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New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Solid Waste and Corrective Action
625 Broadway
Albany, New York
12233-7015

Revised 2024 Annual Sampling Event Results/Periodic Review Report
Operable Unit 5, RUCO Polymer Corp., Hicksville, NY

Dear Mr. Scharf

1. Introduction

A Final Engineering Report (FER) for off-site soil vapor assessment and remediation, designated Operable Unit 05 (OU5), associated with the RUCO Polymer Corp. (RUCO) Site in Hicksville, New York, was submitted to the New York State Department of Environmental Conservation (NYSDEC) on June 10, 2020 (Revision No. 1). The FER provided construction details of the six Sub-Slab Depressurization (SSD) systems installed beneath the Simone Enterprises building located at 1 Enterprise Place, and associated operation and monitoring data collected since installation of the SSD systems through 2019 as required by the Remedial Design (RD) dated January 16, 2018. Approval of the FER and a Certificate of Completion was issued by NYSDEC via letter dated November 30, 2021. Figure 1 shows the layout of the area, including the building and the Ruco property. Figure 2 shows the 1 Enterprise Place building area and the locations of the six SSD systems.

A Site Management Plan (SMP) was submitted to the NYSDEC on February 9, 2021 (Revision No. 3) and approved on June 24, 2021. The SMP provides procedures for operation, maintenance, and monitoring of the six SSD systems.

This report presents a summary of operations and monitoring conducted in 2024 regarding the SSD systems in accordance with the approved SMP.

2. Interim Sampling

As proposed in the "Revised 2023 Annual Sampling Event Results/Periodic Review Report", dated May 22, 2024 (2023 Report), an interim sampling event was conducted in the summer of 2024. The purpose of the interim sampling was to determine current indoor air concentrations and sub-slab vapor concentrations beneath

the building following a temporary shutdown of the six SSD systems. The New York State Department of Environmental Conservation (NYSDEC) approved the interim sampling via letter dated May 29, 2024.

The six SSD systems were shut down and capped on July 3, 2024. Sub-slab vapor samples were collected from locations near historical sub-slab sampling locations SSV-4, SSV-5, and SSV-6. A vapor probe (SV-1) was previously installed near SSV-5 and was used for this interim sampling event. New vapor probes (SV-2 and SV-3) were installed near SSV-4 and SSV-6 using the same protocols for installation of SV-1. The vapor probes were installed on August 16, 2024. Samples were collected on August 30, 2024.

Indoor air samples were collected at the locations used for the indoor air sampling event conducted in 2020 (near SSV-4, SSV-5, and SSV-6). This event included the collection of an outdoor air sample as well.

The results of the sampling were presented in a letter report submitted to NYSDEC on October 31, 2024. A copy of the report is presented in Attachment 1. The soil vapor and indoor air sampling results indicated that further mitigation to address sub-slab vapor concentrations of primarily tetrachloroethylene (PCE) was required in the vicinity of SSD-1, SSD-2, SSD-3, and SSD-4. Mitigation in the SSD-5 and SSD-6 area was not required based on the soil vapor and indoor air sampling results; however, these two SSDs will be returned to operation. As such, the SSDs were returned to operation on November 15, 2024.

The following was recommended:

- Continue passive operation of the six SSD systems.
- Continue annual sampling of the six SSD systems and VP-46 in accordance with the SMP.
- Consider future interim sampling events when PCE and TCE concentrations decrease.
- When concentration decreases are indicative of meeting no further action per the Matrices, implement shut down as proposed in the 2023 Report.

3. SSD System Monitoring

3.1 Inspections

As required by the SMP, inspections of the SSD systems were completed on a quarterly basis in 2024. The inspections consisted of visual inspections of the exterior piping to check for damage and of the turbines to check if they are rotating. Also, auditory inspections of the wind turbines were made to determine if the turbines required lubrication. The inspections were completed on March 15th, June 14th, August 19th, and December 20th. All systems were observed to be functioning in accordance with the RD.

3.2 Field Measurements

As required by the SMP, field measurements were obtained during the annual sampling event conducted on December 20, 2024. The monitoring was conducted via the sampling ports on each SSD system. Flow rate, vacuum, and relative volatile organic compound (VOC) vapor concentrations were measured. VOCs were monitored using a photoionization detector (PID). These data are presented in Table 1 below and include the data measured since 2021 for comparison.

Table 1 *SSD System Measurements*

SSD System	VOCs (parts per million)				Flow Rate (cubic feet per minute)				Vacuum			
	2021	2022	2023	2024	2021	2022	2023	2024	2021	2022	2023	2024
SSD-1	0.1	0.4	1.2	0	21	24	29	7	-0.021	-0.018	-0.021	-0.008
SSD-2	0	0.3	0.4	0	19	20	28	9	-0.034	-0.017	-0.019	-0.012
SSD-3	0	0.4	0.3	1.0	19	25	35	8	-0.021	-0.004	-0.019	-0.011
SSD-4	0.3	1.1	1.3	0.7	14	21	23	8	-0.009	-0.008	-0.009	-0.009
SSD-5	0.1	0.2	0.5	0.5	24	11	34	8	-0.018	-0.005	-0.02	-0.021
SSD-6	0	0.3	0.4	0.6	22	18	25	10	-0.003	-0.001	-0.005	-0.015

The measurements collected indicate that air is moving through the pipe and that a vacuum has been induced in the horizontal system as indicated by the negative pressure readings in Table 1.

The air flowrate and soil pore volume exchanges for each SSD system based on the field measurements are summarized in Table 2 below. Data since 2020 are included for comparison.

Table 2 *SSD System Flow and Volume Summary*

SSD System	Average Air Flow Rate (cubic feet per day)					Soil Pore Volume Exchanges per day				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
SSD-1	25,920	30,240	34,560	41,760	10080	1.7	2.0	2.3	2.8	0.7
SSD-2	30,240	27,360	28,800	40,320	12960	2.0	1.8	1.9	2.7	0.9
SSD-3	20,160	27,360	36,000	50,400	11520	1.3	1.8	2.4	3.4	0.8
SSD-4	17,280	20,160	30,240	33,120	11520	1.2	1.3	2.0	2.2	0.8
SSD-5	54,728	24,560	15,840	48,960	11520	3.8	2.3	1.1	3.3	0.8
SSD-6	37,440	31,680	25,920	36,000	14400	2.5	2.1	1.7	2.4	1.0

The above soil pore volume exchanges are essentially within or above the anticipated range of 1.2 to 2.1 pore volume exchanges as stated in the RD, although the pore volume exchanges were slightly lower than this range in 2024 due very little wind on the day of measurement.

3.3 Sample Collection and Analysis

Six samples were collected from the SSD systems on December 20, 2024 and analyzed for VOCs, in accordance with the schedule and procedures specified in the SMP. Results of this sampling event are presented in Table 3. The laboratory report is presented in Attachment 2 and a data validation memorandum is presented in Attachment 3. The data were found to be acceptable with the qualifications noted.

Table 4 presents a summary of trichloroethylene (TCE) and PCE concentrations in the samples collected from the SSD systems.

TCE and PCE concentrations in SSD-1 have been very low over time; however, the concentration of PCE increased in 2023 but decreased to non-detect in 2024.

TCE and PCE concentrations in SSD-2, SSD-3, and SSD-6 were generally consistent with the concentrations observed since 2021 but decreased in 2024.

TCE and PCE concentrations in SSD-4 and SSD-5 in 2023 were higher than those observed since 2021 but decreased by an order of magnitude in 2024.

4. Off-Site Soil Vapor Sampling

The SMP required annual sampling of off-Site soil vapor monitoring locations VP-41, VP-42R, and VP-46. Based on the sampling results presented in the 2022 Annual Sampling Event Results/Periodic Review Report, NYSDEC indicated in a July 6, 2023 email that sampling of VP-41, VP-42R could be discontinued. Therefore, a sample was only collected from off-Site soil vapor monitoring location VP-46. The sample was collected on December 20, 2024. The sample was collected in accordance with the procedures specified in the SMP. Results of this sampling are presented in Table 5. The laboratory report is presented in Attachment 2 and a data validation memorandum is presented in Attachment 3. The data were found to be acceptable with the qualifications noted.

The current and previous analytical results for samples collected from 2014 through 2023 at VP-46 for PCE and TCE are summarized in Table 6.

TCE was detected at a concentration of $1.5 \mu\text{g}/\text{m}^3$ in VP-46 in December 2024. TCE was previously detected in VP-46 at low concentrations or not detected.

PCE was detected at a concentration of $310 \mu\text{g}/\text{m}^3$ (VP-46), slightly higher than $140 \mu\text{g}/\text{m}^3$ in 2023. The PCE concentration in VP-46 in 2022 ($0.23 \mu\text{g}/\text{m}^3$) was the lowest detected since 2014. Previous PCE concentrations ranged between ($20 \mu\text{g}/\text{m}^3$ to $690 \mu\text{g}/\text{m}^3$). These results are consistent with the FER's conclusion that there is general decreasing concentration trend in VP-46, although some fluctuation is occurring.

5. Recommendations

Based on the above and sampling activities conducted in 2024, the following recommendations are made:

- Continue passive operation of the six SSD systems.
- Continue annual sampling of the six SSD systems and VP-46 in accordance with the SMP.
- Consider future interim sampling events (sub slab vapor and indoor air) when PCE and TCE concentrations decrease.
- When concentration decreases are indicative of meeting no further action per the Matrices, implement shut down as proposed in the 2023 Report.

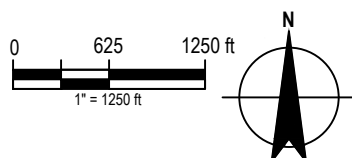
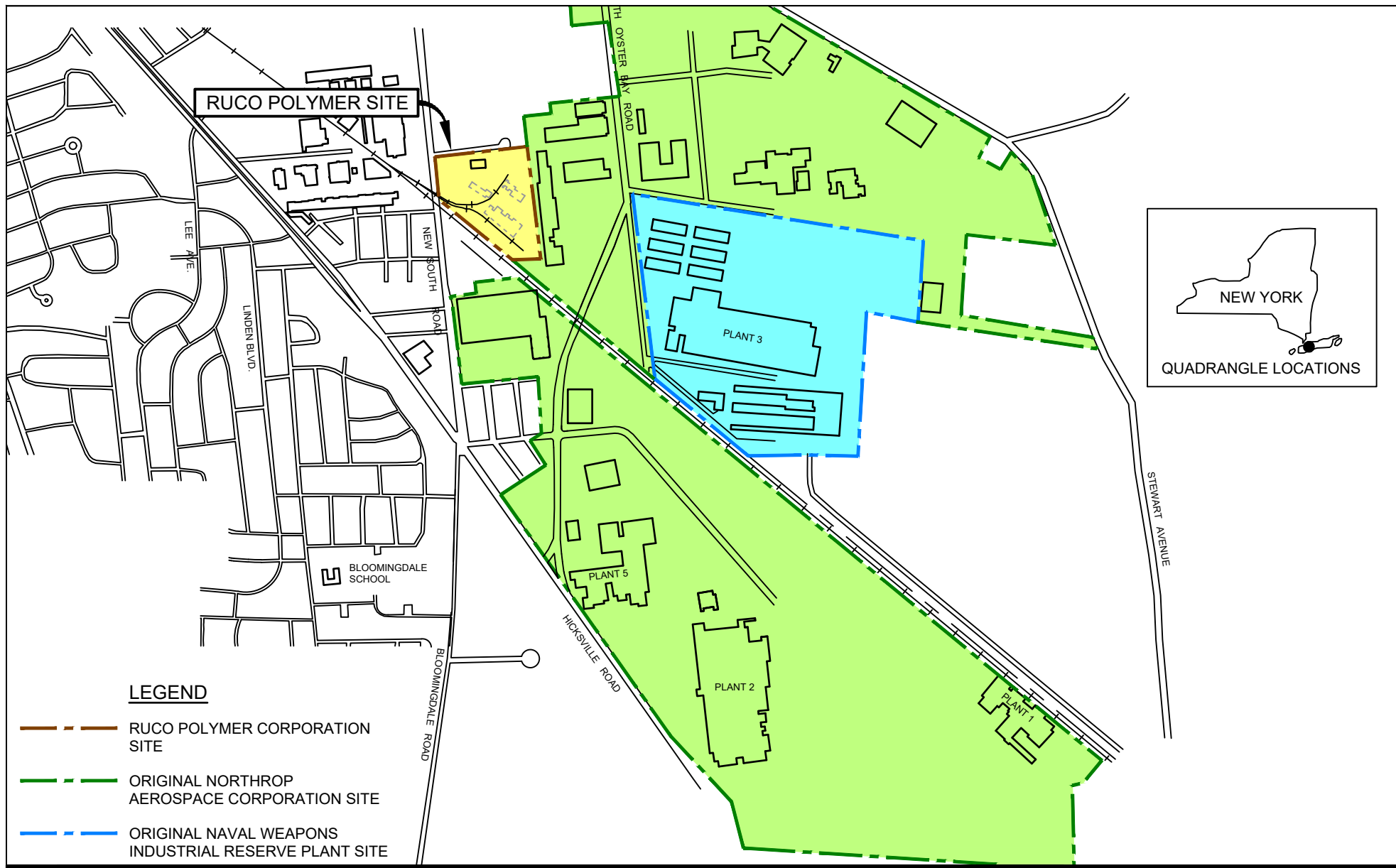
Should you have any questions on the above, please do not hesitate to contact the undersigned at 519-340-4313 or email john.pentilchuk@ghd.com.

Regards



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RUCO POLYMER CORP, SITE
HICKSVILLE, NEW YORK
OU5

Project No. 81618
Date February 2024

SITE LOCATION

FIGURE 1

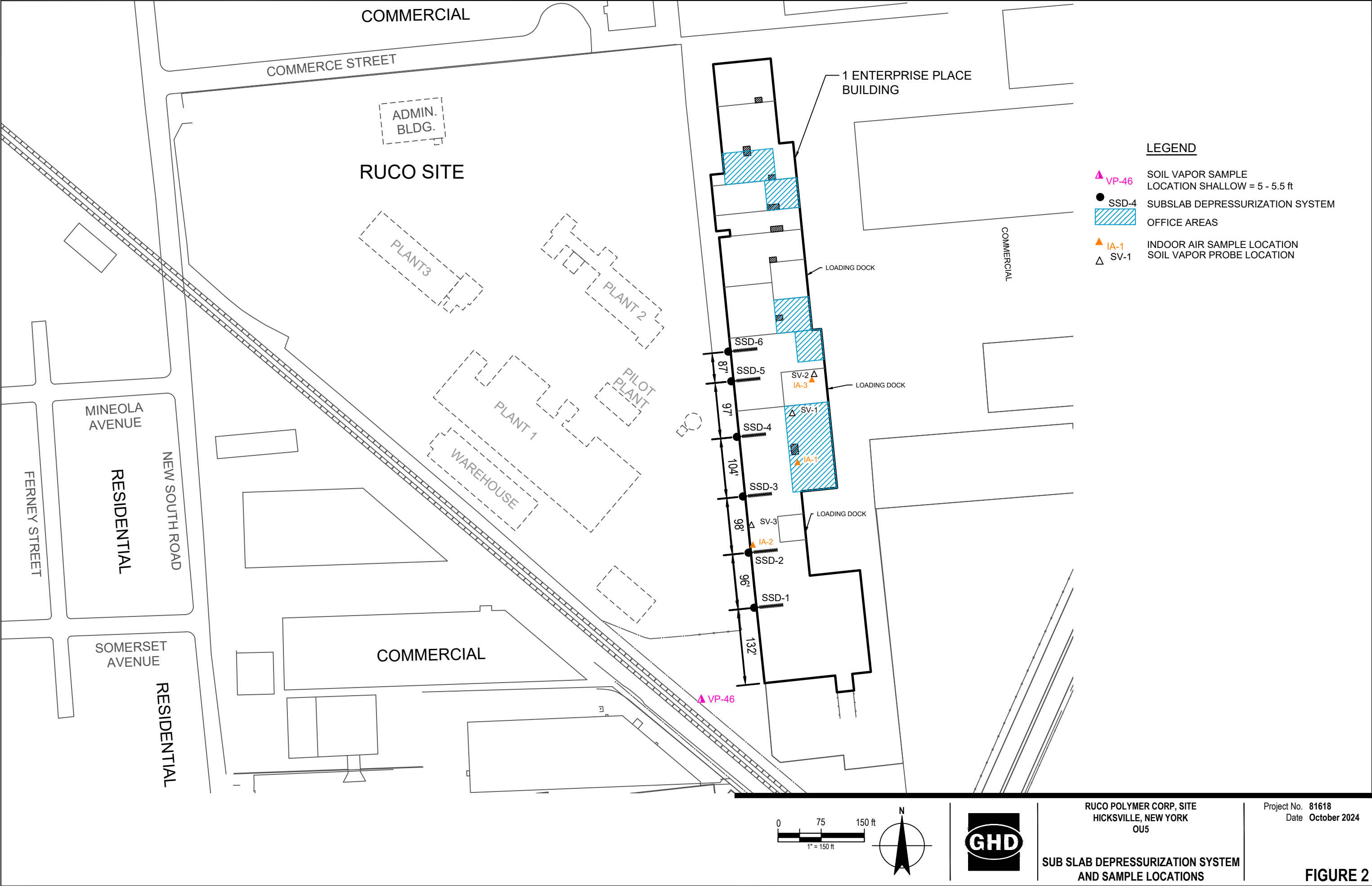


Table 3

Analytical Results Summary
SSDS System Vapor Sampling
One Enterprise Place
Hicksville, New York

	Location ID:	SSD-LEG-1	SSD-LEG-2	SSD-LEG-3	SSD-LEG-4	SSD-LEG-5	SSD-LEG-6
	Sample Name:	SV122024KT002	SV122024KT003	SV122024KT004	SV122024KT005	SV122024KT006	SV122024KT007
	Sample Date:	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024
Parameters	Unit						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/m ³	1.1 U	0.68 J	3.6	0.34 J	0.47 J	1.5
1,1,2,2-Tetrachloroethane	µg/m ³	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	µg/m ³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m ³	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m ³	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2,4-Trichlorobenzene	µg/m ³	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m ³	0.45 J	0.98 U	0.98 U	4.3	0.97 J	0.62 J
1,2-Dibromoethane (Ethylene dibromide)	µg/m ³	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m ³	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m ³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m ³	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	µg/m ³	0.98 U	0.98 U	0.98 U	1.1	0.98 U	0.98 U
1,3-Butadiene	µg/m ³	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m ³	18 U	0.60 J	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m ³	1.2	1.1	0.51 J	1.9	1.2	0.96
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m ³	1.5 U	1.5 U	2.4	8.1	1.5 U	2.3
2-Chlorotoluene	µg/m ³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	µg/m ³	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.78 J
2-Phenylbutane (sec-Butylbenzene)	µg/m ³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Ethyl toluene	µg/m ³	0.98 U	0.98 U	0.98 U	1.1	0.98 U	0.98 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m ³	2.0 U	2.0 U	2.0 U	0.90 J	2.0 U	2.0 U
Acetone	µg/m ³	6.4 J	4.7 J	16	31	8.1 J	15
Allyl chloride	µg/m ³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	µg/m ³	2.1	2.7	54	34	7.8	1.7
Benzyl chloride	µg/m ³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m ³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m ³	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane (Methyl bromide)	µg/m ³	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butane	µg/m ³	2.2	0.50 J	0.97 J	0.84 J	2.1	2.1
Carbon disulfide	µg/m ³	1.6 U	1.6 U	1.6 U	17	1.6 U	0.48 J
Carbon tetrachloride	µg/m ³	0.34	0.32	0.30	0.37	0.38	0.37
Chlorobenzene	µg/m ³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	µg/m ³	1.0 J	0.90 J	0.97 J	0.91 J	1.0 J	1.2 J
Chloroethane	µg/m ³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform (Trichloromethane)	µg/m ³	0.98 U	0.25 J	0.50 J	0.98 U	1.8	2.2

Table 3

Analytical Results Summary
SSDS System Vapor Sampling
One Enterprise Place
Hicksville, New York

	Location ID:	SSD-LEG-1	SSD-LEG-2	SSD-LEG-3	SSD-LEG-4	SSD-LEG-5	SSD-LEG-6
	Sample Name:	SV122024KT002	SV122024KT003	SV122024KT004	SV122024KT005	SV122024KT006	SV122024KT007
	Sample Date:	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024
Chloromethane (Methyl chloride)	µg/m ³	1.2	1.1	0.91 J	3.8	0.77 J	0.67 J
cis-1,2-Dichloroethene	µg/m ³	0.20 U	0.27	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/m ³	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m ³	0.68 J	0.58 J	0.27 J	0.36 J	0.55 J	0.69
Cymene (p-Isopropyltoluene)	µg/m ³	1.1 U	1.1 U	1.1 U	0.66 J	1.1 U	1.1 U
Dibromochloromethane	µg/m ³	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane (CFC-12)	µg/m ³	2.2 J	2.4 J	2.3 J	2.3 J	2.1 J	2.2 J
Ethanol	µg/m ³	7.6 J	9.4 U	10	17	7.6 J	14
Ethylbenzene	µg/m ³	1.0	0.90	0.61 J	2.3	1.3	0.82 J
Hexachlorobutadiene	µg/m ³	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane	µg/m ³	2.1	1.6 J	0.80 J	0.81 J	2.0	1.9
Isopropyl alcohol	µg/m ³	12 U	12 U	6.9 J	3.9 J	12 U	6.9 J
Isopropyl benzene	µg/m ³	0.98 U	0.98 U	0.28 J	3.3	1.8	0.98 U
m&p-Xylenes	µg/m ³	3.6	2.9	1.1 J	8.1	4.5	2.7
Methyl methacrylate	µg/m ³	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert butyl ether (MTBE)	µg/m ³	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene chloride	µg/m ³	0.65 J	1.7 U	1.7 U	1.7 U	1.7 U	0.97 J
N-Butylbenzene	µg/m ³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
N-Heptane	µg/m ³	1.7	1.7	1.1	1.2	2.1	2.0
N-Propylbenzene	µg/m ³	0.98 U	0.98 U	0.98 U	0.76 J	0.98 U	0.98 U
Naphthalene	µg/m ³	2.6 UJ	2.6 UJ	2.6 U	2.6 U	2.6 UJ	2.6 UJ
o-Xylene	µg/m ³	1.1	0.82 J	0.36 J	3.4	1.4	0.91
Styrene	µg/m ³	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
tert-Butyl alcohol	µg/m ³	15 U	15 U	15 U	15 U	15 U	15 U
tert-Butylbenzene	µg/m ³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tetrachloroethene	µg/m ³	1.4 U	170	700	460	170	180
Tetrahydrofuran	µg/m ³	15 U	15 U	15 U	15 U	15 U	15 U
Toluene	µg/m ³	9.0	9.5	9.2	8.0	12	9.2
trans-1,2-Dichloroethene	µg/m ³	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	µg/m ³	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m ³	0.20 U	5.3	3.0	1.3	2.0	2.2
Trichlorofluoromethane (CFC-11)	µg/m ³	1.0 J	1.1	1.6	1.5	1.1	1.1
Trifluorotrichloroethane (CFC-113)	µg/m ³	1.5 U	0.43 J	0.50 J	0.57 J	0.54 J	0.63 J
Vinyl bromide (Bromoethene)	µg/m ³	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	µg/m ³	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

U - Not detected at the associated reporting limit

J - Estimated concentration

µg/m³ - Micrograms per cubic meter

Table 4

TCE and PCE Concentration Comparison Over Time
SSD System Vapor Sampling
One Enterprise Place
Hicksville, New York

Location ⁽¹⁾ : Parameter ⁽²⁾ :	SSD-1		SSD-2		SSD-3		SSD-4		SSD-5		SSD-6	
	PCE	TCE	PCE	TCE	PCE	TCE	PCE	TCE	PCE	TCE	PCE	TCE
Sample Date												
7/11/2018 ⁽³⁾	-	-	-	-	-	-	-	-	280	8.1	-	-
7/18/2018 ⁽⁴⁾	-	-	-	-	-	-	-	-	380	14	-	-
10/23/2018	-	-	-	-	-	-	-	-	4800	65	-	-
2/22/219	-	-	-	-	-	-	-	-	1.2 J	0.60 J	-	-
6/04/2019 ⁽³⁾	5.3 U	4.2 U	5.0 U	4.0 U	5.2 U	4.1 U	3.5 J	0.81 J	NS	NS	5.2 U	1.7 J
6/11/2019 ⁽⁴⁾	11	2.6 J	19	2.2 J	31	3.1 J	24	4.5	13	6.6	19	5.6
10/8/2019	2.1 J	4.8 U	1.9 J	4.6 U	2.7 J	4.5 U	4.6 J	5.1 U	3.2 J	5.1 U	3.0 J	4.9 U
12/19/2019	5.0 U	3.9 U	4.2 UJ	3.3 UJ	4.8 U	3.8 U	5.0 U	4.0 U	4.8 U	3.8 U	4.8 U	3.8 U
12/14/2020	6.5	0.37	0.66 J	0.54	0.62 J	0.38	0.61 J	0.29	0.60 J	0.3	1.0 J	0.37
12/03/2021	72	0.38	370	6.5	8100	59	1900	12	1.4 U	0.13 J	2700	140
12/29/2022	34	0.25	260	8.2	1300	16	1200	14	1100	70	380	21
12/28/2023	1100	2.3	460	7.3	6400	54	4500	37	4700	160	3400	97
12/20/2024	1.4 U	0.20 U	170	5.3	700	3	460	1.3	170	2	180	2.2

Notes:

- (1) - SSD-1 is the southernmost system, SSD-6 is the northernmost system, and SSD-5 is the Phase I system installed in 2018
- (2) - Parameter concentrations are in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)
- (3) - Samples collected immediately prior to start up
- (4) - Samples collected one week after startup
- - SSD not installed
- J - Estimated concentration
- U - Not detected at the associated reporting limit
- NS - Not sampled

Table 5

**Analytical Results Summary
Soil Vapor Probe Sampling
Hicksville, New York**

	Location ID:	VP-46
	Sample Name:	SV122024KT001
	Sample Date:	12/20/2024
Parameters	Unit	
Fixed Gases in Air		
Helium	%v/v	0.41
Volatile Organic Compounds		
1,1,1-Trichloroethane	µg/m ³	1.3
1,1,2,2-Tetrachloroethane	µg/m ³	1.4 U
1,1,2-Trichloroethane	µg/m ³	1.1 U
1,1-Dichloroethane	µg/m ³	0.15 J
1,1-Dichloroethene	µg/m ³	0.20 U
1,2,4-Trichlorobenzene	µg/m ³	3.7 U
1,2,4-Trimethylbenzene	µg/m ³	0.98 U
1,2-Dibromoethane (Ethylene dibromide)	µg/m ³	1.5 U
1,2-Dichlorobenzene	µg/m ³	1.2 U
1,2-Dichloroethane	µg/m ³	0.81 U
1,2-Dichloropropane	µg/m ³	0.92 U
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m ³	1.4 U
1,3,5-Trimethylbenzene	µg/m ³	0.98 U
1,3-Butadiene	µg/m ³	0.44 U
1,3-Dichlorobenzene	µg/m ³	1.2 U
1,4-Dichlorobenzene	µg/m ³	1.2 U
1,4-Dioxane	µg/m ³	18 U
2,2,4-Trimethylpentane	µg/m ³	0.93 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m ³	1.5 U
2-Chlorotoluene	µg/m ³	1.0 U
2-Hexanone	µg/m ³	2.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/m ³	1.1 U
4-Ethyl toluene	µg/m ³	0.98 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m ³	2.0 U
Acetone	µg/m ³	12 U
Allyl chloride	µg/m ³	1.6 U
Benzene	µg/m ³	0.64 U
Benzyl chloride	µg/m ³	1.0 U
Bromodichloromethane	µg/m ³	1.3 U
Bromoform	µg/m ³	2.1 U
Bromomethane (Methyl bromide)	µg/m ³	0.78 U
Butane	µg/m ³	1.2 U
Carbon disulfide	µg/m ³	1.6 U
Carbon tetrachloride	µg/m ³	3.3
Chlorobenzene	µg/m ³	0.92 U
Chlorodifluoromethane	µg/m ³	0.52 J
Chloroethane	µg/m ³	1.3 U
Chloroform (Trichloromethane)	µg/m ³	0.51 J
Chloromethane (Methyl chloride)	µg/m ³	1.0 U
cis-1,2-Dichloroethene	µg/m ³	0.19 J
cis-1,3-Dichloropropene	µg/m ³	0.91 U
Cyclohexane	µg/m ³	0.69 U
Cymene (p-Isopropyltoluene)	µg/m ³	1.1 U
Dibromochloromethane	µg/m ³	1.7 U

**Analytical Results Summary
Soil Vapor Probe Sampling
Hicksville, New York**

	Location ID:	VP-46
	Sample Name:	SV122024KT001
	Sample Date:	12/20/2024
Parameters	Unit	
Dichlorodifluoromethane (CFC-12)	µg/m ³	2.0 J
Ethanol	µg/m ³	9.4 U
Ethylbenzene	µg/m ³	0.87 U
Hexachlorobutadiene	µg/m ³	2.1 U
Hexane	µg/m ³	1.8 U
Isopropyl alcohol	µg/m ³	12 U
Isopropyl benzene	µg/m ³	0.98 U
m&p-Xylenes	µg/m ³	2.2 U
Methyl methacrylate	µg/m ³	2.0 U
Methyl tert butyl ether (MTBE)	µg/m ³	0.72 U
Methylene chloride	µg/m ³	1.7 U
N-Butylbenzene	µg/m ³	1.1 U
N-Heptane	µg/m ³	0.82 U
N-Propylbenzene	µg/m ³	0.98 U
Naphthalene	µg/m ³	2.6 UJ
o-Xylene	µg/m ³	0.87 U
Styrene	µg/m ³	0.85 U
tert-Butyl alcohol	µg/m ³	15 U
tert-Butylbenzene	µg/m ³	1.1 U
Tetrachloroethene	µg/m ³	310
Tetrahydrofuran	µg/m ³	15 U
Toluene	µg/m ³	0.75 U
trans-1,2-Dichloroethene	µg/m ³	0.49 J
trans-1,3-Dichloropropene	µg/m ³	0.91 U
Trichloroethene	µg/m ³	1.5
Trichlorofluoromethane (CFC-11)	µg/m ³	0.94 J
Trifluorotrichloroethane (CFC-113)	µg/m ³	0.43 J
Vinyl bromide (Bromoethene)	µg/m ³	0.87 U
Vinyl chloride	µg/m ³	0.20 U

Notes:

U - Not detected at the associated reporting limit

J - Estimated concentration

µg/m³ - Micrograms per cubic meter

Table 6

**TCE and PCE Concentration Summary
Soil Vapor Probe Sampling
Hicksville, New York**

Location:		VP-46								
Sampe Date:		11/11/2014	12/21/2015	11/7/2018	12/19/2019	12/14/2020	12/3/2021	12/29/2022	12/28/2023	12/20/2024
Parameters	Unit									
Tetrachloroethene	µg/m ³	530	380	690	20	210	59	0.23 J	140	310
Trichloroethene	µg/m ³	7.7	2.9 J	7.1	0.76 J	2.1	0.6	0.20 U	0.95	1.5

Notes:

µg/m³ - Micrograms per cubic meter

J - Estimated concentration

U - Not detected at the associated reporting limit

Attachments

Attachment 1

Interim Sampling Results Report October 31, 2024

GHD Reference No: 081618

31 October 2024

Mr. Steven Scharf
New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Solid Waste and Corrective Action
625 Broadway
Albany, New York
12233-7015

Interim Sampling Results Report
Operable Unit 5, RUCO Polymer Corp., Hicksville, NY

Dear Mr. Scharf

As proposed in the “Revised 2023 Annual Sampling Event Results/Periodic Review Report”, dated May 22, 2024 (2023 Report), an interim sampling event was to be conducted in the summer of 2024 associated with Operable Unit 05 (OU5) at RUCO Polymer Corp. (RUCO) Site in Hicksville, New York. A soil vapor remediation system was installed beneath the building at 1 Enterprise Place as the remedy for OU-5. The remedy consists of six Sub-Slab depressurization (SSD) systems that have been in passive operation since 2018. The locations of the SSD systems are shown on Figure 1. The purpose of the interim sampling was to determine current indoor air concentrations and sub-slab vapor concentrations beneath the building following a temporary shutdown of the six SSD systems. The New York State Department of Environmental Conservation (NYSDEC) approved the interim sampling via letter dated May 29, 2024. The purpose of this letter is to present the results of the interim sampling.

The general scope of the proposed interim sampling was as follows:

- Shut down the SSDs, cap each riser pipe, and allow sub-slab conditions to equilibrate for a period of approximately one-month period.
- Collect sub-slab vapor samples from locations near historical sampling locations SSV-4, SSV-5, and SSV-6.
- Collect indoor air samples at the locations used for the indoor air sampling event conducted in 2020 (which are near SSV-4, SSV-5, and SSV-6).

The purpose of this letter report is to present the results of the interim sampling.

The six SSD systems were shut down and capped on July 3, 2024.

As indicated in the 2023 Report, sub-slab vapor samples were to be collected from locations near historical sub-slab sampling locations SSV-4, SSV-5, and SSV-6. A vapor probe (SV-1) was previously installed near SSV-5 and was used for this interim sampling event. New vapor probes (SV-2 and SV-3) were installed near SSV-4 and SSV-6 using the same protocols for installation of SV-1. The vapor probes were installed on August 16, 2024. The locations of the vapor probes are shown on Figure 1.

Samples were collected on August 30, 2024.

Sub-slab vapor samples were collected from the three soil vapor probes using the protocols utilized for previous sampling of SV-1 (Remedial Design (RD), dated January 16, 2018, and approved by NYSDEC on January 25, 2018).

Indoor air samples were collected at the locations used for the indoor air sampling event conducted in 2020 (near SSV-4, SSV-5, and SSV-6). This event included the collection of an outdoor air sample as well. Sample locations are presented on Figure 1. Sample collection followed protocols previously implemented for indoor air sampling (RD). A building questionnaire and product inventory was completed consistent with past indoor air sampling events and is presented in Attachment 1.

Samples were analyzed for volatile organic compounds (VOCs) using method TO-15. Results are presented in Table 1. The laboratory report is presented in Attachment 2 and a data validation memorandum is presented in Attachment 3. The data were found to be acceptable with the qualifications noted.

The interim sampling sub-slab soil vapor and indoor air analytical results were screened against New York State Department of Health (NYSDOH) Soil Vapor/Indoor Air Matrices, dated May 2017 (Matrices), for the chemicals of concern (COCs) as indicated in the Record of Decision (ROD) issued March 31, 2017 for Operable Unit 05: Offsite Soil Vapor. These COCs are tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride. A summary of concentrations for these COCs is presented in Table 2. Concentrations for the five other VOCs listed in Matrices A, B, and C (cis-1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride, 1,1,1-trichloroethane, and methylene chloride) are also presented in Table 2. The SSD systems located in the general area corresponding to each the three sub-slab vapor and indoor air sample locations are also identified in Table 2.

Vinyl chloride, cis-1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride, 1,1,1-trichloroethane, and methylene chloride were either not detected in the indoor air and sub-slab vapor samples or at very low concentrations, and based on the Matrices, no further action would be required to address these chemicals.

TCE was not detected in indoor air samples. TCE concentrations in sub-slab vapor samples were low except for SV-1 (130 $\mu\text{g}/\text{m}^3$), which is above the mitigation threshold concentration of 100 $\mu\text{g}/\text{m}^3$ for sub-slab soil vapor. SV-1 is in proximity to SSD-3 and SSD-4.

PCE was either not detected or detected at very low concentrations in the indoor air samples (less than 3 $\mu\text{g}/\text{m}^3$); however, PCE was detected in sub-slab vapor samples collected from SV-1 and SV-3 at concentrations of 27,000 $\mu\text{g}/\text{m}^3$ and 7,100 $\mu\text{g}/\text{m}^3$, respectively. These concentrations are greater than 1,000 $\mu\text{g}/\text{m}^3$ threshold for mitigation. SV-1 is in proximity to SSD-3 and SSD-4 and SV-3 is in proximity to SSD-2 and SSD-3.

As indicated in the 2023 Report, PCE was detected above the 1,000 $\mu\text{g}/\text{m}^3$ threshold for mitigation in all SSD samples collected in December 2023 except for SSD-2. The PCE concentrations above 1,000 $\mu\text{g}/\text{m}^3$ ranged between 1,100 $\mu\text{g}/\text{m}^3$ and 6,400 $\mu\text{g}/\text{m}^3$.

Based on the soil vapor and indoor air sampling results, further mitigation to address sub-slab vapor concentrations of primarily PCE is required in the vicinity of SSD-1, SSD-2, SSD-3, and SSD-4. These SSDs will be returned to operation. Mitigation in the SSD-5 and SSD-6 area is not required based on the soil vapor and indoor air sampling results; however, these two SSDs will be returned to operation.

The following is recommended:

- Continue passive operation of the six SSD systems. The SSD systems will return to operation on November 14, 2024.
- Continue annual sampling of the six SSD systems and VP-46 in accordance with the Site Management Plan (SMP), dated February 9, 2021 (Revision No. 3,) and approved by NYSDEC on June 24, 2021.
- Consider future interim sampling events when PCE and TCE concentrations decrease. The SSD systems will be modified with valving to cease air flow in November 2024 to facilitate future shut down events.

- When concentration decreases are indicative of meeting no further action per the Matrices, implement shut down as proposed in the 2023 Report.

Should you have any questions on the above, please do not hesitate to contact the undersigned at 519-340-4313 or email john.pentilchuk@GHD.com.

Regards



John Pentilchuk, P. Eng

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JP/kf/LTR-#132

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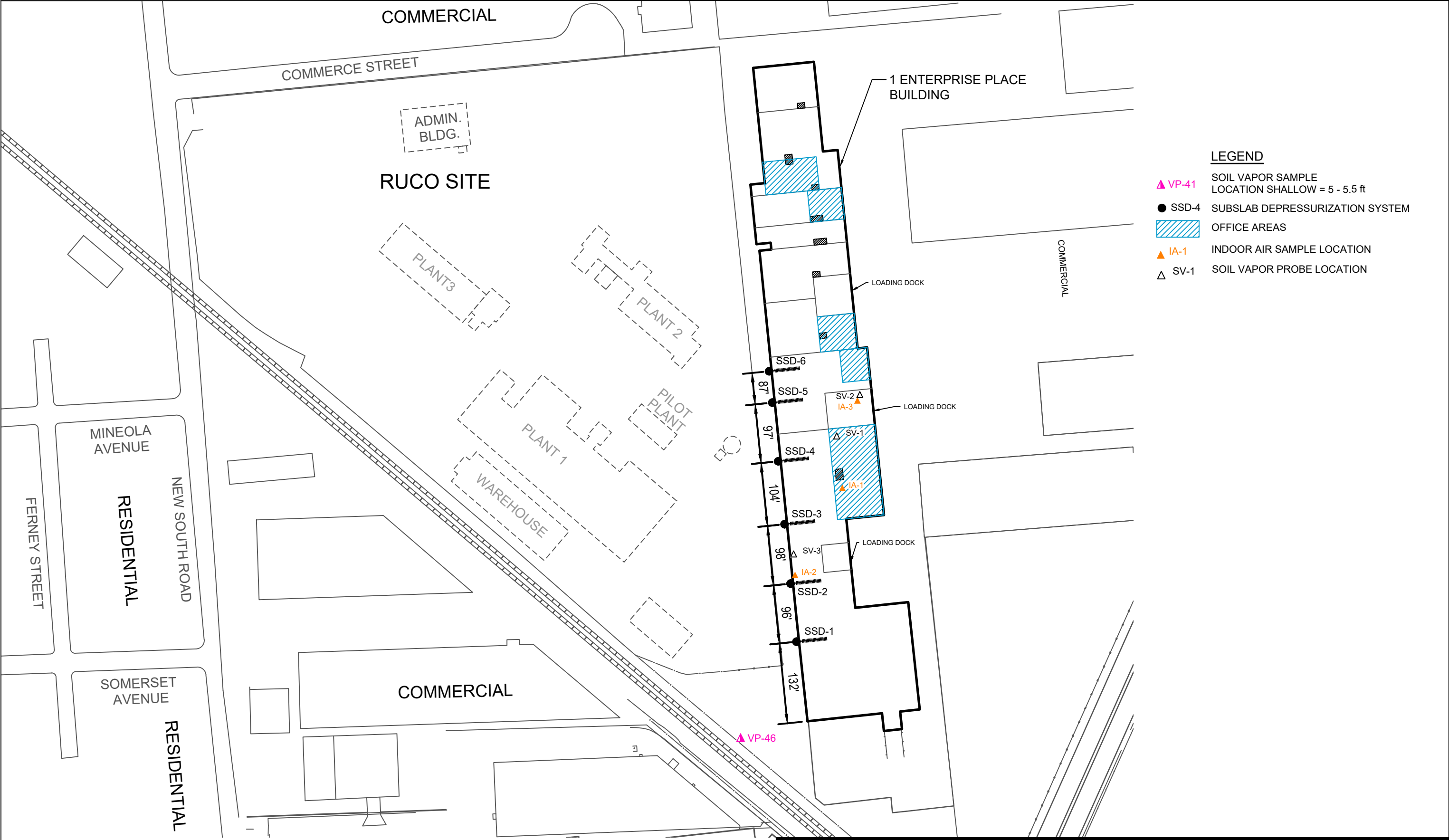


Table 1

Analytical Results Summary
OU-5 Soil Vapor and Air Sampling
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York

Location ID:		IA-1	IA-2	IA-3	OA-1	SV-1	SV-2	SV-3
Sample Name:		IA083024CZ02	IA083024CZ03	IA083024CZ01	OA083024CZ01	SSV083024CZ02	SSV083024CZ01	SSV083024CZ03
Sample Date:		08/30/2024	08/30/2024	08/30/2024	08/30/2024	08/30/2024	08/30/2024	08/30/2024
Parameters	Unit							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	13 J	7.0	22 U
1,1,2,2-Tetrachloroethane	µg/m³	1.4 U	1.4 U	1.4 U	1.4 U	68 U	1.4 U	27 U
1,1,2-Trichloroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	54 U	1.1 U	22 U
1,1-Dichloroethane	µg/m³	0.81 U	0.81 U	0.81 U	0.81 U	40 U	0.81 U	16 U
1,1-Dichloroethene	µg/m³	0.20 U	0.20 U	0.20 U	0.20 U	9.9 U	0.20 U	4.0 U
1,2,4-Trichlorobenzene	µg/m³	3.7 U	3.7 U	3.7 U	3.7 U	180 U	3.7 U	74 U
1,2,4-Trimethylbenzene	µg/m³	2.7	0.98 U	0.39 J	0.53 J	49 U	1.0	20 U
1,2-Dibromoethane (Ethylene dibromide)	µg/m³	1.5 U	1.5 U	1.5 U	1.5 U	76 U	1.5 U	31 U
1,2-Dichlorobenzene	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	60 U	1.2 U	24 U
1,2-Dichloroethane	µg/m³	0.81 U	0.81 U	0.81 U	0.81 U	40 U	0.81 U	16 U
1,2-Dichloropropane	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	46 U	0.92 U	18 U
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m³	1.4 U	1.4 U	1.4 U	1.4 U	69 U	1.4 U	28 U
1,3,5-Trimethylbenzene	µg/m³	0.88 J	0.98 U	0.98 U	0.98 U	49 U	0.34 J	20 U
1,3-Butadiene	µg/m³	0.44 U	0.44 U	0.44 U	0.44 U	22 U	0.44 U	8.8 U
1,3-Dichlorobenzene	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	60 U	1.2 U	24 U
1,4-Dichlorobenzene	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	60 U	1.2 U	24 U
1,4-Dioxane	µg/m³	0.38 J	18 U	18 U	18 U	890 U	0.35 J	360 U
2,2,4-Trimethylpentane	µg/m³	0.48 J	0.34 J	0.39 J	0.93 U	46 U	0.45 J	19 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m³	9.6	1.5 U	1.5 U	1.5 U	73 U	1.5 U	29 U
2-Chlorotoluene	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	51 U	1.0 U	21 U
2-Hexanone	µg/m³	2.0 U	2.0 U	2.0 U	2.0 U	100 U	2.0 U	41 U
2-Phenylbutane (sec-Butylbenzene)	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	54 U	1.1 U	22 U
4-Ethyl toluene	µg/m³	0.95 J	0.98 U	0.98 U	0.98 U	49 U	0.26 J	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m³	2.0 U	2.0 U	2.0 U	2.0 U	100 U	2.0 U	41 U
Acetone	µg/m³	44	24	23	12	590 U	34	240 U
Allyl chloride	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	78 U	1.6 U	31 U
Benzene	µg/m³	0.51 J	0.36 J	0.38 J	0.28 J	32 U	0.63 J	13 U
Benzyl chloride	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	51 U	1.0 U	21 U
Bromodichloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	66 U	1.3 U	27 U
Bromoform	µg/m³	2.1 U	2.1 U	2.1 U	2.1 U	100 U	2.1 U	41 U
Bromomethane (Methyl bromide)	µg/m³	0.78 U	0.78 U	0.78 U	0.78 U	39 U	0.78 U	15 U
Butane	µg/m³	3.0	1.4	3.7	0.63 J	59 U	2.2	24 U
Carbon disulfide	µg/m³	1.3 J	0.42 J	1.6 U	1.5 J	50 J	0.58 J	31 U
Carbon tetrachloride	µg/m³	0.34	0.38	0.33	0.33	11 U	0.67	4.4 U
Chlorobenzene	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	46 U	0.92 U	18 U
Chlorodifluoromethane	µg/m³	2.2	3.2	2.2	2.9	88 U	0.97 J	35 U
Chloroethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	65 U	1.3 U	26 U
Chloroform (Trichloromethane)	µg/m³	0.98 U	0.26 J	0.98 U	0.98 U	48 U	0.24 J	19 U
Chloromethane (Methyl chloride)	µg/m³	1.1	2.1	0.96 J	1.3	51 U	0.96 J	21 U
cis-1,2-Dichloroethene	µg/m³	0.20 U	0.20 U	0.20 U	0.20 U	9.9 U	0.20 U	4.0 U
cis-1,3-Dichloropropene	µg/m³	0.91 U	0.91 U	0.91 U	0.91 U	45 U	0.91 U	18 U
Cyclohexane	µg/m³	0.83	0.69 U	0.69 U	0.69 U	34 U	0.29 J	14 U

Table 1

Analytical Results Summary
OU-5 Soil Vapor and Air Sampling
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York

Location ID:		IA-1	IA-2	IA-3	OA-1	SV-1	SV-2	SV-3
Sample Name:		IA083024CZ02	IA083024CZ03	IA083024CZ01	OA083024CZ01	SSV083024CZ02	SSV083024CZ01	SSV083024CZ03
Sample Date:		08/30/2024	08/30/2024	08/30/2024	08/30/2024	08/30/2024	08/30/2024	08/30/2024
Parameters	Unit							
Volatile Organic Compounds								
Cymene (p-Isopropyltoluene)	µg/m³	0.94 J	1.1 U	1.1 U	1.1 U	54 U	0.90 J	22 U
Dibromochloromethane	µg/m³	1.7 U	1.7 U	1.7 U	1.7 U	85 U	1.7 U	34 U
Dichlorodifluoromethane (CFC-12)	µg/m³	2.1 J	2.1 J	1.9 J	2.1 J	120 U	2.7	49 U
Ethanol	µg/m³	57	6.8 J	17	9.4 U	470 U	17	190 U
Ethylbenzene	µg/m³	1.9	0.60 J	0.46 J	0.33 J	43 U	0.77 J	17 U
Hexachlorobutadiene	µg/m³	2.1 U	2.1 U	2.1 U	2.1 U	110 U	2.1 U	42 U
Hexane	µg/m³	1.0 J	1.8 U	0.46 J	1.8 U	87 U	0.67 J	35 U
Isopropyl alcohol	µg/m³	5.2 J	4.3 J	12 U	12 U	610 U	12 U	240 U
Isopropyl benzene	µg/m³	0.97 J	0.98 U	0.98 U	0.98 U	49 U	0.20 J	20 U
m&p-Xylenes	µg/m³	5.4	0.92 J	1.0 J	0.93 J	110 U	2.1 J	43 U
Methyl methacrylate	µg/m³	97	18	27	1.0 J	100 U	74	41 U
Methyl tert butyl ether (MTBE)	µg/m³	0.72 U	0.72 U	0.72 U	0.72 U	36 U	0.72 U	14 U
Methylene chloride	µg/m³	0.99 J	0.81 J	0.92 J	0.85 J	86 U	0.81 J	35 U
N-Butylbenzene	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	54 U	1.1 U	22 U
N-Heptane	µg/m³	1.4	0.39 J	0.46 J	0.82 U	41 U	1.0	16 U
N-Propylbenzene	µg/m³	0.70 J	0.98 U	0.98 U	0.98 U	49 U	0.23 J	20 U
Naphthalene	µg/m³	2.6 U	2.6 U	2.6 U	2.6 U	130 U	2.6 U	52 U
o-Xylene	µg/m³	1.8	0.29 J	0.35 J	0.31 J	43 U	0.79 J	17 U
Styrene	µg/m³	4.1	1.2	0.85 U	0.79 J	42 U	0.36 J	17 U
tert-Butyl alcohol	µg/m³	9.2 J	15 U	15 U	15 U	750 U	5.2 J	300 U
tert-Butylbenzene	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	54 U	1.1 U	22 U
Tetrachloroethene	µg/m³	1.3 J	1.4 U	2.4	1.4 U	27000	100	7100
Tetrahydrofuran	µg/m³	15 U	15 U	15 U	15 U	730 U	15 U	290 U
Toluene	µg/m³	15	3.8	17	0.73 J	37 U	18	15 U
trans-1,2-Dichloroethene	µg/m³	0.79 U	0.79 U	0.79 U	0.79 U	39 U	0.79 U	16 U
trans-1,3-Dichloropropene	µg/m³	0.91 U	0.91 U	0.91 U	0.91 U	45 U	0.91 U	18 U
Trichloroethene	µg/m³	0.20 U	0.20 U	0.20 U	0.20 U	130	18	29
Trichlorofluoromethane (CFC-11)	µg/m³	1.1	1.1	0.97 J	1.1	56 U	1.5	22 U
Trifluorotrichloroethane (CFC-113)	µg/m³	1.5 U	1.5 U	0.42 J	1.5 U	76 U	4.8	31 U
Vinyl bromide (Bromoethene)	µg/m³	0.87 U	0.87 U	0.87 U	0.87 U	43 U	0.87 U	17 U
Vinyl chloride	µg/m³	0.20 U	0.20 U	0.20 U	0.20 U	9.9 U	0.20 U	4.0 U
Helium	%v/v	--	--	--	--	0.025 U	0.063	0.025 U

Notes:

U - Not detected at the associated reporting limit

J - Estimated concentration

"--" - Not applicable

µg/m³ - microgram per cubic meter

Table 2

**NYSDOH Matrix Concentration Evaluation
OU-5 Soil Vapor and Air Sampling
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York**

Location ID:	SSD-3/SSD-4 Area			SSD-3/SSD-2 Area			SSD-6/SSD-5 Area		
	IA-1	SV-1	Matrix Action	IA-2	SV-3	Matrix Action	IA-3	SV-2	Matrix Action
Volatile Organic Compounds ($\mu\text{g}/\text{m}^3$)									
Matrix A									
Trichloroethene	0.20 U	130	Mitigate	0.20 U	29	NFA	0.20 U	18	NFA
cis-1,2-Dichloroethene	0.20 U	9.9 U	NFA	0.20 U	4.0 U	NFA	0.20 U	0.20 U	NFA
1,1-Dichloroethene	0.20 U	9.9 U	NFA	0.20 U	4.0 U	NFA	0.20 U	0.20 U	NFA
Carbon tetrachloride	0.34	11 U	NFA	0.38	4.4 U	NFA	0.33	0.67	NFA
Matrix B									
Tetrachloroethene	1.3 J	27000	Mitigate	1.4 U	7100	Mitigate	2.4	100	NFA
1,1,1-Trichloroethane	1.1 U	13 J	NFA	1.1 U	22 U	NFA	1.1 U	7.0	NFA
Methylene chloride	0.99 J	86 U	NFA	0.81 J	35 U	NFA	0.92 J	0.81 J	NFA
Matrix C									
Vinyl chloride	0.20 U	9.9 U	NFA	0.20 U	4.0 U	NFA	0.20 U	0.20 U	NFA

Notes:

IA - Indoor Air Sample

SV - Sub-Slab Vapor Sample

U - Not detected at the associated reporting limit

J - Estimated concentration

 $\mu\text{g}/\text{m}^3$ - microgram per cubic meter

NFA - No Further Action

Matrices and actions per New York State Department of Health Soil Vapor/Indoor Air Matrix A, B, and C, dated May 2017

Attachments

Attachment 1

Building Questionnaire and Product Inventory

**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Kennedy Thomas Cancellierie Date/Time Prepared 8/20/24

Preparer's Affiliation Preferred Env. Phone No.

Purpose of Investigation Indoor Air Survey

1. OCCUPANT:

Interviewed: ☒ Y / ☐ N

Allied Building Supply - A Beacon Company

~~Last Name:~~ ~~First Name:~~

Address: 1 Enterprise Place, Hicksville NY

County: Nassau

Home Phone: NA Office Phone: 516-733-2900

Number of Occupants/persons at this location 25+ Age of Occupants 20+

2. OWNER OR LANDLORD: (Check if same as occupant ☐)

Interviewed: ☒ Y / ☐ N

Last Name: Mejas First Name: Eric

Address: 1 Enterprise Place, Hicksville NY

County: Nassau

Home Phone: NA Office Phone: 646-772-1531

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other:

If the property is residential, type? (Circle appropriate response) NA

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: _____

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) Roofing/building supply company

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 1

Building age 1960

Is the building insulated? Y / N
Partially - office area

How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

NA

Airflow near source

NA

Outdoor air infiltration

The bay doors of the warehouse are left open most of the day allowing
for an on-going fresh air exchange

Infiltration into air ducts

NA

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other _____
- c. Basement floor: NA concrete dirt stone other _____
- d. Basement floor: NA uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: NA wet damp dry moldy
- i. The basement is: NA finished unfinished partially finished
- j. Sump present? Y / N
- k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: NA (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

No drains visible. There are cracks in the warehouse that were previously sealed that appear to need repairs and newer cracks in the concrete.
Pictures attached.

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard
<u>Space Heaters</u>	Warehouse	Radiant floor
Electric baseboard	Stream radiation	Outdoor wood boiler
	Wood stove	Other _____

The primary type of fuel used is:

<u>Natural Gas</u>	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None
Rooftop units for office area

Are there air distribution ducts present? Y / ☒ N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

NA

7. OCCUPANCY

Is basement/lowest level occupied? ☒ Full-time ☐ Occasionally ☐ Seldom ☐ Almost Never

Level **General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**

Basement

1st Floor

 Warehouse for roofing supplies and attached office

2nd Floor

3rd Floor

4th Floor

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- a. Is there an attached garage? Y / ☒ N
- b. Does the garage have a separate heating unit? Y / N / ☒ NA
- c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / ☒ NA
Please specify

- d. Has the building ever had a fire? Y / ☒ N When?

- e. Is a kerosene or unvented gas space heater present? Y / ☒ N Where?

- f. Is there a workshop or hobby/craft area? ☒ Y / N Where & Type?

- g. Is there smoking in the building? Y / ☒ N How frequently?

- h. Have cleaning products been used recently? Y / ☒ N When & Type?

- i. Have cosmetic products been used recently? Y / ☒ N When & Type?

- j. Has painting/staining been done in the last 6 months? Y / ☒ N Where & When? _____
- k. Is there new carpet, drapes or other textiles? Y / ☒ N Where & When? _____
- l. Have air fresheners been used recently? Y / ☒ N When & Type? _____
- m. Is there a kitchen exhaust fan? Y / ☒ N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? ☒ Y / N If yes, where vented? _____
- o. Is there a clothes dryer? Y / ☒ N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / ☒ N When & Type? _____

Are there odors in the building?

Y / ☒ N

If yes, please describe: _____

Do any of the building occupants use solvents at work?

Y / ☒ N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____ None used on site

If yes, are their clothes washed at work?

Y / ☒ N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

☒ No

Unknown

Is there a radon mitigation system for the building/structure? ☒ Y / N Date of Installation: 7/2019

Is the system active or passive? ☒ Active / Passive

Currently off/capped for indoor air sampling

9. WATER AND SEWAGE

Water Supply: ☒ Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: ☒ Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) NA

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

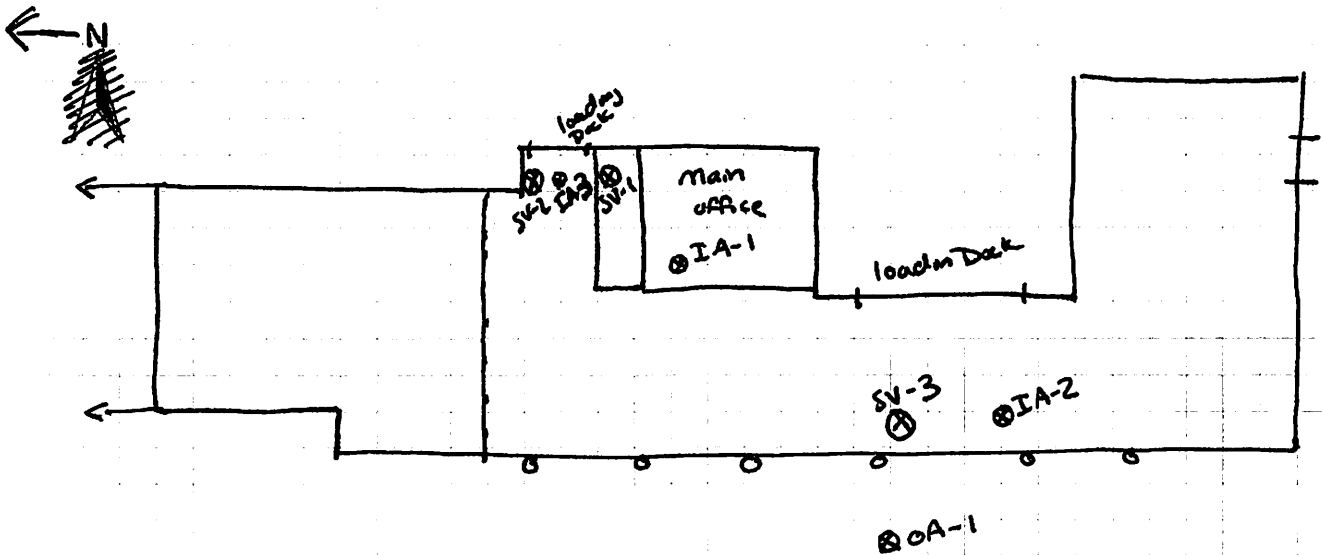
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini Rae 3000

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition *	Chemical Ingredients	Field Instrument Reading (units)(ppm)	Photo ** Y/N
near SSV-2	Diesel Treat	64oz	used		0.4	Y
near SSV-2	Low VOC PVC Skp 1+2 Activator / Primer	2gals	used	toluene, acetone, sulfur	0.8	Y
near SSV-2	PVC Keel HP membrane cleaner	25gal	UO	Acetone, xylene, ethyl benzene	88.3	Y
near SSV-2	Calcium chloride Pellets - Ice melt		used	calcium chloride	0.1	Y
near SSV-2	CAV-Grip PVC Adhesive	14 Units	UO	acetone	0.0	Y
near SSV-2	Low-VOC PVC Bonding Adhesive	72oz	UO	toluene, acetone	1.7-10.9	Y
near SSV-2	EPDM X-23 Low VOC Bonding Adhesive	140-5gal units	UO	pho	3.8	Y
near SSV-2	Low-VOC PVC Bonding Adhesive	13 5-gal units	UO	toluene, acetone	20.3	Y
near IA-2	Para pro Root Resin	137 5-gal units	UO	methyl methacrylate	13.2	Y
West of IA-2	Para pro Flashing Resin	127 5-gal units	UO	methyl methacrylate, ethylhexyl acrylate	4.9	Y
West of IA-2	Bituthene Adhesive Primer BZLV	40 5-gal units	UO	Hydrocarbon Resin, Ethyl benzene	0.4	Y
West of IA-2	Bituthene Liquid Membrane	36 1.5-gal units	UO	methylene Diphenyl diisocyanate	0.1	Y
West of IA-2	PA-311 R Adhesive	20gal	UO	asphalt, naphtha Solvent	4.8	Y
West of IA-2	Pro Primer Resin	21 gals	UO		0.8	Y
West of IA-2	Polyurethane Adhesive for Versi Fleece Roofing	780gal	UO	polyurethane, Triphosphate	0.0	Y
West of IA-2	Pro prep	18 gal	UO	ethyl acetate	0.5	Y
West of IA-2	PA 828 Flashing cement	27 5-gal units	UO	asphalt, mineral spirits	0.9	Y
West of Central Building	Sika Top Dispersion Part A	1 gal	Used	2-2 Dimethyl-1,3 propanediol	0.1	Y
SE of SSV-3	Kemperol AC Spand PR Gray - component A	36 3-gal units	UO	methyl methacrylate	1.6	Y

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Location	Description	Size	condition	Ingredients	Reading	Photos?
SE of SSV-3	Kemperol 022 components A+B	15 gals	UO	Calcium carbonate Barium sulfate	0.1	Y
SE of SSV-3	Kempertec AC Primer component A	9 gals	UO	methyl methacrylate	0.1	Y
↓	Kemperol 2K-Pur components A+B	54 3-gal units	UO	photo	0.1	Y
↓	LUCAS No. 315 Asphalt Primer	14 5-gal units	UO	Asphalt Aliphatic hydro- carbons	0.6	Y
↓	Weed Zapper	3- 50-gal Drums	Used	Petroleum distillates Bromacil	0.7	Y

Attachment 2

Laboratory Report

ANALYTICAL REPORT

PREPARED FOR

Attn: Michelle Kukta
GHD Services Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

Generated 9/24/2024 9:08:27 AM

JOB DESCRIPTION

Hooker Chemical/Ruco Polymer Superfund Site
200-74969-1

JOB NUMBER

200-74969-1

Eurofins Burlington

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.

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Authorization



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Authorized for release by
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Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	12
QC Sample Results	41
QC Association Summary	55
Lab Chronicle	56
Certification Summary	58
Method Summary	59
Sample Summary	60
Chain of Custody	61
Receipt Checklists	66
Clean Canister Certification	68
Pre-Ship Certification	68
Clean Canister Data	70
Air Canister Dilution	85



Definitions/Glossary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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.

Air - GC VOA

Qualifier	Qualifier Description
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.
α	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: GHD Services Inc.
Project: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1

Job ID: 200-74969-1

Eurofins Burlington

Job Narrative 200-74969-1

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 8/31/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

During the canister pressure check performed upon receipt, it was observed that the following sample was received at an elevated residual vacuum level: IA083024CZ03 (200-74969-6). The associated flow controller was evaluated upon receipt and was found to be within the acceptable flow range as compared to the original set flow rate.

The residual vacuum for sample 200-74969-6 is just above the target range. There will be no change to the sample analysis or increase in sample RL.

