10/23/24 10:44*	*1*
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*	*10/22/24 22:32*	*10/23/24 10:44*	*1*
Phenol-d5 (Surr)	*60*		*35 - 132*	*10/22/24 22:32*	*10/23/24 10:44*	*1*
Terphenyl-d14 (Surr)	*64*		*44 - 147*	*10/22/24 22:32*	*10/23/24 10:44*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.4**		1.0	0.11	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Barium	**120**		2.1	0.15	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Beryllium	**0.11**	**J**	0.41	0.059	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Cadmium	**1.2**		1.0	0.12	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Chromium	**5.0**		2.1	0.94	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Copper	**20.5**		2.1	0.38	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Lead	**651**		0.62	0.21	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Manganese	**149**		4.1	0.42	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Nickel	**7.4**		2.1	0.49	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Selenium	**1.3**		1.3	0.13	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1

Client Sample ID: SB-1_(13-15)
Lab Sample ID: 460-313881-2
Date Collected: 10/21/24 09:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 86.4

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.13	J	0.41	0.092	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1
Zinc	1540		8.3	3.2	mg/Kg	☼	10/24/24 09:21	10/25/24 14:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.42		0.017	0.0082	mg/Kg	☼	10/23/24 01:29	10/23/24 06:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.6		1.0	1.0	%			10/22/24 17:06	1
Percent Solids (EPA Moisture)	86.4		1.0	1.0	%			10/22/24 17:06	1

Client Sample ID: SB-4_(0-2)
Lab Sample ID: 460-313881-3
Date Collected: 10/21/24 10:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
1,2,4-Trimethylbenzene	0.00059	J	0.0013	0.00033	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00042	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
2-Butanone (MEK)	0.0066	U	0.0066	0.00049	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Acetone	0.0079	U	0.0079	0.0076	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Benzene	0.0013	U	0.0013	0.00034	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Carbon tetrachloride	0.0013	U	0.0013	0.00051	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Ethylbenzene	0.0011	J	0.0013	0.00026	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00068	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Methylene Chloride	0.0035		0.0026	0.0015	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
n-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
N-Propylbenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
sec-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
tert-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Toluene	0.00052	J	0.0013	0.00031	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Vinyl chloride	0.0013	U	0.0013	0.00072	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1
Xylenes, Total	0.0097		0.0026	0.00023	mg/Kg	☼	10/22/24 11:38	10/24/24 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*10/22/24 11:38*	*10/24/24 02:46*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*10/22/24 11:38*	*10/24/24 02:46*	*1*

Client Sample ID: SB-4_(0-2)
Lab Sample ID: 460-313881-3
Date Collected: 10/21/24 10:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 92.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*10/22/24 11:38*	*10/24/24 02:46*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*10/22/24 11:38*	*10/24/24 02:46*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Acenaphthene	**0.017**	**J**	0.36	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Acenaphthylene	**0.032**	**J**	0.36	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Anthracene	**0.052**	**J**	0.36	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Benzo[a]anthracene	**0.27**		0.036	0.027	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Benzo[a]pyrene	**0.31**		0.036	0.0096	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Benzo[b]fluoranthene	**0.35**		0.036	0.0093	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Benzo[g,h,i]perylene	**0.19**	**J**	0.36	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Benzo[k]fluoranthene	**0.14**		0.036	0.0070	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Chrysene	**0.27**	**J**	0.36	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Dibenz(a,h)anthracene	**0.046**		0.036	0.016	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Fluoranthene	**0.47**		0.36	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Fluorene	**0.011**	**J**	0.36	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Indeno[1,2,3-cd]pyrene	**0.19**		0.036	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Naphthalene	**0.014**	**J**	0.36	0.0062	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Phenanthrene	**0.24**	**J**	0.36	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1
Pyrene	**0.49**		0.36	0.0089	mg/Kg	☼	10/22/24 22:32	10/23/24 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*92*		*24 - 137*	*10/22/24 22:32*	*10/23/24 13:49*	*1*
2-Fluorobiphenyl	*98*		*38 - 128*	*10/22/24 22:32*	*10/23/24 13:49*	*1*
2-Fluorophenol (Surr)	*90*		*31 - 133*	*10/22/24 22:32*	*10/23/24 13:49*	*1*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*	*10/22/24 22:32*	*10/23/24 13:49*	*1*
Phenol-d5 (Surr)	*91*		*35 - 132*	*10/22/24 22:32*	*10/23/24 13:49*	*1*
Terphenyl-d14 (Surr)	*96*		*44 - 147*	*10/22/24 22:32*	*10/23/24 13:49*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	10/22/24 17:18	10/23/24 01:26	1

Client Sample ID: SB-4_(0-2)
Lab Sample ID: 460-313881-3
Date Collected: 10/21/24 10:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 92.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*		*20 - 150*	*10/22/24 17:18*	*10/23/24 01:26*	*1*
DCB Decachlorobiphenyl	*61*		*20 - 150*	*10/22/24 17:18*	*10/23/24 01:26*	*1*
Tetrachloro-m-xylene	*48*		*20 - 150*	*10/22/24 17:18*	*10/23/24 01:26*	*1*
Tetrachloro-m-xylene	*70*		*20 - 150*	*10/22/24 17:18*	*10/23/24 01:26*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.5**		0.99	0.10	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Barium	**101**		2.0	0.14	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Beryllium	**0.33**	**J**	0.40	0.056	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Cadmium	**0.29**	**J**	0.99	0.11	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Chromium	**11.4**		2.0	0.90	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Copper	**32.4**		2.0	0.36	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Lead	**329**		0.59	0.20	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Manganese	**217**		4.0	0.40	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Nickel	**18.2**		2.0	0.46	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Selenium	**0.64**	**J**	1.2	0.13	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Silver	**0.24**	**J**	0.40	0.088	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1
Zinc	**184**		7.9	3.0	mg/Kg	☼	10/24/24 09:21	10/25/24 14:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14.6**		0.69	0.33	mg/Kg	☼	10/23/24 01:29	10/23/24 06:53	40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.0**		1.0	1.0	%			10/22/24 17:06	1
Percent Solids (EPA Moisture)	**92.0**		1.0	1.0	%			10/22/24 17:06	1

Client Sample ID: SB-4_(9-11)
Lab Sample ID: 460-313881-4
Date Collected: 10/21/24 11:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00042	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
2-Butanone (MEK)	**0.018**		0.0067	0.00050	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Acetone	**0.092**		0.0081	0.0077	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Benzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Chlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1

Client Sample ID: SB-4_(9-11)
Date Collected: 10/21/24 11:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-4
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.0013	U	0.0013	0.00027	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00069	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Methylene Chloride	**0.0016**	**J**	0.0027	0.0015	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
n-Butylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
N-Propylbenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
sec-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
tert-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Tetrachloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Toluene	0.0013	U	0.0013	0.00032	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Vinyl chloride	0.0013	U	0.0013	0.00074	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1
Xylenes, Total	0.0027	U	0.0027	0.00023	mg/Kg	☼	10/22/24 11:41	10/24/24 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*10/22/24 11:41*	*10/24/24 14:50*	*1*
4-Bromofluorobenzene	*88*		*71 - 128*	*10/22/24 11:41*	*10/24/24 14:50*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*10/22/24 11:41*	*10/24/24 14:50*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*10/22/24 11:41*	*10/24/24 14:50*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
3 & 4 Methylphenol	**0.054**	**J**	0.39	0.025	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Acenaphthene	**0.095**	**J**	0.39	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Acenaphthylene	**0.022**	**J**	0.39	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Anthracene	**0.17**	**J**	0.39	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Benzo[a]anthracene	**0.55**		0.039	0.030	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Benzo[a]pyrene	**0.60**		0.039	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Benzo[b]fluoranthene	**0.73**		0.039	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Benzo[g,h,i]perylene	**0.40**		0.39	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Benzo[k]fluoranthene	**0.25**		0.039	0.0077	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Chrysene	**0.61**		0.39	0.017	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Dibenz(a,h)anthracene	**0.092**		0.039	0.017	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Dibenzofuran	**0.079**	**J**	0.39	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Fluoranthene	**0.83**		0.39	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Fluorene	**0.074**	**J**	0.39	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Hexachlorobenzene	0.039	U	0.039	0.019	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Indeno[1,2,3-cd]pyrene	**0.37**		0.039	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Naphthalene	**0.42**		0.39	0.0068	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Pentachlorophenol	0.32	U	0.32	0.081	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Phenanthrene	**0.65**		0.39	0.016	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Phenol	0.39	U	0.39	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1
Pyrene	**0.89**		0.39	0.0098	mg/Kg	☼	10/22/24 22:32	10/23/24 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*24 - 137*	*10/22/24 22:32*	*10/23/24 11:07*	*1*
2-Fluorobiphenyl	*98*		*38 - 128*	*10/22/24 22:32*	*10/23/24 11:07*	*1*
2-Fluorophenol (Surr)	*93*		*31 - 133*	*10/22/24 22:32*	*10/23/24 11:07*	*1*

Client Sample ID: SB-4_(9-11)
Lab Sample ID: 460-313881-4
Date Collected: 10/21/24 11:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 83.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*90*		*31 - 120*	*10/22/24 22:32*	*10/23/24 11:07*	*1*
Phenol-d5 (Surr)	*93*		*35 - 132*	*10/22/24 22:32*	*10/23/24 11:07*	*1*
Terphenyl-d14 (Surr)	*107*		*44 - 147*	*10/22/24 22:32*	*10/23/24 11:07*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		1.2	0.12	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Barium	**143**		2.3	0.17	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Beryllium	**0.38**	**J**	0.47	0.066	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Cadmium	**0.15**	**J**	1.2	0.13	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Chromium	**13.4**		2.3	1.1	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Copper	**34.0**		2.3	0.43	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Lead	**223**		0.70	0.23	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Manganese	**242**		4.7	0.47	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Nickel	**19.3**		2.3	0.55	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Selenium	**0.71**	**J**	1.5	0.15	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Silver	**0.12**	**J**	0.47	0.10	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1
Zinc	**75.3**		9.3	3.5	mg/Kg	☼	10/24/24 09:21	10/25/24 14:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.5**		0.059	0.028	mg/Kg	☼	10/23/24 01:29	10/23/24 06:55	3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**16.5**		1.0	1.0	%			10/22/24 17:06	1
Percent Solids (EPA Moisture)	**83.5**		1.0	1.0	%			10/22/24 17:06	1

Client Sample ID: SB-3_(0-2)
Lab Sample ID: 460-313881-5
Date Collected: 10/21/24 12:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 96.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
2-Butanone (MEK)	0.0070	U	0.0070	0.00052	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Acetone	0.0084	U	0.0084	0.0080	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1

Client Sample ID: SB-3_(0-2)
Lab Sample ID: 460-313881-5

Date Collected: 10/21/24 12:30
Matrix: Solid

Date Received: 10/21/24 18:20
Percent Solids: 96.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Methylene Chloride	**0.0023**	**J**	0.0028	0.0016	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Toluene	**0.00084**	**J**	0.0014	0.00033	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1
Xylenes, Total	0.0028	U	0.0028	0.00024	mg/Kg	☼	10/22/24 11:43	10/24/24 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*10/22/24 11:43*	*10/24/24 01:56*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*10/22/24 11:43*	*10/24/24 01:56*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*10/22/24 11:43*	*10/24/24 01:56*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*10/22/24 11:43*	*10/24/24 01:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Acenaphthene	**0.063**	**J**	0.34	0.0097	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Acenaphthylene	**0.068**	**J**	0.34	0.0098	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Anthracene	**0.18**	**J**	0.34	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Benzo[a]anthracene	**0.55**		0.034	0.026	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Benzo[a]pyrene	**0.59**		0.034	0.0091	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Benzo[b]fluoranthene	**0.71**		0.034	0.0089	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Benzo[g,h,i]perylene	**0.38**		0.34	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Benzo[k]fluoranthene	**0.23**		0.034	0.0067	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Chrysene	**0.57**		0.34	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Dibenz(a,h)anthracene	**0.083**		0.034	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Dibenzofuran	**0.057**	**J**	0.34	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Fluoranthene	**1.1**		0.34	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Fluorene	**0.075**	**J**	0.34	0.010	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Indeno[1,2,3-cd]pyrene	**0.36**		0.034	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Naphthalene	**0.17**	**J**	0.34	0.0059	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Pentachlorophenol	0.28	U	0.28	0.070	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Phenanthrene	**0.89**		0.34	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1
Pyrene	**1.1**		0.34	0.0085	mg/Kg	☼	10/22/24 22:32	10/23/24 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*10/22/24 22:32*	*10/23/24 14:12*	*1*
2-Fluorobiphenyl	*95*		*38 - 128*	*10/22/24 22:32*	*10/23/24 14:12*	*1*
2-Fluorophenol (Surr)	*91*		*31 - 133*	*10/22/24 22:32*	*10/23/24 14:12*	*1*

Client Sample ID: SB-3_(0-2)
Lab Sample ID: 460-313881-5

Date Collected: 10/21/24 12:30
Matrix: Solid

Date Received: 10/21/24 18:20
Percent Solids: 96.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*31 - 120*	*10/22/24 22:32*	*10/23/24 14:12*	*1*
Phenol-d5 (Surr)	*92*		*35 - 132*	*10/22/24 22:32*	*10/23/24 14:12*	*1*
Terphenyl-d14 (Surr)	*99*		*44 - 147*	*10/22/24 22:32*	*10/23/24 14:12*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Aroclor 1221	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Aroclor 1232	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Aroclor 1242	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Aroclor 1248	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Aroclor 1254	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Aroclor 1260	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Aroclor-1262	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Aroclor 1268	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1
Polychlorinated biphenyls, Total	0.070	U	0.070	0.018	mg/Kg	☼	10/22/24 17:18	10/23/24 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*35*		*20 - 150*	*10/22/24 17:18*	*10/23/24 01:43*	*1*
DCB Decachlorobiphenyl	*43*		*20 - 150*	*10/22/24 17:18*	*10/23/24 01:43*	*1*
Tetrachloro-m-xylene	*40*		*20 - 150*	*10/22/24 17:18*	*10/23/24 01:43*	*1*
Tetrachloro-m-xylene	*54*		*20 - 150*	*10/22/24 17:18*	*10/23/24 01:43*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12.4**		0.93	0.096	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Barium	**117**		1.9	0.13	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Beryllium	**0.26**	**J**	0.37	0.053	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Cadmium	**0.26**	**J**	0.93	0.10	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Chromium	**11.3**		1.9	0.84	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Copper	**28.8**		1.9	0.34	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Lead	**447**		0.56	0.19	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Manganese	**179**		3.7	0.37	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Nickel	**20.4**		1.9	0.44	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Selenium	**0.66**	**J**	1.2	0.12	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Silver	**1.2**		0.37	0.083	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1
Zinc	**120**		7.4	2.8	mg/Kg	☼	10/24/24 09:21	10/25/24 14:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.57**		0.017	0.0078	mg/Kg	☼	10/23/24 01:29	10/23/24 06:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.8**		1.0	1.0	%			10/22/24 17:06	1
Percent Solids (EPA Moisture)	**96.2**		1.0	1.0	%			10/22/24 17:06	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler Street

Job ID: 460-313881-1

Client Sample ID: SB-2_(0-2)
Date Collected: 10/21/24 13:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-6
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00041	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
2-Butanone (MEK)	0.0065	U	0.0065	0.00048	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Acetone	**0.0090**		0.0078	0.0074	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Methylene Chloride	**0.0040**		0.0026	0.0015	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
N-Propylbenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
tert-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Toluene	**0.00074**	**J**	0.0013	0.00030	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Vinyl chloride	0.0013	U	0.0013	0.00071	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1
Xylenes, Total	0.0026	U	0.0026	0.00023	mg/Kg	☼	10/22/24 11:45	10/24/24 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*10/22/24 11:45*	*10/24/24 02:21*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*10/22/24 11:45*	*10/24/24 02:21*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*10/22/24 11:45*	*10/24/24 02:21*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*10/22/24 11:45*	*10/24/24 02:21*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Acenaphthylene	**0.040**	**J**	0.37	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Anthracene	**0.051**	**J**	0.37	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Benzo[a]anthracene	**0.14**		0.037	0.028	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Benzo[a]pyrene	**0.25**		0.037	0.0099	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Benzo[b]fluoranthene	**0.29**		0.037	0.0096	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Benzo[g,h,i]perylene	**0.28**	**J**	0.37	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Benzo[k]fluoranthene	**0.093**		0.037	0.0073	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Chrysene	**0.17**	**J**	0.37	0.016	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313881-1
Project/Site: 264 Butler Street

Client Sample ID: SB-2_(0-2)
Lab Sample ID: 460-313881-6
Date Collected: 10/21/24 13:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 88.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.048		0.037	0.016	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Dibenzofuran	0.028	J	0.37	0.012	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Fluoranthene	0.20	J	0.37	0.013	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Fluorene	0.012	J	0.37	0.011	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Indeno[1,2,3-cd]pyrene	0.22		0.037	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Naphthalene	0.10	J	0.37	0.0064	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Phenanthrene	0.19	J	0.37	0.015	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1
Pyrene	0.23	J	0.37	0.0092	mg/Kg	☼	10/22/24 22:32	10/23/24 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 137*	*10/22/24 22:32*	*10/23/24 14:36*	*1*
2-Fluorobiphenyl	*96*		*38 - 128*	*10/22/24 22:32*	*10/23/24 14:36*	*1*
2-Fluorophenol (Surr)	*86*		*31 - 133*	*10/22/24 22:32*	*10/23/24 14:36*	*1*
Nitrobenzene-d5 (Surr)	*86*		*31 - 120*	*10/22/24 22:32*	*10/23/24 14:36*	*1*
Phenol-d5 (Surr)	*89*		*35 - 132*	*10/22/24 22:32*	*10/23/24 14:36*	*1*
Terphenyl-d14 (Surr)	*96*		*44 - 147*	*10/22/24 22:32*	*10/23/24 14:36*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	10/22/24 17:18	10/23/24 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*20 - 150*	*10/22/24 17:18*	*10/23/24 02:01*	*1*
DCB Decachlorobiphenyl	*65*		*20 - 150*	*10/22/24 17:18*	*10/23/24 02:01*	*1*
Tetrachloro-m-xylene	*76*		*20 - 150*	*10/22/24 17:18*	*10/23/24 02:01*	*1*
Tetrachloro-m-xylene	*73*		*20 - 150*	*10/22/24 17:18*	*10/23/24 02:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.7		1.1	0.11	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Barium	92.3		2.1	0.16	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Beryllium	0.27	J	0.43	0.061	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Cadmium	0.28	J	1.1	0.12	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Chromium	11.5		2.1	0.98	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Copper	39.5		2.1	0.40	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Lead	292		0.64	0.21	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Manganese	169		4.3	0.43	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Nickel	26.3		2.1	0.50	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313881-1
Project/Site: 264 Butler Street

Client Sample ID: SB-2_(0-2)
Lab Sample ID: 460-313881-6
Date Collected: 10/21/24 13:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 88.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.64	J	1.3	0.14	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Silver	0.13	J	0.43	0.096	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1
Zinc	124		8.6	3.3	mg/Kg	☼	10/24/24 09:21	10/25/24 14:52	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.1		0.056	0.026	mg/Kg	☼	10/23/24 01:29	10/23/24 06:58	3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.3		1.0	1.0	%			10/22/24 17:06	1
Percent Solids (EPA Moisture)	88.7		1.0	1.0	%			10/22/24 17:06	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler Street

Job ID: 460-313881-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-313881-1	SB-1_(0-2)	109	86	103	98
460-313881-3	SB-4_(0-2)	101	92	96	99
460-313881-4	SB-4_(9-11)	110	88	106	98
460-313881-5	SB-3_(0-2)	102	91	96	99
460-313881-6	SB-2_(0-2)	100	92	95	100
LB3 460-1002768/1-A	Method Blank	104	101	107	99
LCS 460-1003031/3	Lab Control Sample	110	104	113	105
LCS 460-1003141/2	Lab Control Sample	106	96	102	105
LCS 460-1003181/3	Lab Control Sample	103	98	99	103
LCSD 460-1003031/6	Lab Control Sample Dup	115	110	118	110
LCSD 460-1003141/3	Lab Control Sample Dup	103	96	101	106
LCSD 460-1003181/4	Lab Control Sample Dup	104	96	100	103
MB 460-1003031/8	Method Blank	127	120	128	119
MB 460-1003141/6	Method Blank	109	93	102	99
MB 460-1003181/7	Method Blank	103	93	102	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(60-150)	(70-150)	(68-150)	(64-157)
460-313881-2	SB-1_(13-15)	96	105	95	103
LCS 460-1002958/3	Lab Control Sample	86	96	86	83
LCSD 460-1002958/5	Lab Control Sample Dup	85	98	86	84
MB 460-1002958/10	Method Blank	86	96	88	84

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-313734-A-5-B MS	Matrix Spike	90	88	78	80	82	95
460-313734-A-5-C MSD	Matrix Spike Duplicate	93	91	88	87	88	100
460-313881-1	SB-1_(0-2)	89	95	85	85	87	96
460-313881-2	SB-1_(13-15)	63	63	61	82	60	64
460-313881-3	SB-4_(0-2)	92	98	90	88	91	96
460-313881-4	SB-4_(9-11)	94	98	93	90	93	107

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313881-1
Project/Site: 264 Butler Street

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-313881-5	SB-3_(0-2)	90	95	91	86	92	99
460-313881-6	SB-2_(0-2)	92	96	86	86	89	96
LCS 460-1002898/2-A	Lab Control Sample	101	102	100	97	101	106
LCSD 460-1002898/3-A	Lab Control Sample Dup	95	99	97	95	98	101
MB 460-1002898/1-A	Method Blank	95	98	95	95	97	100

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)
460-313620-E-3-D MS	Matrix Spike	37	38	43	36
460-313620-E-3-E MSD	Matrix Spike Duplicate	76	79	95	89
460-313880-E-1-A MS	Matrix Spike	25	21	30	26
460-313880-E-1-B MSD	Matrix Spike Duplicate	61	37	71	49
460-313881-1	SB-1_(0-2)	57	64	62	57
460-313881-3	SB-4_(0-2)	61	42	70	48
460-313881-5	SB-3_(0-2)	43	35	54	40
460-313881-6	SB-2_(0-2)	65	61	73	76
LCS 460-1002843/2-A	Lab Control Sample	62	61	81	84
LCS 460-1003109/2-A	Lab Control Sample	80	83	98	92
LCSD 460-1002843/3-A	Lab Control Sample Dup	70	56	93	73
LCSD 460-1003109/3-A	Lab Control Sample Dup	87	93	106	101
MB 460-1002843/1-A	Method Blank	87	56	84	73
MB 460-1003109/1-A	Method Blank	121	130	102	99

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Lab Sample ID: LB3 460-1002768/1-A
Matrix: Solid
Analysis Batch: 1003031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1002768

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		10/22/24 11:32	10/23/24 15:17	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg		10/22/24 11:32	10/23/24 15:17	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*10/22/24 11:32*	*10/23/24 15:17*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*10/22/24 11:32*	*10/23/24 15:17*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*10/22/24 11:32*	*10/23/24 15:17*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*10/22/24 11:32*	*10/23/24 15:17*	*1*

Lab Sample ID: MB 460-1002958/10
Matrix: Solid
Analysis Batch: 1002958

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	0.050	U	0.050	0.014	mg/Kg			10/23/24 12:09	50
1,1-Dichloroethane	0.050	U	0.050	0.012	mg/Kg			10/23/24 12:09	50
1,1-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			10/23/24 12:09	50
1,2,4-Trimethylbenzene	0.050	U	0.050	0.012	mg/Kg			10/23/24 12:09	50
1,2-Dichlorobenzene	0.050	U	0.050	0.011	mg/Kg			10/23/24 12:09	50
1,2-Dichloroethane	0.050	U	0.050	0.013	mg/Kg			10/23/24 12:09	50
1,3,5-Trimethylbenzene	0.050	U	0.050	0.013	mg/Kg			10/23/24 12:09	50

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

Lab Sample ID: MB 460-1002958/10
Matrix: Solid
Analysis Batch: 1002958

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			10/23/24 12:09	50
1,4-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			10/23/24 12:09	50
2-Butanone (MEK)	0.25	U	0.25	0.11	mg/Kg			10/23/24 12:09	50
Acetone	0.25	U	0.25	0.22	mg/Kg			10/23/24 12:09	50
Benzene	0.050	U	0.050	0.010	mg/Kg			10/23/24 12:09	50
Carbon tetrachloride	0.050	U	0.050	0.017	mg/Kg			10/23/24 12:09	50
Chlorobenzene	0.050	U	0.050	0.012	mg/Kg			10/23/24 12:09	50
Chloroform	0.050	U	0.050	0.011	mg/Kg			10/23/24 12:09	50
cis-1,2-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			10/23/24 12:09	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			10/23/24 12:09	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			10/23/24 12:09	50
Methylene Chloride	0.050	U	0.050	0.011	mg/Kg			10/23/24 12:09	50
n-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			10/23/24 12:09	50
N-Propylbenzene	0.050	U	0.050	0.015	mg/Kg			10/23/24 12:09	50
sec-Butylbenzene	0.050	U	0.050	0.016	mg/Kg			10/23/24 12:09	50
tert-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			10/23/24 12:09	50
Tetrachloroethene	0.050	U	0.050	0.018	mg/Kg			10/23/24 12:09	50
Toluene	0.050	U	0.050	0.013	mg/Kg			10/23/24 12:09	50
trans-1,2-Dichloroethene	0.050	U	0.050	0.0090	mg/Kg			10/23/24 12:09	50
Trichloroethene	0.050	U	0.050	0.011	mg/Kg			10/23/24 12:09	50
Vinyl chloride	0.050	U	0.050	0.010	mg/Kg			10/23/24 12:09	50
Xylenes, Total	0.10	U	0.10	0.014	mg/Kg			10/23/24 12:09	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*60 - 150*		*10/23/24 12:09*	*50*
4-Bromofluorobenzene	*96*		*70 - 150*		*10/23/24 12:09*	*50*
Dibromofluoromethane (Surr)	*88*		*68 - 150*		*10/23/24 12:09*	*50*
Toluene-d8 (Surr)	*84*		*64 - 157*		*10/23/24 12:09*	*50*

Lab Sample ID: LCS 460-1002958/3
Matrix: Solid
Analysis Batch: 1002958

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	1.00	1.06		mg/Kg		106	76 - 120
1,1-Dichloroethane	1.00	0.982		mg/Kg		98	70 - 120
1,1-Dichloroethene	1.00	1.01		mg/Kg		101	69 - 120
1,2,4-Trimethylbenzene	1.00	0.969		mg/Kg		97	75 - 120
1,2-Dichlorobenzene	1.00	0.939		mg/Kg		94	80 - 120
1,2-Dichloroethane	1.00	1.03		mg/Kg		103	72 - 124
1,3,5-Trimethylbenzene	1.00	0.944		mg/Kg		94	71 - 120
1,3-Dichlorobenzene	1.00	0.915		mg/Kg		91	80 - 120
1,4-Dichlorobenzene	1.00	0.891		mg/Kg		89	80 - 120
2-Butanone (MEK)	5.00	4.64		mg/Kg		93	64 - 121
Acetone	5.00	4.18		mg/Kg		84	52 - 127
Benzene	1.00	0.985		mg/Kg		99	75 - 120
Carbon tetrachloride	1.00	1.07		mg/Kg		107	77 - 120
Chlorobenzene	1.00	0.955		mg/Kg		95	80 - 120

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

Lab Sample ID: LCS 460-1002958/3
Matrix: Solid
Analysis Batch: 1002958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	1.00	0.980		mg/Kg		98	73 - 120
cis-1,2-Dichloroethene	1.00	0.933		mg/Kg		93	73 - 120
Ethylbenzene	1.00	0.954		mg/Kg		95	80 - 121
Methyl tert-butyl ether	1.00	0.998		mg/Kg		100	77 - 125
Methylene Chloride	1.00	0.966		mg/Kg		97	73 - 120
m-Xylene & p-Xylene	1.00	0.989		mg/Kg		99	79 - 120
n-Butylbenzene	1.00	0.920		mg/Kg		92	68 - 120
N-Propylbenzene	1.00	0.919		mg/Kg		92	68 - 120
o-Xylene	1.00	0.952		mg/Kg		95	80 - 123
sec-Butylbenzene	1.00	0.873		mg/Kg		87	77 - 126
tert-Butylbenzene	1.00	0.912		mg/Kg		91	80 - 120
Tetrachloroethene	1.00	1.03		mg/Kg		103	78 - 120
Toluene	1.00	0.943		mg/Kg		94	80 - 120
trans-1,2-Dichloroethene	1.00	1.04		mg/Kg		104	70 - 120
Trichloroethene	1.00	1.06		mg/Kg		106	77 - 120
Vinyl chloride	1.00	1.12		mg/Kg		112	50 - 131
Xylenes, Total	2.00	1.94		mg/Kg		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*60 - 150*
4-Bromofluorobenzene	*96*		*70 - 150*
Dibromofluoromethane (Surr)	*86*		*68 - 150*
Toluene-d8 (Surr)	*83*		*64 - 157*

Lab Sample ID: LCSD 460-1002958/5
Matrix: Solid
Analysis Batch: 1002958

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	1.00	1.02		mg/Kg		102	76 - 120	4	30
1,1-Dichloroethane	1.00	0.976		mg/Kg		98	70 - 120	1	30
1,1-Dichloroethene	1.00	0.990		mg/Kg		99	69 - 120	2	30
1,2,4-Trimethylbenzene	1.00	1.04		mg/Kg		104	75 - 120	7	30
1,2-Dichlorobenzene	1.00	0.957		mg/Kg		96	80 - 120	2	30
1,2-Dichloroethane	1.00	1.00		mg/Kg		100	72 - 124	2	30
1,3,5-Trimethylbenzene	1.00	1.00		mg/Kg		100	71 - 120	6	30
1,3-Dichlorobenzene	1.00	0.917		mg/Kg		92	80 - 120	0	30
1,4-Dichlorobenzene	1.00	0.910		mg/Kg		91	80 - 120	2	30
2-Butanone (MEK)	5.00	4.58		mg/Kg		92	64 - 121	1	30
Acetone	5.00	3.92		mg/Kg		78	52 - 127	6	30
Benzene	1.00	0.949		mg/Kg		95	75 - 120	4	30
Carbon tetrachloride	1.00	1.03		mg/Kg		103	77 - 120	3	30
Chlorobenzene	1.00	0.916		mg/Kg		92	80 - 120	4	30
Chloroform	1.00	0.962		mg/Kg		96	73 - 120	2	30
cis-1,2-Dichloroethene	1.00	0.910		mg/Kg		91	73 - 120	3	30
Ethylbenzene	1.00	0.948		mg/Kg		95	80 - 121	1	30
Methyl tert-butyl ether	1.00	0.988		mg/Kg		99	77 - 125	1	30
Methylene Chloride	1.00	0.966		mg/Kg		97	73 - 120	0	30

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

Lab Sample ID: LCSD 460-1002958/5
Matrix: Solid
Analysis Batch: 1002958

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
m-Xylene & p-Xylene			1.00	0.987		mg/Kg		99	79 - 120	0	30
n-Butylbenzene			1.00	0.991		mg/Kg		99	68 - 120	7	30
N-Propylbenzene			1.00	0.923		mg/Kg		92	68 - 120	0	30
o-Xylene			1.00	0.954		mg/Kg		95	80 - 123	0	30
sec-Butylbenzene			1.00	0.881		mg/Kg		88	77 - 126	1	30
tert-Butylbenzene			1.00	0.949		mg/Kg		95	80 - 120	4	30
Tetrachloroethene			1.00	1.01		mg/Kg		101	78 - 120	1	30
Toluene			1.00	0.933		mg/Kg		93	80 - 120	1	30
trans-1,2-Dichloroethene			1.00	1.02		mg/Kg		102	70 - 120	2	30
Trichloroethene			1.00	0.976		mg/Kg		98	77 - 120	9	30
Vinyl chloride			1.00	1.07		mg/Kg		107	50 - 131	4	30
Xylenes, Total			2.00	1.94		mg/Kg		97	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*60 - 150*
4-Bromofluorobenzene	*98*		*70 - 150*
Dibromofluoromethane (Surr)	*86*		*68 - 150*
Toluene-d8 (Surr)	*84*		*64 - 157*

Lab Sample ID: MB 460-1003031/8
Matrix: Solid
Analysis Batch: 1003031

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	0.0010	U	0.0010	0.00023	mg/Kg			10/23/24 14:19	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			10/23/24 14:19	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			10/23/24 14:19	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			10/23/24 14:19	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			10/23/24 14:19	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			10/23/24 14:19	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			10/23/24 14:19	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			10/23/24 14:19	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			10/23/24 14:19	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			10/23/24 14:19	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			10/23/24 14:19	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			10/23/24 14:19	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			10/23/24 14:19	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/23/24 14:19	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			10/23/24 14:19	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			10/23/24 14:19	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			10/23/24 14:19	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			10/23/24 14:19	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			10/23/24 14:19	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/23/24 14:19	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/23/24 14:19	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/23/24 14:19	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			10/23/24 14:19	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			10/23/24 14:19	1

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

Lab Sample ID: MB 460-1003031/8
Matrix: Solid
Analysis Batch: 1003031

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			10/23/24 14:19	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			10/23/24 14:19	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			10/23/24 14:19	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			10/23/24 14:19	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			10/23/24 14:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*65 - 138*		*10/23/24 14:19*	*1*
4-Bromofluorobenzene	*120*		*71 - 128*		*10/23/24 14:19*	*1*
Dibromofluoromethane (Surr)	*128*		*50 - 150*		*10/23/24 14:19*	*1*
Toluene-d8 (Surr)	*119*		*71 - 126*		*10/23/24 14:19*	*1*

Lab Sample ID: LCS 460-1003031/3
Matrix: Solid
Analysis Batch: 1003031

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	0.0200	0.0219		mg/Kg		110	78 - 120
1,1-Dichloroethane	0.0200	0.0227		mg/Kg		114	72 - 120
1,1-Dichloroethene	0.0200	0.0206		mg/Kg		103	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0200		mg/Kg		100	75 - 120
1,2-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120
1,2-Dichloroethane	0.0200	0.0224		mg/Kg		112	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0198		mg/Kg		99	70 - 120
1,3-Dichlorobenzene	0.0200	0.0205		mg/Kg		102	80 - 120
1,4-Dichlorobenzene	0.0200	0.0199		mg/Kg		100	80 - 120
2-Butanone (MEK)	0.100	0.130	*	mg/Kg		130	64 - 128
Acetone	0.100	0.117		mg/Kg		117	58 - 122
Benzene	0.0200	0.0192		mg/Kg		96	75 - 120
Carbon tetrachloride	0.0200	0.0215		mg/Kg		107	66 - 127
Chlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
Chloroform	0.0200	0.0217		mg/Kg		108	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0215		mg/Kg		107	80 - 123
Ethylbenzene	0.0200	0.0201		mg/Kg		100	80 - 120
Methyl tert-butyl ether	0.0200	0.0218		mg/Kg		109	74 - 125
Methylene Chloride	0.0200	0.0209		mg/Kg		104	78 - 120
m-Xylene & p-Xylene	0.0200	0.0200		mg/Kg		100	80 - 120
n-Butylbenzene	0.0200	0.0200		mg/Kg		100	72 - 120
N-Propylbenzene	0.0200	0.0202		mg/Kg		101	68 - 120
o-Xylene	0.0200	0.0204		mg/Kg		102	80 - 120
sec-Butylbenzene	0.0200	0.0202		mg/Kg		101	78 - 120
tert-Butylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120
Tetrachloroethene	0.0200	0.0191		mg/Kg		96	73 - 120
Toluene	0.0200	0.0196		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	78 - 120
Trichloroethene	0.0200	0.0220		mg/Kg		110	80 - 120
Vinyl chloride	0.0200	0.0201		mg/Kg		101	54 - 122
Xylenes, Total	0.0400	0.0404		mg/Kg		101	80 - 120

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

Lab Sample ID: LCS 460-1003031/3
Matrix: Solid
Analysis Batch: 1003031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		65 - 138
4-Bromofluorobenzene	104		71 - 128
Dibromofluoromethane (Surr)	113		50 - 150
Toluene-d8 (Surr)	105		71 - 126