Air - GC/MS VOA

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

Air - GC VOA

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

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Detection Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ01

Lab Sample ID: 200-74969-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.7		2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.97	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.96	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	2.2		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.5		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	4.8		1.5	0.41	ug/m3	1		TO-15	Total/NA
Ethanol	17		9.4	4.9	ug/m3	1		TO-15	Total/NA
Acetone	34		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.58	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.81	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	5.2	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.67	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Chloroform	0.24	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	7.0		1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.29	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.67		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.45	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.63	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	1.0		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	18		0.20	0.13	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	74		2.0	0.57	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	0.35	J	18	0.30	ug/m3	1		TO-15	Total/NA
Toluene	18		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	100		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.77	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.1	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.79	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	0.36	J	0.85	0.25	ug/m3	1		TO-15	Total/NA
Cumene	0.20	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.23	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.26	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.34	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.0		0.98	0.39	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.90	J	1.1	0.33	ug/m3	1		TO-15	Total/NA
Helium	0.063		0.025	0.0082	% v/v	1		D1946	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.54		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.27	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.47	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.93		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.27		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.62		0.20	0.053	ppb v/v	1		TO-15	Total/NA
Ethanol	8.8		5.0	2.6	ppb v/v	1		TO-15	Total/NA
Acetone	14		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.19	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.23	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.7	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.19	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chloroform	0.048	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.3		0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.083	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ01 (Continued)

Lab Sample ID: 200-74969-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.11		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.096	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.20	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.25		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	3.3		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	18		0.50	0.14	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.096	J	5.0	0.082	ppb v/v	1		TO-15	Total/NA
Toluene	4.8		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	15		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.18	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.49	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.18	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.084	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
Cumene	0.041	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.047	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.054	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.069	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.21		0.20	0.080	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.16	J	0.20	0.061	ppb v/v	1		TO-15	Total/NA

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	50	J	77	20	ug/m3	49.6		TO-15	Total/NA
1,1,1-Trichloroethane	13	J	54	12	ug/m3	49.6		TO-15	Total/NA
Trichloroethene	130		9.9	6.7	ug/m3	49.6		TO-15	Total/NA
Tetrachloroethene	24000	E	67	7.1	ug/m3	49.6		TO-15	Total/NA
Trichloroethene - DL	140	D	51	34	ug/m3	253		TO-15	Total/NA
Tetrachloroethene - DL	27000	D	340	36	ug/m3	253		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	16	J	25	6.4	ppb v/v	49.6		TO-15	Total/NA
1,1,1-Trichloroethane	2.3	J	9.9	2.2	ppb v/v	49.6		TO-15	Total/NA
Trichloroethene	23		1.8	1.2	ppb v/v	49.6		TO-15	Total/NA
Tetrachloroethene	3600	E	9.9	1.0	ppb v/v	49.6		TO-15	Total/NA
Trichloroethene - DL	27	D	9.4	6.3	ppb v/v	253		TO-15	Total/NA
Tetrachloroethene - DL	4000	D	51	5.3	ppb v/v	253		TO-15	Total/NA

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	29		4.0	2.7	ug/m3	19.9		TO-15	Total/NA
Tetrachloroethene	8300	E	27	2.8	ug/m3	19.9		TO-15	Total/NA
Trichloroethene - DL	25	D	20	14	ug/m3	101		TO-15	Total/NA
Tetrachloroethene - DL	7100	D	140	14	ug/m3	101		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	5.5		0.74	0.50	ppb v/v	19.9		TO-15	Total/NA
Tetrachloroethene	1200	E	4.0	0.42	ppb v/v	19.9		TO-15	Total/NA
Trichloroethene - DL	4.7	D	3.8	2.5	ppb v/v	101		TO-15	Total/NA
Tetrachloroethene - DL	1000	D	20	2.1	ppb v/v	101		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ01

Lab Sample ID: 200-74969-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.9	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	2.2		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.96	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	3.7		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	0.97	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.42	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Ethanol	17		9.4	4.9	ug/m3	1		TO-15	Total/NA
Acetone	23		12	3.8	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.92	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	0.46	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.33		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.39	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.38	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.46	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	27		2.0	0.57	ug/m3	1		TO-15	Total/NA
Toluene	17		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	2.4		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.46	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.0	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.35	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.39	J	0.98	0.39	ug/m3	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.39	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.63		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.46	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	1.5		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.055	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Ethanol	8.8		5.0	2.6	ppb v/v	1		TO-15	Total/NA
Acetone	9.6		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.27	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.13	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.053		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.083	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.12	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.11	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	6.6		0.50	0.14	ppb v/v	1		TO-15	Total/NA
Toluene	4.6		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.35		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.11	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.24	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.081	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.080	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA

Client Sample ID: IA083024CZ02

Lab Sample ID: 200-74969-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	2.2		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	3.0		1.2	0.48	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ02 (Continued)

Lab Sample ID: 200-74969-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
Ethanol	57		9.4	4.9	ug/m3	1		TO-15	Total/NA
Acetone	44		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	5.2	J	12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.3	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.99	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	9.2	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	1.0	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	9.6		1.5	1.4	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.83		0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.34		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.48	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.51	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	1.4		0.82	0.23	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	97		2.0	0.57	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	0.38	J	18	0.30	ug/m3	1		TO-15	Total/NA
Toluene	15		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.3	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.9		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	5.4		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	1.8		0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	4.1		0.85	0.25	ug/m3	1		TO-15	Total/NA
Cumene	0.97	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.70	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.95	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.88	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.7		0.98	0.39	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.94	J	1.1	0.33	ug/m3	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.42	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.62		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.53		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	1.3		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Ethanol	30		5.0	2.6	ppb v/v	1		TO-15	Total/NA
Acetone	19		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	2.1	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.42	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.29	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	3.0	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.29	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	3.3		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.24		0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.054		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.10	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.16	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.35		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	24		0.50	0.14	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.11	J	5.0	0.082	ppb v/v	1		TO-15	Total/NA
Toluene	4.0		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.19	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ02 (Continued)

Lab Sample ID: 200-74969-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.45		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.2		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.42		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.96		0.20	0.059	ppb v/v	1		TO-15	Total/NA
Cumene	0.20	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.14	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.19	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.18	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.54		0.20	0.080	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.17	J	0.20	0.061	ppb v/v	1		TO-15	Total/NA

Client Sample ID: IA083024CZ03

Lab Sample ID: 200-74969-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	3.2		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	2.1		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	1.4		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
Ethanol	6.8	J	9.4	4.9	ug/m3	1		TO-15	Total/NA
Acetone	24		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	4.3	J	12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.42	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.81	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
Chloroform	0.26	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.38		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.34	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.36	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.39	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	18		2.0	0.57	ug/m3	1		TO-15	Total/NA
Toluene	3.8		0.75	0.23	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.60	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.92	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.29	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	1.2		0.85	0.25	ug/m3	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.42	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.91		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	1.0		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.61		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.20		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Ethanol	3.6	J	5.0	2.6	ppb v/v	1		TO-15	Total/NA
Acetone	9.9		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.7	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.14	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.23	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
Chloroform	0.054	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.061		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.072	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.11	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.094	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ03 (Continued)

Lab Sample ID: 200-74969-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl methacrylate	4.3		0.50	0.14	ppb v/v	1		TO-15	Total/NA
Toluene	1.0		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.14	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.21	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.067	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.28		0.20	0.059	ppb v/v	1		TO-15	Total/NA

Client Sample ID: OA083024CZ01

Lab Sample ID: 200-74969-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	2.9		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.3		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	0.63	J	1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	12		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.5	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.85	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.33		0.22	0.14	ug/m3	1		TO-15	Total/NA
Benzene	0.28	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	1.0	J	2.0	0.57	ug/m3	1		TO-15	Total/NA
Toluene	0.73	J	0.75	0.23	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.33	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.93	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.31	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	0.79	J	0.85	0.25	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.53	J	0.98	0.39	ug/m3	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.42	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.81		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.63		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.27	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.20		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	4.9		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.47	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.24	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.052		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Benzene	0.088	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.25	J	0.50	0.14	ppb v/v	1		TO-15	Total/NA
Toluene	0.19	J	0.20	0.062	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.076	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.21	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.072	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.18	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.11	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ01

Lab Sample ID: 200-74969-1

Date Collected: 08/30/24 07:19

Matrix: Air

Date Received: 08/31/24 10:00

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	2.7		2.5	0.54	ug/m3			09/04/24 20:43	1
Chlorodifluoromethane	0.97	J	1.8	0.42	ug/m3			09/04/24 20:43	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/04/24 20:43	1
Chloromethane	0.96	J	1.0	0.31	ug/m3			09/04/24 20:43	1
n-Butane	2.2		1.2	0.48	ug/m3			09/04/24 20:43	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/04/24 20:43	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/04/24 20:43	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/04/24 20:43	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/04/24 20:43	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/04/24 20:43	1
Trichlorofluoromethane	1.5		1.1	0.28	ug/m3			09/04/24 20:43	1
1,1,2-Trichlorotrifluoroethane	4.8		1.5	0.41	ug/m3			09/04/24 20:43	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/04/24 20:43	1
Ethanol	17		9.4	4.9	ug/m3			09/04/24 20:43	1
Acetone	34		12	3.8	ug/m3			09/04/24 20:43	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/04/24 20:43	1
Carbon disulfide	0.58	J	1.6	0.40	ug/m3			09/04/24 20:43	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/04/24 20:43	1
Methylene Chloride	0.81	J	1.7	0.63	ug/m3			09/04/24 20:43	1
tert-Butyl alcohol	5.2	J	15	3.6	ug/m3			09/04/24 20:43	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/04/24 20:43	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/04/24 20:43	1
n-Hexane	0.67	J	1.8	0.39	ug/m3			09/04/24 20:43	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/04/24 20:43	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/04/24 20:43	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/04/24 20:43	1
Chloroform	0.24	J	0.98	0.20	ug/m3			09/04/24 20:43	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/04/24 20:43	1
1,1,1-Trichloroethane	7.0		1.1	0.24	ug/m3			09/04/24 20:43	1
Cyclohexane	0.29	J	0.69	0.20	ug/m3			09/04/24 20:43	1
Carbon tetrachloride	0.67		0.22	0.14	ug/m3			09/04/24 20:43	1
2,2,4-Trimethylpentane	0.45	J	0.93	0.18	ug/m3			09/04/24 20:43	1
Benzene	0.63	J	0.64	0.14	ug/m3			09/04/24 20:43	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/04/24 20:43	1
n-Heptane	1.0		0.82	0.23	ug/m3			09/04/24 20:43	1
Trichloroethene	18		0.20	0.13	ug/m3			09/04/24 20:43	1
Methyl methacrylate	74		2.0	0.57	ug/m3			09/04/24 20:43	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/04/24 20:43	1
1,4-Dioxane	0.35	J	18	0.30	ug/m3			09/04/24 20:43	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/04/24 20:43	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/04/24 20:43	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/04/24 20:43	1
Toluene	18		0.75	0.23	ug/m3			09/04/24 20:43	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/04/24 20:43	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/04/24 20:43	1
Tetrachloroethene	100		1.4	0.14	ug/m3			09/04/24 20:43	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/04/24 20:43	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/04/24 20:43	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ01

Lab Sample ID: 200-74969-1

Date Collected: 08/30/24 07:19

Matrix: Air

Date Received: 08/31/24 10:00

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
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/04/24 20:43	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/04/24 20:43	1
Ethylbenzene	0.77	J	0.87	0.30	ug/m3			09/04/24 20:43	1
m,p-Xylene	2.1	J	2.2	0.41	ug/m3			09/04/24 20:43	1
o-Xylene	0.79	J	0.87	0.27	ug/m3			09/04/24 20:43	1
Styrene	0.36	J	0.85	0.25	ug/m3			09/04/24 20:43	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/04/24 20:43	1
Cumene	0.20	J	0.98	0.20	ug/m3			09/04/24 20:43	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/04/24 20:43	1
n-Propylbenzene	0.23	J	0.98	0.23	ug/m3			09/04/24 20:43	1
4-Ethyltoluene	0.26	J	0.98	0.24	ug/m3			09/04/24 20:43	1
1,3,5-Trimethylbenzene	0.34	J	0.98	0.23	ug/m3			09/04/24 20:43	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/04/24 20:43	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/04/24 20:43	1
1,2,4-Trimethylbenzene	1.0		0.98	0.39	ug/m3			09/04/24 20:43	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/04/24 20:43	1
4-Isopropyltoluene	0.90	J	1.1	0.33	ug/m3			09/04/24 20:43	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/04/24 20:43	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/04/24 20:43	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/04/24 20:43	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/04/24 20:43	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/04/24 20:43	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/04/24 20:43	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/04/24 20:43	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			09/04/24 20:43	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.54		0.50	0.11	ppb v/v			09/04/24 20:43	1
Chlorodifluoromethane	0.27	J	0.50	0.12	ppb v/v			09/04/24 20:43	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/04/24 20:43	1
Chloromethane	0.47	J	0.50	0.15	ppb v/v			09/04/24 20:43	1
n-Butane	0.93		0.50	0.20	ppb v/v			09/04/24 20:43	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/04/24 20:43	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/04/24 20:43	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/04/24 20:43	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/04/24 20:43	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/04/24 20:43	1
Trichlorofluoromethane	0.27		0.20	0.050	ppb v/v			09/04/24 20:43	1
1,1,2-Trichlorotrifluoroethane	0.62		0.20	0.053	ppb v/v			09/04/24 20:43	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/04/24 20:43	1
Ethanol	8.8		5.0	2.6	ppb v/v			09/04/24 20:43	1
Acetone	14		5.0	1.6	ppb v/v			09/04/24 20:43	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/04/24 20:43	1
Carbon disulfide	0.19	J	0.50	0.13	ppb v/v			09/04/24 20:43	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/04/24 20:43	1
Methylene Chloride	0.23	J	0.50	0.18	ppb v/v			09/04/24 20:43	1
tert-Butyl alcohol	1.7	J	5.0	1.2	ppb v/v			09/04/24 20:43	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/04/24 20:43	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/04/24 20:43	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ01

Lab Sample ID: 200-74969-1

Date Collected: 08/30/24 07:19

Matrix: Air

Date Received: 08/31/24 10:00

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-Hexane	0.19	J	0.50	0.11	ppb v/v			09/04/24 20:43	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/04/24 20:43	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/04/24 20:43	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/04/24 20:43	1
Chloroform	0.048	J	0.20	0.041	ppb v/v			09/04/24 20:43	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/04/24 20:43	1
1,1,1-Trichloroethane	1.3		0.20	0.044	ppb v/v			09/04/24 20:43	1
Cyclohexane	0.083	J	0.20	0.058	ppb v/v			09/04/24 20:43	1
Carbon tetrachloride	0.11		0.035	0.022	ppb v/v			09/04/24 20:43	1
2,2,4-Trimethylpentane	0.096	J	0.20	0.038	ppb v/v			09/04/24 20:43	1
Benzene	0.20	J	0.20	0.044	ppb v/v			09/04/24 20:43	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/04/24 20:43	1
n-Heptane	0.25		0.20	0.055	ppb v/v			09/04/24 20:43	1
Trichloroethene	3.3		0.037	0.025	ppb v/v			09/04/24 20:43	1
Methyl methacrylate	18		0.50	0.14	ppb v/v			09/04/24 20:43	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/04/24 20:43	1
1,4-Dioxane	0.096	J	5.0	0.082	ppb v/v			09/04/24 20:43	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/04/24 20:43	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/04/24 20:43	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/04/24 20:43	1
Toluene	4.8		0.20	0.062	ppb v/v			09/04/24 20:43	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/04/24 20:43	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/04/24 20:43	1
Tetrachloroethene	15		0.20	0.021	ppb v/v			09/04/24 20:43	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/04/24 20:43	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/04/24 20:43	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/04/24 20:43	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/04/24 20:43	1
Ethylbenzene	0.18	J	0.20	0.069	ppb v/v			09/04/24 20:43	1
m,p-Xylene	0.49	J	0.50	0.095	ppb v/v			09/04/24 20:43	1
o-Xylene	0.18	J	0.20	0.063	ppb v/v			09/04/24 20:43	1
Styrene	0.084	J	0.20	0.059	ppb v/v			09/04/24 20:43	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/04/24 20:43	1
Cumene	0.041	J	0.20	0.041	ppb v/v			09/04/24 20:43	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/04/24 20:43	1
n-Propylbenzene	0.047	J	0.20	0.047	ppb v/v			09/04/24 20:43	1
4-Ethyltoluene	0.054	J	0.20	0.049	ppb v/v			09/04/24 20:43	1
1,3,5-Trimethylbenzene	0.069	J	0.20	0.047	ppb v/v			09/04/24 20:43	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/04/24 20:43	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 20:43	1
1,2,4-Trimethylbenzene	0.21		0.20	0.080	ppb v/v			09/04/24 20:43	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/04/24 20:43	1
4-Isopropyltoluene	0.16	J	0.20	0.061	ppb v/v			09/04/24 20:43	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/04/24 20:43	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/04/24 20:43	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/04/24 20:43	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/04/24 20:43	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/04/24 20:43	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ01

Lab Sample ID: 200-74969-1

Date Collected: 08/30/24 07:19

Matrix: Air

Date Received: 08/31/24 10:00

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
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/04/24 20:43	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/04/24 20:43	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			09/04/24 20:43	1

Method: ASTM D1946 - Fixed Gases (Helium)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.063		0.025	0.0082	% v/v			09/06/24 19:54	1

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Date Collected: 08/30/24 07:29

Matrix: Air

Date Received: 08/31/24 10:00

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	120	U	120	27	ug/m3			09/04/24 21:34	49.6
Chlorodifluoromethane	88	U	88	21	ug/m3			09/04/24 21:34	49.6
1,2-Dichlorotetrafluoroethane	69	U	69	17	ug/m3			09/04/24 21:34	49.6
Chloromethane	51	U	51	15	ug/m3			09/04/24 21:34	49.6
n-Butane	59	U	59	24	ug/m3			09/04/24 21:34	49.6
Vinyl chloride	9.9	U	9.9	2.7	ug/m3			09/04/24 21:34	49.6
1,3-Butadiene	22	U	22	4.3	ug/m3			09/04/24 21:34	49.6
Bromomethane	39	U	39	14	ug/m3			09/04/24 21:34	49.6
Chloroethane	65	U	65	24	ug/m3			09/04/24 21:34	49.6
Bromoethene(Vinyl Bromide)	43	U	43	11	ug/m3			09/04/24 21:34	49.6
Trichlorofluoromethane	56	U	56	14	ug/m3			09/04/24 21:34	49.6
1,1,2-Trichlorotrifluoroethane	76	U	76	20	ug/m3			09/04/24 21:34	49.6
1,1-Dichloroethene	9.9	U	9.9	5.1	ug/m3			09/04/24 21:34	49.6
Ethanol	470	U	470	240	ug/m3			09/04/24 21:34	49.6
Acetone	590	U	590	190	ug/m3			09/04/24 21:34	49.6
Isopropyl alcohol	610	U	610	200	ug/m3			09/04/24 21:34	49.6
Carbon disulfide	50	J	77	20	ug/m3			09/04/24 21:34	49.6
3-Chloropropene	78	U	78	19	ug/m3			09/04/24 21:34	49.6
Methylene Chloride	86	U	86	31	ug/m3			09/04/24 21:34	49.6
tert-Butyl alcohol	750	U	750	180	ug/m3			09/04/24 21:34	49.6
Methyl tert-butyl ether	36	U	36	6.4	ug/m3			09/04/24 21:34	49.6
trans-1,2-Dichloroethene	39	U	39	4.5	ug/m3			09/04/24 21:34	49.6
n-Hexane	87	U	87	19	ug/m3			09/04/24 21:34	49.6
1,1-Dichloroethane	40	U	40	5.0	ug/m3			09/04/24 21:34	49.6
Methyl Ethyl Ketone (2-Butanone)	73	U	73	72	ug/m3			09/04/24 21:34	49.6
cis-1,2-Dichloroethene	9.9	U	9.9	4.1	ug/m3			09/04/24 21:34	49.6
Chloroform	48	U	48	9.9	ug/m3			09/04/24 21:34	49.6
Tetrahydrofuran	730	U	730	190	ug/m3			09/04/24 21:34	49.6
1,1,1-Trichloroethane	13	J	54	12	ug/m3			09/04/24 21:34	49.6
Cyclohexane	34	U	34	9.9	ug/m3			09/04/24 21:34	49.6
Carbon tetrachloride	11	U	11	6.9	ug/m3			09/04/24 21:34	49.6
2,2,4-Trimethylpentane	46	U	46	8.8	ug/m3			09/04/24 21:34	49.6
Benzene	32	U	32	7.0	ug/m3			09/04/24 21:34	49.6
1,2-Dichloroethane	40	U	40	19	ug/m3			09/04/24 21:34	49.6

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Date Collected: 08/30/24 07:29

Matrix: Air

Date Received: 08/31/24 10:00

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-Heptane	41	U	41	11	ug/m3			09/04/24 21:34	49.6
Trichloroethene	130		9.9	6.7	ug/m3			09/04/24 21:34	49.6
Methyl methacrylate	100	U	100	28	ug/m3			09/04/24 21:34	49.6
1,2-Dichloropropane	46	U	46	22	ug/m3			09/04/24 21:34	49.6
1,4-Dioxane	890	U	890	15	ug/m3			09/04/24 21:34	49.6
Bromodichloromethane	66	U	66	17	ug/m3			09/04/24 21:34	49.6
cis-1,3-Dichloropropene	45	U	45	10	ug/m3			09/04/24 21:34	49.6
4-Methyl-2-pentanone (Methyl isobutyl ketone)	100	U	100	26	ug/m3			09/04/24 21:34	49.6
Toluene	37	U	37	12	ug/m3			09/04/24 21:34	49.6
trans-1,3-Dichloropropene	45	U	45	12	ug/m3			09/04/24 21:34	49.6
1,1,2-Trichloroethane	54	U	54	20	ug/m3			09/04/24 21:34	49.6
Tetrachloroethene	24000	E	67	7.1	ug/m3			09/04/24 21:34	49.6
Methyl Butyl Ketone (2-Hexanone)	100	U	100	30	ug/m3			09/04/24 21:34	49.6
Dibromochloromethane	85	U	85	27	ug/m3			09/04/24 21:34	49.6
1,2-Dibromoethane	76	U	76	16	ug/m3			09/04/24 21:34	49.6
Chlorobenzene	46	U	46	10	ug/m3			09/04/24 21:34	49.6
Ethylbenzene	43	U	43	15	ug/m3			09/04/24 21:34	49.6
m,p-Xylene	110	U	110	20	ug/m3			09/04/24 21:34	49.6
o-Xylene	43	U	43	14	ug/m3			09/04/24 21:34	49.6
Styrene	42	U	42	12	ug/m3			09/04/24 21:34	49.6
Bromoform	100	U	100	62	ug/m3			09/04/24 21:34	49.6
Cumene	49	U	49	10	ug/m3			09/04/24 21:34	49.6
1,1,2,2-Tetrachloroethane	68	U	68	15	ug/m3			09/04/24 21:34	49.6
n-Propylbenzene	49	U	49	11	ug/m3			09/04/24 21:34	49.6
4-Ethyltoluene	49	U	49	12	ug/m3			09/04/24 21:34	49.6
1,3,5-Trimethylbenzene	49	U	49	11	ug/m3			09/04/24 21:34	49.6
2-Chlorotoluene	51	U	51	12	ug/m3			09/04/24 21:34	49.6
tert-Butylbenzene	54	U	54	13	ug/m3			09/04/24 21:34	49.6
1,2,4-Trimethylbenzene	49	U	49	20	ug/m3			09/04/24 21:34	49.6
sec-Butylbenzene	54	U	54	12	ug/m3			09/04/24 21:34	49.6
4-Isopropyltoluene	54	U	54	17	ug/m3			09/04/24 21:34	49.6
1,3-Dichlorobenzene	60	U	60	22	ug/m3			09/04/24 21:34	49.6
1,4-Dichlorobenzene	60	U	60	27	ug/m3			09/04/24 21:34	49.6
Benzyl chloride	51	U	51	23	ug/m3			09/04/24 21:34	49.6
n-Butylbenzene	54	U	54	30	ug/m3			09/04/24 21:34	49.6
1,2-Dichlorobenzene	60	U	60	20	ug/m3			09/04/24 21:34	49.6
1,2,4-Trichlorobenzene	180	U	180	120	ug/m3			09/04/24 21:34	49.6
Hexachlorobutadiene	110	U	110	58	ug/m3			09/04/24 21:34	49.6
Naphthalene	130	U	130	78	ug/m3			09/04/24 21:34	49.6
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	5.5	ppb v/v			09/04/24 21:34	49.6
Chlorodifluoromethane	25	U	25	6.0	ppb v/v			09/04/24 21:34	49.6
1,2-Dichlorotetrafluoroethane	9.9	U	9.9	2.4	ppb v/v			09/04/24 21:34	49.6
Chloromethane	25	U	25	7.4	ppb v/v			09/04/24 21:34	49.6
n-Butane	25	U	25	9.9	ppb v/v			09/04/24 21:34	49.6
Vinyl chloride	3.9	U	3.9	1.0	ppb v/v			09/04/24 21:34	49.6
1,3-Butadiene	9.9	U	9.9	1.9	ppb v/v			09/04/24 21:34	49.6

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Date Collected: 08/30/24 07:29

Matrix: Air

Date Received: 08/31/24 10:00

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
Bromomethane	9.9	U	9.9	3.5	ppb v/v			09/04/24 21:34	49.6
Chloroethane	25	U	25	8.9	ppb v/v			09/04/24 21:34	49.6
Bromoethene(Vinyl Bromide)	9.9	U	9.9	2.5	ppb v/v			09/04/24 21:34	49.6
Trichlorofluoromethane	9.9	U	9.9	2.5	ppb v/v			09/04/24 21:34	49.6
1,1,2-Trichlorotrifluoroethane	9.9	U	9.9	2.6	ppb v/v			09/04/24 21:34	49.6
1,1-Dichloroethene	2.5	U	2.5	1.3	ppb v/v			09/04/24 21:34	49.6
Ethanol	250	U	250	130	ppb v/v			09/04/24 21:34	49.6
Acetone	250	U	250	79	ppb v/v			09/04/24 21:34	49.6
Isopropyl alcohol	250	U	250	79	ppb v/v			09/04/24 21:34	49.6
Carbon disulfide	16	J	25	6.4	ppb v/v			09/04/24 21:34	49.6
3-Chloropropene	25	U	25	6.0	ppb v/v			09/04/24 21:34	49.6
Methylene Chloride	25	U	25	8.9	ppb v/v			09/04/24 21:34	49.6
tert-Butyl alcohol	250	U	250	60	ppb v/v			09/04/24 21:34	49.6
Methyl tert-butyl ether	9.9	U	9.9	1.8	ppb v/v			09/04/24 21:34	49.6
trans-1,2-Dichloroethene	9.9	U	9.9	1.1	ppb v/v			09/04/24 21:34	49.6
n-Hexane	25	U	25	5.5	ppb v/v			09/04/24 21:34	49.6
1,1-Dichloroethane	9.9	U	9.9	1.2	ppb v/v			09/04/24 21:34	49.6
Methyl Ethyl Ketone (2-Butanone)	25	U	25	24	ppb v/v			09/04/24 21:34	49.6
cis-1,2-Dichloroethene	2.5	U	2.5	1.0	ppb v/v			09/04/24 21:34	49.6
Chloroform	9.9	U	9.9	2.0	ppb v/v			09/04/24 21:34	49.6
Tetrahydrofuran	250	U	250	64	ppb v/v			09/04/24 21:34	49.6
1,1,1-Trichloroethane	2.3	J	9.9	2.2	ppb v/v			09/04/24 21:34	49.6
Cyclohexane	9.9	U	9.9	2.9	ppb v/v			09/04/24 21:34	49.6
Carbon tetrachloride	1.7	U	1.7	1.1	ppb v/v			09/04/24 21:34	49.6
2,2,4-Trimethylpentane	9.9	U	9.9	1.9	ppb v/v			09/04/24 21:34	49.6
Benzene	9.9	U	9.9	2.2	ppb v/v			09/04/24 21:34	49.6
1,2-Dichloroethane	9.9	U	9.9	4.6	ppb v/v			09/04/24 21:34	49.6
n-Heptane	9.9	U	9.9	2.7	ppb v/v			09/04/24 21:34	49.6
Trichloroethene	23		1.8	1.2	ppb v/v			09/04/24 21:34	49.6
Methyl methacrylate	25	U	25	6.9	ppb v/v			09/04/24 21:34	49.6
1,2-Dichloropropane	9.9	U	9.9	4.7	ppb v/v			09/04/24 21:34	49.6
1,4-Dioxane	250	U	250	4.1	ppb v/v			09/04/24 21:34	49.6
Bromodichloromethane	9.9	U	9.9	2.5	ppb v/v			09/04/24 21:34	49.6
cis-1,3-Dichloropropene	9.9	U	9.9	2.2	ppb v/v			09/04/24 21:34	49.6
4-Methyl-2-pentanone (Methyl isobutyl ketone)	25	U	25	6.4	ppb v/v			09/04/24 21:34	49.6
Toluene	9.9	U	9.9	3.1	ppb v/v			09/04/24 21:34	49.6
trans-1,3-Dichloropropene	9.9	U	9.9	2.7	ppb v/v			09/04/24 21:34	49.6
1,1,2-Trichloroethane	9.9	U	9.9	3.7	ppb v/v			09/04/24 21:34	49.6
Tetrachloroethene	3600	E	9.9	1.0	ppb v/v			09/04/24 21:34	49.6
Methyl Butyl Ketone (2-Hexanone)	25	U	25	7.4	ppb v/v			09/04/24 21:34	49.6
Dibromochloromethane	9.9	U	9.9	3.1	ppb v/v			09/04/24 21:34	49.6
1,2-Dibromoethane	9.9	U	9.9	2.1	ppb v/v			09/04/24 21:34	49.6
Chlorobenzene	9.9	U	9.9	2.2	ppb v/v			09/04/24 21:34	49.6
Ethylbenzene	9.9	U	9.9	3.4	ppb v/v			09/04/24 21:34	49.6
m,p-Xylene	25	U	25	4.7	ppb v/v			09/04/24 21:34	49.6
o-Xylene	9.9	U	9.9	3.1	ppb v/v			09/04/24 21:34	49.6
Styrene	9.9	U	9.9	2.9	ppb v/v			09/04/24 21:34	49.6
Bromoform	9.9	U	9.9	6.0	ppb v/v			09/04/24 21:34	49.6

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Date Collected: 08/30/24 07:29

Matrix: Air

Date Received: 08/31/24 10:00

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
Cumene	9.9	U	9.9	2.0	ppb v/v			09/04/24 21:34	49.6
1,1,2,2-Tetrachloroethane	9.9	U	9.9	2.1	ppb v/v			09/04/24 21:34	49.6
n-Propylbenzene	9.9	U	9.9	2.3	ppb v/v			09/04/24 21:34	49.6
4-Ethyltoluene	9.9	U	9.9	2.4	ppb v/v			09/04/24 21:34	49.6
1,3,5-Trimethylbenzene	9.9	U	9.9	2.3	ppb v/v			09/04/24 21:34	49.6
2-Chlorotoluene	9.9	U	9.9	2.3	ppb v/v			09/04/24 21:34	49.6
tert-Butylbenzene	9.9	U	9.9	2.3	ppb v/v			09/04/24 21:34	49.6
1,2,4-Trimethylbenzene	9.9	U	9.9	4.0	ppb v/v			09/04/24 21:34	49.6
sec-Butylbenzene	9.9	U	9.9	2.2	ppb v/v			09/04/24 21:34	49.6
4-Isopropyltoluene	9.9	U	9.9	3.0	ppb v/v			09/04/24 21:34	49.6
1,3-Dichlorobenzene	9.9	U	9.9	3.7	ppb v/v			09/04/24 21:34	49.6
1,4-Dichlorobenzene	9.9	U	9.9	4.4	ppb v/v			09/04/24 21:34	49.6
Benzyl chloride	9.9	U	9.9	4.4	ppb v/v			09/04/24 21:34	49.6
n-Butylbenzene	9.9	U	9.9	5.5	ppb v/v			09/04/24 21:34	49.6
1,2-Dichlorobenzene	9.9	U	9.9	3.3	ppb v/v			09/04/24 21:34	49.6
1,2,4-Trichlorobenzene	25	U	25	16	ppb v/v			09/04/24 21:34	49.6
Hexachlorobutadiene	9.9	U	9.9	5.5	ppb v/v			09/04/24 21:34	49.6
Naphthalene	25	U	25	15	ppb v/v			09/04/24 21:34	49.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	630	U	630	140	ug/m3			09/04/24 22:27	253
Chlorodifluoromethane	450	U	450	110	ug/m3			09/04/24 22:27	253
1,2-Dichlorotetrafluoroethane	350	U	350	85	ug/m3			09/04/24 22:27	253
Chloromethane	260	U	260	78	ug/m3			09/04/24 22:27	253
n-Butane	300	U	300	120	ug/m3			09/04/24 22:27	253
Vinyl chloride	51	U	51	14	ug/m3			09/04/24 22:27	253
1,3-Butadiene	110	U	110	22	ug/m3			09/04/24 22:27	253
Bromomethane	200	U	200	70	ug/m3			09/04/24 22:27	253
Chloroethane	330	U	330	120	ug/m3			09/04/24 22:27	253
Bromoethene(Vinyl Bromide)	220	U	220	55	ug/m3			09/04/24 22:27	253
Trichlorofluoromethane	280	U	280	71	ug/m3			09/04/24 22:27	253
1,1,2-Trichlorotrifluoroethane	390	U	390	100	ug/m3			09/04/24 22:27	253
1,1-Dichloroethene	51	U	51	26	ug/m3			09/04/24 22:27	253
Ethanol	2400	U	2400	1200	ug/m3			09/04/24 22:27	253
Acetone	3000	U	3000	960	ug/m3			09/04/24 22:27	253
Isopropyl alcohol	3100	U	3100	1000	ug/m3			09/04/24 22:27	253
Carbon disulfide	390	U	390	100	ug/m3			09/04/24 22:27	253
3-Chloropropene	400	U	400	95	ug/m3			09/04/24 22:27	253
Methylene Chloride	440	U	440	160	ug/m3			09/04/24 22:27	253
tert-Butyl alcohol	3800	U	3800	920	ug/m3			09/04/24 22:27	253
Methyl tert-butyl ether	180	U	180	33	ug/m3			09/04/24 22:27	253
trans-1,2-Dichloroethene	200	U	200	23	ug/m3			09/04/24 22:27	253
n-Hexane	450	U	450	98	ug/m3			09/04/24 22:27	253
1,1-Dichloroethane	200	U	200	26	ug/m3			09/04/24 22:27	253
Methyl Ethyl Ketone (2-Butanone)	370	U	370	370	ug/m3			09/04/24 22:27	253
cis-1,2-Dichloroethene	51	U	51	21	ug/m3			09/04/24 22:27	253
Chloroform	250	U	250	51	ug/m3			09/04/24 22:27	253
Tetrahydrofuran	3700	U	3700	970	ug/m3			09/04/24 22:27	253

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Date Collected: 08/30/24 07:29

Matrix: Air

Date Received: 08/31/24 10:00

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	280	U	280	61	ug/m3			09/04/24 22:27	253
Cyclohexane	170	U	170	51	ug/m3			09/04/24 22:27	253
Carbon tetrachloride	56	U	56	35	ug/m3			09/04/24 22:27	253
2,2,4-Trimethylpentane	240	U	240	45	ug/m3			09/04/24 22:27	253
Benzene	160	U	160	36	ug/m3			09/04/24 22:27	253
1,2-Dichloroethane	200	U	200	95	ug/m3			09/04/24 22:27	253
n-Heptane	210	U	210	57	ug/m3			09/04/24 22:27	253
Trichloroethene	140	D	51	34	ug/m3			09/04/24 22:27	253
Methyl methacrylate	520	U	520	150	ug/m3			09/04/24 22:27	253
1,2-Dichloropropane	230	U	230	110	ug/m3			09/04/24 22:27	253
1,4-Dioxane	4600	U	4600	75	ug/m3			09/04/24 22:27	253
Bromodichloromethane	340	U	340	85	ug/m3			09/04/24 22:27	253
cis-1,3-Dichloropropene	230	U	230	52	ug/m3			09/04/24 22:27	253
4-Methyl-2-pentanone (Methyl isobutyl ketone)	520	U	520	130	ug/m3			09/04/24 22:27	253
Toluene	190	U	190	59	ug/m3			09/04/24 22:27	253
trans-1,3-Dichloropropene	230	U	230	62	ug/m3			09/04/24 22:27	253
1,1,2-Trichloroethane	280	U	280	100	ug/m3			09/04/24 22:27	253
Tetrachloroethene	27000	D	340	36	ug/m3			09/04/24 22:27	253
Methyl Butyl Ketone (2-Hexanone)	520	U	520	160	ug/m3			09/04/24 22:27	253
Dibromochloromethane	430	U	430	140	ug/m3			09/04/24 22:27	253
1,2-Dibromoethane	390	U	390	82	ug/m3			09/04/24 22:27	253
Chlorobenzene	230	U	230	51	ug/m3			09/04/24 22:27	253
Ethylbenzene	220	U	220	76	ug/m3			09/04/24 22:27	253
m,p-Xylene	550	U	550	100	ug/m3			09/04/24 22:27	253
o-Xylene	220	U	220	69	ug/m3			09/04/24 22:27	253
Styrene	220	U	220	64	ug/m3			09/04/24 22:27	253
Bromoform	520	U	520	310	ug/m3			09/04/24 22:27	253
Cumene	250	U	250	51	ug/m3			09/04/24 22:27	253
1,1,2,2-Tetrachloroethane	350	U	350	75	ug/m3			09/04/24 22:27	253
n-Propylbenzene	250	U	250	58	ug/m3			09/04/24 22:27	253
4-Ethyltoluene	250	U	250	61	ug/m3			09/04/24 22:27	253
1,3,5-Trimethylbenzene	250	U	250	58	ug/m3			09/04/24 22:27	253
2-Chlorotoluene	260	U	260	60	ug/m3			09/04/24 22:27	253
tert-Butylbenzene	280	U	280	65	ug/m3			09/04/24 22:27	253
1,2,4-Trimethylbenzene	250	U	250	100	ug/m3			09/04/24 22:27	253
sec-Butylbenzene	280	U	280	62	ug/m3			09/04/24 22:27	253
4-Isopropyltoluene	280	U	280	85	ug/m3			09/04/24 22:27	253
1,3-Dichlorobenzene	300	U	300	110	ug/m3			09/04/24 22:27	253
1,4-Dichlorobenzene	300	U	300	140	ug/m3			09/04/24 22:27	253
Benzyl chloride	260	U	260	120	ug/m3			09/04/24 22:27	253
n-Butylbenzene	280	U	280	150	ug/m3			09/04/24 22:27	253
1,2-Dichlorobenzene	300	U	300	100	ug/m3			09/04/24 22:27	253
1,2,4-Trichlorobenzene	940	U	940	620	ug/m3			09/04/24 22:27	253
Hexachlorobutadiene	540	U	540	300	ug/m3			09/04/24 22:27	253
Naphthalene	660	U	660	400	ug/m3			09/04/24 22:27	253
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	130	U	130	28	ppb v/v			09/04/24 22:27	253

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Date Collected: 08/30/24 07:29

Matrix: Air

Date Received: 08/31/24 10:00

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodifluoromethane	130	U	130	30	ppb v/v			09/04/24 22:27	253
1,2-Dichlorotetrafluoroethane	51	U	51	12	ppb v/v			09/04/24 22:27	253
Chloromethane	130	U	130	38	ppb v/v			09/04/24 22:27	253
n-Butane	130	U	130	51	ppb v/v			09/04/24 22:27	253
Vinyl chloride	20	U	20	5.3	ppb v/v			09/04/24 22:27	253
1,3-Butadiene	51	U	51	9.9	ppb v/v			09/04/24 22:27	253
Bromomethane	51	U	51	18	ppb v/v			09/04/24 22:27	253
Chloroethane	130	U	130	46	ppb v/v			09/04/24 22:27	253
Bromoethene(Vinyl Bromide)	51	U	51	13	ppb v/v			09/04/24 22:27	253
Trichlorofluoromethane	51	U	51	13	ppb v/v			09/04/24 22:27	253
1,1,2-Trichlorotrifluoroethane	51	U	51	13	ppb v/v			09/04/24 22:27	253
1,1-Dichloroethene	13	U	13	6.6	ppb v/v			09/04/24 22:27	253
Ethanol	1300	U	1300	660	ppb v/v			09/04/24 22:27	253
Acetone	1300	U	1300	400	ppb v/v			09/04/24 22:27	253
Isopropyl alcohol	1300	U	1300	400	ppb v/v			09/04/24 22:27	253
Carbon disulfide	130	U	130	33	ppb v/v			09/04/24 22:27	253
3-Chloropropene	130	U	130	30	ppb v/v			09/04/24 22:27	253
Methylene Chloride	130	U	130	46	ppb v/v			09/04/24 22:27	253
tert-Butyl alcohol	1300	U	1300	300	ppb v/v			09/04/24 22:27	253
Methyl tert-butyl ether	51	U	51	9.1	ppb v/v			09/04/24 22:27	253
trans-1,2-Dichloroethene	51	U	51	5.8	ppb v/v			09/04/24 22:27	253
n-Hexane	130	U	130	28	ppb v/v			09/04/24 22:27	253
1,1-Dichloroethane	51	U	51	6.3	ppb v/v			09/04/24 22:27	253
Methyl Ethyl Ketone (2-Butanone)	130	U	130	120	ppb v/v			09/04/24 22:27	253
cis-1,2-Dichloroethene	13	U	13	5.3	ppb v/v			09/04/24 22:27	253
Chloroform	51	U	51	10	ppb v/v			09/04/24 22:27	253
Tetrahydrofuran	1300	U	1300	330	ppb v/v			09/04/24 22:27	253
1,1,1-Trichloroethane	51	U	51	11	ppb v/v			09/04/24 22:27	253
Cyclohexane	51	U	51	15	ppb v/v			09/04/24 22:27	253
Carbon tetrachloride	8.8	U	8.8	5.6	ppb v/v			09/04/24 22:27	253
2,2,4-Trimethylpentane	51	U	51	9.6	ppb v/v			09/04/24 22:27	253
Benzene	51	U	51	11	ppb v/v			09/04/24 22:27	253
1,2-Dichloroethane	51	U	51	24	ppb v/v			09/04/24 22:27	253
n-Heptane	51	U	51	14	ppb v/v			09/04/24 22:27	253
Trichloroethene	27	D	9.4	6.3	ppb v/v			09/04/24 22:27	253
Methyl methacrylate	130	U	130	35	ppb v/v			09/04/24 22:27	253
1,2-Dichloropropane	51	U	51	24	ppb v/v			09/04/24 22:27	253
1,4-Dioxane	1300	U	1300	21	ppb v/v			09/04/24 22:27	253
Bromodichloromethane	51	U	51	13	ppb v/v			09/04/24 22:27	253
cis-1,3-Dichloropropene	51	U	51	11	ppb v/v			09/04/24 22:27	253
4-Methyl-2-pentanone (Methyl isobutyl ketone)	130	U	130	33	ppb v/v			09/04/24 22:27	253
Toluene	51	U	51	16	ppb v/v			09/04/24 22:27	253
trans-1,3-Dichloropropene	51	U	51	14	ppb v/v			09/04/24 22:27	253
1,1,2-Trichloroethane	51	U	51	19	ppb v/v			09/04/24 22:27	253
Tetrachloroethene	4000	D	51	5.3	ppb v/v			09/04/24 22:27	253
Methyl Butyl Ketone (2-Hexanone)	130	U	130	38	ppb v/v			09/04/24 22:27	253
Dibromochloromethane	51	U	51	16	ppb v/v			09/04/24 22:27	253
1,2-Dibromoethane	51	U	51	11	ppb v/v			09/04/24 22:27	253

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Date Collected: 08/30/24 07:29

Matrix: Air

Date Received: 08/31/24 10:00

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	51	U	51	11	ppb v/v			09/04/24 22:27	253
Ethylbenzene	51	U	51	17	ppb v/v			09/04/24 22:27	253
m,p-Xylene	130	U	130	24	ppb v/v			09/04/24 22:27	253
o-Xylene	51	U	51	16	ppb v/v			09/04/24 22:27	253
Styrene	51	U	51	15	ppb v/v			09/04/24 22:27	253
Bromoform	51	U	51	30	ppb v/v			09/04/24 22:27	253
Cumene	51	U	51	10	ppb v/v			09/04/24 22:27	253
1,1,2,2-Tetrachloroethane	51	U	51	11	ppb v/v			09/04/24 22:27	253
n-Propylbenzene	51	U	51	12	ppb v/v			09/04/24 22:27	253
4-Ethyltoluene	51	U	51	12	ppb v/v			09/04/24 22:27	253
1,3,5-Trimethylbenzene	51	U	51	12	ppb v/v			09/04/24 22:27	253
2-Chlorotoluene	51	U	51	12	ppb v/v			09/04/24 22:27	253
tert-Butylbenzene	51	U	51	12	ppb v/v			09/04/24 22:27	253
1,2,4-Trimethylbenzene	51	U	51	20	ppb v/v			09/04/24 22:27	253
sec-Butylbenzene	51	U	51	11	ppb v/v			09/04/24 22:27	253
4-Isopropyltoluene	51	U	51	15	ppb v/v			09/04/24 22:27	253
1,3-Dichlorobenzene	51	U	51	19	ppb v/v			09/04/24 22:27	253
1,4-Dichlorobenzene	51	U	51	23	ppb v/v			09/04/24 22:27	253
Benzyl chloride	51	U	51	22	ppb v/v			09/04/24 22:27	253
n-Butylbenzene	51	U	51	28	ppb v/v			09/04/24 22:27	253
1,2-Dichlorobenzene	51	U	51	17	ppb v/v			09/04/24 22:27	253
1,2,4-Trichlorobenzene	130	U	130	83	ppb v/v			09/04/24 22:27	253
Hexachlorobutadiene	51	U	51	28	ppb v/v			09/04/24 22:27	253
Naphthalene	130	U	130	76	ppb v/v			09/04/24 22:27	253

Method: ASTM D1946 - Fixed Gases (Helium)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.025	U	0.025	0.0082	% v/v			09/06/24 20:17	1

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Date Collected: 08/30/24 07:33

Matrix: Air

Date Received: 08/31/24 10:00

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	49	U	49	11	ug/m3			09/04/24 23:20	19.9
Chlorodifluoromethane	35	U	35	8.4	ug/m3			09/04/24 23:20	19.9
1,2-Dichlorotetrafluoroethane	28	U	28	6.7	ug/m3			09/04/24 23:20	19.9
Chloromethane	21	U	21	6.2	ug/m3			09/04/24 23:20	19.9
n-Butane	24	U	24	9.5	ug/m3			09/04/24 23:20	19.9
Vinyl chloride	4.0	U	4.0	1.1	ug/m3			09/04/24 23:20	19.9
1,3-Butadiene	8.8	U	8.8	1.7	ug/m3			09/04/24 23:20	19.9
Bromomethane	15	U	15	5.5	ug/m3			09/04/24 23:20	19.9
Chloroethane	26	U	26	9.5	ug/m3			09/04/24 23:20	19.9
Bromoethene(Vinyl Bromide)	17	U	17	4.4	ug/m3			09/04/24 23:20	19.9
Trichlorofluoromethane	22	U	22	5.6	ug/m3			09/04/24 23:20	19.9
1,1,2-Trichlorotrifluoroethane	31	U	31	8.1	ug/m3			09/04/24 23:20	19.9
1,1-Dichloroethene	4.0	U	4.0	2.1	ug/m3			09/04/24 23:20	19.9

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Date Collected: 08/30/24 07:33

Matrix: Air

Date Received: 08/31/24 10:00

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
Ethanol	190	U	190	97	ug/m3			09/04/24 23:20	19.9
Acetone	240	U	240	76	ug/m3			09/04/24 23:20	19.9
Isopropyl alcohol	240	U	240	78	ug/m3			09/04/24 23:20	19.9
Carbon disulfide	31	U	31	8.1	ug/m3			09/04/24 23:20	19.9
3-Chloropropene	31	U	31	7.5	ug/m3			09/04/24 23:20	19.9
Methylene Chloride	35	U	35	12	ug/m3			09/04/24 23:20	19.9
tert-Butyl alcohol	300	U	300	72	ug/m3			09/04/24 23:20	19.9
Methyl tert-butyl ether	14	U	14	2.6	ug/m3			09/04/24 23:20	19.9
trans-1,2-Dichloroethene	16	U	16	1.8	ug/m3			09/04/24 23:20	19.9
n-Hexane	35	U	35	7.7	ug/m3			09/04/24 23:20	19.9
1,1-Dichloroethane	16	U	16	2.0	ug/m3			09/04/24 23:20	19.9
Methyl Ethyl Ketone (2-Butanone)	29	U	29	29	ug/m3			09/04/24 23:20	19.9
cis-1,2-Dichloroethene	4.0	U	4.0	1.7	ug/m3			09/04/24 23:20	19.9
Chloroform	19	U	19	4.0	ug/m3			09/04/24 23:20	19.9
Tetrahydrofuran	290	U	290	76	ug/m3			09/04/24 23:20	19.9
1,1,1-Trichloroethane	22	U	22	4.8	ug/m3			09/04/24 23:20	19.9
Cyclohexane	14	U	14	4.0	ug/m3			09/04/24 23:20	19.9
Carbon tetrachloride	4.4	U	4.4	2.8	ug/m3			09/04/24 23:20	19.9
2,2,4-Trimethylpentane	19	U	19	3.5	ug/m3			09/04/24 23:20	19.9
Benzene	13	U	13	2.8	ug/m3			09/04/24 23:20	19.9
1,2-Dichloroethane	16	U	16	7.5	ug/m3			09/04/24 23:20	19.9
n-Heptane	16	U	16	4.5	ug/m3			09/04/24 23:20	19.9
Trichloroethene	29		4.0	2.7	ug/m3			09/04/24 23:20	19.9
Methyl methacrylate	41	U	41	11	ug/m3			09/04/24 23:20	19.9
1,2-Dichloropropane	18	U	18	8.6	ug/m3			09/04/24 23:20	19.9
1,4-Dioxane	360	U	360	5.9	ug/m3			09/04/24 23:20	19.9
Bromodichloromethane	27	U	27	6.7	ug/m3			09/04/24 23:20	19.9
cis-1,3-Dichloropropene	18	U	18	4.1	ug/m3			09/04/24 23:20	19.9
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41	U	41	11	ug/m3			09/04/24 23:20	19.9
Toluene	15	U	15	4.6	ug/m3			09/04/24 23:20	19.9
trans-1,3-Dichloropropene	18	U	18	4.9	ug/m3			09/04/24 23:20	19.9
1,1,2-Trichloroethane	22	U	22	8.0	ug/m3			09/04/24 23:20	19.9
Tetrachloroethene	8300	E	27	2.8	ug/m3			09/04/24 23:20	19.9
Methyl Butyl Ketone (2-Hexanone)	41	U	41	12	ug/m3			09/04/24 23:20	19.9
Dibromochloromethane	34	U	34	11	ug/m3			09/04/24 23:20	19.9
1,2-Dibromoethane	31	U	31	6.4	ug/m3			09/04/24 23:20	19.9
Chlorobenzene	18	U	18	4.0	ug/m3			09/04/24 23:20	19.9
Ethylbenzene	17	U	17	6.0	ug/m3			09/04/24 23:20	19.9
m,p-Xylene	43	U	43	8.2	ug/m3			09/04/24 23:20	19.9
o-Xylene	17	U	17	5.4	ug/m3			09/04/24 23:20	19.9
Styrene	17	U	17	5.0	ug/m3			09/04/24 23:20	19.9
Bromoform	41	U	41	25	ug/m3			09/04/24 23:20	19.9
Cumene	20	U	20	4.0	ug/m3			09/04/24 23:20	19.9
1,1,2,2-Tetrachloroethane	27	U	27	5.9	ug/m3			09/04/24 23:20	19.9
n-Propylbenzene	20	U	20	4.6	ug/m3			09/04/24 23:20	19.9
4-Ethyltoluene	20	U	20	4.8	ug/m3			09/04/24 23:20	19.9
1,3,5-Trimethylbenzene	20	U	20	4.6	ug/m3			09/04/24 23:20	19.9
2-Chlorotoluene	21	U	21	4.7	ug/m3			09/04/24 23:20	19.9

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Date Collected: 08/30/24 07:33

Matrix: Air

Date Received: 08/31/24 10:00

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
tert-Butylbenzene	22	U	22	5.1	ug/m3			09/04/24 23:20	19.9
1,2,4-Trimethylbenzene	20	U	20	7.8	ug/m3			09/04/24 23:20	19.9
sec-Butylbenzene	22	U	22	4.9	ug/m3			09/04/24 23:20	19.9
4-Isopropyltoluene	22	U	22	6.7	ug/m3			09/04/24 23:20	19.9
1,3-Dichlorobenzene	24	U	24	8.9	ug/m3			09/04/24 23:20	19.9
1,4-Dichlorobenzene	24	U	24	11	ug/m3			09/04/24 23:20	19.9
Benzyl chloride	21	U	21	9.1	ug/m3			09/04/24 23:20	19.9
n-Butylbenzene	22	U	22	12	ug/m3			09/04/24 23:20	19.9
1,2-Dichlorobenzene	24	U	24	7.9	ug/m3			09/04/24 23:20	19.9
1,2,4-Trichlorobenzene	74	U	74	49	ug/m3			09/04/24 23:20	19.9
Hexachlorobutadiene	42	U	42	23	ug/m3			09/04/24 23:20	19.9
Naphthalene	52	U	52	31	ug/m3			09/04/24 23:20	19.9
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	10	U	10	2.2	ppb v/v			09/04/24 23:20	19.9
Chlorodifluoromethane	10	U	10	2.4	ppb v/v			09/04/24 23:20	19.9
1,2-Dichlorotetrafluoroethane	4.0	U	4.0	0.96	ppb v/v			09/04/24 23:20	19.9
Chloromethane	10	U	10	3.0	ppb v/v			09/04/24 23:20	19.9
n-Butane	10	U	10	4.0	ppb v/v			09/04/24 23:20	19.9
Vinyl chloride	1.6	U	1.6	0.42	ppb v/v			09/04/24 23:20	19.9
1,3-Butadiene	4.0	U	4.0	0.78	ppb v/v			09/04/24 23:20	19.9
Bromomethane	4.0	U	4.0	1.4	ppb v/v			09/04/24 23:20	19.9
Chloroethane	10	U	10	3.6	ppb v/v			09/04/24 23:20	19.9
Bromoethene(Vinyl Bromide)	4.0	U	4.0	1.0	ppb v/v			09/04/24 23:20	19.9
Trichlorofluoromethane	4.0	U	4.0	1.0	ppb v/v			09/04/24 23:20	19.9
1,1,2-Trichlorotrifluoroethane	4.0	U	4.0	1.1	ppb v/v			09/04/24 23:20	19.9
1,1-Dichloroethene	1.0	U	1.0	0.52	ppb v/v			09/04/24 23:20	19.9
Ethanol	100	U	100	52	ppb v/v			09/04/24 23:20	19.9
Acetone	100	U	100	32	ppb v/v			09/04/24 23:20	19.9
Isopropyl alcohol	100	U	100	32	ppb v/v			09/04/24 23:20	19.9
Carbon disulfide	10	U	10	2.6	ppb v/v			09/04/24 23:20	19.9
3-Chloropropene	10	U	10	2.4	ppb v/v			09/04/24 23:20	19.9
Methylene Chloride	10	U	10	3.6	ppb v/v			09/04/24 23:20	19.9
tert-Butyl alcohol	100	U	100	24	ppb v/v			09/04/24 23:20	19.9
Methyl tert-butyl ether	4.0	U	4.0	0.72	ppb v/v			09/04/24 23:20	19.9
trans-1,2-Dichloroethene	4.0	U	4.0	0.46	ppb v/v			09/04/24 23:20	19.9
n-Hexane	10	U	10	2.2	ppb v/v			09/04/24 23:20	19.9
1,1-Dichloroethane	4.0	U	4.0	0.50	ppb v/v			09/04/24 23:20	19.9
Methyl Ethyl Ketone (2-Butanone)	10	U	10	9.8	ppb v/v			09/04/24 23:20	19.9
cis-1,2-Dichloroethene	1.0	U	1.0	0.42	ppb v/v			09/04/24 23:20	19.9
Chloroform	4.0	U	4.0	0.82	ppb v/v			09/04/24 23:20	19.9
Tetrahydrofuran	100	U	100	26	ppb v/v			09/04/24 23:20	19.9
1,1,1-Trichloroethane	4.0	U	4.0	0.88	ppb v/v			09/04/24 23:20	19.9
Cyclohexane	4.0	U	4.0	1.2	ppb v/v			09/04/24 23:20	19.9
Carbon tetrachloride	0.70	U	0.70	0.44	ppb v/v			09/04/24 23:20	19.9
2,2,4-Trimethylpentane	4.0	U	4.0	0.76	ppb v/v			09/04/24 23:20	19.9
Benzene	4.0	U	4.0	0.88	ppb v/v			09/04/24 23:20	19.9
1,2-Dichloroethane	4.0	U	4.0	1.9	ppb v/v			09/04/24 23:20	19.9
n-Heptane	4.0	U	4.0	1.1	ppb v/v			09/04/24 23:20	19.9

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Date Collected: 08/30/24 07:33

Matrix: Air

Date Received: 08/31/24 10:00

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	5.5		0.74	0.50	ppb v/v			09/04/24 23:20	19.9
Methyl methacrylate	10	U	10	2.8	ppb v/v			09/04/24 23:20	19.9
1,2-Dichloropropane	4.0	U	4.0	1.9	ppb v/v			09/04/24 23:20	19.9
1,4-Dioxane	100	U	100	1.6	ppb v/v			09/04/24 23:20	19.9
Bromodichloromethane	4.0	U	4.0	1.0	ppb v/v			09/04/24 23:20	19.9
cis-1,3-Dichloropropene	4.0	U	4.0	0.90	ppb v/v			09/04/24 23:20	19.9
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	U	10	2.6	ppb v/v			09/04/24 23:20	19.9
Toluene	4.0	U	4.0	1.2	ppb v/v			09/04/24 23:20	19.9
trans-1,3-Dichloropropene	4.0	U	4.0	1.1	ppb v/v			09/04/24 23:20	19.9
1,1,2-Trichloroethane	4.0	U	4.0	1.5	ppb v/v			09/04/24 23:20	19.9
Tetrachloroethene	1200	E	4.0	0.42	ppb v/v			09/04/24 23:20	19.9
Methyl Butyl Ketone (2-Hexanone)	10	U	10	3.0	ppb v/v			09/04/24 23:20	19.9
Dibromochloromethane	4.0	U	4.0	1.3	ppb v/v			09/04/24 23:20	19.9
1,2-Dibromoethane	4.0	U	4.0	0.84	ppb v/v			09/04/24 23:20	19.9
Chlorobenzene	4.0	U	4.0	0.88	ppb v/v			09/04/24 23:20	19.9
Ethylbenzene	4.0	U	4.0	1.4	ppb v/v			09/04/24 23:20	19.9
m,p-Xylene	10	U	10	1.9	ppb v/v			09/04/24 23:20	19.9
o-Xylene	4.0	U	4.0	1.3	ppb v/v			09/04/24 23:20	19.9
Styrene	4.0	U	4.0	1.2	ppb v/v			09/04/24 23:20	19.9
Bromoform	4.0	U	4.0	2.4	ppb v/v			09/04/24 23:20	19.9
Cumene	4.0	U	4.0	0.82	ppb v/v			09/04/24 23:20	19.9
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.86	ppb v/v			09/04/24 23:20	19.9
n-Propylbenzene	4.0	U	4.0	0.94	ppb v/v			09/04/24 23:20	19.9
4-Ethyltoluene	4.0	U	4.0	0.98	ppb v/v			09/04/24 23:20	19.9
1,3,5-Trimethylbenzene	4.0	U	4.0	0.94	ppb v/v			09/04/24 23:20	19.9
2-Chlorotoluene	4.0	U	4.0	0.92	ppb v/v			09/04/24 23:20	19.9
tert-Butylbenzene	4.0	U	4.0	0.94	ppb v/v			09/04/24 23:20	19.9
1,2,4-Trimethylbenzene	4.0	U	4.0	1.6	ppb v/v			09/04/24 23:20	19.9
sec-Butylbenzene	4.0	U	4.0	0.90	ppb v/v			09/04/24 23:20	19.9
4-Isopropyltoluene	4.0	U	4.0	1.2	ppb v/v			09/04/24 23:20	19.9
1,3-Dichlorobenzene	4.0	U	4.0	1.5	ppb v/v			09/04/24 23:20	19.9
1,4-Dichlorobenzene	4.0	U	4.0	1.8	ppb v/v			09/04/24 23:20	19.9
Benzyl chloride	4.0	U	4.0	1.8	ppb v/v			09/04/24 23:20	19.9
n-Butylbenzene	4.0	U	4.0	2.2	ppb v/v			09/04/24 23:20	19.9
1,2-Dichlorobenzene	4.0	U	4.0	1.3	ppb v/v			09/04/24 23:20	19.9
1,2,4-Trichlorobenzene	10	U	10	6.6	ppb v/v			09/04/24 23:20	19.9
Hexachlorobutadiene	4.0	U	4.0	2.2	ppb v/v			09/04/24 23:20	19.9
Naphthalene	10	U	10	6.0	ppb v/v			09/04/24 23:20	19.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	250	U	250	55	ug/m3			09/05/24 00:13	101
Chlorodifluoromethane	180	U	180	43	ug/m3			09/05/24 00:13	101
1,2-Dichlorotetrafluoroethane	140	U	140	34	ug/m3			09/05/24 00:13	101
Chloromethane	100	U	100	31	ug/m3			09/05/24 00:13	101
n-Butane	120	U	120	48	ug/m3			09/05/24 00:13	101
Vinyl chloride	20	U	20	5.4	ug/m3			09/05/24 00:13	101
1,3-Butadiene	45	U	45	8.7	ug/m3			09/05/24 00:13	101

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Date Collected: 08/30/24 07:33

Matrix: Air

Date Received: 08/31/24 10:00

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	78	U	78	28	ug/m3			09/05/24 00:13	101
Chloroethane	130	U	130	48	ug/m3			09/05/24 00:13	101
Bromoethene(Vinyl Bromide)	88	U	88	22	ug/m3			09/05/24 00:13	101
Trichlorofluoromethane	110	U	110	28	ug/m3			09/05/24 00:13	101
1,1,2-Trichlorotrifluoroethane	150	U	150	41	ug/m3			09/05/24 00:13	101
1,1-Dichloroethene	20	U	20	10	ug/m3			09/05/24 00:13	101
Ethanol	950	U	950	490	ug/m3			09/05/24 00:13	101
Acetone	1200	U	1200	380	ug/m3			09/05/24 00:13	101
Isopropyl alcohol	1200	U	1200	400	ug/m3			09/05/24 00:13	101
Carbon disulfide	160	U	160	41	ug/m3			09/05/24 00:13	101
3-Chloropropene	160	U	160	38	ug/m3			09/05/24 00:13	101
Methylene Chloride	180	U	180	63	ug/m3			09/05/24 00:13	101
tert-Butyl alcohol	1500	U	1500	370	ug/m3			09/05/24 00:13	101
Methyl tert-butyl ether	73	U	73	13	ug/m3			09/05/24 00:13	101
trans-1,2-Dichloroethene	80	U	80	9.2	ug/m3			09/05/24 00:13	101
n-Hexane	180	U	180	39	ug/m3			09/05/24 00:13	101
1,1-Dichloroethane	82	U	82	10	ug/m3			09/05/24 00:13	101
Methyl Ethyl Ketone (2-Butanone)	150	U	150	150	ug/m3			09/05/24 00:13	101
cis-1,2-Dichloroethene	20	U	20	8.4	ug/m3			09/05/24 00:13	101
Chloroform	99	U	99	20	ug/m3			09/05/24 00:13	101
Tetrahydrofuran	1500	U	1500	390	ug/m3			09/05/24 00:13	101
1,1,1-Trichloroethane	110	U	110	24	ug/m3			09/05/24 00:13	101
Cyclohexane	70	U	70	20	ug/m3			09/05/24 00:13	101
Carbon tetrachloride	22	U	22	14	ug/m3			09/05/24 00:13	101
2,2,4-Trimethylpentane	94	U	94	18	ug/m3			09/05/24 00:13	101
Benzene	65	U	65	14	ug/m3			09/05/24 00:13	101
1,2-Dichloroethane	82	U	82	38	ug/m3			09/05/24 00:13	101
n-Heptane	83	U	83	23	ug/m3			09/05/24 00:13	101
Trichloroethene	25	D	20	14	ug/m3			09/05/24 00:13	101
Methyl methacrylate	210	U	210	58	ug/m3			09/05/24 00:13	101
1,2-Dichloropropane	93	U	93	44	ug/m3			09/05/24 00:13	101
1,4-Dioxane	1800	U	1800	30	ug/m3			09/05/24 00:13	101
Bromodichloromethane	140	U	140	34	ug/m3			09/05/24 00:13	101
cis-1,3-Dichloropropene	92	U	92	21	ug/m3			09/05/24 00:13	101
4-Methyl-2-pentanone (Methyl isobutyl ketone)	210	U	210	54	ug/m3			09/05/24 00:13	101
Toluene	76	U	76	24	ug/m3			09/05/24 00:13	101
trans-1,3-Dichloropropene	92	U	92	25	ug/m3			09/05/24 00:13	101
1,1,2-Trichloroethane	110	U	110	41	ug/m3			09/05/24 00:13	101
Tetrachloroethene	7100	D	140	14	ug/m3			09/05/24 00:13	101
Methyl Butyl Ketone (2-Hexanone)	210	U	210	62	ug/m3			09/05/24 00:13	101
Dibromochloromethane	170	U	170	54	ug/m3			09/05/24 00:13	101
1,2-Dibromoethane	160	U	160	33	ug/m3			09/05/24 00:13	101
Chlorobenzene	93	U	93	20	ug/m3			09/05/24 00:13	101
Ethylbenzene	88	U	88	30	ug/m3			09/05/24 00:13	101
m,p-Xylene	220	U	220	42	ug/m3			09/05/24 00:13	101
o-Xylene	88	U	88	28	ug/m3			09/05/24 00:13	101
Styrene	86	U	86	25	ug/m3			09/05/24 00:13	101
Bromoform	210	U	210	130	ug/m3			09/05/24 00:13	101

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Date Collected: 08/30/24 07:33

Matrix: Air

Date Received: 08/31/24 10:00

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cumene	99	U	99	20	ug/m3			09/05/24 00:13	101
1,1,2,2-Tetrachloroethane	140	U	140	30	ug/m3			09/05/24 00:13	101
n-Propylbenzene	99	U	99	23	ug/m3			09/05/24 00:13	101
4-Ethyltoluene	99	U	99	24	ug/m3			09/05/24 00:13	101
1,3,5-Trimethylbenzene	99	U	99	23	ug/m3			09/05/24 00:13	101
2-Chlorotoluene	100	U	100	24	ug/m3			09/05/24 00:13	101
tert-Butylbenzene	110	U	110	26	ug/m3			09/05/24 00:13	101
1,2,4-Trimethylbenzene	99	U	99	40	ug/m3			09/05/24 00:13	101
sec-Butylbenzene	110	U	110	25	ug/m3			09/05/24 00:13	101
4-Isopropyltoluene	110	U	110	34	ug/m3			09/05/24 00:13	101
1,3-Dichlorobenzene	120	U	120	45	ug/m3			09/05/24 00:13	101
1,4-Dichlorobenzene	120	U	120	54	ug/m3			09/05/24 00:13	101
Benzyl chloride	100	U	100	46	ug/m3			09/05/24 00:13	101
n-Butylbenzene	110	U	110	61	ug/m3			09/05/24 00:13	101
1,2-Dichlorobenzene	120	U	120	40	ug/m3			09/05/24 00:13	101
1,2,4-Trichlorobenzene	370	U	370	250	ug/m3			09/05/24 00:13	101
Hexachlorobutadiene	220	U	220	120	ug/m3			09/05/24 00:13	101
Naphthalene	260	U	260	160	ug/m3			09/05/24 00:13	101
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	51	U	51	11	ppb v/v			09/05/24 00:13	101
Chlorodifluoromethane	51	U	51	12	ppb v/v			09/05/24 00:13	101
1,2-Dichlorotetrafluoroethane	20	U	20	4.8	ppb v/v			09/05/24 00:13	101
Chloromethane	51	U	51	15	ppb v/v			09/05/24 00:13	101
n-Butane	51	U	51	20	ppb v/v			09/05/24 00:13	101
Vinyl chloride	7.9	U	7.9	2.1	ppb v/v			09/05/24 00:13	101
1,3-Butadiene	20	U	20	3.9	ppb v/v			09/05/24 00:13	101
Bromomethane	20	U	20	7.2	ppb v/v			09/05/24 00:13	101
Chloroethane	51	U	51	18	ppb v/v			09/05/24 00:13	101
Bromoethene(Vinyl Bromide)	20	U	20	5.1	ppb v/v			09/05/24 00:13	101
Trichlorofluoromethane	20	U	20	5.1	ppb v/v			09/05/24 00:13	101
1,1,2-Trichlorotrifluoroethane	20	U	20	5.4	ppb v/v			09/05/24 00:13	101
1,1-Dichloroethene	5.1	U	5.1	2.6	ppb v/v			09/05/24 00:13	101
Ethanol	510	U	510	260	ppb v/v			09/05/24 00:13	101
Acetone	510	U	510	160	ppb v/v			09/05/24 00:13	101
Isopropyl alcohol	510	U	510	160	ppb v/v			09/05/24 00:13	101
Carbon disulfide	51	U	51	13	ppb v/v			09/05/24 00:13	101
3-Chloropropene	51	U	51	12	ppb v/v			09/05/24 00:13	101
Methylene Chloride	51	U	51	18	ppb v/v			09/05/24 00:13	101
tert-Butyl alcohol	510	U	510	120	ppb v/v			09/05/24 00:13	101
Methyl tert-butyl ether	20	U	20	3.6	ppb v/v			09/05/24 00:13	101
trans-1,2-Dichloroethene	20	U	20	2.3	ppb v/v			09/05/24 00:13	101
n-Hexane	51	U	51	11	ppb v/v			09/05/24 00:13	101
1,1-Dichloroethane	20	U	20	2.5	ppb v/v			09/05/24 00:13	101
Methyl Ethyl Ketone (2-Butanone)	51	U	51	49	ppb v/v			09/05/24 00:13	101
cis-1,2-Dichloroethene	5.1	U	5.1	2.1	ppb v/v			09/05/24 00:13	101
Chloroform	20	U	20	4.1	ppb v/v			09/05/24 00:13	101
Tetrahydrofuran	510	U	510	130	ppb v/v			09/05/24 00:13	101
1,1,1-Trichloroethane	20	U	20	4.4	ppb v/v			09/05/24 00:13	101

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Date Collected: 08/30/24 07:33

Matrix: Air

Date Received: 08/31/24 10:00

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	20	U	20	5.9	ppb v/v			09/05/24 00:13	101
Carbon tetrachloride	3.5	U	3.5	2.2	ppb v/v			09/05/24 00:13	101
2,2,4-Trimethylpentane	20	U	20	3.8	ppb v/v			09/05/24 00:13	101
Benzene	20	U	20	4.4	ppb v/v			09/05/24 00:13	101
1,2-Dichloroethane	20	U	20	9.4	ppb v/v			09/05/24 00:13	101
n-Heptane	20	U	20	5.6	ppb v/v			09/05/24 00:13	101
Trichloroethene	4.7	D	3.8	2.5	ppb v/v			09/05/24 00:13	101
Methyl methacrylate	51	U	51	14	ppb v/v			09/05/24 00:13	101
1,2-Dichloropropane	20	U	20	9.5	ppb v/v			09/05/24 00:13	101
1,4-Dioxane	510	U	510	8.3	ppb v/v			09/05/24 00:13	101
Bromodichloromethane	20	U	20	5.1	ppb v/v			09/05/24 00:13	101
cis-1,3-Dichloropropene	20	U	20	4.5	ppb v/v			09/05/24 00:13	101
4-Methyl-2-pentanone (Methyl isobutyl ketone)	51	U	51	13	ppb v/v			09/05/24 00:13	101
Toluene	20	U	20	6.3	ppb v/v			09/05/24 00:13	101
trans-1,3-Dichloropropene	20	U	20	5.5	ppb v/v			09/05/24 00:13	101
1,1,2-Trichloroethane	20	U	20	7.5	ppb v/v			09/05/24 00:13	101
Tetrachloroethene	1000	D	20	2.1	ppb v/v			09/05/24 00:13	101
Methyl Butyl Ketone (2-Hexanone)	51	U	51	15	ppb v/v			09/05/24 00:13	101
Dibromochloromethane	20	U	20	6.4	ppb v/v			09/05/24 00:13	101
1,2-Dibromoethane	20	U	20	4.2	ppb v/v			09/05/24 00:13	101
Chlorobenzene	20	U	20	4.4	ppb v/v			09/05/24 00:13	101
Ethylbenzene	20	U	20	7.0	ppb v/v			09/05/24 00:13	101
m,p-Xylene	51	U	51	9.6	ppb v/v			09/05/24 00:13	101
o-Xylene	20	U	20	6.4	ppb v/v			09/05/24 00:13	101
Styrene	20	U	20	6.0	ppb v/v			09/05/24 00:13	101
Bromoform	20	U	20	12	ppb v/v			09/05/24 00:13	101
Cumene	20	U	20	4.1	ppb v/v			09/05/24 00:13	101
1,1,2,2-Tetrachloroethane	20	U	20	4.3	ppb v/v			09/05/24 00:13	101
n-Propylbenzene	20	U	20	4.7	ppb v/v			09/05/24 00:13	101
4-Ethyltoluene	20	U	20	4.9	ppb v/v			09/05/24 00:13	101
1,3,5-Trimethylbenzene	20	U	20	4.7	ppb v/v			09/05/24 00:13	101
2-Chlorotoluene	20	U	20	4.6	ppb v/v			09/05/24 00:13	101
tert-Butylbenzene	20	U	20	4.7	ppb v/v			09/05/24 00:13	101
1,2,4-Trimethylbenzene	20	U	20	8.1	ppb v/v			09/05/24 00:13	101
sec-Butylbenzene	20	U	20	4.5	ppb v/v			09/05/24 00:13	101
4-Isopropyltoluene	20	U	20	6.2	ppb v/v			09/05/24 00:13	101
1,3-Dichlorobenzene	20	U	20	7.5	ppb v/v			09/05/24 00:13	101
1,4-Dichlorobenzene	20	U	20	9.0	ppb v/v			09/05/24 00:13	101
Benzyl chloride	20	U	20	8.9	ppb v/v			09/05/24 00:13	101
n-Butylbenzene	20	U	20	11	ppb v/v			09/05/24 00:13	101
1,2-Dichlorobenzene	20	U	20	6.7	ppb v/v			09/05/24 00:13	101
1,2,4-Trichlorobenzene	51	U	51	33	ppb v/v			09/05/24 00:13	101
Hexachlorobutadiene	20	U	20	11	ppb v/v			09/05/24 00:13	101
Naphthalene	51	U	51	30	ppb v/v			09/05/24 00:13	101

Method: ASTM D1946 - Fixed Gases (Helium)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.025	U	0.025	0.0082	% v/v			09/06/24 20:39	1

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ01

Lab Sample ID: 200-74969-4

Date Collected: 08/30/24 14:20

Matrix: Air

Date Received: 08/31/24 10:00

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	1.9	J	2.5	0.54	ug/m3			09/05/24 01:11	1
Chlorodifluoromethane	2.2		1.8	0.42	ug/m3			09/05/24 01:11	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/05/24 01:11	1
Chloromethane	0.96	J	1.0	0.31	ug/m3			09/05/24 01:11	1
n-Butane	3.7		1.2	0.48	ug/m3			09/05/24 01:11	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/05/24 01:11	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/05/24 01:11	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/05/24 01:11	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/05/24 01:11	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/05/24 01:11	1
Trichlorofluoromethane	0.97	J	1.1	0.28	ug/m3			09/05/24 01:11	1
1,1,2-Trichlorotrifluoroethane	0.42	J	1.5	0.41	ug/m3			09/05/24 01:11	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/05/24 01:11	1
Ethanol	17		9.4	4.9	ug/m3			09/05/24 01:11	1
Acetone	23		12	3.8	ug/m3			09/05/24 01:11	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/05/24 01:11	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			09/05/24 01:11	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/05/24 01:11	1
Methylene Chloride	0.92	J	1.7	0.63	ug/m3			09/05/24 01:11	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			09/05/24 01:11	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/05/24 01:11	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/05/24 01:11	1
n-Hexane	0.46	J	1.8	0.39	ug/m3			09/05/24 01:11	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/05/24 01:11	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/05/24 01:11	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/05/24 01:11	1
Chloroform	0.98	U	0.98	0.20	ug/m3			09/05/24 01:11	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/05/24 01:11	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/05/24 01:11	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/05/24 01:11	1
Carbon tetrachloride	0.33		0.22	0.14	ug/m3			09/05/24 01:11	1
2,2,4-Trimethylpentane	0.39	J	0.93	0.18	ug/m3			09/05/24 01:11	1
Benzene	0.38	J	0.64	0.14	ug/m3			09/05/24 01:11	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/05/24 01:11	1
n-Heptane	0.46	J	0.82	0.23	ug/m3			09/05/24 01:11	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/05/24 01:11	1
Methyl methacrylate	27		2.0	0.57	ug/m3			09/05/24 01:11	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/05/24 01:11	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/05/24 01:11	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/05/24 01:11	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/05/24 01:11	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/05/24 01:11	1
Toluene	17		0.75	0.23	ug/m3			09/05/24 01:11	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/05/24 01:11	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/05/24 01:11	1
Tetrachloroethene	2.4		1.4	0.14	ug/m3			09/05/24 01:11	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/05/24 01:11	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/05/24 01:11	1

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ01

Lab Sample ID: 200-74969-4

Date Collected: 08/30/24 14:20

Matrix: Air

Date Received: 08/31/24 10:00

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
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/05/24 01:11	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/05/24 01:11	1
Ethylbenzene	0.46	J	0.87	0.30	ug/m3			09/05/24 01:11	1
m,p-Xylene	1.0	J	2.2	0.41	ug/m3			09/05/24 01:11	1
o-Xylene	0.35	J	0.87	0.27	ug/m3			09/05/24 01:11	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/05/24 01:11	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/05/24 01:11	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/05/24 01:11	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/05/24 01:11	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/05/24 01:11	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/05/24 01:11	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/05/24 01:11	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/05/24 01:11	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/05/24 01:11	1
1,2,4-Trimethylbenzene	0.39	J	0.98	0.39	ug/m3			09/05/24 01:11	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/05/24 01:11	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/05/24 01:11	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/05/24 01:11	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/05/24 01:11	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/05/24 01:11	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/05/24 01:11	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/05/24 01:11	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/05/24 01:11	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/05/24 01:11	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			09/05/24 01:11	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.39	J	0.50	0.11	ppb v/v			09/05/24 01:11	1
Chlorodifluoromethane	0.63		0.50	0.12	ppb v/v			09/05/24 01:11	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/05/24 01:11	1
Chloromethane	0.46	J	0.50	0.15	ppb v/v			09/05/24 01:11	1
n-Butane	1.5		0.50	0.20	ppb v/v			09/05/24 01:11	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/05/24 01:11	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/05/24 01:11	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/05/24 01:11	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/05/24 01:11	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/05/24 01:11	1
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v			09/05/24 01:11	1
1,1,2-Trichlorotrifluoroethane	0.055	J	0.20	0.053	ppb v/v			09/05/24 01:11	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/05/24 01:11	1
Ethanol	8.8		5.0	2.6	ppb v/v			09/05/24 01:11	1
Acetone	9.6		5.0	1.6	ppb v/v			09/05/24 01:11	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/05/24 01:11	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			09/05/24 01:11	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/05/24 01:11	1
Methylene Chloride	0.27	J	0.50	0.18	ppb v/v			09/05/24 01:11	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			09/05/24 01:11	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/05/24 01:11	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/05/24 01:11	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ01

Lab Sample ID: 200-74969-4

Date Collected: 08/30/24 14:20

Matrix: Air

Date Received: 08/31/24 10:00

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-Hexane	0.13	J	0.50	0.11	ppb v/v			09/05/24 01:11	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/05/24 01:11	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/05/24 01:11	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/05/24 01:11	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			09/05/24 01:11	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/05/24 01:11	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/05/24 01:11	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/05/24 01:11	1
Carbon tetrachloride	0.053		0.035	0.022	ppb v/v			09/05/24 01:11	1
2,2,4-Trimethylpentane	0.083	J	0.20	0.038	ppb v/v			09/05/24 01:11	1
Benzene	0.12	J	0.20	0.044	ppb v/v			09/05/24 01:11	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/05/24 01:11	1
n-Heptane	0.11	J	0.20	0.055	ppb v/v			09/05/24 01:11	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/05/24 01:11	1
Methyl methacrylate	6.6		0.50	0.14	ppb v/v			09/05/24 01:11	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/05/24 01:11	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/05/24 01:11	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/05/24 01:11	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/05/24 01:11	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/05/24 01:11	1
Toluene	4.6		0.20	0.062	ppb v/v			09/05/24 01:11	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/05/24 01:11	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/05/24 01:11	1
Tetrachloroethene	0.35		0.20	0.021	ppb v/v			09/05/24 01:11	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/05/24 01:11	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/05/24 01:11	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/05/24 01:11	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/05/24 01:11	1
Ethylbenzene	0.11	J	0.20	0.069	ppb v/v			09/05/24 01:11	1
m,p-Xylene	0.24	J	0.50	0.095	ppb v/v			09/05/24 01:11	1
o-Xylene	0.081	J	0.20	0.063	ppb v/v			09/05/24 01:11	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/05/24 01:11	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/05/24 01:11	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/05/24 01:11	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/05/24 01:11	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/05/24 01:11	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/05/24 01:11	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/05/24 01:11	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/05/24 01:11	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/05/24 01:11	1
1,2,4-Trimethylbenzene	0.080	J	0.20	0.080	ppb v/v			09/05/24 01:11	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/05/24 01:11	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/05/24 01:11	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/05/24 01:11	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/05/24 01:11	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/05/24 01:11	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/05/24 01:11	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/05/24 01:11	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ01

Lab Sample ID: 200-74969-4

Date Collected: 08/30/24 14:20

Matrix: Air

Date Received: 08/31/24 10:00

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
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/05/24 01:11	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/05/24 01:11	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			09/05/24 01:11	1

Client Sample ID: IA083024CZ02

Lab Sample ID: 200-74969-5

Date Collected: 08/30/24 14:28

Matrix: Air

Date Received: 08/31/24 10:00

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	2.1	J	2.5	0.54	ug/m3			09/05/24 02:08	1
Chlorodifluoromethane	2.2		1.8	0.42	ug/m3			09/05/24 02:08	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/05/24 02:08	1
Chloromethane	1.1		1.0	0.31	ug/m3			09/05/24 02:08	1
n-Butane	3.0		1.2	0.48	ug/m3			09/05/24 02:08	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/05/24 02:08	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/05/24 02:08	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/05/24 02:08	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/05/24 02:08	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/05/24 02:08	1
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3			09/05/24 02:08	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/05/24 02:08	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/05/24 02:08	1
Ethanol	57		9.4	4.9	ug/m3			09/05/24 02:08	1
Acetone	44		12	3.8	ug/m3			09/05/24 02:08	1
Isopropyl alcohol	5.2	J	12	3.9	ug/m3			09/05/24 02:08	1
Carbon disulfide	1.3	J	1.6	0.40	ug/m3			09/05/24 02:08	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/05/24 02:08	1
Methylene Chloride	0.99	J	1.7	0.63	ug/m3			09/05/24 02:08	1
tert-Butyl alcohol	9.2	J	15	3.6	ug/m3			09/05/24 02:08	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/05/24 02:08	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/05/24 02:08	1
n-Hexane	1.0	J	1.8	0.39	ug/m3			09/05/24 02:08	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/05/24 02:08	1
Methyl Ethyl Ketone (2-Butanone)	9.6		1.5	1.4	ug/m3			09/05/24 02:08	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/05/24 02:08	1
Chloroform	0.98	U	0.98	0.20	ug/m3			09/05/24 02:08	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/05/24 02:08	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/05/24 02:08	1
Cyclohexane	0.83		0.69	0.20	ug/m3			09/05/24 02:08	1
Carbon tetrachloride	0.34		0.22	0.14	ug/m3			09/05/24 02:08	1
2,2,4-Trimethylpentane	0.48	J	0.93	0.18	ug/m3			09/05/24 02:08	1
Benzene	0.51	J	0.64	0.14	ug/m3			09/05/24 02:08	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/05/24 02:08	1
n-Heptane	1.4		0.82	0.23	ug/m3			09/05/24 02:08	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/05/24 02:08	1
Methyl methacrylate	97		2.0	0.57	ug/m3			09/05/24 02:08	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/05/24 02:08	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ02

Lab Sample ID: 200-74969-5

Date Collected: 08/30/24 14:28

Matrix: Air

Date Received: 08/31/24 10:00

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
1,4-Dioxane	0.38	J	18	0.30	ug/m3			09/05/24 02:08	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/05/24 02:08	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/05/24 02:08	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/05/24 02:08	1
Toluene	15		0.75	0.23	ug/m3			09/05/24 02:08	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/05/24 02:08	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/05/24 02:08	1
Tetrachloroethene	1.3	J	1.4	0.14	ug/m3			09/05/24 02:08	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/05/24 02:08	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/05/24 02:08	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/05/24 02:08	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/05/24 02:08	1
Ethylbenzene	1.9		0.87	0.30	ug/m3			09/05/24 02:08	1
m,p-Xylene	5.4		2.2	0.41	ug/m3			09/05/24 02:08	1
o-Xylene	1.8		0.87	0.27	ug/m3			09/05/24 02:08	1
Styrene	4.1		0.85	0.25	ug/m3			09/05/24 02:08	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/05/24 02:08	1
Cumene	0.97	J	0.98	0.20	ug/m3			09/05/24 02:08	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/05/24 02:08	1
n-Propylbenzene	0.70	J	0.98	0.23	ug/m3			09/05/24 02:08	1
4-Ethyltoluene	0.95	J	0.98	0.24	ug/m3			09/05/24 02:08	1
1,3,5-Trimethylbenzene	0.88	J	0.98	0.23	ug/m3			09/05/24 02:08	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/05/24 02:08	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/05/24 02:08	1
1,2,4-Trimethylbenzene	2.7		0.98	0.39	ug/m3			09/05/24 02:08	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/05/24 02:08	1
4-Isopropyltoluene	0.94	J	1.1	0.33	ug/m3			09/05/24 02:08	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/05/24 02:08	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/05/24 02:08	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/05/24 02:08	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/05/24 02:08	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/05/24 02:08	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/05/24 02:08	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/05/24 02:08	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			09/05/24 02:08	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.42	J	0.50	0.11	ppb v/v			09/05/24 02:08	1
Chlorodifluoromethane	0.62		0.50	0.12	ppb v/v			09/05/24 02:08	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/05/24 02:08	1
Chloromethane	0.53		0.50	0.15	ppb v/v			09/05/24 02:08	1
n-Butane	1.3		0.50	0.20	ppb v/v			09/05/24 02:08	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/05/24 02:08	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/05/24 02:08	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/05/24 02:08	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/05/24 02:08	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/05/24 02:08	1
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v			09/05/24 02:08	1

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ02

Lab Sample ID: 200-74969-5

Date Collected: 08/30/24 14:28

Matrix: Air

Date Received: 08/31/24 10:00

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
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/05/24 02:08	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/05/24 02:08	1
Ethanol	30		5.0	2.6	ppb v/v			09/05/24 02:08	1
Acetone	19		5.0	1.6	ppb v/v			09/05/24 02:08	1
Isopropyl alcohol	2.1	J	5.0	1.6	ppb v/v			09/05/24 02:08	1
Carbon disulfide	0.42	J	0.50	0.13	ppb v/v			09/05/24 02:08	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/05/24 02:08	1
Methylene Chloride	0.29	J	0.50	0.18	ppb v/v			09/05/24 02:08	1
tert-Butyl alcohol	3.0	J	5.0	1.2	ppb v/v			09/05/24 02:08	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/05/24 02:08	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/05/24 02:08	1
n-Hexane	0.29	J	0.50	0.11	ppb v/v			09/05/24 02:08	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/05/24 02:08	1
Methyl Ethyl Ketone (2-Butanone)	3.3		0.50	0.49	ppb v/v			09/05/24 02:08	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/05/24 02:08	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			09/05/24 02:08	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/05/24 02:08	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/05/24 02:08	1
Cyclohexane	0.24		0.20	0.058	ppb v/v			09/05/24 02:08	1
Carbon tetrachloride	0.054		0.035	0.022	ppb v/v			09/05/24 02:08	1
2,2,4-Trimethylpentane	0.10	J	0.20	0.038	ppb v/v			09/05/24 02:08	1
Benzene	0.16	J	0.20	0.044	ppb v/v			09/05/24 02:08	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/05/24 02:08	1
n-Heptane	0.35		0.20	0.055	ppb v/v			09/05/24 02:08	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/05/24 02:08	1
Methyl methacrylate	24		0.50	0.14	ppb v/v			09/05/24 02:08	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/05/24 02:08	1
1,4-Dioxane	0.11	J	5.0	0.082	ppb v/v			09/05/24 02:08	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/05/24 02:08	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/05/24 02:08	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/05/24 02:08	1
Toluene	4.0		0.20	0.062	ppb v/v			09/05/24 02:08	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/05/24 02:08	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/05/24 02:08	1
Tetrachloroethene	0.19	J	0.20	0.021	ppb v/v			09/05/24 02:08	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/05/24 02:08	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/05/24 02:08	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/05/24 02:08	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/05/24 02:08	1
Ethylbenzene	0.45		0.20	0.069	ppb v/v			09/05/24 02:08	1
m,p-Xylene	1.2		0.50	0.095	ppb v/v			09/05/24 02:08	1
o-Xylene	0.42		0.20	0.063	ppb v/v			09/05/24 02:08	1
Styrene	0.96		0.20	0.059	ppb v/v			09/05/24 02:08	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/05/24 02:08	1
Cumene	0.20	J	0.20	0.041	ppb v/v			09/05/24 02:08	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/05/24 02:08	1
n-Propylbenzene	0.14	J	0.20	0.047	ppb v/v			09/05/24 02:08	1
4-Ethyltoluene	0.19	J	0.20	0.049	ppb v/v			09/05/24 02:08	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ02

Lab Sample ID: 200-74969-5

Date Collected: 08/30/24 14:28

Matrix: Air

Date Received: 08/31/24 10:00

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
1,3,5-Trimethylbenzene	0.18	J	0.20	0.047	ppb v/v			09/05/24 02:08	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/05/24 02:08	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/05/24 02:08	1
1,2,4-Trimethylbenzene	0.54		0.20	0.080	ppb v/v			09/05/24 02:08	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/05/24 02:08	1
4-Isopropyltoluene	0.17	J	0.20	0.061	ppb v/v			09/05/24 02:08	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/05/24 02:08	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/05/24 02:08	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/05/24 02:08	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/05/24 02:08	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/05/24 02:08	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/05/24 02:08	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/05/24 02:08	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			09/05/24 02:08	1

Client Sample ID: IA083024CZ03

Lab Sample ID: 200-74969-6

Date Collected: 08/30/24 14:22

Matrix: Air

Date Received: 08/31/24 10:00

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	2.1	J	2.5	0.54	ug/m3			09/04/24 23:53	1
Chlorodifluoromethane	3.2		1.8	0.42	ug/m3			09/04/24 23:53	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/04/24 23:53	1
Chloromethane	2.1		1.0	0.31	ug/m3			09/04/24 23:53	1
n-Butane	1.4		1.2	0.48	ug/m3			09/04/24 23:53	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/04/24 23:53	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/04/24 23:53	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/04/24 23:53	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/04/24 23:53	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/04/24 23:53	1
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3			09/04/24 23:53	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/04/24 23:53	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/04/24 23:53	1
Ethanol	6.8	J	9.4	4.9	ug/m3			09/04/24 23:53	1
Acetone	24		12	3.8	ug/m3			09/04/24 23:53	1
Isopropyl alcohol	4.3	J	12	3.9	ug/m3			09/04/24 23:53	1
Carbon disulfide	0.42	J	1.6	0.40	ug/m3			09/04/24 23:53	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/04/24 23:53	1
Methylene Chloride	0.81	J	1.7	0.63	ug/m3			09/04/24 23:53	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			09/04/24 23:53	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/04/24 23:53	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/04/24 23:53	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/04/24 23:53	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/04/24 23:53	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/04/24 23:53	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/04/24 23:53	1
Chloroform	0.26	J	0.98	0.20	ug/m3			09/04/24 23:53	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ03

Lab Sample ID: 200-74969-6

Date Collected: 08/30/24 14:22

Matrix: Air

Date Received: 08/31/24 10:00

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
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/04/24 23:53	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/04/24 23:53	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/04/24 23:53	1
Carbon tetrachloride	0.38		0.22	0.14	ug/m3			09/04/24 23:53	1
2,2,4-Trimethylpentane	0.34	J	0.93	0.18	ug/m3			09/04/24 23:53	1
Benzene	0.36	J	0.64	0.14	ug/m3			09/04/24 23:53	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/04/24 23:53	1
n-Heptane	0.39	J	0.82	0.23	ug/m3			09/04/24 23:53	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/04/24 23:53	1
Methyl methacrylate	18		2.0	0.57	ug/m3			09/04/24 23:53	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/04/24 23:53	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/04/24 23:53	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/04/24 23:53	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/04/24 23:53	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/04/24 23:53	1
Toluene	3.8		0.75	0.23	ug/m3			09/04/24 23:53	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/04/24 23:53	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/04/24 23:53	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			09/04/24 23:53	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/04/24 23:53	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/04/24 23:53	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/04/24 23:53	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/04/24 23:53	1
Ethylbenzene	0.60	J	0.87	0.30	ug/m3			09/04/24 23:53	1
m,p-Xylene	0.92	J	2.2	0.41	ug/m3			09/04/24 23:53	1
o-Xylene	0.29	J	0.87	0.27	ug/m3			09/04/24 23:53	1
Styrene	1.2		0.85	0.25	ug/m3			09/04/24 23:53	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/04/24 23:53	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/04/24 23:53	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/04/24 23:53	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/04/24 23:53	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/04/24 23:53	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/04/24 23:53	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/04/24 23:53	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/04/24 23:53	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			09/04/24 23:53	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/04/24 23:53	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/04/24 23:53	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/04/24 23:53	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/04/24 23:53	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/04/24 23:53	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/04/24 23:53	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/04/24 23:53	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/04/24 23:53	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/04/24 23:53	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			09/04/24 23:53	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ03

Lab Sample ID: 200-74969-6

Date Collected: 08/30/24 14:22

Matrix: Air

Date Received: 08/31/24 10:00

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.42	J	0.50	0.11	ppb v/v			09/04/24 23:53	1
Chlorodifluoromethane	0.91		0.50	0.12	ppb v/v			09/04/24 23:53	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/04/24 23:53	1
Chloromethane	1.0		0.50	0.15	ppb v/v			09/04/24 23:53	1
n-Butane	0.61		0.50	0.20	ppb v/v			09/04/24 23:53	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/04/24 23:53	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/04/24 23:53	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/04/24 23:53	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/04/24 23:53	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/04/24 23:53	1
Trichlorofluoromethane	0.20		0.20	0.050	ppb v/v			09/04/24 23:53	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/04/24 23:53	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/04/24 23:53	1
Ethanol	3.6	J	5.0	2.6	ppb v/v			09/04/24 23:53	1
Acetone	9.9		5.0	1.6	ppb v/v			09/04/24 23:53	1
Isopropyl alcohol	1.7	J	5.0	1.6	ppb v/v			09/04/24 23:53	1
Carbon disulfide	0.14	J	0.50	0.13	ppb v/v			09/04/24 23:53	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/04/24 23:53	1
Methylene Chloride	0.23	J	0.50	0.18	ppb v/v			09/04/24 23:53	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			09/04/24 23:53	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/04/24 23:53	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/04/24 23:53	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/04/24 23:53	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/04/24 23:53	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/04/24 23:53	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/04/24 23:53	1
Chloroform	0.054	J	0.20	0.041	ppb v/v			09/04/24 23:53	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/04/24 23:53	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/04/24 23:53	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/04/24 23:53	1
Carbon tetrachloride	0.061		0.035	0.022	ppb v/v			09/04/24 23:53	1
2,2,4-Trimethylpentane	0.072	J	0.20	0.038	ppb v/v			09/04/24 23:53	1
Benzene	0.11	J	0.20	0.044	ppb v/v			09/04/24 23:53	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/04/24 23:53	1
n-Heptane	0.094	J	0.20	0.055	ppb v/v			09/04/24 23:53	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/04/24 23:53	1
Methyl methacrylate	4.3		0.50	0.14	ppb v/v			09/04/24 23:53	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/04/24 23:53	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/04/24 23:53	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/04/24 23:53	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/04/24 23:53	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/04/24 23:53	1
Toluene	1.0		0.20	0.062	ppb v/v			09/04/24 23:53	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/04/24 23:53	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/04/24 23:53	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			09/04/24 23:53	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/04/24 23:53	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/04/24 23:53	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/04/24 23:53	1

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: IA083024CZ03

Lab Sample ID: 200-74969-6

Date Collected: 08/30/24 14:22

Matrix: Air

Date Received: 08/31/24 10:00

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	0.20	U	0.20	0.044	ppb v/v			09/04/24 23:53	1
Ethylbenzene	0.14	J	0.20	0.069	ppb v/v			09/04/24 23:53	1
m,p-Xylene	0.21	J	0.50	0.095	ppb v/v			09/04/24 23:53	1
o-Xylene	0.067	J	0.20	0.063	ppb v/v			09/04/24 23:53	1
Styrene	0.28		0.20	0.059	ppb v/v			09/04/24 23:53	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/04/24 23:53	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/04/24 23:53	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/04/24 23:53	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 23:53	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/04/24 23:53	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 23:53	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/04/24 23:53	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 23:53	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			09/04/24 23:53	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/04/24 23:53	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/04/24 23:53	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/04/24 23:53	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/04/24 23:53	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/04/24 23:53	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/04/24 23:53	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/04/24 23:53	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/04/24 23:53	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/04/24 23:53	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			09/04/24 23:53	1

Client Sample ID: OA083024CZ01

Lab Sample ID: 200-74969-7

Date Collected: 08/30/24 14:24

Matrix: Air

Date Received: 08/31/24 10:00

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	2.1	J	2.5	0.54	ug/m3			09/05/24 00:53	1
Chlorodifluoromethane	2.9		1.8	0.42	ug/m3			09/05/24 00:53	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/05/24 00:53	1
Chloromethane	1.3		1.0	0.31	ug/m3			09/05/24 00:53	1
n-Butane	0.63	J	1.2	0.48	ug/m3			09/05/24 00:53	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/05/24 00:53	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/05/24 00:53	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/05/24 00:53	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/05/24 00:53	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/05/24 00:53	1
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3			09/05/24 00:53	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/05/24 00:53	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/05/24 00:53	1
Ethanol	9.4	U	9.4	4.9	ug/m3			09/05/24 00:53	1
Acetone	12		12	3.8	ug/m3			09/05/24 00:53	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/05/24 00:53	1
Carbon disulfide	1.5	J	1.6	0.40	ug/m3			09/05/24 00:53	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: OA083024CZ01

Lab Sample ID: 200-74969-7

Date Collected: 08/30/24 14:24

Matrix: Air

Date Received: 08/31/24 10:00

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
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/05/24 00:53	1
Methylene Chloride	0.85	J	1.7	0.63	ug/m3			09/05/24 00:53	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			09/05/24 00:53	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/05/24 00:53	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/05/24 00:53	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/05/24 00:53	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/05/24 00:53	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/05/24 00:53	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/05/24 00:53	1
Chloroform	0.98	U	0.98	0.20	ug/m3			09/05/24 00:53	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/05/24 00:53	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/05/24 00:53	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/05/24 00:53	1
Carbon tetrachloride	0.33		0.22	0.14	ug/m3			09/05/24 00:53	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			09/05/24 00:53	1
Benzene	0.28	J	0.64	0.14	ug/m3			09/05/24 00:53	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/05/24 00:53	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			09/05/24 00:53	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/05/24 00:53	1
Methyl methacrylate	1.0	J	2.0	0.57	ug/m3			09/05/24 00:53	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/05/24 00:53	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/05/24 00:53	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/05/24 00:53	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/05/24 00:53	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/05/24 00:53	1
Toluene	0.73	J	0.75	0.23	ug/m3			09/05/24 00:53	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/05/24 00:53	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/05/24 00:53	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			09/05/24 00:53	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/05/24 00:53	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/05/24 00:53	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/05/24 00:53	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/05/24 00:53	1
Ethylbenzene	0.33	J	0.87	0.30	ug/m3			09/05/24 00:53	1
m,p-Xylene	0.93	J	2.2	0.41	ug/m3			09/05/24 00:53	1
o-Xylene	0.31	J	0.87	0.27	ug/m3			09/05/24 00:53	1
Styrene	0.79	J	0.85	0.25	ug/m3			09/05/24 00:53	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/05/24 00:53	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/05/24 00:53	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/05/24 00:53	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/05/24 00:53	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/05/24 00:53	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/05/24 00:53	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/05/24 00:53	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/05/24 00:53	1
1,2,4-Trimethylbenzene	0.53	J	0.98	0.39	ug/m3			09/05/24 00:53	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/05/24 00:53	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/05/24 00:53	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: OA083024CZ01

Lab Sample ID: 200-74969-7

Date Collected: 08/30/24 14:24

Matrix: Air

Date Received: 08/31/24 10:00

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
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/05/24 00:53	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/05/24 00:53	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/05/24 00:53	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/05/24 00:53	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/05/24 00:53	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/05/24 00:53	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/05/24 00:53	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			09/05/24 00:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.42	J	0.50	0.11	ppb v/v			09/05/24 00:53	1
Chlorodifluoromethane	0.81		0.50	0.12	ppb v/v			09/05/24 00:53	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/05/24 00:53	1
Chloromethane	0.63		0.50	0.15	ppb v/v			09/05/24 00:53	1
n-Butane	0.27	J	0.50	0.20	ppb v/v			09/05/24 00:53	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/05/24 00:53	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/05/24 00:53	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/05/24 00:53	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/05/24 00:53	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/05/24 00:53	1
Trichlorofluoromethane	0.20		0.20	0.050	ppb v/v			09/05/24 00:53	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/05/24 00:53	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/05/24 00:53	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			09/05/24 00:53	1
Acetone	4.9		5.0	1.6	ppb v/v			09/05/24 00:53	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/05/24 00:53	1
Carbon disulfide	0.47	J	0.50	0.13	ppb v/v			09/05/24 00:53	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/05/24 00:53	1
Methylene Chloride	0.24	J	0.50	0.18	ppb v/v			09/05/24 00:53	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			09/05/24 00:53	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/05/24 00:53	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/05/24 00:53	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/05/24 00:53	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/05/24 00:53	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/05/24 00:53	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/05/24 00:53	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			09/05/24 00:53	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/05/24 00:53	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/05/24 00:53	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/05/24 00:53	1
Carbon tetrachloride	0.052		0.035	0.022	ppb v/v			09/05/24 00:53	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			09/05/24 00:53	1
Benzene	0.088	J	0.20	0.044	ppb v/v			09/05/24 00:53	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/05/24 00:53	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			09/05/24 00:53	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/05/24 00:53	1
Methyl methacrylate	0.25	J	0.50	0.14	ppb v/v			09/05/24 00:53	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/05/24 00:53	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/05/24 00:53	1

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: OA083024CZ01

Lab Sample ID: 200-74969-7

Date Collected: 08/30/24 14:24

Matrix: Air

Date Received: 08/31/24 10:00

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
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/05/24 00:53	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/05/24 00:53	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/05/24 00:53	1
Toluene	0.19	J	0.20	0.062	ppb v/v			09/05/24 00:53	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/05/24 00:53	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/05/24 00:53	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			09/05/24 00:53	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/05/24 00:53	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/05/24 00:53	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/05/24 00:53	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/05/24 00:53	1
Ethylbenzene	0.076	J	0.20	0.069	ppb v/v			09/05/24 00:53	1
m,p-Xylene	0.21	J	0.50	0.095	ppb v/v			09/05/24 00:53	1
o-Xylene	0.072	J	0.20	0.063	ppb v/v			09/05/24 00:53	1
Styrene	0.18	J	0.20	0.059	ppb v/v			09/05/24 00:53	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/05/24 00:53	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/05/24 00:53	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/05/24 00:53	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/05/24 00:53	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/05/24 00:53	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/05/24 00:53	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/05/24 00:53	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/05/24 00:53	1
1,2,4-Trimethylbenzene	0.11	J	0.20	0.080	ppb v/v			09/05/24 00:53	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/05/24 00:53	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/05/24 00:53	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/05/24 00:53	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/05/24 00:53	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/05/24 00:53	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/05/24 00:53	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/05/24 00:53	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/05/24 00:53	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/05/24 00:53	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			09/05/24 00:53	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: MB 200-208272/4

Matrix: Air

Analysis Batch: 208272

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			09/04/24 10:18	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			09/04/24 10:18	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/04/24 10:18	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			09/04/24 10:18	1
n-Butane	1.2	U	1.2	0.48	ug/m3			09/04/24 10:18	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/04/24 10:18	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/04/24 10:18	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/04/24 10:18	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/04/24 10:18	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/04/24 10:18	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			09/04/24 10:18	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/04/24 10:18	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/04/24 10:18	1
Ethanol	9.4	U	9.4	4.9	ug/m3			09/04/24 10:18	1
Acetone	12	U	12	3.8	ug/m3			09/04/24 10:18	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/04/24 10:18	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			09/04/24 10:18	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/04/24 10:18	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/04/24 10:18	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			09/04/24 10:18	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/04/24 10:18	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/04/24 10:18	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/04/24 10:18	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/04/24 10:18	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/04/24 10:18	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/04/24 10:18	1
Chloroform	0.98	U	0.98	0.20	ug/m3			09/04/24 10:18	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/04/24 10:18	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/04/24 10:18	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/04/24 10:18	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/04/24 10:18	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			09/04/24 10:18	1
Benzene	0.64	U	0.64	0.14	ug/m3			09/04/24 10:18	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/04/24 10:18	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			09/04/24 10:18	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/04/24 10:18	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/04/24 10:18	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/04/24 10:18	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/04/24 10:18	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/04/24 10:18	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/04/24 10:18	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/04/24 10:18	1
Toluene	0.75	U	0.75	0.23	ug/m3			09/04/24 10:18	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/04/24 10:18	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/04/24 10:18	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			09/04/24 10:18	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/04/24 10:18	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/04/24 10:18	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: MB 200-208272/4

Matrix: Air

Analysis Batch: 208272

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/04/24 10:18	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/04/24 10:18	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			09/04/24 10:18	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			09/04/24 10:18	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			09/04/24 10:18	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/04/24 10:18	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/04/24 10:18	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/04/24 10:18	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/04/24 10:18	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/04/24 10:18	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/04/24 10:18	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/04/24 10:18	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/04/24 10:18	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/04/24 10:18	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			09/04/24 10:18	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/04/24 10:18	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/04/24 10:18	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/04/24 10:18	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/04/24 10:18	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/04/24 10:18	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/04/24 10:18	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/04/24 10:18	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/04/24 10:18	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/04/24 10:18	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			09/04/24 10:18	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			09/04/24 10:18	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			09/04/24 10:18	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/04/24 10:18	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			09/04/24 10:18	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			09/04/24 10:18	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/04/24 10:18	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/04/24 10:18	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/04/24 10:18	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/04/24 10:18	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/04/24 10:18	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			09/04/24 10:18	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/04/24 10:18	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/04/24 10:18	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			09/04/24 10:18	1
Acetone	5.0	U	5.0	1.6	ppb v/v			09/04/24 10:18	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/04/24 10:18	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			09/04/24 10:18	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/04/24 10:18	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/04/24 10:18	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			09/04/24 10:18	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/04/24 10:18	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/04/24 10:18	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: MB 200-208272/4

Matrix: Air

Analysis Batch: 208272

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/04/24 10:18	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/04/24 10:18	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/04/24 10:18	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/04/24 10:18	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			09/04/24 10:18	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/04/24 10:18	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/04/24 10:18	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/04/24 10:18	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/04/24 10:18	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			09/04/24 10:18	1
Benzene	0.20	U	0.20	0.044	ppb v/v			09/04/24 10:18	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/04/24 10:18	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			09/04/24 10:18	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/04/24 10:18	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/04/24 10:18	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/04/24 10:18	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/04/24 10:18	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/04/24 10:18	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/04/24 10:18	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/04/24 10:18	1
Toluene	0.20	U	0.20	0.062	ppb v/v			09/04/24 10:18	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/04/24 10:18	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/04/24 10:18	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			09/04/24 10:18	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/04/24 10:18	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/04/24 10:18	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/04/24 10:18	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/04/24 10:18	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			09/04/24 10:18	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			09/04/24 10:18	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			09/04/24 10:18	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/04/24 10:18	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/04/24 10:18	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/04/24 10:18	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/04/24 10:18	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 10:18	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/04/24 10:18	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 10:18	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/04/24 10:18	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 10:18	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			09/04/24 10:18	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/04/24 10:18	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/04/24 10:18	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/04/24 10:18	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/04/24 10:18	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/04/24 10:18	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/04/24 10:18	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/04/24 10:18	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: MB 200-208272/4

Matrix: Air

Analysis Batch: 208272

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/04/24 10:18	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/04/24 10:18	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			09/04/24 10:18	1

Lab Sample ID: LCS 200-208272/3

Matrix: Air

Analysis Batch: 208272

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	52.9		ug/m3		107	61 - 142
Chlorodifluoromethane	35.4	43.0		ug/m3		122	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	74.4		ug/m3		106	71 - 141
Chloromethane	20.6	26.0		ug/m3		126	56 - 141
n-Butane	23.8	27.6		ug/m3		116	53 - 151
Vinyl chloride	25.6	26.4		ug/m3		103	61 - 135
1,3-Butadiene	22.1	22.6		ug/m3		102	58 - 139
Bromomethane	38.8	38.0		ug/m3		98	72 - 124
Chloroethane	26.4	28.3		ug/m3		107	68 - 130
Bromoethene(Vinyl Bromide)	43.7	42.0		ug/m3		96	75 - 125
Trichlorofluoromethane	56.2	56.1		ug/m3		100	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	73.7		ug/m3		96	70 - 121
1,1-Dichloroethene	39.6	36.2		ug/m3		91	68 - 120
Ethanol	28.3	33.8		ug/m3		120	50 - 150
Acetone	23.7	27.7		ug/m3		117	54 - 154
Isopropyl alcohol	24.6	31.8		ug/m3		130	53 - 142
Carbon disulfide	31.1	30.3		ug/m3		97	71 - 138
3-Chloropropene	31.3	34.2		ug/m3		109	50 - 150
Methylene Chloride	34.7	36.9		ug/m3		106	59 - 137
tert-Butyl alcohol	30.3	32.1		ug/m3		106	66 - 132
Methyl tert-butyl ether	36.0	37.4		ug/m3		104	70 - 127
trans-1,2-Dichloroethene	39.6	38.5		ug/m3		97	69 - 137
n-Hexane	35.2	36.0		ug/m3		102	63 - 138
1,1-Dichloroethane	40.5	39.3		ug/m3		97	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	29.4		ug/m3		100	72 - 124
cis-1,2-Dichloroethene	39.6	36.9		ug/m3		93	72 - 121
Chloroform	48.8	48.3		ug/m3		99	73 - 124
Tetrahydrofuran	29.5	32.4		ug/m3		110	60 - 149
1,1,1-Trichloroethane	54.6	54.2		ug/m3		99	72 - 127
Cyclohexane	34.4	33.5		ug/m3		97	76 - 124
Carbon tetrachloride	62.9	60.6		ug/m3		96	71 - 133
2,2,4-Trimethylpentane	46.7	48.0		ug/m3		103	68 - 131
Benzene	31.9	30.9		ug/m3		97	73 - 119
1,2-Dichloroethane	40.5	41.1		ug/m3		102	68 - 135
n-Heptane	41.0	43.8		ug/m3		107	60 - 142
Trichloroethene	53.7	49.1		ug/m3		91	73 - 122
Methyl methacrylate	40.9	41.5		ug/m3		101	73 - 129
1,2-Dichloropropane	46.2	46.1		ug/m3		100	69 - 128
1,4-Dioxane	36.0	32.7		ug/m3		91	66 - 129

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: LCS 200-208272/3

Matrix: Air

Analysis Batch: 208272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	67.0	67.6		ug/m3		101	75 - 127
cis-1,3-Dichloropropene	45.4	46.5		ug/m3		103	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	42.3		ug/m3		103	58 - 144
Toluene	37.7	37.3		ug/m3		99	75 - 122
trans-1,3-Dichloropropene	45.4	47.7		ug/m3		105	74 - 128
1,1,2-Trichloroethane	54.6	53.0		ug/m3		97	75 - 126
Tetrachloroethene	67.8	62.5		ug/m3		92	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	41.3		ug/m3		101	57 - 143
Dibromochloromethane	85.2	86.8		ug/m3		102	73 - 125
1,2-Dibromoethane	76.8	75.6		ug/m3		98	78 - 122
Chlorobenzene	46.0	45.3		ug/m3		98	76 - 119
Ethylbenzene	43.4	44.2		ug/m3		102	74 - 122
m,p-Xylene	86.8	90.1		ug/m3		104	76 - 121
o-Xylene	43.4	45.0		ug/m3		104	73 - 123
Styrene	42.6	46.0		ug/m3		108	74 - 125
Bromoform	103	111		ug/m3		108	53 - 149
Cumene	49.1	51.9		ug/m3		106	73 - 123
1,1,2,2-Tetrachloroethane	68.6	70.2		ug/m3		102	74 - 126
n-Propylbenzene	49.1	52.2		ug/m3		106	73 - 127
4-Ethyltoluene	49.2	52.5		ug/m3		107	75 - 129
1,3,5-Trimethylbenzene	49.2	52.0		ug/m3		106	72 - 126
2-Chlorotoluene	51.8	53.9		ug/m3		104	74 - 126
tert-Butylbenzene	54.9	58.6		ug/m3		107	71 - 125
1,2,4-Trimethylbenzene	49.2	53.2		ug/m3		108	71 - 129
sec-Butylbenzene	54.9	59.4		ug/m3		108	70 - 128
4-Isopropyltoluene	54.9	60.9		ug/m3		111	68 - 130
1,3-Dichlorobenzene	60.1	66.4		ug/m3		110	69 - 131
1,4-Dichlorobenzene	60.1	67.5		ug/m3		112	67 - 132
Benzyl chloride	51.8	62.5		ug/m3		121	60 - 136
n-Butylbenzene	54.9	63.5		ug/m3		116	65 - 137
1,2-Dichlorobenzene	60.1	66.4		ug/m3		111	68 - 129
1,2,4-Trichlorobenzene	74.2	95.5		ug/m3		129	50 - 150
Hexachlorobutadiene	107	125		ug/m3		117	58 - 130
Naphthalene	52.4	75.5		ug/m3		144	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	10.7		ppb v/v		107	61 - 142
Chlorodifluoromethane	10	12.2		ppb v/v		122	60 - 147
1,2-Dichlorotetrafluoroethane	10	10.6		ppb v/v		106	71 - 141
Chloromethane	10	12.6		ppb v/v		126	56 - 141
n-Butane	10	11.6		ppb v/v		116	53 - 151
Vinyl chloride	10	10.3		ppb v/v		103	61 - 135
1,3-Butadiene	10	10.2		ppb v/v		102	58 - 139
Bromomethane	10	9.77		ppb v/v		98	72 - 124
Chloroethane	10	10.7		ppb v/v		107	68 - 130
Bromoethene(Vinyl Bromide)	10	9.59		ppb v/v		96	75 - 125
Trichlorofluoromethane	10	9.98		ppb v/v		100	70 - 129

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: LCS 200-208272/3

Matrix: Air

Analysis Batch: 208272

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane	10	9.62		ppb v/v		96	70 - 121
1,1-Dichloroethene	10	9.13		ppb v/v		91	68 - 120
Ethanol	15	17.9		ppb v/v		120	50 - 150
Acetone	10	11.7		ppb v/v		117	54 - 154
Isopropyl alcohol	10	13.0		ppb v/v		130	53 - 142
Carbon disulfide	10	9.73		ppb v/v		97	71 - 138
3-Chloropropene	10	10.9		ppb v/v		109	50 - 150
Methylene Chloride	10	10.6		ppb v/v		106	59 - 137
tert-Butyl alcohol	10	10.6		ppb v/v		106	66 - 132
Methyl tert-butyl ether	10	10.4		ppb v/v		104	70 - 127
trans-1,2-Dichloroethene	10	9.71		ppb v/v		97	69 - 137
n-Hexane	10	10.2		ppb v/v		102	63 - 138
1,1-Dichloroethane	10	9.70		ppb v/v		97	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.96		ppb v/v		100	72 - 124
cis-1,2-Dichloroethene	10	9.31		ppb v/v		93	72 - 121
Chloroform	10	9.89		ppb v/v		99	73 - 124
Tetrahydrofuran	10	11.0		ppb v/v		110	60 - 149
1,1,1-Trichloroethane	10	9.93		ppb v/v		99	72 - 127
Cyclohexane	10	9.73		ppb v/v		97	76 - 124
Carbon tetrachloride	10	9.64		ppb v/v		96	71 - 133
2,2,4-Trimethylpentane	10	10.3		ppb v/v		103	68 - 131
Benzene	10	9.67		ppb v/v		97	73 - 119
1,2-Dichloroethane	10	10.2		ppb v/v		102	68 - 135
n-Heptane	10	10.7		ppb v/v		107	60 - 142
Trichloroethene	10	9.14		ppb v/v		91	73 - 122
Methyl methacrylate	10	10.1		ppb v/v		101	73 - 129
1,2-Dichloropropane	10	9.98		ppb v/v		100	69 - 128
1,4-Dioxane	10	9.08		ppb v/v		91	66 - 129
Bromodichloromethane	10	10.1		ppb v/v		101	75 - 127
cis-1,3-Dichloropropene	10	10.3		ppb v/v		103	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	10.3		ppb v/v		103	58 - 144
Toluene	10	9.90		ppb v/v		99	75 - 122
trans-1,3-Dichloropropene	10	10.5		ppb v/v		105	74 - 128
1,1,2-Trichloroethane	10	9.72		ppb v/v		97	75 - 126
Tetrachloroethene	10	9.21		ppb v/v		92	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	10.1		ppb v/v		101	57 - 143
Dibromochloromethane	10	10.2		ppb v/v		102	73 - 125
1,2-Dibromoethane	10	9.84		ppb v/v		98	78 - 122
Chlorobenzene	10	9.84		ppb v/v		98	76 - 119
Ethylbenzene	10	10.2		ppb v/v		102	74 - 122
m,p-Xylene	20	20.8		ppb v/v		104	76 - 121
o-Xylene	10	10.4		ppb v/v		104	73 - 123
Styrene	10	10.8		ppb v/v		108	74 - 125
Bromoform	10	10.8		ppb v/v		108	53 - 149
Cumene	10	10.6		ppb v/v		106	73 - 123
1,1,2,2-Tetrachloroethane	10	10.2		ppb v/v		102	74 - 126

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: LCS 200-208272/3

Matrix: Air

Analysis Batch: 208272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Propylbenzene	10	10.6		ppb v/v		106	73 - 127
4-Ethyltoluene	10	10.7		ppb v/v		107	75 - 129
1,3,5-Trimethylbenzene	10	10.6		ppb v/v		106	72 - 126
2-Chlorotoluene	10	10.4		ppb v/v		104	74 - 126
tert-Butylbenzene	10	10.7		ppb v/v		107	71 - 125
1,2,4-Trimethylbenzene	10	10.8		ppb v/v		108	71 - 129
sec-Butylbenzene	10	10.8		ppb v/v		108	70 - 128
4-Isopropyltoluene	10	11.1		ppb v/v		111	68 - 130
1,3-Dichlorobenzene	10	11.0		ppb v/v		110	69 - 131
1,4-Dichlorobenzene	10	11.2		ppb v/v		112	67 - 132
Benzyl chloride	10	12.1		ppb v/v		121	60 - 136
n-Butylbenzene	10	11.6		ppb v/v		116	65 - 137
1,2-Dichlorobenzene	10	11.0		ppb v/v		111	68 - 129
1,2,4-Trichlorobenzene	10	12.9		ppb v/v		129	50 - 150
Hexachlorobutadiene	10	11.7		ppb v/v		117	58 - 130
Naphthalene	10	14.4		ppb v/v		144	50 - 150

Lab Sample ID: MB 200-208280/6

Matrix: Air

Analysis Batch: 208280

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			09/04/24 15:04	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			09/04/24 15:04	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/04/24 15:04	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			09/04/24 15:04	1
n-Butane	1.2	U	1.2	0.48	ug/m3			09/04/24 15:04	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/04/24 15:04	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/04/24 15:04	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/04/24 15:04	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/04/24 15:04	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/04/24 15:04	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			09/04/24 15:04	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/04/24 15:04	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/04/24 15:04	1
Ethanol	9.4	U	9.4	4.9	ug/m3			09/04/24 15:04	1
Acetone	12	U	12	3.8	ug/m3			09/04/24 15:04	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/04/24 15:04	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			09/04/24 15:04	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/04/24 15:04	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/04/24 15:04	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			09/04/24 15:04	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/04/24 15:04	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/04/24 15:04	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/04/24 15:04	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/04/24 15:04	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/04/24 15:04	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/04/24 15:04	1
Chloroform	0.98	U	0.98	0.20	ug/m3			09/04/24 15:04	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: MB 200-208280/6

Matrix: Air

Analysis Batch: 208280

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/04/24 15:04	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/04/24 15:04	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/04/24 15:04	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/04/24 15:04	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			09/04/24 15:04	1
Benzene	0.64	U	0.64	0.14	ug/m3			09/04/24 15:04	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/04/24 15:04	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			09/04/24 15:04	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/04/24 15:04	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/04/24 15:04	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/04/24 15:04	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/04/24 15:04	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/04/24 15:04	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/04/24 15:04	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/04/24 15:04	1
Toluene	0.75	U	0.75	0.23	ug/m3			09/04/24 15:04	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/04/24 15:04	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/04/24 15:04	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			09/04/24 15:04	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/04/24 15:04	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/04/24 15:04	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/04/24 15:04	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/04/24 15:04	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			09/04/24 15:04	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			09/04/24 15:04	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			09/04/24 15:04	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/04/24 15:04	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/04/24 15:04	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/04/24 15:04	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/04/24 15:04	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/04/24 15:04	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/04/24 15:04	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/04/24 15:04	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/04/24 15:04	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/04/24 15:04	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			09/04/24 15:04	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/04/24 15:04	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/04/24 15:04	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/04/24 15:04	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/04/24 15:04	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/04/24 15:04	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/04/24 15:04	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/04/24 15:04	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/04/24 15:04	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/04/24 15:04	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			09/04/24 15:04	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			09/04/24 15:04	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			09/04/24 15:04	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/04/24 15:04	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			09/04/24 15:04	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			09/04/24 15:04	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/04/24 15:04	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/04/24 15:04	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/04/24 15:04	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/04/24 15:04	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/04/24 15:04	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			09/04/24 15:04	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/04/24 15:04	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/04/24 15:04	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			09/04/24 15:04	1
Acetone	5.0	U	5.0	1.6	ppb v/v			09/04/24 15:04	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/04/24 15:04	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			09/04/24 15:04	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/04/24 15:04	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/04/24 15:04	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			09/04/24 15:04	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/04/24 15:04	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/04/24 15:04	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/04/24 15:04	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/04/24 15:04	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/04/24 15:04	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/04/24 15:04	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			09/04/24 15:04	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/04/24 15:04	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/04/24 15:04	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/04/24 15:04	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/04/24 15:04	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			09/04/24 15:04	1
Benzene	0.20	U	0.20	0.044	ppb v/v			09/04/24 15:04	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/04/24 15:04	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			09/04/24 15:04	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/04/24 15:04	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/04/24 15:04	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/04/24 15:04	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/04/24 15:04	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/04/24 15:04	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/04/24 15:04	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/04/24 15:04	1
Toluene	0.20	U	0.20	0.062	ppb v/v			09/04/24 15:04	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/04/24 15:04	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/04/24 15:04	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			09/04/24 15:04	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/04/24 15:04	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/04/24 15:04	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/04/24 15:04	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/04/24 15:04	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			09/04/24 15:04	1

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: MB 200-208280/6

Matrix: Air

Analysis Batch: 208280

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			09/04/24 15:04	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			09/04/24 15:04	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/04/24 15:04	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/04/24 15:04	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/04/24 15:04	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/04/24 15:04	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 15:04	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/04/24 15:04	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 15:04	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/04/24 15:04	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/04/24 15:04	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			09/04/24 15:04	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/04/24 15:04	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/04/24 15:04	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/04/24 15:04	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/04/24 15:04	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/04/24 15:04	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/04/24 15:04	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/04/24 15:04	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/04/24 15:04	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/04/24 15:04	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			09/04/24 15:04	1

Lab Sample ID: LCS 200-208280/3

Matrix: Air

Analysis Batch: 208280

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	52.6		ug/m3		106	61 - 142
Chlorodifluoromethane	35.4	38.0		ug/m3		107	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	71.6		ug/m3		102	71 - 141
Chloromethane	20.6	22.3		ug/m3		108	56 - 141
n-Butane	23.8	26.0		ug/m3		110	53 - 151
Vinyl chloride	25.6	26.3		ug/m3		103	61 - 135
1,3-Butadiene	22.1	22.3		ug/m3		101	58 - 139
Bromomethane	38.8	39.8		ug/m3		103	72 - 124
Chloroethane	26.4	28.6		ug/m3		108	68 - 130
Bromoethene(Vinyl Bromide)	43.7	44.6		ug/m3		102	75 - 125
Trichlorofluoromethane	56.2	56.3		ug/m3		100	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	77.6		ug/m3		101	70 - 121
1,1-Dichloroethene	39.6	39.4		ug/m3		99	68 - 120
Ethanol	28.3	32.5		ug/m3		115	50 - 150
Acetone	23.7	25.8		ug/m3		109	54 - 154
Isopropyl alcohol	24.6	30.2		ug/m3		123	53 - 142
Carbon disulfide	31.1	33.1		ug/m3		106	71 - 138
3-Chloropropene	31.3	30.3		ug/m3		97	50 - 150
Methylene Chloride	34.7	36.2		ug/m3		104	59 - 137
tert-Butyl alcohol	30.3	32.0		ug/m3		106	66 - 132
Methyl tert-butyl ether	36.0	37.3		ug/m3		103	70 - 127

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: LCS 200-208280/3

Matrix: Air

Analysis Batch: 208280

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	39.6	41.4		ug/m3		105	69 - 137
n-Hexane	35.2	36.8		ug/m3		104	63 - 138
1,1-Dichloroethane	40.5	41.6		ug/m3		103	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	31.3		ug/m3		106	72 - 124
cis-1,2-Dichloroethene	39.6	39.6		ug/m3		100	72 - 121
Chloroform	48.8	49.9		ug/m3		102	73 - 124
Tetrahydrofuran	29.5	31.0		ug/m3		105	60 - 149
1,1,1-Trichloroethane	54.6	54.5		ug/m3		100	72 - 127
Cyclohexane	34.4	35.2		ug/m3		102	76 - 124
Carbon tetrachloride	62.9	63.9		ug/m3		102	71 - 133
2,2,4-Trimethylpentane	46.7	48.6		ug/m3		104	68 - 131
Benzene	31.9	32.5		ug/m3		102	73 - 119
1,2-Dichloroethane	40.5	41.1		ug/m3		102	68 - 135
n-Heptane	41.0	42.6		ug/m3		104	60 - 142
Trichloroethene	53.7	53.9		ug/m3		100	73 - 122
Methyl methacrylate	40.9	43.8		ug/m3		107	73 - 129
1,2-Dichloropropane	46.2	48.2		ug/m3		104	69 - 128
1,4-Dioxane	36.0	35.5		ug/m3		99	66 - 129
Bromodichloromethane	67.0	69.3		ug/m3		103	75 - 127
cis-1,3-Dichloropropene	45.4	48.0		ug/m3		106	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	43.4		ug/m3		106	58 - 144
Toluene	37.7	38.6		ug/m3		102	75 - 122
trans-1,3-Dichloropropene	45.4	49.0		ug/m3		108	74 - 128
1,1,2-Trichloroethane	54.6	57.1		ug/m3		105	75 - 126
Tetrachloroethene	67.8	65.7		ug/m3		97	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	42.8		ug/m3		104	57 - 143
Dibromochloromethane	85.2	89.8		ug/m3		105	73 - 125
1,2-Dibromoethane	76.8	79.5		ug/m3		103	78 - 122
Chlorobenzene	46.0	46.2		ug/m3		100	76 - 119
Ethylbenzene	43.4	44.9		ug/m3		103	74 - 122
m,p-Xylene	86.8	88.6		ug/m3		102	76 - 121
o-Xylene	43.4	44.2		ug/m3		102	73 - 123
Styrene	42.6	44.6		ug/m3		105	74 - 125
Bromoform	103	113		ug/m3		110	53 - 149
Cumene	49.1	50.7		ug/m3		103	73 - 123
1,1,2,2-Tetrachloroethane	68.6	72.2		ug/m3		105	74 - 126
n-Propylbenzene	49.1	51.2		ug/m3		104	73 - 127
4-Ethyltoluene	49.2	51.3		ug/m3		104	75 - 129
1,3,5-Trimethylbenzene	49.2	50.4		ug/m3		103	72 - 126
2-Chlorotoluene	51.8	52.9		ug/m3		102	74 - 126
tert-Butylbenzene	54.9	55.8		ug/m3		102	71 - 125
1,2,4-Trimethylbenzene	49.2	50.9		ug/m3		104	71 - 129
sec-Butylbenzene	54.9	56.9		ug/m3		104	70 - 128
4-Isopropyltoluene	54.9	56.6		ug/m3		103	68 - 130
1,3-Dichlorobenzene	60.1	60.9		ug/m3		101	69 - 131
1,4-Dichlorobenzene	60.1	61.0		ug/m3		102	67 - 132

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: LCS 200-208280/3

Matrix: Air

Analysis Batch: 208280

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzyl chloride	51.8	57.8		ug/m3		112	60 - 136
n-Butylbenzene	54.9	58.2		ug/m3		106	65 - 137
1,2-Dichlorobenzene	60.1	60.6		ug/m3		101	68 - 129
1,2,4-Trichlorobenzene	74.2	88.3		ug/m3		119	50 - 150
Hexachlorobutadiene	107	111		ug/m3		104	58 - 130
Naphthalene	52.4	66.4		ug/m3		127	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	10.6		ppb v/v		106	61 - 142
Chlorodifluoromethane	10	10.7		ppb v/v		107	60 - 147
1,2-Dichlorotetrafluoroethane	10	10.2		ppb v/v		102	71 - 141
Chloromethane	10	10.8		ppb v/v		108	56 - 141
n-Butane	10	10.9		ppb v/v		110	53 - 151
Vinyl chloride	10	10.3		ppb v/v		103	61 - 135
1,3-Butadiene	10	10.1		ppb v/v		101	58 - 139
Bromomethane	10	10.2		ppb v/v		103	72 - 124
Chloroethane	10	10.8		ppb v/v		108	68 - 130
Bromoethene(Vinyl Bromide)	10	10.2		ppb v/v		102	75 - 125
Trichlorofluoromethane	10	10.0		ppb v/v		100	70 - 129
1,1,2-Trichlorotrifluoroethane	10	10.1		ppb v/v		101	70 - 121
1,1-Dichloroethene	10	9.94		ppb v/v		99	68 - 120
Ethanol	15	17.2		ppb v/v		115	50 - 150
Acetone	10	10.9		ppb v/v		109	54 - 154
Isopropyl alcohol	10	12.3		ppb v/v		123	53 - 142
Carbon disulfide	10	10.6		ppb v/v		106	71 - 138
3-Chloropropene	10	9.67		ppb v/v		97	50 - 150
Methylene Chloride	10	10.4		ppb v/v		104	59 - 137
tert-Butyl alcohol	10	10.6		ppb v/v		106	66 - 132
Methyl tert-butyl ether	10	10.3		ppb v/v		103	70 - 127
trans-1,2-Dichloroethene	10	10.5		ppb v/v		105	69 - 137
n-Hexane	10	10.4		ppb v/v		104	63 - 138
1,1-Dichloroethane	10	10.3		ppb v/v		103	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	10.6		ppb v/v		106	72 - 124
cis-1,2-Dichloroethene	10	9.98		ppb v/v		100	72 - 121
Chloroform	10	10.2		ppb v/v		102	73 - 124
Tetrahydrofuran	10	10.5		ppb v/v		105	60 - 149
1,1,1-Trichloroethane	10	9.99		ppb v/v		100	72 - 127
Cyclohexane	10	10.2		ppb v/v		102	76 - 124
Carbon tetrachloride	10	10.2		ppb v/v		102	71 - 133
2,2,4-Trimethylpentane	10	10.4		ppb v/v		104	68 - 131
Benzene	10	10.2		ppb v/v		102	73 - 119
1,2-Dichloroethane	10	10.2		ppb v/v		102	68 - 135
n-Heptane	10	10.4		ppb v/v		104	60 - 142
Trichloroethene	10	10.0		ppb v/v		100	73 - 122
Methyl methacrylate	10	10.7		ppb v/v		107	73 - 129
1,2-Dichloropropane	10	10.4		ppb v/v		104	69 - 128
1,4-Dioxane	10	9.86		ppb v/v		99	66 - 129
Bromodichloromethane	10	10.3		ppb v/v		103	75 - 127

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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

Lab Sample ID: LCS 200-208280/3

Matrix: Air

Analysis Batch: 208280

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	10	10.6		ppb v/v		106	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	10.6		ppb v/v		106	58 - 144
Toluene	10	10.2		ppb v/v		102	75 - 122
trans-1,3-Dichloropropene	10	10.8		ppb v/v		108	74 - 128
1,1,2-Trichloroethane	10	10.5		ppb v/v		105	75 - 126
Tetrachloroethene	10	9.69		ppb v/v		97	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	10.4		ppb v/v		104	57 - 143
Dibromochloromethane	10	10.5		ppb v/v		105	73 - 125
1,2-Dibromoethane	10	10.3		ppb v/v		103	78 - 122
Chlorobenzene	10	10.0		ppb v/v		100	76 - 119
Ethylbenzene	10	10.3		ppb v/v		103	74 - 122
m,p-Xylene	20	20.4		ppb v/v		102	76 - 121
o-Xylene	10	10.2		ppb v/v		102	73 - 123
Styrene	10	10.5		ppb v/v		105	74 - 125
Bromoform	10	11.0		ppb v/v		110	53 - 149
Cumene	10	10.3		ppb v/v		103	73 - 123
1,1,2,2-Tetrachloroethane	10	10.5		ppb v/v		105	74 - 126
n-Propylbenzene	10	10.4		ppb v/v		104	73 - 127
4-Ethyltoluene	10	10.4		ppb v/v		104	75 - 129
1,3,5-Trimethylbenzene	10	10.2		ppb v/v		103	72 - 126
2-Chlorotoluene	10	10.2		ppb v/v		102	74 - 126
tert-Butylbenzene	10	10.2		ppb v/v		102	71 - 125
1,2,4-Trimethylbenzene	10	10.4		ppb v/v		104	71 - 129
sec-Butylbenzene	10	10.4		ppb v/v		104	70 - 128
4-Isopropyltoluene	10	10.3		ppb v/v		103	68 - 130
1,3-Dichlorobenzene	10	10.1		ppb v/v		101	69 - 131
1,4-Dichlorobenzene	10	10.2		ppb v/v		102	67 - 132
Benzyl chloride	10	11.2		ppb v/v		112	60 - 136
n-Butylbenzene	10	10.6		ppb v/v		106	65 - 137
1,2-Dichlorobenzene	10	10.1		ppb v/v		101	68 - 129
1,2,4-Trichlorobenzene	10	11.9		ppb v/v		119	50 - 150
Hexachlorobutadiene	10	10.4		ppb v/v		104	58 - 130
Naphthalene	10	12.7		ppb v/v		127	50 - 150

Method: D1946 - Fixed Gases (Helium)

Lab Sample ID: MB 570-478094/4

Matrix: Air

Analysis Batch: 478094

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.025	U	0.025	0.0082	% v/v			09/06/24 14:31	1

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Method: D1946 - Fixed Gases (Helium) (Continued)

Lab Sample ID: LCS 570-478094/2
Matrix: Air
Analysis Batch: 478094

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Helium	1.01	0.888		% v/v		88	80 - 120

Lab Sample ID: LCSD 570-478094/3
Matrix: Air
Analysis Batch: 478094

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
Helium	1.01	0.894		% v/v		88	80 - 120	1	20

QC Association Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Air - GC/MS VOA

Analysis Batch: 208272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-74969-6	IA083024CZ03	Total/NA	Air	TO-15	
200-74969-7	OA083024CZ01	Total/NA	Air	TO-15	
MB 200-208272/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-208272/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 208280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-74969-1	SSV083024CZ01	Total/NA	Air	TO-15	
200-74969-2	SSV083024CZ02	Total/NA	Air	TO-15	
200-74969-2 - DL	SSV083024CZ02	Total/NA	Air	TO-15	
200-74969-3	SSV083024CZ03	Total/NA	Air	TO-15	
200-74969-3 - DL	SSV083024CZ03	Total/NA	Air	TO-15	
200-74969-4	IA083024CZ01	Total/NA	Air	TO-15	
200-74969-5	IA083024CZ02	Total/NA	Air	TO-15	
MB 200-208280/6	Method Blank	Total/NA	Air	TO-15	
LCS 200-208280/3	Lab Control Sample	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 478094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-74969-1	SSV083024CZ01	Total/NA	Air	D1946	
200-74969-2	SSV083024CZ02	Total/NA	Air	D1946	
200-74969-3	SSV083024CZ03	Total/NA	Air	D1946	
MB 570-478094/4	Method Blank	Total/NA	Air	D1946	
LCS 570-478094/2	Lab Control Sample	Total/NA	Air	D1946	
LCSD 570-478094/3	Lab Control Sample Dup	Total/NA	Air	D1946	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: SSV083024CZ01

Lab Sample ID: 200-74969-1

Date Collected: 08/30/24 07:19

Matrix: Air

Date Received: 08/31/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208280	K1P	EET BUR	09/04/24 20:43
Total/NA	Analysis	D1946		1	478094	F5GP	EET CAL 4	09/06/24 19:54

Client Sample ID: SSV083024CZ02

Lab Sample ID: 200-74969-2

Date Collected: 08/30/24 07:29

Matrix: Air

Date Received: 08/31/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		49.6	208280	K1P	EET BUR	09/04/24 21:34
Total/NA	Analysis	TO-15	DL	253	208280	K1P	EET BUR	09/04/24 22:27
Total/NA	Analysis	D1946		1	478094	F5GP	EET CAL 4	09/06/24 20:17

Client Sample ID: SSV083024CZ03

Lab Sample ID: 200-74969-3

Date Collected: 08/30/24 07:33

Matrix: Air

Date Received: 08/31/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		19.9	208280	K1P	EET BUR	09/04/24 23:20
Total/NA	Analysis	TO-15	DL	101	208280	K1P	EET BUR	09/05/24 00:13
Total/NA	Analysis	D1946		1	478094	F5GP	EET CAL 4	09/06/24 20:39

Client Sample ID: IA083024CZ01

Lab Sample ID: 200-74969-4

Date Collected: 08/30/24 14:20

Matrix: Air

Date Received: 08/31/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208280	K1P	EET BUR	09/05/24 01:11

Client Sample ID: IA083024CZ02

Lab Sample ID: 200-74969-5

Date Collected: 08/30/24 14:28

Matrix: Air

Date Received: 08/31/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208280	K1P	EET BUR	09/05/24 02:08

Client Sample ID: IA083024CZ03

Lab Sample ID: 200-74969-6

Date Collected: 08/30/24 14:22

Matrix: Air

Date Received: 08/31/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208272	K1P	EET BUR	09/04/24 23:53

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Client Sample ID: OA083024CZ01
Date Collected: 08/30/24 14:24
Date Received: 08/31/24 10:00

Lab Sample ID: 200-74969-7
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208272	K1P	EET BUR	09/05/24 00:53

Laboratory References:
EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

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 the governing authority. 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	Ethanol
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

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-24
Arkansas DEQ	State	88-0161	07-02-25
California	Los Angeles County Sanitation Districts	9257304	08-01-24 *
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	09-12-24
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR
D1946	Fixed Gases (Helium)	ASTM	EET CAL 4

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Laboratory References:

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

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job ID: 200-74969-1
SDG: 200-74969-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-74969-1	SSV083024CZ01	Air	08/30/24 07:19	08/31/24 10:00	Air Canister (6-Liter) #3526
200-74969-2	SSV083024CZ02	Air	08/30/24 07:29	08/31/24 10:00	Air Canister (6-Liter) #5628
200-74969-3	SSV083024CZ03	Air	08/30/24 07:33	08/31/24 10:00	Air Canister (6-Liter) #34001293
200-74969-4	IA083024CZ01	Air	08/30/24 14:20	08/31/24 10:00	Air Canister (6-Liter) #3197
200-74969-5	IA083024CZ02	Air	08/30/24 14:28	08/31/24 10:00	Air Canister (6-Liter) #4779
200-74969-6	IA083024CZ03	Air	08/30/24 14:22	08/31/24 10:00	Air Canister (6-Liter) #3036
200-74969-7	OA083024CZ01	Air	08/30/24 14:24	08/31/24 10:00	Air Canister (6-Liter) #5460

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-8809
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



Environment Testing
America

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information				Client Project Manager: Michelle Kukta				Samples Collected By: <i>Chris Zuercher / Kennedy Thomas - Excellence</i>										COC No: _____ of _____ COCs						
Company Name: GHD Services Inc.				Phone: 579-884/7211														TALS Project # _____						
Address: 2055 Niagara Falls Blvd Suite 3				Email: michelle.kukta@ghd.com														For Lab Use Only:						
City/State/Zip: Niagara Falls, NY 14304																		Walk-in Client:						
Phone: 579-884 (Tel)				Site Contact: Michelle Kukta														Lab Sampling						
FAX: _____				Tel/Fax: _____														Job / SDG No _____						
Project Name: Enterprise Plaza - 00-1				Analysis Turnaround Time _____														(See below for Add'l Items)						
Site/Location: Enterprise Plaza, Hicksville, NY				Standard (Specific) _____																				
P O # _____				Rush (Specify) _____																				
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:
SSV083024C201	8/30/24	6:56	7:19	7:19	7:19	-30	-2	6727	3526	X	X					X	helium		X					helium
SSV083024C202		6:57	7:29	7:29	7:29	-30	-6	5628	5628	X	X					X	helium		X					helium
SSV083024C203		6:59	7:33	7:33	7:33	-30	-4	6984	3400293	X	X					X	helium		X					helium
IAO83024C201		8:18	14:20	14:20	14:20	-30	-8	3856	3197	X	X													
IAO83024C202		6:33	14:28	14:28	14:28	-30	-10	3114	4779	X	X													
IAO83024C203		6:28	14:22	14:22	14:22	-30	-9	3222	3036	X	X													
OA083024C201		6:24	14:24	14:24	14:24	-30	-8	5185	5460	X	X													
Barcode: 200-74969 Chain of Custody																								
Special Instructions/QC Requirements & Comments:																								
Samples Shipped by: _____		Date / Time: 8/30/24 3:30pm		Samples Received by: _____		Date / Time: 8/31/24 1000																		
Samples Relinquished by: _____		Date / Time: _____		Received by: _____		Date / Time: _____																		
Relinquished by: _____		Date / Time: _____		Received by: _____		Date / Time: _____																		
Lab Use Only: _____		Shipper Name: _____		Opened by: _____		Condition: _____																		



Environment Testing
TestAmerica

ORIGIN ID: BTVA (516) 729-3293
ACTWGT: 10.00 LB MAN
CHRISTOPHER ZWEIER
GHD SERVICES, INC.
323 HERRICK AVE.