Lab Sample ID: LCSD 460-1003031/6
Matrix: Solid
Analysis Batch: 1003031

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			0.0200	0.0233		mg/Kg		117	78 - 120	6	30
1,1-Dichloroethane			0.0200	0.0237		mg/Kg		118	72 - 120	4	30
1,1-Dichloroethene			0.0200	0.0223		mg/Kg		111	76 - 120	8	30
1,2,4-Trimethylbenzene			0.0200	0.0212		mg/Kg		106	75 - 120	6	30
1,2-Dichlorobenzene			0.0200	0.0201		mg/Kg		101	80 - 120	3	30
1,2-Dichloroethane			0.0200	0.0226		mg/Kg		113	70 - 123	1	30
1,3,5-Trimethylbenzene			0.0200	0.0213		mg/Kg		106	70 - 120	7	30
1,3-Dichlorobenzene			0.0200	0.0211		mg/Kg		106	80 - 120	3	30
1,4-Dichlorobenzene			0.0200	0.0209		mg/Kg		105	80 - 120	5	30
2-Butanone (MEK)			0.100	0.131	*	mg/Kg		131	64 - 128	0	30
Acetone			0.100	0.116		mg/Kg		116	58 - 122	1	30
Benzene			0.0200	0.0202		mg/Kg		101	75 - 120	5	30
Carbon tetrachloride			0.0200	0.0230		mg/Kg		115	66 - 127	7	30
Chlorobenzene			0.0200	0.0207		mg/Kg		104	80 - 120	2	30
Chloroform			0.0200	0.0227		mg/Kg		113	79 - 126	4	30
cis-1,2-Dichloroethene			0.0200	0.0225		mg/Kg		113	80 - 123	5	30
Ethylbenzene			0.0200	0.0212		mg/Kg		106	80 - 120	5	30
Methyl tert-butyl ether			0.0200	0.0218		mg/Kg		109	74 - 125	0	30
Methylene Chloride			0.0200	0.0211		mg/Kg		106	78 - 120	1	30
m-Xylene & p-Xylene			0.0200	0.0210		mg/Kg		105	80 - 120	5	30
n-Butylbenzene			0.0200	0.0219		mg/Kg		109	72 - 120	9	30
N-Propylbenzene			0.0200	0.0219		mg/Kg		110	68 - 120	8	30
o-Xylene			0.0200	0.0211		mg/Kg		106	80 - 120	4	30
sec-Butylbenzene			0.0200	0.0217		mg/Kg		109	78 - 120	8	30
tert-Butylbenzene			0.0200	0.0213		mg/Kg		107	80 - 120	7	30
Tetrachloroethene			0.0200	0.0202		mg/Kg		101	73 - 120	5	30
Toluene			0.0200	0.0207		mg/Kg		103	80 - 120	5	30
trans-1,2-Dichloroethene			0.0200	0.0220		mg/Kg		110	78 - 120	6	30
Trichloroethene			0.0200	0.0227		mg/Kg		113	80 - 120	3	30
Vinyl chloride			0.0200	0.0217		mg/Kg		109	54 - 122	8	30
Xylenes, Total			0.0400	0.0421		mg/Kg		105	80 - 120	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		65 - 138
4-Bromofluorobenzene	110		71 - 128
Dibromofluoromethane (Surr)	118		50 - 150
Toluene-d8 (Surr)	110		71 - 126

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

Lab Sample ID: MB 460-1003141/6
Matrix: Solid
Analysis Batch: 1003141

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	0.0010	U	0.0010	0.00023	mg/Kg			10/23/24 22:39	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			10/23/24 22:39	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			10/23/24 22:39	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			10/23/24 22:39	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			10/23/24 22:39	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			10/23/24 22:39	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			10/23/24 22:39	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			10/23/24 22:39	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			10/23/24 22:39	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			10/23/24 22:39	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			10/23/24 22:39	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			10/23/24 22:39	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			10/23/24 22:39	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/23/24 22:39	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			10/23/24 22:39	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			10/23/24 22:39	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			10/23/24 22:39	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			10/23/24 22:39	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			10/23/24 22:39	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/23/24 22:39	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/23/24 22:39	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/23/24 22:39	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			10/23/24 22:39	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			10/23/24 22:39	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			10/23/24 22:39	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			10/23/24 22:39	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			10/23/24 22:39	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			10/23/24 22:39	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			10/23/24 22:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*		*10/23/24 22:39*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*		*10/23/24 22:39*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*		*10/23/24 22:39*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*10/23/24 22:39*	*1*

Lab Sample ID: LCS 460-1003141/2
Matrix: Solid
Analysis Batch: 1003141

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	0.0200	0.0201		mg/Kg		100	78 - 120
1,1-Dichloroethane	0.0200	0.0234		mg/Kg		117	72 - 120
1,1-Dichloroethene	0.0200	0.0200		mg/Kg		100	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0186		mg/Kg		93	75 - 120
1,2-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
1,2-Dichloroethane	0.0200	0.0197		mg/Kg		99	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0191		mg/Kg		96	70 - 120

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

Lab Sample ID: LCS 460-1003141/2
Matrix: Solid
Analysis Batch: 1003141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,4-Dichlorobenzene	0.0200	0.0199		mg/Kg		100	80 - 120
2-Butanone (MEK)	0.100	0.0722		mg/Kg		72	64 - 128
Acetone	0.100	0.0796		mg/Kg		80	58 - 122
Benzene	0.0200	0.0222		mg/Kg		111	75 - 120
Carbon tetrachloride	0.0200	0.0216		mg/Kg		108	66 - 127
Chlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120
Chloroform	0.0200	0.0208		mg/Kg		104	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0211		mg/Kg		106	80 - 123
Ethylbenzene	0.0200	0.0201		mg/Kg		100	80 - 120
Methyl tert-butyl ether	0.0200	0.0206		mg/Kg		103	74 - 125
Methylene Chloride	0.0200	0.0210		mg/Kg		105	78 - 120
m-Xylene & p-Xylene	0.0200	0.0199		mg/Kg		100	80 - 120
n-Butylbenzene	0.0200	0.0220		mg/Kg		110	72 - 120
N-Propylbenzene	0.0200	0.0195		mg/Kg		97	68 - 120
o-Xylene	0.0200	0.0193		mg/Kg		96	80 - 120
sec-Butylbenzene	0.0200	0.0194		mg/Kg		97	78 - 120
tert-Butylbenzene	0.0200	0.0179		mg/Kg		89	80 - 120
Tetrachloroethene	0.0200	0.0196		mg/Kg		98	73 - 120
Toluene	0.0200	0.0203		mg/Kg		101	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0212		mg/Kg		106	78 - 120
Trichloroethene	0.0200	0.0187		mg/Kg		94	80 - 120
Vinyl chloride	0.0200	0.0237		mg/Kg		118	54 - 122
Xylenes, Total	0.0400	0.0392		mg/Kg		98	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*102*		*50 - 150*
Toluene-d8 (Surr)	*105*		*71 - 126*

Lab Sample ID: LCSD 460-1003141/3
Matrix: Solid
Analysis Batch: 1003141

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	0.0200	0.0199		mg/Kg		100	78 - 120	1	30
1,1-Dichloroethane	0.0200	0.0233		mg/Kg		116	72 - 120	1	30
1,1-Dichloroethene	0.0200	0.0185		mg/Kg		92	76 - 120	8	30
1,2,4-Trimethylbenzene	0.0200	0.0184		mg/Kg		92	75 - 120	1	30
1,2-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0191		mg/Kg		95	70 - 123	3	30
1,3,5-Trimethylbenzene	0.0200	0.0188		mg/Kg		94	70 - 120	2	30
1,3-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0695		mg/Kg		70	64 - 128	4	30
Acetone	0.100	0.0791		mg/Kg		79	58 - 122	1	30
Benzene	0.0200	0.0218		mg/Kg		109	75 - 120	2	30

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

Lab Sample ID: LCSD 460-1003141/3
Matrix: Solid
Analysis Batch: 1003141

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
Carbon tetrachloride	0.0200	0.0212		mg/Kg		106	66 - 127	2	30
Chlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	1	30
Chloroform	0.0200	0.0205		mg/Kg		103	79 - 126	1	30
cis-1,2-Dichloroethene	0.0200	0.0203		mg/Kg		102	80 - 123	4	30
Ethylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120	2	30
Methyl tert-butyl ether	0.0200	0.0196		mg/Kg		98	74 - 125	5	30
Methylene Chloride	0.0200	0.0201		mg/Kg		101	78 - 120	4	30
m-Xylene & p-Xylene	0.0200	0.0197		mg/Kg		98	80 - 120	1	30
n-Butylbenzene	0.0200	0.0216		mg/Kg		108	72 - 120	2	30
N-Propylbenzene	0.0200	0.0194		mg/Kg		97	68 - 120	1	30
o-Xylene	0.0200	0.0191		mg/Kg		95	80 - 120	1	30
sec-Butylbenzene	0.0200	0.0191		mg/Kg		96	78 - 120	2	30
tert-Butylbenzene	0.0200	0.0175		mg/Kg		88	80 - 120	2	30
Tetrachloroethene	0.0200	0.0194		mg/Kg		97	73 - 120	1	30
Toluene	0.0200	0.0202		mg/Kg		101	80 - 120	0	30
trans-1,2-Dichloroethene	0.0200	0.0210		mg/Kg		105	78 - 120	1	30
Trichloroethene	0.0200	0.0185		mg/Kg		92	80 - 120	1	30
Vinyl chloride	0.0200	0.0241		mg/Kg		121	54 - 122	2	30
Xylenes, Total	0.0400	0.0388		mg/Kg		97	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*101*		*50 - 150*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: MB 460-1003181/7
Matrix: Solid
Analysis Batch: 1003181

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	0.0010	U	0.0010	0.00023	mg/Kg			10/24/24 07:45	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			10/24/24 07:45	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			10/24/24 07:45	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			10/24/24 07:45	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			10/24/24 07:45	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			10/24/24 07:45	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			10/24/24 07:45	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			10/24/24 07:45	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			10/24/24 07:45	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			10/24/24 07:45	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			10/24/24 07:45	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			10/24/24 07:45	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			10/24/24 07:45	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/24/24 07:45	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			10/24/24 07:45	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			10/24/24 07:45	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			10/24/24 07:45	1

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

Lab Sample ID: MB 460-1003181/7
Matrix: Solid
Analysis Batch: 1003181

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			10/24/24 07:45	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			10/24/24 07:45	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/24/24 07:45	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/24/24 07:45	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/24/24 07:45	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			10/24/24 07:45	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			10/24/24 07:45	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			10/24/24 07:45	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			10/24/24 07:45	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			10/24/24 07:45	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			10/24/24 07:45	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			10/24/24 07:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*		*10/24/24 07:45*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*		*10/24/24 07:45*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*		*10/24/24 07:45*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*10/24/24 07:45*	*1*

Lab Sample ID: LCS 460-1003181/3
Matrix: Solid
Analysis Batch: 1003181

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	0.0200	0.0198		mg/Kg		99	78 - 120
1,1-Dichloroethane	0.0200	0.0224		mg/Kg		112	72 - 120
1,1-Dichloroethene	0.0200	0.0194		mg/Kg		97	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0181		mg/Kg		90	75 - 120
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
1,2-Dichloroethane	0.0200	0.0189		mg/Kg		94	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0186		mg/Kg		93	70 - 120
1,3-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120
2-Butanone (MEK)	0.100	0.0726		mg/Kg		73	64 - 128
Acetone	0.100	0.0793		mg/Kg		79	58 - 122
Benzene	0.0200	0.0211		mg/Kg		106	75 - 120
Carbon tetrachloride	0.0200	0.0210		mg/Kg		105	66 - 127
Chlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
Chloroform	0.0200	0.0197		mg/Kg		99	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0201		mg/Kg		101	80 - 123
Ethylbenzene	0.0200	0.0193		mg/Kg		96	80 - 120
Methyl tert-butyl ether	0.0200	0.0207		mg/Kg		104	74 - 125
Methylene Chloride	0.0200	0.0201		mg/Kg		101	78 - 120
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		96	80 - 120
n-Butylbenzene	0.0200	0.0207		mg/Kg		103	72 - 120
N-Propylbenzene	0.0200	0.0189		mg/Kg		95	68 - 120
o-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120
sec-Butylbenzene	0.0200	0.0189		mg/Kg		94	78 - 120

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

Lab Sample ID: LCS 460-1003181/3
Matrix: Solid
Analysis Batch: 1003181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
tert-Butylbenzene			0.0200	0.0179		mg/Kg		90	80 - 120		
Tetrachloroethene			0.0200	0.0183		mg/Kg		92	73 - 120		
Toluene			0.0200	0.0196		mg/Kg		98	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0206		mg/Kg		103	78 - 120		
Trichloroethene			0.0200	0.0184		mg/Kg		92	80 - 120		
Vinyl chloride			0.0200	0.0183		mg/Kg		92	54 - 122		
Xylenes, Total			0.0400	0.0383		mg/Kg		96	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*99*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: LCSD 460-1003181/4
Matrix: Solid
Analysis Batch: 1003181

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			0.0200	0.0200		mg/Kg		100	78 - 120	1	30
1,1-Dichloroethane			0.0200	0.0226		mg/Kg		113	72 - 120	1	30
1,1-Dichloroethene			0.0200	0.0199		mg/Kg		99	76 - 120	2	30
1,2,4-Trimethylbenzene			0.0200	0.0185		mg/Kg		92	75 - 120	2	30
1,2-Dichlorobenzene			0.0200	0.0191		mg/Kg		96	80 - 120	0	30
1,2-Dichloroethane			0.0200	0.0189		mg/Kg		95	70 - 123	0	30
1,3,5-Trimethylbenzene			0.0200	0.0189		mg/Kg		95	70 - 120	2	30
1,3-Dichlorobenzene			0.0200	0.0187		mg/Kg		93	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0189		mg/Kg		94	80 - 120	1	30
2-Butanone (MEK)			0.100	0.0697		mg/Kg		70	64 - 128	4	30
Acetone			0.100	0.0775		mg/Kg		78	58 - 122	2	30
Benzene			0.0200	0.0216		mg/Kg		108	75 - 120	2	30
Carbon tetrachloride			0.0200	0.0212		mg/Kg		106	66 - 127	1	30
Chlorobenzene			0.0200	0.0192		mg/Kg		96	80 - 120	1	30
Chloroform			0.0200	0.0200		mg/Kg		100	79 - 126	1	30
cis-1,2-Dichloroethene			0.0200	0.0201		mg/Kg		100	80 - 123	0	30
Ethylbenzene			0.0200	0.0196		mg/Kg		98	80 - 120	2	30
Methyl tert-butyl ether			0.0200	0.0205		mg/Kg		103	74 - 125	1	30
Methylene Chloride			0.0200	0.0201		mg/Kg		101	78 - 120	0	30
m-Xylene & p-Xylene			0.0200	0.0196		mg/Kg		98	80 - 120	3	30
n-Butylbenzene			0.0200	0.0211		mg/Kg		106	72 - 120	2	30
N-Propylbenzene			0.0200	0.0191		mg/Kg		95	68 - 120	1	30
o-Xylene			0.0200	0.0194		mg/Kg		97	80 - 120	1	30
sec-Butylbenzene			0.0200	0.0191		mg/Kg		96	78 - 120	1	30
tert-Butylbenzene			0.0200	0.0181		mg/Kg		91	80 - 120	1	30
Tetrachloroethene			0.0200	0.0191		mg/Kg		96	73 - 120	4	30
Toluene			0.0200	0.0200		mg/Kg		100	80 - 120	2	30
trans-1,2-Dichloroethene			0.0200	0.0208		mg/Kg		104	78 - 120	1	30
Trichloroethene			0.0200	0.0185		mg/Kg		92	80 - 120	0	30

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

Lab Sample ID: LCSD 460-1003181/4
Matrix: Solid
Analysis Batch: 1003181

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
Vinyl chloride			0.0200	0.0189		mg/Kg		94	54 - 122	3	30
Xylenes, Total			0.0400	0.0391		mg/Kg		98	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*100*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1002898/1-A
Matrix: Solid
Analysis Batch: 1002933

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1002898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Phenol	0.33	U	0.33	0.012	mg/Kg		10/22/24 22:32	10/23/24 06:52	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		10/22/24 22:32	10/23/24 06:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*24 - 137*	*10/22/24 22:32*	*10/23/24 06:52*	*1*
2-Fluorobiphenyl	*98*		*38 - 128*	*10/22/24 22:32*	*10/23/24 06:52*	*1*
2-Fluorophenol (Surr)	*95*		*31 - 133*	*10/22/24 22:32*	*10/23/24 06:52*	*1*
Nitrobenzene-d5 (Surr)	*95*		*31 - 120*	*10/22/24 22:32*	*10/23/24 06:52*	*1*
Phenol-d5 (Surr)	*97*		*35 - 132*	*10/22/24 22:32*	*10/23/24 06:52*	*1*
Terphenyl-d14 (Surr)	*100*		*44 - 147*	*10/22/24 22:32*	*10/23/24 06:52*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1002898/2-A
Matrix: Solid
Analysis Batch: 1002933

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1002898

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			3.33	2.84		mg/Kg		85	27 - 120		
2-Methylphenol			3.33	3.37		mg/Kg		101	63 - 120		
3 & 4 Methylphenol			3.33	3.21		mg/Kg		96	61 - 120		
Acenaphthene			3.33	3.48		mg/Kg		104	65 - 120		
Acenaphthylene			3.33	3.75		mg/Kg		112	64 - 120		
Anthracene			3.33	3.56		mg/Kg		107	67 - 120		
Benzo[a]anthracene			3.33	3.53		mg/Kg		106	66 - 120		
Benzo[a]pyrene			3.33	3.74		mg/Kg		112	73 - 123		
Benzo[b]fluoranthene			3.33	3.60		mg/Kg		108	70 - 125		
Benzo[g,h,i]perylene			3.33	3.99		mg/Kg		120	66 - 120		
Benzo[k]fluoranthene			3.33	3.69		mg/Kg		111	67 - 122		
Chrysene			3.33	3.48		mg/Kg		105	67 - 120		
Dibenz(a,h)anthracene			3.33	3.72		mg/Kg		112	66 - 128		
Dibenzofuran			3.33	3.42		mg/Kg		103	61 - 120		
Fluoranthene			3.33	3.45		mg/Kg		103	61 - 120		
Fluorene			3.33	3.50		mg/Kg		105	64 - 120		
Hexachlorobenzene			3.33	3.63		mg/Kg		109	66 - 120		
Indeno[1,2,3-cd]pyrene			3.33	3.80		mg/Kg		114	71 - 137		
Naphthalene			3.33	3.36		mg/Kg		101	63 - 120		
Pentachlorophenol			6.67	7.15		mg/Kg		107	61 - 126		
Phenanthrene			3.33	3.53		mg/Kg		106	66 - 120		
Phenol			3.33	3.32		mg/Kg		100	63 - 120		
Pyrene			3.33	3.71		mg/Kg		111	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*24 - 137*
2-Fluorobiphenyl	*102*		*38 - 128*
2-Fluorophenol (Surr)	*100*		*31 - 133*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*
Phenol-d5 (Surr)	*101*		*35 - 132*
Terphenyl-d14 (Surr)	*106*		*44 - 147*

Lab Sample ID: LCSD 460-1002898/3-A
Matrix: Solid
Analysis Batch: 1002933

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1002898

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			3.33	2.75		mg/Kg		83	27 - 120	3	30
2-Methylphenol			3.33	3.20		mg/Kg		96	63 - 120	5	30
3 & 4 Methylphenol			3.33	3.13		mg/Kg		94	61 - 120	3	30
Acenaphthene			3.33	3.31		mg/Kg		99	65 - 120	5	30
Acenaphthylene			3.33	3.64		mg/Kg		109	64 - 120	3	30
Anthracene			3.33	3.43		mg/Kg		103	67 - 120	4	30
Benzo[a]anthracene			3.33	3.36		mg/Kg		101	66 - 120	5	30
Benzo[a]pyrene			3.33	3.55		mg/Kg		106	73 - 123	5	30
Benzo[b]fluoranthene			3.33	3.48		mg/Kg		104	70 - 125	4	30
Benzo[g,h,i]perylene			3.33	3.82		mg/Kg		115	66 - 120	4	30
Benzo[k]fluoranthene			3.33	3.45		mg/Kg		104	67 - 122	7	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1002898/3-A
Matrix: Solid
Analysis Batch: 1002933

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1002898

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene			3.33	3.33		mg/Kg		100	67 - 120	5	30
Dibenz(a,h)anthracene			3.33	3.56		mg/Kg		107	66 - 128	4	30
Dibenzofuran			3.33	3.23		mg/Kg		97	61 - 120	6	30
Fluoranthene			3.33	3.28		mg/Kg		98	61 - 120	5	30
Fluorene			3.33	3.31		mg/Kg		99	64 - 120	6	30
Hexachlorobenzene			3.33	3.51		mg/Kg		105	66 - 120	3	30
Indeno[1,2,3-cd]pyrene			3.33	3.66		mg/Kg		110	71 - 137	4	30
Naphthalene			3.33	3.23		mg/Kg		97	63 - 120	4	30
Pentachlorophenol			6.67	6.73		mg/Kg		101	61 - 126	6	30
Phenanthrene			3.33	3.37		mg/Kg		101	66 - 120	4	30
Phenol			3.33	3.17		mg/Kg		95	63 - 120	5	30
Pyrene			3.33	3.57		mg/Kg		107	61 - 121	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*24 - 137*
2-Fluorobiphenyl	*99*		*38 - 128*
2-Fluorophenol (Surr)	*97*		*31 - 133*
Nitrobenzene-d5 (Surr)	*95*		*31 - 120*
Phenol-d5 (Surr)	*98*		*35 - 132*
Terphenyl-d14 (Surr)	*101*		*44 - 147*

Lab Sample ID: 460-313734-A-5-B MS
Matrix: Solid
Analysis Batch: 1002933

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1002898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.039	U	3.91	2.24		mg/Kg	☼	57	27 - 120
2-Methylphenol	0.39	U	3.91	3.27		mg/Kg	☼	84	63 - 120
3 & 4 Methylphenol	0.39	U	3.91	3.20		mg/Kg	☼	82	61 - 120
Acenaphthene	0.39	U	3.91	3.69		mg/Kg	☼	94	65 - 120
Acenaphthylene	0.39	U	3.91	3.96		mg/Kg	☼	101	64 - 120
Anthracene	0.39	U	3.91	3.77		mg/Kg	☼	97	67 - 120
Benzo[a]anthracene	0.039	U	3.91	3.73		mg/Kg	☼	96	66 - 120
Benzo[a]pyrene	0.039	U	3.91	3.93		mg/Kg	☼	101	73 - 123
Benzo[b]fluoranthene	0.039	U	3.91	3.83		mg/Kg	☼	98	70 - 125
Benzo[g,h,i]perylene	0.39	U	3.91	4.23		mg/Kg	☼	108	66 - 120
Benzo[k]fluoranthene	0.039	U	3.91	3.90		mg/Kg	☼	100	67 - 122
Chrysene	0.39	U	3.91	3.69		mg/Kg	☼	94	67 - 120
Dibenz(a,h)anthracene	0.039	U	3.91	3.93		mg/Kg	☼	101	66 - 128
Dibenzofuran	0.39	U	3.91	3.63		mg/Kg	☼	93	61 - 120
Fluoranthene	0.39	U	3.91	3.63		mg/Kg	☼	93	61 - 120
Fluorene	0.051	J	3.91	3.75		mg/Kg	☼	95	64 - 120
Hexachlorobenzene	0.039	U	3.91	3.81		mg/Kg	☼	97	66 - 120
Indeno[1,2,3-cd]pyrene	0.039	U	3.91	4.03		mg/Kg	☼	103	71 - 137
Naphthalene	0.39	U	3.91	3.29		mg/Kg	☼	84	63 - 120
Pentachlorophenol	0.31	U	7.82	7.57		mg/Kg	☼	97	61 - 126
Phenanthrene	0.090	J	3.91	3.82		mg/Kg	☼	95	66 - 120
Phenol	0.39	U	3.91	3.24		mg/Kg	☼	83	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-313734-A-5-B MS
Matrix: Solid
Analysis Batch: 1002933

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1002898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	0.028	J	3.91	4.00		mg/Kg	☼	102	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*
2-Fluorobiphenyl	*88*		*38 - 128*
2-Fluorophenol (Surr)	*78*		*31 - 133*
Nitrobenzene-d5 (Surr)	*80*		*31 - 120*
Phenol-d5 (Surr)	*82*		*35 - 132*
Terphenyl-d14 (Surr)	*95*		*44 - 147*

Lab Sample ID: 460-313734-A-5-C MSD
Matrix: Solid
Analysis Batch: 1002933

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1002898

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.039	U	3.92	2.67		mg/Kg	☼	68	27 - 120	17	30
2-Methylphenol	0.39	U	3.92	3.56		mg/Kg	☼	91	63 - 120	8	30
3 & 4 Methylphenol	0.39	U	3.92	3.41		mg/Kg	☼	87	61 - 120	6	30
Acenaphthene	0.39	U	3.92	3.84		mg/Kg	☼	98	65 - 120	4	30
Acenaphthylene	0.39	U	3.92	4.09		mg/Kg	☼	104	64 - 120	3	30
Anthracene	0.39	U	3.92	4.04		mg/Kg	☼	103	67 - 120	7	30
Benzo[a]anthracene	0.039	U	3.92	3.96		mg/Kg	☼	101	66 - 120	6	30
Benzo[a]pyrene	0.039	U	3.92	4.24		mg/Kg	☼	108	73 - 123	8	30
Benzo[b]fluoranthene	0.039	U	3.92	4.09		mg/Kg	☼	105	70 - 125	7	30
Benzo[g,h,i]perylene	0.39	U	3.92	4.53		mg/Kg	☼	116	66 - 120	7	30
Benzo[k]fluoranthene	0.039	U	3.92	4.11		mg/Kg	☼	105	67 - 122	5	30
Chrysene	0.39	U	3.92	3.95		mg/Kg	☼	101	67 - 120	7	30
Dibenz(a,h)anthracene	0.039	U	3.92	4.20		mg/Kg	☼	107	66 - 128	7	30
Dibenzofuran	0.39	U	3.92	3.73		mg/Kg	☼	95	61 - 120	3	30
Fluoranthene	0.39	U	3.92	3.89		mg/Kg	☼	99	61 - 120	7	30
Fluorene	0.051	J	3.92	3.83		mg/Kg	☼	97	64 - 120	2	30
Hexachlorobenzene	0.039	U	3.92	4.09		mg/Kg	☼	105	66 - 120	7	30
Indeno[1,2,3-cd]pyrene	0.039	U	3.92	4.42		mg/Kg	☼	113	71 - 137	9	30
Naphthalene	0.39	U	3.92	3.60		mg/Kg	☼	92	63 - 120	9	30
Pentachlorophenol	0.31	U	7.83	7.99		mg/Kg	☼	102	61 - 126	5	30
Phenanthrene	0.090	J	3.92	4.10		mg/Kg	☼	103	66 - 120	7	30
Phenol	0.39	U	3.92	3.48		mg/Kg	☼	89	63 - 120	7	30
Pyrene	0.028	J	3.92	4.26		mg/Kg	☼	108	61 - 121	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 137*
2-Fluorobiphenyl	*91*		*38 - 128*
2-Fluorophenol (Surr)	*88*		*31 - 133*
Nitrobenzene-d5 (Surr)	*87*		*31 - 120*
Phenol-d5 (Surr)	*88*		*35 - 132*
Terphenyl-d14 (Surr)	*100*		*44 - 147*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1002843/1-A
Matrix: Solid
Analysis Batch: 1002819

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1002843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		10/22/24 17:18	10/22/24 22:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*20 - 150*	*10/22/24 17:18*	*10/22/24 22:27*	*1*
DCB Decachlorobiphenyl	*87*		*20 - 150*	*10/22/24 17:18*	*10/22/24 22:27*	*1*
Tetrachloro-m-xylene	*73*		*20 - 150*	*10/22/24 17:18*	*10/22/24 22:27*	*1*
Tetrachloro-m-xylene	*84*		*20 - 150*	*10/22/24 17:18*	*10/22/24 22:27*	*1*

Lab Sample ID: LCS 460-1002843/2-A
Matrix: Solid
Analysis Batch: 1002819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1002843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.318		mg/Kg		95	54 - 136
Aroclor 1016	0.333	0.313		mg/Kg		94	54 - 136
Aroclor 1260	0.333	0.321		mg/Kg		96	53 - 145
Aroclor 1260	0.333	0.304		mg/Kg		91	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*61*		*20 - 150*
DCB Decachlorobiphenyl	*62*		*20 - 150*
Tetrachloro-m-xylene	*84*		*20 - 150*
Tetrachloro-m-xylene	*81*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1002843/3-A
Matrix: Solid
Analysis Batch: 1002819

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1002843

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.260		mg/Kg		78	54 - 136	18	30
Aroclor 1016			0.333	0.317		mg/Kg		95	54 - 136	0	30
Aroclor 1260			0.333	0.256		mg/Kg		77	53 - 145	17	30
Aroclor 1260			0.333	0.303		mg/Kg		91	53 - 145	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*56*		*20 - 150*
DCB Decachlorobiphenyl	*70*		*20 - 150*
Tetrachloro-m-xylene	*73*		*20 - 150*
Tetrachloro-m-xylene	*93*		*20 - 150*

Lab Sample ID: 460-313880-E-1-A MS
Matrix: Solid
Analysis Batch: 1002819

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1002843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.11	U	0.550	0.333		mg/Kg	☼	61	54 - 136
Aroclor 1016	0.11	U	0.550	0.348		mg/Kg	☼	63	54 - 136
Aroclor 1260	0.11	U	0.550	0.332		mg/Kg	☼	60	53 - 145
Aroclor 1260	0.11	U	0.550	0.393		mg/Kg	☼	71	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*21*		*20 - 150*
DCB Decachlorobiphenyl	*25*		*20 - 150*
Tetrachloro-m-xylene	*26*		*20 - 150*
Tetrachloro-m-xylene	*30*		*20 - 150*

Lab Sample ID: 460-313880-E-1-B MSD
Matrix: Solid
Analysis Batch: 1002819

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1002843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.11	U	0.549	0.421		mg/Kg	☼	77	54 - 136	19	30
Aroclor 1016	0.11	U	0.549	0.639	*	mg/Kg	☼	116	54 - 136	63	30
Aroclor 1260	0.11	U	0.549	0.434		mg/Kg	☼	79	53 - 145	27	30
Aroclor 1260	0.11	U	0.549	0.638	*	mg/Kg	☼	116	53 - 145	48	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*37*		*20 - 150*
DCB Decachlorobiphenyl	*61*		*20 - 150*
Tetrachloro-m-xylene	*49*		*20 - 150*
Tetrachloro-m-xylene	*71*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1003109/1-A
Matrix: Solid
Analysis Batch: 1003175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		10/23/24 18:02	10/24/24 05:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*130*		*20 - 150*	*10/23/24 18:02*	*10/24/24 05:27*	*1*
DCB Decachlorobiphenyl	*121*		*20 - 150*	*10/23/24 18:02*	*10/24/24 05:27*	*1*
Tetrachloro-m-xylene	*99*		*20 - 150*	*10/23/24 18:02*	*10/24/24 05:27*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*10/23/24 18:02*	*10/24/24 05:27*	*1*

Lab Sample ID: LCS 460-1003109/2-A
Matrix: Solid
Analysis Batch: 1003175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.336		mg/Kg		101	54 - 136
Aroclor 1016	0.333	0.344		mg/Kg		103	54 - 136
Aroclor 1260	0.333	0.350		mg/Kg		105	53 - 145
Aroclor 1260	0.333	0.357		mg/Kg		107	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*20 - 150*
DCB Decachlorobiphenyl	*80*		*20 - 150*
Tetrachloro-m-xylene	*92*		*20 - 150*
Tetrachloro-m-xylene	*98*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1003109/3-A
Matrix: Solid
Analysis Batch: 1003175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003109

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.357		mg/Kg		107	54 - 136	6	30
Aroclor 1016			0.333	0.368		mg/Kg		110	54 - 136	7	30
Aroclor 1260			0.333	0.361		mg/Kg		108	53 - 145	3	30
Aroclor 1260			0.333	0.378		mg/Kg		113	53 - 145	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*20 - 150*
DCB Decachlorobiphenyl	*87*		*20 - 150*
Tetrachloro-m-xylene	*101*		*20 - 150*
Tetrachloro-m-xylene	*106*		*20 - 150*

Lab Sample ID: 460-313620-E-3-D MS
Matrix: Solid
Analysis Batch: 1003175

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003109

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.068	U	0.338	0.334		mg/Kg	☼	99	54 - 136
Aroclor 1016	0.068	U	0.338	0.346		mg/Kg	☼	102	54 - 136
Aroclor 1260	0.068	U	0.338	0.344		mg/Kg	☼	102	53 - 145
Aroclor 1260	0.068	U	0.338	0.356		mg/Kg	☼	105	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*38*		*20 - 150*
DCB Decachlorobiphenyl	*37*		*20 - 150*
Tetrachloro-m-xylene	*36*		*20 - 150*
Tetrachloro-m-xylene	*43*		*20 - 150*

Lab Sample ID: 460-313620-E-3-E MSD
Matrix: Solid
Analysis Batch: 1003175

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003109

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.068	U	0.339	0.355		mg/Kg	☼	105	54 - 136	6	30
Aroclor 1016	0.068	U	0.339	0.370		mg/Kg	☼	109	54 - 136	7	30
Aroclor 1260	0.068	U	0.339	0.362		mg/Kg	☼	107	53 - 145	5	30
Aroclor 1260	0.068	U	0.339	0.372		mg/Kg	☼	110	53 - 145	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*20 - 150*
DCB Decachlorobiphenyl	*76*		*20 - 150*
Tetrachloro-m-xylene	*89*		*20 - 150*
Tetrachloro-m-xylene	*95*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1003240/1-A
Matrix: Solid
Analysis Batch: 1003563

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003240

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	U	1.0	0.10	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Barium	2.0	U	2.0	0.15	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Chromium	2.0	U	2.0	0.91	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Copper	2.0	U	2.0	0.37	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Lead	0.60	U	0.60	0.20	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Manganese	4.0	U	4.0	0.40	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Nickel	2.0	U	2.0	0.47	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Selenium	1.3	U	1.3	0.13	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Silver	0.40	U	0.40	0.089	mg/Kg		10/24/24 09:21	10/25/24 14:45	1
Zinc	8.0	U	8.0	3.1	mg/Kg		10/24/24 09:21	10/25/24 14:45	1

Lab Sample ID: LCSSRM 460-1003240/2-A ^3
Matrix: Solid
Analysis Batch: 1003563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003240

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	242	232.4		mg/Kg		96.0	81.8 - 118.6
Barium	295	281.7		mg/Kg		95.5	81.7 - 118.3
Beryllium	160	139.1		mg/Kg		86.9	82.5 - 117.5
Cadmium	84.3	80.65		mg/Kg		95.7	82.2 - 117.8
Chromium	213	199.4		mg/Kg		93.6	81.2 - 119.2
Copper	195	189.4		mg/Kg		97.1	83.1 - 116.9
Lead	194	190.7		mg/Kg		98.3	82.0 - 118.6
Manganese	264	251.3		mg/Kg		95.2	80.7 - 118.9
Nickel	298	292.6		mg/Kg		98.2	82.2 - 117.8
Selenium	272	267.4		mg/Kg		98.3	80.1 - 119.5
Silver	76.7	73.24		mg/Kg		95.5	79.5 - 120.5
Zinc	236	227.7		mg/Kg		96.5	80.1 - 120.3

Lab Sample ID: 460-313895-C-1-M MS
Matrix: Solid
Analysis Batch: 1003563

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	6.0		10.3	13.32	N	mg/Kg	☼	71	75 - 125
Barium	67.2		10.3	85.55	4	mg/Kg	☼	178	75 - 125
Beryllium	0.59		5.16	4.74		mg/Kg	☼	81	75 - 125
Cadmium	0.44	J	5.16	4.91		mg/Kg	☼	87	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-313895-C-1-M MS
Matrix: Solid
Analysis Batch: 1003563