SHIP DATE: 23AUG24
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3808

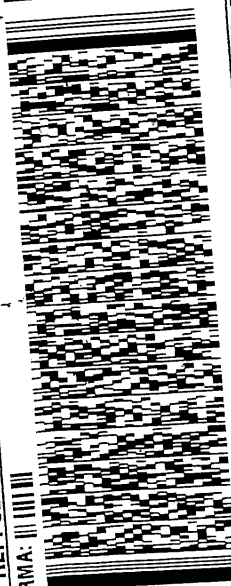
NORTH MERRICK, NY 11566
UNITED STATES US

TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1068
REF: \$200-34702

RMA: |||||

FedEx
Express



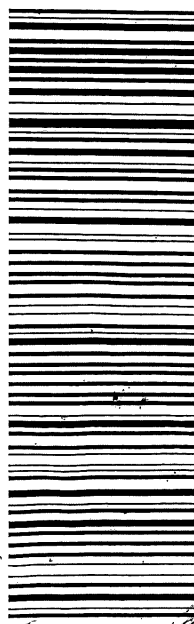
FedEx

TRK# 4026 3217 9517
0221

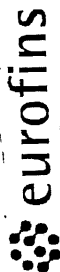
X0 BTVA

05403
VT-US
BTB

SATURDAY 12:00P
PRIORITY OVERNIGHT



528671 30AUG2024 BPAA 581G6/AL20/C088



Environment Testing
TestAmerica

ORIGIN ID: BTVA (516) 729-3293
CHRISTOPHER ZWEIER
GHD SERVICES, INC.
323 HERRICK AVE.

SHIP DATE: 23AUG24
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3808

NORTH MERRICK, NY 11566
UNITED STATES US

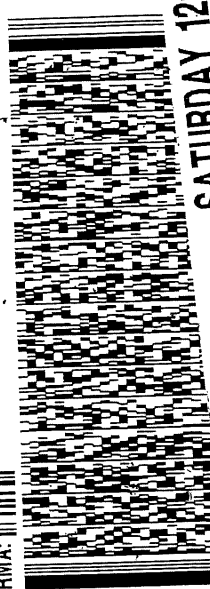
TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1068

REF: \$200-34702

RMA: |||||

FedEx
Express



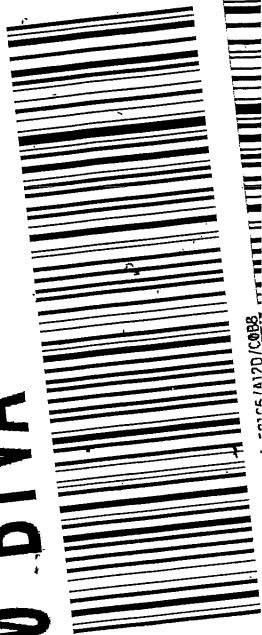
FedEx

TRK# 4026 3217 9506
0221

X0 BTVA

05403
VT-US
BTB

SATURDAY 12:00P
PRIORITY OVERNIGHT



528671 30AUG2024 BPAA 581G6/AL20/C088



Environment Testing
TestAmerica



200-74969 Waybill

ORIGIN ID:BTVA (802) 660-1990
SAMPLE RECEIVING
TEST AMERICA
530 COMMUNITY DRIVE
SUITE 11
BURLINGTON, VT 05401
UNITED STATES US

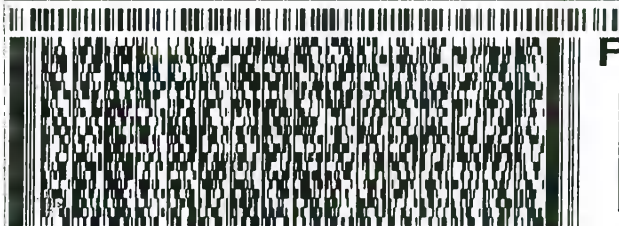
SHIP DATE: 05SEP24
ACTWGT: 25.00 LB MAN
CAD: 000890364/CAFE3854
DIMS: 20x20x14 IN
BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING SOUTHW
2841 DOW AVENUE, SUITE 100

TUSTIN CA 92780

(714) 895-5494
PO: YES

REF: S200-34768



FedEx
Express



J243024070401m

TRK# 4125 0068 6581
0201

FRI - 06 SEP 5:00P
STANDARD OVERNIGHT

NW DTHA

92780
CA-US SNA



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- 16

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 200-74969-1

SDG Number: 200-74969-1

Login Number: 74969

List Number: 1

Creator: Lavigne, Scott M

List Source: Eurofins Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2415375, 5374
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 200-74969-1

SDG Number: 200-74969-1

Login Number: 74969

List Number: 2

Creator: Cruise, Noel

List Source: Eurofins Calscience

List Creation: 09/06/24 01:04 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	
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?	False	Received project as a subcontract.
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Canister Cleaning & Pre-Shipment Leak Test

[illegible]

Dup Tees/Vac gauges (enter IDs if included):

Form ID: FAI023:12
Revision Date: 12/18/2018

Age	Number of people
1	15
2	14
3	13
4	12
5	11
6	10
7	9
8	8
9	7
10	6
11	5
12	4
13	3
14	2
15	1
16	0

200-74539-A-3
2515
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/27/2024 12:00 AM 200-1910869

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	10	8/2/2024	26	SML	6 liter	batch								
Port	Can ID	Initial ¹ (psia)	Final ¹ (psia)	Diff. ³	Final ("Hg)	Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:	Temp:
1	34000200	0	0	0	-30.0	GA01	8/14/24	1050	23	25.0	GA01	8/21/24	1325	23	23.0
2	4332	0	0	0	-12	GA01					GA01				
3	3197	0	0	0		GA01					GA01				
4	34001293	0	0	0		GA01					GA01				
5	5707	0	0	0		GA01					GA01				
6	344ggg37	0	0	0		GA01					GA01				
7	7843	0	0	0		GA01					GA01				
8	3257	0	0	0	-30.1	GA01	8/20/24	1035	23	24.0	GA01	8/26/24	1355	23	24.0
9	34000450	0	0	0	-30.0	GA01	8/14/24	1050	23	25.0	GA01	8/26/24	1325	23	23.0
10	34000074	0	0	0		GA01					GA01				
11	3265	0	0	0		GA01					GA01				
12	2521	0	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

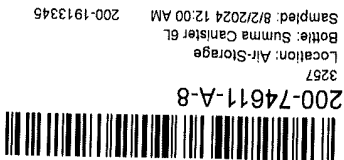
PM Authorization
 Date: _____

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Secondary Review	Reviewer
3257	8/16/24	61967	KPI		XXXXXX				8/16/24	MM

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: _____



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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74539-1</u>
SDG No.: _____	
Client Sample ID: <u>2515</u>	Lab Sample ID: <u>200-74539-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>61451_020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>07/27/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>08/03/2024 00:55</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>207101</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.014
100-42-5	Styrene	0.040	U	0.040	0.012
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.0090
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.011
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.018
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0084
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0078
107-05-1	Allyl chloride	0.10	U	0.10	0.024
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.019
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.026
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.0094
108-88-3	Toluene	0.040	U	0.040	0.012
108-90-7	Chlorobenzene	0.040	U	0.040	0.0088
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.26
110-54-3	Hexane	0.10	U	0.10	0.022
110-82-7	Cyclohexane	0.040	U	0.040	0.012
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.066
123-91-1	1,4-Dioxane	0.040	U	0.040	0.016
124-48-1	Dibromochloromethane	0.040	U	0.040	0.013
127-18-4	Tetrachloroethene	0.040	U	0.040	0.0042
142-82-5	n-Heptane	0.040	U	0.040	0.011
156-59-2	1,2-Dichloroethene, cis-	0.028	U	0.028	0.0042
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.0046
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.0072
179601-23-1	m,p-Xylene	0.10	U	0.10	0.019
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.0076
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.015
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.0044
593-60-2	Vinyl bromide	0.040	U	0.040	0.010
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.0098
64-17-5	Ethanol	1.0	U	1.0	0.52
67-63-0	Isopropanol	1.0	U	1.0	0.32

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74539-1</u>
SDG No.: _____	
Client Sample ID: <u>2515</u>	Lab Sample ID: <u>200-74539-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>61451_020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>07/27/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>08/03/2024 00:55</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>207101</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1.0	U	1.0	0.32
67-66-3	Chloroform	0.040	U	0.040	0.0082
71-43-2	Benzene	0.040	U	0.040	0.0088
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.0088
74-83-9	Bromomethane	0.040	U	0.040	0.014
74-87-3	Chloromethane	0.10	U	0.10	0.030
75-00-3	Chloroethane	0.10	U	0.10	0.036
75-01-4	Vinyl chloride	0.028	U	0.028	0.0042
75-09-2	Methylene Chloride	0.10	U	0.10	0.036
75-15-0	Carbon disulfide	0.10	U	0.10	0.026
75-25-2	Bromoform	0.040	U	0.040	0.024
75-27-4	Bromodichloromethane	0.040	U	0.040	0.010
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0050
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.0052
75-65-0	tert-Butyl alcohol	1.0	U	1.0	0.24
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.010
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.022
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.011
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.0096
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.019
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.098
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.015
79-01-6	Trichloroethene	0.028	U	0.028	0.0050
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.0086
80-62-6	Methyl methacrylate	0.10	U	0.10	0.028
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.022
91-20-3	Naphthalene	0.10	U	0.10	0.060
95-47-6	Xylene, o-	0.040	U	0.040	0.013
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.0092
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.013
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.016
591-78-6	2-Hexanone	0.10	U	0.10	0.030

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74539-1</u>
SDG No.: _____	
Client Sample ID: <u>2515</u>	Lab Sample ID: <u>200-74539-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>61451_020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>07/27/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>08/03/2024 00:55</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>207101</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-07-1	Propene	1.0	U	1.0	0.24
75-45-6	Chlorodifluoromethane	0.10	U	0.10	0.024
106-97-8	Butane	0.10	U	0.10	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	0.24
141-78-6	Ethyl acetate	1.0	U	1.0	0.32
98-82-8	Isopropylbenzene	0.040	U	0.040	0.0082
103-65-1	N-Propylbenzene	0.040	U	0.040	0.0094
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.0094
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.0090
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.012
100-44-7	Benzyl chloride	0.040	U	0.040	0.018
104-51-8	n-Butylbenzene	0.040	U	0.040	0.022

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_020.D
 Lims ID: 200-74539-A-3
 Client ID: 2515
 Sample Type: Client
 Inject. Date: 03-Aug-2024 00:55:33 ALS Bottle#: 0 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0061451-020
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Aug-2024 21:41:44 Calib Date: 18-Jun-2024 22:56:27
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1609

First Level Reviewer: YWL8

Date:

04-Aug-2024 21:42:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.315				ND	7
2 Dichlorodifluoromethane	85		4.412				ND	
3 Chlorodifluoromethane	51		4.465				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.786				ND	
5 Chloromethane	50		4.915				ND	7
7 Butane	43		5.214				ND	7
6 Vinyl chloride	62		5.214				ND	
8 Butadiene	54		5.332				ND	
9 Bromomethane	94		6.081				ND	
10 Chloroethane	64		6.359				ND	
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101		6.953				ND	
16 Ethanol	45		7.354				ND	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.071				ND	
22 Acetone	43		8.130				ND	7
23 Isopropyl alcohol	45		8.435				ND	7
24 Carbon disulfide	76		8.440				ND	7
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49		8.986				ND	7
28 2-Methyl-2-propanol	59		9.216				ND	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	
32 Hexane	57		9.992				ND	
33 1,1-Dichloroethane	63		10.270				ND	
34 Vinyl acetate	43		10.275				ND	
36 2-Butanone (MEK)	72		11.259				ND	
37 cis-1,2-Dichloroethene	96		11.281				ND	
38 Ethyl acetate	88		11.329				ND	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	96	224731	10.0	
40 Tetrahydrofuran	42		11.730				ND	
41 Chloroform	83		11.880				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 1,1,1-Trichloroethane	97		12.174				ND	
43 Cyclohexane	84		12.303				ND	
44 Carbon tetrachloride	117		12.447				ND	
45 Benzene	78		12.806				ND	7
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57		13.009				ND	
48 n-Heptane	43		13.319				ND	7
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	96	1040711	10.0	
51 Trichloroethene	95		13.983				ND	
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.534				ND	
55 1,4-Dioxane	88		14.576				ND	
58 Dichlorobromomethane	83		14.924				ND	
59 cis-1,3-Dichloropropene	75		15.727				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.994				ND	
62 Toluene	92		16.358				ND	
66 trans-1,3-Dichloropropene	75		16.786				ND	
67 1,1,2-Trichloroethane	83		17.166				ND	
68 Tetrachloroethene	166		17.348				ND	
69 2-Hexanone	43		17.578				ND	
70 Chlorodibromomethane	129		17.904				ND	
71 Ethylene Dibromide	107		18.139				ND	
* 73 Chlorobenzene-d5	117	19.049	19.049	0.000	89	877690	10.0	
74 Chlorobenzene	112		19.108				ND	
75 Ethylbenzene	91		19.295				ND	7
76 m-Xylene & p-Xylene	106		19.557				ND	
78 o-Xylene	106		20.327				ND	
79 Styrene	104		20.359				ND	
81 Bromoform	173		20.702				ND	
82 Isopropylbenzene	105		20.996				ND	
83 1,1,2,2-Tetrachloroethane	83		21.515				ND	7
85 N-Propylbenzene	91		21.692				ND	
86 2-Chlorotoluene	91		21.841				ND	
87 4-Ethyltoluene	105		21.884				ND	
88 1,3,5-Trimethylbenzene	105		21.975				ND	
91 tert-Butylbenzene	119		22.451				ND	
92 1,2,4-Trimethylbenzene	105		22.537				ND	
93 sec-Butylbenzene	105		22.772				ND	
94 1,3-Dichlorobenzene	146		22.949				ND	
95 4-Isopropyltoluene	119		22.981				ND	
96 1,4-Dichlorobenzene	146		23.088				ND	
97 Benzyl chloride	91		23.243				ND	
98 n-Butylbenzene	91		23.548				ND	
99 1,2-Dichlorobenzene	146		23.591				ND	
102 1,2,4-Trichlorobenzene	180		26.094				ND	
103 Hexachlorobutadiene	225		26.335				ND	
104 Naphthalene	128		26.592				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

1
2
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16

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_020.D

Injection Date: 03-Aug-2024 00:55:33

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: 200-74539-A-3

Lab Sample ID: 200-74539-3

Worklist Smp#: 20

Client ID: 2515

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

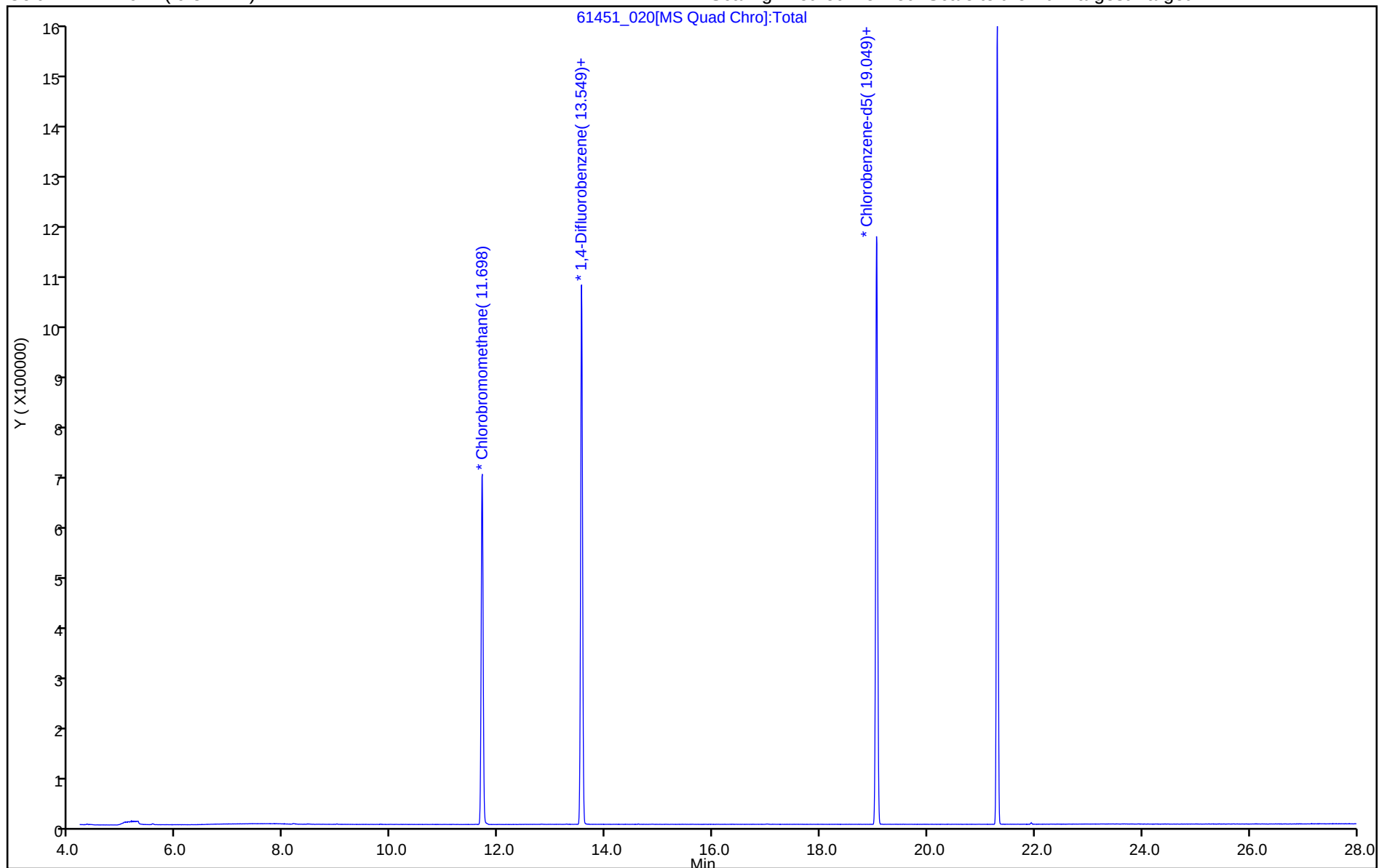
ALS Bottle#: 0

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: <u>Eurofins Burlington</u>	Job No.: <u>200-74611-1</u>
SDG No.: _____	
Client Sample ID: <u>3257</u>	Lab Sample ID: <u>200-74611-8</u>
Matrix: <u>Air</u>	Lab File ID: <u>61467-08.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>08/02/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>08/05/2024 12:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>207148</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-74611-1</u>
SDG No.: _____	
Client Sample ID: <u>3257</u>	Lab Sample ID: <u>200-74611-8</u>
Matrix: <u>Air</u>	Lab File ID: <u>61467-08.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>08/02/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>08/05/2024 12:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>207148</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

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.: 200-74611-1
SDG No.: _____
Client Sample ID: 3257 Lab Sample ID: 200-74611-8
Matrix: Air Lab File ID: 61467-08.d
Analysis Method: TO-15 Date Collected: 08/02/2024 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 08/05/2024 12:56
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.: 207148 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHW.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\CHW.i\20240805-61467.b\61467-08.d
 Lims ID: 200-74611-A-8
 Client ID: 3257
 Sample Type: Client
 Inject. Date: 05-Aug-2024 12:56:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0061467-008
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20240805-61467.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Aug-2024 09:32:38 Calib Date: 19-Apr-2024 03:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240418-59993.b\59993-14.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: YWL8

Date:

06-Aug-2024 09:32:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.088				ND	
2 Dichlorodifluoromethane	85		4.168				ND	
3 Chlorodifluoromethane	51		4.211				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.495				ND	
5 Chloromethane	50		4.612				ND	
6 Vinyl chloride	62		4.907				ND	
7 Butane	43		4.907				ND	
8 Butadiene	54		5.019				ND	
9 Bromomethane	94		5.746				ND	
10 Chloroethane	64		6.030				ND	
13 Vinyl bromide	106		6.490				ND	
14 Trichlorofluoromethane	101		6.672				ND	
16 Ethanol	45		7.068				ND	
20 1,1-Dichloroethene	96		7.892				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.935				ND	
22 Acetone	43		7.972				ND	
23 Isopropyl alcohol	45		8.314				ND	
24 Carbon disulfide	76	8.502	8.485	0.118	94	1901	0.0631	
26 3-Chloro-1-propene	41		8.716				ND	
27 Methylene Chloride	49	9.106	9.106	0.112	81	690	0.0581	7M
28 2-Methyl-2-propanol	59		9.251				ND	
30 trans-1,2-Dichloroethene	61		9.604				ND	
31 Methyl tert-butyl ether	73		9.609				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
32 Hexane	57		10.208				ND	
33 1,1-Dichloroethane	63		10.502				ND	
34 Vinyl acetate	43		10.508				ND	
36 2-Butanone (MEK)	72		11.610				ND	
37 cis-1,2-Dichloroethene	96		11.647				ND	
38 Ethyl acetate	88		11.706				ND	
* 39 Chlorobromomethane	128	12.204	12.113	0.091	93	73844	10.0	
40 Tetrahydrofuran	42		12.177				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Chloroform	83		12.305				ND	
42 1,1,1-Trichloroethane	97		12.658				ND	
43 Cyclohexane	84		12.819				ND	
44 Carbon tetrachloride	117		12.974				ND	
45 Benzene	78		13.348				ND	
46 1,2-Dichloroethane	62		13.423				ND	
47 Isooctane	57		13.584				ND	
48 n-Heptane	43		13.915				ND	
* 49 1,4-Difluorobenzene	114	14.210	14.140	0.070	95	388138	10.0	
51 Trichloroethene	95		14.616				ND	
53 1,2-Dichloropropane	63		15.098				ND	
54 Methyl methacrylate	69		15.178				ND	
55 1,4-Dioxane	88		15.242				ND	
57 Dibromomethane	174		15.274				ND	
58 Dichlorobromomethane	83		15.590				ND	
59 cis-1,3-Dichloropropene	75		16.435				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.703				ND	
62 Toluene	92		17.120				ND	
66 trans-1,3-Dichloropropene	75		17.532				ND	
67 1,1,2-Trichloroethane	83		17.928				ND	
68 Tetrachloroethene	166		18.158				ND	
69 2-Hexanone	43		18.340				ND	
70 Chlorodibromomethane	129		18.703				ND	
71 Ethylene Dibromide	107		18.960				ND	
* 73 Chlorobenzene-d5	117	19.918	19.891	0.027	87	325281	10.0	
74 Chlorobenzene	112		19.955				ND	
S 80 Xylenes, Total	106		20.100				ND	7
75 Ethylbenzene	91		20.137				ND	7
76 m-Xylene & p-Xylene	106		20.394				ND	
78 o-Xylene	106		21.105				ND	
79 Styrene	104		21.138				ND	
81 Bromoform	173		21.459				ND	
82 Isopropylbenzene	105		21.726				ND	
83 1,1,2,2-Tetrachloroethane	83		22.191				ND	
85 N-Propylbenzene	91		22.389				ND	
86 2-Chlorotoluene	91		22.539				ND	
87 4-Ethyltoluene	105		22.571				ND	
88 1,3,5-Trimethylbenzene	105		22.652				ND	
91 tert-Butylbenzene	119		23.117				ND	
92 1,2,4-Trimethylbenzene	105		23.197				ND	
93 sec-Butylbenzene	105		23.438				ND	
94 1,3-Dichlorobenzene	146		23.631				ND	
95 4-Isopropyltoluene	119		23.652				ND	
96 1,4-Dichlorobenzene	146		23.775				ND	
97 Benzyl chloride	91		23.925				ND	
98 n-Butylbenzene	91		24.251				ND	
99 1,2-Dichlorobenzene	146		24.315				ND	
102 1,2,4-Trichlorobenzene	180		27.033				ND	
103 Hexachlorobutadiene	225		27.306				ND	
104 Naphthalene	128		27.589				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

1
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16

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240805-61467.b\61467-08.d

Injection Date: 05-Aug-2024 12:56:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: 200-74611-A-8

Lab Sample ID: 200-74611-8

Worklist Smp#: 8

Client ID: 3257

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

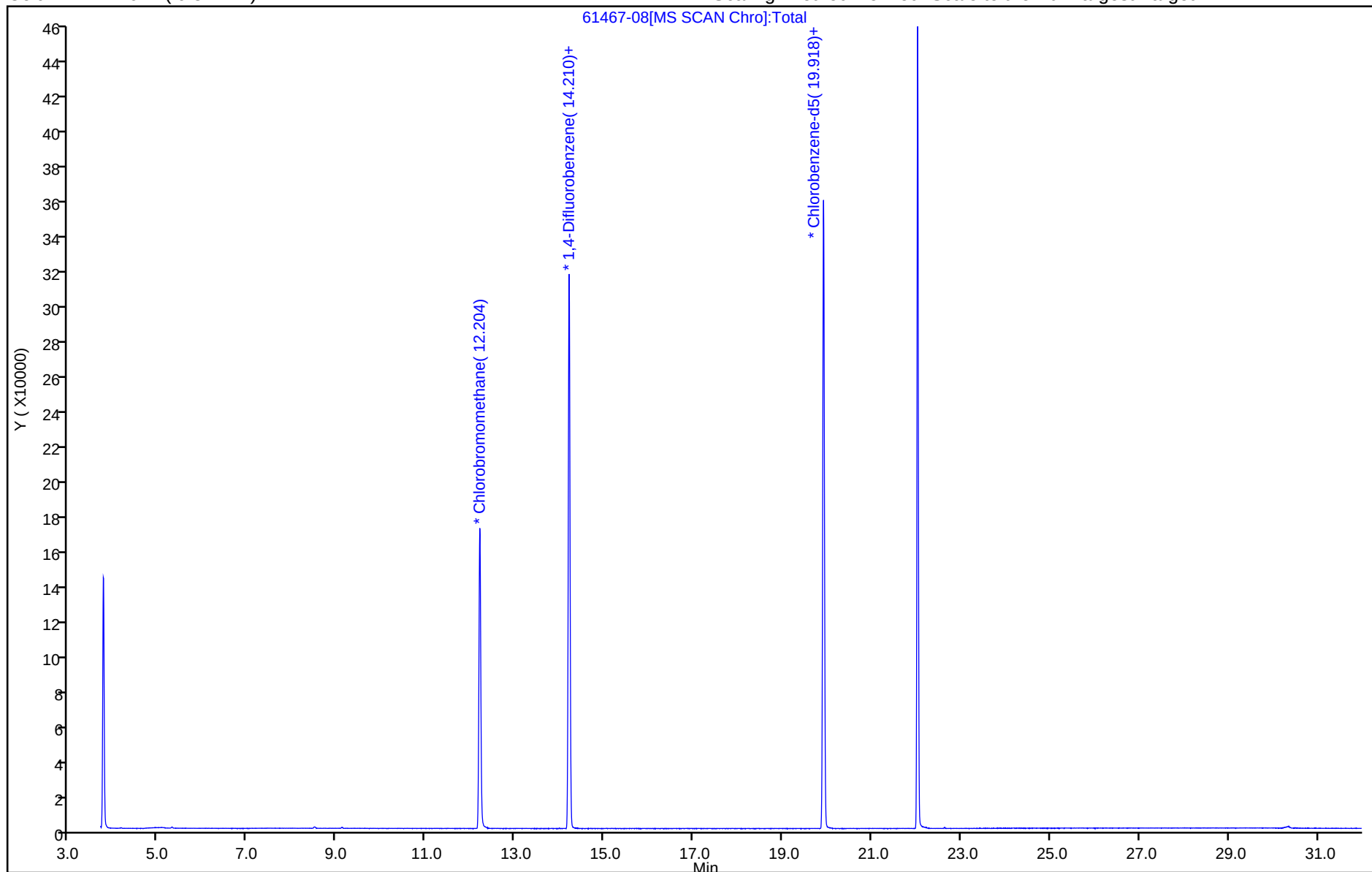
ALS Bottle#: 7

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

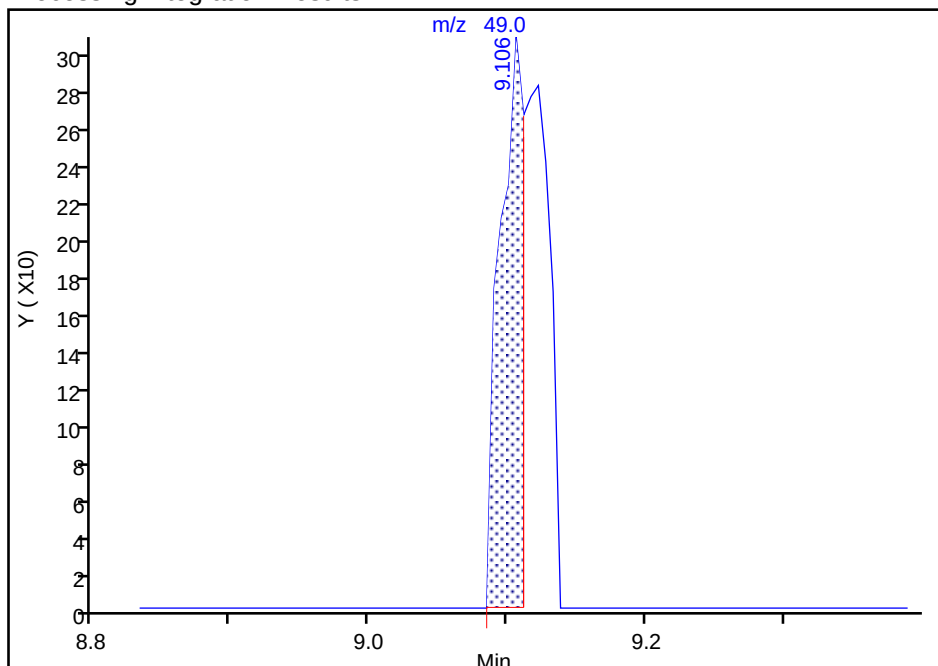
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240805-61467.b\61467-08.d		
Injection Date:	05-Aug-2024 12:56:30	Instrument ID:	CHW.i
Lims ID:	200-74611-A-8	Lab Sample ID:	200-74611-8
Client ID:	3257		
Operator ID:	vtp	ALS Bottle#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

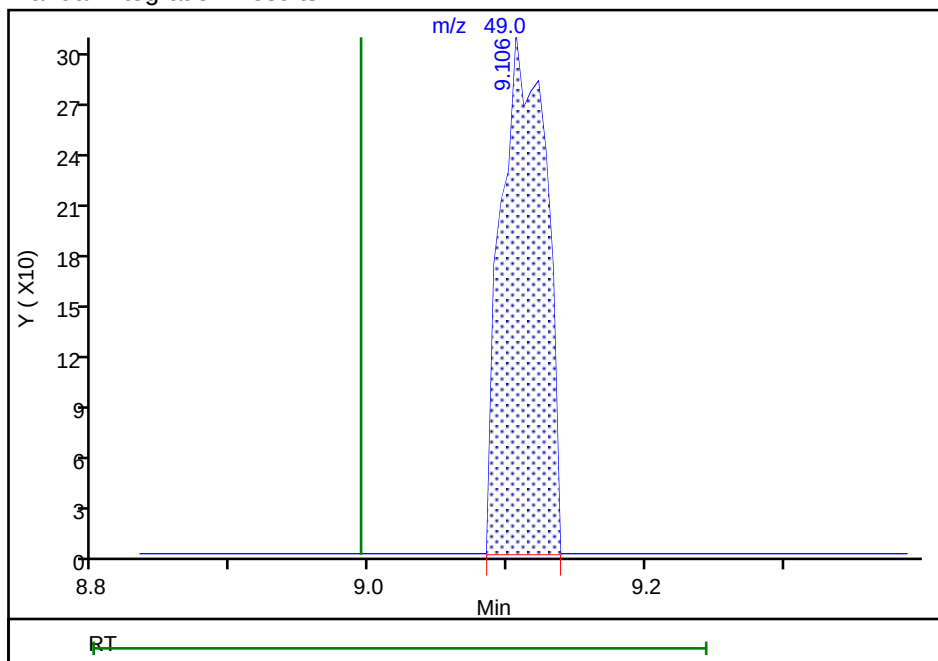
RT: 9.11
Area: 379
Amount: 0.031911
Amount Units: ppb v/v

Processing Integration Results



RT: 9.11
Area: 690
Amount: 0.058097
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 06-Aug-2024 09:31:22 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Summa Canister Dilution Worksheet

Client: GHD Services Inc.
Project/Site: Hooker Chemical/Ruco Polymer Superfund Site

Job No.: 200-74969-1
SDG No.: 200-74969-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
200-74969-2	6	-5.8	0.81	4.84	5.4	1.37	8.20		1.70	1.70	G20	09/04/24 13:32	TPB
200-74969-2	6	0	1.00	6.00	41.5	3.82	22.94		3.82	6.48	G20	09/04/24 13:33	TPB
200-74969-2	6	0	1.00	6.00	16.8	2.14	12.86		2.14	13.90	G20	09/04/24 13:33	TPB
200-74969-3	6	-2.1	0.93	5.58	5.2	1.35	8.12		1.46	1.46	G20	09/04/24 13:33	TPB
200-74969-3	6	0	1.00	6.00	51.6	4.51	27.06		4.51	6.57	G20	09/04/24 13:33	TPB

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg

Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig) * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Attachment 3

Data Validation Memorandum



Data Validation Report

October 11, 2024

To	John Pentilchuk	Contact No.	716-205-1990
From	Michelle Kukta/cs/15	Email	Michelle.Kukta@ghd.com
Subject	Analytical Results and Full Validation OU-5 Soil Vapor and Air Sampling Glenn Springs Holdings, Inc. Hooker Chemical/Ruco Polymer Superfund Site Hicksville, New York August 2024	Project No.	11224973

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a validation of analytical results for soil vapor and air samples collected in support of the OU-5 Soil Vapor and Air Sampling at the Hicksville, New York site during August 2024. Samples were submitted to Eurofins Burlington laboratory located in South Burlington, Vermont and Eurofins Calscience laboratory located in Tusti, California. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody form, calibration data, blank data, and recovery data from laboratory control samples (LCS). The assessment of analytical and in-house data included checks for data consistency (by observing comparability of duplicate analyses), adherence to accuracy and precision criteria, and transmittal errors.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the document entitled, "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA), 540-R-20-005, November 2020.

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were analyzed within the required holding times.

All sample canisters were received at the laboratory in good condition and within acceptable canister pressure range of -1 inch of mercury (Hg) to -10 inches of Hg, indicating samples were still under vacuum upon receipt. Sample IA083024CZ03 was received by the laboratory at an elevated residual vacuum level. The flow controller was within acceptable range and the laboratory determined there was no change to the sample analysis or reporting limit, therefore no qualification of the data results was deemed necessary.

3. Gas Chromatography/Mass Spectrometer (GC/MS) – Tuning and Mass Calibration - Instrument Performance Check

Prior to volatile organic compounds (VOCs) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the method requires the analysis of the specific tuning compound bromofluorobenzene (BFB). The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compound must then be repeated every 24 hours throughout sample analysis to ensure the continued optimization of the instrument.

The tuning compound was analyzed at the required frequency throughout VOC analysis periods. All tuning criteria were met indicating that proper optimization of the instrumentation was achieved.

4. Initial Calibration

4.1 GC/MS

To quantify VOCs of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

- i) All relative response factors (RRFs) must meet the criteria outlined in the analytical method
- ii) The percent relative standard deviation (%RSD) values must not exceed 30.0 percent

The initial calibration data for VOCs were reviewed. All compounds met the criteria for sensitivity and linearity.

4.2 GC

In order to quantify helium by GC, calibration of the gas chromatograph over a specific concentration range must be performed. Initially, a calibration curve consisting of a minimum of five concentration levels is analyzed for all single component compounds of interest. Linearity of the calibration curve is acceptable if %RSD values are less than or equal to 20.0 percent.

Retention time windows are also calculated from the initial calibration analyses. These windows are then used to identify the compound of interest in subsequent analyses.

The initial calibration data for helium were reviewed. All retention time, peak resolution, and linearity criteria were satisfied as specified in the method.

5. Continuing Calibration - Organic Analyses

5.1 GC/MS

To ensure that instrument calibration for VOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 24 hours. Stability of the calibration curve and instrument sensitivity are evaluated against the following criteria:

- i) All RRF values must meet the criteria outlined in the analytical method
- ii) Percent difference (%D) values must not exceed 30.0 percent

Calibration standards were analyzed at the required frequency, and all results met the above method criteria for instrument sensitivity and stability.

5.2 GC

To ensure that the calibration of the instrument for helium by GC is valid throughout the sample analysis period, continuing calibration standards are analyzed and evaluated on a regular basis. To evaluate the continued linearity of the calibration, %D values are calculated for the compound. As specified in the method, all %D values should not exceed 20.0 percent. To ensure that compound retention times do not vary over the analysis period, all retention times for continuing calibration compounds must fall within the established retention time windows.

The continuing calibration standards were analyzed at the required frequency. All %D values and compound retention times met the above criteria indicating acceptable instrument calibration throughout the analysis period.

6. Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

7. Internal Standards (IS) Analyses

IS data were evaluated for all VOC sample analyses.

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, IS compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the IS responses.

The sample IS results were evaluated against the following criteria:

- i) The retention time of the IS must not vary more than ± 33 seconds from the associated calibration standard.
- ii) IS area counts must not vary by more than ± 40 percent from the associated calibration standard.

All organic IS recoveries and retention times met the above criteria.

8. Laboratory Control Sample Analyses

LCS or LCS/laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS or LCS/LCSD were analyzed at a minimum frequency of one per analytical batch.

The LCS and LCS/LCSD contained all compounds of interest. All LCS recoveries and RPDs, where applicable, were within the laboratory control limits demonstrating acceptable analytical accuracy and precision.

9. Field QA/QC Samples

Field QA/QC samples were not submitted for this event.

10. Analyte Reporting

The laboratory reported detected results down to the sample-specific method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were qualified as estimated (J) in Table 2. Non-detect results were presented as non-detect at the RL in Table 2.

The laboratory reporting limits were confirmed to have met the New York State Department of Health (NYSDOH) air guidelines criteria for non-detect sample results.

11. Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra were evaluated according to the identification criteria established by the method. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

12. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

Regards,



Michelle Kukta
Data Management Team Leader - Chemistry and Data Validation

Table 1

Sample Collection and Analysis Summary
OU-5 Soil Vapor and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	<u>Parameters</u>	
					VOCs	Helium
IA083024CZ01	IA-3	Indoor Air	08/30/2024	14:20	X	
IA083024CZ02	IA-1	Indoor Air	08/30/2024	14:28	X	
IA083024CZ03	IA-2	Indoor Air	08/30/2024	14:22	X	
OA083024CZ01	OA-1	Ambient Air	08/30/2024	14:24	X	
SSV083024CZ01	SV-2	Soil Vapor	08/30/2024	07:19	X	X
SSV083024CZ02	SV-1	Soil Vapor	08/30/2024	07:29	X	X
SSV083024CZ03	SV-3	Soil Vapor	08/30/2024	07:33	X	X

Notes:

VOCs - Volatile Organic Compounds

Table 2

Analytical Results Summary
OU-5 Soil Vaport and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024

Location ID:		IA-1	IA-2	IA-3	OA-1
Sample Name:		IA083024CZ02	IA083024CZ03	IA083024CZ01	OA083024CZ01
Sample Date:		08/30/2024	08/30/2024	08/30/2024	08/30/2024
Parameters	Unit				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m3	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m3	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m3	0.20 U	0.20 U	0.20 U	0.20 U
1,2,4-Trichlorobenzene	µg/m3	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m3	2.7	0.98 U	0.39 J	0.53 J
1,2-Dibromoethane (Ethylene dibromide)	µg/m3	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m3	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m3	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m3	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	µg/m3	0.88 J	0.98 U	0.98 U	0.98 U
1,3-Butadiene	µg/m3	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m3	0.38 J	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m3	0.48 J	0.34 J	0.39 J	0.93 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m3	9.6	1.5 U	1.5 U	1.5 U
2-Chlorotoluene	µg/m3	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	µg/m3	2.0 U	2.0 U	2.0 U	2.0 U

Table 2

**Analytical Results Summary
OU-5 Soil Vaport and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024**

Location ID:		IA-1	IA-2	IA-3	OA-1
Sample Name:		IA083024CZ02	IA083024CZ03	IA083024CZ01	OA083024CZ01
Sample Date:		08/30/2024	08/30/2024	08/30/2024	08/30/2024
Parameters	Unit				
Volatile Organic Compounds					
2-Phenylbutane (sec-Butylbenzene)	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U
4-Ethyl toluene	µg/m3	0.95 J	0.98 U	0.98 U	0.98 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m3	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	µg/m3	44	24	23	12
Allyl chloride	µg/m3	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	µg/m3	0.51 J	0.36 J	0.38 J	0.28 J
Benzyl chloride	µg/m3	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m3	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m3	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane (Methyl bromide)	µg/m3	0.78 U	0.78 U	0.78 U	0.78 U
Butane	µg/m3	3.0	1.4	3.7	0.63 J
Carbon disulfide	µg/m3	1.3 J	0.42 J	1.6 U	1.5 J
Carbon tetrachloride	µg/m3	0.34	0.38	0.33	0.33
Chlorobenzene	µg/m3	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	µg/m3	2.2	3.2	2.2	2.9
Chloroethane	µg/m3	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform (Trichloromethane)	µg/m3	0.98 U	0.26 J	0.98 U	0.98 U
Chloromethane (Methyl chloride)	µg/m3	1.1	2.1	0.96 J	1.3
cis-1,2-Dichloroethene	µg/m3	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/m3	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m3	0.83	0.69 U	0.69 U	0.69 U

Table 2

**Analytical Results Summary
OU-5 Soil Vaport and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024**

Location ID:		IA-1	IA-2	IA-3	OA-1
Sample Name:		IA083024CZ02	IA083024CZ03	IA083024CZ01	OA083024CZ01
Sample Date:		08/30/2024	08/30/2024	08/30/2024	08/30/2024
Parameters	Unit				
Volatile Organic Compounds					
Cymene (p-Isopropyltoluene)	µg/m3	0.94 J	1.1 U	1.1 U	1.1 U
Dibromochloromethane	µg/m3	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane (CFC-12)	µg/m3	2.1 J	2.1 J	1.9 J	2.1 J
Ethanol	µg/m3	57	6.8 J	17	9.4 U
Ethylbenzene	µg/m3	1.9	0.60 J	0.46 J	0.33 J
Hexachlorobutadiene	µg/m3	2.1 U	2.1 U	2.1 U	2.1 U
Hexane	µg/m3	1.0 J	1.8 U	0.46 J	1.8 U
Isopropyl alcohol	µg/m3	5.2 J	4.3 J	12 U	12 U
Isopropyl benzene	µg/m3	0.97 J	0.98 U	0.98 U	0.98 U
m&p-Xylenes	µg/m3	5.4	0.92 J	1.0 J	0.93 J
Methyl methacrylate	µg/m3	97	18	27	1.0 J
Methyl tert butyl ether (MTBE)	µg/m3	0.72 U	0.72 U	0.72 U	0.72 U
Methylene chloride	µg/m3	0.99 J	0.81 J	0.92 J	0.85 J
N-Butylbenzene	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U
N-Heptane	µg/m3	1.4	0.39 J	0.46 J	0.82 U
N-Propylbenzene	µg/m3	0.70 J	0.98 U	0.98 U	0.98 U
Naphthalene	µg/m3	2.6 U	2.6 U	2.6 U	2.6 U
o-Xylene	µg/m3	1.8	0.29 J	0.35 J	0.31 J
Styrene	µg/m3	4.1	1.2	0.85 U	0.79 J
tert-Butyl alcohol	µg/m3	9.2 J	15 U	15 U	15 U
tert-Butylbenzene	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U

Table 2

Analytical Results Summary
OU-5 Soil Vaport and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024

Location ID:		IA-1	IA-2	IA-3	OA-1
Sample Name:		IA083024CZ02	IA083024CZ03	IA083024CZ01	OA083024CZ01
Sample Date:		08/30/2024	08/30/2024	08/30/2024	08/30/2024
Parameters	Unit				
Volatile Organic Compounds					
Tetrachloroethene	µg/m3	1.3 J	1.4 U	2.4	1.4 U
Tetrahydrofuran	µg/m3	15 U	15 U	15 U	15 U
Toluene	µg/m3	15	3.8	17	0.73 J
trans-1,2-Dichloroethene	µg/m3	0.79 U	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	µg/m3	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m3	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC-11)	µg/m3	1.1	1.1	0.97 J	1.1
Trifluorotrichloroethane (CFC-113)	µg/m3	1.5 U	1.5 U	0.42 J	1.5 U
Vinyl bromide (Bromoethene)	µg/m3	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	µg/m3	0.20 U	0.20 U	0.20 U	0.20 U
Helium	%v/v	--	--	--	--

Table 2

Analytical Results Summary
OU-5 Soil Vaport and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024

Location ID:		SV-1	SV-2	SV-3
Sample Name:		SSV083024CZ02	SSV083024CZ01	SSV083024CZ03
Sample Date:		08/30/2024	08/30/2024	08/30/2024
Parameters	Unit			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/m3	13 J	7.0	22 U
1,1,2,2-Tetrachloroethane	µg/m3	68 U	1.4 U	27 U
1,1,2-Trichloroethane	µg/m3	54 U	1.1 U	22 U
1,1-Dichloroethane	µg/m3	40 U	0.81 U	16 U
1,1-Dichloroethene	µg/m3	9.9 U	0.20 U	4.0 U
1,2,4-Trichlorobenzene	µg/m3	180 U	3.7 U	74 U
1,2,4-Trimethylbenzene	µg/m3	49 U	1.0	20 U
1,2-Dibromoethane (Ethylene dibromide)	µg/m3	76 U	1.5 U	31 U
1,2-Dichlorobenzene	µg/m3	60 U	1.2 U	24 U
1,2-Dichloroethane	µg/m3	40 U	0.81 U	16 U
1,2-Dichloropropane	µg/m3	46 U	0.92 U	18 U
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m3	69 U	1.4 U	28 U
1,3,5-Trimethylbenzene	µg/m3	49 U	0.34 J	20 U
1,3-Butadiene	µg/m3	22 U	0.44 U	8.8 U
1,3-Dichlorobenzene	µg/m3	60 U	1.2 U	24 U
1,4-Dichlorobenzene	µg/m3	60 U	1.2 U	24 U
1,4-Dioxane	µg/m3	890 U	0.35 J	360 U
2,2,4-Trimethylpentane	µg/m3	46 U	0.45 J	19 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m3	73 U	1.5 U	29 U
2-Chlorotoluene	µg/m3	51 U	1.0 U	21 U
2-Hexanone	µg/m3	100 U	2.0 U	41 U

Table 2

Analytical Results Summary
OU-5 Soil Vaport and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024

Location ID:		SV-1	SV-2	SV-3
Sample Name:		SSV083024CZ02	SSV083024CZ01	SSV083024CZ03
Sample Date:		08/30/2024	08/30/2024	08/30/2024
Parameters	Unit			
Volatile Organic Compounds				
2-Phenylbutane (sec-Butylbenzene)	µg/m3	54 U	1.1 U	22 U
4-Ethyl toluene	µg/m3	49 U	0.26 J	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m3	100 U	2.0 U	41 U
Acetone	µg/m3	590 U	34	240 U
Allyl chloride	µg/m3	78 U	1.6 U	31 U
Benzene	µg/m3	32 U	0.63 J	13 U
Benzyl chloride	µg/m3	51 U	1.0 U	21 U
Bromodichloromethane	µg/m3	66 U	1.3 U	27 U
Bromoform	µg/m3	100 U	2.1 U	41 U
Bromomethane (Methyl bromide)	µg/m3	39 U	0.78 U	15 U
Butane	µg/m3	59 U	2.2	24 U
Carbon disulfide	µg/m3	50 J	0.58 J	31 U
Carbon tetrachloride	µg/m3	11 U	0.67	4.4 U
Chlorobenzene	µg/m3	46 U	0.92 U	18 U
Chlorodifluoromethane	µg/m3	88 U	0.97 J	35 U
Chloroethane	µg/m3	65 U	1.3 U	26 U
Chloroform (Trichloromethane)	µg/m3	48 U	0.24 J	19 U
Chloromethane (Methyl chloride)	µg/m3	51 U	0.96 J	21 U
cis-1,2-Dichloroethene	µg/m3	9.9 U	0.20 U	4.0 U
cis-1,3-Dichloropropene	µg/m3	45 U	0.91 U	18 U
Cyclohexane	µg/m3	34 U	0.29 J	14 U

Table 2

**Analytical Results Summary
OU-5 Soil Vaport and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024**

Location ID:		SV-1	SV-2	SV-3
Sample Name:		SSV083024CZ02	SSV083024CZ01	SSV083024CZ03
Sample Date:		08/30/2024	08/30/2024	08/30/2024
Parameters	Unit			
Volatile Organic Compounds				
Cymene (p-Isopropyltoluene)	µg/m3	54 U	0.90 J	22 U
Dibromochloromethane	µg/m3	85 U	1.7 U	34 U
Dichlorodifluoromethane (CFC-12)	µg/m3	120 U	2.7	49 U
Ethanol	µg/m3	470 U	17	190 U
Ethylbenzene	µg/m3	43 U	0.77 J	17 U
Hexachlorobutadiene	µg/m3	110 U	2.1 U	42 U
Hexane	µg/m3	87 U	0.67 J	35 U
Isopropyl alcohol	µg/m3	610 U	12 U	240 U
Isopropyl benzene	µg/m3	49 U	0.20 J	20 U
m&p-Xylenes	µg/m3	110 U	2.1 J	43 U
Methyl methacrylate	µg/m3	100 U	74	41 U
Methyl tert butyl ether (MTBE)	µg/m3	36 U	0.72 U	14 U
Methylene chloride	µg/m3	86 U	0.81 J	35 U
N-Butylbenzene	µg/m3	54 U	1.1 U	22 U
N-Heptane	µg/m3	41 U	1.0	16 U
N-Propylbenzene	µg/m3	49 U	0.23 J	20 U
Naphthalene	µg/m3	130 U	2.6 U	52 U
o-Xylene	µg/m3	43 U	0.79 J	17 U
Styrene	µg/m3	42 U	0.36 J	17 U
tert-Butyl alcohol	µg/m3	750 U	5.2 J	300 U
tert-Butylbenzene	µg/m3	54 U	1.1 U	22 U

Table 2

**Analytical Results Summary
OU-5 Soil Vaport and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024**

Location ID:		SV-1	SV-2	SV-3
Sample Name:		SSV083024CZ02	SSV083024CZ01	SSV083024CZ03
Sample Date:		08/30/2024	08/30/2024	08/30/2024
Parameters	Unit			
Volatile Organic Compounds				
Tetrachloroethene	µg/m3	27000	100	7100
Tetrahydrofuran	µg/m3	730 U	15 U	290 U
Toluene	µg/m3	37 U	18	15 U
trans-1,2-Dichloroethene	µg/m3	39 U	0.79 U	16 U
trans-1,3-Dichloropropene	µg/m3	45 U	0.91 U	18 U
Trichloroethene	µg/m3	130	18	29
Trichlorofluoromethane (CFC-11)	µg/m3	56 U	1.5	22 U
Trifluorotrichloroethane (CFC-113)	µg/m3	76 U	4.8	31 U
Vinyl bromide (Bromoethene)	µg/m3	43 U	0.87 U	17 U
Vinyl chloride	µg/m3	9.9 U	0.20 U	4.0 U
Helium	%v/v	0.025 U	0.063	0.025 U

Notes:

U - Not detected at the associated reporting limit

J - Estimated concentration

"--" - Not applicable

Table 3

Analytical Methods
OU-5 Soil Vapor and Air Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
August 2024

Parameter	Method	Matrix	Holding Time
			Collection to Analysis (Days)
Volatile Organic Compounds (VOCs)	TO-15	Soil Vapor	30
		Air	30
Fixed Gases in Air - Helium	ASTM D1946	Soil Vapor	30

Method References:

EPA Method TO-15	- "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999
ASTM	- Annual Book of ASTM Standards, American Society for Testing Materials, Section 5 and Section 11

Attachment 2

Laboratory Report



ANALYTICAL REPORT

PREPARED FOR

Attn: Michelle Kukta
GHD Services Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls NY 14304

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JOB DESCRIPTION

Enterprise Plaza - OU-5
200-76392-1

JOB NUMBER

200-76392-1

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.

Authorization



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Table of Contents

Cover Title Page	1
Data Summaries	6
Definitions	6
Case Narrative	7
Detection Summary	8
Client Sample Results	17
Default Detection Limits	49
QC Sample Results	52
QC Association	82
Chronicle	83
Certification Summary	85
Method Summary	86
Sample Summary	87
Manual Integration Summary	88
Reagent Traceability	99
COAs	160
Organic Sample Data	197
Air - GC/MS VOA	197
Method TO15	197
Method TO15 QC Summary	198
Method TO15 Sample Data	224
Standards Data	600
Method TO15 ICAL Data	600
Method TO15 CCAL Data	903
Raw QC Data	947
Method TO15 Tune Data	947

Table of Contents

Method TO15 Blank Data	975
Method TO15 LCS/LCSD Data	1022
Method TO15 Duplicate/Triplicate Data	1050
Method TO15 Run Logs	1102
Method TO15 Prep Data	1109
Air Canister Dilution	1119
Air - GC VOA	1120
Method D1946	1120
Method D1946 QC Summary	1121
Method D1946 Sample Data	1124
Standards Data	1127
Method D1946 ICAL Data	1127
Method D1946 CCAL Data	1150
Raw QC Data	1156
Method D1946 Blank Data	1156
Method D1946 LCS/LCSD Data	1159
Method D1946 Run Logs	1165
Method D1946 Prep Data	1167
Air Canister Dilution	1169
Clean Canister Certification	1170
Clean Canister Certification	1170
Pre-shipment Certification	1170
LCS Data	1172
Blank Data	1176
Tune Data	1196
IS/RT Data	1201

Table of Contents

Clean Canister Data	1205
ICAL Data	1220
ICV/CCV Data	1244
Run Logs	1256
Subcontracted Data	1261
Shipping and Receiving Documents	1262
Client Chain of Custody	1263
Sample Receipt Checklist	1265

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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.