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	14.4		10.3	32.04	N	mg/Kg	☼	171	75 - 125
Copper	31.0		10.3	38.70		mg/Kg	☼	75	75 - 125
Lead	64.9		5.16	97.47	4	mg/Kg	☼	631	75 - 125
Manganese	450		51.6	383.4	4	mg/Kg	☼	-129	75 - 125
Nickel	9.0		10.3	17.87		mg/Kg	☼	86	75 - 125
Selenium	0.39	J	10.3	9.12		mg/Kg	☼	85	75 - 125
Silver	0.41	U	5.16	4.60		mg/Kg	☼	89	75 - 125
Zinc	106		51.6	130.0	N	mg/Kg	☼	46	75 - 125

Lab Sample ID: 460-313895-C-1-N MSD
Matrix: Solid
Analysis Batch: 1003563

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	6.0		10.3	14.40		mg/Kg	☼	81	75 - 125	8	20
Barium	67.2		10.3	70.23	4	mg/Kg	☼	29	75 - 125	20	20
Beryllium	0.59		5.16	4.70		mg/Kg	☼	80	75 - 125	1	20
Cadmium	0.44	J	5.16	4.94		mg/Kg	☼	87	75 - 125	1	20
Chromium	14.4		10.3	42.86	N	mg/Kg	☼	275	75 - 125	29	20
Copper	31.0		10.3	38.45	N	mg/Kg	☼	73	75 - 125	1	20
Lead	64.9		5.16	67.73	4 N	mg/Kg	☼	55	75 - 125	36	20
Manganese	450		51.6	381.8	4	mg/Kg	☼	-132	75 - 125	0	20
Nickel	9.0		10.3	36.46	N	mg/Kg	☼	267	75 - 125	68	20
Selenium	0.39	J	10.3	8.84		mg/Kg	☼	82	75 - 125	3	20
Silver	0.41	U	5.16	4.57		mg/Kg	☼	89	75 - 125	1	20
Zinc	106		51.6	124.9	N	mg/Kg	☼	36	75 - 125	4	20

Lab Sample ID: 460-313895-C-1-L DU
Matrix: Solid
Analysis Batch: 1003563

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1003240

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	6.0		6.82		mg/Kg	☼	12	20
Barium	67.2		68.85		mg/Kg	☼	2	20
Beryllium	0.59		0.637		mg/Kg	☼	8	20
Cadmium	0.44	J	0.407	J	mg/Kg	☼	8	20
Chromium	14.4		193.8	*	mg/Kg	☼	172	20
Copper	31.0		30.37		mg/Kg	☼	2	20
Lead	64.9		57.88		mg/Kg	☼	11	20
Manganese	450		350.8	*	mg/Kg	☼	25	20
Nickel	9.0		98.50	*	mg/Kg	☼	167	20
Selenium	0.39	J	0.386	J	mg/Kg	☼	2	20
Silver	0.41	U	0.41	U	mg/Kg	☼	NC	20
Zinc	106		82.59	*	mg/Kg	☼	25	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1002904/1-A
Matrix: Solid
Analysis Batch: 1002949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1002904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		10/23/24 01:29	10/23/24 05:58	1

Lab Sample ID: LCSSRM 460-1002904/2-A ^40
Matrix: Solid
Analysis Batch: 1002949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1002904

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	24.21		mg/Kg		106.2	70.6 - 129.4

Lab Sample ID: 460-313878-E-4-K MS
Matrix: Solid
Analysis Batch: 1002949

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1002904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.015	U	0.0747	0.0880		mg/Kg	☼	118	80 - 120

Lab Sample ID: 460-313878-E-4-L MSD
Matrix: Solid
Analysis Batch: 1002949

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1002904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.015	U	0.0747	0.0894		mg/Kg	☼	120	80 - 120	1	20

Lab Sample ID: 460-313878-A-4-D DU
Matrix: Solid
Analysis Batch: 1002949

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1002904

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.015	U	0.015	U	mg/Kg	☼	NC	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-313742-D-2 DU
Matrix: Solid
Analysis Batch: 1002836

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.0		7.0		%		0.05	20
Percent Solids	93.0		93.0		%		0	20

Lab Sample ID: 460-313937-A-3 DU
Matrix: Solid
Analysis Batch: 1002836

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10.9		11.1		%		2	20
Percent Solids	89.1		88.9		%		0.2	20

GC/MS VOA

Prep Batch: 1002765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-2	SB-1_(13-15)	Total/NA	Solid	5035	

Prep Batch: 1002768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	5035	
460-313881-3	SB-4_(0-2)	Total/NA	Solid	5035	
460-313881-4	SB-4_(9-11)	Total/NA	Solid	5035	
460-313881-5	SB-3_(0-2)	Total/NA	Solid	5035	
460-313881-6	SB-2_(0-2)	Total/NA	Solid	5035	
LB3 460-1002768/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1002958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-2	SB-1_(13-15)	Total/NA	Solid	8260D	1002765
MB 460-1002958/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-1002958/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1002958/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1003031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-1002768/1-A	Method Blank	Total/NA	Solid	8260D	1002768
MB 460-1003031/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1003031/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1003031/6	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1003141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-3	SB-4_(0-2)	Total/NA	Solid	8260D	1002768
460-313881-5	SB-3_(0-2)	Total/NA	Solid	8260D	1002768
460-313881-6	SB-2_(0-2)	Total/NA	Solid	8260D	1002768
MB 460-1003141/6	Method Blank	Total/NA	Solid	8260D	
LCS 460-1003141/2	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1003141/3	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1003181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	8260D	1002768
460-313881-4	SB-4_(9-11)	Total/NA	Solid	8260D	1002768
MB 460-1003181/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1003181/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1003181/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1002898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	3546	
460-313881-2	SB-1_(13-15)	Total/NA	Solid	3546	
460-313881-3	SB-4_(0-2)	Total/NA	Solid	3546	
460-313881-4	SB-4_(9-11)	Total/NA	Solid	3546	
460-313881-5	SB-3_(0-2)	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 1002898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-6	SB-2_(0-2)	Total/NA	Solid	3546	
MB 460-1002898/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1002898/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1002898/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-313734-A-5-B MS	Matrix Spike	Total/NA	Solid	3546	
460-313734-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1002933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	8270E	1002898
460-313881-2	SB-1_(13-15)	Total/NA	Solid	8270E	1002898
460-313881-3	SB-4_(0-2)	Total/NA	Solid	8270E	1002898
460-313881-4	SB-4_(9-11)	Total/NA	Solid	8270E	1002898
460-313881-5	SB-3_(0-2)	Total/NA	Solid	8270E	1002898
460-313881-6	SB-2_(0-2)	Total/NA	Solid	8270E	1002898
MB 460-1002898/1-A	Method Blank	Total/NA	Solid	8270E	1002898
LCS 460-1002898/2-A	Lab Control Sample	Total/NA	Solid	8270E	1002898
LCSD 460-1002898/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1002898
460-313734-A-5-B MS	Matrix Spike	Total/NA	Solid	8270E	1002898
460-313734-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1002898

GC Semi VOA

Analysis Batch: 1002819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-3	SB-4_(0-2)	Total/NA	Solid	8082A	1002843
460-313881-5	SB-3_(0-2)	Total/NA	Solid	8082A	1002843
460-313881-6	SB-2_(0-2)	Total/NA	Solid	8082A	1002843
MB 460-1002843/1-A	Method Blank	Total/NA	Solid	8082A	1002843
LCS 460-1002843/2-A	Lab Control Sample	Total/NA	Solid	8082A	1002843
LCSD 460-1002843/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1002843
460-313880-E-1-A MS	Matrix Spike	Total/NA	Solid	8082A	1002843
460-313880-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1002843

Prep Batch: 1002843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-3	SB-4_(0-2)	Total/NA	Solid	3546	
460-313881-5	SB-3_(0-2)	Total/NA	Solid	3546	
460-313881-6	SB-2_(0-2)	Total/NA	Solid	3546	
MB 460-1002843/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1002843/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1002843/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-313880-E-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-313880-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1003109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	3546	
MB 460-1003109/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1003109/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1003109/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1003109 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313620-E-3-D MS	Matrix Spike	Total/NA	Solid	3546	
460-313620-E-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1003175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	8082A	1003109
MB 460-1003109/1-A	Method Blank	Total/NA	Solid	8082A	1003109
LCS 460-1003109/2-A	Lab Control Sample	Total/NA	Solid	8082A	1003109
LCSD 460-1003109/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1003109
460-313620-E-3-D MS	Matrix Spike	Total/NA	Solid	8082A	1003109
460-313620-E-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1003109

Metals

Prep Batch: 1002904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	7471B	
460-313881-2	SB-1_(13-15)	Total/NA	Solid	7471B	
460-313881-3	SB-4_(0-2)	Total/NA	Solid	7471B	
460-313881-4	SB-4_(9-11)	Total/NA	Solid	7471B	
460-313881-5	SB-3_(0-2)	Total/NA	Solid	7471B	
460-313881-6	SB-2_(0-2)	Total/NA	Solid	7471B	
MB 460-1002904/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1002904/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-313878-E-4-K MS	Matrix Spike	Total/NA	Solid	7471B	
460-313878-E-4-L MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-313878-A-4-D DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1002949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	7471B	1002904
460-313881-2	SB-1_(13-15)	Total/NA	Solid	7471B	1002904
460-313881-3	SB-4_(0-2)	Total/NA	Solid	7471B	1002904
460-313881-4	SB-4_(9-11)	Total/NA	Solid	7471B	1002904
460-313881-5	SB-3_(0-2)	Total/NA	Solid	7471B	1002904
460-313881-6	SB-2_(0-2)	Total/NA	Solid	7471B	1002904
MB 460-1002904/1-A	Method Blank	Total/NA	Solid	7471B	1002904
LCSSRM 460-1002904/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1002904
460-313878-E-4-K MS	Matrix Spike	Total/NA	Solid	7471B	1002904
460-313878-E-4-L MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	1002904
460-313878-A-4-D DU	Duplicate	Total/NA	Solid	7471B	1002904

Prep Batch: 1003240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	3050B	
460-313881-2	SB-1_(13-15)	Total/NA	Solid	3050B	
460-313881-3	SB-4_(0-2)	Total/NA	Solid	3050B	
460-313881-4	SB-4_(9-11)	Total/NA	Solid	3050B	
460-313881-5	SB-3_(0-2)	Total/NA	Solid	3050B	
460-313881-6	SB-2_(0-2)	Total/NA	Solid	3050B	
MB 460-1003240/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 1003240 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-1003240/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-313895-C-1-M MS	Matrix Spike	Total/NA	Solid	3050B	
460-313895-C-1-N MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
460-313895-C-1-L DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 1003563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	6020B	1003240
460-313881-2	SB-1_(13-15)	Total/NA	Solid	6020B	1003240
460-313881-3	SB-4_(0-2)	Total/NA	Solid	6020B	1003240
460-313881-4	SB-4_(9-11)	Total/NA	Solid	6020B	1003240
460-313881-5	SB-3_(0-2)	Total/NA	Solid	6020B	1003240
460-313881-6	SB-2_(0-2)	Total/NA	Solid	6020B	1003240
MB 460-1003240/1-A	Method Blank	Total/NA	Solid	6020B	1003240
LCSSRM 460-1003240/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1003240
460-313895-C-1-M MS	Matrix Spike	Total/NA	Solid	6020B	1003240
460-313895-C-1-N MSD	Matrix Spike Duplicate	Total/NA	Solid	6020B	1003240
460-313895-C-1-L DU	Duplicate	Total/NA	Solid	6020B	1003240

General Chemistry

Analysis Batch: 1002836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313881-1	SB-1_(0-2)	Total/NA	Solid	Moisture	
460-313881-2	SB-1_(13-15)	Total/NA	Solid	Moisture	
460-313881-3	SB-4_(0-2)	Total/NA	Solid	Moisture	
460-313881-4	SB-4_(9-11)	Total/NA	Solid	Moisture	
460-313881-5	SB-3_(0-2)	Total/NA	Solid	Moisture	
460-313881-6	SB-2_(0-2)	Total/NA	Solid	Moisture	
460-313742-D-2 DU	Duplicate	Total/NA	Solid	Moisture	
460-313937-A-3 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler Street

Job ID: 460-313881-1

Client Sample ID: SB-1_(0-2)
Date Collected: 10/21/24 08:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1002836	CJC	EET EDI	10/22/24 17:06

Client Sample ID: SB-1_(0-2)
Date Collected: 10/21/24 08:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-1
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1002768	MXW	EET EDI	10/22/24 11:34
Total/NA	Analysis	8260D		1	1003181	AAT	EET EDI	10/24/24 15:39
Total/NA	Prep	3546			1002898	GXY	EET EDI	10/22/24 22:32
Total/NA	Analysis	8270E		1	1002933	DXD	EET EDI	10/23/24 13:26
Total/NA	Prep	3546			1003109	ARA	EET EDI	10/23/24 18:02
Total/NA	Analysis	8082A		1	1003175	AAA	EET EDI	10/24/24 05:49
Total/NA	Prep	3050B			1003240	JKF	EET EDI	10/24/24 09:21
Total/NA	Analysis	6020B		1	1003563	CDC	EET EDI	10/25/24 14:28
Total/NA	Prep	7471B			1002904	TJS	EET EDI	10/23/24 01:29
Total/NA	Analysis	7471B		1	1002949	TJS	EET EDI	10/23/24 06:27

Client Sample ID: SB-1_(13-15)
Date Collected: 10/21/24 09:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1002836	CJC	EET EDI	10/22/24 17:06

Client Sample ID: SB-1_(13-15)
Date Collected: 10/21/24 09:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-2
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1002765	MXW	EET EDI	10/22/24 11:29
Total/NA	Analysis	8260D		50	1002958	MZS	EET EDI	10/23/24 13:01
Total/NA	Prep	3546			1002898	GXY	EET EDI	10/22/24 22:32
Total/NA	Analysis	8270E		1	1002933	DXD	EET EDI	10/23/24 10:44
Total/NA	Prep	3050B			1003240	JKF	EET EDI	10/24/24 09:21
Total/NA	Analysis	6020B		1	1003563	CDC	EET EDI	10/25/24 14:30
Total/NA	Prep	7471B			1002904	TJS	EET EDI	10/23/24 01:29
Total/NA	Analysis	7471B		1	1002949	TJS	EET EDI	10/23/24 06:28

Client Sample ID: SB-4_(0-2)
Date Collected: 10/21/24 10:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1002836	CJC	EET EDI	10/22/24 17:06

Client Sample ID: SB-4_(0-2)

Lab Sample ID: 460-313881-3
Date Collected: 10/21/24 10:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1002768	MXW	EET EDI	10/22/24 11:38
Total/NA	Analysis	8260D		1	1003141	AAT	EET EDI	10/24/24 02:46
Total/NA	Prep	3546			1002898	GXY	EET EDI	10/22/24 22:32
Total/NA	Analysis	8270E		1	1002933	DXD	EET EDI	10/23/24 13:49
Total/NA	Prep	3546			1002843	ARA	EET EDI	10/22/24 17:18
Total/NA	Analysis	8082A		1	1002819	CDC	EET EDI	10/23/24 01:26
Total/NA	Prep	3050B			1003240	JKF	EET EDI	10/24/24 09:21
Total/NA	Analysis	6020B		1	1003563	CDC	EET EDI	10/25/24 14:33
Total/NA	Prep	7471B			1002904	TJS	EET EDI	10/23/24 01:29
Total/NA	Analysis	7471B		40	1002949	TJS	EET EDI	10/23/24 06:53

Client Sample ID: SB-4_(9-11)

Lab Sample ID: 460-313881-4
Date Collected: 10/21/24 11:30
Matrix: Solid
Date Received: 10/21/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1002836	CJC	EET EDI	10/22/24 17:06

Client Sample ID: SB-4_(9-11)

Lab Sample ID: 460-313881-4
Date Collected: 10/21/24 11:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1002768	MXW	EET EDI	10/22/24 11:41
Total/NA	Analysis	8260D		1	1003181	AAT	EET EDI	10/24/24 14:50
Total/NA	Prep	3546			1002898	GXY	EET EDI	10/22/24 22:32
Total/NA	Analysis	8270E		1	1002933	DXD	EET EDI	10/23/24 11:07
Total/NA	Prep	3050B			1003240	JKF	EET EDI	10/24/24 09:21
Total/NA	Analysis	6020B		1	1003563	CDC	EET EDI	10/25/24 14:35
Total/NA	Prep	7471B			1002904	TJS	EET EDI	10/23/24 01:29
Total/NA	Analysis	7471B		3	1002949	TJS	EET EDI	10/23/24 06:55

Client Sample ID: SB-3_(0-2)

Lab Sample ID: 460-313881-5
Date Collected: 10/21/24 12:30
Matrix: Solid
Date Received: 10/21/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1002836	CJC	EET EDI	10/22/24 17:06

Client Sample ID: SB-3_(0-2)

Lab Sample ID: 460-313881-5
Date Collected: 10/21/24 12:30
Matrix: Solid
Date Received: 10/21/24 18:20
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1002768	MXW	EET EDI	10/22/24 11:43
Total/NA	Analysis	8260D		1	1003141	AAT	EET EDI	10/24/24 01:56

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler Street

Job ID: 460-313881-1

Client Sample ID: SB-3_(0-2)

Date Collected: 10/21/24 12:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-5

Matrix: Solid
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1002898	GXY	EET EDI	10/22/24 22:32
Total/NA	Analysis	8270E		1	1002933	DXD	EET EDI	10/23/24 14:12
Total/NA	Prep	3546			1002843	ARA	EET EDI	10/22/24 17:18
Total/NA	Analysis	8082A		1	1002819	CDC	EET EDI	10/23/24 01:43
Total/NA	Prep	3050B			1003240	JKF	EET EDI	10/24/24 09:21
Total/NA	Analysis	6020B		1	1003563	CDC	EET EDI	10/25/24 14:38
Total/NA	Prep	7471B			1002904	TJS	EET EDI	10/23/24 01:29
Total/NA	Analysis	7471B		1	1002949	TJS	EET EDI	10/23/24 06:57

Client Sample ID: SB-2_(0-2)

Date Collected: 10/21/24 13:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1002836	CJC	EET EDI	10/22/24 17:06

Client Sample ID: SB-2_(0-2)

Date Collected: 10/21/24 13:30
Date Received: 10/21/24 18:20

Lab Sample ID: 460-313881-6

Matrix: Solid
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1002768	MXW	EET EDI	10/22/24 11:45
Total/NA	Analysis	8260D		1	1003141	AAT	EET EDI	10/24/24 02:21
Total/NA	Prep	3546			1002898	GXY	EET EDI	10/22/24 22:32
Total/NA	Analysis	8270E		1	1002933	DXD	EET EDI	10/23/24 14:36
Total/NA	Prep	3546			1002843	ARA	EET EDI	10/22/24 17:18
Total/NA	Analysis	8082A		1	1002819	CDC	EET EDI	10/23/24 02:01
Total/NA	Prep	3050B			1003240	JKF	EET EDI	10/24/24 09:21
Total/NA	Analysis	6020B		1	1003563	CDC	EET EDI	10/25/24 14:52
Total/NA	Prep	7471B			1002904	TJS	EET EDI	10/23/24 01:29
Total/NA	Analysis	7471B		3	1002949	TJS	EET EDI	10/23/24 06:58

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313881-1
Project/Site: 264 Butler Street

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313881-1
Project/Site: 264 Butler Street

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313881-1
Project/Site: 264 Butler Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-313881-1	SB-1_(0-2)	Solid	10/21/24 08:30	10/21/24 18:20
460-313881-2	SB-1_(13-15)	Solid	10/21/24 09:30	10/21/24 18:20
460-313881-3	SB-4_(0-2)	Solid	10/21/24 10:30	10/21/24 18:20
460-313881-4	SB-4_(9-11)	Solid	10/21/24 11:30	10/21/24 18:20
460-313881-5	SB-3_(0-2)	Solid	10/21/24 12:30	10/21/24 18:20
460-313881-6	SB-2_(0-2)	Solid	10/21/24 13:30	10/21/24 18:20

Chain of Custody Record

NYC 222

686057

313881

eurofins | Environment Testing America

TAL-8210

Address.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Jack Rock	Site Contact: Ben Weintraub	Date: 10/21/24	COC No: 1 of ___ COCs
Company Name: Rock	Tel/Email: 8459056286, rockdrill	Lab Contact:	Carrier:	Sampler:
Address: 209 Shetter St	Analysis Turnaround Time: Incom			For Lab Use Only:
City/State/Zip: Islandia NY 11749	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: 631 232 2600	TAT if different from Below: Standard			Lab Sampling
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.
Project Name: 264 Butler				
Site:				
PO# 4447.00034000				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260D Pet 375 VOC	8270E Pet 375 SVOC	6020B Pet 375 Metals	7471B Mercury	8082A PCBs	Sample Specific Notes:
SB-1_(0-2)	10/21/24	0830	G	S	6	N	N	X	X	X	X	X	1
SB-1_(13-15)		0930			5	N	N						2
SB-[redacted]4_(0-2)		1030			6	N	N					X	3
SB-[redacted]4_(9-11)		1130			5	N	N						4
SB-3_(0-2)		1230			6	N	N					X	5
SB-[redacted]2_(0-2)		1330			6	N	N					X	6
~~SB-2~~													
~~SB-2~~													

460-313881 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ___

SHOR HOL

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd: ___ Corr'd: ___ | Therm ID No.:

	Company	Date/Time		Company	Date/Time
Relinquished by: Ben Weintraub	Rock	10/21/24 1430	Received by:	TA NYC	10/21/24 1430
Relinquished by:	TA NYC	10/21/24 1700	Received by:	E.E.T	10-24-24 1630
Relinquished by:	E.E.T 10-21-24	1820	Received in Laboratory by: Blake		10/21/24 1620

1,6,5,8

10/28/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 313881

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.6 °C	1.8 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 6-21-24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-313881-1

Login Number: 313881
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jack Rusk
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 10/29/2024 3:34:08 PM

JOB DESCRIPTION

264 Butler

JOB NUMBER

460-313980-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Job Notes

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

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.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

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Authorized for release by
Elizabeth Flannery, Project Manager I
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(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates 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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-313980-1

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 10/22/2024 7:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7°C and 3.0°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples TW-1_10222024 (460-313980-1), TW-2_10222024 (460-313980-2), SB-5_(0-2) (460-313980-3), SB-5_(13-15) (460-313980-4) and SB-2_(9-11) (460-313980-5) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 10/23/2024 and analyzed on 10/24/2024, 10/25/2024 and 10/26/2024.

Surrogate recovery for the following sample was outside control limits: SB-5_(13-15) (460-313980-4). Evidence of matrix interference is present; therefore, re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 460-1003619 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples TW-1_10222024 (460-313980-1), TW-2_10222024 (460-313980-2), SB-5_(0-2) (460-313980-3), SB-5_(13-15) (460-313980-4) and SB-2_(9-11) (460-313980-5) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 10/23/2024 and 10/24/2024 and analyzed on 10/24/2024 and 10/25/2024.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Sample SB-5_(0-2) (460-313980-3) was analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The sample was prepared on 10/24/2024 and analyzed on 10/25/2024.

Method 6020B - Metals (ICP/MS)
Samples TW-1_10222024 (460-313980-1), TW-2_10222024 (460-313980-2), SB-5_(0-2) (460-313980-3), SB-5_(13-15) (460-313980-4) and SB-2_(9-11) (460-313980-5) were analyzed for Metals (ICP/MS). The samples were prepared on 10/25/2024 and analyzed on 10/26/2024.

Method 6020B - Metals (ICP/MS) - Dissolved
Samples TW-1_10222024 (460-313980-1) and TW-2_10222024 (460-313980-2) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared and analyzed on 10/29/2024.

Method 7470A - Mercury (CVAA)
Samples TW-1_10222024 (460-313980-1) and TW-2_10222024 (460-313980-2) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 10/25/2024.

Method 7470A - Mercury (CVAA) - Dissolved
Samples TW-1_10222024 (460-313980-1) and TW-2_10222024 (460-313980-2) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared and analyzed on 10/28/2024.

Method 7471B - Mercury (CVAA)
Samples SB-5_(0-2) (460-313980-3), SB-5_(13-15) (460-313980-4) and SB-2_(9-11) (460-313980-5) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 10/24/2024.

Job ID: 460-313980-1 (Continued)

Sample SB-5_(0-2) (460-313980-3)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method Moisture - Percent Moisture
Samples SB-5_(0-2) (460-313980-3), SB-5_(13-15) (460-313980-4) and SB-2_(9-11) (460-313980-5) were analyzed for Percent Moisture. The samples were analyzed on 10/23/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313980-1
Project/Site: 264 Butler

Client Sample ID: TW-1_10222024
Lab Sample ID: 460-313980-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.94	J	1.0	0.37	ug/L	1		8260D	Total/NA
Acetone	4.6	J	5.0	4.4	ug/L	1		8260D	Total/NA
Benzene	0.63	J	1.0	0.20	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	3.8		1.0	0.22	ug/L	1		8260D	Total/NA
n-Butylbenzene	3.7		1.0	0.32	ug/L	1		8260D	Total/NA
N-Propylbenzene	15		1.0	0.32	ug/L	1		8260D	Total/NA
sec-Butylbenzene	8.3		1.0	0.37	ug/L	1		8260D	Total/NA
tert-Butylbenzene	0.90	J	1.0	0.34	ug/L	1		8260D	Total/NA
Toluene	0.78	J	1.0	0.38	ug/L	1		8260D	Total/NA
Trichloroethene	0.38	J	1.0	0.31	ug/L	1		8260D	Total/NA
Xylenes, Total	2.9		2.0	0.65	ug/L	1		8260D	Total/NA
2-Methylphenol	1.7	J	10	0.67	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	4.3	J	10	0.64	ug/L	1		8270E	Total/NA
Acenaphthene	13		10	1.1	ug/L	1		8270E	Total/NA
Anthracene	3.8	J	10	1.3	ug/L	1		8270E	Total/NA
Benzo[a]anthracene	1.5		1.0	0.59	ug/L	1		8270E	Total/NA
Benzo[a]pyrene	0.98	J	1.0	0.41	ug/L	1		8270E	Total/NA
Benzo[b]fluoranthene	1.1	J	2.0	0.68	ug/L	1		8270E	Total/NA
Chrysene	1.2	J	2.0	0.91	ug/L	1		8270E	Total/NA
Dibenzofuran	8.4	J	10	1.1	ug/L	1		8270E	Total/NA
Fluoranthene	5.0	J	10	0.84	ug/L	1		8270E	Total/NA
Fluorene	10		10	0.91	ug/L	1		8270E	Total/NA
Naphthalene	17		2.0	0.54	ug/L	1		8270E	Total/NA
Phenanthrene	18		10	1.3	ug/L	1		8270E	Total/NA
Phenol	1.4	J	10	0.29	ug/L	1		8270E	Total/NA
Pyrene	3.6	J	10	1.6	ug/L	1		8270E	Total/NA
Arsenic	17.2		2.0	0.89	ug/L	1		6020B	Total/NA
Barium	532		4.0	0.91	ug/L	1		6020B	Total/NA
Beryllium	0.14	J	0.80	0.13	ug/L	1		6020B	Total/NA
Chromium	4.8		4.0	2.5	ug/L	1		6020B	Total/NA
Copper	19.3		4.0	2.5	ug/L	1		6020B	Total/NA
Manganese	1820		8.0	1.5	ug/L	1		6020B	Total/NA
Nickel	5.8		4.0	0.91	ug/L	1		6020B	Total/NA
Lead	185		1.2	0.84	ug/L	1		6020B	Total/NA
Zinc	283		16.0	6.5	ug/L	1		6020B	Total/NA
Arsenic	1.3	J	2.0	1.2	ug/L	1		6020B	Dissolved
Barium	262		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	258000		500	31.7	ug/L	1		6020B	Dissolved
Cobalt	1.2	J	4.0	0.41	ug/L	1		6020B	Dissolved
Magnesium	45700		200	21.8	ug/L	1		6020B	Dissolved
Manganese	1730		8.0	0.84	ug/L	1		6020B	Dissolved
Nickel	1.5	J	4.0	1.4	ug/L	1		6020B	Dissolved
Potassium	29100		200	83.3	ug/L	1		6020B	Dissolved
Selenium	0.59	J	2.5	0.43	ug/L	1		6020B	Dissolved
Sodium	304000		500	180	ug/L	1		6020B	Dissolved
Zinc	4.5	J	16.0	4.2	ug/L	1		6020B	Dissolved
Mercury	1.2		0.20	0.091	ug/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313980-1
Project/Site: 264 Butler

Client Sample ID: TW-2_10222024
Lab Sample ID: 460-313980-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.29	J	1.0	0.22	ug/L	1		8260D	Total/NA
Arsenic	2.3		2.0	0.89	ug/L	1		6020B	Total/NA
Barium	206		4.0	0.91	ug/L	1		6020B	Total/NA
Chromium	2.7	J	4.0	2.5	ug/L	1		6020B	Total/NA
Copper	6.4		4.0	2.5	ug/L	1		6020B	Total/NA
Manganese	982		8.0	1.5	ug/L	1		6020B	Total/NA
Nickel	5.6		4.0	0.91	ug/L	1		6020B	Total/NA
Lead	63.3		1.2	0.84	ug/L	1		6020B	Total/NA
Zinc	23.3		16.0	6.5	ug/L	1		6020B	Total/NA
Barium	140		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	203000		500	31.7	ug/L	1		6020B	Dissolved
Magnesium	23800		200	21.8	ug/L	1		6020B	Dissolved
Manganese	966		8.0	0.84	ug/L	1		6020B	Dissolved
Potassium	16100		200	83.3	ug/L	1		6020B	Dissolved
Selenium	0.70	J	2.5	0.43	ug/L	1		6020B	Dissolved
Sodium	37700		500	180	ug/L	1		6020B	Dissolved

Client Sample ID: SB-5_(0-2)
Lab Sample ID: 460-313980-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.017	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.025	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.056	J	0.33	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.30		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.40		0.033	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.46		0.033	0.0086	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.32	J	0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.18		0.033	0.0065	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.35		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.066		0.033	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.011	J	0.33	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.54		0.33	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.011	J	0.33	0.0097	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.29		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.022	J	0.33	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.26	J	0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.58		0.33	0.0083	mg/Kg	1	☼	8270E	Total/NA
Arsenic	12.4		0.94	0.096	mg/Kg	1	☼	6020B	Total/NA
Barium	118		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.32	J	0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.23	J	0.94	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.7		1.9	0.85	mg/Kg	1	☼	6020B	Total/NA
Copper	41.2		1.9	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	504		0.56	0.19	mg/Kg	1	☼	6020B	Total/NA
Manganese	230		3.7	0.38	mg/Kg	1	☼	6020B	Total/NA
Nickel	25.2		1.9	0.44	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.60	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.37	0.083	mg/Kg	1	☼	6020B	Total/NA
Zinc	121		7.5	2.9	mg/Kg	1	☼	6020B	Total/NA
Mercury	2.2		0.083	0.039	mg/Kg	5	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313980-1
Project/Site: 264 Butler

Client Sample ID: SB-5_(13-15)
Lab Sample ID: 460-313980-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.035		0.0015	0.00037	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0070		0.0015	0.00047	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.50		0.0090	0.0086	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.44		0.0015	0.00039	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.087		0.0015	0.00030	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.13		0.0015	0.00044	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.60		0.0015	0.00026	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.33		0.0015	0.00043	mg/Kg	1	☼	8260D	Total/NA
tert-Butylbenzene	0.039		0.0015	0.00041	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.049		0.0015	0.00035	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.21		0.0030	0.00026	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.022	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.043	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.090		0.035	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.083		0.035	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.088		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.044	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.041		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.093	J	0.35	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.21	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.022	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.046		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.034	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.17	J	0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.18	J	0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Arsenic	5.8		0.93	0.095	mg/Kg	1	☼	6020B	Total/NA
Barium	46.4		1.9	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.23	J	0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.4		1.9	0.84	mg/Kg	1	☼	6020B	Total/NA
Copper	12.8		1.9	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	70.8		0.56	0.19	mg/Kg	1	☼	6020B	Total/NA
Manganese	229		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	28.8		1.9	0.43	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.60	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Zinc	62.3		7.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.074		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2_(9-11)
Lab Sample ID: 460-313980-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.036		0.0062	0.0059	mg/Kg	1	☼	8260D	Total/NA
Pyrene	0.0098	J	0.33	0.0083	mg/Kg	1	☼	8270E	Total/NA
Arsenic	2.8		0.84	0.086	mg/Kg	1	☼	6020B	Total/NA
Barium	42.2		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.34	0.048	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.7		1.7	0.76	mg/Kg	1	☼	6020B	Total/NA
Copper	22.2		1.7	0.31	mg/Kg	1	☼	6020B	Total/NA
Lead	64.8		0.50	0.17	mg/Kg	1	☼	6020B	Total/NA
Manganese	240		3.4	0.34	mg/Kg	1	☼	6020B	Total/NA
Nickel	30.0		1.7	0.39	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.22	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: SB-2_(9-11) (Continued)
Lab Sample ID: 460-313980-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	41.5		6.7	2.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.38		0.016	0.0077	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TW-1_10222024
Lab Sample ID: 460-313980-1

Date Collected: 10/22/24 09:15
Matrix: Water

Date Received: 10/22/24 19:45

Method: SW846 8260D - 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	0.24	ug/L			10/24/24 15:57	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			10/24/24 15:57	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			10/24/24 15:57	1
1,2,4-Trimethylbenzene	**0.94**	**J**	1.0	0.37	ug/L			10/24/24 15:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			10/24/24 15:57	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			10/24/24 15:57	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			10/24/24 15:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			10/24/24 15:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			10/24/24 15:57	1
1,4-Dioxane	50	U	50	28	ug/L			10/24/24 15:57	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			10/24/24 15:57	1
Acetone	**4.6**	**J**	5.0	4.4	ug/L			10/24/24 15:57	1
Benzene	**0.63**	**J**	1.0	0.20	ug/L			10/24/24 15:57	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			10/24/24 15:57	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/24/24 15:57	1
Chloroform	1.0	U	1.0	0.33	ug/L			10/24/24 15:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			10/24/24 15:57	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			10/24/24 15:57	1
Methyl tert-butyl ether	**3.8**		1.0	0.22	ug/L			10/24/24 15:57	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			10/24/24 15:57	1
n-Butylbenzene	**3.7**		1.0	0.32	ug/L			10/24/24 15:57	1
N-Propylbenzene	**15**		1.0	0.32	ug/L			10/24/24 15:57	1
sec-Butylbenzene	**8.3**		1.0	0.37	ug/L			10/24/24 15:57	1
tert-Butylbenzene	**0.90**	**J**	1.0	0.34	ug/L			10/24/24 15:57	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			10/24/24 15:57	1
Toluene	**0.78**	**J**	1.0	0.38	ug/L			10/24/24 15:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/24/24 15:57	1
Trichloroethene	**0.38**	**J**	1.0	0.31	ug/L			10/24/24 15:57	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			10/24/24 15:57	1
Xylenes, Total	**2.9**		2.0	0.65	ug/L			10/24/24 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 128*		*10/24/24 15:57*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*10/24/24 15:57*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 132*		*10/24/24 15:57*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/24/24 15:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	**1.7**	**J**	10	0.67	ug/L		10/24/24 10:59	10/25/24 03:19	1
3 & 4 Methylphenol	**4.3**	**J**	10	0.64	ug/L		10/24/24 10:59	10/25/24 03:19	1
Acenaphthene	**13**		10	1.1	ug/L		10/24/24 10:59	10/25/24 03:19	1
Acenaphthylene	10	U	10	0.82	ug/L		10/24/24 10:59	10/25/24 03:19	1
Anthracene	**3.8**	**J**	10	1.3	ug/L		10/24/24 10:59	10/25/24 03:19	1
Benzo[a]anthracene	**1.5**		1.0	0.59	ug/L		10/24/24 10:59	10/25/24 03:19	1
Benzo[a]pyrene	**0.98**	**J**	1.0	0.41	ug/L		10/24/24 10:59	10/25/24 03:19	1
Benzo[b]fluoranthene	**1.1**	**J**	2.0	0.68	ug/L		10/24/24 10:59	10/25/24 03:19	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		10/24/24 10:59	10/25/24 03:19	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		10/24/24 10:59	10/25/24 03:19	1
Chrysene	**1.2**	**J**	2.0	0.91	ug/L		10/24/24 10:59	10/25/24 03:19	1

Client Sample ID: TW-1_10222024
Date Collected: 10/22/24 09:15
Date Received: 10/22/24 19:45

Lab Sample ID: 460-313980-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		10/24/24 10:59	10/25/24 03:19	1
Dibenzofuran	**8.4**	**J**	10	1.1	ug/L		10/24/24 10:59	10/25/24 03:19	1
Fluoranthene	**5.0**	**J**	10	0.84	ug/L		10/24/24 10:59	10/25/24 03:19	1
Fluorene	**10**		10	0.91	ug/L		10/24/24 10:59	10/25/24 03:19	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		10/24/24 10:59	10/25/24 03:19	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		10/24/24 10:59	10/25/24 03:19	1
Naphthalene	**17**		2.0	0.54	ug/L		10/24/24 10:59	10/25/24 03:19	1
Pentachlorophenol	20	U	20	1.4	ug/L		10/24/24 10:59	10/25/24 03:19	1
Phenanthrene	**18**		10	1.3	ug/L		10/24/24 10:59	10/25/24 03:19	1
Phenol	**1.4**	**J**	10	0.29	ug/L		10/24/24 10:59	10/25/24 03:19	1
Pyrene	**3.6**	**J**	10	1.6	ug/L		10/24/24 10:59	10/25/24 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*37 - 150*	*10/24/24 10:59*	*10/25/24 03:19*	*1*
2-Fluorobiphenyl	*87*		*46 - 139*	*10/24/24 10:59*	*10/25/24 03:19*	*1*
2-Fluorophenol (Surr)	*42*		*16 - 80*	*10/24/24 10:59*	*10/25/24 03:19*	*1*
Nitrobenzene-d5 (Surr)	*94*		*51 - 145*	*10/24/24 10:59*	*10/25/24 03:19*	*1*
Phenol-d5 (Surr)	*31*		*10 - 56*	*10/24/24 10:59*	*10/25/24 03:19*	*1*
Terphenyl-d14 (Surr)	*31*		*13 - 159*	*10/24/24 10:59*	*10/25/24 03:19*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.29	ug/L		10/25/24 18:50	10/26/24 15:45	1
Arsenic	**17.2**		2.0	0.89	ug/L		10/25/24 18:50	10/26/24 15:45	1
Barium	**532**		4.0	0.91	ug/L		10/25/24 18:50	10/26/24 15:45	1
Beryllium	**0.14**	**J**	0.80	0.13	ug/L		10/25/24 18:50	10/26/24 15:45	1
Cadmium	2.0	U	2.0	0.39	ug/L		10/25/24 18:50	10/26/24 15:45	1
Chromium	**4.8**		4.0	2.5	ug/L		10/25/24 18:50	10/26/24 15:45	1
Copper	**19.3**		4.0	2.5	ug/L		10/25/24 18:50	10/26/24 15:45	1
Manganese	**1820**		8.0	1.5	ug/L		10/25/24 18:50	10/26/24 15:45	1
Nickel	**5.8**		4.0	0.91	ug/L		10/25/24 18:50	10/26/24 15:45	1
Lead	**185**		1.2	0.84	ug/L		10/25/24 18:50	10/26/24 15:45	1
Selenium	2.5	U	2.5	0.59	ug/L		10/25/24 18:50	10/26/24 15:45	1
Zinc	**283**		16.0	6.5	ug/L		10/25/24 18:50	10/26/24 15:45	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		10/29/24 00:38	10/29/24 02:10	1
Antimony	2.0	U	2.0	0.48	ug/L		10/29/24 00:38	10/29/24 02:10	1
Arsenic	**1.3**	**J**	2.0	1.2	ug/L		10/29/24 00:38	10/29/24 02:10	1
Barium	**262**		4.0	0.93	ug/L		10/29/24 00:38	10/29/24 02:10	1
Beryllium	0.80	U	0.80	0.12	ug/L		10/29/24 00:38	10/29/24 02:10	1
Cadmium	2.0	U	2.0	0.38	ug/L		10/29/24 00:38	10/29/24 02:10	1
Calcium	**258000**		500	31.7	ug/L		10/29/24 00:38	10/29/24 02:10	1
Chromium	4.0	U	4.0	1.7	ug/L		10/29/24 00:38	10/29/24 02:10	1
Cobalt	**1.2**	**J**	4.0	0.41	ug/L		10/29/24 00:38	10/29/24 02:10	1
Copper	4.0	U	4.0	2.0	ug/L		10/29/24 00:38	10/29/24 02:10	1
Iron	120	U	120	33.7	ug/L		10/29/24 00:38	10/29/24 02:10	1
Lead	1.2	U	1.2	0.42	ug/L		10/29/24 00:38	10/29/24 02:10	1
Magnesium	**45700**		200	21.8	ug/L		10/29/24 00:38	10/29/24 02:10	1

Client Sample ID: TW-1_10222024
Lab Sample ID: 460-313980-1
Date Collected: 10/22/24 09:15
Matrix: Water
Date Received: 10/22/24 19:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1730**		8.0	0.84	ug/L		10/29/24 00:38	10/29/24 02:10	1
Nickel	**1.5**	**J**	4.0	1.4	ug/L		10/29/24 00:38	10/29/24 02:10	1
Potassium	**29100**		200	83.3	ug/L		10/29/24 00:38	10/29/24 02:10	1
Selenium	**0.59**	**J**	2.5	0.43	ug/L		10/29/24 00:38	10/29/24 02:10	1
Silver	2.0	U	2.0	1.3	ug/L		10/29/24 00:38	10/29/24 02:10	1
Sodium	**304000**		500	180	ug/L		10/29/24 00:38	10/29/24 02:10	1
Thallium	0.80	U	0.80	0.19	ug/L		10/29/24 00:38	10/29/24 02:10	1
Vanadium	4.0	U	4.0	1.0	ug/L		10/29/24 00:38	10/29/24 02:10	1
Zinc	**4.5**	**J**	16.0	4.2	ug/L		10/29/24 00:38	10/29/24 02:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.2**		0.20	0.091	ug/L		10/25/24 11:47	10/25/24 14:55	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		10/28/24 15:09	10/28/24 16:01	1

Client Sample ID: TW-2_10222024
Lab Sample ID: 460-313980-2
Date Collected: 10/22/24 11:50
Matrix: Water
Date Received: 10/22/24 19:45

Method: SW846 8260D - 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	0.24	ug/L			10/24/24 16:17	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			10/24/24 16:17	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			10/24/24 16:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			10/24/24 16:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			10/24/24 16:17	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			10/24/24 16:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			10/24/24 16:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			10/24/24 16:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			10/24/24 16:17	1
1,4-Dioxane	50	U	50	28	ug/L			10/24/24 16:17	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			10/24/24 16:17	1
Acetone	5.0	U	5.0	4.4	ug/L			10/24/24 16:17	1
Benzene	1.0	U	1.0	0.20	ug/L			10/24/24 16:17	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			10/24/24 16:17	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/24/24 16:17	1
Chloroform	1.0	U	1.0	0.33	ug/L			10/24/24 16:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			10/24/24 16:17	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			10/24/24 16:17	1
Methyl tert-butyl ether	**0.29**	**J**	1.0	0.22	ug/L			10/24/24 16:17	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			10/24/24 16:17	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			10/24/24 16:17	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			10/24/24 16:17	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			10/24/24 16:17	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			10/24/24 16:17	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			10/24/24 16:17	1
Toluene	1.0	U	1.0	0.38	ug/L			10/24/24 16:17	1

Client Sample ID: TW-2_10222024
Lab Sample ID: 460-313980-2
Date Collected: 10/22/24 11:50
Matrix: Water
Date Received: 10/22/24 19:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/24/24 16:17	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			10/24/24 16:17	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			10/24/24 16:17	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			10/24/24 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 128*		*10/24/24 16:17*	*1*
4-Bromofluorobenzene	*94*		*76 - 120*		*10/24/24 16:17*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 132*		*10/24/24 16:17*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/24/24 16:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		10/24/24 10:59	10/25/24 03:40	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		10/24/24 10:59	10/25/24 03:40	1
Acenaphthene	10	U	10	1.1	ug/L		10/24/24 10:59	10/25/24 03:40	1
Acenaphthylene	10	U	10	0.82	ug/L		10/24/24 10:59	10/25/24 03:40	1
Anthracene	10	U	10	1.3	ug/L		10/24/24 10:59	10/25/24 03:40	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		10/24/24 10:59	10/25/24 03:40	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		10/24/24 10:59	10/25/24 03:40	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		10/24/24 10:59	10/25/24 03:40	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		10/24/24 10:59	10/25/24 03:40	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		10/24/24 10:59	10/25/24 03:40	1
Chrysene	2.0	U	2.0	0.91	ug/L		10/24/24 10:59	10/25/24 03:40	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		10/24/24 10:59	10/25/24 03:40	1
Dibenzofuran	10	U	10	1.1	ug/L		10/24/24 10:59	10/25/24 03:40	1
Fluoranthene	10	U	10	0.84	ug/L		10/24/24 10:59	10/25/24 03:40	1
Fluorene	10	U	10	0.91	ug/L		10/24/24 10:59	10/25/24 03:40	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		10/24/24 10:59	10/25/24 03:40	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		10/24/24 10:59	10/25/24 03:40	1
Naphthalene	2.0	U	2.0	0.54	ug/L		10/24/24 10:59	10/25/24 03:40	1
Pentachlorophenol	20	U	20	1.4	ug/L		10/24/24 10:59	10/25/24 03:40	1
Phenanthrene	10	U	10	1.3	ug/L		10/24/24 10:59	10/25/24 03:40	1
Phenol	10	U	10	0.29	ug/L		10/24/24 10:59	10/25/24 03:40	1
Pyrene	10	U	10	1.6	ug/L		10/24/24 10:59	10/25/24 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*37 - 150*	*10/24/24 10:59*	*10/25/24 03:40*	*1*
2-Fluorobiphenyl	*80*		*46 - 139*	*10/24/24 10:59*	*10/25/24 03:40*	*1*
2-Fluorophenol (Surr)	*38*		*16 - 80*	*10/24/24 10:59*	*10/25/24 03:40*	*1*
Nitrobenzene-d5 (Surr)	*86*		*51 - 145*	*10/24/24 10:59*	*10/25/24 03:40*	*1*
Phenol-d5 (Surr)	*26*		*10 - 56*	*10/24/24 10:59*	*10/25/24 03:40*	*1*
Terphenyl-d14 (Surr)	*30*		*13 - 159*	*10/24/24 10:59*	*10/25/24 03:40*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.29	ug/L		10/25/24 18:50	10/26/24 15:52	1
Arsenic	**2.3**		2.0	0.89	ug/L		10/25/24 18:50	10/26/24 15:52	1
Barium	**206**		4.0	0.91	ug/L		10/25/24 18:50	10/26/24 15:52	1
Beryllium	0.80	U	0.80	0.13	ug/L		10/25/24 18:50	10/26/24 15:52	1

Client Sample ID: TW-2_10222024
Lab Sample ID: 460-313980-2
Date Collected: 10/22/24 11:50
Matrix: Water
Date Received: 10/22/24 19:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.39	ug/L		10/25/24 18:50	10/26/24 15:52	1
Chromium	**2.7**	**J**	4.0	2.5	ug/L		10/25/24 18:50	10/26/24 15:52	1
Copper	**6.4**		4.0	2.5	ug/L		10/25/24 18:50	10/26/24 15:52	1
Manganese	**982**		8.0	1.5	ug/L		10/25/24 18:50	10/26/24 15:52	1
Nickel	**5.6**		4.0	0.91	ug/L		10/25/24 18:50	10/26/24 15:52	1
Lead	**63.3**		1.2	0.84	ug/L		10/25/24 18:50	10/26/24 15:52	1
Selenium	2.5	U	2.5	0.59	ug/L		10/25/24 18:50	10/26/24 15:52	1
Zinc	**23.3**		16.0	6.5	ug/L		10/25/24 18:50	10/26/24 15:52	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		10/29/24 00:38	10/29/24 02:12	1
Antimony	2.0	U	2.0	0.48	ug/L		10/29/24 00:38	10/29/24 02:12	1
Arsenic	2.0	U	2.0	1.2	ug/L		10/29/24 00:38	10/29/24 02:12	1
Barium	**140**		4.0	0.93	ug/L		10/29/24 00:38	10/29/24 02:12	1
Beryllium	0.80	U	0.80	0.12	ug/L		10/29/24 00:38	10/29/24 02:12	1
Cadmium	2.0	U	2.0	0.38	ug/L		10/29/24 00:38	10/29/24 02:12	1
Calcium	**203000**		500	31.7	ug/L		10/29/24 00:38	10/29/24 02:12	1
Chromium	4.0	U	4.0	1.7	ug/L		10/29/24 00:38	10/29/24 02:12	1
Cobalt	4.0	U	4.0	0.41	ug/L		10/29/24 00:38	10/29/24 02:12	1
Copper	4.0	U	4.0	2.0	ug/L		10/29/24 00:38	10/29/24 02:12	1
Iron	120	U	120	33.7	ug/L		10/29/24 00:38	10/29/24 02:12	1
Lead	1.2	U	1.2	0.42	ug/L		10/29/24 00:38	10/29/24 02:12	1
Magnesium	**23800**		200	21.8	ug/L		10/29/24 00:38	10/29/24 02:12	1
Manganese	**966**		8.0	0.84	ug/L		10/29/24 00:38	10/29/24 02:12	1
Nickel	4.0	U	4.0	1.4	ug/L		10/29/24 00:38	10/29/24 02:12	1
Potassium	**16100**		200	83.3	ug/L		10/29/24 00:38	10/29/24 02:12	1
Selenium	**0.70**	**J**	2.5	0.43	ug/L		10/29/24 00:38	10/29/24 02:12	1
Silver	2.0	U	2.0	1.3	ug/L		10/29/24 00:38	10/29/24 02:12	1
Sodium	**37700**		500	180	ug/L		10/29/24 00:38	10/29/24 02:12	1
Thallium	0.80	U	0.80	0.19	ug/L		10/29/24 00:38	10/29/24 02:12	1
Vanadium	4.0	U	4.0	1.0	ug/L		10/29/24 00:38	10/29/24 02:12	1
Zinc	16.0	U	16.0	4.2	ug/L		10/29/24 00:38	10/29/24 02:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		10/25/24 11:47	10/25/24 14:56	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		10/28/24 15:09	10/28/24 15:54	1

Client Sample ID: SB-5_(0-2)
Lab Sample ID: 460-313980-3
Date Collected: 10/22/24 08:15
Matrix: Solid
Date Received: 10/22/24 19:45
Percent Solids: 98.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1

Client Sample ID: SB-5_(0-2)
Date Collected: 10/22/24 08:15
Date Received: 10/22/24 19:45

Lab Sample ID: 460-313980-3
Matrix: Solid
Percent Solids: 98.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00034	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
2-Butanone (MEK)	0.0069	U	0.0069	0.00051	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Acetone	0.0083	U	0.0083	0.0079	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00071	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
N-Propylbenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
tert-Butylbenzene	0.0014	U	0.0014	0.00038	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Tetrachloroethene	0.0014	U	0.0014	0.00042	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Vinyl chloride	0.0014	U	0.0014	0.00076	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1
Xylenes, Total	0.0028	U	0.0028	0.00024	mg/Kg	☼	10/23/24 14:21	10/25/24 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*10/23/24 14:21*	*10/25/24 10:12*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*10/23/24 14:21*	*10/25/24 10:12*	*1*
Dibromofluoromethane (Surr)	*91*		*50 - 150*	*10/23/24 14:21*	*10/25/24 10:12*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*10/23/24 14:21*	*10/25/24 10:12*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Acenaphthene	**0.017**	**J**	0.33	0.0095	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Acenaphthylene	**0.025**	**J**	0.33	0.0095	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Anthracene	**0.056**	**J**	0.33	0.010	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Benzo[a]anthracene	**0.30**		0.033	0.025	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Benzo[a]pyrene	**0.40**		0.033	0.0089	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Benzo[b]fluoranthene	**0.46**		0.033	0.0086	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Benzo[g,h,i]perylene	**0.32**	**J**	0.33	0.0098	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Benzo[k]fluoranthene	**0.18**		0.033	0.0065	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Chrysene	**0.35**		0.33	0.014	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Dibenz(a,h)anthracene	**0.066**		0.033	0.014	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Dibenzofuran	**0.011**	**J**	0.33	0.011	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Fluoranthene	**0.54**		0.33	0.012	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1

Client Sample ID: SB-5_(0-2)
Date Collected: 10/22/24 08:15
Date Received: 10/22/24 19:45

Lab Sample ID: 460-313980-3
Matrix: Solid
Percent Solids: 98.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**0.011**	**J**	0.33	0.0097	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Indeno[1,2,3-cd]pyrene	**0.29**		0.033	0.013	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Naphthalene	**0.022**	**J**	0.33	0.0058	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Phenanthrene	**0.26**	**J**	0.33	0.014	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1
Pyrene	**0.58**		0.33	0.0083	mg/Kg	☼	10/23/24 20:01	10/24/24 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*	*10/23/24 20:01*	*10/24/24 11:51*	*1*
2-Fluorobiphenyl	*87*		*38 - 128*	*10/23/24 20:01*	*10/24/24 11:51*	*1*
2-Fluorophenol (Surr)	*87*		*31 - 133*	*10/23/24 20:01*	*10/24/24 11:51*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*10/23/24 20:01*	*10/24/24 11:51*	*1*
Phenol-d5 (Surr)	*87*		*35 - 132*	*10/23/24 20:01*	*10/24/24 11:51*	*1*
Terphenyl-d14 (Surr)	*88*		*44 - 147*	*10/23/24 20:01*	*10/24/24 11:51*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*20 - 150*	*10/24/24 18:10*	*10/25/24 17:40*	*1*
DCB Decachlorobiphenyl	*44*		*20 - 150*	*10/24/24 18:10*	*10/25/24 17:40*	*1*
Tetrachloro-m-xylene	*50*		*20 - 150*	*10/24/24 18:10*	*10/25/24 17:40*	*1*
Tetrachloro-m-xylene	*45*		*20 - 150*	*10/24/24 18:10*	*10/25/24 17:40*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12.4**		0.94	0.096	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Barium	**118**		1.9	0.14	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Beryllium	**0.32**	**J**	0.37	0.053	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Cadmium	**0.23**	**J**	0.94	0.11	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Chromium	**15.7**		1.9	0.85	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Copper	**41.2**		1.9	0.34	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Lead	**504**		0.56	0.19	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Manganese	**230**		3.7	0.38	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Nickel	**25.2**		1.9	0.44	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Selenium	**0.60**	**J**	1.2	0.12	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Silver	**0.23**	**J**	0.37	0.083	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1
Zinc	**121**		7.5	2.9	mg/Kg	☼	10/25/24 07:26	10/26/24 00:34	1

Client Sample ID: SB-5_(0-2)
Lab Sample ID: 460-313980-3

Date Collected: 10/22/24 08:15
Matrix: Solid
Date Received: 10/22/24 19:45
Percent Solids: 98.9

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.2**		0.083	0.039	mg/Kg	☼	10/24/24 01:20	10/24/24 06:58	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.1**		1.0	1.0	%			10/23/24 19:49	1
Percent Solids (EPA Moisture)	**98.9**		1.0	1.0	%			10/23/24 19:49	1

Client Sample ID: SB-5_(13-15)
Lab Sample ID: 460-313980-4

Date Collected: 10/22/24 08:45
Matrix: Solid
Date Received: 10/22/24 19:45
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00035	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
1,2,4-Trimethylbenzene	**0.035**		0.0015	0.00037	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
1,3,5-Trimethylbenzene	**0.0070**		0.0015	0.00047	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00034	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
2-Butanone (MEK)	0.0075	U	0.0075	0.00055	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Acetone	**0.50**		0.0090	0.0086	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Benzene	**0.44**		0.0015	0.00039	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Carbon tetrachloride	0.0015	U	0.0015	0.00058	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00054	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Ethylbenzene	**0.087**		0.0015	0.00030	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00077	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
n-Butylbenzene	**0.13**		0.0015	0.00044	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
N-Propylbenzene	**0.60**		0.0015	0.00026	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
sec-Butylbenzene	**0.33**		0.0015	0.00043	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
tert-Butylbenzene	**0.039**		0.0015	0.00041	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Tetrachloroethene	0.0015	U	0.0015	0.00046	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Toluene	**0.049**		0.0015	0.00035	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00037	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Trichloroethene	0.0015	U	0.0015	0.00048	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Vinyl chloride	0.0015	U	0.0015	0.00082	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1
Xylenes, Total	**0.21**		0.0030	0.00026	mg/Kg	☼	10/23/24 14:22	10/25/24 10:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*377*	*	*65 - 138*	*10/23/24 14:22*	*10/25/24 10:34*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*10/23/24 14:22*	*10/25/24 10:34*	*1*
Dibromofluoromethane (Surr)	*65*		*50 - 150*	*10/23/24 14:22*	*10/25/24 10:34*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*10/23/24 14:22*	*10/25/24 10:34*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler

Job ID: 460-313980-1

Client Sample ID: SB-5_(13-15)
Date Collected: 10/22/24 08:45
Date Received: 10/22/24 19:45

Lab Sample ID: 460-313980-4
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Acenaphthene	**0.022**	**J**	0.35	0.010	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Anthracene	**0.043**	**J**	0.35	0.011	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Benzo[a]anthracene	**0.090**		0.035	0.026	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Benzo[a]pyrene	**0.083**		0.035	0.0094	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Benzo[b]fluoranthene	**0.088**		0.035	0.0091	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Benzo[g,h,i]perylene	**0.044**	**J**	0.35	0.010	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Benzo[k]fluoranthene	**0.041**		0.035	0.0069	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Chrysene	**0.093**	**J**	0.35	0.015	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Fluoranthene	**0.21**	**J**	0.35	0.012	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Fluorene	**0.022**	**J**	0.35	0.010	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Indeno[1,2,3-cd]pyrene	**0.046**		0.035	0.014	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Naphthalene	**0.034**	**J**	0.35	0.0061	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Phenanthrene	**0.17**	**J**	0.35	0.014	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1
Pyrene	**0.18**	**J**	0.35	0.0087	mg/Kg	☼	10/23/24 20:01	10/24/24 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*	*10/23/24 20:01*	*10/24/24 08:46*	*1*
2-Fluorobiphenyl	*86*		*38 - 128*	*10/23/24 20:01*	*10/24/24 08:46*	*1*
2-Fluorophenol (Surr)	*87*		*31 - 133*	*10/23/24 20:01*	*10/24/24 08:46*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*10/23/24 20:01*	*10/24/24 08:46*	*1*
Phenol-d5 (Surr)	*87*		*35 - 132*	*10/23/24 20:01*	*10/24/24 08:46*	*1*
Terphenyl-d14 (Surr)	*90*		*44 - 147*	*10/23/24 20:01*	*10/24/24 08:46*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.93	0.095	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Barium	**46.4**		1.9	0.13	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Beryllium	**0.23**	**J**	0.37	0.053	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Cadmium	0.93	U	0.93	0.10	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Chromium	**11.4**		1.9	0.84	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Copper	**12.8**		1.9	0.34	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Lead	**70.8**		0.56	0.19	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Manganese	**229**		3.7	0.37	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Nickel	**28.8**		1.9	0.43	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Selenium	**0.60**	**J**	1.2	0.12	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Silver	0.37	U	0.37	0.082	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1
Zinc	**62.3**		7.4	2.8	mg/Kg	☼	10/25/24 07:26	10/26/24 00:41	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.074**		0.017	0.0079	mg/Kg	☼	10/24/24 01:20	10/24/24 06:59	1

Client Sample ID: SB-5_(13-15)
Lab Sample ID: 460-313980-4
Date Collected: 10/22/24 08:45
Matrix: Solid
Date Received: 10/22/24 19:45
Percent Solids: 94.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.0**		1.0	1.0	%			10/23/24 19:53	1
Percent Solids (EPA Moisture)	**94.0**		1.0	1.0	%			10/23/24 19:53	1

Client Sample ID: SB-2_(9-11)
Lab Sample ID: 460-313980-5
Date Collected: 10/22/24 14:00
Matrix: Solid
Date Received: 10/22/24 19:45
Percent Solids: 99.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Acetone	**0.036**		0.0062	0.0059	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Benzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Ethylbenzene	0.0010	U	0.0010	0.00021	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	10/23/24 14:23	10/26/24 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*10/23/24 14:23*	*10/26/24 09:02*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*10/23/24 14:23*	*10/26/24 09:02*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*10/23/24 14:23*	*10/26/24 09:02*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*10/23/24 14:23*	*10/26/24 09:02*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1

Client Sample ID: SB-2_(9-11)
Date Collected: 10/22/24 14:00
Date Received: 10/22/24 19:45

Lab Sample ID: 460-313980-5
Matrix: Solid
Percent Solids: 99.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.33	U	0.33	0.0095	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Anthracene	0.33	U	0.33	0.010	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Benzo[a]pyrene	0.033	U	0.033	0.0089	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Chrysene	0.33	U	0.33	0.014	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1
Pyrene	**0.0098**	**J**	0.33	0.0083	mg/Kg	☼	10/23/24 20:01	10/24/24 09:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*	*10/23/24 20:01*	*10/24/24 09:09*	*1*
2-Fluorobiphenyl	*86*		*38 - 128*	*10/23/24 20:01*	*10/24/24 09:09*	*1*
2-Fluorophenol (Surr)	*87*		*31 - 133*	*10/23/24 20:01*	*10/24/24 09:09*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*10/23/24 20:01*	*10/24/24 09:09*	*1*
Phenol-d5 (Surr)	*87*		*35 - 132*	*10/23/24 20:01*	*10/24/24 09:09*	*1*
Terphenyl-d14 (Surr)	*93*		*44 - 147*	*10/23/24 20:01*	*10/24/24 09:09*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.8**		0.84	0.086	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Barium	**42.2**		1.7	0.12	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Beryllium	**0.27**	**J**	0.34	0.048	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Cadmium	0.84	U	0.84	0.095	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Chromium	**12.7**		1.7	0.76	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Copper	**22.2**		1.7	0.31	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Lead	**64.8**		0.50	0.17	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Manganese	**240**		3.4	0.34	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Nickel	**30.0**		1.7	0.39	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Selenium	**0.22**	**J**	1.0	0.11	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Silver	0.34	U	0.34	0.075	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1
Zinc	**41.5**		6.7	2.6	mg/Kg	☼	10/25/24 07:26	10/26/24 00:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.38**		0.016	0.0077	mg/Kg	☼	10/24/24 01:20	10/24/24 06:40	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313980-1
Project/Site: 264 Butler

Client Sample ID: SB-2_(9-11)
Lab Sample ID: 460-313980-5
Date Collected: 10/22/24 14:00
Matrix: Solid
Date Received: 10/22/24 19:45
Percent Solids: 99.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	1.0	U	1.0	1.0	%			10/23/24 19:53	1
Percent Solids (EPA Moisture)	**99.3**		1.0	1.0	%			10/23/24 19:53	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler

Job ID: 460-313980-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-313980-3	SB-5_(0-2)	90	106	91	97
460-313980-4	SB-5_(13-15)	377 *	101	65	96
460-313980-5	SB-2_(9-11)	98	107	100	98
LB3 460-1003054/1-A	Method Blank	95	106	92	100
LCS 460-1003178/3	Lab Control Sample	87	102	87	100
LCS 460-1003438/3	Lab Control Sample	94	108	96	104
LCS 460-1003619/3	Lab Control Sample	97	105	100	97
LCSD 460-1003178/4	Lab Control Sample Dup	86	101	86	99
LCSD 460-1003438/4	Lab Control Sample Dup	92	102	93	101
LCSD 460-1003619/4	Lab Control Sample Dup	99	103	101	97
MB 460-1003178/7	Method Blank	83	100	83	97
MB 460-1003438/7	Method Blank	90	104	91	99
MB 460-1003619/7	Method Blank	92	106	96	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-313980-1	TW-1_10222024	114	96	99	97
460-313980-2	TW-2_10222024	115	94	103	98
LCS 460-1003197/4	Lab Control Sample	110	94	97	97
LCSD 460-1003197/5	Lab Control Sample Dup	111	96	99	96
MB 460-1003197/9	Method Blank	114	93	102	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-313895-C-1-A MS	Matrix Spike	87	87	82	80	86	87
460-313895-C-1-B MSD	Matrix Spike Duplicate	0 *	0 *	0 *	0 *	0 *	0 *
460-313980-3	SB-5_(0-2)	82	87	87	83	87	88
460-313980-4	SB-5_(13-15)	87	86	87	83	87	90
460-313980-5	SB-2_(9-11)	85	86	87	83	87	93
LCS 460-1003128/2-A	Lab Control Sample	90	91	92	91	92	90
LCSD 460-1003128/3-A	Lab Control Sample Dup	88	87	88	84	90	86

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313980-1
Project/Site: 264 Butler

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
MB 460-1003128/1-A	Method Blank	87	88	91	89	92	89

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-159)
460-313980-1	TW-1_10222024	73	87	42	94	31	31
460-313980-2	TW-2_10222024	65	80	38	86	26	30
LCS 460-1003273/2-A	Lab Control Sample	93	76	47	82	35	83
LCSD 460-1003273/3-A	Lab Control Sample Dup	96	77	48	83	36	84
MB 460-1003273/1-A	Method Blank	47	79	33	81	24	46

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)
460-313962-A-1-B MS	Matrix Spike	48	52	56	61
460-313962-A-1-C MSD	Matrix Spike Duplicate	57	61	63	69
460-313980-3	SB-5_(0-2)	44	51	45	50
LCS 460-1003381/2-A	Lab Control Sample	75	79	106	114
LCSD 460-1003381/3-A	Lab Control Sample Dup	68	77	95	103
MB 460-1003381/1-A	Method Blank	62	70	90	98

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Lab Sample ID: LB3 460-1003054/1-A
Matrix: Solid
Analysis Batch: 1003178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003054

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		10/23/24 14:17	10/24/24 13:08	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg		10/23/24 14:17	10/24/24 13:08	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*10/23/24 14:17*	*10/24/24 13:08*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*10/23/24 14:17*	*10/24/24 13:08*	*1*
Dibromofluoromethane (Surr)	*92*		*50 - 150*	*10/23/24 14:17*	*10/24/24 13:08*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*10/23/24 14:17*	*10/24/24 13:08*	*1*

Lab Sample ID: MB 460-1003178/7
Matrix: Solid
Analysis Batch: 1003178

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	0.0010	U	0.0010	0.00023	mg/Kg			10/24/24 06:35	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			10/24/24 06:35	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			10/24/24 06:35	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			10/24/24 06:35	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			10/24/24 06:35	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			10/24/24 06:35	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			10/24/24 06:35	1

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

Lab Sample ID: MB 460-1003178/7
Matrix: Solid
Analysis Batch: 1003178

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			10/24/24 06:35	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			10/24/24 06:35	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			10/24/24 06:35	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			10/24/24 06:35	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			10/24/24 06:35	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			10/24/24 06:35	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/24/24 06:35	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			10/24/24 06:35	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			10/24/24 06:35	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			10/24/24 06:35	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			10/24/24 06:35	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			10/24/24 06:35	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/24/24 06:35	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/24/24 06:35	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/24/24 06:35	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			10/24/24 06:35	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			10/24/24 06:35	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			10/24/24 06:35	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			10/24/24 06:35	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			10/24/24 06:35	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			10/24/24 06:35	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			10/24/24 06:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*65 - 138*		*10/24/24 06:35*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*		*10/24/24 06:35*	*1*
Dibromofluoromethane (Surr)	*83*		*50 - 150*		*10/24/24 06:35*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*10/24/24 06:35*	*1*

Lab Sample ID: LCS 460-1003178/3
Matrix: Solid
Analysis Batch: 1003178

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	0.0200	0.0187		mg/Kg		94	78 - 120
1,1-Dichloroethane	0.0200	0.0189		mg/Kg		95	72 - 120
1,1-Dichloroethene	0.0200	0.0184		mg/Kg		92	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0219		mg/Kg		110	75 - 120
1,2-Dichlorobenzene	0.0200	0.0209		mg/Kg		105	80 - 120
1,2-Dichloroethane	0.0200	0.0185		mg/Kg		93	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0220		mg/Kg		110	70 - 120
1,3-Dichlorobenzene	0.0200	0.0218		mg/Kg		109	80 - 120
1,4-Dichlorobenzene	0.0200	0.0217		mg/Kg		108	80 - 120
2-Butanone (MEK)	0.100	0.104		mg/Kg		104	64 - 128
Acetone	0.100	0.0950		mg/Kg		95	58 - 122
Benzene	0.0200	0.0205		mg/Kg		103	75 - 120
Carbon tetrachloride	0.0200	0.0188		mg/Kg		94	66 - 127
Chlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120

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

Lab Sample ID: LCS 460-1003178/3
Matrix: Solid
Analysis Batch: 1003178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	0.0200	0.0180		mg/Kg		90	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0179		mg/Kg		90	80 - 123
Ethylbenzene	0.0200	0.0210		mg/Kg		105	80 - 120
Methyl tert-butyl ether	0.0200	0.0181		mg/Kg		90	74 - 125
Methylene Chloride	0.0200	0.0177		mg/Kg		89	78 - 120
m-Xylene & p-Xylene	0.0200	0.0210		mg/Kg		105	80 - 120
n-Butylbenzene	0.0200	0.0226		mg/Kg		113	72 - 120
N-Propylbenzene	0.0200	0.0225		mg/Kg		112	68 - 120
o-Xylene	0.0200	0.0212		mg/Kg		106	80 - 120
sec-Butylbenzene	0.0200	0.0225		mg/Kg		113	78 - 120
tert-Butylbenzene	0.0200	0.0221		mg/Kg		110	80 - 120
Tetrachloroethene	0.0200	0.0207		mg/Kg		103	73 - 120
Toluene	0.0200	0.0207		mg/Kg		104	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0181		mg/Kg		90	78 - 120
Trichloroethene	0.0200	0.0185		mg/Kg		92	80 - 120
Vinyl chloride	0.0200	0.0186		mg/Kg		93	54 - 122
Xylenes, Total	0.0400	0.0422		mg/Kg		105	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*
4-Bromofluorobenzene	*102*		*71 - 128*
Dibromofluoromethane (Surr)	*87*		*50 - 150*
Toluene-d8 (Surr)	*100*		*71 - 126*

Lab Sample ID: LCSD 460-1003178/4
Matrix: Solid
Analysis Batch: 1003178

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	0.0200	0.0180		mg/Kg		90	78 - 120	4	30
1,1-Dichloroethane	0.0200	0.0182		mg/Kg		91	72 - 120	4	30
1,1-Dichloroethene	0.0200	0.0178		mg/Kg		89	76 - 120	3	30
1,2,4-Trimethylbenzene	0.0200	0.0215		mg/Kg		107	75 - 120	2	30
1,2-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120	2	30
1,2-Dichloroethane	0.0200	0.0178		mg/Kg		89	70 - 123	4	30
1,3,5-Trimethylbenzene	0.0200	0.0212		mg/Kg		106	70 - 120	4	30
1,3-Dichlorobenzene	0.0200	0.0212		mg/Kg		106	80 - 120	3	30
1,4-Dichlorobenzene	0.0200	0.0210		mg/Kg		105	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0998		mg/Kg		100	64 - 128	4	30
Acetone	0.100	0.0940		mg/Kg		94	58 - 122	1	30
Benzene	0.0200	0.0198		mg/Kg		99	75 - 120	4	30
Carbon tetrachloride	0.0200	0.0182		mg/Kg		91	66 - 127	3	30
Chlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120	3	30
Chloroform	0.0200	0.0172		mg/Kg		86	79 - 126	4	30
cis-1,2-Dichloroethene	0.0200	0.0172		mg/Kg		86	80 - 123	4	30
Ethylbenzene	0.0200	0.0202		mg/Kg		101	80 - 120	4	30
Methyl tert-butyl ether	0.0200	0.0175		mg/Kg		88	74 - 125	3	30
Methylene Chloride	0.0200	0.0166		mg/Kg		83	78 - 120	6	30