Air - GC VOA

Qualifier	Qualifier Description
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

Job Narrative
200-76392-1

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 12/21/2024 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Air - GC/MS VOA

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

Air - GC VOA

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

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.0	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.52	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	0.94	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.43	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.49	J	0.79	0.091	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.15	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.19	J	0.20	0.083	ug/m3	1		TO-15	Total/NA
Chloroform	0.51	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.3		1.1	0.24	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	3.3		0.22	0.14	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.5		0.20	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	280	E	1.4	0.14	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	2.4	J D	7.4	1.6	ug/m3	2.99		TO-15	Total/NA
Trichlorofluoromethane - DL	1.1	J D	3.4	0.84	ug/m3	2.99		TO-15	Total/NA
trans-1,2-Dichloroethene - DL	0.57	J D	2.4	0.27	ug/m3	2.99		TO-15	Total/NA
Chloroform - DL	0.63	J D	2.9	0.60	ug/m3	2.99		TO-15	Total/NA
1,1,1-Trichloroethane - DL	1.5	J D	3.3	0.72	ug/m3	2.99		TO-15	Total/NA
Carbon tetrachloride - DL	3.9	D	0.66	0.41	ug/m3	2.99		TO-15	Total/NA
Trichloroethene - DL	1.9	D	0.60	0.40	ug/m3	2.99		TO-15	Total/NA
Tetrachloroethene - DL	310	D	4.1	0.43	ug/m3	2.99		TO-15	Total/NA
Helium	0.41		0.025	0.0082	% v/v	1		D1946	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.40	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.15	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.056	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.12	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.037	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.047	J	0.050	0.021	ppb v/v	1		TO-15	Total/NA
Chloroform	0.10	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.23		0.20	0.044	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.53		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.27		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	42	E	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.49	J D	1.5	0.33	ppb v/v	2.99		TO-15	Total/NA
Trichlorofluoromethane - DL	0.20	J D	0.60	0.15	ppb v/v	2.99		TO-15	Total/NA
trans-1,2-Dichloroethene - DL	0.14	J D	0.60	0.069	ppb v/v	2.99		TO-15	Total/NA
Chloroform - DL	0.13	J D	0.60	0.12	ppb v/v	2.99		TO-15	Total/NA
1,1,1-Trichloroethane - DL	0.28	J D	0.60	0.13	ppb v/v	2.99		TO-15	Total/NA
Carbon tetrachloride - DL	0.62	D	0.10	0.066	ppb v/v	2.99		TO-15	Total/NA
Trichloroethene - DL	0.36	D	0.11	0.075	ppb v/v	2.99		TO-15	Total/NA
Tetrachloroethene - DL	46	D	0.60	0.063	ppb v/v	2.99		TO-15	Total/NA

Client Sample ID: SV122024KT002

Lab Sample ID: 200-76392-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.2	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.0	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	2.2		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.0	J	1.1	0.28	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT002 (Continued)

Lab Sample ID: 200-76392-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Ethanol	7.6	J	9.4	4.9	ug/m3	1			TO-15	Total/NA
Acetone	6.4	J	12	3.8	ug/m3	1			TO-15	Total/NA
Methylene Chloride	0.65	J	1.7	0.63	ug/m3	1			TO-15	Total/NA
n-Hexane	2.1		1.8	0.39	ug/m3	1			TO-15	Total/NA
Cyclohexane	0.68	J	0.69	0.20	ug/m3	1			TO-15	Total/NA
Carbon tetrachloride	0.34		0.22	0.14	ug/m3	1			TO-15	Total/NA
2,2,4-Trimethylpentane	1.2		0.93	0.18	ug/m3	1			TO-15	Total/NA
Benzene	2.1		0.64	0.14	ug/m3	1			TO-15	Total/NA
n-Heptane	1.7		0.82	0.23	ug/m3	1			TO-15	Total/NA
Toluene	9.0		0.75	0.23	ug/m3	1			TO-15	Total/NA
Ethylbenzene	1.0		0.87	0.30	ug/m3	1			TO-15	Total/NA
m,p-Xylene	3.6		2.2	0.41	ug/m3	1			TO-15	Total/NA
o-Xylene	1.1		0.87	0.27	ug/m3	1			TO-15	Total/NA
1,2,4-Trimethylbenzene	0.45	J	0.98	0.39	ug/m3	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.44	J	0.50	0.11	ppb v/v	1			TO-15	Total/NA
Chlorodifluoromethane	0.29	J	0.50	0.12	ppb v/v	1			TO-15	Total/NA
Chloromethane	0.57		0.50	0.15	ppb v/v	1			TO-15	Total/NA
n-Butane	0.94		0.50	0.20	ppb v/v	1			TO-15	Total/NA
Trichlorofluoromethane	0.18	J	0.20	0.050	ppb v/v	1			TO-15	Total/NA
Ethanol	4.0	J	5.0	2.6	ppb v/v	1			TO-15	Total/NA
Acetone	2.7	J	5.0	1.6	ppb v/v	1			TO-15	Total/NA
Methylene Chloride	0.19	J	0.50	0.18	ppb v/v	1			TO-15	Total/NA
n-Hexane	0.60		0.50	0.11	ppb v/v	1			TO-15	Total/NA
Cyclohexane	0.20	J	0.20	0.058	ppb v/v	1			TO-15	Total/NA
Carbon tetrachloride	0.055		0.035	0.022	ppb v/v	1			TO-15	Total/NA
2,2,4-Trimethylpentane	0.25		0.20	0.038	ppb v/v	1			TO-15	Total/NA
Benzene	0.66		0.20	0.044	ppb v/v	1			TO-15	Total/NA
n-Heptane	0.41		0.20	0.055	ppb v/v	1			TO-15	Total/NA
Toluene	2.4		0.20	0.062	ppb v/v	1			TO-15	Total/NA
Ethylbenzene	0.23		0.20	0.069	ppb v/v	1			TO-15	Total/NA
m,p-Xylene	0.82		0.50	0.095	ppb v/v	1			TO-15	Total/NA
o-Xylene	0.26		0.20	0.063	ppb v/v	1			TO-15	Total/NA
1,2,4-Trimethylbenzene	0.091	J	0.20	0.080	ppb v/v	1			TO-15	Total/NA

Client Sample ID: SV122024KT003

Lab Sample ID: 200-76392-3

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	0.90	J	1.8	0.42	ug/m3	1			TO-15	Total/NA
Chloromethane	1.1		1.0	0.31	ug/m3	1			TO-15	Total/NA
n-Butane	0.50	J	1.2	0.48	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	0.43	J	1.5	0.41	ug/m3	1			TO-15	Total/NA
Acetone	4.7	J	12	3.8	ug/m3	1			TO-15	Total/NA
n-Hexane	1.6	J	1.8	0.39	ug/m3	1			TO-15	Total/NA
cis-1,2-Dichloroethene	0.27		0.20	0.083	ug/m3	1			TO-15	Total/NA
Chloroform	0.25	J	0.98	0.20	ug/m3	1			TO-15	Total/NA
1,1,1-Trichloroethane	0.68	J	1.1	0.24	ug/m3	1			TO-15	Total/NA
Cyclohexane	0.58	J	0.69	0.20	ug/m3	1			TO-15	Total/NA
Carbon tetrachloride	0.32		0.22	0.14	ug/m3	1			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT003 (Continued)

Lab Sample ID: 200-76392-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,2,4-Trimethylpentane	1.1		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	2.7		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	1.7		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	5.3		0.20	0.13	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	0.60	J	18	0.30	ug/m3	1		TO-15	Total/NA
Toluene	9.5		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	170		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.90		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.9		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.82	J	0.87	0.27	ug/m3	1		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	0.25	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.53		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.21	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.056	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	2.0	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.44	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.069		0.050	0.021	ppb v/v	1		TO-15	Total/NA
Chloroform	0.051	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.12	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.17	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.051		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.23		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.85		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.41		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.98		0.037	0.025	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.17	J	5.0	0.082	ppb v/v	1		TO-15	Total/NA
Toluene	2.5		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	24		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.21		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.66		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.19	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.3	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.97	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.91	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	0.97	J	1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.6		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.50	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Ethanol	10		9.4	4.9	ug/m3	1		TO-15	Total/NA
Acetone	16		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	6.9	J	12	3.9	ug/m3	1		TO-15	Total/NA
n-Hexane	0.80	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.4		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	0.50	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	3.6		1.1	0.24	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT004 (Continued)

Lab Sample ID: 200-76392-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Cyclohexane	0.27	J	0.69	0.20	ug/m3	1			TO-15	Total/NA
Carbon tetrachloride	0.30		0.22	0.14	ug/m3	1			TO-15	Total/NA
2,2,4-Trimethylpentane	0.51	J	0.93	0.18	ug/m3	1			TO-15	Total/NA
Benzene	54		0.64	0.14	ug/m3	1			TO-15	Total/NA
n-Heptane	1.1		0.82	0.23	ug/m3	1			TO-15	Total/NA
Trichloroethene	3.0		0.20	0.13	ug/m3	1			TO-15	Total/NA
Toluene	9.2		0.75	0.23	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	730	E	1.4	0.14	ug/m3	1			TO-15	Total/NA
Ethylbenzene	0.61	J	0.87	0.30	ug/m3	1			TO-15	Total/NA
m,p-Xylene	1.1	J	2.2	0.41	ug/m3	1			TO-15	Total/NA
o-Xylene	0.36	J	0.87	0.27	ug/m3	1			TO-15	Total/NA
Cumene	0.28	J	0.98	0.20	ug/m3	1			TO-15	Total/NA
Trichlorofluoromethane - DL	1.5	J D	5.6	1.4	ug/m3	5			TO-15	Total/NA
1,1,1-Trichloroethane - DL	3.6	J D	5.5	1.2	ug/m3	5			TO-15	Total/NA
Benzene - DL	54	D	3.2	0.70	ug/m3	5			TO-15	Total/NA
Trichloroethene - DL	2.9	D	1.0	0.67	ug/m3	5			TO-15	Total/NA
Toluene - DL	8.0	D	3.8	1.2	ug/m3	5			TO-15	Total/NA
Tetrachloroethene - DL	700	D	6.8	0.71	ug/m3	5			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.47	J	0.50	0.11	ppb v/v	1			TO-15	Total/NA
Chlorodifluoromethane	0.27	J	0.50	0.12	ppb v/v	1			TO-15	Total/NA
Chloromethane	0.44	J	0.50	0.15	ppb v/v	1			TO-15	Total/NA
n-Butane	0.41	J	0.50	0.20	ppb v/v	1			TO-15	Total/NA
Trichlorofluoromethane	0.29		0.20	0.050	ppb v/v	1			TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.066	J	0.20	0.053	ppb v/v	1			TO-15	Total/NA
Ethanol	5.5		5.0	2.6	ppb v/v	1			TO-15	Total/NA
Acetone	6.7		5.0	1.6	ppb v/v	1			TO-15	Total/NA
Isopropyl alcohol	2.8	J	5.0	1.6	ppb v/v	1			TO-15	Total/NA
n-Hexane	0.23	J	0.50	0.11	ppb v/v	1			TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.81		0.50	0.49	ppb v/v	1			TO-15	Total/NA
Chloroform	0.10	J	0.20	0.041	ppb v/v	1			TO-15	Total/NA
1,1,1-Trichloroethane	0.67		0.20	0.044	ppb v/v	1			TO-15	Total/NA
Cyclohexane	0.079	J	0.20	0.058	ppb v/v	1			TO-15	Total/NA
Carbon tetrachloride	0.048		0.035	0.022	ppb v/v	1			TO-15	Total/NA
2,2,4-Trimethylpentane	0.11	J	0.20	0.038	ppb v/v	1			TO-15	Total/NA
Benzene	17		0.20	0.044	ppb v/v	1			TO-15	Total/NA
n-Heptane	0.28		0.20	0.055	ppb v/v	1			TO-15	Total/NA
Trichloroethene	0.56		0.037	0.025	ppb v/v	1			TO-15	Total/NA
Toluene	2.4		0.20	0.062	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	110	E	0.20	0.021	ppb v/v	1			TO-15	Total/NA
Ethylbenzene	0.14	J	0.20	0.069	ppb v/v	1			TO-15	Total/NA
m,p-Xylene	0.26	J	0.50	0.095	ppb v/v	1			TO-15	Total/NA
o-Xylene	0.082	J	0.20	0.063	ppb v/v	1			TO-15	Total/NA
Cumene	0.057	J	0.20	0.041	ppb v/v	1			TO-15	Total/NA
Trichlorofluoromethane - DL	0.27	J D	1.0	0.25	ppb v/v	5			TO-15	Total/NA
1,1,1-Trichloroethane - DL	0.66	J D	1.0	0.22	ppb v/v	5			TO-15	Total/NA
Benzene - DL	17	D	1.0	0.22	ppb v/v	5			TO-15	Total/NA
Trichloroethene - DL	0.55	D	0.19	0.13	ppb v/v	5			TO-15	Total/NA
Toluene - DL	2.1	D	1.0	0.31	ppb v/v	5			TO-15	Total/NA
Tetrachloroethene - DL	100	D	1.0	0.11	ppb v/v	5			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.3	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.91	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	3.8		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	0.84	J	1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.5		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.57	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Ethanol	17		9.4	4.9	ug/m3	1		TO-15	Total/NA
Acetone	31		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	3.9	J	12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	17		1.6	0.40	ug/m3	1		TO-15	Total/NA
n-Hexane	0.81	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	8.1		1.5	1.4	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.34	J	1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.36	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.37		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.9		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	34		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	1.2		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.3		0.20	0.13	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.90	J	2.0	0.53	ug/m3	1		TO-15	Total/NA
Toluene	8.0		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	460	E	1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.3		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	8.1		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
Cumene	3.3		0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.76	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	1.1		0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.3		0.98	0.39	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.66	J	1.1	0.33	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	2.6	J D	7.4	1.6	ug/m3	2.99		TO-15	Total/NA
Chloromethane - DL	4.0	D	3.1	0.93	ug/m3	2.99		TO-15	Total/NA
Trichlorofluoromethane - DL	1.4	J D	3.4	0.84	ug/m3	2.99		TO-15	Total/NA
Ethanol - DL	16	J D	28	15	ug/m3	2.99		TO-15	Total/NA
Acetone - DL	33	J D	36	11	ug/m3	2.99		TO-15	Total/NA
Carbon disulfide - DL	17	D	4.7	1.2	ug/m3	2.99		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	7.7	D	4.4	4.3	ug/m3	2.99		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	1.8	J D	2.8	0.53	ug/m3	2.99		TO-15	Total/NA
Benzene - DL	35	D	1.9	0.42	ug/m3	2.99		TO-15	Total/NA
n-Heptane - DL	1.2	J D	2.5	0.67	ug/m3	2.99		TO-15	Total/NA
Trichloroethene - DL	1.3	D	0.60	0.40	ug/m3	2.99		TO-15	Total/NA
Toluene - DL	7.4	D	2.3	0.70	ug/m3	2.99		TO-15	Total/NA
Tetrachloroethene - DL	460	D	4.1	0.43	ug/m3	2.99		TO-15	Total/NA
Ethylbenzene - DL	2.2	J D	2.6	0.90	ug/m3	2.99		TO-15	Total/NA
m,p-Xylene - DL	7.0	D	6.5	1.2	ug/m3	2.99		TO-15	Total/NA
o-Xylene - DL	3.0	D	2.6	0.82	ug/m3	2.99		TO-15	Total/NA
Cumene - DL	2.7	J D	2.9	0.60	ug/m3	2.99		TO-15	Total/NA
n-Propylbenzene - DL	0.69	J D	2.9	0.69	ug/m3	2.99		TO-15	Total/NA
4-Ethyltoluene - DL	0.92	J D	2.9	0.72	ug/m3	2.99		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005 (Continued)

Lab Sample ID: 200-76392-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene - DL	0.89	J D	2.9	0.69	ug/m3	2.99		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	3.3	D	2.9	1.2	ug/m3	2.99		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.46	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.26	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	1.8		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.35	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.26		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.074	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Ethanol	8.9		5.0	2.6	ppb v/v	1		TO-15	Total/NA
Acetone	13		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.6	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	5.4		0.50	0.13	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.23	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.7		0.50	0.49	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.063	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.10	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.059		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.40		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	10		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.29		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.24		0.037	0.025	ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.22	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Toluene	2.1		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	68	E	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.52		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.9		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
Cumene	0.67		0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.15	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
1,3,5-Trimethylbenzene	0.22		0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.88		0.20	0.080	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.12	J	0.20	0.061	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.52	J D	1.5	0.33	ppb v/v	2.99		TO-15	Total/NA
Chloromethane - DL	1.9	D	1.5	0.45	ppb v/v	2.99		TO-15	Total/NA
Trichlorofluoromethane - DL	0.25	J D	0.60	0.15	ppb v/v	2.99		TO-15	Total/NA
Ethanol - DL	8.7	J D	15	7.8	ppb v/v	2.99		TO-15	Total/NA
Acetone - DL	14	J D	15	4.8	ppb v/v	2.99		TO-15	Total/NA
Carbon disulfide - DL	5.6	D	1.5	0.39	ppb v/v	2.99		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	2.6	D	1.5	1.5	ppb v/v	2.99		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	0.39	J D	0.60	0.11	ppb v/v	2.99		TO-15	Total/NA
Benzene - DL	11	D	0.60	0.13	ppb v/v	2.99		TO-15	Total/NA
n-Heptane - DL	0.28	J D	0.60	0.16	ppb v/v	2.99		TO-15	Total/NA
Trichloroethene - DL	0.25	D	0.11	0.075	ppb v/v	2.99		TO-15	Total/NA
Toluene - DL	2.0	D	0.60	0.19	ppb v/v	2.99		TO-15	Total/NA
Tetrachloroethene - DL	68	D	0.60	0.063	ppb v/v	2.99		TO-15	Total/NA
Ethylbenzene - DL	0.50	J D	0.60	0.21	ppb v/v	2.99		TO-15	Total/NA
m,p-Xylene - DL	1.6	D	1.5	0.28	ppb v/v	2.99		TO-15	Total/NA
o-Xylene - DL	0.68	D	0.60	0.19	ppb v/v	2.99		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005 (Continued)

Lab Sample ID: 200-76392-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cumene - DL	0.54	J D	0.60	0.12	ppb v/v	2.99		TO-15	Total/NA
n-Propylbenzene - DL	0.14	J D	0.60	0.14	ppb v/v	2.99		TO-15	Total/NA
4-Ethyltoluene - DL	0.19	J D	0.60	0.15	ppb v/v	2.99		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	0.18	J D	0.60	0.14	ppb v/v	2.99		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	0.67	D	0.60	0.24	ppb v/v	2.99		TO-15	Total/NA

Client Sample ID: SV122024KT006

Lab Sample ID: 200-76392-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.0	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.77	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	2.1		1.2	0.48	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	0.54	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Ethanol	7.6	J	9.4	4.9	ug/m3	1		TO-15	Total/NA
Acetone	8.1	J	12	3.8	ug/m3	1		TO-15	Total/NA
n-Hexane	2.0		1.8	0.39	ug/m3	1		TO-15	Total/NA
Chloroform	1.8		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.47	J	1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.55	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.38		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.2		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	7.8		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	2.1		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	2.0		0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	12		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	170		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.3		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.5		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	1.4		0.87	0.27	ug/m3	1		TO-15	Total/NA
Cumene	1.8		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.97	J	0.98	0.39	ug/m3	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.43	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.29	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.37	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.90		0.50	0.20	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	0.070	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Ethanol	4.0	J	5.0	2.6	ppb v/v	1		TO-15	Total/NA
Acetone	3.4	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.57		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chloroform	0.36		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.086	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.16	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.061		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.25		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	2.5		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.52		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.37		0.037	0.025	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT006 (Continued)

Lab Sample ID: 200-76392-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	3.1		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	24		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.31		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.0		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.33		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Cumene	0.36		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.20	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA

Client Sample ID: SV122024KT007

Lab Sample ID: 200-76392-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.2	J	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	0.67	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	2.1		1.2	0.48	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	0.63	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Ethanol	14		9.4	4.9	ug/m3	1		TO-15	Total/NA
Acetone	15		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	6.9	J	12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.48	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.97	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	1.9		1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.3		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	2.2		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.5		1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.69		0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.37		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.96		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.7		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	2.0		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	2.2		0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	9.2		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	180		1.4	0.14	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.78	J	2.0	0.61	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.82	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.7		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.91		0.87	0.27	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.62	J	0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.45	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.33	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.33	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.89		0.50	0.20	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	0.082	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Ethanol	7.5		5.0	2.6	ppb v/v	1		TO-15	Total/NA
Acetone	6.4		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	2.8	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.15	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.28	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT007 (Continued)

Lab Sample ID: 200-76392-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Hexane	0.54		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.78		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.45		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.27		0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.20		0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.058		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.21		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.53		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.49		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.40		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Toluene	2.4		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	26		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.19	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.19	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.62		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.21		0.20	0.063	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.13	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Date Collected: 12/20/24 09:03

Matrix: Air

Date Received: 12/21/24 10:30

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	2.0	J	2.5	0.54	ug/m3			01/03/25 23:37	1
Chlorodifluoromethane	0.52	J	1.8	0.42	ug/m3			01/03/25 23:37	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/03/25 23:37	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/03/25 23:37	1
n-Butane	1.2	U	1.2	0.48	ug/m3			01/03/25 23:37	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/03/25 23:37	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/03/25 23:37	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/03/25 23:37	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/03/25 23:37	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/03/25 23:37	1
Trichlorofluoromethane	0.94	J	1.1	0.28	ug/m3			01/03/25 23:37	1
1,1,2-Trichlorotrifluoroethane	0.43	J	1.5	0.41	ug/m3			01/03/25 23:37	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/03/25 23:37	1
Ethanol	9.4	U	9.4	4.9	ug/m3			01/03/25 23:37	1
Acetone	12	U	12	3.8	ug/m3			01/03/25 23:37	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/03/25 23:37	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/03/25 23:37	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/03/25 23:37	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/03/25 23:37	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/03/25 23:37	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/03/25 23:37	1
trans-1,2-Dichloroethene	0.49	J	0.79	0.091	ug/m3			01/03/25 23:37	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/03/25 23:37	1
1,1-Dichloroethane	0.15	J	0.81	0.10	ug/m3			01/03/25 23:37	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/03/25 23:37	1
cis-1,2-Dichloroethene	0.19	J	0.20	0.083	ug/m3			01/03/25 23:37	1
Chloroform	0.51	J	0.98	0.20	ug/m3			01/03/25 23:37	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/03/25 23:37	1
1,1,1-Trichloroethane	1.3		1.1	0.24	ug/m3			01/03/25 23:37	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/03/25 23:37	1
Carbon tetrachloride	3.3		0.22	0.14	ug/m3			01/03/25 23:37	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/03/25 23:37	1
Benzene	0.64	U	0.64	0.14	ug/m3			01/03/25 23:37	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/03/25 23:37	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/03/25 23:37	1
Trichloroethene	1.5		0.20	0.13	ug/m3			01/03/25 23:37	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/03/25 23:37	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/03/25 23:37	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/03/25 23:37	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/03/25 23:37	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/03/25 23:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/03/25 23:37	1
Toluene	0.75	U	0.75	0.23	ug/m3			01/03/25 23:37	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/03/25 23:37	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/03/25 23:37	1
Tetrachloroethene	280	E	1.4	0.14	ug/m3			01/03/25 23:37	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/03/25 23:37	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/03/25 23:37	1

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Date Collected: 12/20/24 09:03

Matrix: Air

Date Received: 12/21/24 10:30

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
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/03/25 23:37	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/03/25 23:37	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/03/25 23:37	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/03/25 23:37	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/03/25 23:37	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/03/25 23:37	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/03/25 23:37	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/03/25 23:37	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/03/25 23:37	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/03/25 23:37	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/03/25 23:37	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/03/25 23:37	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/03/25 23:37	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/03/25 23:37	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/03/25 23:37	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/03/25 23:37	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/03/25 23:37	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/03/25 23:37	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/03/25 23:37	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/03/25 23:37	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/03/25 23:37	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/03/25 23:37	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/03/25 23:37	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/03/25 23:37	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/03/25 23:37	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.40	J	0.50	0.11	ppb v/v			01/03/25 23:37	1
Chlorodifluoromethane	0.15	J	0.50	0.12	ppb v/v			01/03/25 23:37	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/03/25 23:37	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/03/25 23:37	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			01/03/25 23:37	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/03/25 23:37	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/03/25 23:37	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/03/25 23:37	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/03/25 23:37	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/03/25 23:37	1
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v			01/03/25 23:37	1
1,1,2-Trichlorotrifluoroethane	0.056	J	0.20	0.053	ppb v/v			01/03/25 23:37	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/03/25 23:37	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			01/03/25 23:37	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/03/25 23:37	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/03/25 23:37	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/03/25 23:37	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/03/25 23:37	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/03/25 23:37	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/03/25 23:37	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/03/25 23:37	1
trans-1,2-Dichloroethene	0.12	J	0.20	0.023	ppb v/v			01/03/25 23:37	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Date Collected: 12/20/24 09:03

Matrix: Air

Date Received: 12/21/24 10:30

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-Hexane	0.50	U	0.50	0.11	ppb v/v			01/03/25 23:37	1
1,1-Dichloroethane	0.037	J	0.20	0.025	ppb v/v			01/03/25 23:37	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/03/25 23:37	1
cis-1,2-Dichloroethene	0.047	J	0.050	0.021	ppb v/v			01/03/25 23:37	1
Chloroform	0.10	J	0.20	0.041	ppb v/v			01/03/25 23:37	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/03/25 23:37	1
1,1,1-Trichloroethane	0.23		0.20	0.044	ppb v/v			01/03/25 23:37	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/03/25 23:37	1
Carbon tetrachloride	0.53		0.035	0.022	ppb v/v			01/03/25 23:37	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/03/25 23:37	1
Benzene	0.20	U	0.20	0.044	ppb v/v			01/03/25 23:37	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/03/25 23:37	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/03/25 23:37	1
Trichloroethene	0.27		0.037	0.025	ppb v/v			01/03/25 23:37	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/03/25 23:37	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/03/25 23:37	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/03/25 23:37	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/03/25 23:37	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/03/25 23:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/03/25 23:37	1
Toluene	0.20	U	0.20	0.062	ppb v/v			01/03/25 23:37	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/03/25 23:37	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/03/25 23:37	1
Tetrachloroethene	42	E	0.20	0.021	ppb v/v			01/03/25 23:37	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/03/25 23:37	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/03/25 23:37	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/03/25 23:37	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/03/25 23:37	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/03/25 23:37	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/03/25 23:37	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/03/25 23:37	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/03/25 23:37	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/03/25 23:37	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/03/25 23:37	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/03/25 23:37	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 23:37	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/03/25 23:37	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 23:37	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/03/25 23:37	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 23:37	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/03/25 23:37	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/03/25 23:37	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/03/25 23:37	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/03/25 23:37	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/03/25 23:37	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/03/25 23:37	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/03/25 23:37	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/03/25 23:37	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Date Collected: 12/20/24 09:03

Matrix: Air

Date Received: 12/21/24 10:30

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
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/03/25 23:37	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/03/25 23:37	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/03/25 23:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.4	J D	7.4	1.6	ug/m3			01/04/25 00:29	2.99
Chlorodifluoromethane	5.3	U	5.3	1.3	ug/m3			01/04/25 00:29	2.99
1,2-Dichlorotetrafluoroethane	4.2	U	4.2	1.0	ug/m3			01/04/25 00:29	2.99
Chloromethane	3.1	U	3.1	0.93	ug/m3			01/04/25 00:29	2.99
n-Butane	3.6	U	3.6	1.4	ug/m3			01/04/25 00:29	2.99
Vinyl chloride	0.60	U	0.60	0.16	ug/m3			01/04/25 00:29	2.99
1,3-Butadiene	1.3	U	1.3	0.26	ug/m3			01/04/25 00:29	2.99
Bromomethane	2.3	U	2.3	0.82	ug/m3			01/04/25 00:29	2.99
Chloroethane	3.9	U	3.9	1.4	ug/m3			01/04/25 00:29	2.99
Bromoethene(Vinyl Bromide)	2.6	U	2.6	0.65	ug/m3			01/04/25 00:29	2.99
Trichlorofluoromethane	1.1	J D	3.4	0.84	ug/m3			01/04/25 00:29	2.99
1,1,2-Trichlorotrifluoroethane	4.6	U	4.6	1.2	ug/m3			01/04/25 00:29	2.99
1,1-Dichloroethene	0.60	U	0.60	0.31	ug/m3			01/04/25 00:29	2.99
Ethanol	28	U	28	15	ug/m3			01/04/25 00:29	2.99
Acetone	36	U	36	11	ug/m3			01/04/25 00:29	2.99
Isopropyl alcohol	37	U	37	12	ug/m3			01/04/25 00:29	2.99
Carbon disulfide	4.7	U	4.7	1.2	ug/m3			01/04/25 00:29	2.99
3-Chloropropene	4.7	U	4.7	1.1	ug/m3			01/04/25 00:29	2.99
Methylene Chloride	5.2	U	5.2	1.9	ug/m3			01/04/25 00:29	2.99
tert-Butyl alcohol	45	U	45	11	ug/m3			01/04/25 00:29	2.99
Methyl tert-butyl ether	2.2	U	2.2	0.39	ug/m3			01/04/25 00:29	2.99
trans-1,2-Dichloroethene	0.57	J D	2.4	0.27	ug/m3			01/04/25 00:29	2.99
n-Hexane	5.3	U	5.3	1.2	ug/m3			01/04/25 00:29	2.99
1,1-Dichloroethane	2.4	U	2.4	0.30	ug/m3			01/04/25 00:29	2.99
Methyl Ethyl Ketone (2-Butanone)	4.4	U	4.4	4.3	ug/m3			01/04/25 00:29	2.99
cis-1,2-Dichloroethene	0.60	U	0.60	0.25	ug/m3			01/04/25 00:29	2.99
Chloroform	0.63	J D	2.9	0.60	ug/m3			01/04/25 00:29	2.99
Tetrahydrofuran	44	U	44	11	ug/m3			01/04/25 00:29	2.99
1,1,1-Trichloroethane	1.5	J D	3.3	0.72	ug/m3			01/04/25 00:29	2.99
Cyclohexane	2.1	U	2.1	0.60	ug/m3			01/04/25 00:29	2.99
Carbon tetrachloride	3.9	D	0.66	0.41	ug/m3			01/04/25 00:29	2.99
2,2,4-Trimethylpentane	2.8	U	2.8	0.53	ug/m3			01/04/25 00:29	2.99
Benzene	1.9	U	1.9	0.42	ug/m3			01/04/25 00:29	2.99
1,2-Dichloroethane	2.4	U	2.4	1.1	ug/m3			01/04/25 00:29	2.99
n-Heptane	2.5	U	2.5	0.67	ug/m3			01/04/25 00:29	2.99
Trichloroethene	1.9	D	0.60	0.40	ug/m3			01/04/25 00:29	2.99
Methyl methacrylate	6.1	U	6.1	1.7	ug/m3			01/04/25 00:29	2.99
1,2-Dichloropropane	2.8	U	2.8	1.3	ug/m3			01/04/25 00:29	2.99
1,4-Dioxane	54	U	54	0.88	ug/m3			01/04/25 00:29	2.99
Bromodichloromethane	4.0	U	4.0	1.0	ug/m3			01/04/25 00:29	2.99
cis-1,3-Dichloropropene	2.7	U	2.7	0.61	ug/m3			01/04/25 00:29	2.99
4-Methyl-2-pentanone (Methyl isobutyl ketone)	6.1	U	6.1	1.6	ug/m3			01/04/25 00:29	2.99

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Date Collected: 12/20/24 09:03

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	2.3	U	2.3	0.70	ug/m3			01/04/25 00:29	2.99
trans-1,3-Dichloropropene	2.7	U	2.7	0.73	ug/m3			01/04/25 00:29	2.99
1,1,2-Trichloroethane	3.3	U	3.3	1.2	ug/m3			01/04/25 00:29	2.99
Tetrachloroethene	310	D	4.1	0.43	ug/m3			01/04/25 00:29	2.99
Methyl Butyl Ketone (2-Hexanone)	6.1	U	6.1	1.8	ug/m3			01/04/25 00:29	2.99
Dibromochloromethane	5.1	U	5.1	1.6	ug/m3			01/04/25 00:29	2.99
1,2-Dibromoethane	4.6	U	4.6	0.96	ug/m3			01/04/25 00:29	2.99
Chlorobenzene	2.8	U	2.8	0.61	ug/m3			01/04/25 00:29	2.99
Ethylbenzene	2.6	U	2.6	0.90	ug/m3			01/04/25 00:29	2.99
m,p-Xylene	6.5	U	6.5	1.2	ug/m3			01/04/25 00:29	2.99
o-Xylene	2.6	U	2.6	0.82	ug/m3			01/04/25 00:29	2.99
Styrene	2.5	U	2.5	0.75	ug/m3			01/04/25 00:29	2.99
Bromoform	6.2	U	6.2	3.7	ug/m3			01/04/25 00:29	2.99
Cumene	2.9	U	2.9	0.60	ug/m3			01/04/25 00:29	2.99
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.88	ug/m3			01/04/25 00:29	2.99
n-Propylbenzene	2.9	U	2.9	0.69	ug/m3			01/04/25 00:29	2.99
4-Ethyltoluene	2.9	U	2.9	0.72	ug/m3			01/04/25 00:29	2.99
1,3,5-Trimethylbenzene	2.9	U	2.9	0.69	ug/m3			01/04/25 00:29	2.99
2-Chlorotoluene	3.1	U	3.1	0.71	ug/m3			01/04/25 00:29	2.99
tert-Butylbenzene	3.3	U	3.3	0.77	ug/m3			01/04/25 00:29	2.99
1,2,4-Trimethylbenzene	2.9	U	2.9	1.2	ug/m3			01/04/25 00:29	2.99
sec-Butylbenzene	3.3	U	3.3	0.74	ug/m3			01/04/25 00:29	2.99
4-Isopropyltoluene	3.3	U	3.3	1.0	ug/m3			01/04/25 00:29	2.99
1,3-Dichlorobenzene	3.6	U	3.6	1.3	ug/m3			01/04/25 00:29	2.99
1,4-Dichlorobenzene	3.6	U	3.6	1.6	ug/m3			01/04/25 00:29	2.99
Benzyl chloride	3.1	U	3.1	1.4	ug/m3			01/04/25 00:29	2.99
n-Butylbenzene	3.3	U	3.3	1.8	ug/m3			01/04/25 00:29	2.99
1,2-Dichlorobenzene	3.6	U	3.6	1.2	ug/m3			01/04/25 00:29	2.99
1,2,4-Trichlorobenzene	11	U	11	7.3	ug/m3			01/04/25 00:29	2.99
Hexachlorobutadiene	6.4	U	6.4	3.5	ug/m3			01/04/25 00:29	2.99
Naphthalene	7.8	U	7.8	4.7	ug/m3			01/04/25 00:29	2.99
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.49	J D	1.5	0.33	ppb v/v			01/04/25 00:29	2.99
Chlorodifluoromethane	1.5	U	1.5	0.36	ppb v/v			01/04/25 00:29	2.99
1,2-Dichlorotetrafluoroethane	0.60	U	0.60	0.14	ppb v/v			01/04/25 00:29	2.99
Chloromethane	1.5	U	1.5	0.45	ppb v/v			01/04/25 00:29	2.99
n-Butane	1.5	U	1.5	0.60	ppb v/v			01/04/25 00:29	2.99
Vinyl chloride	0.23	U	0.23	0.063	ppb v/v			01/04/25 00:29	2.99
1,3-Butadiene	0.60	U	0.60	0.12	ppb v/v			01/04/25 00:29	2.99
Bromomethane	0.60	U	0.60	0.21	ppb v/v			01/04/25 00:29	2.99
Chloroethane	1.5	U	1.5	0.54	ppb v/v			01/04/25 00:29	2.99
Bromoethene(Vinyl Bromide)	0.60	U	0.60	0.15	ppb v/v			01/04/25 00:29	2.99
Trichlorofluoromethane	0.20	J D	0.60	0.15	ppb v/v			01/04/25 00:29	2.99
1,1,2-Trichlorotrifluoroethane	0.60	U	0.60	0.16	ppb v/v			01/04/25 00:29	2.99
1,1-Dichloroethene	0.15	U	0.15	0.078	ppb v/v			01/04/25 00:29	2.99
Ethanol	15	U	15	7.8	ppb v/v			01/04/25 00:29	2.99
Acetone	15	U	15	4.8	ppb v/v			01/04/25 00:29	2.99
Isopropyl alcohol	15	U	15	4.8	ppb v/v			01/04/25 00:29	2.99

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Date Collected: 12/20/24 09:03

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.5	U	1.5	0.39	ppb v/v			01/04/25 00:29	2.99
3-Chloropropene	1.5	U	1.5	0.36	ppb v/v			01/04/25 00:29	2.99
Methylene Chloride	1.5	U	1.5	0.54	ppb v/v			01/04/25 00:29	2.99
tert-Butyl alcohol	15	U	15	3.6	ppb v/v			01/04/25 00:29	2.99
Methyl tert-butyl ether	0.60	U	0.60	0.11	ppb v/v			01/04/25 00:29	2.99
trans-1,2-Dichloroethene	0.14	J D	0.60	0.069	ppb v/v			01/04/25 00:29	2.99
n-Hexane	1.5	U	1.5	0.33	ppb v/v			01/04/25 00:29	2.99
1,1-Dichloroethane	0.60	U	0.60	0.075	ppb v/v			01/04/25 00:29	2.99
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.5	ppb v/v			01/04/25 00:29	2.99
cis-1,2-Dichloroethene	0.15	U	0.15	0.063	ppb v/v			01/04/25 00:29	2.99
Chloroform	0.13	J D	0.60	0.12	ppb v/v			01/04/25 00:29	2.99
Tetrahydrofuran	15	U	15	3.9	ppb v/v			01/04/25 00:29	2.99
1,1,1-Trichloroethane	0.28	J D	0.60	0.13	ppb v/v			01/04/25 00:29	2.99
Cyclohexane	0.60	U	0.60	0.17	ppb v/v			01/04/25 00:29	2.99
Carbon tetrachloride	0.62	D	0.10	0.066	ppb v/v			01/04/25 00:29	2.99
2,2,4-Trimethylpentane	0.60	U	0.60	0.11	ppb v/v			01/04/25 00:29	2.99
Benzene	0.60	U	0.60	0.13	ppb v/v			01/04/25 00:29	2.99
1,2-Dichloroethane	0.60	U	0.60	0.28	ppb v/v			01/04/25 00:29	2.99
n-Heptane	0.60	U	0.60	0.16	ppb v/v			01/04/25 00:29	2.99
Trichloroethene	0.36	D	0.11	0.075	ppb v/v			01/04/25 00:29	2.99
Methyl methacrylate	1.5	U	1.5	0.42	ppb v/v			01/04/25 00:29	2.99
1,2-Dichloropropane	0.60	U	0.60	0.28	ppb v/v			01/04/25 00:29	2.99
1,4-Dioxane	15	U	15	0.25	ppb v/v			01/04/25 00:29	2.99
Bromodichloromethane	0.60	U	0.60	0.15	ppb v/v			01/04/25 00:29	2.99
cis-1,3-Dichloropropene	0.60	U	0.60	0.13	ppb v/v			01/04/25 00:29	2.99
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.5	U	1.5	0.39	ppb v/v			01/04/25 00:29	2.99
Toluene	0.60	U	0.60	0.19	ppb v/v			01/04/25 00:29	2.99
trans-1,3-Dichloropropene	0.60	U	0.60	0.16	ppb v/v			01/04/25 00:29	2.99
1,1,2-Trichloroethane	0.60	U	0.60	0.22	ppb v/v			01/04/25 00:29	2.99
Tetrachloroethene	46	D	0.60	0.063	ppb v/v			01/04/25 00:29	2.99
Methyl Butyl Ketone (2-Hexanone)	1.5	U	1.5	0.45	ppb v/v			01/04/25 00:29	2.99
Dibromochloromethane	0.60	U	0.60	0.19	ppb v/v			01/04/25 00:29	2.99
1,2-Dibromoethane	0.60	U	0.60	0.13	ppb v/v			01/04/25 00:29	2.99
Chlorobenzene	0.60	U	0.60	0.13	ppb v/v			01/04/25 00:29	2.99
Ethylbenzene	0.60	U	0.60	0.21	ppb v/v			01/04/25 00:29	2.99
m,p-Xylene	1.5	U	1.5	0.28	ppb v/v			01/04/25 00:29	2.99
o-Xylene	0.60	U	0.60	0.19	ppb v/v			01/04/25 00:29	2.99
Styrene	0.60	U	0.60	0.18	ppb v/v			01/04/25 00:29	2.99
Bromoform	0.60	U	0.60	0.36	ppb v/v			01/04/25 00:29	2.99
Cumene	0.60	U	0.60	0.12	ppb v/v			01/04/25 00:29	2.99
1,1,2,2-Tetrachloroethane	0.60	U	0.60	0.13	ppb v/v			01/04/25 00:29	2.99
n-Propylbenzene	0.60	U	0.60	0.14	ppb v/v			01/04/25 00:29	2.99
4-Ethyltoluene	0.60	U	0.60	0.15	ppb v/v			01/04/25 00:29	2.99
1,3,5-Trimethylbenzene	0.60	U	0.60	0.14	ppb v/v			01/04/25 00:29	2.99
2-Chlorotoluene	0.60	U	0.60	0.14	ppb v/v			01/04/25 00:29	2.99
tert-Butylbenzene	0.60	U	0.60	0.14	ppb v/v			01/04/25 00:29	2.99
1,2,4-Trimethylbenzene	0.60	U	0.60	0.24	ppb v/v			01/04/25 00:29	2.99
sec-Butylbenzene	0.60	U	0.60	0.13	ppb v/v			01/04/25 00:29	2.99

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Date Collected: 12/20/24 09:03

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	0.60	U	0.60	0.18	ppb v/v			01/04/25 00:29	2.99
1,3-Dichlorobenzene	0.60	U	0.60	0.22	ppb v/v			01/04/25 00:29	2.99
1,4-Dichlorobenzene	0.60	U	0.60	0.27	ppb v/v			01/04/25 00:29	2.99
Benzyl chloride	0.60	U	0.60	0.26	ppb v/v			01/04/25 00:29	2.99
n-Butylbenzene	0.60	U	0.60	0.33	ppb v/v			01/04/25 00:29	2.99
1,2-Dichlorobenzene	0.60	U	0.60	0.20	ppb v/v			01/04/25 00:29	2.99
1,2,4-Trichlorobenzene	1.5	U	1.5	0.99	ppb v/v			01/04/25 00:29	2.99
Hexachlorobutadiene	0.60	U	0.60	0.33	ppb v/v			01/04/25 00:29	2.99
Naphthalene	1.5	U	1.5	0.90	ppb v/v			01/04/25 00:29	2.99

Method: ASTM D1946 - Fixed Gases (Helium)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.41		0.025	0.0082	% v/v			01/07/25 11:35	1

Client Sample ID: SV122024KT002

Lab Sample ID: 200-76392-2

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

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	2.2	J	2.5	0.54	ug/m3			01/04/25 01:21	1
Chlorodifluoromethane	1.0	J	1.8	0.42	ug/m3			01/04/25 01:21	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/04/25 01:21	1
Chloromethane	1.2		1.0	0.31	ug/m3			01/04/25 01:21	1
n-Butane	2.2		1.2	0.48	ug/m3			01/04/25 01:21	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/04/25 01:21	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/04/25 01:21	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/04/25 01:21	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/04/25 01:21	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/04/25 01:21	1
Trichlorofluoromethane	1.0	J	1.1	0.28	ug/m3			01/04/25 01:21	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			01/04/25 01:21	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/04/25 01:21	1
Ethanol	7.6	J	9.4	4.9	ug/m3			01/04/25 01:21	1
Acetone	6.4	J	12	3.8	ug/m3			01/04/25 01:21	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/04/25 01:21	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/04/25 01:21	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/04/25 01:21	1
Methylene Chloride	0.65	J	1.7	0.63	ug/m3			01/04/25 01:21	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/04/25 01:21	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/04/25 01:21	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/04/25 01:21	1
n-Hexane	2.1		1.8	0.39	ug/m3			01/04/25 01:21	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/04/25 01:21	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/04/25 01:21	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/04/25 01:21	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/04/25 01:21	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/04/25 01:21	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT002

Lab Sample ID: 200-76392-2

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

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
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/04/25 01:21	1
Cyclohexane	0.68	J	0.69	0.20	ug/m3			01/04/25 01:21	1
Carbon tetrachloride	0.34		0.22	0.14	ug/m3			01/04/25 01:21	1
2,2,4-Trimethylpentane	1.2		0.93	0.18	ug/m3			01/04/25 01:21	1
Benzene	2.1		0.64	0.14	ug/m3			01/04/25 01:21	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/04/25 01:21	1
n-Heptane	1.7		0.82	0.23	ug/m3			01/04/25 01:21	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/04/25 01:21	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/04/25 01:21	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/04/25 01:21	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/04/25 01:21	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/04/25 01:21	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/04/25 01:21	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/04/25 01:21	1
Toluene	9.0		0.75	0.23	ug/m3			01/04/25 01:21	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/04/25 01:21	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/04/25 01:21	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/04/25 01:21	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/04/25 01:21	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/04/25 01:21	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/04/25 01:21	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/04/25 01:21	1
Ethylbenzene	1.0		0.87	0.30	ug/m3			01/04/25 01:21	1
m,p-Xylene	3.6		2.2	0.41	ug/m3			01/04/25 01:21	1
o-Xylene	1.1		0.87	0.27	ug/m3			01/04/25 01:21	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/04/25 01:21	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/04/25 01:21	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/04/25 01:21	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/04/25 01:21	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/04/25 01:21	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/04/25 01:21	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/04/25 01:21	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/04/25 01:21	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/04/25 01:21	1
1,2,4-Trimethylbenzene	0.45	J	0.98	0.39	ug/m3			01/04/25 01:21	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/04/25 01:21	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/04/25 01:21	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/04/25 01:21	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/04/25 01:21	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/04/25 01:21	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/04/25 01:21	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/04/25 01:21	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/04/25 01:21	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/04/25 01:21	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/04/25 01:21	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.44	J	0.50	0.11	ppb v/v			01/04/25 01:21	1

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT002

Lab Sample ID: 200-76392-2

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

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
Chlorodifluoromethane	0.29	J	0.50	0.12	ppb v/v			01/04/25 01:21	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/04/25 01:21	1
Chloromethane	0.57		0.50	0.15	ppb v/v			01/04/25 01:21	1
n-Butane	0.94		0.50	0.20	ppb v/v			01/04/25 01:21	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/04/25 01:21	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/04/25 01:21	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/04/25 01:21	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/04/25 01:21	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/04/25 01:21	1
Trichlorofluoromethane	0.18	J	0.20	0.050	ppb v/v			01/04/25 01:21	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			01/04/25 01:21	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/04/25 01:21	1
Ethanol	4.0	J	5.0	2.6	ppb v/v			01/04/25 01:21	1
Acetone	2.7	J	5.0	1.6	ppb v/v			01/04/25 01:21	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/04/25 01:21	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/04/25 01:21	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/04/25 01:21	1
Methylene Chloride	0.19	J	0.50	0.18	ppb v/v			01/04/25 01:21	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/04/25 01:21	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/04/25 01:21	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/04/25 01:21	1
n-Hexane	0.60		0.50	0.11	ppb v/v			01/04/25 01:21	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/04/25 01:21	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/04/25 01:21	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/04/25 01:21	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/04/25 01:21	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/04/25 01:21	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/04/25 01:21	1
Cyclohexane	0.20	J	0.20	0.058	ppb v/v			01/04/25 01:21	1
Carbon tetrachloride	0.055		0.035	0.022	ppb v/v			01/04/25 01:21	1
2,2,4-Trimethylpentane	0.25		0.20	0.038	ppb v/v			01/04/25 01:21	1
Benzene	0.66		0.20	0.044	ppb v/v			01/04/25 01:21	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/04/25 01:21	1
n-Heptane	0.41		0.20	0.055	ppb v/v			01/04/25 01:21	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/04/25 01:21	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/04/25 01:21	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/04/25 01:21	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/04/25 01:21	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/04/25 01:21	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/04/25 01:21	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/04/25 01:21	1
Toluene	2.4		0.20	0.062	ppb v/v			01/04/25 01:21	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/04/25 01:21	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/04/25 01:21	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/04/25 01:21	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/04/25 01:21	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/04/25 01:21	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/04/25 01:21	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT002

Lab Sample ID: 200-76392-2

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

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	0.20	U	0.20	0.044	ppb v/v			01/04/25 01:21	1
Ethylbenzene	0.23		0.20	0.069	ppb v/v			01/04/25 01:21	1
m,p-Xylene	0.82		0.50	0.095	ppb v/v			01/04/25 01:21	1
o-Xylene	0.26		0.20	0.063	ppb v/v			01/04/25 01:21	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/04/25 01:21	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/04/25 01:21	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/04/25 01:21	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/04/25 01:21	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 01:21	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/04/25 01:21	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 01:21	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/04/25 01:21	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 01:21	1
1,2,4-Trimethylbenzene	0.091	J	0.20	0.080	ppb v/v			01/04/25 01:21	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/04/25 01:21	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/04/25 01:21	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/04/25 01:21	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/04/25 01:21	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/04/25 01:21	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/04/25 01:21	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/04/25 01:21	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/04/25 01:21	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/04/25 01:21	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/04/25 01:21	1

Client Sample ID: SV122024KT003

Lab Sample ID: 200-76392-3

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

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			01/04/25 02:12	1
Chlorodifluoromethane	0.90	J	1.8	0.42	ug/m3			01/04/25 02:12	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/04/25 02:12	1
Chloromethane	1.1		1.0	0.31	ug/m3			01/04/25 02:12	1
n-Butane	0.50	J	1.2	0.48	ug/m3			01/04/25 02:12	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/04/25 02:12	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/04/25 02:12	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/04/25 02:12	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/04/25 02:12	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/04/25 02:12	1
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3			01/04/25 02:12	1
1,1,2-Trichlorotrifluoroethane	0.43	J	1.5	0.41	ug/m3			01/04/25 02:12	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/04/25 02:12	1
Ethanol	9.4	U	9.4	4.9	ug/m3			01/04/25 02:12	1
Acetone	4.7	J	12	3.8	ug/m3			01/04/25 02:12	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/04/25 02:12	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/04/25 02:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT003

Lab Sample ID: 200-76392-3

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

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
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/04/25 02:12	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/04/25 02:12	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/04/25 02:12	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/04/25 02:12	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/04/25 02:12	1
n-Hexane	1.6	J	1.8	0.39	ug/m3			01/04/25 02:12	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/04/25 02:12	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/04/25 02:12	1
cis-1,2-Dichloroethene	0.27		0.20	0.083	ug/m3			01/04/25 02:12	1
Chloroform	0.25	J	0.98	0.20	ug/m3			01/04/25 02:12	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/04/25 02:12	1
1,1,1-Trichloroethane	0.68	J	1.1	0.24	ug/m3			01/04/25 02:12	1
Cyclohexane	0.58	J	0.69	0.20	ug/m3			01/04/25 02:12	1
Carbon tetrachloride	0.32		0.22	0.14	ug/m3			01/04/25 02:12	1
2,2,4-Trimethylpentane	1.1		0.93	0.18	ug/m3			01/04/25 02:12	1
Benzene	2.7		0.64	0.14	ug/m3			01/04/25 02:12	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/04/25 02:12	1
n-Heptane	1.7		0.82	0.23	ug/m3			01/04/25 02:12	1
Trichloroethene	5.3		0.20	0.13	ug/m3			01/04/25 02:12	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/04/25 02:12	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/04/25 02:12	1
1,4-Dioxane	0.60	J	18	0.30	ug/m3			01/04/25 02:12	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/04/25 02:12	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/04/25 02:12	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/04/25 02:12	1
Toluene	9.5		0.75	0.23	ug/m3			01/04/25 02:12	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/04/25 02:12	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/04/25 02:12	1
Tetrachloroethene	170		1.4	0.14	ug/m3			01/04/25 02:12	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/04/25 02:12	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/04/25 02:12	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/04/25 02:12	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/04/25 02:12	1
Ethylbenzene	0.90		0.87	0.30	ug/m3			01/04/25 02:12	1
m,p-Xylene	2.9		2.2	0.41	ug/m3			01/04/25 02:12	1
o-Xylene	0.82	J	0.87	0.27	ug/m3			01/04/25 02:12	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/04/25 02:12	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/04/25 02:12	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/04/25 02:12	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/04/25 02:12	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/04/25 02:12	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/04/25 02:12	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/04/25 02:12	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/04/25 02:12	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/04/25 02:12	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/04/25 02:12	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/04/25 02:12	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/04/25 02:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT003

Lab Sample ID: 200-76392-3

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

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
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/04/25 02:12	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/04/25 02:12	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/04/25 02:12	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/04/25 02:12	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/04/25 02:12	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/04/25 02:12	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/04/25 02:12	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/04/25 02:12	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.48	J	0.50	0.11	ppb v/v			01/04/25 02:12	1
Chlorodifluoromethane	0.25	J	0.50	0.12	ppb v/v			01/04/25 02:12	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/04/25 02:12	1
Chloromethane	0.53		0.50	0.15	ppb v/v			01/04/25 02:12	1
n-Butane	0.21	J	0.50	0.20	ppb v/v			01/04/25 02:12	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/04/25 02:12	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/04/25 02:12	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/04/25 02:12	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/04/25 02:12	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/04/25 02:12	1
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v			01/04/25 02:12	1
1,1,2-Trichlorotrifluoroethane	0.056	J	0.20	0.053	ppb v/v			01/04/25 02:12	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/04/25 02:12	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			01/04/25 02:12	1
Acetone	2.0	J	5.0	1.6	ppb v/v			01/04/25 02:12	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/04/25 02:12	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/04/25 02:12	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/04/25 02:12	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/04/25 02:12	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/04/25 02:12	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/04/25 02:12	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/04/25 02:12	1
n-Hexane	0.44	J	0.50	0.11	ppb v/v			01/04/25 02:12	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/04/25 02:12	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/04/25 02:12	1
cis-1,2-Dichloroethene	0.069		0.050	0.021	ppb v/v			01/04/25 02:12	1
Chloroform	0.051	J	0.20	0.041	ppb v/v			01/04/25 02:12	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/04/25 02:12	1
1,1,1-Trichloroethane	0.12	J	0.20	0.044	ppb v/v			01/04/25 02:12	1
Cyclohexane	0.17	J	0.20	0.058	ppb v/v			01/04/25 02:12	1
Carbon tetrachloride	0.051		0.035	0.022	ppb v/v			01/04/25 02:12	1
2,2,4-Trimethylpentane	0.23		0.20	0.038	ppb v/v			01/04/25 02:12	1
Benzene	0.85		0.20	0.044	ppb v/v			01/04/25 02:12	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/04/25 02:12	1
n-Heptane	0.41		0.20	0.055	ppb v/v			01/04/25 02:12	1
Trichloroethene	0.98		0.037	0.025	ppb v/v			01/04/25 02:12	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/04/25 02:12	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/04/25 02:12	1
1,4-Dioxane	0.17	J	5.0	0.082	ppb v/v			01/04/25 02:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT003

Lab Sample ID: 200-76392-3

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

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
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/04/25 02:12	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/04/25 02:12	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/04/25 02:12	1
Toluene	2.5		0.20	0.062	ppb v/v			01/04/25 02:12	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/04/25 02:12	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/04/25 02:12	1
Tetrachloroethene	24		0.20	0.021	ppb v/v			01/04/25 02:12	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/04/25 02:12	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/04/25 02:12	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/04/25 02:12	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/04/25 02:12	1
Ethylbenzene	0.21		0.20	0.069	ppb v/v			01/04/25 02:12	1
m,p-Xylene	0.66		0.50	0.095	ppb v/v			01/04/25 02:12	1
o-Xylene	0.19	J	0.20	0.063	ppb v/v			01/04/25 02:12	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/04/25 02:12	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/04/25 02:12	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/04/25 02:12	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/04/25 02:12	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 02:12	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/04/25 02:12	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 02:12	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/04/25 02:12	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 02:12	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/04/25 02:12	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/04/25 02:12	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/04/25 02:12	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/04/25 02:12	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/04/25 02:12	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/04/25 02:12	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/04/25 02:12	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/04/25 02:12	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/04/25 02:12	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/04/25 02:12	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/04/25 02:12	1

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

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	2.3	J	2.5	0.54	ug/m3			01/04/25 17:30	1
Chlorodifluoromethane	0.97	J	1.8	0.42	ug/m3			01/04/25 17:30	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/04/25 17:30	1
Chloromethane	0.91	J	1.0	0.31	ug/m3			01/04/25 17:30	1
n-Butane	0.97	J	1.2	0.48	ug/m3			01/04/25 17:30	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/04/25 17:30	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

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
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/04/25 17:30	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/04/25 17:30	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/04/25 17:30	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/04/25 17:30	1
Trichlorofluoromethane	1.6		1.1	0.28	ug/m3			01/04/25 17:30	1
1,1,2-Trichlorotrifluoroethane	0.50	J	1.5	0.41	ug/m3			01/04/25 17:30	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/04/25 17:30	1
Ethanol	10		9.4	4.9	ug/m3			01/04/25 17:30	1
Acetone	16		12	3.8	ug/m3			01/04/25 17:30	1
Isopropyl alcohol	6.9	J	12	3.9	ug/m3			01/04/25 17:30	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/04/25 17:30	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/04/25 17:30	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/04/25 17:30	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/04/25 17:30	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/04/25 17:30	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/04/25 17:30	1
n-Hexane	0.80	J	1.8	0.39	ug/m3			01/04/25 17:30	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/04/25 17:30	1
Methyl Ethyl Ketone (2-Butanone)	2.4		1.5	1.4	ug/m3			01/04/25 17:30	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/04/25 17:30	1
Chloroform	0.50	J	0.98	0.20	ug/m3			01/04/25 17:30	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/04/25 17:30	1
1,1,1-Trichloroethane	3.6		1.1	0.24	ug/m3			01/04/25 17:30	1
Cyclohexane	0.27	J	0.69	0.20	ug/m3			01/04/25 17:30	1
Carbon tetrachloride	0.30		0.22	0.14	ug/m3			01/04/25 17:30	1
2,2,4-Trimethylpentane	0.51	J	0.93	0.18	ug/m3			01/04/25 17:30	1
Benzene	54		0.64	0.14	ug/m3			01/04/25 17:30	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/04/25 17:30	1
n-Heptane	1.1		0.82	0.23	ug/m3			01/04/25 17:30	1
Trichloroethene	3.0		0.20	0.13	ug/m3			01/04/25 17:30	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/04/25 17:30	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/04/25 17:30	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/04/25 17:30	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/04/25 17:30	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/04/25 17:30	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/04/25 17:30	1
Toluene	9.2		0.75	0.23	ug/m3			01/04/25 17:30	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/04/25 17:30	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/04/25 17:30	1
Tetrachloroethene	730	E	1.4	0.14	ug/m3			01/04/25 17:30	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/04/25 17:30	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/04/25 17:30	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/04/25 17:30	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/04/25 17:30	1
Ethylbenzene	0.61	J	0.87	0.30	ug/m3			01/04/25 17:30	1
m,p-Xylene	1.1	J	2.2	0.41	ug/m3			01/04/25 17:30	1
o-Xylene	0.36	J	0.87	0.27	ug/m3			01/04/25 17:30	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/04/25 17:30	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

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
Bromoform	2.1	U	2.1	1.2	ug/m3			01/04/25 17:30	1
Cumene	0.28	J	0.98	0.20	ug/m3			01/04/25 17:30	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/04/25 17:30	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/04/25 17:30	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/04/25 17:30	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/04/25 17:30	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/04/25 17:30	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/04/25 17:30	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/04/25 17:30	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/04/25 17:30	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/04/25 17:30	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/04/25 17:30	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/04/25 17:30	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/04/25 17:30	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/04/25 17:30	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/04/25 17:30	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/04/25 17:30	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/04/25 17:30	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/04/25 17:30	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.47	J	0.50	0.11	ppb v/v			01/04/25 17:30	1
Chlorodifluoromethane	0.27	J	0.50	0.12	ppb v/v			01/04/25 17:30	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/04/25 17:30	1
Chloromethane	0.44	J	0.50	0.15	ppb v/v			01/04/25 17:30	1
n-Butane	0.41	J	0.50	0.20	ppb v/v			01/04/25 17:30	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/04/25 17:30	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/04/25 17:30	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/04/25 17:30	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/04/25 17:30	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/04/25 17:30	1
Trichlorofluoromethane	0.29		0.20	0.050	ppb v/v			01/04/25 17:30	1
1,1,2-Trichlorotrifluoroethane	0.066	J	0.20	0.053	ppb v/v			01/04/25 17:30	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/04/25 17:30	1
Ethanol	5.5		5.0	2.6	ppb v/v			01/04/25 17:30	1
Acetone	6.7		5.0	1.6	ppb v/v			01/04/25 17:30	1
Isopropyl alcohol	2.8	J	5.0	1.6	ppb v/v			01/04/25 17:30	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/04/25 17:30	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/04/25 17:30	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/04/25 17:30	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/04/25 17:30	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/04/25 17:30	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/04/25 17:30	1
n-Hexane	0.23	J	0.50	0.11	ppb v/v			01/04/25 17:30	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/04/25 17:30	1
Methyl Ethyl Ketone (2-Butanone)	0.81		0.50	0.49	ppb v/v			01/04/25 17:30	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/04/25 17:30	1
Chloroform	0.10	J	0.20	0.041	ppb v/v			01/04/25 17:30	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/04/25 17:30	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

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
1,1,1-Trichloroethane	0.67		0.20	0.044	ppb v/v			01/04/25 17:30	1
Cyclohexane	0.079	J	0.20	0.058	ppb v/v			01/04/25 17:30	1
Carbon tetrachloride	0.048		0.035	0.022	ppb v/v			01/04/25 17:30	1
2,2,4-Trimethylpentane	0.11	J	0.20	0.038	ppb v/v			01/04/25 17:30	1
Benzene	17		0.20	0.044	ppb v/v			01/04/25 17:30	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/04/25 17:30	1
n-Heptane	0.28		0.20	0.055	ppb v/v			01/04/25 17:30	1
Trichloroethene	0.56		0.037	0.025	ppb v/v			01/04/25 17:30	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/04/25 17:30	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/04/25 17:30	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/04/25 17:30	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/04/25 17:30	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/04/25 17:30	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/04/25 17:30	1
Toluene	2.4		0.20	0.062	ppb v/v			01/04/25 17:30	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/04/25 17:30	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/04/25 17:30	1
Tetrachloroethene	110	E	0.20	0.021	ppb v/v			01/04/25 17:30	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/04/25 17:30	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/04/25 17:30	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/04/25 17:30	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/04/25 17:30	1
Ethylbenzene	0.14	J	0.20	0.069	ppb v/v			01/04/25 17:30	1
m,p-Xylene	0.26	J	0.50	0.095	ppb v/v			01/04/25 17:30	1
o-Xylene	0.082	J	0.20	0.063	ppb v/v			01/04/25 17:30	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/04/25 17:30	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/04/25 17:30	1
Cumene	0.057	J	0.20	0.041	ppb v/v			01/04/25 17:30	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/04/25 17:30	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 17:30	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/04/25 17:30	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 17:30	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/04/25 17:30	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 17:30	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/04/25 17:30	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/04/25 17:30	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/04/25 17:30	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/04/25 17:30	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/04/25 17:30	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/04/25 17:30	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/04/25 17:30	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/04/25 17:30	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/04/25 17:30	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/04/25 17:30	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/04/25 17:30	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	12	U	12	2.7	ug/m3			01/04/25 18:21	5
Chlorodifluoromethane	8.8	U	8.8	2.1	ug/m3			01/04/25 18:21	5
1,2-Dichlorotetrafluoroethane	7.0	U	7.0	1.7	ug/m3			01/04/25 18:21	5
Chloromethane	5.2	U	5.2	1.5	ug/m3			01/04/25 18:21	5
n-Butane	5.9	U	5.9	2.4	ug/m3			01/04/25 18:21	5
Vinyl chloride	1.0	U	1.0	0.27	ug/m3			01/04/25 18:21	5
1,3-Butadiene	2.2	U	2.2	0.43	ug/m3			01/04/25 18:21	5
Bromomethane	3.9	U	3.9	1.4	ug/m3			01/04/25 18:21	5
Chloroethane	6.6	U	6.6	2.4	ug/m3			01/04/25 18:21	5
Bromoethene(Vinyl Bromide)	4.4	U	4.4	1.1	ug/m3			01/04/25 18:21	5
Trichlorofluoromethane	1.5	J D	5.6	1.4	ug/m3			01/04/25 18:21	5
1,1,2-Trichlorotrifluoroethane	7.7	U	7.7	2.0	ug/m3			01/04/25 18:21	5
1,1-Dichloroethene	1.0	U	1.0	0.52	ug/m3			01/04/25 18:21	5
Ethanol	47	U	47	24	ug/m3			01/04/25 18:21	5
Acetone	59	U	59	19	ug/m3			01/04/25 18:21	5
Isopropyl alcohol	61	U	61	20	ug/m3			01/04/25 18:21	5
Carbon disulfide	7.8	U	7.8	2.0	ug/m3			01/04/25 18:21	5
3-Chloropropene	7.8	U	7.8	1.9	ug/m3			01/04/25 18:21	5
Methylene Chloride	8.7	U	8.7	3.1	ug/m3			01/04/25 18:21	5
tert-Butyl alcohol	76	U	76	18	ug/m3			01/04/25 18:21	5
Methyl tert-butyl ether	3.6	U	3.6	0.65	ug/m3			01/04/25 18:21	5
trans-1,2-Dichloroethene	4.0	U	4.0	0.46	ug/m3			01/04/25 18:21	5
n-Hexane	8.8	U	8.8	1.9	ug/m3			01/04/25 18:21	5
1,1-Dichloroethane	4.0	U	4.0	0.51	ug/m3			01/04/25 18:21	5
Methyl Ethyl Ketone (2-Butanone)	7.4	U	7.4	7.2	ug/m3			01/04/25 18:21	5
cis-1,2-Dichloroethene	1.0	U	1.0	0.42	ug/m3			01/04/25 18:21	5
Chloroform	4.9	U	4.9	1.0	ug/m3			01/04/25 18:21	5
Tetrahydrofuran	74	U	74	19	ug/m3			01/04/25 18:21	5
1,1,1-Trichloroethane	3.6	J D	5.5	1.2	ug/m3			01/04/25 18:21	5
Cyclohexane	3.4	U	3.4	1.0	ug/m3			01/04/25 18:21	5
Carbon tetrachloride	1.1	U	1.1	0.69	ug/m3			01/04/25 18:21	5
2,2,4-Trimethylpentane	4.7	U	4.7	0.89	ug/m3			01/04/25 18:21	5
Benzene	54	D	3.2	0.70	ug/m3			01/04/25 18:21	5
1,2-Dichloroethane	4.0	U	4.0	1.9	ug/m3			01/04/25 18:21	5
n-Heptane	4.1	U	4.1	1.1	ug/m3			01/04/25 18:21	5
Trichloroethene	2.9	D	1.0	0.67	ug/m3			01/04/25 18:21	5
Methyl methacrylate	10	U	10	2.9	ug/m3			01/04/25 18:21	5
1,2-Dichloropropane	4.6	U	4.6	2.2	ug/m3			01/04/25 18:21	5
1,4-Dioxane	90	U	90	1.5	ug/m3			01/04/25 18:21	5
Bromodichloromethane	6.7	U	6.7	1.7	ug/m3			01/04/25 18:21	5
cis-1,3-Dichloropropene	4.5	U	4.5	1.0	ug/m3			01/04/25 18:21	5
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	U	10	2.7	ug/m3			01/04/25 18:21	5
Toluene	8.0	D	3.8	1.2	ug/m3			01/04/25 18:21	5
trans-1,3-Dichloropropene	4.5	U	4.5	1.2	ug/m3			01/04/25 18:21	5
1,1,2-Trichloroethane	5.5	U	5.5	2.0	ug/m3			01/04/25 18:21	5
Tetrachloroethene	700	D	6.8	0.71	ug/m3			01/04/25 18:21	5
Methyl Butyl Ketone (2-Hexanone)	10	U	10	3.1	ug/m3			01/04/25 18:21	5
Dibromochloromethane	8.5	U	8.5	2.7	ug/m3			01/04/25 18:21	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	7.7	U	7.7	1.6	ug/m3			01/04/25 18:21	5
Chlorobenzene	4.6	U	4.6	1.0	ug/m3			01/04/25 18:21	5
Ethylbenzene	4.3	U	4.3	1.5	ug/m3			01/04/25 18:21	5
m,p-Xylene	11	U	11	2.1	ug/m3			01/04/25 18:21	5
o-Xylene	4.3	U	4.3	1.4	ug/m3			01/04/25 18:21	5
Styrene	4.3	U	4.3	1.3	ug/m3			01/04/25 18:21	5
Bromoform	10	U	10	6.2	ug/m3			01/04/25 18:21	5
Cumene	4.9	U	4.9	1.0	ug/m3			01/04/25 18:21	5
1,1,2,2-Tetrachloroethane	6.9	U	6.9	1.5	ug/m3			01/04/25 18:21	5
n-Propylbenzene	4.9	U	4.9	1.2	ug/m3			01/04/25 18:21	5
4-Ethyltoluene	4.9	U	4.9	1.2	ug/m3			01/04/25 18:21	5
1,3,5-Trimethylbenzene	4.9	U	4.9	1.2	ug/m3			01/04/25 18:21	5
2-Chlorotoluene	5.2	U	5.2	1.2	ug/m3			01/04/25 18:21	5
tert-Butylbenzene	5.5	U	5.5	1.3	ug/m3			01/04/25 18:21	5
1,2,4-Trimethylbenzene	4.9	U	4.9	2.0	ug/m3			01/04/25 18:21	5
sec-Butylbenzene	5.5	U	5.5	1.2	ug/m3			01/04/25 18:21	5
4-Isopropyltoluene	5.5	U	5.5	1.7	ug/m3			01/04/25 18:21	5
1,3-Dichlorobenzene	6.0	U	6.0	2.2	ug/m3			01/04/25 18:21	5
1,4-Dichlorobenzene	6.0	U	6.0	2.7	ug/m3			01/04/25 18:21	5
Benzyl chloride	5.2	U	5.2	2.3	ug/m3			01/04/25 18:21	5
n-Butylbenzene	5.5	U	5.5	3.0	ug/m3			01/04/25 18:21	5
1,2-Dichlorobenzene	6.0	U	6.0	2.0	ug/m3			01/04/25 18:21	5
1,2,4-Trichlorobenzene	19	U	19	12	ug/m3			01/04/25 18:21	5
Hexachlorobutadiene	11	U	11	5.9	ug/m3			01/04/25 18:21	5
Naphthalene	13	U	13	7.9	ug/m3			01/04/25 18:21	5
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.55	ppb v/v			01/04/25 18:21	5
Chlorodifluoromethane	2.5	U	2.5	0.60	ppb v/v			01/04/25 18:21	5
1,2-Dichlorotetrafluoroethane	1.0	U	1.0	0.24	ppb v/v			01/04/25 18:21	5
Chloromethane	2.5	U	2.5	0.75	ppb v/v			01/04/25 18:21	5
n-Butane	2.5	U	2.5	1.0	ppb v/v			01/04/25 18:21	5
Vinyl chloride	0.39	U	0.39	0.11	ppb v/v			01/04/25 18:21	5
1,3-Butadiene	1.0	U	1.0	0.20	ppb v/v			01/04/25 18:21	5
Bromomethane	1.0	U	1.0	0.36	ppb v/v			01/04/25 18:21	5
Chloroethane	2.5	U	2.5	0.90	ppb v/v			01/04/25 18:21	5
Bromoethene(Vinyl Bromide)	1.0	U	1.0	0.25	ppb v/v			01/04/25 18:21	5
Trichlorofluoromethane	0.27	J D	1.0	0.25	ppb v/v			01/04/25 18:21	5
1,1,2-Trichlorotrifluoroethane	1.0	U	1.0	0.27	ppb v/v			01/04/25 18:21	5
1,1-Dichloroethene	0.25	U	0.25	0.13	ppb v/v			01/04/25 18:21	5
Ethanol	25	U	25	13	ppb v/v			01/04/25 18:21	5
Acetone	25	U	25	8.0	ppb v/v			01/04/25 18:21	5
Isopropyl alcohol	25	U	25	8.0	ppb v/v			01/04/25 18:21	5
Carbon disulfide	2.5	U	2.5	0.65	ppb v/v			01/04/25 18:21	5
3-Chloropropene	2.5	U	2.5	0.60	ppb v/v			01/04/25 18:21	5
Methylene Chloride	2.5	U	2.5	0.90	ppb v/v			01/04/25 18:21	5
tert-Butyl alcohol	25	U	25	6.0	ppb v/v			01/04/25 18:21	5
Methyl tert-butyl ether	1.0	U	1.0	0.18	ppb v/v			01/04/25 18:21	5
trans-1,2-Dichloroethene	1.0	U	1.0	0.12	ppb v/v			01/04/25 18:21	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	2.5	U	2.5	0.55	ppb v/v			01/04/25 18:21	5
1,1-Dichloroethane	1.0	U	1.0	0.13	ppb v/v			01/04/25 18:21	5
Methyl Ethyl Ketone (2-Butanone)	2.5	U	2.5	2.5	ppb v/v			01/04/25 18:21	5
cis-1,2-Dichloroethene	0.25	U	0.25	0.11	ppb v/v			01/04/25 18:21	5
Chloroform	1.0	U	1.0	0.21	ppb v/v			01/04/25 18:21	5
Tetrahydrofuran	25	U	25	6.5	ppb v/v			01/04/25 18:21	5
1,1,1-Trichloroethane	0.66	J D	1.0	0.22	ppb v/v			01/04/25 18:21	5
Cyclohexane	1.0	U	1.0	0.29	ppb v/v			01/04/25 18:21	5
Carbon tetrachloride	0.17	U	0.17	0.11	ppb v/v			01/04/25 18:21	5
2,2,4-Trimethylpentane	1.0	U	1.0	0.19	ppb v/v			01/04/25 18:21	5
Benzene	17	D	1.0	0.22	ppb v/v			01/04/25 18:21	5
1,2-Dichloroethane	1.0	U	1.0	0.47	ppb v/v			01/04/25 18:21	5
n-Heptane	1.0	U	1.0	0.28	ppb v/v			01/04/25 18:21	5
Trichloroethene	0.55	D	0.19	0.13	ppb v/v			01/04/25 18:21	5
Methyl methacrylate	2.5	U	2.5	0.70	ppb v/v			01/04/25 18:21	5
1,2-Dichloropropane	1.0	U	1.0	0.47	ppb v/v			01/04/25 18:21	5
1,4-Dioxane	25	U	25	0.41	ppb v/v			01/04/25 18:21	5
Bromodichloromethane	1.0	U	1.0	0.25	ppb v/v			01/04/25 18:21	5
cis-1,3-Dichloropropene	1.0	U	1.0	0.23	ppb v/v			01/04/25 18:21	5
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.5	U	2.5	0.65	ppb v/v			01/04/25 18:21	5
Toluene	2.1	D	1.0	0.31	ppb v/v			01/04/25 18:21	5
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ppb v/v			01/04/25 18:21	5
1,1,2-Trichloroethane	1.0	U	1.0	0.37	ppb v/v			01/04/25 18:21	5
Tetrachloroethene	100	D	1.0	0.11	ppb v/v			01/04/25 18:21	5
Methyl Butyl Ketone (2-Hexanone)	2.5	U	2.5	0.75	ppb v/v			01/04/25 18:21	5
Dibromochloromethane	1.0	U	1.0	0.32	ppb v/v			01/04/25 18:21	5
1,2-Dibromoethane	1.0	U	1.0	0.21	ppb v/v			01/04/25 18:21	5
Chlorobenzene	1.0	U	1.0	0.22	ppb v/v			01/04/25 18:21	5
Ethylbenzene	1.0	U	1.0	0.35	ppb v/v			01/04/25 18:21	5
m,p-Xylene	2.5	U	2.5	0.48	ppb v/v			01/04/25 18:21	5
o-Xylene	1.0	U	1.0	0.32	ppb v/v			01/04/25 18:21	5
Styrene	1.0	U	1.0	0.30	ppb v/v			01/04/25 18:21	5
Bromoform	1.0	U	1.0	0.60	ppb v/v			01/04/25 18:21	5
Cumene	1.0	U	1.0	0.21	ppb v/v			01/04/25 18:21	5
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ppb v/v			01/04/25 18:21	5
n-Propylbenzene	1.0	U	1.0	0.24	ppb v/v			01/04/25 18:21	5
4-Ethyltoluene	1.0	U	1.0	0.25	ppb v/v			01/04/25 18:21	5
1,3,5-Trimethylbenzene	1.0	U	1.0	0.24	ppb v/v			01/04/25 18:21	5
2-Chlorotoluene	1.0	U	1.0	0.23	ppb v/v			01/04/25 18:21	5
tert-Butylbenzene	1.0	U	1.0	0.24	ppb v/v			01/04/25 18:21	5
1,2,4-Trimethylbenzene	1.0	U	1.0	0.40	ppb v/v			01/04/25 18:21	5
sec-Butylbenzene	1.0	U	1.0	0.23	ppb v/v			01/04/25 18:21	5
4-Isopropyltoluene	1.0	U	1.0	0.31	ppb v/v			01/04/25 18:21	5
1,3-Dichlorobenzene	1.0	U	1.0	0.37	ppb v/v			01/04/25 18:21	5
1,4-Dichlorobenzene	1.0	U	1.0	0.45	ppb v/v			01/04/25 18:21	5
Benzyl chloride	1.0	U	1.0	0.44	ppb v/v			01/04/25 18:21	5
n-Butylbenzene	1.0	U	1.0	0.55	ppb v/v			01/04/25 18:21	5
1,2-Dichlorobenzene	1.0	U	1.0	0.33	ppb v/v			01/04/25 18:21	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.5	U	2.5	1.7	ppb v/v			01/04/25 18:21	5
Hexachlorobutadiene	1.0	U	1.0	0.55	ppb v/v			01/04/25 18:21	5
Naphthalene	2.5	U	2.5	1.5	ppb v/v			01/04/25 18:21	5