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

Lab Sample ID: LCSD 460-1003178/4
Matrix: Solid
Analysis Batch: 1003178

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
m-Xylene & p-Xylene			0.0200	0.0201		mg/Kg		100	80 - 120	5	30
n-Butylbenzene			0.0200	0.0218		mg/Kg		109	72 - 120	4	30
N-Propylbenzene			0.0200	0.0221		mg/Kg		110	68 - 120	2	30
o-Xylene			0.0200	0.0203		mg/Kg		101	80 - 120	4	30
sec-Butylbenzene			0.0200	0.0219		mg/Kg		109	78 - 120	3	30
tert-Butylbenzene			0.0200	0.0213		mg/Kg		106	80 - 120	4	30
Tetrachloroethene			0.0200	0.0199		mg/Kg		100	73 - 120	4	30
Toluene			0.0200	0.0199		mg/Kg		100	80 - 120	4	30
trans-1,2-Dichloroethene			0.0200	0.0175		mg/Kg		88	78 - 120	3	30
Trichloroethene			0.0200	0.0176		mg/Kg		88	80 - 120	5	30
Vinyl chloride			0.0200	0.0179		mg/Kg		90	54 - 122	4	30
Xylenes, Total			0.0400	0.0404		mg/Kg		101	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*65 - 138*
4-Bromofluorobenzene	*101*		*71 - 128*
Dibromofluoromethane (Surr)	*86*		*50 - 150*
Toluene-d8 (Surr)	*99*		*71 - 126*

Lab Sample ID: MB 460-1003197/9
Matrix: Water
Analysis Batch: 1003197

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	0.24	ug/L			10/24/24 08:46	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			10/24/24 08:46	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			10/24/24 08:46	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			10/24/24 08:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			10/24/24 08:46	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			10/24/24 08:46	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			10/24/24 08:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			10/24/24 08:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			10/24/24 08:46	1
1,4-Dioxane	50	U	50	28	ug/L			10/24/24 08:46	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			10/24/24 08:46	1
Acetone	5.0	U	5.0	4.4	ug/L			10/24/24 08:46	1
Benzene	1.0	U	1.0	0.20	ug/L			10/24/24 08:46	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			10/24/24 08:46	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/24/24 08:46	1
Chloroform	1.0	U	1.0	0.33	ug/L			10/24/24 08:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			10/24/24 08:46	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			10/24/24 08:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			10/24/24 08:46	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			10/24/24 08:46	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			10/24/24 08:46	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			10/24/24 08:46	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			10/24/24 08:46	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			10/24/24 08:46	1

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

Lab Sample ID: MB 460-1003197/9
Matrix: Water
Analysis Batch: 1003197

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			10/24/24 08:46	1
Toluene	1.0	U	1.0	0.38	ug/L			10/24/24 08:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/24/24 08:46	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			10/24/24 08:46	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			10/24/24 08:46	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			10/24/24 08:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 128*		*10/24/24 08:46*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*10/24/24 08:46*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 132*		*10/24/24 08:46*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/24/24 08:46*	*1*

Lab Sample ID: LCS 460-1003197/4
Matrix: Water
Analysis Batch: 1003197

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	20.0	19.9		ug/L		100	72 - 128
1,1-Dichloroethane	20.0	19.1		ug/L		96	73 - 130
1,1-Dichloroethene	20.0	18.1		ug/L		91	68 - 133
1,2,4-Trimethylbenzene	20.0	20.7		ug/L		103	75 - 125
1,2-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 120
1,2-Dichloroethane	20.0	21.5		ug/L		108	66 - 129
1,3,5-Trimethylbenzene	20.0	20.8		ug/L		104	75 - 125
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
1,4-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120
1,4-Dioxane	400	391		ug/L		98	42 - 150
2-Butanone (MEK)	100	96.5		ug/L		96	65 - 142
Acetone	100	88.4		ug/L		88	60 - 133
Benzene	20.0	20.5		ug/L		103	71 - 126
Carbon tetrachloride	20.0	18.7		ug/L		94	65 - 131
Chlorobenzene	20.0	20.1		ug/L		101	80 - 120
Chloroform	20.0	19.6		ug/L		98	78 - 125
cis-1,2-Dichloroethene	20.0	18.9		ug/L		95	78 - 121
Ethylbenzene	20.0	19.1		ug/L		95	78 - 120
Methyl tert-butyl ether	20.0	20.2		ug/L		101	72 - 131
Methylene Chloride	20.0	18.7		ug/L		93	74 - 127
m-Xylene & p-Xylene	20.0	19.9		ug/L		99	78 - 120
n-Butylbenzene	20.0	20.6		ug/L		103	69 - 135
N-Propylbenzene	20.0	20.4		ug/L		102	68 - 129
o-Xylene	20.0	19.6		ug/L		98	78 - 120
sec-Butylbenzene	20.0	20.8		ug/L		104	77 - 129
tert-Butylbenzene	20.0	19.9		ug/L		99	78 - 120
Tetrachloroethene	20.0	17.8		ug/L		89	70 - 127
Toluene	20.0	18.7		ug/L		94	78 - 120
trans-1,2-Dichloroethene	20.0	18.3		ug/L		91	70 - 126
Trichloroethene	20.0	18.3		ug/L		92	73 - 121

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

Lab Sample ID: LCS 460-1003197/4
Matrix: Water
Analysis Batch: 1003197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vinyl chloride			20.0	20.6		ug/L		103	55 - 144		
Xylenes, Total			40.0	39.4		ug/L		99	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 128*
4-Bromofluorobenzene	*94*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 132*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 460-1003197/5
Matrix: Water
Analysis Batch: 1003197

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			20.0	18.1		ug/L		91	72 - 128	9	30
1,1-Dichloroethane			20.0	17.0		ug/L		85	73 - 130	12	30
1,1-Dichloroethene			20.0	16.3		ug/L		82	68 - 133	11	30
1,2,4-Trimethylbenzene			20.0	18.9		ug/L		94	75 - 125	9	30
1,2-Dichlorobenzene			20.0	19.2		ug/L		96	80 - 120	8	30
1,2-Dichloroethane			20.0	20.6		ug/L		103	66 - 129	4	30
1,3,5-Trimethylbenzene			20.0	19.0		ug/L		95	75 - 125	9	30
1,3-Dichlorobenzene			20.0	18.5		ug/L		93	80 - 120	8	30
1,4-Dichlorobenzene			20.0	18.2		ug/L		91	80 - 120	10	30
1,4-Dioxane			400	322		ug/L		81	42 - 150	19	30
2-Butanone (MEK)			100	83.4		ug/L		83	65 - 142	14	30
Acetone			100	78.7		ug/L		79	60 - 133	12	30
Benzene			20.0	18.3		ug/L		91	71 - 126	12	30
Carbon tetrachloride			20.0	17.7		ug/L		88	65 - 131	6	30
Chlorobenzene			20.0	18.3		ug/L		91	80 - 120	10	30
Chloroform			20.0	18.1		ug/L		90	78 - 125	8	30
cis-1,2-Dichloroethene			20.0	17.7		ug/L		89	78 - 121	7	30
Ethylbenzene			20.0	17.4		ug/L		87	78 - 120	9	30
Methyl tert-butyl ether			20.0	19.1		ug/L		95	72 - 131	6	30
Methylene Chloride			20.0	17.1		ug/L		86	74 - 127	9	30
m-Xylene & p-Xylene			20.0	18.1		ug/L		91	78 - 120	9	30
n-Butylbenzene			20.0	18.6		ug/L		93	69 - 135	10	30
N-Propylbenzene			20.0	18.8		ug/L		94	68 - 129	8	30
o-Xylene			20.0	17.6		ug/L		88	78 - 120	11	30
sec-Butylbenzene			20.0	19.1		ug/L		95	77 - 129	8	30
tert-Butylbenzene			20.0	18.6		ug/L		93	78 - 120	7	30
Tetrachloroethene			20.0	16.3		ug/L		81	70 - 127	9	30
Toluene			20.0	17.2		ug/L		86	78 - 120	9	30
trans-1,2-Dichloroethene			20.0	16.8		ug/L		84	70 - 126	8	30
Trichloroethene			20.0	17.4		ug/L		87	73 - 121	5	30
Vinyl chloride			20.0	18.0		ug/L		90	55 - 144	13	30
Xylenes, Total			40.0	35.7		ug/L		89	80 - 120	10	30

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

Lab Sample ID: LCSD 460-1003197/5
Matrix: Water
Analysis Batch: 1003197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 128*
4-Bromofluorobenzene	*96*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 132*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 460-1003438/7
Matrix: Solid
Analysis Batch: 1003438

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	0.0010	U	0.0010	0.00023	mg/Kg			10/25/24 06:38	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			10/25/24 06:38	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			10/25/24 06:38	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			10/25/24 06:38	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			10/25/24 06:38	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			10/25/24 06:38	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			10/25/24 06:38	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			10/25/24 06:38	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			10/25/24 06:38	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			10/25/24 06:38	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			10/25/24 06:38	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			10/25/24 06:38	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			10/25/24 06:38	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/25/24 06:38	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			10/25/24 06:38	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			10/25/24 06:38	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			10/25/24 06:38	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			10/25/24 06:38	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			10/25/24 06:38	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/25/24 06:38	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/25/24 06:38	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/25/24 06:38	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			10/25/24 06:38	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			10/25/24 06:38	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			10/25/24 06:38	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			10/25/24 06:38	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			10/25/24 06:38	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			10/25/24 06:38	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			10/25/24 06:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*		*10/25/24 06:38*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*		*10/25/24 06:38*	*1*
Dibromofluoromethane (Surr)	*91*		*50 - 150*		*10/25/24 06:38*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*10/25/24 06:38*	*1*

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

Lab Sample ID: LCS 460-1003438/3
Matrix: Solid
Analysis Batch: 1003438

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	0.0200	0.0215		mg/Kg		108	78 - 120
1,1-Dichloroethane	0.0200	0.0211		mg/Kg		106	72 - 120
1,1-Dichloroethene	0.0200	0.0208		mg/Kg		104	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0228		mg/Kg		114	75 - 120
1,2-Dichlorobenzene	0.0200	0.0216		mg/Kg		108	80 - 120
1,2-Dichloroethane	0.0200	0.0206		mg/Kg		103	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0238		mg/Kg		119	70 - 120
1,3-Dichlorobenzene	0.0200	0.0227		mg/Kg		114	80 - 120
1,4-Dichlorobenzene	0.0200	0.0223		mg/Kg		111	80 - 120
2-Butanone (MEK)	0.100	0.115		mg/Kg		115	64 - 128
Acetone	0.100	0.103		mg/Kg		103	58 - 122
Benzene	0.0200	0.0213		mg/Kg		106	75 - 120
Carbon tetrachloride	0.0200	0.0212		mg/Kg		106	66 - 127
Chlorobenzene	0.0200	0.0214		mg/Kg		107	80 - 120
Chloroform	0.0200	0.0204		mg/Kg		102	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0204		mg/Kg		102	80 - 123
Ethylbenzene	0.0200	0.0222		mg/Kg		111	80 - 120
Methyl tert-butyl ether	0.0200	0.0200		mg/Kg		100	74 - 125
Methylene Chloride	0.0200	0.0194		mg/Kg		97	78 - 120
m-Xylene & p-Xylene	0.0200	0.0217		mg/Kg		108	80 - 120
n-Butylbenzene	0.0200	0.0238		mg/Kg		119	72 - 120
N-Propylbenzene	0.0200	0.0236		mg/Kg		118	68 - 120
o-Xylene	0.0200	0.0218		mg/Kg		109	80 - 120
sec-Butylbenzene	0.0200	0.0238		mg/Kg		119	78 - 120
tert-Butylbenzene	0.0200	0.0234		mg/Kg		117	80 - 120
Tetrachloroethene	0.0200	0.0216		mg/Kg		108	73 - 120
Toluene	0.0200	0.0214		mg/Kg		107	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	78 - 120
Trichloroethene	0.0200	0.0211		mg/Kg		105	80 - 120
Vinyl chloride	0.0200	0.0213		mg/Kg		106	54 - 122
Xylenes, Total	0.0400	0.0435		mg/Kg		109	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*
4-Bromofluorobenzene	*108*		*71 - 128*
Dibromofluoromethane (Surr)	*96*		*50 - 150*
Toluene-d8 (Surr)	*104*		*71 - 126*

Lab Sample ID: LCSD 460-1003438/4
Matrix: Solid
Analysis Batch: 1003438

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	0.0200	0.0210		mg/Kg		105	78 - 120	2	30
1,1-Dichloroethane	0.0200	0.0212		mg/Kg		106	72 - 120	0	30
1,1-Dichloroethene	0.0200	0.0201		mg/Kg		101	76 - 120	3	30
1,2,4-Trimethylbenzene	0.0200	0.0220		mg/Kg		110	75 - 120	3	30
1,2-Dichlorobenzene	0.0200	0.0212		mg/Kg		106	80 - 120	2	30

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

Lab Sample ID: LCSD 460-1003438/4
Matrix: Solid
Analysis Batch: 1003438

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
1,2-Dichloroethane	0.0200	0.0203		mg/Kg		101	70 - 123	2	30
1,3,5-Trimethylbenzene	0.0200	0.0229		mg/Kg		114	70 - 120	4	30
1,3-Dichlorobenzene	0.0200	0.0219		mg/Kg		109	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0214		mg/Kg		107	80 - 120	4	30
2-Butanone (MEK)	0.100	0.114		mg/Kg		114	64 - 128	1	30
Acetone	0.100	0.105		mg/Kg		105	58 - 122	1	30
Benzene	0.0200	0.0208		mg/Kg		104	75 - 120	2	30
Carbon tetrachloride	0.0200	0.0210		mg/Kg		105	66 - 127	0	30
Chlorobenzene	0.0200	0.0209		mg/Kg		105	80 - 120	2	30
Chloroform	0.0200	0.0200		mg/Kg		100	79 - 126	2	30
cis-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	80 - 123	2	30
Ethylbenzene	0.0200	0.0218		mg/Kg		109	80 - 120	2	30
Methyl tert-butyl ether	0.0200	0.0196		mg/Kg		98	74 - 125	2	30
Methylene Chloride	0.0200	0.0194		mg/Kg		97	78 - 120	0	30
m-Xylene & p-Xylene	0.0200	0.0214		mg/Kg		107	80 - 120	1	30
n-Butylbenzene	0.0200	0.0231		mg/Kg		116	72 - 120	3	30
N-Propylbenzene	0.0200	0.0228		mg/Kg		114	68 - 120	4	30
o-Xylene	0.0200	0.0212		mg/Kg		106	80 - 120	3	30
sec-Butylbenzene	0.0200	0.0228		mg/Kg		114	78 - 120	4	30
tert-Butylbenzene	0.0200	0.0227		mg/Kg		114	80 - 120	3	30
Tetrachloroethene	0.0200	0.0210		mg/Kg		105	73 - 120	3	30
Toluene	0.0200	0.0209		mg/Kg		105	80 - 120	2	30
trans-1,2-Dichloroethene	0.0200	0.0203		mg/Kg		102	78 - 120	1	30
Trichloroethene	0.0200	0.0207		mg/Kg		104	80 - 120	2	30
Vinyl chloride	0.0200	0.0202		mg/Kg		101	54 - 122	5	30
Xylenes, Total	0.0400	0.0427		mg/Kg		107	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*102*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*101*		*71 - 126*

Lab Sample ID: MB 460-1003619/7
Matrix: Solid
Analysis Batch: 1003619

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	0.0010	U	0.0010	0.00023	mg/Kg			10/26/24 07:31	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			10/26/24 07:31	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			10/26/24 07:31	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			10/26/24 07:31	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			10/26/24 07:31	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			10/26/24 07:31	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			10/26/24 07:31	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			10/26/24 07:31	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			10/26/24 07:31	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			10/26/24 07:31	1

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

Lab Sample ID: MB 460-1003619/7
Matrix: Solid
Analysis Batch: 1003619

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			10/26/24 07:31	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			10/26/24 07:31	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			10/26/24 07:31	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/26/24 07:31	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			10/26/24 07:31	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			10/26/24 07:31	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			10/26/24 07:31	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			10/26/24 07:31	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			10/26/24 07:31	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/26/24 07:31	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/26/24 07:31	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/26/24 07:31	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			10/26/24 07:31	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			10/26/24 07:31	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			10/26/24 07:31	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			10/26/24 07:31	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			10/26/24 07:31	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			10/26/24 07:31	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			10/26/24 07:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*		*10/26/24 07:31*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*		*10/26/24 07:31*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*		*10/26/24 07:31*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*10/26/24 07:31*	*1*

Lab Sample ID: LCS 460-1003619/3
Matrix: Solid
Analysis Batch: 1003619

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	0.0200	0.0219		mg/Kg		110	78 - 120
1,1-Dichloroethane	0.0200	0.0219		mg/Kg		109	72 - 120
1,1-Dichloroethene	0.0200	0.0212		mg/Kg		106	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0207		mg/Kg		103	75 - 120
1,2-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120
1,2-Dichloroethane	0.0200	0.0217		mg/Kg		109	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0205		mg/Kg		103	70 - 120
1,3-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120
1,4-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.101		mg/Kg		101	64 - 128
Acetone	0.100	0.0932		mg/Kg		93	58 - 122
Benzene	0.0200	0.0196		mg/Kg		98	75 - 120
Carbon tetrachloride	0.0200	0.0219		mg/Kg		110	66 - 127
Chlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
Chloroform	0.0200	0.0211		mg/Kg		105	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0211		mg/Kg		106	80 - 123
Ethylbenzene	0.0200	0.0201		mg/Kg		101	80 - 120

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

Lab Sample ID: LCS 460-1003619/3
Matrix: Solid
Analysis Batch: 1003619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	0.0200	0.0216		mg/Kg		108	74 - 125
Methylene Chloride	0.0200	0.0203		mg/Kg		101	78 - 120
m-Xylene & p-Xylene	0.0200	0.0202		mg/Kg		101	80 - 120
n-Butylbenzene	0.0200	0.0211		mg/Kg		106	72 - 120
N-Propylbenzene	0.0200	0.0209		mg/Kg		105	68 - 120
o-Xylene	0.0200	0.0205		mg/Kg		102	80 - 120
sec-Butylbenzene	0.0200	0.0210		mg/Kg		105	78 - 120
tert-Butylbenzene	0.0200	0.0208		mg/Kg		104	80 - 120
Tetrachloroethene	0.0200	0.0201		mg/Kg		101	73 - 120
Toluene	0.0200	0.0199		mg/Kg		99	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	78 - 120
Trichloroethene	0.0200	0.0215		mg/Kg		108	80 - 120
Vinyl chloride	0.0200	0.0186		mg/Kg		93	54 - 122
Xylenes, Total	0.0400	0.0407		mg/Kg		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*
4-Bromofluorobenzene	*105*		*71 - 128*
Dibromofluoromethane (Surr)	*100*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Lab Sample ID: LCSD 460-1003619/4
Matrix: Solid
Analysis Batch: 1003619

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	0.0200	0.0219		mg/Kg		109	78 - 120	0	30
1,1-Dichloroethane	0.0200	0.0222		mg/Kg		111	72 - 120	1	30
1,1-Dichloroethene	0.0200	0.0215		mg/Kg		107	76 - 120	1	30
1,2,4-Trimethylbenzene	0.0200	0.0205		mg/Kg		102	75 - 120	1	30
1,2-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	1	30
1,2-Dichloroethane	0.0200	0.0218		mg/Kg		109	70 - 123	0	30
1,3,5-Trimethylbenzene	0.0200	0.0204		mg/Kg		102	70 - 120	1	30
1,3-Dichlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120	0	30
1,4-Dichlorobenzene	0.0200	0.0203		mg/Kg		101	80 - 120	1	30
2-Butanone (MEK)	0.100	0.0918		mg/Kg		92	64 - 128	9	30
Acetone	0.100	0.0924		mg/Kg		92	58 - 122	1	30
Benzene	0.0200	0.0195		mg/Kg		98	75 - 120	0	30
Carbon tetrachloride	0.0200	0.0220		mg/Kg		110	66 - 127	0	30
Chlorobenzene	0.0200	0.0199		mg/Kg		100	80 - 120	0	30
Chloroform	0.0200	0.0211		mg/Kg		106	79 - 126	0	30
cis-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	80 - 123	1	30
Ethylbenzene	0.0200	0.0207		mg/Kg		103	80 - 120	3	30
Methyl tert-butyl ether	0.0200	0.0212		mg/Kg		106	74 - 125	2	30
Methylene Chloride	0.0200	0.0202		mg/Kg		101	78 - 120	0	30
m-Xylene & p-Xylene	0.0200	0.0199		mg/Kg		100	80 - 120	1	30
n-Butylbenzene	0.0200	0.0211		mg/Kg		105	72 - 120	0	30
N-Propylbenzene	0.0200	0.0207		mg/Kg		104	68 - 120	1	30

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

Lab Sample ID: LCSD 460-1003619/4
Matrix: Solid
Analysis Batch: 1003619

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
o-Xylene			0.0200	0.0204		mg/Kg		102	80 - 120	1	30
sec-Butylbenzene			0.0200	0.0213		mg/Kg		106	78 - 120	1	30
tert-Butylbenzene			0.0200	0.0205		mg/Kg		103	80 - 120	1	30
Tetrachloroethene			0.0200	0.0199		mg/Kg		99	73 - 120	1	30
Toluene			0.0200	0.0196		mg/Kg		98	80 - 120	1	30
trans-1,2-Dichloroethene			0.0200	0.0211		mg/Kg		106	78 - 120	1	30
Trichloroethene			0.0200	0.0214		mg/Kg		107	80 - 120	1	30
Vinyl chloride			0.0200	0.0194		mg/Kg		97	54 - 122	4	30
Xylenes, Total			0.0400	0.0403		mg/Kg		101	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*
4-Bromofluorobenzene	*103*		*71 - 128*
Dibromofluoromethane (Surr)	*101*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1003128/1-A
Matrix: Solid
Analysis Batch: 1003184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Phenol	0.33	U	0.33	0.012	mg/Kg		10/23/24 20:01	10/24/24 05:39	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		10/23/24 20:01	10/24/24 05:39	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1003128/1-A
Matrix: Solid
Analysis Batch: 1003184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003128

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		24 - 137	10/23/24 20:01	10/24/24 05:39	1
2-Fluorobiphenyl	88		38 - 128	10/23/24 20:01	10/24/24 05:39	1
2-Fluorophenol (Surr)	91		31 - 133	10/23/24 20:01	10/24/24 05:39	1
Nitrobenzene-d5 (Surr)	89		31 - 120	10/23/24 20:01	10/24/24 05:39	1
Phenol-d5 (Surr)	92		35 - 132	10/23/24 20:01	10/24/24 05:39	1
Terphenyl-d14 (Surr)	89		44 - 147	10/23/24 20:01	10/24/24 05:39	1

Lab Sample ID: LCS 460-1003128/2-A
Matrix: Solid
Analysis Batch: 1003184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	3.33	2.58		mg/Kg		77	27 - 120
2-Methylphenol	3.33	3.12		mg/Kg		94	63 - 120
3 & 4 Methylphenol	3.33	3.12		mg/Kg		93	61 - 120
Acenaphthene	3.33	3.22		mg/Kg		96	65 - 120
Acenaphthylene	3.33	3.41		mg/Kg		102	64 - 120
Anthracene	3.33	3.24		mg/Kg		97	67 - 120
Benzo[a]anthracene	3.33	3.19		mg/Kg		96	66 - 120
Benzo[a]pyrene	3.33	3.37		mg/Kg		101	73 - 123
Benzo[b]fluoranthene	3.33	3.30		mg/Kg		99	70 - 125
Benzo[g,h,i]perylene	3.33	3.58		mg/Kg		107	66 - 120
Benzo[k]fluoranthene	3.33	3.27		mg/Kg		98	67 - 122
Chrysene	3.33	3.16		mg/Kg		95	67 - 120
Dibenz(a,h)anthracene	3.33	3.35		mg/Kg		100	66 - 128
Dibenzofuran	3.33	3.09		mg/Kg		93	61 - 120
Fluoranthene	3.33	3.25		mg/Kg		97	61 - 120
Fluorene	3.33	3.19		mg/Kg		96	64 - 120
Hexachlorobenzene	3.33	3.24		mg/Kg		97	66 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.55		mg/Kg		107	71 - 137
Naphthalene	3.33	3.06		mg/Kg		92	63 - 120
Pentachlorophenol	6.67	6.47		mg/Kg		97	61 - 126
Phenanthrene	3.33	3.19		mg/Kg		96	66 - 120
Phenol	3.33	3.14		mg/Kg		94	63 - 120
Pyrene	3.33	3.21		mg/Kg		96	61 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	90		24 - 137
2-Fluorobiphenyl	91		38 - 128
2-Fluorophenol (Surr)	92		31 - 133
Nitrobenzene-d5 (Surr)	91		31 - 120
Phenol-d5 (Surr)	92		35 - 132
Terphenyl-d14 (Surr)	90		44 - 147

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1003128/3-A
Matrix: Solid
Analysis Batch: 1003184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003128

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			3.33	2.42		mg/Kg		73	27 - 120	6	30
2-Methylphenol			3.33	2.99		mg/Kg		90	63 - 120	4	30
3 & 4 Methylphenol			3.33	2.94		mg/Kg		88	61 - 120	6	30
Acenaphthene			3.33	3.02		mg/Kg		91	65 - 120	6	30
Acenaphthylene			3.33	3.25		mg/Kg		98	64 - 120	5	30
Anthracene			3.33	3.07		mg/Kg		92	67 - 120	6	30
Benzo[a]anthracene			3.33	3.02		mg/Kg		90	66 - 120	5	30
Benzo[a]pyrene			3.33	3.18		mg/Kg		96	73 - 123	6	30
Benzo[b]fluoranthene			3.33	3.08		mg/Kg		92	70 - 125	7	30
Benzo[g,h,i]perylene			3.33	3.34		mg/Kg		100	66 - 120	7	30
Benzo[k]fluoranthene			3.33	3.11		mg/Kg		93	67 - 122	5	30
Chrysene			3.33	2.97		mg/Kg		89	67 - 120	6	30
Dibenz(a,h)anthracene			3.33	3.15		mg/Kg		94	66 - 128	6	30
Dibenzofuran			3.33	2.93		mg/Kg		88	61 - 120	5	30
Fluoranthene			3.33	3.09		mg/Kg		93	61 - 120	5	30
Fluorene			3.33	3.05		mg/Kg		91	64 - 120	4	30
Hexachlorobenzene			3.33	3.06		mg/Kg		92	66 - 120	6	30
Indeno[1,2,3-cd]pyrene			3.33	3.25		mg/Kg		97	71 - 137	9	30
Naphthalene			3.33	2.94		mg/Kg		88	63 - 120	4	30
Pentachlorophenol			6.67	6.15		mg/Kg		92	61 - 126	5	30
Phenanthrene			3.33	2.99		mg/Kg		90	66 - 120	6	30
Phenol			3.33	3.01		mg/Kg		90	63 - 120	5	30
Pyrene			3.33	3.04		mg/Kg		91	61 - 121	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*24 - 137*
2-Fluorobiphenyl	*87*		*38 - 128*
2-Fluorophenol (Surr)	*88*		*31 - 133*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*
Phenol-d5 (Surr)	*90*		*35 - 132*
Terphenyl-d14 (Surr)	*86*		*44 - 147*

Lab Sample ID: 460-313895-C-1-A MS
Matrix: Solid
Analysis Batch: 1003184

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.034	U	3.43	2.15		mg/Kg	☼	63	27 - 120
2-Methylphenol	0.34	U	3.43	3.02		mg/Kg	☼	88	63 - 120
3 & 4 Methylphenol	0.34	U	3.43	2.96		mg/Kg	☼	86	61 - 120
Acenaphthene	0.34	U	3.43	3.08		mg/Kg	☼	90	65 - 120
Acenaphthylene	0.34	U	3.43	3.34		mg/Kg	☼	97	64 - 120
Anthracene	0.34	U	3.43	3.20		mg/Kg	☼	93	67 - 120
Benzo[a]anthracene	0.034	U	3.43	3.16		mg/Kg	☼	92	66 - 120
Benzo[a]pyrene	0.034	U	3.43	3.35		mg/Kg	☼	97	73 - 123
Benzo[b]fluoranthene	0.034	U	3.43	3.26		mg/Kg	☼	95	70 - 125
Benzo[g,h,i]perylene	0.34	U	3.43	3.62		mg/Kg	☼	105	66 - 120
Benzo[k]fluoranthene	0.034	U	3.43	3.31		mg/Kg	☼	96	67 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-313895-C-1-A MS
Matrix: Solid
Analysis Batch: 1003184

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	0.34	U	3.43	3.14		mg/Kg	☼	91	67 - 120
Dibenz(a,h)anthracene	0.034	U	3.43	3.37		mg/Kg	☼	98	66 - 128
Dibenzofuran	0.34	U	3.43	3.02		mg/Kg	☼	88	61 - 120
Fluoranthene	0.34	U	3.43	3.20		mg/Kg	☼	93	61 - 120
Fluorene	0.34	U	3.43	3.12		mg/Kg	☼	91	64 - 120
Hexachlorobenzene	0.034	U	3.43	3.22		mg/Kg	☼	94	66 - 120
Indeno[1,2,3-cd]pyrene	0.034	U	3.43	3.43		mg/Kg	☼	100	71 - 137
Naphthalene	0.34	U	3.43	2.95		mg/Kg	☼	86	63 - 120
Pentachlorophenol	0.27	U	6.87	6.35		mg/Kg	☼	92	61 - 126
Phenanthrene	0.34	U	3.43	3.15		mg/Kg	☼	92	66 - 120
Phenol	0.34	U	3.43	2.98		mg/Kg	☼	87	63 - 120
Pyrene	0.34	U	3.43	3.15		mg/Kg	☼	92	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*
2-Fluorobiphenyl	*87*		*38 - 128*
2-Fluorophenol (Surr)	*82*		*31 - 133*
Nitrobenzene-d5 (Surr)	*80*		*31 - 120*
Phenol-d5 (Surr)	*86*		*35 - 132*
Terphenyl-d14 (Surr)	*87*		*44 - 147*

Lab Sample ID: 460-313895-C-1-B MSD
Matrix: Solid
Analysis Batch: 1003184

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.034	U	3.44	2.41		mg/Kg	☼	70	27 - 120	11	30
2-Methylphenol	0.34	U	3.44	3.20		mg/Kg	☼	93	63 - 120	6	30
3 & 4 Methylphenol	0.34	U	3.44	3.12		mg/Kg	☼	91	61 - 120	5	30
Acenaphthene	0.34	U	3.44	3.27		mg/Kg	☼	95	65 - 120	6	30
Acenaphthylene	0.34	U	3.44	3.52		mg/Kg	☼	102	64 - 120	5	30
Anthracene	0.34	U	3.44	3.34		mg/Kg	☼	97	67 - 120	4	30
Benzo[a]anthracene	0.034	U	3.44	3.24		mg/Kg	☼	94	66 - 120	3	30
Benzo[a]pyrene	0.034	U	3.44	3.47		mg/Kg	☼	101	73 - 123	4	30
Benzo[b]fluoranthene	0.034	U	3.44	3.38		mg/Kg	☼	98	70 - 125	3	30
Benzo[g,h,i]perylene	0.34	U	3.44	3.79		mg/Kg	☼	110	66 - 120	5	30
Benzo[k]fluoranthene	0.034	U	3.44	3.40		mg/Kg	☼	99	67 - 122	3	30
Chrysene	0.34	U	3.44	3.24		mg/Kg	☼	94	67 - 120	3	30
Dibenz(a,h)anthracene	0.034	U	3.44	3.51		mg/Kg	☼	102	66 - 128	4	30
Dibenzofuran	0.34	U	3.44	3.16		mg/Kg	☼	92	61 - 120	5	30
Fluoranthene	0.34	U	3.44	3.19		mg/Kg	☼	93	61 - 120	0	30
Fluorene	0.34	U	3.44	3.22		mg/Kg	☼	94	64 - 120	3	30
Hexachlorobenzene	0.034	U	3.44	3.35		mg/Kg	☼	97	66 - 120	4	30
Indeno[1,2,3-cd]pyrene	0.034	U	3.44	3.66		mg/Kg	☼	106	71 - 137	6	30
Naphthalene	0.34	U	3.44	3.12		mg/Kg	☼	91	63 - 120	6	30
Pentachlorophenol	0.27	U	6.87	6.46		mg/Kg	☼	94	61 - 126	2	30
Phenanthrene	0.34	U	3.44	3.29		mg/Kg	☼	96	66 - 120	4	30
Phenol	0.34	U	3.44	3.14		mg/Kg	☼	91	63 - 120	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-313895-C-1-B MSD
Matrix: Solid
Analysis Batch: 1003184

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	0.34	U	3.44	3.29		mg/Kg	☼	96	61 - 121	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*0*	*	*24 - 137*
2-Fluorobiphenyl	*0*	*	*38 - 128*
2-Fluorophenol (Surr)	*0*	*	*31 - 133*
Nitrobenzene-d5 (Surr)	*0*	*	*31 - 120*
Phenol-d5 (Surr)	*0*	*	*35 - 132*
Terphenyl-d14 (Surr)	*0*	*	*44 - 147*

Lab Sample ID: MB 460-1003273/1-A
Matrix: Water
Analysis Batch: 1003389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		10/24/24 10:58	10/24/24 20:58	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		10/24/24 10:58	10/24/24 20:58	1
Acenaphthene	10	U	10	1.1	ug/L		10/24/24 10:58	10/24/24 20:58	1
Acenaphthylene	10	U	10	0.82	ug/L		10/24/24 10:58	10/24/24 20:58	1
Anthracene	10	U	10	1.3	ug/L		10/24/24 10:58	10/24/24 20:58	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		10/24/24 10:58	10/24/24 20:58	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		10/24/24 10:58	10/24/24 20:58	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		10/24/24 10:58	10/24/24 20:58	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		10/24/24 10:58	10/24/24 20:58	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		10/24/24 10:58	10/24/24 20:58	1
Chrysene	2.0	U	2.0	0.91	ug/L		10/24/24 10:58	10/24/24 20:58	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		10/24/24 10:58	10/24/24 20:58	1
Dibenzofuran	10	U	10	1.1	ug/L		10/24/24 10:58	10/24/24 20:58	1
Fluoranthene	10	U	10	0.84	ug/L		10/24/24 10:58	10/24/24 20:58	1
Fluorene	10	U	10	0.91	ug/L		10/24/24 10:58	10/24/24 20:58	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		10/24/24 10:58	10/24/24 20:58	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		10/24/24 10:58	10/24/24 20:58	1
Naphthalene	2.0	U	2.0	0.54	ug/L		10/24/24 10:58	10/24/24 20:58	1
Pentachlorophenol	20	U	20	1.4	ug/L		10/24/24 10:58	10/24/24 20:58	1
Phenanthrene	10	U	10	1.3	ug/L		10/24/24 10:58	10/24/24 20:58	1
Phenol	10	U	10	0.29	ug/L		10/24/24 10:58	10/24/24 20:58	1
Pyrene	10	U	10	1.6	ug/L		10/24/24 10:58	10/24/24 20:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*37 - 150*	*10/24/24 10:58*	*10/24/24 20:58*	*1*
2-Fluorobiphenyl	*79*		*46 - 139*	*10/24/24 10:58*	*10/24/24 20:58*	*1*
2-Fluorophenol (Surr)	*33*		*16 - 80*	*10/24/24 10:58*	*10/24/24 20:58*	*1*
Nitrobenzene-d5 (Surr)	*81*		*51 - 145*	*10/24/24 10:58*	*10/24/24 20:58*	*1*
Phenol-d5 (Surr)	*24*		*10 - 56*	*10/24/24 10:58*	*10/24/24 20:58*	*1*
Terphenyl-d14 (Surr)	*46*		*13 - 159*	*10/24/24 10:58*	*10/24/24 20:58*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1003273/2-A
Matrix: Water
Analysis Batch: 1003389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003273

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylphenol			80.0	55.9		ug/L		70	35 - 120		
3 & 4 Methylphenol			80.0	54.7		ug/L		68	27 - 120		
Acenaphthene			80.0	74.9		ug/L		94	62 - 127		
Acenaphthylene			80.0	76.8		ug/L		96	58 - 122		
Anthracene			80.0	79.1		ug/L		99	67 - 127		
Benzo[a]anthracene			80.0	81.1		ug/L		101	71 - 131		
Benzo[a]pyrene			80.0	87.2		ug/L		109	75 - 148		
Benzo[b]fluoranthene			80.0	84.4		ug/L		105	70 - 140		
Benzo[g,h,i]perylene			80.0	86.3		ug/L		108	52 - 143		
Benzo[k]fluoranthene			80.0	83.3		ug/L		104	71 - 140		
Chrysene			80.0	77.4		ug/L		97	70 - 132		
Dibenz(a,h)anthracene			80.0	83.0		ug/L		104	53 - 150		
Dibenzofuran			80.0	73.8		ug/L		92	64 - 125		
Fluoranthene			80.0	86.6		ug/L		108	69 - 137		
Fluorene			80.0	79.6		ug/L		100	67 - 125		
Hexachlorobenzene			80.0	77.4		ug/L		97	62 - 135		
Indeno[1,2,3-cd]pyrene			80.0	82.2		ug/L		103	59 - 150		
Naphthalene			80.0	50.9		ug/L		64	39 - 126		
Pentachlorophenol			160	158		ug/L		99	60 - 140		
Phenanthrene			80.0	78.0		ug/L		98	68 - 126		
Phenol			80.0	28.3		ug/L		35	10 - 80		
Pyrene			80.0	75.4		ug/L		94	60 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*37 - 150*
2-Fluorobiphenyl	*76*		*46 - 139*
2-Fluorophenol (Surr)	*47*		*16 - 80*
Nitrobenzene-d5 (Surr)	*82*		*51 - 145*
Phenol-d5 (Surr)	*35*		*10 - 56*
Terphenyl-d14 (Surr)	*83*		*13 - 159*

Lab Sample ID: LCSD 460-1003273/3-A
Matrix: Water
Analysis Batch: 1003389

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003273

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol			80.0	57.7		ug/L		72	35 - 120	3	30
3 & 4 Methylphenol			80.0	56.7		ug/L		71	27 - 120	4	30
Acenaphthene			80.0	74.4		ug/L		93	62 - 127	1	30
Acenaphthylene			80.0	77.6		ug/L		97	58 - 122	1	30
Anthracene			80.0	79.3		ug/L		99	67 - 127	0	30
Benzo[a]anthracene			80.0	81.2		ug/L		101	71 - 131	0	30
Benzo[a]pyrene			80.0	88.6		ug/L		111	75 - 148	2	30
Benzo[b]fluoranthene			80.0	84.4		ug/L		105	70 - 140	0	30
Benzo[g,h,i]perylene			80.0	88.7		ug/L		111	52 - 143	3	30
Benzo[k]fluoranthene			80.0	83.2		ug/L		104	71 - 140	0	30
Chrysene			80.0	76.8		ug/L		96	70 - 132	1	30
Dibenz(a,h)anthracene			80.0	83.7		ug/L		105	53 - 150	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1003273/3-A
Matrix: Water
Analysis Batch: 1003389

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003273

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran			80.0	74.9		ug/L		94	64 - 125	1	30
Fluoranthene			80.0	88.2		ug/L		110	69 - 137	2	30
Fluorene			80.0	81.4		ug/L		102	67 - 125	2	30
Hexachlorobenzene			80.0	76.2		ug/L		95	62 - 135	2	30
Indeno[1,2,3-cd]pyrene			80.0	85.8		ug/L		107	59 - 150	4	30
Naphthalene			80.0	51.1		ug/L		64	39 - 126	0	30
Pentachlorophenol			160	160		ug/L		100	60 - 140	1	30
Phenanthrene			80.0	78.0		ug/L		97	68 - 126	0	30
Phenol			80.0	29.2		ug/L		37	10 - 80	3	30
Pyrene			80.0	76.8		ug/L		96	60 - 137	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*37 - 150*
2-Fluorobiphenyl	*77*		*46 - 139*
2-Fluorophenol (Surr)	*48*		*16 - 80*
Nitrobenzene-d5 (Surr)	*83*		*51 - 145*
Phenol-d5 (Surr)	*36*		*10 - 56*
Terphenyl-d14 (Surr)	*84*		*13 - 159*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1003381/1-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1003381/1-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003381

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		20 - 150	10/24/24 18:10	10/25/24 09:25	1
DCB Decachlorobiphenyl	62		20 - 150	10/24/24 18:10	10/25/24 09:25	1
Tetrachloro-m-xylene	98		20 - 150	10/24/24 18:10	10/25/24 09:25	1
Tetrachloro-m-xylene	90		20 - 150	10/24/24 18:10	10/25/24 09:25	1

Lab Sample ID: LCS 460-1003381/2-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003381

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.441		mg/Kg		132	54 - 136		
Aroclor 1016			0.333	0.418		mg/Kg		126	54 - 136		
Aroclor 1260			0.333	0.440		mg/Kg		132	53 - 145		
Aroclor 1260			0.333	0.430		mg/Kg		129	53 - 145		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	79		20 - 150
DCB Decachlorobiphenyl	75		20 - 150
Tetrachloro-m-xylene	114		20 - 150
Tetrachloro-m-xylene	106		20 - 150

Lab Sample ID: LCSD 460-1003381/3-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003381

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.352		mg/Kg		106	54 - 136	23	30
Aroclor 1016			0.333	0.333		mg/Kg		100	54 - 136	23	30
Aroclor 1260			0.333	0.344		mg/Kg		103	53 - 145	25	30
Aroclor 1260			0.333	0.335		mg/Kg		101	53 - 145	25	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	77		20 - 150
DCB Decachlorobiphenyl	68		20 - 150
Tetrachloro-m-xylene	103		20 - 150
Tetrachloro-m-xylene	95		20 - 150

Lab Sample ID: 460-313962-A-1-B MS
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003381

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.067	U	0.334	0.331		mg/Kg	☼	99	54 - 136		
Aroclor 1016	0.067	U	0.334	0.317		mg/Kg	☼	95	54 - 136		
Aroclor 1260	0.067	U	0.334	0.318		mg/Kg	☼	95	53 - 145		
Aroclor 1260	0.067	U	0.334	0.319		mg/Kg	☼	95	53 - 145		

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-313962-A-1-B MS
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003381

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	52		20 - 150
DCB Decachlorobiphenyl	48		20 - 150
Tetrachloro-m-xylene	61		20 - 150
Tetrachloro-m-xylene	56		20 - 150

Lab Sample ID: 460-313962-A-1-C MSD
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003381

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.067	U	0.334	0.320		mg/Kg	☼	96	54 - 136	3	30
Aroclor 1016	0.067	U	0.334	0.304		mg/Kg	☼	91	54 - 136	4	30
Aroclor 1260	0.067	U	0.334	0.322		mg/Kg	☼	96	53 - 145	1	30
Aroclor 1260	0.067	U	0.334	0.308		mg/Kg	☼	92	53 - 145	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	61		20 - 150
DCB Decachlorobiphenyl	57		20 - 150
Tetrachloro-m-xylene	69		20 - 150
Tetrachloro-m-xylene	63		20 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1003468/1-A
Matrix: Solid
Analysis Batch: 1003528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	U	1.0	0.10	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Barium	2.0	U	2.0	0.15	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Chromium	2.0	U	2.0	0.91	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Copper	2.0	U	2.0	0.37	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Lead	0.60	U	0.60	0.20	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Manganese	4.0	U	4.0	0.40	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Nickel	2.0	U	2.0	0.47	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Selenium	1.3	U	1.3	0.13	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Silver	0.40	U	0.40	0.089	mg/Kg		10/25/24 07:26	10/26/24 00:11	1
Zinc	8.0	U	8.0	3.1	mg/Kg		10/25/24 07:26	10/26/24 00:11	1

Lab Sample ID: LCSSRM 460-1003468/2-A ^3
Matrix: Solid
Analysis Batch: 1003528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003468

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			242	217.2		mg/Kg		89.7	81.8 - 118.6		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1003468/2-A ^3
Matrix: Solid
Analysis Batch: 1003528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003468

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Barium	295	275.8		mg/Kg		93.5	81.7 - 118.3
Beryllium	160	151.6		mg/Kg		94.8	82.5 - 117.5
Cadmium	84.3	79.92		mg/Kg		94.8	82.2 - 117.8
Chromium	213	191.9		mg/Kg		90.1	81.2 - 119.2
Copper	195	180.7		mg/Kg		92.7	83.1 - 116.9
Lead	194	183.0		mg/Kg		94.3	82.0 - 118.6
Manganese	264	236.2		mg/Kg		89.5	80.7 - 118.9
Nickel	298	275.3		mg/Kg		92.4	82.2 - 117.8
Selenium	272	242.5		mg/Kg		89.1	80.1 - 119.5
Silver	76.7	72.17		mg/Kg		94.1	79.5 - 120.5
Zinc	236	214.3		mg/Kg		90.8	80.1 - 120.3

Lab Sample ID: 460-314002-A-3-E MS
Matrix: Solid
Analysis Batch: 1003528

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003468

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.51	J	10.4	7.71	N	mg/Kg	☼	69	75 - 125
Barium	2.1		10.4	12.61		mg/Kg	☼	101	75 - 125
Beryllium	0.42	U	5.19	4.49		mg/Kg	☼	87	75 - 125
Cadmium	1.0	U	5.19	4.45		mg/Kg	☼	86	75 - 125
Chromium	4.7		10.4	13.73		mg/Kg	☼	87	75 - 125
Copper	1.2	J	10.4	10.01		mg/Kg	☼	85	75 - 125
Lead	2.2		5.19	8.10		mg/Kg	☼	113	75 - 125
Manganese	6.3		51.9	49.78		mg/Kg	☼	84	75 - 125
Nickel	0.96	J	10.4	10.01		mg/Kg	☼	87	75 - 125
Selenium	1.3	U	10.4	6.97	N	mg/Kg	☼	67	75 - 125
Silver	0.42	U	5.19	4.47		mg/Kg	☼	86	75 - 125
Zinc	3.9	J	51.9	45.88		mg/Kg	☼	81	75 - 125

Lab Sample ID: 460-314002-A-3-D DU
Matrix: Solid
Analysis Batch: 1003528

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1003468

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.51	J	0.568	J	mg/Kg	☼	11	20
Barium	2.1		2.65		mg/Kg	☼	25	20
Beryllium	0.42	U	0.42	U	mg/Kg	☼	NC	20
Cadmium	1.0	U	1.0	U	mg/Kg	☼	NC	20
Chromium	4.7		5.17		mg/Kg	☼	10	20
Copper	1.2	J	1.29	J	mg/Kg	☼	5	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-314002-A-3-D DU
Matrix: Solid
Analysis Batch: 1003528

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1003468

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	2.2		2.67		mg/Kg	☼	18	20
Manganese	6.3		8.22		mg/Kg	☼	27	20
Nickel	0.96	J	0.902	J	mg/Kg	☼	6	20
Selenium	1.3	U	1.3	U	mg/Kg	☼	NC	20
Silver	0.42	U	0.42	U	mg/Kg	☼	NC	20
Zinc	3.9	J	8.3	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-1003606/1-A
Matrix: Water
Analysis Batch: 1003688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003606

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		10/25/24 18:50	10/26/24 15:21	1
Barium	4.0	U	4.0	0.91	ug/L		10/25/24 18:50	10/26/24 15:21	1
Beryllium	0.80	U	0.80	0.13	ug/L		10/25/24 18:50	10/26/24 15:21	1
Cadmium	2.0	U	2.0	0.39	ug/L		10/25/24 18:50	10/26/24 15:21	1
Chromium	4.0	U	4.0	2.5	ug/L		10/25/24 18:50	10/26/24 15:21	1
Copper	4.0	U	4.0	2.5	ug/L		10/25/24 18:50	10/26/24 15:21	1
Lead	1.2	U	1.2	0.84	ug/L		10/25/24 18:50	10/26/24 15:21	1
Manganese	8.0	U	8.0	1.5	ug/L		10/25/24 18:50	10/26/24 15:21	1
Nickel	4.0	U	4.0	0.91	ug/L		10/25/24 18:50	10/26/24 15:21	1
Selenium	2.5	U	2.5	0.59	ug/L		10/25/24 18:50	10/26/24 15:21	1
Silver	2.0	U	2.0	0.29	ug/L		10/25/24 18:50	10/26/24 15:21	1
Zinc	16.0	U	16.0	6.5	ug/L		10/25/24 18:50	10/26/24 15:21	1

Lab Sample ID: LCS 460-1003606/2-A
Matrix: Water
Analysis Batch: 1003688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	44.60		ug/L		89	80 - 120
Barium	50.0	45.79		ug/L		92	80 - 120
Beryllium	25.0	23.82		ug/L		95	80 - 120
Cadmium	25.0	23.78		ug/L		95	80 - 120
Chromium	50.0	48.77		ug/L		98	80 - 120
Copper	50.0	49.85		ug/L		100	80 - 120
Lead	25.0	24.11		ug/L		96	80 - 120
Manganese	250	241.2		ug/L		96	80 - 120
Nickel	50.0	48.59		ug/L		97	80 - 120
Selenium	50.0	48.51		ug/L		97	80 - 120
Silver	25.0	23.97		ug/L		96	80 - 120
Zinc	250	244.4		ug/L		98	80 - 120

Lab Sample ID: 460-313794-I-7-C MS
Matrix: Water
Analysis Batch: 1003688

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.0	U	50.0	50.02		ug/L		100	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-313794-I-7-C MS
Matrix: Water
Analysis Batch: 1003688

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	40.9		50.0	91.10		ug/L		100	75 - 125
Beryllium	0.80	U	25.0	28.27		ug/L		113	75 - 125
Cadmium	2.0	U	25.0	26.49		ug/L		106	75 - 125
Chromium	4.0	U	50.0	51.97		ug/L		104	75 - 125
Copper	4.0	U	50.0	52.11		ug/L		104	75 - 125
Lead	1.2	U	25.0	26.00		ug/L		104	75 - 125
Manganese	263		250	515.9		ug/L		101	75 - 125
Nickel	2.9	J	50.0	53.55		ug/L		101	75 - 125
Selenium	2.5		50.0	53.19		ug/L		101	75 - 125
Silver	2.0	U	25.0	25.56		ug/L		102	75 - 125
Zinc	16.0	U	250	255.3		ug/L		102	75 - 125

Lab Sample ID: 460-313794-I-7-D MSD
Matrix: Water
Analysis Batch: 1003688

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003606

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.0	U	50.0	52.60		ug/L		105	75 - 125	5	20
Barium	40.9		50.0	91.80		ug/L		102	75 - 125	1	20
Beryllium	0.80	U	25.0	25.40		ug/L		102	75 - 125	11	20
Cadmium	2.0	U	25.0	26.64		ug/L		107	75 - 125	1	20
Chromium	4.0	U	50.0	53.51		ug/L		107	75 - 125	3	20
Copper	4.0	U	50.0	54.43		ug/L		109	75 - 125	4	20
Lead	1.2	U	25.0	26.57		ug/L		106	75 - 125	2	20
Manganese	263		250	533.8		ug/L		108	75 - 125	3	20
Nickel	2.9	J	50.0	54.62		ug/L		103	75 - 125	2	20
Selenium	2.5		50.0	52.88		ug/L		101	75 - 125	1	20
Silver	2.0	U	25.0	26.40		ug/L		106	75 - 125	3	20
Zinc	16.0	U	250	263.6		ug/L		105	75 - 125	3	20

Lab Sample ID: 460-313794-I-7-B DU
Matrix: Water
Analysis Batch: 1003688

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1003606

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	2.0	U	2.0	U	ug/L		NC	20
Barium	40.9		40.49		ug/L		0.9	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Manganese	263		267.3		ug/L		1	20
Nickel	2.9	J	3.48	J	ug/L		19	20
Selenium	2.5		2.48	J	ug/L		1	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Zinc	16.0	U	16.0	U	ug/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-1003980/12-A
Matrix: Water
Analysis Batch: 1004036

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 1003980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2655		ug/L		106	80 - 120
Antimony	25.0	25.24		ug/L		101	80 - 120
Arsenic	50.0	53.21		ug/L		106	80 - 120
Barium	50.0	53.89		ug/L		108	80 - 120
Beryllium	25.0	26.31		ug/L		105	80 - 120
Cadmium	25.0	26.40		ug/L		106	80 - 120
Calcium	2500	2728		ug/L		109	80 - 120
Chromium	50.0	51.08		ug/L		102	80 - 120
Cobalt	25.0	25.91		ug/L		104	80 - 120
Copper	50.0	52.51		ug/L		105	80 - 120
Iron	2500	2669		ug/L		107	80 - 120
Lead	25.0	25.68		ug/L		103	80 - 120
Magnesium	2500	2609		ug/L		104	80 - 120
Manganese	250	257.5		ug/L		103	80 - 120
Nickel	50.0	51.31		ug/L		103	80 - 120
Potassium	2500	2681		ug/L		107	80 - 120
Selenium	50.0	50.90		ug/L		102	80 - 120
Silver	25.0	25.91		ug/L		104	80 - 120
Sodium	2500	2578		ug/L		103	80 - 120
Thallium	20.0	20.14		ug/L		101	80 - 120
Vanadium	50.0	51.50		ug/L		103	80 - 120
Zinc	250	255.5		ug/L		102	80 - 120

Lab Sample ID: MB 460-1003979/1-B
Matrix: Water
Analysis Batch: 1004036

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 1003980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		10/29/24 00:38	10/29/24 01:23	1
Antimony	2.0	U	2.0	0.48	ug/L		10/29/24 00:38	10/29/24 01:23	1
Arsenic	2.0	U	2.0	1.2	ug/L		10/29/24 00:38	10/29/24 01:23	1
Barium	4.0	U	4.0	0.93	ug/L		10/29/24 00:38	10/29/24 01:23	1
Beryllium	0.80	U	0.80	0.12	ug/L		10/29/24 00:38	10/29/24 01:23	1
Cadmium	2.0	U	2.0	0.38	ug/L		10/29/24 00:38	10/29/24 01:23	1
Calcium	500	U	500	31.7	ug/L		10/29/24 00:38	10/29/24 01:23	1
Chromium	4.0	U	4.0	1.7	ug/L		10/29/24 00:38	10/29/24 01:23	1
Cobalt	4.0	U	4.0	0.41	ug/L		10/29/24 00:38	10/29/24 01:23	1
Copper	4.0	U	4.0	2.0	ug/L		10/29/24 00:38	10/29/24 01:23	1
Iron	120	U	120	33.7	ug/L		10/29/24 00:38	10/29/24 01:23	1
Lead	1.2	U	1.2	0.42	ug/L		10/29/24 00:38	10/29/24 01:23	1
Magnesium	200	U	200	21.8	ug/L		10/29/24 00:38	10/29/24 01:23	1
Manganese	8.0	U	8.0	0.84	ug/L		10/29/24 00:38	10/29/24 01:23	1
Nickel	4.0	U	4.0	1.4	ug/L		10/29/24 00:38	10/29/24 01:23	1
Potassium	200	U	200	83.3	ug/L		10/29/24 00:38	10/29/24 01:23	1
Selenium	2.5	U	2.5	0.43	ug/L		10/29/24 00:38	10/29/24 01:23	1
Silver	2.0	U	2.0	1.3	ug/L		10/29/24 00:38	10/29/24 01:23	1
Sodium	500	U	500	180	ug/L		10/29/24 00:38	10/29/24 01:23	1
Thallium	0.80	U	0.80	0.19	ug/L		10/29/24 00:38	10/29/24 01:23	1
Vanadium	4.0	U	4.0	1.0	ug/L		10/29/24 00:38	10/29/24 01:23	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1003979/1-B
Matrix: Water
Analysis Batch: 1004036

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 1003980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	16.0	U	16.0	4.2	ug/L		10/29/24 00:38	10/29/24 01:23	1

Lab Sample ID: 460-314220-B-1-C MS
Matrix: Water
Analysis Batch: 1004036

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 1003980

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	40.0	U	2500	2573		ug/L		103	75 - 125
Antimony	2.0	U	25.0	17.45	N	ug/L		70	75 - 125
Arsenic	2.7		50.0	56.04		ug/L		107	75 - 125
Barium	4770		50.0	4783	4	ug/L		22	75 - 125
Beryllium	0.80	U	25.0	23.21		ug/L		93	75 - 125
Cadmium	2.0	U	25.0	25.10		ug/L		100	75 - 125
Calcium	156000		2500	154900	4	ug/L		-30	75 - 125
Chromium	4.0	U	50.0	49.50		ug/L		99	75 - 125
Cobalt	4.0	U	25.0	24.88		ug/L		100	75 - 125
Copper	4.0	U	50.0	50.32		ug/L		101	75 - 125
Iron	3470		2500	5918		ug/L		98	75 - 125
Lead	1.2	U	25.0	25.35		ug/L		101	75 - 125
Magnesium	105000		2500	107500	4	ug/L		113	75 - 125
Manganese	1190		250	1454	4	ug/L		105	75 - 125
Nickel	4.0	U	50.0	50.01		ug/L		100	75 - 125
Potassium	34200		2500	37380	4	ug/L		128	75 - 125
Selenium	0.55	J	50.0	52.29		ug/L		103	75 - 125
Silver	2.0	U	25.0	24.48		ug/L		98	75 - 125
Sodium	373000		2500	381800	4	ug/L		362	75 - 125
Thallium	0.80	U	20.0	19.65		ug/L		98	75 - 125
Vanadium	4.0	U	50.0	52.05		ug/L		104	75 - 125
Zinc	16.0	U	250	250.8		ug/L		100	75 - 125

Lab Sample ID: 460-314220-B-1-B DU
Matrix: Water
Analysis Batch: 1004036

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 1003980

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	40.0	U	40.0	U	ug/L		NC	20
Antimony	2.0	U	2.0	U	ug/L		NC	20
Arsenic	2.7		2.86		ug/L		6	20
Barium	4770		4768		ug/L		0.08	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	156000		152200		ug/L		2	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	4.0	U	4.0	U	ug/L		NC	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Iron	3470		3400		ug/L		2	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Magnesium	105000		105100		ug/L		0.5	20
Manganese	1190		1193		ug/L		0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-314220-B-1-B DU
Matrix: Water
Analysis Batch: 1004036

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 1003980

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nickel	4.0	U	4.0	U	ug/L		NC	20
Potassium	34200		34250		ug/L		0.2	20
Selenium	0.55	J	0.501	J	ug/L		10	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	373000		377100		ug/L		1	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.0	U	4.0	U	ug/L		NC	20
Zinc	16.0	U	16.0	U	ug/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-1003538/1-A
Matrix: Water
Analysis Batch: 1003584

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		10/25/24 11:47	10/25/24 14:13	1

Lab Sample ID: LCS 460-1003538/2-A
Matrix: Water
Analysis Batch: 1003584

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.07		ug/L		107	80 - 120

Lab Sample ID: 460-313981-D-1-C MS
Matrix: Water
Analysis Batch: 1003584

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.03		ug/L		103	75 - 125

Lab Sample ID: 460-313981-D-1-D MSD
Matrix: Water
Analysis Batch: 1003584

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.00		ug/L		100	75 - 125	2	20

Lab Sample ID: 460-313981-D-1-B DU
Matrix: Water
Analysis Batch: 1003584

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1003538

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 460-1003934/3-A
Matrix: Water
Analysis Batch: 1003949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.939		ug/L		94	80 - 120

Lab Sample ID: MB 460-1003927/1-B
Matrix: Water
Analysis Batch: 1003949

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 1003934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		10/28/24 15:09	10/28/24 15:51	1

Lab Sample ID: 460-313980-2 MS
Matrix: Water
Analysis Batch: 1003949

Client Sample ID: TW-2_10222024
Prep Type: Dissolved
Prep Batch: 1003934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.02		ug/L		102	75 - 125

Lab Sample ID: 460-313980-2 DU
Matrix: Water
Analysis Batch: 1003949

Client Sample ID: TW-2_10222024
Prep Type: Dissolved
Prep Batch: 1003934

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1003160/1-A
Matrix: Solid
Analysis Batch: 1003207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		10/24/24 01:20	10/24/24 05:53	1

Lab Sample ID: LCSSRM 460-1003160/2-A ^40
Matrix: Solid
Analysis Batch: 1003207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003160

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	25.20		mg/Kg		110.5	70.6 - 129.4

Lab Sample ID: 460-314002-A-1-C MS
Matrix: Solid
Analysis Batch: 1003207

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.017	U	0.0834	0.105	N	mg/Kg	☼	126	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-314002-A-1-B DU
Matrix: Solid
Analysis Batch: 1003207

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1003160

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.017	U		0.00842	J	mg/Kg	☼			NC	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-313887-A-6 DU
Matrix: Solid
Analysis Batch: 1003079

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.1			5.8		%				14	20
Percent Solids	94.9			94.2		%				0.8	20

Lab Sample ID: 460-313887-A-7 DU
Matrix: Solid
Analysis Batch: 1003079

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	16.2			18.0		%				11	20
Percent Solids	83.8			82.0		%				2	20

GC/MS VOA

Prep Batch: 1003054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	5035	
460-313980-4	SB-5_(13-15)	Total/NA	Solid	5035	
460-313980-5	SB-2_(9-11)	Total/NA	Solid	5035	
LB3 460-1003054/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1003178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-1003054/1-A	Method Blank	Total/NA	Solid	8260D	1003054
MB 460-1003178/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1003178/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1003178/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1003197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Total/NA	Water	8260D	
460-313980-2	TW-2_10222024	Total/NA	Water	8260D	
MB 460-1003197/9	Method Blank	Total/NA	Water	8260D	
LCS 460-1003197/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1003197/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 1003438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	8260D	1003054
460-313980-4	SB-5_(13-15)	Total/NA	Solid	8260D	1003054
MB 460-1003438/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1003438/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1003438/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1003619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-5	SB-2_(9-11)	Total/NA	Solid	8260D	1003054
MB 460-1003619/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1003619/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1003619/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1003128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	3546	
460-313980-4	SB-5_(13-15)	Total/NA	Solid	3546	
460-313980-5	SB-2_(9-11)	Total/NA	Solid	3546	
MB 460-1003128/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1003128/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1003128/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-313895-C-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-313895-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1003184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	8270E	1003128

GC/MS Semi VOA (Continued)

Analysis Batch: 1003184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-4	SB-5_(13-15)	Total/NA	Solid	8270E	1003128
460-313980-5	SB-2_(9-11)	Total/NA	Solid	8270E	1003128
MB 460-1003128/1-A	Method Blank	Total/NA	Solid	8270E	1003128
LCS 460-1003128/2-A	Lab Control Sample	Total/NA	Solid	8270E	1003128
LCSD 460-1003128/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1003128
460-313895-C-1-A MS	Matrix Spike	Total/NA	Solid	8270E	1003128
460-313895-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1003128

Prep Batch: 1003273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Total/NA	Water	3510C	
460-313980-2	TW-2_10222024	Total/NA	Water	3510C	
MB 460-1003273/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1003273/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1003273/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1003389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Total/NA	Water	8270E	1003273
460-313980-2	TW-2_10222024	Total/NA	Water	8270E	1003273
MB 460-1003273/1-A	Method Blank	Total/NA	Water	8270E	1003273
LCS 460-1003273/2-A	Lab Control Sample	Total/NA	Water	8270E	1003273
LCSD 460-1003273/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	1003273

GC Semi VOA

Prep Batch: 1003381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	3546	
MB 460-1003381/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1003381/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1003381/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-313962-A-1-B MS	Matrix Spike	Total/NA	Solid	3546	
460-313962-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1003434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	8082A	1003381
MB 460-1003381/1-A	Method Blank	Total/NA	Solid	8082A	1003381
LCS 460-1003381/2-A	Lab Control Sample	Total/NA	Solid	8082A	1003381
LCSD 460-1003381/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1003381
460-313962-A-1-B MS	Matrix Spike	Total/NA	Solid	8082A	1003381
460-313962-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1003381

Metals

Prep Batch: 1003160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	7471B	
460-313980-4	SB-5_(13-15)	Total/NA	Solid	7471B	
460-313980-5	SB-2_(9-11)	Total/NA	Solid	7471B	
MB 460-1003160/1-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 1003160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-1003160/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-314002-A-1-C MS	Matrix Spike	Total/NA	Solid	7471B	
460-314002-A-1-B DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1003207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	7471B	1003160
460-313980-4	SB-5_(13-15)	Total/NA	Solid	7471B	1003160
460-313980-5	SB-2_(9-11)	Total/NA	Solid	7471B	1003160
MB 460-1003160/1-A	Method Blank	Total/NA	Solid	7471B	1003160
LCSSRM 460-1003160/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1003160
460-314002-A-1-C MS	Matrix Spike	Total/NA	Solid	7471B	1003160
460-314002-A-1-B DU	Duplicate	Total/NA	Solid	7471B	1003160

Prep Batch: 1003468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	3050B	
460-313980-4	SB-5_(13-15)	Total/NA	Solid	3050B	
460-313980-5	SB-2_(9-11)	Total/NA	Solid	3050B	
MB 460-1003468/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1003468/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-314002-A-3-E MS	Matrix Spike	Total/NA	Solid	3050B	
460-314002-A-3-D DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 1003528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	6020B	1003468
460-313980-4	SB-5_(13-15)	Total/NA	Solid	6020B	1003468
460-313980-5	SB-2_(9-11)	Total/NA	Solid	6020B	1003468
MB 460-1003468/1-A	Method Blank	Total/NA	Solid	6020B	1003468
LCSSRM 460-1003468/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1003468
460-314002-A-3-E MS	Matrix Spike	Total/NA	Solid	6020B	1003468
460-314002-A-3-D DU	Duplicate	Total/NA	Solid	6020B	1003468

Prep Batch: 1003538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Total/NA	Water	7470A	
460-313980-2	TW-2_10222024	Total/NA	Water	7470A	
MB 460-1003538/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-1003538/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-313981-D-1-C MS	Matrix Spike	Total/NA	Water	7470A	
460-313981-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
460-313981-D-1-B DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 1003584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Total/NA	Water	7470A	1003538
460-313980-2	TW-2_10222024	Total/NA	Water	7470A	1003538
MB 460-1003538/1-A	Method Blank	Total/NA	Water	7470A	1003538
LCS 460-1003538/2-A	Lab Control Sample	Total/NA	Water	7470A	1003538
460-313981-D-1-C MS	Matrix Spike	Total/NA	Water	7470A	1003538

Metals (Continued)

Analysis Batch: 1003584 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313981-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	1003538
460-313981-D-1-B DU	Duplicate	Total/NA	Water	7470A	1003538

Prep Batch: 1003606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Total/NA	Water	3010A	
460-313980-2	TW-2_10222024	Total/NA	Water	3010A	
MB 460-1003606/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-1003606/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-313794-I-7-C MS	Matrix Spike	Total/NA	Water	3010A	
460-313794-I-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
460-313794-I-7-B DU	Duplicate	Total/NA	Water	3010A	

Analysis Batch: 1003688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Total/NA	Water	6020B	1003606
460-313980-2	TW-2_10222024	Total/NA	Water	6020B	1003606
MB 460-1003606/1-A	Method Blank	Total/NA	Water	6020B	1003606
LCS 460-1003606/2-A	Lab Control Sample	Total/NA	Water	6020B	1003606
460-313794-I-7-C MS	Matrix Spike	Total/NA	Water	6020B	1003606
460-313794-I-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	1003606
460-313794-I-7-B DU	Duplicate	Total/NA	Water	6020B	1003606

Filtration Batch: 1003927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Dissolved	Water	FILTRATION	
460-313980-2	TW-2_10222024	Dissolved	Water	FILTRATION	
MB 460-1003927/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-313980-2 MS	TW-2_10222024	Dissolved	Water	FILTRATION	
460-313980-2 DU	TW-2_10222024	Dissolved	Water	FILTRATION	

Prep Batch: 1003934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Dissolved	Water	7470A	1003927
460-313980-2	TW-2_10222024	Dissolved	Water	7470A	1003927
MB 460-1003927/1-B	Method Blank	Dissolved	Water	7470A	1003927
LCS 460-1003934/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-313980-2 MS	TW-2_10222024	Dissolved	Water	7470A	1003927
460-313980-2 DU	TW-2_10222024	Dissolved	Water	7470A	1003927

Analysis Batch: 1003949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Dissolved	Water	7470A	1003934
460-313980-2	TW-2_10222024	Dissolved	Water	7470A	1003934
MB 460-1003927/1-B	Method Blank	Dissolved	Water	7470A	1003934
LCS 460-1003934/3-A	Lab Control Sample	Total/NA	Water	7470A	1003934
460-313980-2 MS	TW-2_10222024	Dissolved	Water	7470A	1003934
460-313980-2 DU	TW-2_10222024	Dissolved	Water	7470A	1003934

Metals

Filtration Batch: 1003979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Dissolved	Water	FILTRATION	
460-313980-2	TW-2_10222024	Dissolved	Water	FILTRATION	
MB 460-1003979/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 1003980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Dissolved	Water	3005A	1003979
460-313980-2	TW-2_10222024	Dissolved	Water	3005A	1003979
MB 460-1003979/1-B	Method Blank	Dissolved	Water	3005A	1003979
LCS 460-1003980/12-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-314220-B-1-C MS	Matrix Spike	Dissolved	Water	3005A	
460-314220-B-1-B DU	Duplicate	Dissolved	Water	3005A	

Analysis Batch: 1004036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-1	TW-1_10222024	Dissolved	Water	6020B	1003980
460-313980-2	TW-2_10222024	Dissolved	Water	6020B	1003980
MB 460-1003979/1-B	Method Blank	Dissolved	Water	6020B	1003980
LCS 460-1003980/12-A	Lab Control Sample	Total Recoverable	Water	6020B	1003980
460-314220-B-1-C MS	Matrix Spike	Dissolved	Water	6020B	1003980
460-314220-B-1-B DU	Duplicate	Dissolved	Water	6020B	1003980

General Chemistry

Analysis Batch: 1003079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-313980-3	SB-5_(0-2)	Total/NA	Solid	Moisture	
460-313980-4	SB-5_(13-15)	Total/NA	Solid	Moisture	
460-313980-5	SB-2_(9-11)	Total/NA	Solid	Moisture	
460-313895-A-1 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-313895-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-313887-A-6 DU	Duplicate	Total/NA	Solid	Moisture	
460-313887-A-7 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler

Job ID: 460-313980-1

Client Sample ID: TW-1_10222024

Lab Sample ID: 460-313980-1

Date Collected: 10/22/24 09:15

Matrix: Water

Date Received: 10/22/24 19:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1003197	SZD	EET EDI	10/24/24 15:57
Total/NA	Prep	3510C			1003273	NMP	EET EDI	10/24/24 10:59
Total/NA	Analysis	8270E		1	1003389	MME	EET EDI	10/25/24 03:19
Dissolved	Filtration	FILTRATION			1003979	VAD	EET EDI	10/29/24 00:35
Dissolved	Prep	3005A			1003980	VAD	EET EDI	10/29/24 00:38
Dissolved	Analysis	6020B		1	1004036	JKF	EET EDI	10/29/24 02:10
Total/NA	Prep	3010A			1003606	GAE	EET EDI	10/25/24 18:50
Total/NA	Analysis	6020B		1	1003688	CDC	EET EDI	10/26/24 15:45
Dissolved	Filtration	FILTRATION			1003927	RBS	EET EDI	10/28/24 14:12
Dissolved	Prep	7470A			1003934	RBS	EET EDI	10/28/24 15:09
Dissolved	Analysis	7470A		1	1003949	RBS	EET EDI	10/28/24 16:01
Total/NA	Prep	7470A			1003538	RBS	EET EDI	10/25/24 11:47
Total/NA	Analysis	7470A		1	1003584	RBS	EET EDI	10/25/24 14:55

Client Sample ID: TW-2_10222024

Lab Sample ID: 460-313980-2

Date Collected: 10/22/24 11:50

Matrix: Water

Date Received: 10/22/24 19:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1003197	SZD	EET EDI	10/24/24 16:17
Total/NA	Prep	3510C			1003273	NMP	EET EDI	10/24/24 10:59
Total/NA	Analysis	8270E		1	1003389	MME	EET EDI	10/25/24 03:40
Dissolved	Filtration	FILTRATION			1003979	VAD	EET EDI	10/29/24 00:35
Dissolved	Prep	3005A			1003980	VAD	EET EDI	10/29/24 00:38
Dissolved	Analysis	6020B		1	1004036	JKF	EET EDI	10/29/24 02:12
Total/NA	Prep	3010A			1003606	GAE	EET EDI	10/25/24 18:50
Total/NA	Analysis	6020B		1	1003688	CDC	EET EDI	10/26/24 15:52
Dissolved	Filtration	FILTRATION			1003927	RBS	EET EDI	10/28/24 14:12
Dissolved	Prep	7470A			1003934	RBS	EET EDI	10/28/24 15:09
Dissolved	Analysis	7470A		1	1003949	RBS	EET EDI	10/28/24 15:54
Total/NA	Prep	7470A			1003538	RBS	EET EDI	10/25/24 11:47
Total/NA	Analysis	7470A		1	1003584	RBS	EET EDI	10/25/24 14:56