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Date Collected: 12/20/24 08:54

Matrix: Air

Date Received: 12/21/24 10:30

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	2.3	J	2.5	0.54	ug/m3			01/04/25 04:45	1
Chlorodifluoromethane	0.91	J	1.8	0.42	ug/m3			01/04/25 04:45	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/04/25 04:45	1
Chloromethane	3.8		1.0	0.31	ug/m3			01/04/25 04:45	1
n-Butane	0.84	J	1.2	0.48	ug/m3			01/04/25 04:45	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/04/25 04:45	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/04/25 04:45	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/04/25 04:45	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/04/25 04:45	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/04/25 04:45	1
Trichlorofluoromethane	1.5		1.1	0.28	ug/m3			01/04/25 04:45	1
1,1,2-Trichlorotrifluoroethane	0.57	J	1.5	0.41	ug/m3			01/04/25 04:45	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/04/25 04:45	1
Ethanol	17		9.4	4.9	ug/m3			01/04/25 04:45	1
Acetone	31		12	3.8	ug/m3			01/04/25 04:45	1
Isopropyl alcohol	3.9	J	12	3.9	ug/m3			01/04/25 04:45	1
Carbon disulfide	17		1.6	0.40	ug/m3			01/04/25 04:45	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/04/25 04:45	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/04/25 04:45	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/04/25 04:45	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/04/25 04:45	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/04/25 04:45	1
n-Hexane	0.81	J	1.8	0.39	ug/m3			01/04/25 04:45	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/04/25 04:45	1
Methyl Ethyl Ketone (2-Butanone)	8.1		1.5	1.4	ug/m3			01/04/25 04:45	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/04/25 04:45	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/04/25 04:45	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/04/25 04:45	1
1,1,1-Trichloroethane	0.34	J	1.1	0.24	ug/m3			01/04/25 04:45	1
Cyclohexane	0.36	J	0.69	0.20	ug/m3			01/04/25 04:45	1
Carbon tetrachloride	0.37		0.22	0.14	ug/m3			01/04/25 04:45	1
2,2,4-Trimethylpentane	1.9		0.93	0.18	ug/m3			01/04/25 04:45	1
Benzene	34		0.64	0.14	ug/m3			01/04/25 04:45	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/04/25 04:45	1
n-Heptane	1.2		0.82	0.23	ug/m3			01/04/25 04:45	1
Trichloroethene	1.3		0.20	0.13	ug/m3			01/04/25 04:45	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/04/25 04:45	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/04/25 04:45	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Date Collected: 12/20/24 08:54

Matrix: Air

Date Received: 12/21/24 10:30

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
1,4-Dioxane	18	U	18	0.30	ug/m3			01/04/25 04:45	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/04/25 04:45	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/04/25 04:45	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.90	J	2.0	0.53	ug/m3			01/04/25 04:45	1
Toluene	8.0		0.75	0.23	ug/m3			01/04/25 04:45	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/04/25 04:45	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/04/25 04:45	1
Tetrachloroethene	460	E	1.4	0.14	ug/m3			01/04/25 04:45	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/04/25 04:45	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/04/25 04:45	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/04/25 04:45	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/04/25 04:45	1
Ethylbenzene	2.3		0.87	0.30	ug/m3			01/04/25 04:45	1
m,p-Xylene	8.1		2.2	0.41	ug/m3			01/04/25 04:45	1
o-Xylene	3.4		0.87	0.27	ug/m3			01/04/25 04:45	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/04/25 04:45	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/04/25 04:45	1
Cumene	3.3		0.98	0.20	ug/m3			01/04/25 04:45	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/04/25 04:45	1
n-Propylbenzene	0.76	J	0.98	0.23	ug/m3			01/04/25 04:45	1
4-Ethyltoluene	1.1		0.98	0.24	ug/m3			01/04/25 04:45	1
1,3,5-Trimethylbenzene	1.1		0.98	0.23	ug/m3			01/04/25 04:45	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/04/25 04:45	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/04/25 04:45	1
1,2,4-Trimethylbenzene	4.3		0.98	0.39	ug/m3			01/04/25 04:45	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/04/25 04:45	1
4-Isopropyltoluene	0.66	J	1.1	0.33	ug/m3			01/04/25 04:45	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/04/25 04:45	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/04/25 04:45	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/04/25 04:45	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/04/25 04:45	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/04/25 04:45	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/04/25 04:45	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/04/25 04:45	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/04/25 04:45	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.46	J	0.50	0.11	ppb v/v			01/04/25 04:45	1
Chlorodifluoromethane	0.26	J	0.50	0.12	ppb v/v			01/04/25 04:45	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/04/25 04:45	1
Chloromethane	1.8		0.50	0.15	ppb v/v			01/04/25 04:45	1
n-Butane	0.35	J	0.50	0.20	ppb v/v			01/04/25 04:45	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/04/25 04:45	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/04/25 04:45	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/04/25 04:45	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/04/25 04:45	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/04/25 04:45	1
Trichlorofluoromethane	0.26		0.20	0.050	ppb v/v			01/04/25 04:45	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Date Collected: 12/20/24 08:54

Matrix: Air

Date Received: 12/21/24 10:30

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
1,1,2-Trichlorotrifluoroethane	0.074	J	0.20	0.053	ppb v/v			01/04/25 04:45	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/04/25 04:45	1
Ethanol	8.9		5.0	2.6	ppb v/v			01/04/25 04:45	1
Acetone	13		5.0	1.6	ppb v/v			01/04/25 04:45	1
Isopropyl alcohol	1.6	J	5.0	1.6	ppb v/v			01/04/25 04:45	1
Carbon disulfide	5.4		0.50	0.13	ppb v/v			01/04/25 04:45	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/04/25 04:45	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/04/25 04:45	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/04/25 04:45	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/04/25 04:45	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/04/25 04:45	1
n-Hexane	0.23	J	0.50	0.11	ppb v/v			01/04/25 04:45	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/04/25 04:45	1
Methyl Ethyl Ketone (2-Butanone)	2.7		0.50	0.49	ppb v/v			01/04/25 04:45	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/04/25 04:45	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/04/25 04:45	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/04/25 04:45	1
1,1,1-Trichloroethane	0.063	J	0.20	0.044	ppb v/v			01/04/25 04:45	1
Cyclohexane	0.10	J	0.20	0.058	ppb v/v			01/04/25 04:45	1
Carbon tetrachloride	0.059		0.035	0.022	ppb v/v			01/04/25 04:45	1
2,2,4-Trimethylpentane	0.40		0.20	0.038	ppb v/v			01/04/25 04:45	1
Benzene	10		0.20	0.044	ppb v/v			01/04/25 04:45	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/04/25 04:45	1
n-Heptane	0.29		0.20	0.055	ppb v/v			01/04/25 04:45	1
Trichloroethene	0.24		0.037	0.025	ppb v/v			01/04/25 04:45	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/04/25 04:45	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/04/25 04:45	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/04/25 04:45	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/04/25 04:45	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/04/25 04:45	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.22	J	0.50	0.13	ppb v/v			01/04/25 04:45	1
Toluene	2.1		0.20	0.062	ppb v/v			01/04/25 04:45	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/04/25 04:45	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/04/25 04:45	1
Tetrachloroethene	68	E	0.20	0.021	ppb v/v			01/04/25 04:45	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/04/25 04:45	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/04/25 04:45	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/04/25 04:45	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/04/25 04:45	1
Ethylbenzene	0.52		0.20	0.069	ppb v/v			01/04/25 04:45	1
m,p-Xylene	1.9		0.50	0.095	ppb v/v			01/04/25 04:45	1
o-Xylene	0.79		0.20	0.063	ppb v/v			01/04/25 04:45	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/04/25 04:45	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/04/25 04:45	1
Cumene	0.67		0.20	0.041	ppb v/v			01/04/25 04:45	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/04/25 04:45	1
n-Propylbenzene	0.15	J	0.20	0.047	ppb v/v			01/04/25 04:45	1
4-Ethyltoluene	0.22		0.20	0.049	ppb v/v			01/04/25 04:45	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Date Collected: 12/20/24 08:54

Matrix: Air

Date Received: 12/21/24 10:30

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
1,3,5-Trimethylbenzene	0.22		0.20	0.047	ppb v/v			01/04/25 04:45	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/04/25 04:45	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 04:45	1
1,2,4-Trimethylbenzene	0.88		0.20	0.080	ppb v/v			01/04/25 04:45	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/04/25 04:45	1
4-Isopropyltoluene	0.12 J		0.20	0.061	ppb v/v			01/04/25 04:45	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/04/25 04:45	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/04/25 04:45	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/04/25 04:45	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/04/25 04:45	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/04/25 04:45	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/04/25 04:45	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/04/25 04:45	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/04/25 04:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.6 J D		7.4	1.6	ug/m3			01/04/25 19:13	2.99
Chlorodifluoromethane	5.3	U	5.3	1.3	ug/m3			01/04/25 19:13	2.99
1,2-Dichlorotetrafluoroethane	4.2	U	4.2	1.0	ug/m3			01/04/25 19:13	2.99
Chloromethane	4.0 D		3.1	0.93	ug/m3			01/04/25 19:13	2.99
n-Butane	3.6	U	3.6	1.4	ug/m3			01/04/25 19:13	2.99
Vinyl chloride	0.60	U	0.60	0.16	ug/m3			01/04/25 19:13	2.99
1,3-Butadiene	1.3	U	1.3	0.26	ug/m3			01/04/25 19:13	2.99
Bromomethane	2.3	U	2.3	0.82	ug/m3			01/04/25 19:13	2.99
Chloroethane	3.9	U	3.9	1.4	ug/m3			01/04/25 19:13	2.99
Bromoethene(Vinyl Bromide)	2.6	U	2.6	0.65	ug/m3			01/04/25 19:13	2.99
Trichlorofluoromethane	1.4 J D		3.4	0.84	ug/m3			01/04/25 19:13	2.99
1,1,2-Trichlorotrifluoroethane	4.6	U	4.6	1.2	ug/m3			01/04/25 19:13	2.99
1,1-Dichloroethene	0.60	U	0.60	0.31	ug/m3			01/04/25 19:13	2.99
Ethanol	16 J D		28	15	ug/m3			01/04/25 19:13	2.99
Acetone	33 J D		36	11	ug/m3			01/04/25 19:13	2.99
Isopropyl alcohol	37	U	37	12	ug/m3			01/04/25 19:13	2.99
Carbon disulfide	17 D		4.7	1.2	ug/m3			01/04/25 19:13	2.99
3-Chloropropene	4.7	U	4.7	1.1	ug/m3			01/04/25 19:13	2.99
Methylene Chloride	5.2	U	5.2	1.9	ug/m3			01/04/25 19:13	2.99
tert-Butyl alcohol	45	U	45	11	ug/m3			01/04/25 19:13	2.99
Methyl tert-butyl ether	2.2	U	2.2	0.39	ug/m3			01/04/25 19:13	2.99
trans-1,2-Dichloroethene	2.4	U	2.4	0.27	ug/m3			01/04/25 19:13	2.99
n-Hexane	5.3	U	5.3	1.2	ug/m3			01/04/25 19:13	2.99
1,1-Dichloroethane	2.4	U	2.4	0.30	ug/m3			01/04/25 19:13	2.99
Methyl Ethyl Ketone (2-Butanone)	7.7 D		4.4	4.3	ug/m3			01/04/25 19:13	2.99
cis-1,2-Dichloroethene	0.60	U	0.60	0.25	ug/m3			01/04/25 19:13	2.99
Chloroform	2.9	U	2.9	0.60	ug/m3			01/04/25 19:13	2.99
Tetrahydrofuran	44	U	44	11	ug/m3			01/04/25 19:13	2.99
1,1,1-Trichloroethane	3.3	U	3.3	0.72	ug/m3			01/04/25 19:13	2.99
Cyclohexane	2.1	U	2.1	0.60	ug/m3			01/04/25 19:13	2.99
Carbon tetrachloride	0.66	U	0.66	0.41	ug/m3			01/04/25 19:13	2.99
2,2,4-Trimethylpentane	1.8 J D		2.8	0.53	ug/m3			01/04/25 19:13	2.99

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Date Collected: 12/20/24 08:54

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	35	D	1.9	0.42	ug/m3			01/04/25 19:13	2.99
1,2-Dichloroethane	2.4	U	2.4	1.1	ug/m3			01/04/25 19:13	2.99
n-Heptane	1.2	J D	2.5	0.67	ug/m3			01/04/25 19:13	2.99
Trichloroethene	1.3	D	0.60	0.40	ug/m3			01/04/25 19:13	2.99
Methyl methacrylate	6.1	U	6.1	1.7	ug/m3			01/04/25 19:13	2.99
1,2-Dichloropropane	2.8	U	2.8	1.3	ug/m3			01/04/25 19:13	2.99
1,4-Dioxane	54	U	54	0.88	ug/m3			01/04/25 19:13	2.99
Bromodichloromethane	4.0	U	4.0	1.0	ug/m3			01/04/25 19:13	2.99
cis-1,3-Dichloropropene	2.7	U	2.7	0.61	ug/m3			01/04/25 19:13	2.99
4-Methyl-2-pentanone (Methyl isobutyl ketone)	6.1	U	6.1	1.6	ug/m3			01/04/25 19:13	2.99
Toluene	7.4	D	2.3	0.70	ug/m3			01/04/25 19:13	2.99
trans-1,3-Dichloropropene	2.7	U	2.7	0.73	ug/m3			01/04/25 19:13	2.99
1,1,2-Trichloroethane	3.3	U	3.3	1.2	ug/m3			01/04/25 19:13	2.99
Tetrachloroethene	460	D	4.1	0.43	ug/m3			01/04/25 19:13	2.99
Methyl Butyl Ketone (2-Hexanone)	6.1	U	6.1	1.8	ug/m3			01/04/25 19:13	2.99
Dibromochloromethane	5.1	U	5.1	1.6	ug/m3			01/04/25 19:13	2.99
1,2-Dibromoethane	4.6	U	4.6	0.96	ug/m3			01/04/25 19:13	2.99
Chlorobenzene	2.8	U	2.8	0.61	ug/m3			01/04/25 19:13	2.99
Ethylbenzene	2.2	J D	2.6	0.90	ug/m3			01/04/25 19:13	2.99
m,p-Xylene	7.0	D	6.5	1.2	ug/m3			01/04/25 19:13	2.99
o-Xylene	3.0	D	2.6	0.82	ug/m3			01/04/25 19:13	2.99
Styrene	2.5	U	2.5	0.75	ug/m3			01/04/25 19:13	2.99
Bromoform	6.2	U	6.2	3.7	ug/m3			01/04/25 19:13	2.99
Cumene	2.7	J D	2.9	0.60	ug/m3			01/04/25 19:13	2.99
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.88	ug/m3			01/04/25 19:13	2.99
n-Propylbenzene	0.69	J D	2.9	0.69	ug/m3			01/04/25 19:13	2.99
4-Ethyltoluene	0.92	J D	2.9	0.72	ug/m3			01/04/25 19:13	2.99
1,3,5-Trimethylbenzene	0.89	J D	2.9	0.69	ug/m3			01/04/25 19:13	2.99
2-Chlorotoluene	3.1	U	3.1	0.71	ug/m3			01/04/25 19:13	2.99
tert-Butylbenzene	3.3	U	3.3	0.77	ug/m3			01/04/25 19:13	2.99
1,2,4-Trimethylbenzene	3.3	D	2.9	1.2	ug/m3			01/04/25 19:13	2.99
sec-Butylbenzene	3.3	U	3.3	0.74	ug/m3			01/04/25 19:13	2.99
4-Isopropyltoluene	3.3	U	3.3	1.0	ug/m3			01/04/25 19:13	2.99
1,3-Dichlorobenzene	3.6	U	3.6	1.3	ug/m3			01/04/25 19:13	2.99
1,4-Dichlorobenzene	3.6	U	3.6	1.6	ug/m3			01/04/25 19:13	2.99
Benzyl chloride	3.1	U	3.1	1.4	ug/m3			01/04/25 19:13	2.99
n-Butylbenzene	3.3	U	3.3	1.8	ug/m3			01/04/25 19:13	2.99
1,2-Dichlorobenzene	3.6	U	3.6	1.2	ug/m3			01/04/25 19:13	2.99
1,2,4-Trichlorobenzene	11	U	11	7.3	ug/m3			01/04/25 19:13	2.99
Hexachlorobutadiene	6.4	U	6.4	3.5	ug/m3			01/04/25 19:13	2.99
Naphthalene	7.8	U	7.8	4.7	ug/m3			01/04/25 19:13	2.99
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.52	J D	1.5	0.33	ppb v/v			01/04/25 19:13	2.99
Chlorodifluoromethane	1.5	U	1.5	0.36	ppb v/v			01/04/25 19:13	2.99
1,2-Dichlorotetrafluoroethane	0.60	U	0.60	0.14	ppb v/v			01/04/25 19:13	2.99
Chloromethane	1.9	D	1.5	0.45	ppb v/v			01/04/25 19:13	2.99
n-Butane	1.5	U	1.5	0.60	ppb v/v			01/04/25 19:13	2.99

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Date Collected: 12/20/24 08:54

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.23	U	0.23	0.063	ppb v/v			01/04/25 19:13	2.99
1,3-Butadiene	0.60	U	0.60	0.12	ppb v/v			01/04/25 19:13	2.99
Bromomethane	0.60	U	0.60	0.21	ppb v/v			01/04/25 19:13	2.99
Chloroethane	1.5	U	1.5	0.54	ppb v/v			01/04/25 19:13	2.99
Bromoethene(Vinyl Bromide)	0.60	U	0.60	0.15	ppb v/v			01/04/25 19:13	2.99
Trichlorofluoromethane	0.25	J D	0.60	0.15	ppb v/v			01/04/25 19:13	2.99
1,1,2-Trichlorotrifluoroethane	0.60	U	0.60	0.16	ppb v/v			01/04/25 19:13	2.99
1,1-Dichloroethene	0.15	U	0.15	0.078	ppb v/v			01/04/25 19:13	2.99
Ethanol	8.7	J D	15	7.8	ppb v/v			01/04/25 19:13	2.99
Acetone	14	J D	15	4.8	ppb v/v			01/04/25 19:13	2.99
Isopropyl alcohol	15	U	15	4.8	ppb v/v			01/04/25 19:13	2.99
Carbon disulfide	5.6	D	1.5	0.39	ppb v/v			01/04/25 19:13	2.99
3-Chloropropene	1.5	U	1.5	0.36	ppb v/v			01/04/25 19:13	2.99
Methylene Chloride	1.5	U	1.5	0.54	ppb v/v			01/04/25 19:13	2.99
tert-Butyl alcohol	15	U	15	3.6	ppb v/v			01/04/25 19:13	2.99
Methyl tert-butyl ether	0.60	U	0.60	0.11	ppb v/v			01/04/25 19:13	2.99
trans-1,2-Dichloroethene	0.60	U	0.60	0.069	ppb v/v			01/04/25 19:13	2.99
n-Hexane	1.5	U	1.5	0.33	ppb v/v			01/04/25 19:13	2.99
1,1-Dichloroethane	0.60	U	0.60	0.075	ppb v/v			01/04/25 19:13	2.99
Methyl Ethyl Ketone (2-Butanone)	2.6	D	1.5	1.5	ppb v/v			01/04/25 19:13	2.99
cis-1,2-Dichloroethene	0.15	U	0.15	0.063	ppb v/v			01/04/25 19:13	2.99
Chloroform	0.60	U	0.60	0.12	ppb v/v			01/04/25 19:13	2.99
Tetrahydrofuran	15	U	15	3.9	ppb v/v			01/04/25 19:13	2.99
1,1,1-Trichloroethane	0.60	U	0.60	0.13	ppb v/v			01/04/25 19:13	2.99
Cyclohexane	0.60	U	0.60	0.17	ppb v/v			01/04/25 19:13	2.99
Carbon tetrachloride	0.10	U	0.10	0.066	ppb v/v			01/04/25 19:13	2.99
2,2,4-Trimethylpentane	0.39	J D	0.60	0.11	ppb v/v			01/04/25 19:13	2.99
Benzene	11	D	0.60	0.13	ppb v/v			01/04/25 19:13	2.99
1,2-Dichloroethane	0.60	U	0.60	0.28	ppb v/v			01/04/25 19:13	2.99
n-Heptane	0.28	J D	0.60	0.16	ppb v/v			01/04/25 19:13	2.99
Trichloroethene	0.25	D	0.11	0.075	ppb v/v			01/04/25 19:13	2.99
Methyl methacrylate	1.5	U	1.5	0.42	ppb v/v			01/04/25 19:13	2.99
1,2-Dichloropropane	0.60	U	0.60	0.28	ppb v/v			01/04/25 19:13	2.99
1,4-Dioxane	15	U	15	0.25	ppb v/v			01/04/25 19:13	2.99
Bromodichloromethane	0.60	U	0.60	0.15	ppb v/v			01/04/25 19:13	2.99
cis-1,3-Dichloropropene	0.60	U	0.60	0.13	ppb v/v			01/04/25 19:13	2.99
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.5	U	1.5	0.39	ppb v/v			01/04/25 19:13	2.99
Toluene	2.0	D	0.60	0.19	ppb v/v			01/04/25 19:13	2.99
trans-1,3-Dichloropropene	0.60	U	0.60	0.16	ppb v/v			01/04/25 19:13	2.99
1,1,2-Trichloroethane	0.60	U	0.60	0.22	ppb v/v			01/04/25 19:13	2.99
Tetrachloroethene	68	D	0.60	0.063	ppb v/v			01/04/25 19:13	2.99
Methyl Butyl Ketone (2-Hexanone)	1.5	U	1.5	0.45	ppb v/v			01/04/25 19:13	2.99
Dibromochloromethane	0.60	U	0.60	0.19	ppb v/v			01/04/25 19:13	2.99
1,2-Dibromoethane	0.60	U	0.60	0.13	ppb v/v			01/04/25 19:13	2.99
Chlorobenzene	0.60	U	0.60	0.13	ppb v/v			01/04/25 19:13	2.99
Ethylbenzene	0.50	J D	0.60	0.21	ppb v/v			01/04/25 19:13	2.99
m,p-Xylene	1.6	D	1.5	0.28	ppb v/v			01/04/25 19:13	2.99
o-Xylene	0.68	D	0.60	0.19	ppb v/v			01/04/25 19:13	2.99

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Date Collected: 12/20/24 08:54

Matrix: Air

Date Received: 12/21/24 10:30

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.60	U	0.60	0.18	ppb v/v			01/04/25 19:13	2.99
Bromoform	0.60	U	0.60	0.36	ppb v/v			01/04/25 19:13	2.99
Cumene	0.54	J D	0.60	0.12	ppb v/v			01/04/25 19:13	2.99
1,1,2,2-Tetrachloroethane	0.60	U	0.60	0.13	ppb v/v			01/04/25 19:13	2.99
n-Propylbenzene	0.14	J D	0.60	0.14	ppb v/v			01/04/25 19:13	2.99
4-Ethyltoluene	0.19	J D	0.60	0.15	ppb v/v			01/04/25 19:13	2.99
1,3,5-Trimethylbenzene	0.18	J D	0.60	0.14	ppb v/v			01/04/25 19:13	2.99
2-Chlorotoluene	0.60	U	0.60	0.14	ppb v/v			01/04/25 19:13	2.99
tert-Butylbenzene	0.60	U	0.60	0.14	ppb v/v			01/04/25 19:13	2.99
1,2,4-Trimethylbenzene	0.67	D	0.60	0.24	ppb v/v			01/04/25 19:13	2.99
sec-Butylbenzene	0.60	U	0.60	0.13	ppb v/v			01/04/25 19:13	2.99
4-Isopropyltoluene	0.60	U	0.60	0.18	ppb v/v			01/04/25 19:13	2.99
1,3-Dichlorobenzene	0.60	U	0.60	0.22	ppb v/v			01/04/25 19:13	2.99
1,4-Dichlorobenzene	0.60	U	0.60	0.27	ppb v/v			01/04/25 19:13	2.99
Benzyl chloride	0.60	U	0.60	0.26	ppb v/v			01/04/25 19:13	2.99
n-Butylbenzene	0.60	U	0.60	0.33	ppb v/v			01/04/25 19:13	2.99
1,2-Dichlorobenzene	0.60	U	0.60	0.20	ppb v/v			01/04/25 19:13	2.99
1,2,4-Trichlorobenzene	1.5	U	1.5	0.99	ppb v/v			01/04/25 19:13	2.99
Hexachlorobutadiene	0.60	U	0.60	0.33	ppb v/v			01/04/25 19:13	2.99
Naphthalene	1.5	U	1.5	0.90	ppb v/v			01/04/25 19:13	2.99

Client Sample ID: SV122024KT006

Lab Sample ID: 200-76392-6

Date Collected: 12/20/24 08:53

Matrix: Air

Date Received: 12/21/24 10:30

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	2.1	J	2.5	0.54	ug/m3			01/06/25 15:12	1
Chlorodifluoromethane	1.0	J	1.8	0.42	ug/m3			01/06/25 15:12	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/06/25 15:12	1
Chloromethane	0.77	J	1.0	0.31	ug/m3			01/06/25 15:12	1
n-Butane	2.1		1.2	0.48	ug/m3			01/06/25 15:12	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/06/25 15:12	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/06/25 15:12	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/06/25 15:12	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/06/25 15:12	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/06/25 15:12	1
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3			01/06/25 15:12	1
1,1,2-Trichlorotrifluoroethane	0.54	J	1.5	0.41	ug/m3			01/06/25 15:12	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/06/25 15:12	1
Ethanol	7.6	J	9.4	4.9	ug/m3			01/06/25 15:12	1
Acetone	8.1	J	12	3.8	ug/m3			01/06/25 15:12	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/06/25 15:12	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/06/25 15:12	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/06/25 15:12	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/06/25 15:12	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/06/25 15:12	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/06/25 15:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT006

Lab Sample ID: 200-76392-6

Date Collected: 12/20/24 08:53

Matrix: Air

Date Received: 12/21/24 10:30

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
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/06/25 15:12	1
n-Hexane	2.0		1.8	0.39	ug/m3			01/06/25 15:12	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/06/25 15:12	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/06/25 15:12	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/06/25 15:12	1
Chloroform	1.8		0.98	0.20	ug/m3			01/06/25 15:12	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/06/25 15:12	1
1,1,1-Trichloroethane	0.47	J	1.1	0.24	ug/m3			01/06/25 15:12	1
Cyclohexane	0.55	J	0.69	0.20	ug/m3			01/06/25 15:12	1
Carbon tetrachloride	0.38		0.22	0.14	ug/m3			01/06/25 15:12	1
2,2,4-Trimethylpentane	1.2		0.93	0.18	ug/m3			01/06/25 15:12	1
Benzene	7.8		0.64	0.14	ug/m3			01/06/25 15:12	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/06/25 15:12	1
n-Heptane	2.1		0.82	0.23	ug/m3			01/06/25 15:12	1
Trichloroethene	2.0		0.20	0.13	ug/m3			01/06/25 15:12	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/06/25 15:12	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/06/25 15:12	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/06/25 15:12	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/06/25 15:12	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/06/25 15:12	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/06/25 15:12	1
Toluene	12		0.75	0.23	ug/m3			01/06/25 15:12	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/06/25 15:12	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/06/25 15:12	1
Tetrachloroethene	170		1.4	0.14	ug/m3			01/06/25 15:12	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/06/25 15:12	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/06/25 15:12	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/06/25 15:12	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/06/25 15:12	1
Ethylbenzene	1.3		0.87	0.30	ug/m3			01/06/25 15:12	1
m,p-Xylene	4.5		2.2	0.41	ug/m3			01/06/25 15:12	1
o-Xylene	1.4		0.87	0.27	ug/m3			01/06/25 15:12	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/06/25 15:12	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/06/25 15:12	1
Cumene	1.8		0.98	0.20	ug/m3			01/06/25 15:12	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/06/25 15:12	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/06/25 15:12	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/06/25 15:12	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/06/25 15:12	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/06/25 15:12	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/06/25 15:12	1
1,2,4-Trimethylbenzene	0.97	J	0.98	0.39	ug/m3			01/06/25 15:12	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/06/25 15:12	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/06/25 15:12	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/06/25 15:12	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/06/25 15:12	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/06/25 15:12	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/06/25 15:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT006

Lab Sample ID: 200-76392-6

Date Collected: 12/20/24 08:53

Matrix: Air

Date Received: 12/21/24 10:30

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
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/06/25 15:12	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/06/25 15:12	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/06/25 15:12	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/06/25 15:12	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.43	J	0.50	0.11	ppb v/v			01/06/25 15:12	1
Chlorodifluoromethane	0.29	J	0.50	0.12	ppb v/v			01/06/25 15:12	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/06/25 15:12	1
Chloromethane	0.37	J	0.50	0.15	ppb v/v			01/06/25 15:12	1
n-Butane	0.90		0.50	0.20	ppb v/v			01/06/25 15:12	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/06/25 15:12	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/06/25 15:12	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/06/25 15:12	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/06/25 15:12	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/06/25 15:12	1
Trichlorofluoromethane	0.20		0.20	0.050	ppb v/v			01/06/25 15:12	1
1,1,2-Trichlorotrifluoroethane	0.070	J	0.20	0.053	ppb v/v			01/06/25 15:12	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/06/25 15:12	1
Ethanol	4.0	J	5.0	2.6	ppb v/v			01/06/25 15:12	1
Acetone	3.4	J	5.0	1.6	ppb v/v			01/06/25 15:12	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/06/25 15:12	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/06/25 15:12	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/06/25 15:12	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/06/25 15:12	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/06/25 15:12	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/06/25 15:12	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/06/25 15:12	1
n-Hexane	0.57		0.50	0.11	ppb v/v			01/06/25 15:12	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/06/25 15:12	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/06/25 15:12	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/06/25 15:12	1
Chloroform	0.36		0.20	0.041	ppb v/v			01/06/25 15:12	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/06/25 15:12	1
1,1,1-Trichloroethane	0.086	J	0.20	0.044	ppb v/v			01/06/25 15:12	1
Cyclohexane	0.16	J	0.20	0.058	ppb v/v			01/06/25 15:12	1
Carbon tetrachloride	0.061		0.035	0.022	ppb v/v			01/06/25 15:12	1
2,2,4-Trimethylpentane	0.25		0.20	0.038	ppb v/v			01/06/25 15:12	1
Benzene	2.5		0.20	0.044	ppb v/v			01/06/25 15:12	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/06/25 15:12	1
n-Heptane	0.52		0.20	0.055	ppb v/v			01/06/25 15:12	1
Trichloroethene	0.37		0.037	0.025	ppb v/v			01/06/25 15:12	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/06/25 15:12	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/06/25 15:12	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/06/25 15:12	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/06/25 15:12	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/06/25 15:12	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/06/25 15:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT006

Lab Sample ID: 200-76392-6

Date Collected: 12/20/24 08:53

Matrix: Air

Date Received: 12/21/24 10:30

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
Toluene	3.1		0.20	0.062	ppb v/v			01/06/25 15:12	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/06/25 15:12	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/06/25 15:12	1
Tetrachloroethene	24		0.20	0.021	ppb v/v			01/06/25 15:12	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/06/25 15:12	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/06/25 15:12	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/06/25 15:12	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/06/25 15:12	1
Ethylbenzene	0.31		0.20	0.069	ppb v/v			01/06/25 15:12	1
m,p-Xylene	1.0		0.50	0.095	ppb v/v			01/06/25 15:12	1
o-Xylene	0.33		0.20	0.063	ppb v/v			01/06/25 15:12	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/06/25 15:12	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/06/25 15:12	1
Cumene	0.36		0.20	0.041	ppb v/v			01/06/25 15:12	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/06/25 15:12	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 15:12	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/06/25 15:12	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 15:12	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/06/25 15:12	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 15:12	1
1,2,4-Trimethylbenzene	0.20 J		0.20	0.080	ppb v/v			01/06/25 15:12	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/06/25 15:12	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/06/25 15:12	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/06/25 15:12	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/06/25 15:12	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/06/25 15:12	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/06/25 15:12	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/06/25 15:12	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/06/25 15:12	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/06/25 15:12	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/06/25 15:12	1

Client Sample ID: SV122024KT007

Lab Sample ID: 200-76392-7

Date Collected: 12/20/24 08:50

Matrix: Air

Date Received: 12/21/24 10:30

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	2.2 J		2.5	0.54	ug/m3			01/06/25 16:03	1
Chlorodifluoromethane	1.2 J		1.8	0.42	ug/m3			01/06/25 16:03	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/06/25 16:03	1
Chloromethane	0.67 J		1.0	0.31	ug/m3			01/06/25 16:03	1
n-Butane	2.1		1.2	0.48	ug/m3			01/06/25 16:03	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/06/25 16:03	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/06/25 16:03	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/06/25 16:03	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/06/25 16:03	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/06/25 16:03	1

Eurofins Burlington

Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT007

Lab Sample ID: 200-76392-7

Date Collected: 12/20/24 08:50

Matrix: Air

Date Received: 12/21/24 10:30

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
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3			01/06/25 16:03	1
1,1,2-Trichlorotrifluoroethane	0.63	J	1.5	0.41	ug/m3			01/06/25 16:03	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/06/25 16:03	1
Ethanol	14		9.4	4.9	ug/m3			01/06/25 16:03	1
Acetone	15		12	3.8	ug/m3			01/06/25 16:03	1
Isopropyl alcohol	6.9	J	12	3.9	ug/m3			01/06/25 16:03	1
Carbon disulfide	0.48	J	1.6	0.40	ug/m3			01/06/25 16:03	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/06/25 16:03	1
Methylene Chloride	0.97	J	1.7	0.63	ug/m3			01/06/25 16:03	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/06/25 16:03	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/06/25 16:03	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/06/25 16:03	1
n-Hexane	1.9		1.8	0.39	ug/m3			01/06/25 16:03	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/06/25 16:03	1
Methyl Ethyl Ketone (2-Butanone)	2.3		1.5	1.4	ug/m3			01/06/25 16:03	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/06/25 16:03	1
Chloroform	2.2		0.98	0.20	ug/m3			01/06/25 16:03	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/06/25 16:03	1
1,1,1-Trichloroethane	1.5		1.1	0.24	ug/m3			01/06/25 16:03	1
Cyclohexane	0.69		0.69	0.20	ug/m3			01/06/25 16:03	1
Carbon tetrachloride	0.37		0.22	0.14	ug/m3			01/06/25 16:03	1
2,2,4-Trimethylpentane	0.96		0.93	0.18	ug/m3			01/06/25 16:03	1
Benzene	1.7		0.64	0.14	ug/m3			01/06/25 16:03	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/06/25 16:03	1
n-Heptane	2.0		0.82	0.23	ug/m3			01/06/25 16:03	1
Trichloroethene	2.2		0.20	0.13	ug/m3			01/06/25 16:03	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/06/25 16:03	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/06/25 16:03	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/06/25 16:03	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/06/25 16:03	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/06/25 16:03	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/06/25 16:03	1
Toluene	9.2		0.75	0.23	ug/m3			01/06/25 16:03	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/06/25 16:03	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/06/25 16:03	1
Tetrachloroethene	180		1.4	0.14	ug/m3			01/06/25 16:03	1
Methyl Butyl Ketone (2-Hexanone)	0.78	J	2.0	0.61	ug/m3			01/06/25 16:03	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/06/25 16:03	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/06/25 16:03	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/06/25 16:03	1
Ethylbenzene	0.82	J	0.87	0.30	ug/m3			01/06/25 16:03	1
m,p-Xylene	2.7		2.2	0.41	ug/m3			01/06/25 16:03	1
o-Xylene	0.91		0.87	0.27	ug/m3			01/06/25 16:03	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/06/25 16:03	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/06/25 16:03	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/06/25 16:03	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/06/25 16:03	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/06/25 16:03	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT007

Lab Sample ID: 200-76392-7

Date Collected: 12/20/24 08:50

Matrix: Air

Date Received: 12/21/24 10:30

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
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/06/25 16:03	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/06/25 16:03	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/06/25 16:03	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/06/25 16:03	1
1,2,4-Trimethylbenzene	0.62	J	0.98	0.39	ug/m3			01/06/25 16:03	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/06/25 16:03	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/06/25 16:03	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/06/25 16:03	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/06/25 16:03	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/06/25 16:03	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/06/25 16:03	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/06/25 16:03	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/06/25 16:03	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/06/25 16:03	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/06/25 16:03	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.45	J	0.50	0.11	ppb v/v			01/06/25 16:03	1
Chlorodifluoromethane	0.33	J	0.50	0.12	ppb v/v			01/06/25 16:03	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/06/25 16:03	1
Chloromethane	0.33	J	0.50	0.15	ppb v/v			01/06/25 16:03	1
n-Butane	0.89		0.50	0.20	ppb v/v			01/06/25 16:03	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/06/25 16:03	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/06/25 16:03	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/06/25 16:03	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/06/25 16:03	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/06/25 16:03	1
Trichlorofluoromethane	0.20		0.20	0.050	ppb v/v			01/06/25 16:03	1
1,1,2-Trichlorotrifluoroethane	0.082	J	0.20	0.053	ppb v/v			01/06/25 16:03	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/06/25 16:03	1
Ethanol	7.5		5.0	2.6	ppb v/v			01/06/25 16:03	1
Acetone	6.4		5.0	1.6	ppb v/v			01/06/25 16:03	1
Isopropyl alcohol	2.8	J	5.0	1.6	ppb v/v			01/06/25 16:03	1
Carbon disulfide	0.15	J	0.50	0.13	ppb v/v			01/06/25 16:03	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/06/25 16:03	1
Methylene Chloride	0.28	J	0.50	0.18	ppb v/v			01/06/25 16:03	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/06/25 16:03	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/06/25 16:03	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/06/25 16:03	1
n-Hexane	0.54		0.50	0.11	ppb v/v			01/06/25 16:03	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/06/25 16:03	1
Methyl Ethyl Ketone (2-Butanone)	0.78		0.50	0.49	ppb v/v			01/06/25 16:03	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/06/25 16:03	1
Chloroform	0.45		0.20	0.041	ppb v/v			01/06/25 16:03	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/06/25 16:03	1
1,1,1-Trichloroethane	0.27		0.20	0.044	ppb v/v			01/06/25 16:03	1
Cyclohexane	0.20		0.20	0.058	ppb v/v			01/06/25 16:03	1
Carbon tetrachloride	0.058		0.035	0.022	ppb v/v			01/06/25 16:03	1
2,2,4-Trimethylpentane	0.21		0.20	0.038	ppb v/v			01/06/25 16:03	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT007

Lab Sample ID: 200-76392-7

Date Collected: 12/20/24 08:50

Matrix: Air

Date Received: 12/21/24 10:30

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
Benzene	0.53		0.20	0.044	ppb v/v			01/06/25 16:03	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/06/25 16:03	1
n-Heptane	0.49		0.20	0.055	ppb v/v			01/06/25 16:03	1
Trichloroethene	0.40		0.037	0.025	ppb v/v			01/06/25 16:03	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/06/25 16:03	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/06/25 16:03	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/06/25 16:03	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/06/25 16:03	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/06/25 16:03	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/06/25 16:03	1
Toluene	2.4		0.20	0.062	ppb v/v			01/06/25 16:03	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/06/25 16:03	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/06/25 16:03	1
Tetrachloroethene	26		0.20	0.021	ppb v/v			01/06/25 16:03	1
Methyl Butyl Ketone (2-Hexanone)	0.19 J		0.50	0.15	ppb v/v			01/06/25 16:03	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/06/25 16:03	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/06/25 16:03	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/06/25 16:03	1
Ethylbenzene	0.19 J		0.20	0.069	ppb v/v			01/06/25 16:03	1
m,p-Xylene	0.62		0.50	0.095	ppb v/v			01/06/25 16:03	1
o-Xylene	0.21		0.20	0.063	ppb v/v			01/06/25 16:03	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/06/25 16:03	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/06/25 16:03	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/06/25 16:03	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/06/25 16:03	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 16:03	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/06/25 16:03	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 16:03	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/06/25 16:03	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 16:03	1
1,2,4-Trimethylbenzene	0.13 J		0.20	0.080	ppb v/v			01/06/25 16:03	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/06/25 16:03	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/06/25 16:03	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/06/25 16:03	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/06/25 16:03	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/06/25 16:03	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/06/25 16:03	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/06/25 16:03	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/06/25 16:03	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/06/25 16:03	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/06/25 16:03	1

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Default Detection Limits

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

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

Eurofins Burlington

Default Detection Limits

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Analyte	RL	MDL
Benzyl chloride	0.20 ppb v/v	0.088 ppb v/v
Bromodichloromethane	1.3 ug/m3	0.34 ug/m3
Bromodichloromethane	0.20 ppb v/v	0.050 ppb v/v
Bromoethene(Vinyl Bromide)	0.87 ug/m3	0.22 ug/m3
Bromoethene(Vinyl Bromide)	0.20 ppb v/v	0.050 ppb v/v
Bromoform	2.1 ug/m3	1.2 ug/m3
Bromoform	0.20 ppb v/v	0.12 ppb v/v
Bromomethane	0.78 ug/m3	0.28 ug/m3
Bromomethane	0.20 ppb v/v	0.071 ppb v/v
Carbon disulfide	1.6 ug/m3	0.40 ug/m3
Carbon disulfide	0.50 ppb v/v	0.13 ppb v/v
Carbon tetrachloride	0.22 ug/m3	0.14 ug/m3
Carbon tetrachloride	0.035 ppb v/v	0.022 ppb v/v
Chlorobenzene	0.92 ug/m3	0.20 ug/m3
Chlorobenzene	0.20 ppb v/v	0.044 ppb v/v
Chlorodifluoromethane	1.8 ug/m3	0.42 ug/m3
Chlorodifluoromethane	0.50 ppb v/v	0.12 ppb v/v
Chloroethane	1.3 ug/m3	0.47 ug/m3
Chloroethane	0.50 ppb v/v	0.18 ppb v/v
Chloroform	0.98 ug/m3	0.20 ug/m3
Chloroform	0.20 ppb v/v	0.041 ppb v/v
Chloromethane	1.0 ug/m3	0.31 ug/m3
Chloromethane	0.50 ppb v/v	0.15 ppb v/v
cis-1,2-Dichloroethene	0.20 ug/m3	0.083 ug/m3
cis-1,2-Dichloroethene	0.050 ppb v/v	0.021 ppb v/v
cis-1,3-Dichloropropene	0.91 ug/m3	0.20 ug/m3
cis-1,3-Dichloropropene	0.20 ppb v/v	0.045 ppb v/v
Cumene	0.98 ug/m3	0.20 ug/m3
Cumene	0.20 ppb v/v	0.041 ppb v/v
Cyclohexane	0.69 ug/m3	0.20 ug/m3
Cyclohexane	0.20 ppb v/v	0.058 ppb v/v
Dibromochloromethane	1.7 ug/m3	0.54 ug/m3
Dibromochloromethane	0.20 ppb v/v	0.063 ppb v/v
Dichlorodifluoromethane	2.5 ug/m3	0.54 ug/m3
Dichlorodifluoromethane	0.50 ppb v/v	0.11 ppb v/v
Ethanol	9.4 ug/m3	4.9 ug/m3
Ethanol	5.0 ppb v/v	2.6 ppb v/v
Ethylbenzene	0.87 ug/m3	0.30 ug/m3
Ethylbenzene	0.20 ppb v/v	0.069 ppb v/v
Hexachlorobutadiene	2.1 ug/m3	1.2 ug/m3
Hexachlorobutadiene	0.20 ppb v/v	0.11 ppb v/v
Isopropyl alcohol	12 ug/m3	3.9 ug/m3
Isopropyl alcohol	5.0 ppb v/v	1.6 ppb v/v
m,p-Xylene	2.2 ug/m3	0.41 ug/m3
m,p-Xylene	0.50 ppb v/v	0.095 ppb v/v
Methyl Butyl Ketone (2-Hexanone)	2.0 ug/m3	0.61 ug/m3
Methyl Butyl Ketone (2-Hexanone)	0.50 ppb v/v	0.15 ppb v/v
Methyl Ethyl Ketone (2-Butanone)	1.5 ug/m3	1.4 ug/m3
Methyl Ethyl Ketone (2-Butanone)	0.50 ppb v/v	0.49 ppb v/v
Methyl methacrylate	2.0 ug/m3	0.57 ug/m3
Methyl methacrylate	0.50 ppb v/v	0.14 ppb v/v
Methyl tert-butyl ether	0.72 ug/m3	0.13 ug/m3
Methyl tert-butyl ether	0.20 ppb v/v	0.036 ppb v/v

Eurofins Burlington

Default Detection Limits

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Analyte	RL	MDL
Methylene Chloride	1.7 ug/m3	0.63 ug/m3
Methylene Chloride	0.50 ppb v/v	0.18 ppb v/v
Naphthalene	2.6 ug/m3	1.6 ug/m3
Naphthalene	0.50 ppb v/v	0.30 ppb v/v
n-Butane	1.2 ug/m3	0.48 ug/m3
n-Butane	0.50 ppb v/v	0.20 ppb v/v
n-Butylbenzene	1.1 ug/m3	0.60 ug/m3
n-Butylbenzene	0.20 ppb v/v	0.11 ppb v/v
n-Heptane	0.82 ug/m3	0.23 ug/m3
n-Heptane	0.20 ppb v/v	0.055 ppb v/v
n-Hexane	1.8 ug/m3	0.39 ug/m3
n-Hexane	0.50 ppb v/v	0.11 ppb v/v
n-Propylbenzene	0.98 ug/m3	0.23 ug/m3
n-Propylbenzene	0.20 ppb v/v	0.047 ppb v/v
o-Xylene	0.87 ug/m3	0.27 ug/m3
o-Xylene	0.20 ppb v/v	0.063 ppb v/v
sec-Butylbenzene	1.1 ug/m3	0.25 ug/m3
sec-Butylbenzene	0.20 ppb v/v	0.045 ppb v/v
Styrene	0.85 ug/m3	0.25 ug/m3
Styrene	0.20 ppb v/v	0.059 ppb v/v
tert-Butyl alcohol	15 ug/m3	3.6 ug/m3
tert-Butyl alcohol	5.0 ppb v/v	1.2 ppb v/v
tert-Butylbenzene	1.1 ug/m3	0.26 ug/m3
tert-Butylbenzene	0.20 ppb v/v	0.047 ppb v/v
Tetrachloroethene	1.4 ug/m3	0.14 ug/m3
Tetrachloroethene	0.20 ppb v/v	0.021 ppb v/v
Tetrahydrofuran	15 ug/m3	3.8 ug/m3
Tetrahydrofuran	5.0 ppb v/v	1.3 ppb v/v
Toluene	0.75 ug/m3	0.23 ug/m3
Toluene	0.20 ppb v/v	0.062 ppb v/v
trans-1,2-Dichloroethene	0.79 ug/m3	0.091 ug/m3
trans-1,2-Dichloroethene	0.20 ppb v/v	0.023 ppb v/v
trans-1,3-Dichloropropene	0.91 ug/m3	0.25 ug/m3
trans-1,3-Dichloropropene	0.20 ppb v/v	0.054 ppb v/v
Trichloroethene	0.20 ug/m3	0.13 ug/m3
Trichloroethene	0.037 ppb v/v	0.025 ppb v/v
Trichlorofluoromethane	1.1 ug/m3	0.28 ug/m3
Trichlorofluoromethane	0.20 ppb v/v	0.050 ppb v/v
Vinyl chloride	0.20 ug/m3	0.054 ug/m3
Vinyl chloride	0.078 ppb v/v	0.021 ppb v/v

Method: D1946 - Fixed Gases (Helium)

Analyte	RL	MDL
Helium	0.025 % v/v	0.0082 % v/v

QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212533/6
Matrix: Air
Analysis Batch: 212533

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			01/03/25 11:24	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/03/25 11:24	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/03/25 11:24	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/03/25 11:24	1
n-Butane	1.2	U	1.2	0.48	ug/m3			01/03/25 11:24	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/03/25 11:24	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/03/25 11:24	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/03/25 11:24	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/03/25 11:24	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/03/25 11:24	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			01/03/25 11:24	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			01/03/25 11:24	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/03/25 11:24	1
Ethanol	9.4	U	9.4	4.9	ug/m3			01/03/25 11:24	1
Acetone	12	U	12	3.8	ug/m3			01/03/25 11:24	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/03/25 11:24	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/03/25 11:24	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/03/25 11:24	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/03/25 11:24	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/03/25 11:24	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/03/25 11:24	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/03/25 11:24	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/03/25 11:24	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/03/25 11:24	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/03/25 11:24	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/03/25 11:24	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/03/25 11:24	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/03/25 11:24	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/03/25 11:24	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/03/25 11:24	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			01/03/25 11:24	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/03/25 11:24	1
Benzene	0.64	U	0.64	0.14	ug/m3			01/03/25 11:24	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/03/25 11:24	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/03/25 11:24	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/03/25 11:24	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/03/25 11:24	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/03/25 11:24	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/03/25 11:24	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/03/25 11:24	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/03/25 11:24	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/03/25 11:24	1
Toluene	0.75	U	0.75	0.23	ug/m3			01/03/25 11:24	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/03/25 11:24	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/03/25 11:24	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/03/25 11:24	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/03/25 11:24	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/03/25 11:24	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212533/6
Matrix: Air
Analysis Batch: 212533

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/03/25 11:24	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/03/25 11:24	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/03/25 11:24	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/03/25 11:24	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/03/25 11:24	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/03/25 11:24	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/03/25 11:24	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/03/25 11:24	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/03/25 11:24	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/03/25 11:24	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/03/25 11:24	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/03/25 11:24	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/03/25 11:24	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/03/25 11:24	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/03/25 11:24	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/03/25 11:24	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/03/25 11:24	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/03/25 11:24	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/03/25 11:24	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/03/25 11:24	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/03/25 11:24	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/03/25 11:24	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/03/25 11:24	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/03/25 11:24	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/03/25 11:24	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			01/03/25 11:24	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/03/25 11:24	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/03/25 11:24	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/03/25 11:24	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			01/03/25 11:24	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/03/25 11:24	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/03/25 11:24	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/03/25 11:24	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/03/25 11:24	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/03/25 11:24	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			01/03/25 11:24	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			01/03/25 11:24	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/03/25 11:24	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			01/03/25 11:24	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/03/25 11:24	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/03/25 11:24	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/03/25 11:24	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/03/25 11:24	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/03/25 11:24	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/03/25 11:24	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/03/25 11:24	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/03/25 11:24	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212533/6
Matrix: Air
Analysis Batch: 212533

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/03/25 11:24	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/03/25 11:24	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/03/25 11:24	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/03/25 11:24	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/03/25 11:24	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/03/25 11:24	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/03/25 11:24	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/03/25 11:24	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			01/03/25 11:24	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/03/25 11:24	1
Benzene	0.20	U	0.20	0.044	ppb v/v			01/03/25 11:24	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/03/25 11:24	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/03/25 11:24	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/03/25 11:24	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/03/25 11:24	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/03/25 11:24	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/03/25 11:24	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/03/25 11:24	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/03/25 11:24	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/03/25 11:24	1
Toluene	0.20	U	0.20	0.062	ppb v/v			01/03/25 11:24	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/03/25 11:24	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/03/25 11:24	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/03/25 11:24	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/03/25 11:24	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/03/25 11:24	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/03/25 11:24	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/03/25 11:24	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/03/25 11:24	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/03/25 11:24	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/03/25 11:24	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/03/25 11:24	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/03/25 11:24	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/03/25 11:24	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/03/25 11:24	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 11:24	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/03/25 11:24	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 11:24	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/03/25 11:24	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 11:24	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/03/25 11:24	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/03/25 11:24	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/03/25 11:24	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/03/25 11:24	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/03/25 11:24	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/03/25 11:24	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/03/25 11:24	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/03/25 11:24	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212533/6
Matrix: Air
Analysis Batch: 212533

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/03/25 11:24	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/03/25 11:24	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/03/25 11:24	1

Lab Sample ID: LCS 200-212533/3
Matrix: Air
Analysis Batch: 212533

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	50.0		ug/m3		101	61 - 142
Chlorodifluoromethane	35.4	38.4		ug/m3		109	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	62.6		ug/m3		90	71 - 141
Chloromethane	20.6	22.4		ug/m3		108	56 - 141
n-Butane	23.8	29.4		ug/m3		124	53 - 151
Vinyl chloride	25.6	25.3		ug/m3		99	61 - 135
1,3-Butadiene	22.1	23.0		ug/m3		104	58 - 139
Bromomethane	38.8	36.0		ug/m3		93	72 - 124
Chloroethane	26.4	27.0		ug/m3		102	68 - 130
Bromoethene(Vinyl Bromide)	43.7	40.8		ug/m3		93	75 - 125
Trichlorofluoromethane	56.2	55.3		ug/m3		99	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	72.8		ug/m3		95	70 - 121
1,1-Dichloroethene	39.6	34.9		ug/m3		88	68 - 120
Ethanol	28.3	31.5		ug/m3		111	50 - 150
Acetone	23.7	26.4		ug/m3		111	54 - 154
Isopropyl alcohol	24.6	32.9		ug/m3		134	53 - 142
Carbon disulfide	31.1	31.0		ug/m3		100	71 - 138
3-Chloropropene	31.3	35.8		ug/m3		114	50 - 150
Methylene Chloride	34.7	37.4		ug/m3		108	59 - 137
tert-Butyl alcohol	30.3	33.1		ug/m3		109	66 - 132
Methyl tert-butyl ether	36.0	36.6		ug/m3		102	70 - 127
trans-1,2-Dichloroethene	39.6	40.3		ug/m3		102	69 - 137
n-Hexane	35.2	36.5		ug/m3		104	63 - 138
1,1-Dichloroethane	40.5	41.1		ug/m3		102	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	29.8		ug/m3		101	72 - 124
cis-1,2-Dichloroethene	39.6	37.0		ug/m3		93	72 - 121
Chloroform	48.8	49.1		ug/m3		100	73 - 124
Tetrahydrofuran	29.5	33.1		ug/m3		112	60 - 149
1,1,1-Trichloroethane	54.6	54.1		ug/m3		99	72 - 127
Cyclohexane	34.4	33.3		ug/m3		97	76 - 124
Carbon tetrachloride	62.9	62.2		ug/m3		99	71 - 133
2,2,4-Trimethylpentane	46.7	48.7		ug/m3		104	68 - 131
Benzene	31.9	31.4		ug/m3		98	73 - 119
1,2-Dichloroethane	40.5	42.8		ug/m3		106	68 - 135
n-Heptane	41.0	44.5		ug/m3		109	60 - 142
Trichloroethene	53.7	51.7		ug/m3		96	73 - 122
Methyl methacrylate	40.9	43.3		ug/m3		106	73 - 129
1,2-Dichloropropane	46.2	47.3		ug/m3		102	69 - 128
1,4-Dioxane	36.0	38.1		ug/m3		106	66 - 129

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212533/3

Matrix: Air

Analysis Batch: 212533

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	67.0	68.4		ug/m3		102	75 - 127
cis-1,3-Dichloropropene	45.4	46.3		ug/m3		102	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	47.2		ug/m3		115	58 - 144
Toluene	37.7	35.3		ug/m3		94	75 - 122
trans-1,3-Dichloropropene	45.4	46.8		ug/m3		103	74 - 128
1,1,2-Trichloroethane	54.6	52.3		ug/m3		96	75 - 126
Tetrachloroethene	67.8	59.6		ug/m3		88	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	46.8		ug/m3		114	57 - 143
Dibromochloromethane	85.2	79.9		ug/m3		94	73 - 125
1,2-Dibromoethane	76.8	71.3		ug/m3		93	78 - 122
Chlorobenzene	46.0	42.7		ug/m3		93	76 - 119
Ethylbenzene	43.4	41.9		ug/m3		97	74 - 122
m,p-Xylene	86.8	82.2		ug/m3		95	76 - 121
o-Xylene	43.4	40.8		ug/m3		94	73 - 123
Styrene	42.6	41.4		ug/m3		97	74 - 125
Bromoform	103	94.4		ug/m3		91	53 - 149
Cumene	49.1	46.7		ug/m3		95	73 - 123
1,1,2,2-Tetrachloroethane	68.6	67.6		ug/m3		99	74 - 126
n-Propylbenzene	49.1	49.1		ug/m3		100	73 - 127
4-Ethyltoluene	49.2	48.2		ug/m3		98	75 - 129
1,3,5-Trimethylbenzene	49.2	47.1		ug/m3		96	72 - 126
2-Chlorotoluene	51.8	50.1		ug/m3		97	74 - 126
tert-Butylbenzene	54.9	51.2		ug/m3		93	71 - 125
1,2,4-Trimethylbenzene	49.2	47.5		ug/m3		97	71 - 129
sec-Butylbenzene	54.9	53.1		ug/m3		97	70 - 128
4-Isopropyltoluene	54.9	52.3		ug/m3		95	68 - 130
1,3-Dichlorobenzene	60.1	56.4		ug/m3		94	69 - 131
1,4-Dichlorobenzene	60.1	56.5		ug/m3		94	67 - 132
Benzyl chloride	51.8	54.8		ug/m3		106	60 - 136
n-Butylbenzene	54.9	57.0		ug/m3		104	65 - 137
1,2-Dichlorobenzene	60.1	56.0		ug/m3		93	68 - 129
1,2,4-Trichlorobenzene	74.2	78.4		ug/m3		106	50 - 150
Hexachlorobutadiene	107	101		ug/m3		95	58 - 130
Naphthalene	52.4	62.9		ug/m3		120	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	10.1		ppb v/v		101	61 - 142
Chlorodifluoromethane	10	10.9		ppb v/v		109	60 - 147
1,2-Dichlorotetrafluoroethane	10	8.96		ppb v/v		90	71 - 141
Chloromethane	10	10.8		ppb v/v		108	56 - 141
n-Butane	10	12.4		ppb v/v		124	53 - 151
Vinyl chloride	10	9.89		ppb v/v		99	61 - 135
1,3-Butadiene	10	10.4		ppb v/v		104	58 - 139
Bromomethane	10	9.28		ppb v/v		93	72 - 124
Chloroethane	10	10.2		ppb v/v		102	68 - 130
Bromoethene(Vinyl Bromide)	10	9.32		ppb v/v		93	75 - 125
Trichlorofluoromethane	10	9.85		ppb v/v		99	70 - 129

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212533/3

Matrix: Air

Analysis Batch: 212533

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane	10	9.50		ppb v/v		95	70 - 121
1,1-Dichloroethene	10	8.81		ppb v/v		88	68 - 120
Ethanol	15	16.7		ppb v/v		111	50 - 150
Acetone	10	11.1		ppb v/v		111	54 - 154
Isopropyl alcohol	10	13.4		ppb v/v		134	53 - 142
Carbon disulfide	10	9.96		ppb v/v		100	71 - 138
3-Chloropropene	10	11.4		ppb v/v		114	50 - 150
Methylene Chloride	10	10.8		ppb v/v		108	59 - 137
tert-Butyl alcohol	10	10.9		ppb v/v		109	66 - 132
Methyl tert-butyl ether	10	10.2		ppb v/v		102	70 - 127
trans-1,2-Dichloroethene	10	10.2		ppb v/v		102	69 - 137
n-Hexane	10	10.4		ppb v/v		104	63 - 138
1,1-Dichloroethane	10	10.2		ppb v/v		102	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	10.1		ppb v/v		101	72 - 124
cis-1,2-Dichloroethene	10	9.32		ppb v/v		93	72 - 121
Chloroform	10	10.0		ppb v/v		100	73 - 124
Tetrahydrofuran	10	11.2		ppb v/v		112	60 - 149
1,1,1-Trichloroethane	10	9.91		ppb v/v		99	72 - 127
Cyclohexane	10	9.67		ppb v/v		97	76 - 124
Carbon tetrachloride	10	9.89		ppb v/v		99	71 - 133
2,2,4-Trimethylpentane	10	10.4		ppb v/v		104	68 - 131
Benzene	10	9.82		ppb v/v		98	73 - 119
1,2-Dichloroethane	10	10.6		ppb v/v		106	68 - 135
n-Heptane	10	10.9		ppb v/v		109	60 - 142
Trichloroethene	10	9.62		ppb v/v		96	73 - 122
Methyl methacrylate	10	10.6		ppb v/v		106	73 - 129
1,2-Dichloropropane	10	10.2		ppb v/v		102	69 - 128
1,4-Dioxane	10	10.6		ppb v/v		106	66 - 129
Bromodichloromethane	10	10.2		ppb v/v		102	75 - 127
cis-1,3-Dichloropropene	10	10.2		ppb v/v		102	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	11.5		ppb v/v		115	58 - 144
Toluene	10	9.37		ppb v/v		94	75 - 122
trans-1,3-Dichloropropene	10	10.3		ppb v/v		103	74 - 128
1,1,2-Trichloroethane	10	9.59		ppb v/v		96	75 - 126
Tetrachloroethene	10	8.78		ppb v/v		88	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	11.4		ppb v/v		114	57 - 143
Dibromochloromethane	10	9.38		ppb v/v		94	73 - 125
1,2-Dibromoethane	10	9.28		ppb v/v		93	78 - 122
Chlorobenzene	10	9.27		ppb v/v		93	76 - 119
Ethylbenzene	10	9.65		ppb v/v		97	74 - 122
m,p-Xylene	20	18.9		ppb v/v		95	76 - 121
o-Xylene	10	9.40		ppb v/v		94	73 - 123
Styrene	10	9.71		ppb v/v		97	74 - 125
Bromoform	10	9.13		ppb v/v		91	53 - 149
Cumene	10	9.49		ppb v/v		95	73 - 123
1,1,2,2-Tetrachloroethane	10	9.85		ppb v/v		99	74 - 126

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212533/3
Matrix: Air
Analysis Batch: 212533