Client Sample ID: SB-5_(0-2)

Lab Sample ID: 460-313980-3

Date Collected: 10/22/24 08:15

Matrix: Solid

Date Received: 10/22/24 19:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1003079	CJC	EET EDI	10/23/24 19:49

Client Sample ID: SB-5_(0-2)

Lab Sample ID: 460-313980-3

Date Collected: 10/22/24 08:15

Matrix: Solid

Date Received: 10/22/24 19:45

Percent Solids: 98.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1003054	MXW	EET EDI	10/23/24 14:21
Total/NA	Analysis	8260D		1	1003438	AAT	EET EDI	10/25/24 10:12
Total/NA	Prep	3546			1003128	GXY	EET EDI	10/23/24 20:01
Total/NA	Analysis	8270E		1	1003184	MDJ	EET EDI	10/24/24 11:51
Total/NA	Prep	3546			1003381	ARA	EET EDI	10/24/24 18:10
Total/NA	Analysis	8082A		1	1003434	JHP	EET EDI	10/25/24 17:40
Total/NA	Prep	3050B			1003468	FBT	EET EDI	10/25/24 07:26
Total/NA	Analysis	6020B		1	1003528	CDC	EET EDI	10/26/24 00:34
Total/NA	Prep	7471B			1003160	TJS	EET EDI	10/24/24 01:20
Total/NA	Analysis	7471B		5	1003207	TJS	EET EDI	10/24/24 06:58

Client Sample ID: SB-5_(13-15)

Lab Sample ID: 460-313980-4

Date Collected: 10/22/24 08:45

Matrix: Solid

Date Received: 10/22/24 19:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1003079	CJC	EET EDI	10/23/24 19:53

Client Sample ID: SB-5_(13-15)

Lab Sample ID: 460-313980-4

Date Collected: 10/22/24 08:45

Matrix: Solid

Date Received: 10/22/24 19:45

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1003054	MXW	EET EDI	10/23/24 14:22
Total/NA	Analysis	8260D		1	1003438	AAT	EET EDI	10/25/24 10:34
Total/NA	Prep	3546			1003128	GXY	EET EDI	10/23/24 20:01
Total/NA	Analysis	8270E		1	1003184	MDJ	EET EDI	10/24/24 08:46
Total/NA	Prep	3050B			1003468	FBT	EET EDI	10/25/24 07:26
Total/NA	Analysis	6020B		1	1003528	CDC	EET EDI	10/26/24 00:41
Total/NA	Prep	7471B			1003160	TJS	EET EDI	10/24/24 01:20
Total/NA	Analysis	7471B		1	1003207	TJS	EET EDI	10/24/24 06:59

Client Sample ID: SB-2_(9-11)

Lab Sample ID: 460-313980-5

Date Collected: 10/22/24 14:00

Matrix: Solid

Date Received: 10/22/24 19:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1003079	CJC	EET EDI	10/23/24 19:53

Client Sample ID: SB-2_(9-11)

Lab Sample ID: 460-313980-5

Date Collected: 10/22/24 14:00

Matrix: Solid

Date Received: 10/22/24 19:45

Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1003054	MXW	EET EDI	10/23/24 14:23
Total/NA	Analysis	8260D		1	1003619	AAT	EET EDI	10/26/24 09:02

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 264 Butler

Job ID: 460-313980-1

Client Sample ID: SB-2_(9-11)

Date Collected: 10/22/24 14:00
Date Received: 10/22/24 19:45

Lab Sample ID: 460-313980-5

Matrix: Solid
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1003128	GXY	EET EDI	10/23/24 20:01
Total/NA	Analysis	8270E		1	1003184	MDJ	EET EDI	10/24/24 09:09
Total/NA	Prep	3050B			1003468	FBT	EET EDI	10/25/24 07:26
Total/NA	Analysis	6020B		1	1003528	CDC	EET EDI	10/26/24 00:44
Total/NA	Prep	7471B			1003160	TJS	EET EDI	10/24/24 01:20
Total/NA	Analysis	7471B		1	1003207	TJS	EET EDI	10/24/24 06:40

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313980-1
Project/Site: 264 Butler

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3510C	Water	3 & 4 Methylphenol
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313980-1
Project/Site: 264 Butler

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI
FILTRATION	Sample Filtration	None	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-313980-1
Project/Site: 264 Butler

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-313980-1	TW-1_10222024	Water	10/22/24 09:15	10/22/24 19:45
460-313980-2	TW-2_10222024	Water	10/22/24 11:50	10/22/24 19:45
460-313980-3	SB-5_(0-2)	Solid	10/22/24 08:15	10/22/24 19:45
460-313980-4	SB-5_(13-15)	Solid	10/22/24 08:45	10/22/24 19:45
460-313980-5	SB-2_(9-11)	Solid	10/22/24 14:00	10/22/24 19:45

Chain of Custody Record

686055

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313980

TAL-8210

Address. _____

NYC 22

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Jack Rusk	Site Contact: Ben Weintraub	Date: 10/22/24	COC No: 1 of 1 COCs
Company Name: Roux	Tel/Email: 845 905 6576 jrusk@roux.com	Lab Contact:	Carrier:	
Address: 269 Shafter St	Analysis Turnaround Time: ☐ CALENDAR DAYS ☐ WORKING DAYS			
City/State/Zip: Islandia NY	TAT if different from Below: Standard			
Phone: 631 737 2600	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			
Fax:				
Project Name: 264 Butler				
Site:				
PO# 4447 0003Y000				

460-313980 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	6020B Metals	7470A Mercury	8260B VOCs	6020B Dissolved metals	7470A Dissolved mercury	7471B Mercury	8082A PCBs	Sample Specific Notes:
TW-1_1022 2024	10/22/24	0915	G	W	7			X	X	X	X	X	X		1
TW-2_1022 2024	↓	1150	G	W	7			X	X	X	X	X	X		2
SB-5_(0-2)		0815	G	S				X	X		X		X	X	3
SB-5_(13-15)		0845	G	S				X	X		X		X		4
SB-2_(9-11)	↓	1400	G	S				X	X		X		X		5
~~SB-3_(~~															

SHORT HOLD

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 4 4

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd:_____ Corr'd._____ Therm ID No._____					
Relinquished by: Ben Weintraub	Company: Roux	Date/Time: 10/22/24	Received by:	Company:	Date/Time: 10/22/24 1600		
Relinquished by:	Company:	Date/Time:	Received by:	Company: FEDEX	Date/Time: 10-22-24 16:00		
Relinquished by:	Company: FEDEX 10-22-24	Date/Time: 19:45	Received in Laboratory by:	Company: FEDEX	Date/Time: 10/22/24 1945		

MS/MSD ER # 9 2.5/2.7 - 2.8/3.0

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10/29/2024

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 513980

Number of Coolers: 2 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.5 °C	2.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	2.8 °C	3.0 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											

If pH adjustments are required record the information below.

Sample No(s). adjusted. _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials. _____ Date: 10-22-24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-313980-1

Login Number: 313980
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jack Rusk
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 10/29/2024 5:30:51 PM

JOB DESCRIPTION

264 Butler

JOB NUMBER

460-314078-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Job Notes

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

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.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
10/29/2024 5:30:51 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-314078-1
Project/Site: 264 Butler

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-314078-1

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 10/23/2024 6:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples SB-3_(8-10) (460-314078-1), SB-6_(0-2) (460-314078-2) and SB-6_(9-11) (460-314078-3) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 10/24/2024 and analyzed on 10/28/2024.

The laboratory control sample (LCS) for analytical batch 460-1003813 recovered outside control limits for the following analyte: 2-Butanone (MEK). This analyte was biased low in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-1003940 recovered outside control limits for the following analyte: Vinyl chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-1003940 recovered above the upper control limit for 1,1-Dichloroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples SB-3_(8-10) (460-314078-1), SB-6_(0-2) (460-314078-2) and SB-6_(9-11) (460-314078-3) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 10/25/2024 and analyzed on 10/26/2024 and 10/27/2024.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Sample SB-6_(0-2) (460-314078-2) was analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The sample was prepared on 10/24/2024 and analyzed on 10/25/2024.

Method 6020B - Metals (ICP/MS)
Samples SB-3_(8-10) (460-314078-1), SB-6_(0-2) (460-314078-2) and SB-6_(9-11) (460-314078-3) were analyzed for Metals (ICP/MS). The samples were prepared and analyzed on 10/29/2024.

Method 7471B - Mercury (CVAA)
Samples SB-3_(8-10) (460-314078-1), SB-6_(0-2) (460-314078-2) and SB-6_(9-11) (460-314078-3) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 10/29/2024.

Sample SB-6_(0-2) (460-314078-2)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method Moisture - Percent Moisture
Samples SB-3_(8-10) (460-314078-1), SB-6_(0-2) (460-314078-2) and SB-6_(9-11) (460-314078-3) were analyzed for Percent Moisture. The samples were analyzed on 10/24/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-314078-1
Project/Site: 264 Butler

Client Sample ID: SB-3_(8-10)
Lab Sample ID: 460-314078-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.018		0.0052	0.00038	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.14		0.0063	0.0060	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0028		0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.026	J	0.034	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.018	J	0.034	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.019	J	0.034	0.0087	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.0082	J	0.034	0.0066	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.024	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.054	J	0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.010	J	0.34	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.049	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.039	J	0.34	0.0084	mg/Kg	1	☼	8270E	Total/NA
Arsenic	4.6		0.91	0.094	mg/Kg	1	☼	6020B	Total/NA
Barium	63.8		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.32	J	0.36	0.052	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.0		1.8	0.83	mg/Kg	1	☼	6020B	Total/NA
Copper	19.3		1.8	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	136		0.55	0.18	mg/Kg	1	☼	6020B	Total/NA
Manganese	321		3.6	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	20.1		1.8	0.43	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.93	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.28	J	0.36	0.081	mg/Kg	1	☼	6020B	Total/NA
Zinc	53.6		7.3	2.8	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.38		0.016	0.0073	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-6_(0-2)
Lab Sample ID: 460-314078-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.00078	J	0.0015	0.00044	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.029	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.10	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.089	J	0.33	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.43		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.65		0.033	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.84		0.033	0.0086	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.70		0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.30		0.033	0.0065	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.47		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.14		0.033	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.024	J	0.33	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.69		0.33	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.024	J	0.33	0.0097	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.57		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.19	J	0.33	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.44		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.66		0.33	0.0083	mg/Kg	1	☼	8270E	Total/NA
Arsenic	8.6		0.96	0.099	mg/Kg	1	☼	6020B	Total/NA
Barium	79.2		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.32	J	0.38	0.055	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.26	J	0.96	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.8		1.9	0.87	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-6_(0-2) (Continued)

Lab Sample ID: 460-314078-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	34.1		1.9	0.35	mg/Kg	1	☼	6020B	Total/NA
Lead	357		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Manganese	195		3.8	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.9		1.9	0.45	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.65	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.17	J	0.38	0.086	mg/Kg	1	☼	6020B	Total/NA
Zinc	146		7.7	2.9	mg/Kg	1	☼	6020B	Total/NA
Mercury	2.5		0.086	0.040	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: SB-6_(9-11)

Lab Sample ID: 460-314078-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0030		0.0022	0.0013	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.013	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.022	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.028	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.15		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.17		0.034	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.22		0.034	0.0088	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.13	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.079		0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.16	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.031	J	0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.24	J	0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.010	J	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.12		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.058	J	0.34	0.0059	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.14	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.21	J	0.34	0.0084	mg/Kg	1	☼	8270E	Total/NA
Arsenic	2.1		0.85	0.087	mg/Kg	1	☼	6020B	Total/NA
Barium	27.1		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.23	J	0.34	0.048	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.13	J	0.85	0.096	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.4		1.7	0.77	mg/Kg	1	☼	6020B	Total/NA
Copper	13.3		1.7	0.31	mg/Kg	1	☼	6020B	Total/NA
Lead	46.9		0.51	0.17	mg/Kg	1	☼	6020B	Total/NA
Manganese	277		3.4	0.34	mg/Kg	1	☼	6020B	Total/NA
Nickel	38.3		1.7	0.40	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.16	J	1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Zinc	33.1		6.8	2.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.097		0.016	0.0077	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-3_(8-10)
Date Collected: 10/23/24 08:45
Date Received: 10/23/24 18:45

Lab Sample ID: 460-314078-1
Matrix: Solid
Percent Solids: 98.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
2-Butanone (MEK)	**0.018**		0.0052	0.00038	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Acetone	**0.14**		0.0063	0.0060	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Benzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Ethylbenzene	0.0010	U	0.0010	0.00021	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Methylene Chloride	**0.0028**		0.0021	0.0012	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
n-Butylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Trichloroethene	0.0010	U	0.0010	0.00034	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Vinyl chloride	0.0010	U *	0.0010	0.00057	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	10/24/24 14:31	10/28/24 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*10/24/24 14:31*	*10/28/24 20:52*	*1*
4-Bromofluorobenzene	*86*		*71 - 128*	*10/24/24 14:31*	*10/28/24 20:52*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*10/24/24 14:31*	*10/28/24 20:52*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*10/24/24 14:31*	*10/28/24 20:52*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.029	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Acenaphthene	0.34	U	0.34	0.0096	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Acenaphthylene	0.34	U	0.34	0.0096	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Benzo[a]anthracene	**0.026**	**J**	0.034	0.025	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Benzo[a]pyrene	**0.018**	**J**	0.034	0.0090	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Benzo[b]fluoranthene	**0.019**	**J**	0.034	0.0087	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Benzo[g,h,i]perylene	0.34	U	0.34	0.0099	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Benzo[k]fluoranthene	**0.0082**	**J**	0.034	0.0066	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Chrysene	**0.024**	**J**	0.34	0.014	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1

Client Sample ID: SB-3_(8-10)

Lab Sample ID: 460-314078-1
Date Collected: 10/23/24 08:45
Matrix: Solid
Date Received: 10/23/24 18:45
Percent Solids: 98.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Fluoranthene	**0.054**	**J**	0.34	0.012	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Fluorene	0.34	U	0.34	0.0099	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Indeno[1,2,3-cd]pyrene	0.034	U	0.034	0.013	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Naphthalene	**0.010**	**J**	0.34	0.0058	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Phenanthrene	**0.049**	**J**	0.34	0.014	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1
Pyrene	**0.039**	**J**	0.34	0.0084	mg/Kg	☼	10/25/24 20:03	10/26/24 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*24 - 137*	*10/25/24 20:03*	*10/26/24 20:46*	*1*
2-Fluorobiphenyl	*72*		*38 - 128*	*10/25/24 20:03*	*10/26/24 20:46*	*1*
2-Fluorophenol (Surr)	*75*		*31 - 133*	*10/25/24 20:03*	*10/26/24 20:46*	*1*
Nitrobenzene-d5 (Surr)	*70*		*31 - 120*	*10/25/24 20:03*	*10/26/24 20:46*	*1*
Phenol-d5 (Surr)	*75*		*35 - 132*	*10/25/24 20:03*	*10/26/24 20:46*	*1*
Terphenyl-d14 (Surr)	*72*		*44 - 147*	*10/25/24 20:03*	*10/26/24 20:46*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		0.91	0.094	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Barium	**63.8**		1.8	0.13	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Beryllium	**0.32**	**J**	0.36	0.052	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Cadmium	0.91	U	0.91	0.10	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Chromium	**13.0**		1.8	0.83	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Copper	**19.3**		1.8	0.34	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Lead	**136**		0.55	0.18	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Manganese	**321**		3.6	0.37	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Nickel	**20.1**		1.8	0.43	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Selenium	**0.93**	**J**	1.1	0.12	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Silver	**0.28**	**J**	0.36	0.081	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1
Zinc	**53.6**		7.3	2.8	mg/Kg	☼	10/29/24 06:27	10/29/24 13:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.38**		0.016	0.0073	mg/Kg	☼	10/29/24 00:49	10/29/24 04:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.0**		1.0	1.0	%			10/24/24 17:05	1
Percent Solids (EPA Moisture)	**98.0**		1.0	1.0	%			10/24/24 17:05	1

Client Sample ID: SB-6_(0-2)

Lab Sample ID: 460-314078-2
Date Collected: 10/23/24 11:15
Matrix: Solid
Date Received: 10/23/24 18:45
Percent Solids: 99.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00034	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1

Client Sample ID: SB-6_(0-2)
Date Collected: 10/23/24 11:15
Date Received: 10/23/24 18:45

Lab Sample ID: 460-314078-2
Matrix: Solid
Percent Solids: 99.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00033	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
1,2,4-Trimethylbenzene	0.0015	U	0.0015	0.00036	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00052	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00043	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
1,3,5-Trimethylbenzene	0.0015	U	0.0015	0.00046	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00033	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
2-Butanone (MEK)	0.0073	U *	0.0073	0.00053	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Acetone	0.0087	U	0.0087	0.0083	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Benzene	0.0015	U	0.0015	0.00037	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Carbon tetrachloride	0.0015	U	0.0015	0.00056	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Chlorobenzene	0.0015	U	0.0015	0.00026	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Chloroform	0.0015	U	0.0015	0.0014	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00052	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Ethylbenzene	0.0015	U	0.0015	0.00029	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00074	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Methylene Chloride	0.0029	U	0.0029	0.0017	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
n-Butylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
N-Propylbenzene	0.0015	U	0.0015	0.00025	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
sec-Butylbenzene	0.0015	U	0.0015	0.00042	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
tert-Butylbenzene	0.0015	U	0.0015	0.00040	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Tetrachloroethene	**0.00078**	**J**	0.0015	0.00044	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Toluene	0.0015	U	0.0015	0.00034	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00036	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Trichloroethene	0.0015	U	0.0015	0.00047	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Vinyl chloride	0.0015	U	0.0015	0.00079	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1
Xylenes, Total	0.0029	U	0.0029	0.00025	mg/Kg	☼	10/24/24 14:32	10/28/24 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*10/24/24 14:32*	*10/28/24 10:38*	*1*
4-Bromofluorobenzene	*86*		*71 - 128*	*10/24/24 14:32*	*10/28/24 10:38*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*10/24/24 14:32*	*10/28/24 10:38*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*10/24/24 14:32*	*10/28/24 10:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Acenaphthene	**0.029**	**J**	0.33	0.0095	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Acenaphthylene	**0.10**	**J**	0.33	0.0095	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Anthracene	**0.089**	**J**	0.33	0.010	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Benzo[a]anthracene	**0.43**		0.033	0.025	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Benzo[a]pyrene	**0.65**		0.033	0.0089	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Benzo[b]fluoranthene	**0.84**		0.033	0.0086	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Benzo[g,h,i]perylene	**0.70**		0.33	0.0098	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Benzo[k]fluoranthene	**0.30**		0.033	0.0065	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Chrysene	**0.47**		0.33	0.014	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Dibenz(a,h)anthracene	**0.14**		0.033	0.014	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1

Client Sample ID: SB-6_(0-2)
Lab Sample ID: 460-314078-2
Date Collected: 10/23/24 11:15
Matrix: Solid
Date Received: 10/23/24 18:45
Percent Solids: 99.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.024	J	0.33	0.011	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Fluoranthene	0.69		0.33	0.012	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Fluorene	0.024	J	0.33	0.0097	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Indeno[1,2,3-cd]pyrene	0.57		0.033	0.013	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Naphthalene	0.19	J	0.33	0.0058	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Phenanthrene	0.44		0.33	0.014	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1
Pyrene	0.66		0.33	0.0083	mg/Kg	☼	10/25/24 20:03	10/27/24 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*24 - 137*	*10/25/24 20:03*	*10/27/24 00:39*	*1*
2-Fluorobiphenyl	*74*		*38 - 128*	*10/25/24 20:03*	*10/27/24 00:39*	*1*
2-Fluorophenol (Surr)	*76*		*31 - 133*	*10/25/24 20:03*	*10/27/24 00:39*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*10/25/24 20:03*	*10/27/24 00:39*	*1*
Phenol-d5 (Surr)	*78*		*35 - 132*	*10/25/24 20:03*	*10/27/24 00:39*	*1*
Terphenyl-d14 (Surr)	*79*		*44 - 147*	*10/25/24 20:03*	*10/27/24 00:39*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg	☼	10/24/24 18:10	10/25/24 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*20 - 150*	*10/24/24 18:10*	*10/25/24 18:47*	*1*
DCB Decachlorobiphenyl	*59*		*20 - 150*	*10/24/24 18:10*	*10/25/24 18:47*	*1*
Tetrachloro-m-xylene	*67*		*20 - 150*	*10/24/24 18:10*	*10/25/24 18:47*	*1*
Tetrachloro-m-xylene	*61*		*20 - 150*	*10/24/24 18:10*	*10/25/24 18:47*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.6		0.96	0.099	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Barium	79.2		1.9	0.14	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Beryllium	0.32	J	0.38	0.055	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Cadmium	0.26	J	0.96	0.11	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Chromium	13.8		1.9	0.87	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Copper	34.1		1.9	0.35	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Lead	357		0.58	0.19	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Manganese	195		3.8	0.39	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Nickel	15.9		1.9	0.45	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Selenium	0.65	J	1.2	0.12	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1

Client Sample ID: SB-6_(0-2)

Lab Sample ID: 460-314078-2
Date Collected: 10/23/24 11:15
Matrix: Solid
Date Received: 10/23/24 18:45
Percent Solids: 99.0

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.17	J	0.38	0.086	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1
Zinc	146		7.7	2.9	mg/Kg	☼	10/29/24 06:27	10/29/24 13:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.5		0.086	0.040	mg/Kg	☼	10/29/24 00:49	10/29/24 06:54	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	1		1.0	1.0	%			10/24/24 17:05	1
Percent Solids (EPA Moisture)	99.0		1.0	1.0	%			10/24/24 17:05	1

Client Sample ID: SB-6_(9-11)

Lab Sample ID: 460-314078-3
Date Collected: 10/23/24 11:45
Matrix: Solid
Date Received: 10/23/24 18:45
Percent Solids: 97.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
2-Butanone (MEK)	0.0056	U *	0.0056	0.00041	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Methylene Chloride	0.0030		0.0022	0.0013	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
N-Propylbenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1
Xylenes, Total	0.0022	U	0.0022	0.00020	mg/Kg	☼	10/24/24 14:33	10/28/24 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*10/24/24 14:33*	*10/28/24 11:02*	*1*
4-Bromofluorobenzene	*84*		*71 - 128*	*10/24/24 14:33*	*10/28/24 11:02*	*1*

Client Sample ID: SB-6_(9-11)
Lab Sample ID: 460-314078-3
Date Collected: 10/23/24 11:45
Matrix: Solid
Date Received: 10/23/24 18:45
Percent Solids: 97.3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*105*		*50 - 150*	*10/24/24 14:33*	*10/28/24 11:02*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*10/24/24 14:33*	*10/28/24 11:02*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Acenaphthene	**0.013**	**J**	0.34	0.0097	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Acenaphthylene	**0.022**	**J**	0.34	0.0097	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Anthracene	**0.028**	**J**	0.34	0.010	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Benzo[a]anthracene	**0.15**		0.034	0.026	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Benzo[a]pyrene	**0.17**		0.034	0.0090	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Benzo[b]fluoranthene	**0.22**		0.034	0.0088	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Benzo[g,h,i]perylene	**0.13**	**J**	0.34	0.010	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Benzo[k]fluoranthene	**0.079**		0.034	0.0067	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Chrysene	**0.16**	**J**	0.34	0.014	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Dibenz(a,h)anthracene	**0.031**	**J**	0.034	0.015	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Fluoranthene	**0.24**	**J**	0.34	0.012	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Fluorene	**0.010**	**J**	0.34	0.0099	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Indeno[1,2,3-cd]pyrene	**0.12**		0.034	0.013	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Naphthalene	**0.058**	**J**	0.34	0.0059	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Phenanthrene	**0.14**	**J**	0.34	0.014	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1
Pyrene	**0.21**	**J**	0.34	0.0084	mg/Kg	☼	10/25/24 20:03	10/26/24 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*10/25/24 20:03*	*10/26/24 21:33*	*1*
2-Fluorobiphenyl	*77*		*38 - 128*	*10/25/24 20:03*	*10/26/24 21:33*	*1*
2-Fluorophenol (Surr)	*80*		*31 - 133*	*10/25/24 20:03*	*10/26/24 21:33*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*10/25/24 20:03*	*10/26/24 21:33*	*1*
Phenol-d5 (Surr)	*80*		*35 - 132*	*10/25/24 20:03*	*10/26/24 21:33*	*1*
Terphenyl-d14 (Surr)	*78*		*44 - 147*	*10/25/24 20:03*	*10/26/24 21:33*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**		0.85	0.087	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Barium	**27.1**		1.7	0.12	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Beryllium	**0.23**	**J**	0.34	0.048	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Cadmium	**0.13**	**J**	0.85	0.096	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Chromium	**12.4**		1.7	0.77	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Copper	**13.3**		1.7	0.31	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Lead	**46.9**		0.51	0.17	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Manganese	**277**		3.4	0.34	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Nickel	**38.3**		1.7	0.40	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Selenium	**0.16**	**J**	1.1	0.11	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1
Silver	0.34	U	0.34	0.076	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1

Client Sample ID: SB-6_(9-11)
Lab Sample ID: 460-314078-3
Date Collected: 10/23/24 11:45
Matrix: Solid
Date Received: 10/23/24 18:45
Percent Solids: 97.3

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	33.1		6.8	2.6	mg/Kg	☼	10/29/24 06:27	10/29/24 13:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.097		0.016	0.0077	mg/Kg	☼	10/29/24 00:49	10/29/24 04:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.7		1.0	1.0	%			10/24/24 17:05	1
Percent Solids (EPA Moisture)	97.3		1.0	1.0	%			10/24/24 17:05	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-314078-1
Project/Site: 264 Butler

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-314078-1	SB-3_(8-10)	111	86	102	99
460-314078-2	SB-6_(0-2)	96	86	104	93
460-314078-3	SB-6_(9-11)	112	84	105	94
LB3 460-1003325/1-A	Method Blank	115	88	108	99
LCS 460-1003813/3	Lab Control Sample	111	95	104	105
LCS 460-1003940/3	Lab Control Sample	109	93	99	103
LCSD 460-1003813/4	Lab Control Sample Dup	110	94	102	103
LCSD 460-1003940/6	Lab Control Sample Dup	113	96	102	104
MB 460-1003813/7	Method Blank	111	90	106	92
MB 460-1003940/9	Method Blank	115	95	106	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-314006-A-2-C MS	Matrix Spike	83	77	81	76	83	78
460-314006-A-2-D MSD	Matrix Spike Duplicate	80	76	77	73	80	79
460-314078-1	SB-3_(8-10)	76	72	75	70	75	72
460-314078-2	SB-6_(0-2)	78	74	76	71	78	79
460-314078-3	SB-6_(9-11)	79	77	80	74	80	78
LCS 460-1003600/2-A	Lab Control Sample	80	75	78	75	80	73
LCSD 460-1003600/3-A	Lab Control Sample Dup	79	71	76	71	80	75
MB 460-1003600/1-A	Method Blank	78	78	81	79	82	74

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)
460-313962-A-1-B MS	Matrix Spike	48	52	56	61
460-313962-A-1-C MSD	Matrix Spike Duplicate	57	61	63	69
460-314078-2	SB-6_(0-2)	59	64	61	67
LCS 460-1003381/2-A	Lab Control Sample	75	79	106	114
LCSD 460-1003381/3-A	Lab Control Sample Dup	68	77	95	103

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-314078-1
Project/Site: 264 Butler

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCBP1	DCBP2	TCX1	TCX2				
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)				
MB 460-1003381/1-A	Method Blank	62	70	90	98				

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Lab Sample ID: LB3 460-1003325/1-A
Matrix: Solid
Analysis Batch: 1003813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003325

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		10/24/24 14:30	10/28/24 09:50	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg		10/24/24 14:30	10/28/24 09:50	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*65 - 138*	*10/24/24 14:30*	*10/28/24 09:50*	*1*
4-Bromofluorobenzene	*88*		*71 - 128*	*10/24/24 14:30*	*10/28/24 09:50*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*10/24/24 14:30*	*10/28/24 09:50*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*10/24/24 14:30*	*10/28/24 09:50*	*1*

Lab Sample ID: MB 460-1003813/7
Matrix: Solid
Analysis Batch: 1003813

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	0.0010	U	0.0010	0.00023	mg/Kg			10/28/24 06:31	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			10/28/24 06:31	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			10/28/24 06:31	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			10/28/24 06:31	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			10/28/24 06:31	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			10/28/24 06:31	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			10/28/24 06:31	1

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

Lab Sample ID: MB 460-1003813/7
Matrix: Solid
Analysis Batch: 1003813

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			10/28/24 06:31	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			10/28/24 06:31	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			10/28/24 06:31	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			10/28/24 06:31	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			10/28/24 06:31	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			10/28/24 06:31	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/28/24 06:31	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			10/28/24 06:31	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			10/28/24 06:31	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			10/28/24 06:31	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			10/28/24 06:31	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			10/28/24 06:31	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/28/24 06:31	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/28/24 06:31	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/28/24 06:31	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			10/28/24 06:31	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			10/28/24 06:31	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			10/28/24 06:31	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			10/28/24 06:31	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			10/28/24 06:31	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			10/28/24 06:31	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			10/28/24 06:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*		*10/28/24 06:31*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*		*10/28/24 06:31*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*		*10/28/24 06:31*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*		*10/28/24 06:31*	*1*

Lab Sample ID: LCS 460-1003813/3
Matrix: Solid
Analysis Batch: 1003813

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	0.0200	0.0201		mg/Kg		100	78 - 120
1,1-Dichloroethane	0.0200	0.0225		mg/Kg		113	72 - 120
1,1-Dichloroethene	0.0200	0.0171		mg/Kg		85	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0170		mg/Kg		85	75 - 120
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		92	80 - 120
1,2-Dichloroethane	0.0200	0.0186		mg/Kg		93	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0176		mg/Kg		88	70 - 120
1,3-Dichlorobenzene	0.0200	0.0175		mg/Kg		87	80 - 120
1,4-Dichlorobenzene	0.0200	0.0179		mg/Kg		90	80 - 120
2-Butanone (MEK)	0.100	0.0634	*	mg/Kg		63	64 - 128
Acetone	0.100	0.0781		mg/Kg		78	58 - 122
Benzene	0.0200	0.0210		mg/Kg		105	75 - 120
Carbon tetrachloride	0.0200	0.0213		mg/Kg		106	66 - 127
Chlorobenzene	0.0200	0.0183		mg/Kg		92	80 - 120

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

Lab Sample ID: LCS 460-1003813/3
Matrix: Solid
Analysis Batch: 1003813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloroform			0.0200	0.0195		mg/Kg		98	79 - 126		
cis-1,2-Dichloroethene			0.0200	0.0194		mg/Kg		97	80 - 123		
Ethylbenzene			0.0200	0.0184		mg/Kg		92	80 - 120		
Methyl tert-butyl ether			0.0200	0.0194		mg/Kg		97	74 - 125		
Methylene Chloride			0.0200	0.0196		mg/Kg		98	78 - 120		
m-Xylene & p-Xylene			0.0200	0.0186		mg/Kg		93	80 - 120		
n-Butylbenzene			0.0200	0.0206		mg/Kg		103	72 - 120		
N-Propylbenzene			0.0200	0.0177		mg/Kg		89	68 - 120		
o-Xylene			0.0200	0.0181		mg/Kg		90	80 - 120		
sec-Butylbenzene			0.0200	0.0179		mg/Kg		90	78 - 120		
tert-Butylbenzene			0.0200	0.0166		mg/Kg		83	80 - 120		
Tetrachloroethene			0.0200	0.0183		mg/Kg		91	73 - 120		
Toluene			0.0200	0.0190		mg/Kg		95	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0203		mg/Kg		101	78 - 120		
Trichloroethene			0.0200	0.0178		mg/Kg		89	80 - 120		
Vinyl chloride			0.0200	0.0174		mg/Kg		87	54 - 122		
Xylenes, Total			0.0400	0.0367		mg/Kg		92	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*
4-Bromofluorobenzene	*95*		*71 - 128*
Dibromofluoromethane (Surr)	*104*		*50 - 150*
Toluene-d8 (Surr)	*105*		*71 - 126*

Lab Sample ID: LCSD 460-1003813/4
Matrix: Solid
Analysis Batch: 1003813

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			0.0200	0.0202		mg/Kg		101	78 - 120	1	30
1,1-Dichloroethane			0.0200	0.0234		mg/Kg		117	72 - 120	4	30
1,1-Dichloroethene			0.0200	0.0177		mg/Kg		89	76 - 120	4	30
1,2,4-Trimethylbenzene			0.0200	0.0175		mg/Kg		88	75 - 120	3	30
1,2-Dichlorobenzene			0.0200	0.0191		mg/Kg		96	80 - 120	4	30
1,2-Dichloroethane			0.0200	0.0193		mg/Kg		97	70 - 123	4	30
1,3,5-Trimethylbenzene			0.0200	0.0180		mg/Kg		90	70 - 120	2	30
1,3-Dichlorobenzene			0.0200	0.0184		mg/Kg		92	80 - 120	5	30
1,4-Dichlorobenzene			0.0200	0.0184		mg/Kg		92	80 - 120	3	30
2-Butanone (MEK)			0.100	0.0671		mg/Kg		67	64 - 128	6	30
Acetone			0.100	0.0781		mg/Kg		78	58 - 122	0	30
Benzene			0.0200	0.0213		mg/Kg		107	75 - 120	2	30
Carbon tetrachloride			0.0200	0.0219		mg/Kg		109	66 - 127	3	30
Chlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	3	30
Chloroform			0.0200	0.0206		mg/Kg		103	79 - 126	5	30
cis-1,2-Dichloroethene			0.0200	0.0199		mg/Kg		100	80 - 123	3	30
Ethylbenzene			0.0200	0.0188		mg/Kg		94	80 - 120	2	30
Methyl tert-butyl ether			0.0200	0.0201		mg/Kg		101	74 - 125	4	30
Methylene Chloride			0.0200	0.0199		mg/Kg		99	78 - 120	2	30

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

Lab Sample ID: LCSD 460-1003813/4
Matrix: Solid
Analysis Batch: 1003813

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
m-Xylene & p-Xylene			0.0200	0.0189		mg/Kg		94	80 - 120	2	30
n-Butylbenzene			0.0200	0.0212		mg/Kg		106	72 - 120	3	30
N-Propylbenzene			0.0200	0.0183		mg/Kg		91	68 - 120	3	30
o-Xylene			0.0200	0.0187		mg/Kg		93	80 - 120	3	30
sec-Butylbenzene			0.0200	0.0186		mg/Kg		93	78 - 120	4	30
tert-Butylbenzene			0.0200	0.0172		mg/Kg		86	80 - 120	4	30
Tetrachloroethene			0.0200	0.0189		mg/Kg		94	73 - 120	3	30
Toluene			0.0200	0.0196		mg/Kg		98	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0205		mg/Kg		102	78 - 120	1	30
Trichloroethene			0.0200	0.0184		mg/Kg		92	80 - 120	4	30
Vinyl chloride			0.0200	0.0183		mg/Kg		92	54 - 122	5	30
Xylenes, Total			0.0400	0.0375		mg/Kg		94	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*
4-Bromofluorobenzene	*94*		*71 - 128*
Dibromofluoromethane (Surr)	*102*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: MB 460-1003940/9
Matrix: Solid
Analysis Batch: 1003940

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	0.0010	U	0.0010	0.00023	mg/Kg			10/28/24 19:54	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			10/28/24 19:54	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			10/28/24 19:54	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			10/28/24 19:54	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			10/28/24 19:54	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			10/28/24 19:54	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			10/28/24 19:54	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			10/28/24 19:54	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			10/28/24 19:54	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			10/28/24 19:54	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			10/28/24 19:54	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			10/28/24 19:54	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			10/28/24 19:54	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/28/24 19:54	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			10/28/24 19:54	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			10/28/24 19:54	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			10/28/24 19:54	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			10/28/24 19:54	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			10/28/24 19:54	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/28/24 19:54	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			10/28/24 19:54	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			10/28/24 19:54	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			10/28/24 19:54	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			10/28/24 19:54	1

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

Lab Sample ID: MB 460-1003940/9
Matrix: Solid
Analysis Batch: 1003940

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			10/28/24 19:54	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			10/28/24 19:54	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			10/28/24 19:54	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			10/28/24 19:54	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			10/28/24 19:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*65 - 138*		*10/28/24 19:54*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*		*10/28/24 19:54*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*		*10/28/24 19:54*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*		*10/28/24 19:54*	*1*

Lab Sample ID: LCS 460-1003940/3
Matrix: Solid
Analysis Batch: 1003940

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	0.0200	0.0208		mg/Kg		104	78 - 120
1,1-Dichloroethane	0.0200	0.0239		mg/Kg		120	72 - 120
1,1-Dichloroethene	0.0200	0.0203		mg/Kg		101	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0182		mg/Kg		91	75 - 120
1,2-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0208		mg/Kg		104	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0187		mg/Kg		94	70 - 120
1,3-Dichlorobenzene	0.0200	0.0189		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
2-Butanone (MEK)	0.100	0.0663		mg/Kg		66	64 - 128
Acetone	0.100	0.0787		mg/Kg		79	58 - 122
Benzene	0.0200	0.0222		mg/Kg		111	75 - 120
Carbon tetrachloride	0.0200	0.0223		mg/Kg		112	66 - 127
Chlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Chloroform	0.0200	0.0210		mg/Kg		105	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	80 - 123
Ethylbenzene	0.0200	0.0199		mg/Kg		99	80 - 120
Methyl tert-butyl ether	0.0200	0.0204		mg/Kg		102	74 - 125
Methylene Chloride	0.0200	0.0205		mg/Kg		102	78 - 120
m-Xylene & p-Xylene	0.0200	0.0198		mg/Kg		99	80 - 120
n-Butylbenzene	0.0200	0.0214		mg/Kg		107	72 - 120
N-Propylbenzene	0.0200	0.0186		mg/Kg		93	68 - 120
o-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120
sec-Butylbenzene	0.0200	0.0187		mg/Kg		94	78 - 120
tert-Butylbenzene	0.0200	0.0177		mg/Kg		89	80 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		97	73 - 120
Toluene	0.0200	0.0205		mg/Kg		103	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0212		mg/Kg		106	78 - 120
Trichloroethene	0.0200	0.0188		mg/Kg		94	80 - 120
Vinyl chloride	0.0200	0.0248	*	mg/Kg		124	54 - 122
Xylenes, Total	0.0400	0.0386		mg/Kg		97	80 - 120

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

Lab Sample ID: LCS 460-1003940/3
Matrix: Solid
Analysis Batch: 1003940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*
4-Bromofluorobenzene	*93*		*71 - 128*
Dibromofluoromethane (Surr)	*99*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: LCSD 460-1003940/6
Matrix: Solid
Analysis Batch: 1003940

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			0.0200	0.0203		mg/Kg		101	78 - 120	3	30
1,1-Dichloroethane			0.0200	0.0227		mg/Kg		114	72 - 120	5	30
1,1-Dichloroethene			0.0200	0.0189		mg/Kg		94	76 - 120	7	30
1,2,4-Trimethylbenzene			0.0200	0.0176		mg/Kg		88	75 - 120	3	30
1,2-Dichlorobenzene			0.0200	0.0184		mg/Kg		92	80 - 120	5	30
1,2-Dichloroethane			0.0200	0.0198		mg/Kg		99	70 - 123	5	30
1,3,5-Trimethylbenzene			0.0200	0.0179		mg/Kg		89	70 - 120	4	30
1,3-Dichlorobenzene			0.0200	0.0182		mg/Kg		91	80 - 120	4	30
1,4-Dichlorobenzene			0.0200	0.0185		mg/Kg		92	80 - 120	3	30
2-Butanone (MEK)			0.100	0.0646		mg/Kg		65	64 - 128	3	30
Acetone			0.100	0.0812		mg/Kg		81	58 - 122	3	30
Benzene			0.0200	0.0213		mg/Kg		106	75 - 120	4	30
Carbon tetrachloride			0.0200	0.0213		mg/Kg		107	66 - 127	4	30
Chlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	5	30
Chloroform			0.0200	0.0201		mg/Kg		101	79 - 126	4	30
cis-1,2-Dichloroethene			0.0200	0.0200		mg/Kg		100	80 - 123	2	30
Ethylbenzene			0.0200	0.0192		mg/Kg		96	80 - 120	4	30
Methyl tert-butyl ether			0.0200	0.0198		mg/Kg		99	74 - 125	3	30
Methylene Chloride			0.0200	0.0198		mg/Kg		99	78 - 120	4	30
m-Xylene & p-Xylene			0.0200	0.0189		mg/Kg		94	80 - 120	5	30
n-Butylbenzene			0.0200	0.0207		mg/Kg		104	72 - 120	3	30
N-Propylbenzene			0.0200	0.0179		mg/Kg		90	68 - 120	4	30
o-Xylene			0.0200	0.0180		mg/Kg		90	80 - 120	5	30
sec-Butylbenzene			0.0200	0.0181		mg/Kg		90	78 - 120	3	30
tert-Butylbenzene			0.0200	0.0166		mg/Kg		83	80 - 120	6	30
Tetrachloroethene			0.0200	0.0190		mg/Kg		95	73 - 120	2	30
Toluene			0.0200	0.0187		mg/Kg		94	80 - 120	9	30
trans-1,2-Dichloroethene			0.0200	0.0207		mg/Kg		104	78 - 120	2	30
Trichloroethene			0.0200	0.0181		mg/Kg		90	80 - 120	4	30
Vinyl chloride			0.0200	0.0231		mg/Kg		116	54 - 122	7	30
Xylenes, Total			0.0400	0.0368		mg/Kg		92	80 - 120	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*102*		*50 - 150*
Toluene-d8 (Surr)	*104*		*71 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1003600/1-A
Matrix: Solid
Analysis Batch: 1003678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Phenol	0.33	U	0.33	0.012	mg/Kg		10/25/24 20:03	10/26/24 15:45	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		10/25/24 20:03	10/26/24 15:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*24 - 137*	*10/25/24 20:03*	*10/26/24 15:45*	*1*
2-Fluorobiphenyl	*78*		*38 - 128*	*10/25/24 20:03*	*10/26/24 15:45*	*1*
2-Fluorophenol (Surr)	*81*		*31 - 133*	*10/25/24 20:03*	*10/26/24 15:45*	*1*
Nitrobenzene-d5 (Surr)	*79*		*31 - 120*	*10/25/24 20:03*	*10/26/24 15:45*	*1*
Phenol-d5 (Surr)	*82*		*35 - 132*	*10/25/24 20:03*	*10/26/24 15:45*	*1*
Terphenyl-d14 (Surr)	*74*		*44 - 147*	*10/25/24 20:03*	*10/26/24 15:45*	*1*

Lab Sample ID: LCS 460-1003600/2-A
Matrix: Solid
Analysis Batch: 1003678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	3.33	2.15		mg/Kg		64	27 - 120
2-Methylphenol	3.33	2.75		mg/Kg		83	63 - 120
3 & 4 Methylphenol	3.33	2.73		mg/Kg		82	61 - 120
Acenaphthene	3.33	2.73		mg/Kg		82	65 - 120
Acenaphthylene	3.33	2.92		mg/Kg		88	64 - 120
Anthracene	3.33	2.79		mg/Kg		84	67 - 120
Benzo[a]anthracene	3.33	2.70		mg/Kg		81	66 - 120
Benzo[a]pyrene	3.33	2.88		mg/Kg		87	73 - 123
Benzo[b]fluoranthene	3.33	2.81		mg/Kg		84	70 - 125
Benzo[g,h,i]perylene	3.33	3.08		mg/Kg		92	66 - 120
Benzo[k]fluoranthene	3.33	2.78		mg/Kg		83	67 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1003600/2-A
Matrix: Solid
Analysis Batch: 1003678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003600

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chrysene			3.33	2.64		mg/Kg		79	67 - 120		
Dibenz(a,h)anthracene			3.33	2.81		mg/Kg		84	66 - 128		
Dibenzofuran			3.33	2.68		mg/Kg		80	61 - 120		
Fluoranthene			3.33	2.90		mg/Kg		87	61 - 120		
Fluorene			3.33	2.79		mg/Kg		84	64 - 120		
Hexachlorobenzene			3.33	2.73		mg/Kg		82	66 - 120		
Indeno[1,2,3-cd]pyrene			3.33	3.00		mg/Kg		90	71 - 137		
Naphthalene			3.33	2.62		mg/Kg		79	63 - 120		
Pentachlorophenol			6.67	5.61		mg/Kg		84	61 - 126		
Phenanthrene			3.33	2.75		mg/Kg		82	66 - 120		
Phenol			3.33	2.71		mg/Kg		81	63 - 120		
Pyrene			3.33	2.58		mg/Kg		77	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*24 - 137*
2-Fluorobiphenyl	*75*		*38 - 128*
2-Fluorophenol (Surr)	*78*		*31 - 133*
Nitrobenzene-d5 (Surr)	*75*		*31 - 120*
Phenol-d5 (Surr)	*80*		*35 - 132*
Terphenyl-d14 (Surr)	*73*		*44 - 147*

Lab Sample ID: LCSD 460-1003600/3-A
Matrix: Solid
Analysis Batch: 1003678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003600

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			3.33	2.03		mg/Kg		61	27 - 120	5	30
2-Methylphenol			3.33	2.74		mg/Kg		82	63 - 120	0	30
3 & 4 Methylphenol			3.33	2.73		mg/Kg		82	61 - 120	0	30
Acenaphthene			3.33	2.57		mg/Kg		77	65 - 120	6	30
Acenaphthylene			3.33	2.76		mg/Kg		83	64 - 120	6	30
Anthracene			3.33	2.69		mg/Kg		81	67 - 120	3	30
Benzo[a]anthracene			3.33	2.69		mg/Kg		81	66 - 120	1	30
Benzo[a]pyrene			3.33	2.84		mg/Kg		85	73 - 123	2	30
Benzo[b]fluoranthene			3.33	2.77		mg/Kg		83	70 - 125	1	30
Benzo[g,h,i]perylene			3.33	2.98		mg/Kg		89	66 - 120	3	30
Benzo[k]fluoranthene			3.33	2.75		mg/Kg		83	67 - 122	1	30
Chrysene			3.33	2.64		mg/Kg		79	67 - 120	0	30
Dibenz(a,h)anthracene			3.33	2.74		mg/Kg		82	66 - 128	2	30
Dibenzofuran			3.33	2.56		mg/Kg		77	61 - 120	4	30
Fluoranthene			3.33	2.83		mg/Kg		85	61 - 120	2	30
Fluorene			3.33	2.70		mg/Kg		81	64 - 120	3	30
Hexachlorobenzene			3.33	2.64		mg/Kg		79	66 - 120	3	30
Indeno[1,2,3-cd]pyrene			3.33	2.83		mg/Kg		85	71 - 137	6	30
Naphthalene			3.33	2.50		mg/Kg		75	63 - 120	5	30
Pentachlorophenol			6.67	5.46		mg/Kg		82	61 - 126	3	30
Phenanthrene			3.33	2.66		mg/Kg		80	66 - 120	3	30
Phenol			3.33	2.70		mg/Kg		81	63 - 120	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1003600/3-A
Matrix: Solid
Analysis Batch: 1003678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003600

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene			3.33	2.69		mg/Kg		81	61 - 121	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*
2-Fluorobiphenyl	*71*		*38 - 128*
2-Fluorophenol (Surr)	*76*		*31 - 133*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*
Phenol-d5 (Surr)	*80*		*35 - 132*
Terphenyl-d14 (Surr)	*75*		*44 - 147*

Lab Sample ID: 460-314006-A-2-C MS
Matrix: Solid
Analysis Batch: 1003678

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003600

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.035	U	3.55	2.08		mg/Kg	☼	58	27 - 120
2-Methylphenol	0.35	U	3.55	2.98		mg/Kg	☼	84	63 - 120
3 & 4 Methylphenol	0.35	U	3.55	2.98		mg/Kg	☼	84	61 - 120
Acenaphthene	0.35	U	3.55	3.01		mg/Kg	☼	85	65 - 120
Acenaphthylene	0.35	U	3.55	3.19		mg/Kg	☼	90	64 - 120
Anthracene	0.35	U	3.55	3.03		mg/Kg	☼	85	67 - 120
Benzo[a]anthracene	0.035	U	3.55	2.99		mg/Kg	☼	84	66 - 120
Benzo[a]pyrene	0.035	U	3.55	3.19		mg/Kg	☼	90	73 - 123
Benzo[b]fluoranthene	0.035	U	3.55	3.10		mg/Kg	☼	87	70 - 125
Benzo[g,h,i]perylene	0.022	J	3.55	3.29		mg/Kg	☼	92	66 - 120
Benzo[k]fluoranthene	0.035	U	3.55	3.10		mg/Kg	☼	87	67 - 122
Chrysene	0.35	U	3.55	2.97		mg/Kg	☼	84	67 - 120
Dibenz(a,h)anthracene	0.035	U	3.55	3.02		mg/Kg	☼	85	66 - 128
Dibenzofuran	0.35	U	3.55	2.95		mg/Kg	☼	83	61 - 120
Fluoranthene	0.35	U	3.55	3.17		mg/Kg	☼	89	61 - 120
Fluorene	0.35	U	3.55	3.09		mg/Kg	☼	87	64 - 120
Hexachlorobenzene	0.035	U	3.55	2.96		mg/Kg	☼	83	66 - 120
Indeno[1,2,3-cd]pyrene	0.035	U	3.55	3.20		mg/Kg	☼	90	71 - 137
Naphthalene	0.35	U	3.55	2.87		mg/Kg	☼	81	63 - 120
Pentachlorophenol	0.28	U	7.11	6.07		mg/Kg	☼	85	61 - 126
Phenanthrene	0.35	U	3.55	3.01		mg/Kg	☼	85	66 - 120
Phenol	0.35	U	3.55	2.92		mg/Kg	☼	82	63 - 120
Pyrene	0.35	U	3.55	2.96		mg/Kg	☼	83	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*83*		*24 - 137*
2-Fluorobiphenyl	*77*		*38 - 128*
2-Fluorophenol (Surr)	*81*		*31 - 133*
Nitrobenzene-d5 (Surr)	*76*		*31 - 120*
Phenol-d5 (Surr)	*83*		*35 - 132*
Terphenyl-d14 (Surr)	*78*		*44 - 147*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-314006-A-2-D MSD
Matrix: Solid
Analysis Batch: 1003678

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003600

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.035	U	3.56	2.10		mg/Kg	☼	59	27 - 120	1	30
2-Methylphenol	0.35	U	3.56	2.88		mg/Kg	☼	81	63 - 120	4	30
3 & 4 Methylphenol	0.35	U	3.56	2.85		mg/Kg	☼	80	61 - 120	4	30
Acenaphthene	0.35	U	3.56	2.95		mg/Kg	☼	83	65 - 120	2	30
Acenaphthylene	0.35	U	3.56	3.18		mg/Kg	☼	89	64 - 120	0	30
Anthracene	0.35	U	3.56	3.03		mg/Kg	☼	85	67 - 120	0	30
Benzo[a]anthracene	0.035	U	3.56	3.01		mg/Kg	☼	85	66 - 120	1	30
Benzo[a]pyrene	0.035	U	3.56	3.18		mg/Kg	☼	89	73 - 123	0	30
Benzo[b]fluoranthene	0.035	U	3.56	3.20		mg/Kg	☼	90	70 - 125	3	30
Benzo[g,h,i]perylene	0.022	J	3.56	3.32		mg/Kg	☼	93	66 - 120	1	30
Benzo[k]fluoranthene	0.035	U	3.56	3.11		mg/Kg	☼	87	67 - 122	0	30
Chrysene	0.35	U	3.56	2.95		mg/Kg	☼	83	67 - 120	1	30
Dibenz(a,h)anthracene	0.035	U	3.56	3.04		mg/Kg	☼	85	66 - 128	1	30
Dibenzofuran	0.35	U	3.56	2.88		mg/Kg	☼	81	61 - 120	3	30
Fluoranthene	0.35	U	3.56	3.06		mg/Kg	☼	86	61 - 120	3	30
Fluorene	0.35	U	3.56	2.99		mg/Kg	☼	84	64 - 120	3	30
Hexachlorobenzene	0.035	U	3.56	3.01		mg/Kg	☼	85	66 - 120	2	30
Indeno[1,2,3-cd]pyrene	0.035	U	3.56	3.16		mg/Kg	☼	89	71 - 137	1	30
Naphthalene	0.35	U	3.56	2.82		mg/Kg	☼	79	63 - 120	2	30
Pentachlorophenol	0.28	U	7.11	5.95		mg/Kg	☼	84	61 - 126	2	30
Phenanthrene	0.35	U	3.56	2.95		mg/Kg	☼	83	66 - 120	2	30
Phenol	0.35	U	3.56	2.84		mg/Kg	☼	80	63 - 120	3	30
Pyrene	0.35	U	3.56	3.09		mg/Kg	☼	87	61 - 121	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*24 - 137*
2-Fluorobiphenyl	*76*		*38 - 128*
2-Fluorophenol (Surr)	*77*		*31 - 133*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*
Phenol-d5 (Surr)	*80*		*35 - 132*
Terphenyl-d14 (Surr)	*79*		*44 - 147*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1003381/1-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1003381/1-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		10/24/24 18:10	10/25/24 09:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*20 - 150*	*10/24/24 18:10*	*10/25/24 09:25*	*1*
DCB Decachlorobiphenyl	*62*		*20 - 150*	*10/24/24 18:10*	*10/25/24 09:25*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*10/24/24 18:10*	*10/25/24 09:25*	*1*
Tetrachloro-m-xylene	*90*		*20 - 150*	*10/24/24 18:10*	*10/25/24 09:25*	*1*

Lab Sample ID: LCS 460-1003381/2-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003381

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.441		mg/Kg		132	54 - 136		
Aroclor 1016			0.333	0.418		mg/Kg		126	54 - 136		
Aroclor 1260			0.333	0.440		mg/Kg		132	53 - 145		
Aroclor 1260			0.333	0.430		mg/Kg		129	53 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*20 - 150*
DCB Decachlorobiphenyl	*75*		*20 - 150*
Tetrachloro-m-xylene	*114*		*20 - 150*
Tetrachloro-m-xylene	*106*		*20 - 150*

Lab Sample ID: LCSD 460-1003381/3-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003381

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.352		mg/Kg		106	54 - 136	23	30
Aroclor 1016			0.333	0.333		mg/Kg		100	54 - 136	23	30
Aroclor 1260			0.333	0.344		mg/Kg		103	53 - 145	25	30
Aroclor 1260			0.333	0.335		mg/Kg		101	53 - 145	25	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*20 - 150*
DCB Decachlorobiphenyl	*68*		*20 - 150*
Tetrachloro-m-xylene	*103*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1003381/3-A
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1003381

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	*95*		*20 - 150*

Lab Sample ID: 460-313962-A-1-B MS
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003381

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.067	U	0.334	0.331		mg/Kg	☼	99	54 - 136
Aroclor 1016	0.067	U	0.334	0.317		mg/Kg	☼	95	54 - 136
Aroclor 1260	0.067	U	0.334	0.318		mg/Kg	☼	95	53 - 145
Aroclor 1260	0.067	U	0.334	0.319		mg/Kg	☼	95	53 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	*52*		*20 - 150*
DCB Decachlorobiphenyl	*48*		*20 - 150*
Tetrachloro-m-xylene	*61*		*20 - 150*
Tetrachloro-m-xylene	*56*		*20 - 150*

Lab Sample ID: 460-313962-A-1-C MSD
Matrix: Solid
Analysis Batch: 1003434

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003381

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.067	U	0.334	0.320		mg/Kg	☼	96	54 - 136	3	30
Aroclor 1016	0.067	U	0.334	0.304		mg/Kg	☼	91	54 - 136	4	30
Aroclor 1260	0.067	U	0.334	0.322		mg/Kg	☼	96	53 - 145	1	30
Aroclor 1260	0.067	U	0.334	0.308		mg/Kg	☼	92	53 - 145	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	*61*		*20 - 150*
DCB Decachlorobiphenyl	*57*		*20 - 150*
Tetrachloro-m-xylene	*69*		*20 - 150*
Tetrachloro-m-xylene	*63*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1004018/1-A
Matrix: Solid
Analysis Batch: 1004122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1004018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	U	1.0	0.10	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Barium	2.0	U	2.0	0.15	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Chromium	2.0	U	2.0	0.91	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Copper	2.0	U	2.0	0.37	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Lead	0.60	U	0.60	0.20	mg/Kg		10/29/24 06:27	10/29/24 12:37	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1004018/1-A
Matrix: Solid
Analysis Batch: 1004122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1004018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	4.0	U	4.0	0.40	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Nickel	2.0	U	2.0	0.47	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Selenium	1.3	U	1.3	0.13	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Silver	0.40	U	0.40	0.089	mg/Kg		10/29/24 06:27	10/29/24 12:37	1
Zinc	8.0	U	8.0	3.1	mg/Kg		10/29/24 06:27	10/29/24 12:37	1

Lab Sample ID: LCSSRM 460-1004018/2-A ^3
Matrix: Solid
Analysis Batch: 1004122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1004018

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	242	245.9		mg/Kg		101.6	81.8 - 118.6
Barium	295	311.6		mg/Kg		105.6	81.7 - 118.3
Beryllium	160	147.2		mg/Kg		92.0	82.5 - 117.5
Cadmium	84.3	87.98		mg/Kg		104.4	82.2 - 117.8
Chromium	213	219.8		mg/Kg		103.2	81.2 - 119.2
Copper	195	201.2		mg/Kg		103.2	83.1 - 116.9
Lead	194	199.0		mg/Kg		102.6	82.0 - 118.6
Manganese	264	260.1		mg/Kg		98.5	80.7 - 118.9
Nickel	298	310.4		mg/Kg		104.2	82.2 - 117.8
Selenium	272	288.5		mg/Kg		106.1	80.1 - 119.5
Silver	76.7	76.81		mg/Kg		100.1	79.5 - 120.5
Zinc	236	240.1		mg/Kg		101.8	80.1 - 120.3

Lab Sample ID: 460-313620-E-4-G MS
Matrix: Solid
Analysis Batch: 1004122

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1004018

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	3.0		10.3	10.97		mg/Kg	☼	77	75 - 125
Barium	53.1		10.3	64.06	4	mg/Kg	☼	106	75 - 125
Beryllium	0.62		5.15	4.51		mg/Kg	☼	76	75 - 125
Cadmium	1.0	U	5.15	4.12		mg/Kg	☼	80	75 - 125
Chromium	8.3		10.3	17.90		mg/Kg	☼	94	75 - 125
Copper	3.5		10.3	11.51		mg/Kg	☼	78	75 - 125
Lead	2.8		5.15	7.07		mg/Kg	☼	84	75 - 125
Manganese	85.5		51.5	115.3	N	mg/Kg	☼	58	75 - 125
Nickel	6.8		10.3	14.95		mg/Kg	☼	80	75 - 125
Selenium	1.3	U	10.3	8.19		mg/Kg	☼	80	75 - 125
Silver	0.41	U	5.15	3.97		mg/Kg	☼	77	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-313620-E-4-G MS
Matrix: Solid
Analysis Batch: 1004122

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1004018

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	21.2		51.5	61.59		mg/Kg	☼	78	75 - 125

Lab Sample ID: 460-313620-E-4-F DU
Matrix: Solid
Analysis Batch: 1004122

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1004018

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	3.0		3.16		mg/Kg	☼	5	20
Barium	53.1		55.57		mg/Kg	☼	4	20
Beryllium	0.62		0.638		mg/Kg	☼	3	20
Cadmium	1.0	U	1.0	U	mg/Kg	☼	NC	20
Chromium	8.3		8.65		mg/Kg	☼	4	20
Copper	3.5		3.69		mg/Kg	☼	6	20
Lead	2.8		2.80		mg/Kg	☼	1	20
Manganese	85.5		68.42	*	mg/Kg	☼	22	20
Nickel	6.8		7.09		mg/Kg	☼	5	20
Selenium	1.3	U	1.3	U	mg/Kg	☼	NC	20
Silver	0.41	U	0.41	U	mg/Kg	☼	NC	20
Zinc	21.2		23.85		mg/Kg	☼	12	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1003981/10-A
Matrix: Solid
Analysis Batch: 1004024

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1003981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		10/29/24 00:49	10/29/24 04:14	1

Lab Sample ID: LCSSRM 460-1003981/11-A ^40
Matrix: Solid
Analysis Batch: 1004024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1003981

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	22.50		mg/Kg		98.7	70.6 - 129.4

Lab Sample ID: 460-313445-A-2-H MS
Matrix: Solid
Analysis Batch: 1004024

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1003981

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.042		0.0843	0.138		mg/Kg	☼	114	80 - 120

Lab Sample ID: 460-313445-A-2-I MSD
Matrix: Solid
Analysis Batch: 1004024

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1003981

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.042		0.0843	0.135		mg/Kg	☼	111	80 - 120	2	20

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-313445-A-2-G DU
Matrix: Solid
Analysis Batch: 1004024

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1003981

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.042			0.0437		mg/Kg	☼			4	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-313887-A-8 DU
Matrix: Solid
Analysis Batch: 1003368

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	3.6			2.0	*	%				58	20
Percent Solids	96.4			98.0		%				2	20

GC/MS VOA

Prep Batch: 1003325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	5035	
460-314078-2	SB-6_(0-2)	Total/NA	Solid	5035	
460-314078-3	SB-6_(9-11)	Total/NA	Solid	5035	
LB3 460-1003325/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1003813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-2	SB-6_(0-2)	Total/NA	Solid	8260D	1003325
460-314078-3	SB-6_(9-11)	Total/NA	Solid	8260D	1003325
LB3 460-1003325/1-A	Method Blank	Total/NA	Solid	8260D	1003325
MB 460-1003813/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1003813/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1003813/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1003940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	8260D	1003325
MB 460-1003940/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-1003940/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1003940/6	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1003600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	3546	
460-314078-2	SB-6_(0-2)	Total/NA	Solid	3546	
460-314078-3	SB-6_(9-11)	Total/NA	Solid	3546	
MB 460-1003600/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1003600/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1003600/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-314006-A-2-C MS	Matrix Spike	Total/NA	Solid	3546	
460-314006-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1003678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	8270E	1003600
460-314078-2	SB-6_(0-2)	Total/NA	Solid	8270E	1003600
460-314078-3	SB-6_(9-11)	Total/NA	Solid	8270E	1003600
MB 460-1003600/1-A	Method Blank	Total/NA	Solid	8270E	1003600
LCS 460-1003600/2-A	Lab Control Sample	Total/NA	Solid	8270E	1003600
LCSD 460-1003600/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1003600
460-314006-A-2-C MS	Matrix Spike	Total/NA	Solid	8270E	1003600
460-314006-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1003600

GC Semi VOA

Prep Batch: 1003381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-2	SB-6_(0-2)	Total/NA	Solid	3546	
MB 460-1003381/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1003381/2-A	Lab Control Sample	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1003381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-1003381/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-313962-A-1-B MS	Matrix Spike	Total/NA	Solid	3546	
460-313962-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1003434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-2	SB-6_(0-2)	Total/NA	Solid	8082A	1003381
MB 460-1003381/1-A	Method Blank	Total/NA	Solid	8082A	1003381
LCS 460-1003381/2-A	Lab Control Sample	Total/NA	Solid	8082A	1003381
LCSD 460-1003381/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1003381
460-313962-A-1-B MS	Matrix Spike	Total/NA	Solid	8082A	1003381
460-313962-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1003381

Metals

Prep Batch: 1003981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	7471B	
460-314078-2	SB-6_(0-2)	Total/NA	Solid	7471B	
460-314078-3	SB-6_(9-11)	Total/NA	Solid	7471B	
MB 460-1003981/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1003981/11-A ^40	Lab Control Sample	Total/NA	Solid	7471B	
460-313445-A-2-H MS	Matrix Spike	Total/NA	Solid	7471B	
460-313445-A-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-313445-A-2-G DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 1004018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	3050B	
460-314078-2	SB-6_(0-2)	Total/NA	Solid	3050B	
460-314078-3	SB-6_(9-11)	Total/NA	Solid	3050B	
MB 460-1004018/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1004018/2-A ^3	Lab Control Sample	Total/NA	Solid	3050B	
460-313620-E-4-G MS	Matrix Spike	Total/NA	Solid	3050B	
460-313620-E-4-F DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 1004024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	7471B	1003981
460-314078-2	SB-6_(0-2)	Total/NA	Solid	7471B	1003981
460-314078-3	SB-6_(9-11)	Total/NA	Solid	7471B	1003981
MB 460-1003981/10-A	Method Blank	Total/NA	Solid	7471B	1003981
LCSSRM 460-1003981/11-A ^40	Lab Control Sample	Total/NA	Solid	7471B	1003981
460-313445-A-2-H MS	Matrix Spike	Total/NA	Solid	7471B	1003981
460-313445-A-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	1003981
460-313445-A-2-G DU	Duplicate	Total/NA	Solid	7471B	1003981

Analysis Batch: 1004122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	6020B	1004018
460-314078-2	SB-6_(0-2)	Total/NA	Solid	6020B	1004018

Metals (Continued)

Analysis Batch: 1004122 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-3	SB-6_(9-11)	Total/NA	Solid	6020B	1004018
MB 460-1004018/1-A	Method Blank	Total/NA	Solid	6020B	1004018
LCSSRM 460-1004018/2-A ^3	Lab Control Sample	Total/NA	Solid	6020B	1004018
460-313620-E-4-G MS	Matrix Spike	Total/NA	Solid	6020B	1004018
460-313620-E-4-F DU	Duplicate	Total/NA	Solid	6020B	1004018

General Chemistry

Analysis Batch: 1003368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-314078-1	SB-3_(8-10)	Total/NA	Solid	Moisture	
460-314078-2	SB-6_(0-2)	Total/NA	Solid	Moisture	
460-314078-3	SB-6_(9-11)	Total/NA	Solid	Moisture	
460-313887-A-8 DU	Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: SB-3_(8-10) — **Lab Sample ID: 460-314078-1**
Date Collected: 10/23/24 08:45 — **Matrix: Solid**
Date Received: 10/23/24 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1003368	CJC	EET EDI	10/24/24 17:05

Client Sample ID: SB-3_(8-10) — **Lab Sample ID: 460-314078-1**
Date Collected: 10/23/24 08:45 — **Matrix: Solid**
Date Received: 10/23/24 18:45 — **Percent Solids: 98.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1003325	MXW	EET EDI	10/24/24 14:31
Total/NA	Analysis	8260D		1	1003940	AAT	EET EDI	10/28/24 20:52
Total/NA	Prep	3546			1003600	GXY	EET EDI	10/25/24 20:03
Total/NA	Analysis	8270E		1	1003678	YAH	EET EDI	10/26/24 20:46
Total/NA	Prep	3050B			1004018	FBT	EET EDI	10/29/24 06:27
Total/NA	Analysis	6020B		1	1004122	JKF	EET EDI	10/29/24 13:51
Total/NA	Prep	7471B			1003981	TJS	EET EDI	10/29/24 00:49
Total/NA	Analysis	7471B		1	1004024	TJS	EET EDI	10/29/24 04:49

Client Sample ID: SB-6_(0-2) — **Lab Sample ID: 460-314078-2**
Date Collected: 10/23/24 11:15 — **Matrix: Solid**
Date Received: 10/23/24 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1003368	CJC	EET EDI	10/24/24 17:05

Client Sample ID: SB-6_(0-2) — **Lab Sample ID: 460-314078-2**
Date Collected: 10/23/24 11:15 — **Matrix: Solid**
Date Received: 10/23/24 18:45 — **Percent Solids: 99.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1003325	MXW	EET EDI	10/24/24 14:32
Total/NA	Analysis	8260D		1	1003813	AAT	EET EDI	10/28/24 10:38
Total/NA	Prep	3546			1003600	GXY	EET EDI	10/25/24 20:03
Total/NA	Analysis	8270E		1	1003678	YAH	EET EDI	10/27/24 00:39
Total/NA	Prep	3546			1003381	ARA	EET EDI	10/24/24 18:10
Total/NA	Analysis	8082A		1	1003434	JHP	EET EDI	10/25/24 18:47
Total/NA	Prep	3050B			1004018	FBT	EET EDI	10/29/24 06:27
Total/NA	Analysis	6020B		1	1004122	JKF	EET EDI	10/29/24 13:54
Total/NA	Prep	7471B			1003981	TJS	EET EDI	10/29/24 00:49
Total/NA	Analysis	7471B		5	1004024	TJS	EET EDI	10/29/24 06:54

Client Sample ID: SB-6_(9-11) — **Lab Sample ID: 460-314078-3**
Date Collected: 10/23/24 11:45 — **Matrix: Solid**
Date Received: 10/23/24 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1003368	CJC	EET EDI	10/24/24 17:05

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-314078-1
Project/Site: 264 Butler

Client Sample ID: SB-6_(9-11)
Lab Sample ID: 460-314078-3
Date Collected: 10/23/24 11:45
Matrix: Solid
Date Received: 10/23/24 18:45
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1003325	MXW	EET EDI	10/24/24 14:33
Total/NA	Analysis	8260D		1	1003813	AAT	EET EDI	10/28/24 11:02
Total/NA	Prep	3546			1003600	GXY	EET EDI	10/25/24 20:03
Total/NA	Analysis	8270E		1	1003678	YAH	EET EDI	10/26/24 21:33
Total/NA	Prep	3050B			1004018	FBT	EET EDI	10/29/24 06:27
Total/NA	Analysis	6020B		1	1004122	JKF	EET EDI	10/29/24 13:56
Total/NA	Prep	7471B			1003981	TJS	EET EDI	10/29/24 00:49
Total/NA	Analysis	7471B		1	1004024	TJS	EET EDI	10/29/24 04:57

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-314078-1
Project/Site: 264 Butler

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-314078-1
Project/Site: 264 Butler

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-314078-1
Project/Site: 264 Butler

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-314078-1	SB-3_(8-10)	Solid	10/23/24 08:45	10/23/24 18:45
460-314078-2	SB-6_(0-2)	Solid	10/23/24 11:15	10/23/24 18:45
460-314078-3	SB-6_(9-11)	Solid	10/23/24 11:45	10/23/24 18:45

Chain of Custody Record

686056

eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Jack Rusk	Site Contact: Ben Weintraub	Date: 10/23/24	COC No:
Company Name: Roux	Tel/Email: 8459056286 jrusk@rouxinc.com	Lab Contact:	Carrier:	_____ of _____ COCs
Address: 209 Shafter St.	Analysis Turnaround Time (CAM)			Sampler:
City/State/Zip: Islandia NY 11749	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 631 232 2600	TAT if different from Below: Standard			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: 264 Butler				Job / SDG No.: 314078
Site:				
PO #: 4442.0003(000)				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260D VOC	8270E SVOC	6020B Metals	7471B Mercury	8082A PCBs	Sample Specific Notes:
SB-3_(8-10)	10/23/24	0845	G	S	5	N	N	X	X	X	X		
SB-6_(0-2)	↓	1115	G	S	6	N	N	↓	↓	↓	↓	X	
SB-6_(9-11)	↓	1145	G	S	5	N	N	↓	↓	↓	↓		

SHORT HOLD

460-314078 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Ben Weintraub	Roux			EET	10-23-24 14:20
Relinquished by	Company: EET 10-23-24	Date/Time: 1845	Received by:	Company: EET	Date/Time: 10/23/24 1845
Relinquished by	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

10/23 ER # 2.6/2.8

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10/29/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 314078

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.6 °C	2.8 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 10-23-24

EDS-WI-038, Rev 4.1
10/22/2019

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-314078-1

Login Number: 314078

List Source: Eurofins Edison

List Number: 1

Creator: Thundathorn, Sukanan 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	