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Propylbenzene	10	9.98		ppb v/v		100	73 - 127
4-Ethyltoluene	10	9.79		ppb v/v		98	75 - 129
1,3,5-Trimethylbenzene	10	9.59		ppb v/v		96	72 - 126
2-Chlorotoluene	10	9.67		ppb v/v		97	74 - 126
tert-Butylbenzene	10	9.33		ppb v/v		93	71 - 125
1,2,4-Trimethylbenzene	10	9.66		ppb v/v		97	71 - 129
sec-Butylbenzene	10	9.67		ppb v/v		97	70 - 128
4-Isopropyltoluene	10	9.53		ppb v/v		95	68 - 130
1,3-Dichlorobenzene	10	9.38		ppb v/v		94	69 - 131
1,4-Dichlorobenzene	10	9.39		ppb v/v		94	67 - 132
Benzyl chloride	10	10.6		ppb v/v		106	60 - 136
n-Butylbenzene	10	10.4		ppb v/v		104	65 - 137
1,2-Dichlorobenzene	10	9.31		ppb v/v		93	68 - 129
1,2,4-Trichlorobenzene	10	10.6		ppb v/v		106	50 - 150
Hexachlorobutadiene	10	9.46		ppb v/v		95	58 - 130
Naphthalene	10	12.0		ppb v/v		120	50 - 150

Lab Sample ID: MB 200-212534/4
Matrix: Air
Analysis Batch: 212534

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			01/03/25 09:37	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/03/25 09:37	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/03/25 09:37	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/03/25 09:37	1
n-Butane	1.2	U	1.2	0.48	ug/m3			01/03/25 09:37	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/03/25 09:37	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/03/25 09:37	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/03/25 09:37	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/03/25 09:37	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/03/25 09:37	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			01/03/25 09:37	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			01/03/25 09:37	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/03/25 09:37	1
Ethanol	9.4	U	9.4	4.9	ug/m3			01/03/25 09:37	1
Acetone	12	U	12	3.8	ug/m3			01/03/25 09:37	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/03/25 09:37	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/03/25 09:37	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/03/25 09:37	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/03/25 09:37	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/03/25 09:37	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/03/25 09:37	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/03/25 09:37	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/03/25 09:37	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/03/25 09:37	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/03/25 09:37	1
cis-1,2-Dichloroethene	0.120	J	0.20	0.083	ug/m3			01/03/25 09:37	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/03/25 09:37	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212534/4
Matrix: Air
Analysis Batch: 212534

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/03/25 09:37	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/03/25 09:37	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/03/25 09:37	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			01/03/25 09:37	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/03/25 09:37	1
Benzene	0.64	U	0.64	0.14	ug/m3			01/03/25 09:37	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/03/25 09:37	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/03/25 09:37	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/03/25 09:37	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/03/25 09:37	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/03/25 09:37	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/03/25 09:37	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/03/25 09:37	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/03/25 09:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/03/25 09:37	1
Toluene	0.75	U	0.75	0.23	ug/m3			01/03/25 09:37	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/03/25 09:37	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/03/25 09:37	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/03/25 09:37	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/03/25 09:37	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/03/25 09:37	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/03/25 09:37	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/03/25 09:37	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/03/25 09:37	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/03/25 09:37	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/03/25 09:37	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/03/25 09:37	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/03/25 09:37	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/03/25 09:37	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/03/25 09:37	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/03/25 09:37	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/03/25 09:37	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/03/25 09:37	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/03/25 09:37	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/03/25 09:37	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/03/25 09:37	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/03/25 09:37	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/03/25 09:37	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/03/25 09:37	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/03/25 09:37	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/03/25 09:37	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/03/25 09:37	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/03/25 09:37	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/03/25 09:37	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/03/25 09:37	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/03/25 09:37	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			01/03/25 09:37	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/03/25 09:37	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/03/25 09:37	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/03/25 09:37	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			01/03/25 09:37	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/03/25 09:37	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/03/25 09:37	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/03/25 09:37	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/03/25 09:37	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/03/25 09:37	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			01/03/25 09:37	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			01/03/25 09:37	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/03/25 09:37	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			01/03/25 09:37	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/03/25 09:37	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/03/25 09:37	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/03/25 09:37	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/03/25 09:37	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/03/25 09:37	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/03/25 09:37	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/03/25 09:37	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/03/25 09:37	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/03/25 09:37	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/03/25 09:37	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/03/25 09:37	1
cis-1,2-Dichloroethene	0.0303	J	0.050	0.021	ppb v/v			01/03/25 09:37	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/03/25 09:37	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/03/25 09:37	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/03/25 09:37	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/03/25 09:37	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			01/03/25 09:37	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/03/25 09:37	1
Benzene	0.20	U	0.20	0.044	ppb v/v			01/03/25 09:37	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/03/25 09:37	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/03/25 09:37	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/03/25 09:37	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/03/25 09:37	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/03/25 09:37	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/03/25 09:37	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/03/25 09:37	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/03/25 09:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/03/25 09:37	1
Toluene	0.20	U	0.20	0.062	ppb v/v			01/03/25 09:37	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/03/25 09:37	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/03/25 09:37	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/03/25 09:37	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/03/25 09:37	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/03/25 09:37	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/03/25 09:37	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/03/25 09:37	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/03/25 09:37	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212534/4
Matrix: Air
Analysis Batch: 212534

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/03/25 09:37	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/03/25 09:37	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/03/25 09:37	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/03/25 09:37	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/03/25 09:37	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/03/25 09:37	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 09:37	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/03/25 09:37	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 09:37	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/03/25 09:37	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/03/25 09:37	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/03/25 09:37	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/03/25 09:37	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/03/25 09:37	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/03/25 09:37	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/03/25 09:37	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/03/25 09:37	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/03/25 09:37	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/03/25 09:37	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/03/25 09:37	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/03/25 09:37	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/03/25 09:37	1

Lab Sample ID: LCS 200-212534/3
Matrix: Air
Analysis Batch: 212534

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	56.5		ug/m3		114	61 - 142
Chlorodifluoromethane	35.4	39.8		ug/m3		113	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	81.4		ug/m3		116	71 - 141
Chloromethane	20.6	23.3		ug/m3		113	56 - 141
n-Butane	23.8	18.8		ug/m3		79	53 - 151
Vinyl chloride	25.6	19.6		ug/m3		77	61 - 135
1,3-Butadiene	22.1	15.7		ug/m3		71	58 - 139
Bromomethane	38.8	43.9		ug/m3		113	72 - 124
Chloroethane	26.4	28.8		ug/m3		109	68 - 130
Bromoethene(Vinyl Bromide)	43.7	49.6		ug/m3		113	75 - 125
Trichlorofluoromethane	56.2	58.7		ug/m3		104	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	72.6		ug/m3		95	70 - 121
1,1-Dichloroethene	39.6	39.3		ug/m3		99	68 - 120
Ethanol	28.3	26.0		ug/m3		92	50 - 150
Acetone	23.7	19.8		ug/m3		84	54 - 154
Isopropyl alcohol	24.6	23.1		ug/m3		94	53 - 142
Carbon disulfide	31.1	28.7		ug/m3		92	71 - 138
3-Chloropropene	31.3	20.8		ug/m3		67	50 - 150
Methylene Chloride	34.7	29.1		ug/m3		84	59 - 137
tert-Butyl alcohol	30.3	26.0		ug/m3		86	66 - 132
Methyl tert-butyl ether	36.0	33.4		ug/m3		93	70 - 127

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212534/3

Matrix: Air

Analysis Batch: 212534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	39.6	35.5		ug/m3		90	69 - 137
n-Hexane	35.2	31.8		ug/m3		90	63 - 138
1,1-Dichloroethane	40.5	34.8		ug/m3		86	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	25.5		ug/m3		86	72 - 124
cis-1,2-Dichloroethene	39.6	36.7		ug/m3		93	72 - 121
Chloroform	48.8	43.2		ug/m3		89	73 - 124
Tetrahydrofuran	29.5	24.4		ug/m3		83	60 - 149
1,1,1-Trichloroethane	54.6	50.2		ug/m3		92	72 - 127
Cyclohexane	34.4	32.8		ug/m3		95	76 - 124
Carbon tetrachloride	62.9	59.8		ug/m3		95	71 - 133
2,2,4-Trimethylpentane	46.7	43.1		ug/m3		92	68 - 131
Benzene	31.9	29.6		ug/m3		93	73 - 119
1,2-Dichloroethane	40.5	34.3		ug/m3		85	68 - 135
n-Heptane	41.0	36.9		ug/m3		90	60 - 142
Trichloroethene	53.7	50.7		ug/m3		94	73 - 122
Methyl methacrylate	40.9	36.8		ug/m3		90	73 - 129
1,2-Dichloropropane	46.2	41.1		ug/m3		89	69 - 128
1,4-Dioxane	36.0	29.1		ug/m3		81	66 - 129
Bromodichloromethane	67.0	59.9		ug/m3		89	75 - 127
cis-1,3-Dichloropropene	45.4	42.2		ug/m3		93	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	35.8		ug/m3		87	58 - 144
Toluene	37.7	36.7		ug/m3		97	75 - 122
trans-1,3-Dichloropropene	45.4	44.6		ug/m3		98	74 - 128
1,1,2-Trichloroethane	54.6	50.7		ug/m3		93	75 - 126
Tetrachloroethene	67.8	71.8		ug/m3		106	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	36.3		ug/m3		89	57 - 143
Dibromochloromethane	85.2	77.2		ug/m3		91	73 - 125
1,2-Dibromoethane	76.8	72.8		ug/m3		95	78 - 122
Chlorobenzene	46.0	44.5		ug/m3		97	76 - 119
Ethylbenzene	43.4	41.7		ug/m3		96	74 - 122
m,p-Xylene	86.8	86.2		ug/m3		99	76 - 121
o-Xylene	43.4	44.2		ug/m3		102	73 - 123
Styrene	42.6	43.2		ug/m3		101	74 - 125
Bromoform	103	82.7		ug/m3		80	53 - 149
Cumene	49.1	49.7		ug/m3		101	73 - 123
1,1,2,2-Tetrachloroethane	68.6	61.9		ug/m3		90	74 - 126
n-Propylbenzene	49.1	47.9		ug/m3		98	73 - 127
4-Ethyltoluene	49.2	49.9		ug/m3		102	75 - 129
1,3,5-Trimethylbenzene	49.2	48.9		ug/m3		100	72 - 126
2-Chlorotoluene	51.8	48.6		ug/m3		94	74 - 126
tert-Butylbenzene	54.9	55.8		ug/m3		102	71 - 125
1,2,4-Trimethylbenzene	49.2	49.4		ug/m3		101	71 - 129
sec-Butylbenzene	54.9	55.2		ug/m3		101	70 - 128
4-Isopropyltoluene	54.9	55.6		ug/m3		101	68 - 130
1,3-Dichlorobenzene	60.1	60.2		ug/m3		100	69 - 131
1,4-Dichlorobenzene	60.1	60.2		ug/m3		100	67 - 132

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212534/3

Matrix: Air

Analysis Batch: 212534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzyl chloride	51.8	48.8		ug/m3		94	60 - 136
n-Butylbenzene	54.9	53.6		ug/m3		98	65 - 137
1,2-Dichlorobenzene	60.1	59.5		ug/m3		99	68 - 129
1,2,4-Trichlorobenzene	74.2	81.5		ug/m3		110	50 - 150
Hexachlorobutadiene	107	127		ug/m3		119	58 - 130
Naphthalene	52.4	55.7		ug/m3		106	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	11.4		ppb v/v		114	61 - 142
Chlorodifluoromethane	10	11.3		ppb v/v		113	60 - 147
1,2-Dichlorotetrafluoroethane	10	11.6		ppb v/v		116	71 - 141
Chloromethane	10	11.3		ppb v/v		113	56 - 141
n-Butane	10	7.89		ppb v/v		79	53 - 151
Vinyl chloride	10	7.66		ppb v/v		77	61 - 135
1,3-Butadiene	10	7.11		ppb v/v		71	58 - 139
Bromomethane	10	11.3		ppb v/v		113	72 - 124
Chloroethane	10	10.9		ppb v/v		109	68 - 130
Bromoethene(Vinyl Bromide)	10	11.3		ppb v/v		113	75 - 125
Trichlorofluoromethane	10	10.4		ppb v/v		104	70 - 129
1,1,2-Trichlorotrifluoroethane	10	9.47		ppb v/v		95	70 - 121
1,1-Dichloroethene	10	9.92		ppb v/v		99	68 - 120
Ethanol	15	13.8		ppb v/v		92	50 - 150
Acetone	10	8.35		ppb v/v		84	54 - 154
Isopropyl alcohol	10	9.41		ppb v/v		94	53 - 142
Carbon disulfide	10	9.23		ppb v/v		92	71 - 138
3-Chloropropene	10	6.65		ppb v/v		67	50 - 150
Methylene Chloride	10	8.37		ppb v/v		84	59 - 137
tert-Butyl alcohol	10	8.57		ppb v/v		86	66 - 132
Methyl tert-butyl ether	10	9.27		ppb v/v		93	70 - 127
trans-1,2-Dichloroethene	10	8.95		ppb v/v		90	69 - 137
n-Hexane	10	9.02		ppb v/v		90	63 - 138
1,1-Dichloroethane	10	8.59		ppb v/v		86	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	8.63		ppb v/v		86	72 - 124
cis-1,2-Dichloroethene	10	9.25		ppb v/v		93	72 - 121
Chloroform	10	8.85		ppb v/v		89	73 - 124
Tetrahydrofuran	10	8.26		ppb v/v		83	60 - 149
1,1,1-Trichloroethane	10	9.20		ppb v/v		92	72 - 127
Cyclohexane	10	9.52		ppb v/v		95	76 - 124
Carbon tetrachloride	10	9.50		ppb v/v		95	71 - 133
2,2,4-Trimethylpentane	10	9.21		ppb v/v		92	68 - 131
Benzene	10	9.27		ppb v/v		93	73 - 119
1,2-Dichloroethane	10	8.47		ppb v/v		85	68 - 135
n-Heptane	10	9.01		ppb v/v		90	60 - 142
Trichloroethene	10	9.44		ppb v/v		94	73 - 122
Methyl methacrylate	10	8.98		ppb v/v		90	73 - 129
1,2-Dichloropropane	10	8.90		ppb v/v		89	69 - 128
1,4-Dioxane	10	8.08		ppb v/v		81	66 - 129
Bromodichloromethane	10	8.94		ppb v/v		89	75 - 127

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212534/3
Matrix: Air
Analysis Batch: 212534

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	10	9.29		ppb v/v		93	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	8.73		ppb v/v		87	58 - 144
Toluene	10	9.73		ppb v/v		97	75 - 122
trans-1,3-Dichloropropene	10	9.82		ppb v/v		98	74 - 128
1,1,2-Trichloroethane	10	9.29		ppb v/v		93	75 - 126
Tetrachloroethene	10	10.6		ppb v/v		106	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	8.87		ppb v/v		89	57 - 143
Dibromochloromethane	10	9.06		ppb v/v		91	73 - 125
1,2-Dibromoethane	10	9.48		ppb v/v		95	78 - 122
Chlorobenzene	10	9.67		ppb v/v		97	76 - 119
Ethylbenzene	10	9.59		ppb v/v		96	74 - 122
m,p-Xylene	20	19.9		ppb v/v		99	76 - 121
o-Xylene	10	10.2		ppb v/v		102	73 - 123
Styrene	10	10.1		ppb v/v		101	74 - 125
Bromoform	10	8.00		ppb v/v		80	53 - 149
Cumene	10	10.1		ppb v/v		101	73 - 123
1,1,2,2-Tetrachloroethane	10	9.02		ppb v/v		90	74 - 126
n-Propylbenzene	10	9.75		ppb v/v		98	73 - 127
4-Ethyltoluene	10	10.2		ppb v/v		102	75 - 129
1,3,5-Trimethylbenzene	10	9.96		ppb v/v		100	72 - 126
2-Chlorotoluene	10	9.39		ppb v/v		94	74 - 126
tert-Butylbenzene	10	10.2		ppb v/v		102	71 - 125
1,2,4-Trimethylbenzene	10	10.0		ppb v/v		101	71 - 129
sec-Butylbenzene	10	10.1		ppb v/v		101	70 - 128
4-Isopropyltoluene	10	10.1		ppb v/v		101	68 - 130
1,3-Dichlorobenzene	10	10.0		ppb v/v		100	69 - 131
1,4-Dichlorobenzene	10	10.0		ppb v/v		100	67 - 132
Benzyl chloride	10	9.42		ppb v/v		94	60 - 136
n-Butylbenzene	10	9.77		ppb v/v		98	65 - 137
1,2-Dichlorobenzene	10	9.89		ppb v/v		99	68 - 129
1,2,4-Trichlorobenzene	10	11.0		ppb v/v		110	50 - 150
Hexachlorobutadiene	10	11.9		ppb v/v		119	58 - 130
Naphthalene	10	10.6		ppb v/v		106	50 - 150

Lab Sample ID: 200-76392-5 DU
Matrix: Air
Analysis Batch: 212534

Client Sample ID: SV122024KT005
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	2.3	J	2.32	J	ug/m3		2	25
Chlorodifluoromethane	0.91	J	0.948	J	ug/m3		5	25
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	U	ug/m3		NC	25
Chloromethane	3.8		3.94		ug/m3		3	25
n-Butane	0.84	J	0.829	J	ug/m3		0.8	25
Vinyl chloride	0.20	U	0.20	U	ug/m3		NC	25
1,3-Butadiene	0.44	U	0.44	U	ug/m3		NC	25
Bromomethane	0.78	U	0.78	U	ug/m3		NC	25

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: 200-76392-5 DU

Matrix: Air

Analysis Batch: 212534

Client Sample ID: SV122024KT005

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloroethane	1.3	U	1.3	U	ug/m3		NC	25
Bromoethene(Vinyl Bromide)	0.87	U	0.87	U	ug/m3		NC	25
Trichlorofluoromethane	1.5		1.44		ug/m3		2	25
1,1,2-Trichlorotrifluoroethane	0.57	J	0.574	J	ug/m3		1	25
1,1-Dichloroethene	0.20	U	0.20	U	ug/m3		NC	25
Ethanol	17		17.2		ug/m3		2	25
Acetone	31		31.7		ug/m3		2	25
Isopropyl alcohol	3.9	J	4.11	J	ug/m3		4	25
Carbon disulfide	17		17.0		ug/m3		1	25
3-Chloropropene	1.6	U	1.6	U	ug/m3		NC	25
Methylene Chloride	1.7	U	1.7	U	ug/m3		NC	25
tert-Butyl alcohol	15	U	15	U	ug/m3		NC	25
Methyl tert-butyl ether	0.72	U	0.72	U	ug/m3		NC	25
trans-1,2-Dichloroethene	0.79	U	0.79	U	ug/m3		NC	25
n-Hexane	0.81	J	0.818	J	ug/m3		0.7	25
1,1-Dichloroethane	0.81	U	0.81	U	ug/m3		NC	25
Methyl Ethyl Ketone (2-Butanone)	8.1		8.25		ug/m3		2	25
cis-1,2-Dichloroethene	0.20	U	0.20	U	ug/m3		NC	25
Chloroform	0.98	U	0.98	U	ug/m3		NC	25
Tetrahydrofuran	15	U	15	U	ug/m3		NC	25
1,1,1-Trichloroethane	0.34	J	0.363	J	ug/m3		5	25
Cyclohexane	0.36	J	0.377	J	ug/m3		6	25
Carbon tetrachloride	0.37		0.377		ug/m3		2	25
2,2,4-Trimethylpentane	1.9		1.92		ug/m3		3	25
Benzene	34		34.2		ug/m3		2	25
1,2-Dichloroethane	0.81	U	0.81	U	ug/m3		NC	25
n-Heptane	1.2		1.22		ug/m3		2	25
Trichloroethene	1.3		1.30		ug/m3		0.2	25
Methyl methacrylate	2.0	U	2.0	U	ug/m3		NC	25
1,2-Dichloropropane	0.92	U	0.92	U	ug/m3		NC	25
1,4-Dioxane	18	U	18	U	ug/m3		NC	25
Bromodichloromethane	1.3	U	1.3	U	ug/m3		NC	25
cis-1,3-Dichloropropene	0.91	U	0.91	U	ug/m3		NC	25
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.90	J	0.934	J	ug/m3		4	25
Toluene	8.0		8.13		ug/m3		2	25
trans-1,3-Dichloropropene	0.91	U	0.91	U	ug/m3		NC	25
1,1,2-Trichloroethane	1.1	U	1.1	U	ug/m3		NC	25
Tetrachloroethene	460	E	463	E	ug/m3		0.7	25
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	U	ug/m3		NC	25
Dibromochloromethane	1.7	U	1.7	U	ug/m3		NC	25
1,2-Dibromoethane	1.5	U	1.5	U	ug/m3		NC	25
Chlorobenzene	0.92	U	0.92	U	ug/m3		NC	25
Ethylbenzene	2.3		2.31		ug/m3		2	25
m,p-Xylene	8.1		8.16		ug/m3		1	25
o-Xylene	3.4		3.50		ug/m3		2	25
Styrene	0.85	U	0.85	U	ug/m3		NC	25

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: 200-76392-5 DU

Matrix: Air

Analysis Batch: 212534

Client Sample ID: SV122024KT005

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bromoform	2.1	U	2.1	U	ug/m3		NC	25
Cumene	3.3		3.35		ug/m3		2	25
1,1,2,2-Tetrachloroethane	1.4	U	1.4	U	ug/m3		NC	25
n-Propylbenzene	0.76	J	0.775	J	ug/m3		2	25
4-Ethyltoluene	1.1		1.11		ug/m3		1	25
1,3,5-Trimethylbenzene	1.1		1.07		ug/m3		0.8	25
2-Chlorotoluene	1.0	U	1.0	U	ug/m3		NC	25
tert-Butylbenzene	1.1	U	1.1	U	ug/m3		NC	25
1,2,4-Trimethylbenzene	4.3		4.36		ug/m3		1	25
sec-Butylbenzene	1.1	U	1.1	U	ug/m3		NC	25
4-Isopropyltoluene	0.66	J	0.677	J	ug/m3		3	25
1,3-Dichlorobenzene	1.2	U	1.2	U	ug/m3		NC	25
1,4-Dichlorobenzene	1.2	U	1.2	U	ug/m3		NC	25
Benzyl chloride	1.0	U	1.0	U	ug/m3		NC	25
n-Butylbenzene	1.1	U	1.1	U	ug/m3		NC	25
1,2-Dichlorobenzene	1.2	U	1.2	U	ug/m3		NC	25
1,2,4-Trichlorobenzene	3.7	U	3.7	U	ug/m3		NC	25
Hexachlorobutadiene	2.1	U	2.1	U	ug/m3		NC	25
Naphthalene	2.6	U	2.6	U	ug/m3		NC	25
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	0.46	J	0.470	J	ppb v/v		2	25
Chlorodifluoromethane	0.26	J	0.268	J	ppb v/v		5	25
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	U	ppb v/v		NC	25
Chloromethane	1.8		1.91		ppb v/v		3	25
n-Butane	0.35	J	0.349	J	ppb v/v		0.8	25
Vinyl chloride	0.078	U	0.078	U	ppb v/v		NC	25
1,3-Butadiene	0.20	U	0.20	U	ppb v/v		NC	25
Bromomethane	0.20	U	0.20	U	ppb v/v		NC	25
Chloroethane	0.50	U	0.50	U	ppb v/v		NC	25
Bromoethene(Vinyl Bromide)	0.20	U	0.20	U	ppb v/v		NC	25
Trichlorofluoromethane	0.26		0.257		ppb v/v		2	25
1,1,2-Trichlorotrifluoroethane	0.074	J	0.0749	J	ppb v/v		1	25
1,1-Dichloroethene	0.050	U	0.050	U	ppb v/v		NC	25
Ethanol	8.9		9.12		ppb v/v		2	25
Acetone	13		13.4		ppb v/v		2	25
Isopropyl alcohol	1.6	J	1.67	J	ppb v/v		4	25
Carbon disulfide	5.4		5.46		ppb v/v		1	25
3-Chloropropene	0.50	U	0.50	U	ppb v/v		NC	25
Methylene Chloride	0.50	U	0.50	U	ppb v/v		NC	25
tert-Butyl alcohol	5.0	U	5.0	U	ppb v/v		NC	25
Methyl tert-butyl ether	0.20	U	0.20	U	ppb v/v		NC	25
trans-1,2-Dichloroethene	0.20	U	0.20	U	ppb v/v		NC	25
n-Hexane	0.23	J	0.232	J	ppb v/v		0.7	25
1,1-Dichloroethane	0.20	U	0.20	U	ppb v/v		NC	25
Methyl Ethyl Ketone (2-Butanone)	2.7		2.80		ppb v/v		2	25
cis-1,2-Dichloroethene	0.050	U	0.050	U	ppb v/v		NC	25
Chloroform	0.20	U	0.20	U	ppb v/v		NC	25

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: 200-76392-5 DU

Matrix: Air

Analysis Batch: 212534

Client Sample ID: SV122024KT005

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Tetrahydrofuran	5.0	U	5.0	U	ppb v/v		NC	25
1,1,1-Trichloroethane	0.063	J	0.0666	J	ppb v/v		5	25
Cyclohexane	0.10	J	0.109	J	ppb v/v		6	25
Carbon tetrachloride	0.059		0.0599		ppb v/v		2	25
2,2,4-Trimethylpentane	0.40		0.412		ppb v/v		3	25
Benzene	10		10.7		ppb v/v		2	25
1,2-Dichloroethane	0.20	U	0.20	U	ppb v/v		NC	25
n-Heptane	0.29		0.299		ppb v/v		2	25
Trichloroethene	0.24		0.242		ppb v/v		0.2	25
Methyl methacrylate	0.50	U	0.50	U	ppb v/v		NC	25
1,2-Dichloropropane	0.20	U	0.20	U	ppb v/v		NC	25
1,4-Dioxane	5.0	U	5.0	U	ppb v/v		NC	25
Bromodichloromethane	0.20	U	0.20	U	ppb v/v		NC	25
cis-1,3-Dichloropropene	0.20	U	0.20	U	ppb v/v		NC	25
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.22	J	0.228	J	ppb v/v		4	25
Toluene	2.1		2.16		ppb v/v		2	25
trans-1,3-Dichloropropene	0.20	U	0.20	U	ppb v/v		NC	25
1,1,2-Trichloroethane	0.20	U	0.20	U	ppb v/v		NC	25
Tetrachloroethene	68	E	68.3	E	ppb v/v		0.7	25
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	U	ppb v/v		NC	25
Dibromochloromethane	0.20	U	0.20	U	ppb v/v		NC	25
1,2-Dibromoethane	0.20	U	0.20	U	ppb v/v		NC	25
Chlorobenzene	0.20	U	0.20	U	ppb v/v		NC	25
Ethylbenzene	0.52		0.533		ppb v/v		2	25
m,p-Xylene	1.9		1.88		ppb v/v		1	25
o-Xylene	0.79		0.807		ppb v/v		2	25
Styrene	0.20	U	0.20	U	ppb v/v		NC	25
Bromoform	0.20	U	0.20	U	ppb v/v		NC	25
Cumene	0.67		0.681		ppb v/v		2	25
1,1,2,2-Tetrachloroethane	0.20	U	0.20	U	ppb v/v		NC	25
n-Propylbenzene	0.15	J	0.158	J	ppb v/v		2	25
4-Ethyltoluene	0.22		0.226		ppb v/v		1	25
1,3,5-Trimethylbenzene	0.22		0.218		ppb v/v		0.8	25
2-Chlorotoluene	0.20	U	0.20	U	ppb v/v		NC	25
tert-Butylbenzene	0.20	U	0.20	U	ppb v/v		NC	25
1,2,4-Trimethylbenzene	0.88		0.886		ppb v/v		1	25
sec-Butylbenzene	0.20	U	0.20	U	ppb v/v		NC	25
4-Isopropyltoluene	0.12	J	0.123	J	ppb v/v		3	25
1,3-Dichlorobenzene	0.20	U	0.20	U	ppb v/v		NC	25
1,4-Dichlorobenzene	0.20	U	0.20	U	ppb v/v		NC	25
Benzyl chloride	0.20	U	0.20	U	ppb v/v		NC	25
n-Butylbenzene	0.20	U	0.20	U	ppb v/v		NC	25
1,2-Dichlorobenzene	0.20	U	0.20	U	ppb v/v		NC	25
1,2,4-Trichlorobenzene	0.50	U	0.50	U	ppb v/v		NC	25
Hexachlorobutadiene	0.20	U	0.20	U	ppb v/v		NC	25
Naphthalene	0.50	U	0.50	U	ppb v/v		NC	25

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212559/4
Matrix: Air
Analysis Batch: 212559

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			01/04/25 11:21	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/04/25 11:21	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/04/25 11:21	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/04/25 11:21	1
n-Butane	1.2	U	1.2	0.48	ug/m3			01/04/25 11:21	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/04/25 11:21	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/04/25 11:21	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/04/25 11:21	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/04/25 11:21	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/04/25 11:21	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			01/04/25 11:21	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			01/04/25 11:21	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/04/25 11:21	1
Ethanol	9.4	U	9.4	4.9	ug/m3			01/04/25 11:21	1
Acetone	12	U	12	3.8	ug/m3			01/04/25 11:21	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/04/25 11:21	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/04/25 11:21	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/04/25 11:21	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/04/25 11:21	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/04/25 11:21	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/04/25 11:21	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/04/25 11:21	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/04/25 11:21	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/04/25 11:21	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/04/25 11:21	1
cis-1,2-Dichloroethene	0.118	J	0.20	0.083	ug/m3			01/04/25 11:21	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/04/25 11:21	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/04/25 11:21	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/04/25 11:21	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/04/25 11:21	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			01/04/25 11:21	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/04/25 11:21	1
Benzene	0.64	U	0.64	0.14	ug/m3			01/04/25 11:21	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/04/25 11:21	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/04/25 11:21	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/04/25 11:21	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/04/25 11:21	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/04/25 11:21	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/04/25 11:21	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/04/25 11:21	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/04/25 11:21	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/04/25 11:21	1
Toluene	0.75	U	0.75	0.23	ug/m3			01/04/25 11:21	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/04/25 11:21	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/04/25 11:21	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/04/25 11:21	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/04/25 11:21	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/04/25 11:21	1

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212559/4
Matrix: Air
Analysis Batch: 212559

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/04/25 11:21	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/04/25 11:21	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/04/25 11:21	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/04/25 11:21	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/04/25 11:21	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/04/25 11:21	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/04/25 11:21	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/04/25 11:21	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/04/25 11:21	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/04/25 11:21	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/04/25 11:21	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/04/25 11:21	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/04/25 11:21	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/04/25 11:21	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/04/25 11:21	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/04/25 11:21	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/04/25 11:21	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/04/25 11:21	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/04/25 11:21	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/04/25 11:21	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/04/25 11:21	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/04/25 11:21	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/04/25 11:21	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/04/25 11:21	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/04/25 11:21	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			01/04/25 11:21	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/04/25 11:21	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/04/25 11:21	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/04/25 11:21	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			01/04/25 11:21	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/04/25 11:21	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/04/25 11:21	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/04/25 11:21	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/04/25 11:21	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/04/25 11:21	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			01/04/25 11:21	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			01/04/25 11:21	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/04/25 11:21	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			01/04/25 11:21	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/04/25 11:21	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/04/25 11:21	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/04/25 11:21	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/04/25 11:21	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/04/25 11:21	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/04/25 11:21	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/04/25 11:21	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/04/25 11:21	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212559/4
Matrix: Air
Analysis Batch: 212559

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/04/25 11:21	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/04/25 11:21	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/04/25 11:21	1
cis-1,2-Dichloroethene	0.0297	J	0.050	0.021	ppb v/v			01/04/25 11:21	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/04/25 11:21	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/04/25 11:21	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/04/25 11:21	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/04/25 11:21	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			01/04/25 11:21	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/04/25 11:21	1
Benzene	0.20	U	0.20	0.044	ppb v/v			01/04/25 11:21	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/04/25 11:21	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/04/25 11:21	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/04/25 11:21	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/04/25 11:21	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/04/25 11:21	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/04/25 11:21	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/04/25 11:21	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/04/25 11:21	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/04/25 11:21	1
Toluene	0.20	U	0.20	0.062	ppb v/v			01/04/25 11:21	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/04/25 11:21	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/04/25 11:21	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/04/25 11:21	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/04/25 11:21	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/04/25 11:21	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/04/25 11:21	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/04/25 11:21	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/04/25 11:21	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/04/25 11:21	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/04/25 11:21	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/04/25 11:21	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/04/25 11:21	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/04/25 11:21	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/04/25 11:21	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 11:21	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/04/25 11:21	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 11:21	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/04/25 11:21	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/04/25 11:21	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/04/25 11:21	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/04/25 11:21	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/04/25 11:21	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/04/25 11:21	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/04/25 11:21	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/04/25 11:21	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/04/25 11:21	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/04/25 11:21	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212559/4

Matrix: Air

Analysis Batch: 212559

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/04/25 11:21	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/04/25 11:21	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/04/25 11:21	1

Lab Sample ID: LCS 200-212559/3

Matrix: Air

Analysis Batch: 212559

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	52.4		ug/m3		106	61 - 142
Chlorodifluoromethane	35.4	38.5		ug/m3		109	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	76.4		ug/m3		109	71 - 141
Chloromethane	20.6	22.9		ug/m3		111	56 - 141
n-Butane	23.8	23.1		ug/m3		97	53 - 151
Vinyl chloride	25.6	23.3		ug/m3		91	61 - 135
1,3-Butadiene	22.1	19.2		ug/m3		87	58 - 139
Bromomethane	38.8	42.1		ug/m3		108	72 - 124
Chloroethane	26.4	28.7		ug/m3		109	68 - 130
Bromoethene(Vinyl Bromide)	43.7	47.9		ug/m3		109	75 - 125
Trichlorofluoromethane	56.2	58.3		ug/m3		104	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	73.9		ug/m3		97	70 - 121
1,1-Dichloroethene	39.6	39.8		ug/m3		100	68 - 120
Ethanol	28.3	27.9		ug/m3		99	50 - 150
Acetone	23.7	23.1		ug/m3		97	54 - 154
Isopropyl alcohol	24.6	26.3		ug/m3		107	53 - 142
Carbon disulfide	31.1	30.4		ug/m3		98	71 - 138
3-Chloropropene	31.3	24.1		ug/m3		77	50 - 150
Methylene Chloride	34.7	33.8		ug/m3		97	59 - 137
tert-Butyl alcohol	30.3	28.6		ug/m3		94	66 - 132
Methyl tert-butyl ether	36.0	36.0		ug/m3		100	70 - 127
trans-1,2-Dichloroethene	39.6	39.8		ug/m3		100	69 - 137
n-Hexane	35.2	35.6		ug/m3		101	63 - 138
1,1-Dichloroethane	40.5	38.9		ug/m3		96	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	27.6		ug/m3		94	72 - 124
cis-1,2-Dichloroethene	39.6	38.6		ug/m3		97	72 - 121
Chloroform	48.8	47.0		ug/m3		96	73 - 124
Tetrahydrofuran	29.5	28.5		ug/m3		97	60 - 149
1,1,1-Trichloroethane	54.6	53.5		ug/m3		98	72 - 127
Cyclohexane	34.4	34.4		ug/m3		100	76 - 124
Carbon tetrachloride	62.9	62.7		ug/m3		100	71 - 133
2,2,4-Trimethylpentane	46.7	48.3		ug/m3		103	68 - 131
Benzene	31.9	31.6		ug/m3		99	73 - 119
1,2-Dichloroethane	40.5	38.5		ug/m3		95	68 - 135
n-Heptane	41.0	43.3		ug/m3		106	60 - 142
Trichloroethene	53.7	53.2		ug/m3		99	73 - 122
Methyl methacrylate	40.9	40.0		ug/m3		98	73 - 129
1,2-Dichloropropane	46.2	45.8		ug/m3		99	69 - 128
1,4-Dioxane	36.0	30.6		ug/m3		85	66 - 129

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212559/3

Matrix: Air

Analysis Batch: 212559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	67.0	64.9		ug/m3		97	75 - 127
cis-1,3-Dichloropropene	45.4	45.2		ug/m3		100	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	41.7		ug/m3		102	58 - 144
Toluene	37.7	38.6		ug/m3		102	75 - 122
trans-1,3-Dichloropropene	45.4	48.2		ug/m3		106	74 - 128
1,1,2-Trichloroethane	54.6	54.1		ug/m3		99	75 - 126
Tetrachloroethene	67.8	71.7		ug/m3		106	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	42.5		ug/m3		104	57 - 143
Dibromochloromethane	85.2	79.9		ug/m3		94	73 - 125
1,2-Dibromoethane	76.8	76.0		ug/m3		99	78 - 122
Chlorobenzene	46.0	45.8		ug/m3		100	76 - 119
Ethylbenzene	43.4	44.0		ug/m3		101	74 - 122
m,p-Xylene	86.8	90.2		ug/m3		104	76 - 121
o-Xylene	43.4	46.0		ug/m3		106	73 - 123
Styrene	42.6	44.9		ug/m3		106	74 - 125
Bromoform	103	83.3		ug/m3		81	53 - 149
Cumene	49.1	51.8		ug/m3		105	73 - 123
1,1,2,2-Tetrachloroethane	68.6	66.6		ug/m3		97	74 - 126
n-Propylbenzene	49.1	50.8		ug/m3		103	73 - 127
4-Ethyltoluene	49.2	52.4		ug/m3		107	75 - 129
1,3,5-Trimethylbenzene	49.2	51.4		ug/m3		105	72 - 126
2-Chlorotoluene	51.8	51.7		ug/m3		100	74 - 126
tert-Butylbenzene	54.9	57.7		ug/m3		105	71 - 125
1,2,4-Trimethylbenzene	49.2	51.6		ug/m3		105	71 - 129
sec-Butylbenzene	54.9	58.2		ug/m3		106	70 - 128
4-Isopropyltoluene	54.9	58.1		ug/m3		106	68 - 130
1,3-Dichlorobenzene	60.1	61.5		ug/m3		102	69 - 131
1,4-Dichlorobenzene	60.1	62.1		ug/m3		103	67 - 132
Benzyl chloride	51.8	51.4		ug/m3		99	60 - 136
n-Butylbenzene	54.9	57.5		ug/m3		105	65 - 137
1,2-Dichlorobenzene	60.1	61.3		ug/m3		102	68 - 129
1,2,4-Trichlorobenzene	74.2	80.7		ug/m3		109	50 - 150
Hexachlorobutadiene	107	125		ug/m3		117	58 - 130
Naphthalene	52.4	56.6		ug/m3		108	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	10.6		ppb v/v		106	61 - 142
Chlorodifluoromethane	10	10.9		ppb v/v		109	60 - 147
1,2-Dichlorotetrafluoroethane	10	10.9		ppb v/v		109	71 - 141
Chloromethane	10	11.1		ppb v/v		111	56 - 141
n-Butane	10	9.70		ppb v/v		97	53 - 151
Vinyl chloride	10	9.11		ppb v/v		91	61 - 135
1,3-Butadiene	10	8.68		ppb v/v		87	58 - 139
Bromomethane	10	10.8		ppb v/v		108	72 - 124
Chloroethane	10	10.9		ppb v/v		109	68 - 130
Bromoethene(Vinyl Bromide)	10	10.9		ppb v/v		109	75 - 125
Trichlorofluoromethane	10	10.4		ppb v/v		104	70 - 129

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212559/3

Matrix: Air

Analysis Batch: 212559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane	10	9.65		ppb v/v		97	70 - 121
1,1-Dichloroethene	10	10.0		ppb v/v		100	68 - 120
Ethanol	15	14.8		ppb v/v		99	50 - 150
Acetone	10	9.73		ppb v/v		97	54 - 154
Isopropyl alcohol	10	10.7		ppb v/v		107	53 - 142
Carbon disulfide	10	9.77		ppb v/v		98	71 - 138
3-Chloropropene	10	7.70		ppb v/v		77	50 - 150
Methylene Chloride	10	9.74		ppb v/v		97	59 - 137
tert-Butyl alcohol	10	9.42		ppb v/v		94	66 - 132
Methyl tert-butyl ether	10	9.99		ppb v/v		100	70 - 127
trans-1,2-Dichloroethene	10	10.0		ppb v/v		100	69 - 137
n-Hexane	10	10.1		ppb v/v		101	63 - 138
1,1-Dichloroethane	10	9.62		ppb v/v		96	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.35		ppb v/v		94	72 - 124
cis-1,2-Dichloroethene	10	9.73		ppb v/v		97	72 - 121
Chloroform	10	9.63		ppb v/v		96	73 - 124
Tetrahydrofuran	10	9.68		ppb v/v		97	60 - 149
1,1,1-Trichloroethane	10	9.81		ppb v/v		98	72 - 127
Cyclohexane	10	10.0		ppb v/v		100	76 - 124
Carbon tetrachloride	10	9.96		ppb v/v		100	71 - 133
2,2,4-Trimethylpentane	10	10.3		ppb v/v		103	68 - 131
Benzene	10	9.88		ppb v/v		99	73 - 119
1,2-Dichloroethane	10	9.50		ppb v/v		95	68 - 135
n-Heptane	10	10.6		ppb v/v		106	60 - 142
Trichloroethene	10	9.90		ppb v/v		99	73 - 122
Methyl methacrylate	10	9.78		ppb v/v		98	73 - 129
1,2-Dichloropropane	10	9.91		ppb v/v		99	69 - 128
1,4-Dioxane	10	8.48		ppb v/v		85	66 - 129
Bromodichloromethane	10	9.69		ppb v/v		97	75 - 127
cis-1,3-Dichloropropene	10	9.95		ppb v/v		100	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	10.2		ppb v/v		102	58 - 144
Toluene	10	10.2		ppb v/v		102	75 - 122
trans-1,3-Dichloropropene	10	10.6		ppb v/v		106	74 - 128
1,1,2-Trichloroethane	10	9.92		ppb v/v		99	75 - 126
Tetrachloroethene	10	10.6		ppb v/v		106	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	10.4		ppb v/v		104	57 - 143
Dibromochloromethane	10	9.38		ppb v/v		94	73 - 125
1,2-Dibromoethane	10	9.89		ppb v/v		99	78 - 122
Chlorobenzene	10	9.95		ppb v/v		100	76 - 119
Ethylbenzene	10	10.1		ppb v/v		101	74 - 122
m,p-Xylene	20	20.8		ppb v/v		104	76 - 121
o-Xylene	10	10.6		ppb v/v		106	73 - 123
Styrene	10	10.6		ppb v/v		106	74 - 125
Bromoform	10	8.06		ppb v/v		81	53 - 149
Cumene	10	10.5		ppb v/v		105	73 - 123
1,1,2,2-Tetrachloroethane	10	9.70		ppb v/v		97	74 - 126

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212559/3
Matrix: Air
Analysis Batch: 212559

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Propylbenzene	10	10.3		ppb v/v		103	73 - 127
4-Ethyltoluene	10	10.7		ppb v/v		107	75 - 129
1,3,5-Trimethylbenzene	10	10.5		ppb v/v		105	72 - 126
2-Chlorotoluene	10	9.98		ppb v/v		100	74 - 126
tert-Butylbenzene	10	10.5		ppb v/v		105	71 - 125
1,2,4-Trimethylbenzene	10	10.5		ppb v/v		105	71 - 129
sec-Butylbenzene	10	10.6		ppb v/v		106	70 - 128
4-Isopropyltoluene	10	10.6		ppb v/v		106	68 - 130
1,3-Dichlorobenzene	10	10.2		ppb v/v		102	69 - 131
1,4-Dichlorobenzene	10	10.3		ppb v/v		103	67 - 132
Benzyl chloride	10	9.92		ppb v/v		99	60 - 136
n-Butylbenzene	10	10.5		ppb v/v		105	65 - 137
1,2-Dichlorobenzene	10	10.2		ppb v/v		102	68 - 129
1,2,4-Trichlorobenzene	10	10.9		ppb v/v		109	50 - 150
Hexachlorobutadiene	10	11.7		ppb v/v		117	58 - 130
Naphthalene	10	10.8		ppb v/v		108	50 - 150

Lab Sample ID: MB 200-212564/5
Matrix: Air
Analysis Batch: 212564

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			01/06/25 10:54	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/06/25 10:54	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/06/25 10:54	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/06/25 10:54	1
n-Butane	1.2	U	1.2	0.48	ug/m3			01/06/25 10:54	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/06/25 10:54	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/06/25 10:54	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/06/25 10:54	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/06/25 10:54	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/06/25 10:54	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			01/06/25 10:54	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			01/06/25 10:54	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/06/25 10:54	1
Ethanol	9.4	U	9.4	4.9	ug/m3			01/06/25 10:54	1
Acetone	12	U	12	3.8	ug/m3			01/06/25 10:54	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/06/25 10:54	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/06/25 10:54	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/06/25 10:54	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/06/25 10:54	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/06/25 10:54	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/06/25 10:54	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/06/25 10:54	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/06/25 10:54	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/06/25 10:54	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/06/25 10:54	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/06/25 10:54	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/06/25 10:54	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212564/5

Matrix: Air

Analysis Batch: 212564

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/06/25 10:54	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/06/25 10:54	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/06/25 10:54	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			01/06/25 10:54	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/06/25 10:54	1
Benzene	0.64	U	0.64	0.14	ug/m3			01/06/25 10:54	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/06/25 10:54	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/06/25 10:54	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/06/25 10:54	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/06/25 10:54	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/06/25 10:54	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/06/25 10:54	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/06/25 10:54	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/06/25 10:54	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/06/25 10:54	1
Toluene	0.75	U	0.75	0.23	ug/m3			01/06/25 10:54	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/06/25 10:54	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/06/25 10:54	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/06/25 10:54	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/06/25 10:54	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/06/25 10:54	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/06/25 10:54	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/06/25 10:54	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/06/25 10:54	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/06/25 10:54	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/06/25 10:54	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/06/25 10:54	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/06/25 10:54	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/06/25 10:54	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/06/25 10:54	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/06/25 10:54	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/06/25 10:54	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/06/25 10:54	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/06/25 10:54	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/06/25 10:54	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/06/25 10:54	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/06/25 10:54	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/06/25 10:54	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/06/25 10:54	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/06/25 10:54	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/06/25 10:54	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/06/25 10:54	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/06/25 10:54	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/06/25 10:54	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/06/25 10:54	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/06/25 10:54	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			01/06/25 10:54	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/06/25 10:54	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/06/25 10:54	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/06/25 10:54	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			01/06/25 10:54	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/06/25 10:54	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/06/25 10:54	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/06/25 10:54	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/06/25 10:54	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/06/25 10:54	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			01/06/25 10:54	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			01/06/25 10:54	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/06/25 10:54	1
Ethanol	5.0	U	5.0	2.6	ppb v/v			01/06/25 10:54	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/06/25 10:54	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/06/25 10:54	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/06/25 10:54	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/06/25 10:54	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/06/25 10:54	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/06/25 10:54	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/06/25 10:54	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/06/25 10:54	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/06/25 10:54	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/06/25 10:54	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/06/25 10:54	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/06/25 10:54	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/06/25 10:54	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/06/25 10:54	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/06/25 10:54	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/06/25 10:54	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			01/06/25 10:54	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/06/25 10:54	1
Benzene	0.20	U	0.20	0.044	ppb v/v			01/06/25 10:54	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/06/25 10:54	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/06/25 10:54	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/06/25 10:54	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/06/25 10:54	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/06/25 10:54	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/06/25 10:54	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/06/25 10:54	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/06/25 10:54	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/06/25 10:54	1
Toluene	0.20	U	0.20	0.062	ppb v/v			01/06/25 10:54	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/06/25 10:54	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/06/25 10:54	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/06/25 10:54	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/06/25 10:54	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/06/25 10:54	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/06/25 10:54	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/06/25 10:54	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/06/25 10:54	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: MB 200-212564/5
Matrix: Air
Analysis Batch: 212564

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/06/25 10:54	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/06/25 10:54	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/06/25 10:54	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/06/25 10:54	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/06/25 10:54	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/06/25 10:54	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 10:54	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/06/25 10:54	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 10:54	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/06/25 10:54	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/06/25 10:54	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/06/25 10:54	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/06/25 10:54	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/06/25 10:54	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/06/25 10:54	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/06/25 10:54	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/06/25 10:54	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/06/25 10:54	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/06/25 10:54	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/06/25 10:54	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/06/25 10:54	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/06/25 10:54	1

Lab Sample ID: LCS 200-212564/3
Matrix: Air
Analysis Batch: 212564

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	43.5		ug/m3		88	61 - 142
Chlorodifluoromethane	35.4	34.3		ug/m3		97	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	55.4		ug/m3		79	71 - 141
Chloromethane	20.6	20.0		ug/m3		97	56 - 141
n-Butane	23.8	28.0		ug/m3		118	53 - 151
Vinyl chloride	25.6	23.9		ug/m3		94	61 - 135
1,3-Butadiene	22.1	22.0		ug/m3		99	58 - 139
Bromomethane	38.8	32.9		ug/m3		85	72 - 124
Chloroethane	26.4	25.1		ug/m3		95	68 - 130
Bromoethene(Vinyl Bromide)	43.7	38.5		ug/m3		88	75 - 125
Trichlorofluoromethane	56.2	50.0		ug/m3		89	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	64.6		ug/m3		84	70 - 121
1,1-Dichloroethene	39.6	31.7		ug/m3		80	68 - 120
Ethanol	28.3	26.5		ug/m3		94	50 - 150
Acetone	23.7	23.4		ug/m3		99	54 - 154
Isopropyl alcohol	24.6	26.7		ug/m3		109	53 - 142
Carbon disulfide	31.1	28.2		ug/m3		90	71 - 138
3-Chloropropene	31.3	25.3		ug/m3		81	50 - 150
Methylene Chloride	34.7	33.9		ug/m3		98	59 - 137
tert-Butyl alcohol	30.3	28.6		ug/m3		94	66 - 132
Methyl tert-butyl ether	36.0	33.6		ug/m3		93	70 - 127

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212564/3

Matrix: Air

Analysis Batch: 212564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	39.6	37.9		ug/m3		96	69 - 137
n-Hexane	35.2	34.1		ug/m3		97	63 - 138
1,1-Dichloroethane	40.5	36.6		ug/m3		90	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	27.0		ug/m3		92	72 - 124
cis-1,2-Dichloroethene	39.6	33.0		ug/m3		83	72 - 121
Chloroform	48.8	44.1		ug/m3		90	73 - 124
Tetrahydrofuran	29.5	29.2		ug/m3		99	60 - 149
1,1,1-Trichloroethane	54.6	47.9		ug/m3		88	72 - 127
Cyclohexane	34.4	30.4		ug/m3		88	76 - 124
Carbon tetrachloride	62.9	54.7		ug/m3		87	71 - 133
2,2,4-Trimethylpentane	46.7	44.9		ug/m3		96	68 - 131
Benzene	31.9	28.9		ug/m3		90	73 - 119
1,2-Dichloroethane	40.5	37.7		ug/m3		93	68 - 135
n-Heptane	41.0	41.2		ug/m3		101	60 - 142
Trichloroethene	53.7	47.2		ug/m3		88	73 - 122
Methyl methacrylate	40.9	38.8		ug/m3		95	73 - 129
1,2-Dichloropropane	46.2	43.8		ug/m3		95	69 - 128
1,4-Dioxane	36.0	30.8		ug/m3		85	66 - 129
Bromodichloromethane	67.0	59.9		ug/m3		89	75 - 127
cis-1,3-Dichloropropene	45.4	41.4		ug/m3		91	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	42.6		ug/m3		104	58 - 144
Toluene	37.7	32.5		ug/m3		86	75 - 122
trans-1,3-Dichloropropene	45.4	44.7		ug/m3		99	74 - 128
1,1,2-Trichloroethane	54.6	48.3		ug/m3		89	75 - 126
Tetrachloroethene	67.8	54.2		ug/m3		80	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	42.2		ug/m3		103	57 - 143
Dibromochloromethane	85.2	65.9		ug/m3		77	73 - 125
1,2-Dibromoethane	76.8	64.5		ug/m3		84	78 - 122
Chlorobenzene	46.0	38.9		ug/m3		85	76 - 119
Ethylbenzene	43.4	37.9		ug/m3		87	74 - 122
m,p-Xylene	86.8	74.6		ug/m3		86	76 - 121
o-Xylene	43.4	37.0		ug/m3		85	73 - 123
Styrene	42.6	37.2		ug/m3		87	74 - 125
Bromoform	103	64.7		ug/m3		63	53 - 149
Cumene	49.1	41.4		ug/m3		84	73 - 123
1,1,2,2-Tetrachloroethane	68.6	60.3		ug/m3		88	74 - 126
n-Propylbenzene	49.1	43.2		ug/m3		88	73 - 127
4-Ethyltoluene	49.2	43.1		ug/m3		88	75 - 129
1,3,5-Trimethylbenzene	49.2	41.8		ug/m3		85	72 - 126
2-Chlorotoluene	51.8	44.7		ug/m3		86	74 - 126
tert-Butylbenzene	54.9	45.1		ug/m3		82	71 - 125
1,2,4-Trimethylbenzene	49.2	41.8		ug/m3		85	71 - 129
sec-Butylbenzene	54.9	46.7		ug/m3		85	70 - 128
4-Isopropyltoluene	54.9	44.7		ug/m3		82	68 - 130
1,3-Dichlorobenzene	60.1	49.0		ug/m3		82	69 - 131
1,4-Dichlorobenzene	60.1	49.7		ug/m3		83	67 - 132

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212564/3
Matrix: Air
Analysis Batch: 212564

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzyl chloride	51.8	43.9		ug/m3		85	60 - 136
n-Butylbenzene	54.9	48.8		ug/m3		89	65 - 137
1,2-Dichlorobenzene	60.1	47.9		ug/m3		80	68 - 129
1,2,4-Trichlorobenzene	74.2	64.6		ug/m3		87	50 - 150
Hexachlorobutadiene	107	88.0		ug/m3		82	58 - 130
Naphthalene	52.4	47.6		ug/m3		91	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	8.80		ppb v/v		88	61 - 142
Chlorodifluoromethane	10	9.71		ppb v/v		97	60 - 147
1,2-Dichlorotetrafluoroethane	10	7.93		ppb v/v		79	71 - 141
Chloromethane	10	9.67		ppb v/v		97	56 - 141
n-Butane	10	11.8		ppb v/v		118	53 - 151
Vinyl chloride	10	9.36		ppb v/v		94	61 - 135
1,3-Butadiene	10	9.94		ppb v/v		99	58 - 139
Bromomethane	10	8.48		ppb v/v		85	72 - 124
Chloroethane	10	9.49		ppb v/v		95	68 - 130
Bromoethene(Vinyl Bromide)	10	8.80		ppb v/v		88	75 - 125
Trichlorofluoromethane	10	8.90		ppb v/v		89	70 - 129
1,1,2-Trichlorotrifluoroethane	10	8.43		ppb v/v		84	70 - 121
1,1-Dichloroethene	10	8.00		ppb v/v		80	68 - 120
Ethanol	15	14.1		ppb v/v		94	50 - 150
Acetone	10	9.87		ppb v/v		99	54 - 154
Isopropyl alcohol	10	10.9		ppb v/v		109	53 - 142
Carbon disulfide	10	9.05		ppb v/v		90	71 - 138
3-Chloropropene	10	8.09		ppb v/v		81	50 - 150
Methylene Chloride	10	9.75		ppb v/v		98	59 - 137
tert-Butyl alcohol	10	9.43		ppb v/v		94	66 - 132
Methyl tert-butyl ether	10	9.33		ppb v/v		93	70 - 127
trans-1,2-Dichloroethene	10	9.55		ppb v/v		96	69 - 137
n-Hexane	10	9.68		ppb v/v		97	63 - 138
1,1-Dichloroethane	10	9.04		ppb v/v		90	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.17		ppb v/v		92	72 - 124
cis-1,2-Dichloroethene	10	8.33		ppb v/v		83	72 - 121
Chloroform	10	9.03		ppb v/v		90	73 - 124
Tetrahydrofuran	10	9.90		ppb v/v		99	60 - 149
1,1,1-Trichloroethane	10	8.77		ppb v/v		88	72 - 127
Cyclohexane	10	8.84		ppb v/v		88	76 - 124
Carbon tetrachloride	10	8.70		ppb v/v		87	71 - 133
2,2,4-Trimethylpentane	10	9.62		ppb v/v		96	68 - 131
Benzene	10	9.04		ppb v/v		90	73 - 119
1,2-Dichloroethane	10	9.31		ppb v/v		93	68 - 135
n-Heptane	10	10.1		ppb v/v		101	60 - 142
Trichloroethene	10	8.78		ppb v/v		88	73 - 122
Methyl methacrylate	10	9.47		ppb v/v		95	73 - 129
1,2-Dichloropropane	10	9.47		ppb v/v		95	69 - 128
1,4-Dioxane	10	8.54		ppb v/v		85	66 - 129
Bromodichloromethane	10	8.94		ppb v/v		89	75 - 127

Eurofins Burlington

QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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

Lab Sample ID: LCS 200-212564/3
Matrix: Air
Analysis Batch: 212564

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	10	9.13		ppb v/v		91	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	10.4		ppb v/v		104	58 - 144
Toluene	10	8.62		ppb v/v		86	75 - 122
trans-1,3-Dichloropropene	10	9.86		ppb v/v		99	74 - 128
1,1,2-Trichloroethane	10	8.85		ppb v/v		89	75 - 126
Tetrachloroethene	10	7.99		ppb v/v		80	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	10.3		ppb v/v		103	57 - 143
Dibromochloromethane	10	7.74		ppb v/v		77	73 - 125
1,2-Dibromoethane	10	8.40		ppb v/v		84	78 - 122
Chlorobenzene	10	8.46		ppb v/v		85	76 - 119
Ethylbenzene	10	8.72		ppb v/v		87	74 - 122
m,p-Xylene	20	17.2		ppb v/v		86	76 - 121
o-Xylene	10	8.52		ppb v/v		85	73 - 123
Styrene	10	8.74		ppb v/v		87	74 - 125
Bromoform	10	6.26		ppb v/v		63	53 - 149
Cumene	10	8.42		ppb v/v		84	73 - 123
1,1,2,2-Tetrachloroethane	10	8.79		ppb v/v		88	74 - 126
n-Propylbenzene	10	8.80		ppb v/v		88	73 - 127
4-Ethyltoluene	10	8.76		ppb v/v		88	75 - 129
1,3,5-Trimethylbenzene	10	8.51		ppb v/v		85	72 - 126
2-Chlorotoluene	10	8.64		ppb v/v		86	74 - 126
tert-Butylbenzene	10	8.22		ppb v/v		82	71 - 125
1,2,4-Trimethylbenzene	10	8.49		ppb v/v		85	71 - 129
sec-Butylbenzene	10	8.51		ppb v/v		85	70 - 128
4-Isopropyltoluene	10	8.15		ppb v/v		82	68 - 130
1,3-Dichlorobenzene	10	8.15		ppb v/v		82	69 - 131
1,4-Dichlorobenzene	10	8.26		ppb v/v		83	67 - 132
Benzyl chloride	10	8.48		ppb v/v		85	60 - 136
n-Butylbenzene	10	8.88		ppb v/v		89	65 - 137
1,2-Dichlorobenzene	10	7.96		ppb v/v		80	68 - 129
1,2,4-Trichlorobenzene	10	8.71		ppb v/v		87	50 - 150
Hexachlorobutadiene	10	8.25		ppb v/v		82	58 - 130
Naphthalene	10	9.08		ppb v/v		91	50 - 150

Method: D1946 - Fixed Gases (Helium)

Lab Sample ID: MB 570-520792/4
Matrix: Air
Analysis Batch: 520792

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.025	U	0.025	0.0082	% v/v			01/07/25 10:31	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Method: D1946 - Fixed Gases (Helium) (Continued)

Lab Sample ID: LCS 570-520792/2
Matrix: Air
Analysis Batch: 520792

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Helium	1.01	0.896		% v/v		89	80 - 120

Lab Sample ID: LCSD 570-520792/3
Matrix: Air
Analysis Batch: 520792

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
Helium	1.01	0.884		% v/v		88	80 - 120	1	20

QC Association Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Air - GC/MS VOA

Analysis Batch: 212533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-76392-1	SV122024KT001	Total/NA	Air	TO-15	
200-76392-1 - DL	SV122024KT001	Total/NA	Air	TO-15	
200-76392-2	SV122024KT002	Total/NA	Air	TO-15	
200-76392-3	SV122024KT003	Total/NA	Air	TO-15	
MB 200-212533/6	Method Blank	Total/NA	Air	TO-15	
LCS 200-212533/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 212534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-76392-5	SV122024KT005	Total/NA	Air	TO-15	
MB 200-212534/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-212534/3	Lab Control Sample	Total/NA	Air	TO-15	
200-76392-5 DU	SV122024KT005	Total/NA	Air	TO-15	

Analysis Batch: 212559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-76392-4	SV122024KT004	Total/NA	Air	TO-15	
200-76392-4 - DL	SV122024KT004	Total/NA	Air	TO-15	
200-76392-5 - DL	SV122024KT005	Total/NA	Air	TO-15	
MB 200-212559/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-212559/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 212564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-76392-6	SV122024KT006	Total/NA	Air	TO-15	
200-76392-7	SV122024KT007	Total/NA	Air	TO-15	
MB 200-212564/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-212564/3	Lab Control Sample	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 520792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-76392-1	SV122024KT001	Total/NA	Air	D1946	
MB 570-520792/4	Method Blank	Total/NA	Air	D1946	
LCS 570-520792/2	Lab Control Sample	Total/NA	Air	D1946	
LCSD 570-520792/3	Lab Control Sample Dup	Total/NA	Air	D1946	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT001

Lab Sample ID: 200-76392-1

Date Collected: 12/20/24 09:03

Matrix: Air

Date Received: 12/21/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212533	K1P	EET BUR	01/03/25 23:37
Total/NA	Analysis	TO-15	DL	2.99	212533	K1P	EET BUR	01/04/25 00:29
Total/NA	Analysis	D1946		1	520792	I9H5	EET CAL 4	01/07/25 11:35

Client Sample ID: SV122024KT002

Lab Sample ID: 200-76392-2

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212533	K1P	EET BUR	01/04/25 01:21

Client Sample ID: SV122024KT003

Lab Sample ID: 200-76392-3

Date Collected: 12/20/24 08:55

Matrix: Air

Date Received: 12/21/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212533	K1P	EET BUR	01/04/25 02:12

Client Sample ID: SV122024KT004

Lab Sample ID: 200-76392-4

Date Collected: 12/20/24 08:51

Matrix: Air

Date Received: 12/21/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212559	K1P	EET BUR	01/04/25 17:30
Total/NA	Analysis	TO-15	DL	5	212559	K1P	EET BUR	01/04/25 18:21

Client Sample ID: SV122024KT005

Lab Sample ID: 200-76392-5

Date Collected: 12/20/24 08:54

Matrix: Air

Date Received: 12/21/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212534	A1B	EET BUR	01/04/25 04:45
Total/NA	Analysis	TO-15	DL	2.99	212559	K1P	EET BUR	01/04/25 19:13

Client Sample ID: SV122024KT006

Lab Sample ID: 200-76392-6

Date Collected: 12/20/24 08:53

Matrix: Air

Date Received: 12/21/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212564	K1P	EET BUR	01/06/25 15:12

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Client Sample ID: SV122024KT007
Date Collected: 12/20/24 08:50
Date Received: 12/21/24 10:30

Lab Sample ID: 200-76392-7
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212564	K1P	EET BUR	01/06/25 16:03

Laboratory References:
EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

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	Ethanol	
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	

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	525-23-159-97150	06-08-26
Washington	State	C916	10-11-25

Method Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR
D1946	Fixed Gases (Helium)	ASTM	EET CAL 4

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job ID: 200-76392-1
SDG: 200-76392-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-76392-1	SV122024KT001	Air	12/20/24 09:03	12/21/24 10:30	Air Canister (6-Liter) #2843
200-76392-2	SV122024KT002	Air	12/20/24 08:55	12/21/24 10:30	Air Canister (6-Liter) #3658
200-76392-3	SV122024KT003	Air	12/20/24 08:55	12/21/24 10:30	Air Canister (6-Liter) #2567
200-76392-4	SV122024KT004	Air	12/20/24 08:51	12/21/24 10:30	Air Canister (6-Liter) #6259
200-76392-5	SV122024KT005	Air	12/20/24 08:54	12/21/24 10:30	Air Canister (6-Liter) #5026
200-76392-6	SV122024KT006	Air	12/20/24 08:53	12/21/24 10:30	Air Canister (6-Liter) #8445
200-76392-7	SV122024KT007	Air	12/20/24 08:50	12/21/24 10:30	Air Canister (6-Liter) #2848

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Instrument ID: CHAM.i Analysis Batch Number: 212331
Lab Sample ID: IC 200-212331/15 Client Sample ID: _____
Date Analyzed: 12/21/24 02:27 Lab File ID: 63469_015.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	13.79	Peak assignment corrected	BKZ7	12/21/24 06:46
1,3,5-Trimethylbenzene	21.97	Peak assignment corrected	BKZ7	12/21/24 06:46

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAM.iAnalysis Batch Number: 212534Lab Sample ID: CCVIS 200-212534/2

Client Sample ID: _____

Date Analyzed: 01/03/25 07:54Lab File ID: 63569_002.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.38	Assign Peak	F7XK	01/06/25 09:46
2-Chlorotoluene	21.83	Assign Peak	F7XK	01/06/25 09:47

Lab Sample ID: MB 200-212534/4

Client Sample ID: _____

Date Analyzed: 01/03/25 09:37Lab File ID: 63569_004.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butane	5.19	Assign Peak	F7XK	01/06/25 09:50
1,3,5-Trimethylbenzene		Assign Peak	F7XK	01/06/25 09:52

Lab Sample ID: 200-76392-5Client Sample ID: SV122024KT005Date Analyzed: 01/04/25 04:45Lab File ID: 63569_026.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorotetrafluoroethane	4.75	Assign Peak	F7XK	01/06/25 12:01
1,1,2-Trichloroethane		Invalid Compound ID	F7XK	01/06/25 12:04
1,2-Dichloroethane		Invalid Compound ID	F7XK	01/06/25 12:03
2-Chlorotoluene		Invalid Compound ID	F7XK	01/06/25 12:05
3-Chloropropene		Invalid Compound ID	F7XK	01/06/25 12:02
Benzyl chloride		Invalid Compound ID	F7XK	01/06/25 12:06
Methyl methacrylate		Assign Peak	F7XK	01/06/25 12:03
Styrene		Assign Peak	F7XK	01/06/25 12:04
tert-Butylbenzene		Assign Peak	F7XK	01/06/25 12:05
trans-1,3-Dichloropropene		Invalid Compound ID	F7XK	01/06/25 12:04
Tetrahydrofuran	11.73	Assign Peak	F7XK	01/06/25 12:02
Chloroform	11.85	Assign Peak	F7XK	01/06/25 12:03
sec-Butylbenzene	22.76	Assign Peak	F7XK	01/06/25 12:05

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAM.iAnalysis Batch Number: 212534Lab Sample ID: 200-76392-5 DUClient Sample ID: SV122024KT005 DUDate Analyzed: 01/04/25 05:36Lab File ID: 63569_027.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorotetrafluoroethane	4.74	Assign Peak	F7XK	01/06/25 12:06
1,1,2-Trichloroethane		Invalid Compound ID	F7XK	01/06/25 12:09
1,2-Dichloroethane		Invalid Compound ID	F7XK	01/06/25 12:08
1,3-Butadiene		Invalid Compound ID	F7XK	01/06/25 12:07
2-Chlorotoluene		Invalid Compound ID	F7XK	01/06/25 12:11
3-Chloropropene		Invalid Compound ID	F7XK	01/06/25 12:07
Benzyl chloride		Assign Peak	F7XK	01/06/25 12:11
Methyl methacrylate		Assign Peak	F7XK	01/06/25 12:09
Styrene		Assign Peak	F7XK	01/06/25 12:10
tert-Butylbenzene		Assign Peak	F7XK	01/06/25 12:11
trans-1,3-Dichloropropene		Invalid Compound ID	F7XK	01/06/25 12:09
Tetrahydrofuran	11.73	Assign Peak	F7XK	01/06/25 12:08
4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.99	Assign Peak	F7XK	01/06/25 12:09
sec-Butylbenzene	22.77	Assign Peak	F7XK	01/06/25 12:11

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAM.iAnalysis Batch Number: 212559Lab Sample ID: 200-76392-4Client Sample ID: SV122024KT004Date Analyzed: 01/04/25 17:30Lab File ID: 63582_011.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorotetrafluoroethane	4.75	Assign Peak	YWL8	01/06/25 07:12
trans-1,2-Dichloroethene	9.47	Assign Peak	YWL8	01/06/25 07:13
1,1,2,2-Tetrachloroethane		Invalid Compound ID	YWL8	01/06/25 07:15
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	01/06/25 07:13
1,2-Dichloroethane		Invalid Compound ID	YWL8	01/06/25 07:13
3-Chloropropene		Invalid Compound ID	YWL8	01/06/25 07:13
trans-1,3-Dichloropropene		Invalid Compound ID	YWL8	01/06/25 07:13
Tetrahydrofuran	11.73	Assign Peak	YWL8	01/06/25 07:13

Lab Sample ID: 200-76392-4 DLClient Sample ID: SV122024KT004 DLDate Analyzed: 01/04/25 18:21Lab File ID: 63582_012.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	01/06/25 07:20
1,2-Dichloroethane		Invalid Compound ID	YWL8	01/06/25 07:20
trans-1,3-Dichloropropene		Invalid Compound ID	YWL8	01/06/25 07:20
Chloroform	11.87	Assign Peak	YWL8	01/06/25 07:19
Cyclohexane	12.29	Assign Peak	YWL8	01/06/25 07:19
2,2,4-Trimethylpentane	12.99	Assign Peak	YWL8	01/06/25 07:20

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAM.iAnalysis Batch Number: 212559Lab Sample ID: 200-76392-5 DLClient Sample ID: SV122024KT005 DLDate Analyzed: 01/04/25 19:13Lab File ID: 63582_013.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	YWL8	01/06/25 07:29
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	01/06/25 07:28
1,2-Dichloroethane		Invalid Compound ID	YWL8	01/06/25 07:24
1,3-Dichlorobenzene		Invalid Compound ID	YWL8	01/06/25 07:30
2-Chlorotoluene		Invalid Compound ID	YWL8	01/06/25 07:30
3-Chloropropene		Invalid Compound ID	YWL8	01/06/25 07:22
Styrene		Invalid Compound ID	YWL8	01/06/25 07:29
trans-1,3-Dichloropropene		Invalid Compound ID	YWL8	01/06/25 07:28
1,1,1-Trichloroethane	12.16	Assign Peak	YWL8	01/06/25 07:22
n-Heptane	13.31	Assign Peak	YWL8	01/06/25 07:24

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Instrument ID: CHAN.i

Analysis Batch Number: 212230

Lab Sample ID: IC 200-212230/3

Client Sample ID:

Date Analyzed: 12/18/24 15:43

Lab File ID: 63422_003.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	5.35	Assign Peak	F7XK	12/19/24 10:05
1,1-Dichloroethene	7.97	Assign Peak	F7XK	12/19/24 10:06
cis-1,2-Dichloroethene	11.15	Assign Peak	F7XK	12/19/24 10:07
Tetrachloroethene	17.20	Assign Peak	F7XK	12/19/24 10:07

Lab Sample ID: IC 200-212230/6

Client Sample ID:

Date Analyzed: 12/18/24 18:17

Lab File ID: 63422_006.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Propylene	4.36	Assign Peak	F7XK	12/19/24 10:24
n-Butane	5.23	Assign Peak	F7XK	12/19/24 10:24
1,3-Butadiene	5.34	Assign Peak	F7XK	12/19/24 10:25
n-Pentane	7.14	Assign Peak	F7XK	12/19/24 10:25
Vinyl acetate	10.17	Assign Peak	F7XK	12/19/24 10:27
Methyl Ethyl Ketone (2-Butanone)	11.14	Assign Peak	F7XK	12/19/24 10:27
Cyclohexane	12.20	Assign Peak	F7XK	12/19/24 10:28
4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.82	Assign Peak	F7XK	12/19/24 10:29
Methyl Butyl Ketone (2-Hexanone)	17.39	Assign Peak	F7XK	12/19/24 10:30
1,2,4-Trimethylbenzene	22.40	Assign Peak	F7XK	12/19/24 10:31

Lab Sample ID: IC 200-212230/8

Client Sample ID:

Date Analyzed: 12/18/24 20:00

Lab File ID: 63422_008.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl methacrylate	14.37	Assign Peak	F7XK	12/19/24 10:41

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Instrument ID: CHAN.i Analysis Batch Number: 212230
Lab Sample ID: IC 200-212230/10 Client Sample ID: _____
Date Analyzed: 12/18/24 21:44 Lab File ID: 63422_010.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl methacrylate	14.37	Assign Peak	F7XK	12/19/24 10:44

Lab Sample ID: IC 200-212230/14 Client Sample ID: _____
Date Analyzed: 12/19/24 01:10 Lab File ID: 63422_014.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane	12.73	Assign Peak	F7XK	12/19/24 15:28
Methyl methacrylate	14.37	Assign Peak	F7XK	12/19/24 15:28

Lab Sample ID: IC 200-212230/15 Client Sample ID: _____
Date Analyzed: 12/19/24 02:02 Lab File ID: 63422_015.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	12.19	Incomplete Integration	BKZ7	12/19/24 06:50

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Instrument ID: CHAN.i

Analysis Batch Number: 212533

Lab Sample ID: MB 200-212533/6

Client Sample ID:

Date Analyzed: 01/03/25 11:24

Lab File ID: 63568_006.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene		Invalid Compound ID	YWL8	01/05/25 20:19
4-Ethyltoluene	21.75	Assign Peak	YWL8	01/05/25 20:20
1,2,4-Trimethylbenzene	22.40	Assign Peak	YWL8	01/05/25 20:20

Lab Sample ID: 200-76392-1

Client Sample ID: SV122024KT001

Date Analyzed: 01/03/25 23:37

Lab File ID: 63568_020.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorotetrafluoroethane	4.80	Assign Peak	YWL8	01/05/25 21:01
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	01/05/25 21:02
1,1-Dichloroethene		Invalid Compound ID	YWL8	01/05/25 21:01
cis-1,2-Dichloroethene	11.15	Assign Peak	YWL8	01/05/25 21:02
Benzene	12.66	Assign Peak	YWL8	01/05/25 21:02
n-Heptane	13.19	Assign Peak	YWL8	01/05/25 21:02
m,p-Xylene	19.36	Assign Peak	YWL8	01/05/25 21:03

Lab Sample ID: 200-76392-1 DL

Client Sample ID: SV122024KT001 DL

Date Analyzed: 01/04/25 00:29

Lab File ID: 63568_021.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	01/05/25 21:05
1,1-Dichloroethene		Invalid Compound ID	YWL8	01/05/25 21:04
Cyclohexane		Invalid Compound ID	YWL8	01/05/25 21:05
n-Hexane		Invalid Compound ID	YWL8	01/05/25 21:04
Chloroform	11.73	Assign Peak	YWL8	01/05/25 21:05
m,p-Xylene	19.36	Assign Peak	YWL8	01/05/25 21:05

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAN.iAnalysis Batch Number: 212533Lab Sample ID: 200-76392-2Client Sample ID: SV122024KT002Date Analyzed: 01/04/25 01:21Lab File ID: 63568_022.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene		Invalid Compound ID	YWL8	01/05/25 21:06
3-Chloropropene		Invalid Compound ID	YWL8	01/05/25 21:06
Methyl methacrylate		Invalid Compound ID	YWL8	01/05/25 21:07
Styrene		Invalid Compound ID	YWL8	01/05/25 21:08
Cyclohexane	12.19	Assign Peak	YWL8	01/05/25 21:07
Methyl Butyl Ketone (2-Hexanone)	17.38	Assign Peak	YWL8	01/05/25 21:07

Lab Sample ID: 200-76392-3Client Sample ID: SV122024KT003Date Analyzed: 01/04/25 02:12Lab File ID: 63568_023.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorotetrafluoroethane	4.80	Assign Peak	YWL8	01/05/25 21:08
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	01/05/25 21:10
Methyl methacrylate		Invalid Compound ID	YWL8	01/05/25 21:10
cis-1,2-Dichloroethene	11.14	Assign Peak	YWL8	01/05/25 21:09
4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.82	Assign Peak	YWL8	01/05/25 21:10

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAN.iAnalysis Batch Number: 212564Lab Sample ID: 200-76392-6Client Sample ID: SV122024KT006Date Analyzed: 01/06/25 15:12Lab File ID: 63588_010.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorotetrafluoroethane	4.81	Assign Peak	YWL8	01/07/25 11:13
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	01/07/25 11:21
1,1-Dichloroethene		Invalid Compound ID	YWL8	01/07/25 11:15
1,3-Butadiene		Invalid Compound ID	YWL8	01/07/25 11:14
3-Chloropropene		Invalid Compound ID	YWL8	01/07/25 11:15
Methyl methacrylate		Invalid Compound ID	YWL8	01/07/25 11:18
Methyl Butyl Ketone (2-Hexanone)	17.38	Assign Peak	YWL8	01/07/25 11:21
4-Isopropyltoluene	22.85	Assign Peak	YWL8	01/07/25 11:25

Lab Sample ID: 200-76392-7Client Sample ID: SV122024KT007Date Analyzed: 01/06/25 16:03Lab File ID: 63588_011.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	YWL8	01/07/25 11:41
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	01/07/25 11:39
1,3-Butadiene		Invalid Compound ID	YWL8	01/07/25 11:30
3-Chloropropene		Invalid Compound ID	YWL8	01/07/25 11:31
Cumene		Invalid Compound ID	YWL8	01/07/25 11:41
Methyl methacrylate		Invalid Compound ID	YWL8	01/07/25 11:35
n-Butylbenzene		Invalid Compound ID	YWL8	01/07/25 11:44
Styrene	20.18	Assign Peak	YWL8	01/07/25 11:41
4-Isopropyltoluene	22.85	Assign Peak	YWL8	01/07/25 11:43
Naphthalene	26.36	Assign Peak	YWL8	01/07/25 11:28

AIR - GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Calscience Job No.: 200-76392-1
SDG No.: 200-76392-1
Instrument ID: GC55 Analysis Batch Number: 409683
Lab Sample ID: IC 570-409683/8 Client Sample ID: _____
Date Analyzed: 02/12/24 12:04 Lab File ID: GC5512FEB08.D GC Column: Chromosil310 ID: 0.125(in

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Helium	2.92	Split Peak	I9H5	02/12/24 13:10
Hydrogen	3.35	Split Peak	I9H5	02/12/24 13:10

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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	
ATTO15CAL1w_00273	03/13/25	12/16/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00239	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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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_00239	03/13/25	12/16/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00189	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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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_00176	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00189	03/16/25	12/16/24	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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
..ATTO15EthCALw_00176	03/13/25	12/13/24	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_00353	03/13/25	12/16/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00239	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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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_00176	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00239	03/13/25	12/16/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00189	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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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
..ATTO15CALSTKi_00189	03/16/25	12/16/24	Nitrogen, Lot 13	37.5 L	ATTO15EthCALw_00176	1237 mL	Ethanol	39.9987 ppb v/v
					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.: 200-76392-1

SDG No.: 200-76392-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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_00176	03/13/25	12/13/24	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_00176	03/13/25	12/13/24	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.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL4w_00831	03/13/25	12/16/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00189	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00176	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00189	03/16/25	12/16/24	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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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_00176	03/13/25	12/13/24	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_00150	03/13/25	12/16/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00189	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00176	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00189	03/16/25	12/16/24	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.: 200-76392-1

SDG No.: 200-76392-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		Vinyl chloride	200 ppb v/v
							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.: 200-76392-1

SDG No.: 200-76392-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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_00176	03/13/25	12/13/24	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
ATTO15CAL6w_00239	03/13/25	12/16/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00189	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00176	1237 mL	Ethanol	39.9987 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ATTO15CALSTKi_00189	03/16/25	12/16/24	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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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_00176	03/13/25	12/13/24	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.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL7w_00150	03/13/25	12/16/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00189	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00176	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00189	03/16/25	12/16/24	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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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.: 200-76392-1

SDG No.: 200-76392-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

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_00176	03/13/25	12/13/24	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	
ATTO15LCsw_00882	03/13/25	12/16/24	Nitrogen, Lot 13	15.463 L	ATTO15EthCALw_00176	464 mL	Ethanol	15.0036 ppb v/v
					ATTO15LCsSTKi_00150	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
.ATTO15EthCALw_00176	03/13/25	12/13/24	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
.ATTO15LCSSTKi_00150	03/27/25	12/16/24	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..ATTO15CALs_00051	03/27/25		Linde, Lot CC-237336		(Purchased Reagent)		Vinyl chloride	200 ppb v/v
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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 TRACEABILITY SUMMARY

Lab Name: Eurofins Calscience Job No.: 200-76392-1SDG No.: 200-76392-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
A_He/H2_CCV_00004	01/03/27		Praxair, Lot 70086136402		(Purchased Reagent)		Helium	1.01 % v/v
							Hydrogen	0.994 % v/v
A_He/H2_LCS_00003	01/03/27		Praxair, Lot 70086136403		(Purchased Reagent)		Helium	1.01 % v/v

Reagent

1gEthanol_00005



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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

COA Form
Revision 3 (3/2015)

Print Date: 08/19/21





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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



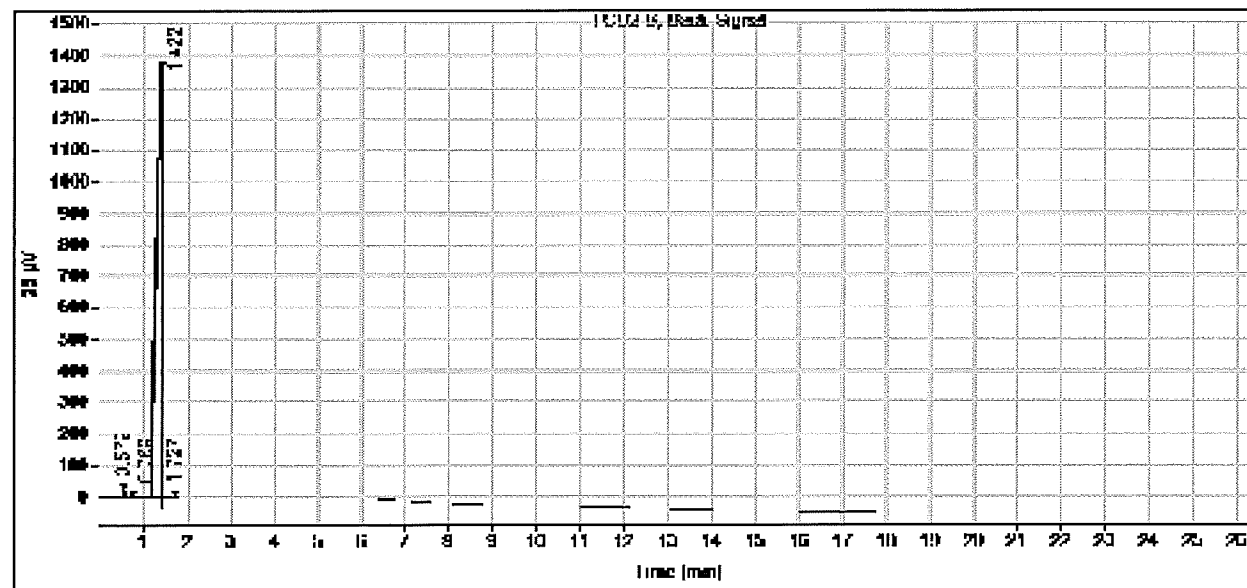


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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\0719\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	0.3008
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			11772.0858		



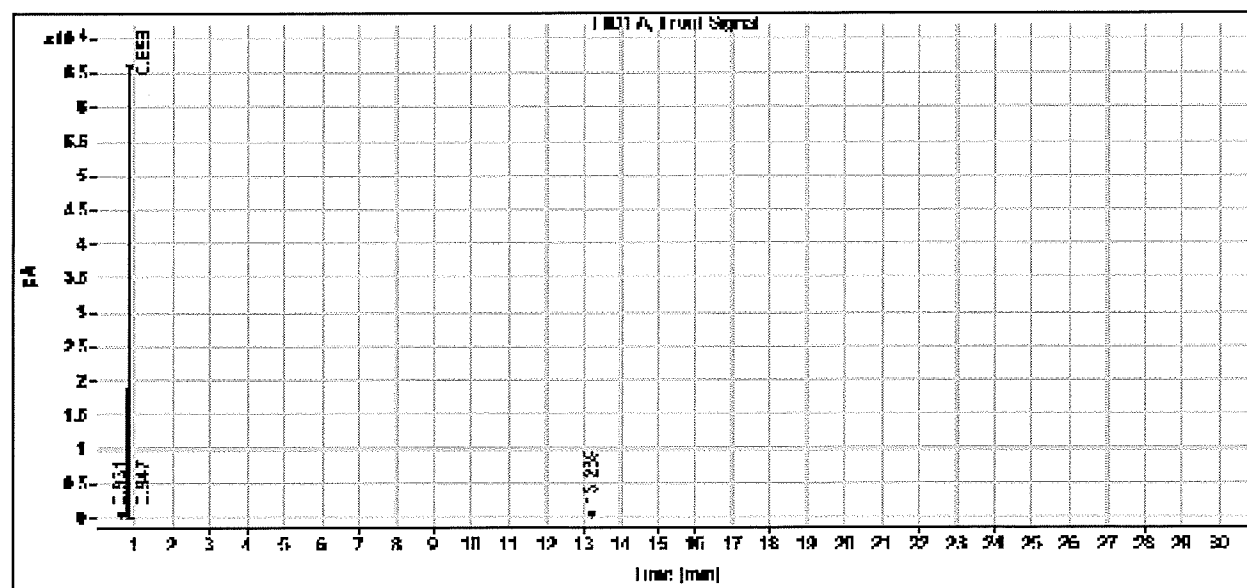


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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\073019\073019B 2019-07-30 18-13-42
1101F0403.D
Sample name: N-11885 neat
Instrument: GC 1 Sample type: Sample
Injection date: 7/31/2019 3:38:30 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

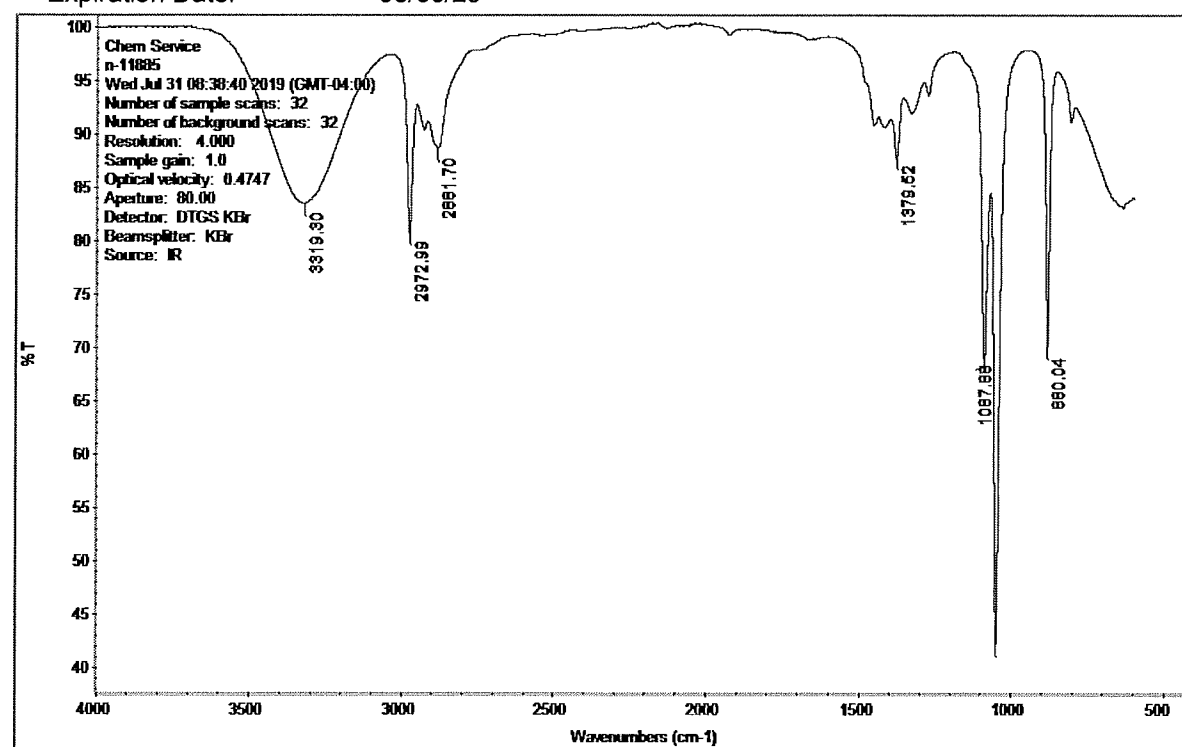
RT [min]	Type	Width [min]	Area	Height	Area%
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0.647	VB	0.0112	27.4219	37.8672	0.0185
0.868	BB S	0.0287	148490.7656	65443.6719	99.9813
13.239	BB	0.0025	0.0186	0.1089	0.0000
Sum			148518.4729		



CERTIFICATE OF ANALYSIS

Analysis Method:

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



Reagent

ATTO15AMISs_00004

THE LINDE GROUP

Linde

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30 Community Dr. Ste. 11
South Burlington, VT 05403-6834

PAGE: 1 of 1

1921534
ID ATTO15AMISs_00004
Exp 08/30/29 Pripd
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

BB

ANALYST: Brian Bramkamp

DATE: Aug-31-2023

Reagent

ATTO15CALs_00050



ISO/IEC 17025



Analysis Report



1871092

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

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

VTP 3/27/24

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

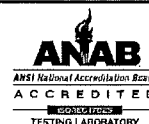
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ISO/IEC 17025



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

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
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

Linde Spectra Environmental Gases

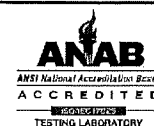
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ISO/IEC 17025



Analysis Report

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South Burlington, VT 05403

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

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
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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South Burlington, VT 05403

PAGE: 4 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

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
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

Linde Spectra Environmental Gases

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Linde North America, Inc.

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ISO/IEC 17025



Analysis Report

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

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

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
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

Linde Spectra Environmental Gases

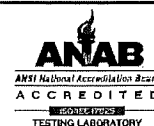
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Analysis Report

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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

ATTO15CALs_00051

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PAGE: 1 of 4

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

Do NOT use under: 150 psig



1937983

ID ATTO15CAL5_00051

Exp 03/27/25 Prod

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

* Exp: 3/27/2025

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

* Recertify

at Page 176 of 1266

10/14/2024 by VTP

5:38:14 PM

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PAGE: 2 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
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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PAGE: 3 of 4

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
Do NOT use under: 150 psig

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
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

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_C
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_C
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.1\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_C
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



ISO/IEC 17025



Analysis Report



1871092

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

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

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

VTP 3/27/24

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

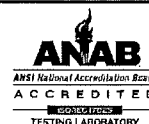
Linde North America, Inc.

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ISO/IEC 17025



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

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
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

Linde Spectra Environmental Gases

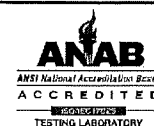
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Linde North America, Inc.

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ISO/IEC 17025



Analysis Report

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

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

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
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

Linde Spectra Environmental Gases

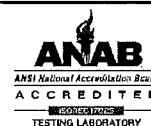
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ISO/IEC 17025



Analysis Report

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

PAGE: 4 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

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
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

Linde Spectra Environmental Gases

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Analysis Report

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

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

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
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

Linde Spectra Environmental Gases

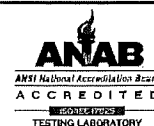
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Analysis Report

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.

DATE: Mar-27-2024

ANALYST: Lou Lorenzetti

Linde Spectra Environmental Gases

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Reagent

ATTO15CISs_00012

THE LINDE GROUP

Linde

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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	7727-37-9	Balance	Balance



1552483

ID: ATTO15CISs_00012

Exp 09/22/25 Piped TPB Opn. 10/14/21

Internal Standard for Ins

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

ANALYST:

Brian Bramkamp

DATE: Sep-22-2021

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Matrix: Air Level: Low Lab File ID: 63568_003.D
 Lab ID: LCS 200-212533/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	50.0	101	61-142	
Chlorodifluoromethane	35.4	38.4	109	60-147	
1,2-Dichlorotetrafluoroethane	69.9	62.6	90	71-141	
Chloromethane	20.6	22.4	108	56-141	
n-Butane	23.8	29.4	124	53-151	
Vinyl chloride	25.6	25.3	99	61-135	
1,3-Butadiene	22.1	23.0	104	58-139	
Bromomethane	38.8	36.0	93	72-124	
Chloroethane	26.4	27.0	102	68-130	
Bromoethene (Vinyl Bromide)	43.7	40.8	93	75-125	
Trichlorofluoromethane	56.2	55.3	99	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	72.8	95	70-121	
1,1-Dichloroethene	39.6	34.9	88	68-120	
Ethanol	28.3	31.5	111	50-150	
Acetone	23.7	26.4	111	54-154	
Isopropyl alcohol	24.6	32.9	134	53-142	
Carbon disulfide	31.1	31.0	100	71-138	
3-Chloropropene	31.3	35.8	114	50-150	
Methylene Chloride	34.7	37.4	108	59-137	
tert-Butyl alcohol	30.3	33.1	109	66-132	
Methyl tert-butyl ether	36.0	36.6	102	70-127	
trans-1,2-Dichloroethene	39.6	40.3	102	69-137	
n-Hexane	35.2	36.5	104	63-138	
1,1-Dichloroethane	40.5	41.1	102	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	29.8	101	72-124	
cis-1,2-Dichloroethene	39.6	37.0	93	72-121	
Chloroform	48.8	49.1	100	73-124	
Tetrahydrofuran	29.5	33.1	112	60-149	
1,1,1-Trichloroethane	54.6	54.1	99	72-127	
Cyclohexane	34.4	33.3	97	76-124	
Carbon tetrachloride	62.9	62.2	99	71-133	
2,2,4-Trimethylpentane	46.7	48.7	104	68-131	
Benzene	31.9	31.4	98	73-119	
1,2-Dichloroethane	40.5	42.8	106	68-135	
n-Heptane	41.0	44.5	109	60-142	
Trichloroethene	53.7	51.7	96	73-122	
Methyl methacrylate	40.9	43.3	106	73-129	
1,2-Dichloropropane	46.2	47.3	102	69-128	
1,4-Dioxane	36.0	38.1	106	66-129	
Bromodichloromethane	67.0	68.4	102	75-127	
cis-1,3-Dichloropropene	45.4	46.3	102	74-125	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Matrix: Air Level: Low Lab File ID: 63568_003.D
 Lab ID: LCS 200-212533/3 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	47.2	115	58-144	
Toluene	37.7	35.3	94	75-122	
trans-1,3-Dichloropropene	45.4	46.8	103	74-128	
1,1,2-Trichloroethane	54.6	52.3	96	75-126	
Tetrachloroethene	67.8	59.6	88	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	46.8	114	57-143	
Dibromochloromethane	85.2	79.9	94	73-125	
1,2-Dibromoethane	76.8	71.3	93	78-122	
Chlorobenzene	46.0	42.7	93	76-119	
Ethylbenzene	43.4	41.9	97	74-122	
m,p-Xylene	86.8	82.2	95	76-121	
o-Xylene	43.4	40.8	94	73-123	
Styrene	42.6	41.4	97	74-125	
Bromoform	103	94.4	91	53-149	
Cumene	49.1	46.7	95	73-123	
1,1,2,2-Tetrachloroethane	68.6	67.6	99	74-126	
n-Propylbenzene	49.1	49.1	100	73-127	
4-Ethyltoluene	49.2	48.2	98	75-129	
1,3,5-Trimethylbenzene	49.2	47.1	96	72-126	
2-Chlorotoluene	51.8	50.1	97	74-126	
tert-Butylbenzene	54.9	51.2	93	71-125	
1,2,4-Trimethylbenzene	49.2	47.5	97	71-129	
sec-Butylbenzene	54.9	53.1	97	70-128	
4-Isopropyltoluene	54.9	52.3	95	68-130	
1,3-Dichlorobenzene	60.1	56.4	94	69-131	
1,4-Dichlorobenzene	60.1	56.5	94	67-132	
Benzyl chloride	51.8	54.8	106	60-136	
n-Butylbenzene	54.9	57.0	104	65-137	
1,2-Dichlorobenzene	60.1	56.0	93	68-129	
1,2,4-Trichlorobenzene	74.2	78.4	106	50-150	
Hexachlorobutadiene	107	101	95	58-130	
Naphthalene	52.4	62.9	120	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.: 200-76392-1
 SDG No.: 200-76392-1
 Matrix: Air Level: Low Lab File ID: 63569_003.D
 Lab ID: LCS 200-212534/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	56.5	114	61-142	
Chlorodifluoromethane	35.4	39.8	113	60-147	
1,2-Dichlorotetrafluoroethane	69.9	81.4	116	71-141	
Chloromethane	20.6	23.3	113	56-141	
n-Butane	23.8	18.8	79	53-151	
Vinyl chloride	25.6	19.6	77	61-135	
1,3-Butadiene	22.1	15.7	71	58-139	
Bromomethane	38.8	43.9	113	72-124	
Chloroethane	26.4	28.8	109	68-130	
Bromoethene (Vinyl Bromide)	43.7	49.6	113	75-125	
Trichlorofluoromethane	56.2	58.7	104	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	72.6	95	70-121	
1,1-Dichloroethene	39.6	39.3	99	68-120	
Ethanol	28.3	26.0	92	50-150	
Acetone	23.7	19.8	84	54-154	
Isopropyl alcohol	24.6	23.1	94	53-142	
Carbon disulfide	31.1	28.7	92	71-138	
3-Chloropropene	31.3	20.8	67	50-150	
Methylene Chloride	34.7	29.1	84	59-137	
tert-Butyl alcohol	30.3	26.0	86	66-132	
Methyl tert-butyl ether	36.0	33.4	93	70-127	
trans-1,2-Dichloroethene	39.6	35.5	90	69-137	
n-Hexane	35.2	31.8	90	63-138	
1,1-Dichloroethane	40.5	34.8	86	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	25.5	86	72-124	
cis-1,2-Dichloroethene	39.6	36.7	93	72-121	
Chloroform	48.8	43.2	89	73-124	
Tetrahydrofuran	29.5	24.4	83	60-149	
1,1,1-Trichloroethane	54.6	50.2	92	72-127	
Cyclohexane	34.4	32.8	95	76-124	
Carbon tetrachloride	62.9	59.8	95	71-133	
2,2,4-Trimethylpentane	46.7	43.1	92	68-131	
Benzene	31.9	29.6	93	73-119	
1,2-Dichloroethane	40.5	34.3	85	68-135	
n-Heptane	41.0	36.9	90	60-142	
Trichloroethene	53.7	50.7	94	73-122	
Methyl methacrylate	40.9	36.8	90	73-129	
1,2-Dichloropropane	46.2	41.1	89	69-128	
1,4-Dioxane	36.0	29.1	81	66-129	
Bromodichloromethane	67.0	59.9	89	75-127	
cis-1,3-Dichloropropene	45.4	42.2	93	74-125	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Matrix: Air Level: Low Lab File ID: 63569_003.D
 Lab ID: LCS 200-212534/3 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	35.8	87	58-144	
Toluene	37.7	36.7	97	75-122	
trans-1,3-Dichloropropene	45.4	44.6	98	74-128	
1,1,2-Trichloroethane	54.6	50.7	93	75-126	
Tetrachloroethene	67.8	71.8	106	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	36.3	89	57-143	
Dibromochloromethane	85.2	77.2	91	73-125	
1,2-Dibromoethane	76.8	72.8	95	78-122	
Chlorobenzene	46.0	44.5	97	76-119	
Ethylbenzene	43.4	41.7	96	74-122	
m,p-Xylene	86.8	86.2	99	76-121	
o-Xylene	43.4	44.2	102	73-123	
Styrene	42.6	43.2	101	74-125	
Bromoform	103	82.7	80	53-149	
Cumene	49.1	49.7	101	73-123	
1,1,2,2-Tetrachloroethane	68.6	61.9	90	74-126	
n-Propylbenzene	49.1	47.9	98	73-127	
4-Ethyltoluene	49.2	49.9	102	75-129	
1,3,5-Trimethylbenzene	49.2	48.9	100	72-126	
2-Chlorotoluene	51.8	48.6	94	74-126	
tert-Butylbenzene	54.9	55.8	102	71-125	
1,2,4-Trimethylbenzene	49.2	49.4	101	71-129	
sec-Butylbenzene	54.9	55.2	101	70-128	
4-Isopropyltoluene	54.9	55.6	101	68-130	
1,3-Dichlorobenzene	60.1	60.2	100	69-131	
1,4-Dichlorobenzene	60.1	60.2	100	67-132	
Benzyl chloride	51.8	48.8	94	60-136	
n-Butylbenzene	54.9	53.6	98	65-137	
1,2-Dichlorobenzene	60.1	59.5	99	68-129	
1,2,4-Trichlorobenzene	74.2	81.5	110	50-150	
Hexachlorobutadiene	107	127	119	58-130	
Naphthalene	52.4	55.7	106	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.: 200-76392-1
 SDG No.: 200-76392-1
 Matrix: Air Level: Low Lab File ID: 63582_003.D
 Lab ID: LCS 200-212559/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	52.4	106	61-142	
Chlorodifluoromethane	35.4	38.5	109	60-147	
1,2-Dichlorotetrafluoroethane	69.9	76.4	109	71-141	
Chloromethane	20.6	22.9	111	56-141	
n-Butane	23.8	23.1	97	53-151	
Vinyl chloride	25.6	23.3	91	61-135	
1,3-Butadiene	22.1	19.2	87	58-139	
Bromomethane	38.8	42.1	108	72-124	
Chloroethane	26.4	28.7	109	68-130	
Bromoethene (Vinyl Bromide)	43.7	47.9	109	75-125	
Trichlorofluoromethane	56.2	58.3	104	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	73.9	97	70-121	
1,1-Dichloroethene	39.6	39.8	100	68-120	
Ethanol	28.3	27.9	99	50-150	
Acetone	23.7	23.1	97	54-154	
Isopropyl alcohol	24.6	26.3	107	53-142	
Carbon disulfide	31.1	30.4	98	71-138	
3-Chloropropene	31.3	24.1	77	50-150	
Methylene Chloride	34.7	33.8	97	59-137	
tert-Butyl alcohol	30.3	28.6	94	66-132	
Methyl tert-butyl ether	36.0	36.0	100	70-127	
trans-1,2-Dichloroethene	39.6	39.8	100	69-137	
n-Hexane	35.2	35.6	101	63-138	
1,1-Dichloroethane	40.5	38.9	96	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	27.6	94	72-124	
cis-1,2-Dichloroethene	39.6	38.6	97	72-121	
Chloroform	48.8	47.0	96	73-124	
Tetrahydrofuran	29.5	28.5	97	60-149	
1,1,1-Trichloroethane	54.6	53.5	98	72-127	
Cyclohexane	34.4	34.4	100	76-124	
Carbon tetrachloride	62.9	62.7	100	71-133	
2,2,4-Trimethylpentane	46.7	48.3	103	68-131	
Benzene	31.9	31.6	99	73-119	
1,2-Dichloroethane	40.5	38.5	95	68-135	
n-Heptane	41.0	43.3	106	60-142	
Trichloroethene	53.7	53.2	99	73-122	
Methyl methacrylate	40.9	40.0	98	73-129	
1,2-Dichloropropane	46.2	45.8	99	69-128	
1,4-Dioxane	36.0	30.6	85	66-129	
Bromodichloromethane	67.0	64.9	97	75-127	
cis-1,3-Dichloropropene	45.4	45.2	100	74-125	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Matrix: Air Level: Low Lab File ID: 63582_003.D
Lab ID: LCS 200-212559/3 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	41.7	102	58-144	
Toluene	37.7	38.6	102	75-122	
trans-1,3-Dichloropropene	45.4	48.2	106	74-128	
1,1,2-Trichloroethane	54.6	54.1	99	75-126	
Tetrachloroethene	67.8	71.7	106	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	42.5	104	57-143	
Dibromochloromethane	85.2	79.9	94	73-125	
1,2-Dibromoethane	76.8	76.0	99	78-122	
Chlorobenzene	46.0	45.8	100	76-119	
Ethylbenzene	43.4	44.0	101	74-122	
m,p-Xylene	86.8	90.2	104	76-121	
o-Xylene	43.4	46.0	106	73-123	
Styrene	42.6	44.9	106	74-125	
Bromoform	103	83.3	81	53-149	
Cumene	49.1	51.8	105	73-123	
1,1,2,2-Tetrachloroethane	68.6	66.6	97	74-126	
n-Propylbenzene	49.1	50.8	103	73-127	
4-Ethyltoluene	49.2	52.4	107	75-129	
1,3,5-Trimethylbenzene	49.2	51.4	105	72-126	
2-Chlorotoluene	51.8	51.7	100	74-126	
tert-Butylbenzene	54.9	57.7	105	71-125	
1,2,4-Trimethylbenzene	49.2	51.6	105	71-129	
sec-Butylbenzene	54.9	58.2	106	70-128	
4-Isopropyltoluene	54.9	58.1	106	68-130	
1,3-Dichlorobenzene	60.1	61.5	102	69-131	
1,4-Dichlorobenzene	60.1	62.1	103	67-132	
Benzyl chloride	51.8	51.4	99	60-136	
n-Butylbenzene	54.9	57.5	105	65-137	
1,2-Dichlorobenzene	60.1	61.3	102	68-129	
1,2,4-Trichlorobenzene	74.2	80.7	109	50-150	
Hexachlorobutadiene	107	125	117	58-130	
Naphthalene	52.4	56.6	108	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.: 200-76392-1
 SDG No.: 200-76392-1
 Matrix: Air Level: Low Lab File ID: 63588_003.D
 Lab ID: LCS 200-212564/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	43.5	88	61-142	
Chlorodifluoromethane	35.4	34.3	97	60-147	
1,2-Dichlorotetrafluoroethane	69.9	55.4	79	71-141	
Chloromethane	20.6	20.0	97	56-141	
n-Butane	23.8	28.0	118	53-151	
Vinyl chloride	25.6	23.9	94	61-135	
1,3-Butadiene	22.1	22.0	99	58-139	
Bromomethane	38.8	32.9	85	72-124	
Chloroethane	26.4	25.1	95	68-130	
Bromoethene (Vinyl Bromide)	43.7	38.5	88	75-125	
Trichlorofluoromethane	56.2	50.0	89	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	64.6	84	70-121	
1,1-Dichloroethene	39.6	31.7	80	68-120	
Ethanol	28.3	26.5	94	50-150	
Acetone	23.7	23.4	99	54-154	
Isopropyl alcohol	24.6	26.7	109	53-142	
Carbon disulfide	31.1	28.2	90	71-138	
3-Chloropropene	31.3	25.3	81	50-150	
Methylene Chloride	34.7	33.9	98	59-137	
tert-Butyl alcohol	30.3	28.6	94	66-132	
Methyl tert-butyl ether	36.0	33.6	93	70-127	
trans-1,2-Dichloroethene	39.6	37.9	96	69-137	
n-Hexane	35.2	34.1	97	63-138	
1,1-Dichloroethane	40.5	36.6	90	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	27.0	92	72-124	
cis-1,2-Dichloroethene	39.6	33.0	83	72-121	
Chloroform	48.8	44.1	90	73-124	
Tetrahydrofuran	29.5	29.2	99	60-149	
1,1,1-Trichloroethane	54.6	47.9	88	72-127	
Cyclohexane	34.4	30.4	88	76-124	
Carbon tetrachloride	62.9	54.7	87	71-133	
2,2,4-Trimethylpentane	46.7	44.9	96	68-131	
Benzene	31.9	28.9	90	73-119	
1,2-Dichloroethane	40.5	37.7	93	68-135	
n-Heptane	41.0	41.2	101	60-142	
Trichloroethene	53.7	47.2	88	73-122	
Methyl methacrylate	40.9	38.8	95	73-129	
1,2-Dichloropropane	46.2	43.8	95	69-128	
1,4-Dioxane	36.0	30.8	85	66-129	
Bromodichloromethane	67.0	59.9	89	75-127	
cis-1,3-Dichloropropene	45.4	41.4	91	74-125	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Matrix: Air Level: Low Lab File ID: 63588_003.D
 Lab ID: LCS 200-212564/3 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	42.6	104	58-144	
Toluene	37.7	32.5	86	75-122	
trans-1,3-Dichloropropene	45.4	44.7	99	74-128	
1,1,2-Trichloroethane	54.6	48.3	89	75-126	
Tetrachloroethene	67.8	54.2	80	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	42.2	103	57-143	
Dibromochloromethane	85.2	65.9	77	73-125	
1,2-Dibromoethane	76.8	64.5	84	78-122	
Chlorobenzene	46.0	38.9	85	76-119	
Ethylbenzene	43.4	37.9	87	74-122	
m,p-Xylene	86.8	74.6	86	76-121	
o-Xylene	43.4	37.0	85	73-123	
Styrene	42.6	37.2	87	74-125	
Bromoform	103	64.7	63	53-149	
Cumene	49.1	41.4	84	73-123	
1,1,2,2-Tetrachloroethane	68.6	60.3	88	74-126	
n-Propylbenzene	49.1	43.2	88	73-127	
4-Ethyltoluene	49.2	43.1	88	75-129	
1,3,5-Trimethylbenzene	49.2	41.8	85	72-126	
2-Chlorotoluene	51.8	44.7	86	74-126	
tert-Butylbenzene	54.9	45.1	82	71-125	
1,2,4-Trimethylbenzene	49.2	41.8	85	71-129	
sec-Butylbenzene	54.9	46.7	85	70-128	
4-Isopropyltoluene	54.9	44.7	82	68-130	
1,3-Dichlorobenzene	60.1	49.0	82	69-131	
1,4-Dichlorobenzene	60.1	49.7	83	67-132	
Benzyl chloride	51.8	43.9	85	60-136	
n-Butylbenzene	54.9	48.8	89	65-137	
1,2-Dichlorobenzene	60.1	47.9	80	68-129	
1,2,4-Trichlorobenzene	74.2	64.6	87	50-150	
Hexachlorobutadiene	107	88.0	82	58-130	
Naphthalene	52.4	47.6	91	50-150	

Column to be used to flag recovery and RPD values
 FORM III TO-15

AIR - GC/MS VOA DUPLICATE SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Matrix: AirLevel: LowLab File ID: 63569_027.DLab ID: 200-76392-5 DUClient ID: SV122024KT005 DU

COMPOUND	SAMPLE CONCENTRATION (ug/m3)	DUPLICATE CONCENTRATION (ug/m3)	%RPD	%RPD LIMIT	#
Dichlorodifluoromethane	2.3 J	2.32 J	2	25	
Chlorodifluoromethane	0.91 J	0.948 J	5	25	
1,2-Dichlorotetrafluoroethane	1.4 U	1.4 U	NC	25	
Chloromethane	3.8	3.94	3	25	
n-Butane	0.84 J	0.829 J	0.8	25	
Vinyl chloride	0.20 U	0.20 U	NC	25	
1,3-Butadiene	0.44 U	0.44 U	NC	25	
Bromomethane	0.78 U	0.78 U	NC	25	
Chloroethane	1.3 U	1.3 U	NC	25	
Bromoethene (Vinyl Bromide)	0.87 U	0.87 U	NC	25	
Trichlorofluoromethane	1.5	1.44	2	25	
1,1,2-Trichlorotrifluoroethane	0.57 J	0.574 J	1	25	
1,1-Dichloroethene	0.20 U	0.20 U	NC	25	
Ethanol	17	17.2	2	25	
Acetone	31	31.7	2	25	
Isopropyl alcohol	3.9 J	4.11 J	4	25	
Carbon disulfide	17	17.0	1	25	
3-Chloropropene	1.6 U	1.6 U	NC	25	
Methylene Chloride	1.7 U	1.7 U	NC	25	
tert-Butyl alcohol	15 U	15 U	NC	25	
Methyl tert-butyl ether	0.72 U	0.72 U	NC	25	
trans-1,2-Dichloroethene	0.79 U	0.79 U	NC	25	
n-Hexane	0.81 J	0.818 J	0.7	25	
1,1-Dichloroethane	0.81 U	0.81 U	NC	25	
Methyl Ethyl Ketone (2-Butanone)	8.1	8.25	2	25	
cis-1,2-Dichloroethene	0.20 U	0.20 U	NC	25	
Chloroform	0.98 U	0.98 U	NC	25	
Tetrahydrofuran	15 U	15 U	NC	25	
1,1,1-Trichloroethane	0.34 J	0.363 J	5	25	
Cyclohexane	0.36 J	0.377 J	6	25	
Carbon tetrachloride	0.37	0.377	2	25	
2,2,4-Trimethylpentane	1.9	1.92	3	25	
Benzene	34	34.2	2	25	
1,2-Dichloroethane	0.81 U	0.81 U	NC	25	
n-Heptane	1.2	1.22	2	25	
Trichloroethene	1.3	1.30	0.2	25	
Methyl methacrylate	2.0 U	2.0 U	NC	25	
1,2-Dichloropropane	0.92 U	0.92 U	NC	25	
1,4-Dioxane	18 U	18 U	NC	25	
Bromodichloromethane	1.3 U	1.3 U	NC	25	
cis-1,3-Dichloropropene	0.91 U	0.91 U	NC	25	

Column to be used to flag %RPD values

TO-15

AIR - GC/MS VOA DUPLICATE SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

SDG No.: 200-76392-1

Matrix: Air

Level: Low

Lab File ID: 63569_027.D

Lab ID: 200-76392-5 DU

Client ID: SV122024KT005 DU

COMPOUND	SAMPLE CONCENTRATION (ug/m3)	DUPLICATE CONCENTRATION (ug/m3)	%RPD	%RPD LIMIT	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.90 J	0.934 J	4	25	
Toluene	8.0	8.13	2	25	
trans-1,3-Dichloropropene	0.91 U	0.91 U	NC	25	
1,1,2-Trichloroethane	1.1 U	1.1 U	NC	25	
Tetrachloroethene	460	463	0.7	25	
Methyl Butyl Ketone (2-Hexanone)	2.0 U	2.0 U	NC	25	
Dibromochloromethane	1.7 U	1.7 U	NC	25	
1,2-Dibromoethane	1.5 U	1.5 U	NC	25	
Chlorobenzene	0.92 U	0.92 U	NC	25	
Ethylbenzene	2.3	2.31	2	25	
m,p-Xylene	8.1	8.16	1	25	
o-Xylene	3.4	3.50	2	25	
Styrene	0.85 U	0.85 U	NC	25	
Bromoform	2.1 U	2.1 U	NC	25	
Cumene	3.3	3.35	2	25	
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	NC	25	
n-Propylbenzene	0.76 J	0.775 J	2	25	
4-Ethyltoluene	1.1	1.11	1	25	
1,3,5-Trimethylbenzene	1.1	1.07	0.8	25	
2-Chlorotoluene	1.0 U	1.0 U	NC	25	
tert-Butylbenzene	1.1 U	1.1 U	NC	25	
1,2,4-Trimethylbenzene	4.3	4.36	1	25	
sec-Butylbenzene	1.1 U	1.1 U	NC	25	
4-Isopropyltoluene	0.66 J	0.677 J	3	25	
1,3-Dichlorobenzene	1.2 U	1.2 U	NC	25	
1,4-Dichlorobenzene	1.2 U	1.2 U	NC	25	
Benzyl chloride	1.0 U	1.0 U	NC	25	
n-Butylbenzene	1.1 U	1.1 U	NC	25	
1,2-Dichlorobenzene	1.2 U	1.2 U	NC	25	
1,2,4-Trichlorobenzene	3.7 U	3.7 U	NC	25	
Hexachlorobutadiene	2.1 U	2.1 U	NC	25	
Naphthalene	2.6 U	2.6 U	NC	25	

Column to be used to flag %RPD values

TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63569_004.D Lab Sample ID: MB 200-212534/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHAM.i Date Analyzed: 01/03/2025 09:37
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 200-212534/3	63569_003.D	01/03/2025 08:45
SV122024KT005	200-76392-5	63569_026.D	01/04/2025 04:45
SV122024KT005 DU	200-76392-5 DU	63569_027.D	01/04/2025 05:36

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63568_006.D Lab Sample ID: MB 200-212533/6
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHAN.i Date Analyzed: 01/03/2025 11:24
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 200-212533/3	63568_003.D	01/03/2025 08:49
SV122024KT001	200-76392-1	63568_020.D	01/03/2025 23:37
SV122024KT001 DL	200-76392-1 DL	63568_021.D	01/04/2025 00:29
SV122024KT002	200-76392-2	63568_022.D	01/04/2025 01:21
SV122024KT003	200-76392-3	63568_023.D	01/04/2025 02:12

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63582_004.D Lab Sample ID: MB 200-212559/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHAM.i Date Analyzed: 01/04/2025 11:21
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 200-212559/3	63582_003.D	01/04/2025 10:30
SV122024KT004	200-76392-4	63582_011.D	01/04/2025 17:30
SV122024KT004 DL	200-76392-4 DL	63582_012.D	01/04/2025 18:21
SV122024KT005 DL	200-76392-5 DL	63582_013.D	01/04/2025 19:13

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63588_005.D Lab Sample ID: MB 200-212564/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHAN.i Date Analyzed: 01/06/2025 10:54
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 200-212564/3	63588_003.D	01/06/2025 09:09
SV122024KT006	200-76392-6	63588_010.D	01/06/2025 15:12
SV122024KT007	200-76392-7	63588_011.D	01/06/2025 16:03

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63469_001.D BFB Injection Date: 12/20/2024
Instrument ID: CHAM.i BFB Injection Time: 14:29
Analysis Batch No.: 212331

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.0
75	30.0 - 66.0% of mass 95	50.9
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	62.0
175	4.0 - 9.0 % of mass 174	4.6 (7.5) 1
176	93.0 - 101.0% of mass 174	59.9 (96.7) 1
177	5.0 - 9.0% of mass 176	4.0 (6.7) 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 200-212331/4	63469_004.D	12/20/2024	17:03
	IC 200-212331/5	63469_005.D	12/20/2024	17:54
	ICIS 200-212331/9	63469_009.D	12/20/2024	21:19
	IC 200-212331/10	63469_010.D	12/20/2024	22:10
	IC 200-212331/13	63469_013.D	12/21/2024	0:44
	IC 200-212331/14	63469_014.D	12/21/2024	1:35
	IC 200-212331/15	63469_015.D	12/21/2024	2:27
	IC 200-212331/24	63469_024.D	12/21/2024	11:06
	ICV 200-212348/3	6379_003.D	12/21/2024	15:02

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63569_001.D BFB Injection Date: 01/03/2025
Instrument ID: CHAM.i BFB Injection Time: 07:06
Analysis Batch No.: 212534

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.6
75	30.0 - 66.0% of mass 95	46.0
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	76.7
175	4.0 - 9.0 % of mass 174	5.8 (7.6) 1
176	93.0 - 101.0% of mass 174	74.4 (97.0) 1
177	5.0 - 9.0% of mass 176	4.9 (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
	CCVIS 200-212534/2	63569_002.D	01/03/2025	7:54
	LCS 200-212534/3	63569_003.D	01/03/2025	8:45
	MB 200-212534/4	63569_004.D	01/03/2025	9:37
SV122024KT005	200-76392-5	63569_026.D	01/04/2025	4:45
SV122024KT005 DU	200-76392-5 DU	63569_027.D	01/04/2025	5:36

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63582_001.D BFB Injection Date: 01/04/2025
Instrument ID: CHAM.i BFB Injection Time: 08:50
Analysis Batch No.: 212559

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.9
75	30.0 - 66.0% of mass 95	47.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	73.7
175	4.0 - 9.0 % of mass 174	5.6 (7.6) 1
176	93.0 - 101.0% of mass 174	72.2 (97.9) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 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 200-212559/2	63582_002.D	01/04/2025	9:39
	LCS 200-212559/3	63582_003.D	01/04/2025	10:30
	MB 200-212559/4	63582_004.D	01/04/2025	11:21
SV122024KT004	200-76392-4	63582_011.D	01/04/2025	17:30
SV122024KT004 DL	200-76392-4 DL	63582_012.D	01/04/2025	18:21
SV122024KT005 DL	200-76392-5 DL	63582_013.D	01/04/2025	19:13

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63422_001.D BFB Injection Date: 12/18/2024
Instrument ID: CHAN.i BFB Injection Time: 14:01
Analysis Batch No.: 212230

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.1
75	30.0 - 66.0% of mass 95	55.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	69.0
175	4.0 - 9.0 % of mass 174	5.8 (8.4) 1
176	93.0 - 101.0% of mass 174	65.7 (95.2) 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
	IC 200-212230/3	63422_003.D	12/18/2024	15:43
	IC 200-212230/6	63422_006.D	12/18/2024	18:17
	IC 200-212230/8	63422_008.D	12/18/2024	20:00
	ICIS 200-212230/9	63422_009.D	12/18/2024	20:52
	IC 200-212230/10	63422_010.D	12/18/2024	21:44
	IC 200-212230/12	63422_012.D	12/18/2024	23:27
	IC 200-212230/14	63422_014.D	12/19/2024	1:10
	IC 200-212230/15	63422_015.D	12/19/2024	2:02
	ICV 200-212230/19	63422_019.D	12/19/2024	5:29

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63568_001.D BFB Injection Date: 01/03/2025
Instrument ID: CHAN.i BFB Injection Time: 07:08
Analysis Batch No.: 212533

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	27.4
75	30.0 - 66.0% of mass 95	58.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	66.7
175	4.0 - 9.0 % of mass 174	5.8 (8.7) 1
176	93.0 - 101.0% of mass 174	64.4 (96.5) 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 200-212533/2	63568_002.D	01/03/2025	7:57
	LCS 200-212533/3	63568_003.D	01/03/2025	8:49
	MB 200-212533/6	63568_006.D	01/03/2025	11:24
SV122024KT001	200-76392-1	63568_020.D	01/03/2025	23:37
SV122024KT001 DL	200-76392-1 DL	63568_021.D	01/04/2025	0:29
SV122024KT002	200-76392-2	63568_022.D	01/04/2025	1:21
SV122024KT003	200-76392-3	63568_023.D	01/04/2025	2:12

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: 63588_001.D BFB Injection Date: 01/06/2025
Instrument ID: CHAN.i BFB Injection Time: 07:30
Analysis Batch No.: 212564

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	28.0
75	30.0 - 66.0% of mass 95	58.0
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	61.9
175	4.0 - 9.0 % of mass 174	5.5 (9.0) 1
176	93.0 - 101.0% of mass 174	59.6 (96.3) 1
177	5.0 - 9.0% of mass 176	3.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-212564/2	63588_002.D	01/06/2025	8:18
	LCS 200-212564/3	63588_003.D	01/06/2025	9:09
	MB 200-212564/5	63588_005.D	01/06/2025	10:54
SV122024KT006	200-76392-6	63588_010.D	01/06/2025	15:12
SV122024KT007	200-76392-7	63588_011.D	01/06/2025	16:03

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Sample No.: ICIS 200-212331/9 Date Analyzed: 12/20/2024 21:19
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 63469_009.D Heated Purge: (Y/N) N
Calibration ID: 54228

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		253975	11.68	1234076	13.53	1121581	19.04
UPPER LIMIT		355565	12.01	1727706	13.86	1570213	19.37
LOWER LIMIT		152385	11.35	740446	13.20	672949	18.71
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-212348/3		326653	11.68	1572110	13.53	1420915	19.04

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

Area Limit = 60%-140% of internal standard area
RT Limit = $\pm$ 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.: 200-76392-1
 SDG No.: 200-76392-1
 Sample No.: CCVIS 200-212534/2 Date Analyzed: 01/03/2025 07:54
 Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 63569_002.D Heated Purge: (Y/N) N
 Calibration ID: 54228

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		320288	11.68	1536016	13.53	1393845	19.04
UPPER LIMIT		448403	12.01	2150422	13.86	1951383	19.37
LOWER LIMIT		192173	11.35	921610	13.20	836307	18.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-212534/3		330700	11.68	1578353	13.53	1434150	19.04
MB 200-212534/4		316654	11.68	1524720	13.53	1367959	19.04
200-76392-5	SV122024KT005	263238	11.68	1268450	13.53	1145107	19.04
200-76392-5 DU	SV122024KT005 DU	260244	11.68	1247882	13.53	1130579	19.04

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-76392-1
 SDG No.: 200-76392-1
 Sample No.: CCVIS 200-212559/2 Date Analyzed: 01/04/2025 09:39
 Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 63582_002.D Heated Purge: (Y/N) N
 Calibration ID: 54228

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		273197	11.68	1314047	13.53	1197544	19.04
UPPER LIMIT		382476	12.01	1839666	13.86	1676562	19.37
LOWER LIMIT		163918	11.35	788428	13.20	718526	18.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-212559/3		286204	11.68	1372845	13.53	1241780	19.04
MB 200-212559/4		281631	11.68	1356469	13.53	1207443	19.04
200-76392-4	SV122024KT004	247383	11.68	1200230	13.53	1082892	19.04
200-76392-4 DL	SV122024KT004 DL	245000	11.68	1162755	13.53	1042375	19.04
200-76392-5 DL	SV122024KT005 DL	235370	11.68	1119917	13.53	1012712	19.04

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-76392-1
SDG No.: 200-76392-1
Sample No.: ICIS 200-212230/9 Date Analyzed: 12/18/2024 20:52
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 63422_009.D Heated Purge: (Y/N) N
Calibration ID: 54201

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		370378	11.55	1834269	13.39	1654984	18.86
UPPER LIMIT		518529	11.88	2567977	13.72	2316978	19.19
LOWER LIMIT		222227	11.22	1100561	13.06	992990	18.53
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-212230/19		507122	11.55	2491898	13.39	2176621	18.86

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

Area Limit = 60%-140% of internal standard area
RT Limit = $\pm$ 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.: 200-76392-1
 SDG No.: 200-76392-1
 Sample No.: CCVIS 200-212533/2 Date Analyzed: 01/03/2025 07:57
 Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 63568_002.D Heated Purge: (Y/N) N
 Calibration ID: 54201

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		323813	11.54	1621005	13.39	1508823	18.86
UPPER LIMIT		453338	11.87	2269407	13.72	2112352	19.19
LOWER LIMIT		194288	11.21	972603	13.06	905294	18.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-212533/3		364661	11.55	1815030	13.39	1658000	18.86
MB 200-212533/6		429112	11.55	2183676	13.39	1852325	18.86
200-76392-1	SV122024KT001	340284	11.55	1710192	13.39	1510457	18.86
200-76392-1 DL	SV122024KT001 DL	322670	11.55	1601942	13.39	1427101	18.86
200-76392-2	SV122024KT002	317853	11.55	1582710	13.39	1427005	18.86
200-76392-3	SV122024KT003	312209	11.55	1551722	13.39	1395790	18.86

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-76392-1
 SDG No.: 200-76392-1
 Sample No.: CCVIS 200-212564/2 Date Analyzed: 01/06/2025 08:18
 Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 63588_002.D Heated Purge: (Y/N) N
 Calibration ID: 54201

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		390341	11.54	1989861	13.38	1842696	18.86
UPPER LIMIT		546477	11.87	2785805	13.71	2579774	19.19
LOWER LIMIT		234205	11.21	1193917	13.05	1105618	18.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-212564/3		454723	11.54	2288809	13.38	2062445	18.86
MB 200-212564/5		414977	11.54	2289700	13.38	1974161	18.86
200-76392-6	SV122024KT006	370793	11.55	1868869	13.39	1656582	18.86
200-76392-7	SV122024KT007	350452	11.54	1757059	13.38	1576864	18.86

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001</u>	Lab Sample ID: <u>200-76392-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 23:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.0	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.52	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	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	0.94	J	1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.43	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
64-17-5	Ethanol	46.07	9.4	U	9.4	4.9
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	0.49	J	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	0.15	J	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	0.19	J	0.20	0.083
67-66-3	Chloroform	119.38	0.51	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.3		1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001</u>	Lab Sample ID: <u>200-76392-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 23:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	3.3		0.22	0.14
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	1.5		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	280	E	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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: SV122024KT001 Lab Sample ID: 200-76392-1
Matrix: Air Lab File ID: 63568_020.D
Analysis Method: TO-15 Date Collected: 12/20/2024 09:03
Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 23:37
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.: 212533 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001</u>	Lab Sample ID: <u>200-76392-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 23:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.40	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.15	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	0.50	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	0.17	J	0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.056	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
64-17-5	Ethanol	46.07	5.0	U	5.0	2.6
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	0.12	J	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	0.037	J	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	0.047	J	0.050	0.021
67-66-3	Chloroform	119.38	0.10	J	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	0.23		0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001</u>	Lab Sample ID: <u>200-76392-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 23:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.53		0.035	0.022
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	0.27		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	42	E	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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001</u>	Lab Sample ID: <u>200-76392-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 23:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D
 Lims ID: 200-76392-A-1
 Client ID: SV122024KT001
 Sample Type: Client
 Inject. Date: 03-Jan-2025 23:37:29 ALS Bottle#: 18 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063568-020
 Misc. Info.: 76392-1
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jan-2025 21:03:44 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1603

First Level Reviewer: YWL8

Date: 05-Jan-2025 21:03:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.438	4.455	-0.011	98	49981	0.4018	
3 Chlorodifluoromethane	51	4.481	4.492	-0.011	97	14402	0.1474	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.802	4.802	-0.011	1	1865	0.0140	7M
5 Chloromethane	50	4.920	4.931	-0.011	96	4022	0.0680	
6 Vinyl chloride	62		5.225				ND	
7 Butane	43		5.230				ND	7
8 Butadiene	54		5.343				ND	7
9 Bromomethane	94		6.065				ND	
10 Chloroethane	64		6.333				ND	
13 Vinyl bromide	106		6.755				ND	
14 Trichlorofluoromethane	101	6.926	6.915	0.005	97	18166	0.1680	
16 Ethanol	45	7.306	7.269	0.037	98	11209	0.3873	
20 1,1-Dichloroethene	96		7.975				ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.023	8.021	0.005	86	5057	0.0558	
22 Acetone	43	8.060	8.037	0.026	99	55612	0.5951	
23 Isopropyl alcohol	45	8.349	8.349	0.026	98	11372	0.1215	
24 Carbon disulfide	76	8.376	8.376	0.000	99	16313	0.1144	
26 3-Chloro-1-propene	41		8.660				ND	7
27 Methylene Chloride	49	8.890	8.884	0.006	94	5865	0.0844	
28 2-Methyl-2-propanol	59		9.088				ND	7
30 trans-1,2-Dichloroethene	61	9.398	9.392	0.011	90	9880	0.1239	
31 Methyl tert-butyl ether	73		9.393				ND	
32 Hexane	57	9.917	9.906	0.011	95	3709	0.0423	
33 1,1-Dichloroethane	63	10.152	10.152	0.005	94	3821	0.0374	
36 2-Butanone (MEK)	72	11.142	11.105	0.038	99	1309	0.0498	
37 cis-1,2-Dichloroethene	96	11.152	11.152	0.015	82	2444	0.0473	M
* 39 Chlorobromomethane	128	11.548	11.543	0.005	91	340284	10.0	
40 Tetrahydrofuran	42		11.591				ND	7
41 Chloroform	83	11.725	11.730	0.000	94	10850	0.1035	
42 1,1,1-Trichloroethane	97	12.035	12.041	-0.006	95	23139	0.2312	
43 Cyclohexane	84		12.185				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.324	12.314	0.005	93	49748	0.5271	
45 Benzene	78	12.656	12.656	-0.005	95	3827	0.0238	M
46 1,2-Dichloroethane	62		12.725				ND	
47 Isooctane	57		12.891				ND	
48 n-Heptane	43	13.191	13.191	-0.005	87	2787	0.0230	M
* 49 1,4-Difluorobenzene	114	13.389	13.389	0.000	98	1710192	10.0	
51 Trichloroethene	95	13.827	13.822	0.005	88	18044	0.2718	
53 1,2-Dichloropropane	63		14.272				ND	
54 Methyl methacrylate	69		14.363				ND	
55 1,4-Dioxane	88		14.400				ND	7
58 Dichlorobromomethane	83		14.737				ND	
59 cis-1,3-Dichloropropene	75		15.539				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.796				ND	7
62 Toluene	92	16.192	16.187	0.005	91	6263	0.0582	
66 trans-1,3-Dichloropropene	75		16.588				ND	7
67 1,1,2-Trichloroethane	83		16.963				ND	MU
68 Tetrachloroethene	166	17.182	17.182	0.000	89	2895814	41.6	E
69 2-Hexanone	43		17.369				ND	7
70 Chlorodibromomethane	129		17.701				ND	
71 Ethylene Dibromide	107		17.942				ND	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	95	1510457	10.0	
74 Chlorobenzene	112		18.915				ND	
75 Ethylbenzene	91	19.118	19.113	0.005	93	2796	0.0116	
76 m-Xylene & p-Xylene	106	19.359	19.359	-0.016	0	3664	0.0427	M
78 o-Xylene	106	20.151	20.140	0.005	97	1341	0.0160	
79 Styrene	104		20.178				ND	7
81 Bromoform	173		20.509				ND	
82 Isopropylbenzene	105		20.836				ND	
83 1,1,2,2-Tetrachloroethane	83		21.333				ND	7
85 N-Propylbenzene	91		21.547				ND	7
86 2-Chlorotoluene	91		21.692				ND	7
87 4-Ethyltoluene	105		21.740				ND	7
88 1,3,5-Trimethylbenzene	105		21.836				ND	7
91 tert-Butylbenzene	119		22.318				ND	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	85	4320	0.0208	
93 sec-Butylbenzene	105		22.639				ND	
94 1,3-Dichlorobenzene	146		22.804				ND	7
95 4-Isopropyltoluene	119		22.853				ND	7
96 1,4-Dichlorobenzene	146		22.949				ND	7
97 Benzyl chloride	91		23.088				ND	7
98 n-Butylbenzene	91		23.409				ND	7
99 1,2-Dichlorobenzene	146		23.436				ND	7
102 1,2,4-Trichlorobenzene	180		25.886				ND	7
103 Hexachlorobutadiene	225		26.137				ND	
104 Naphthalene	128		26.362				ND	7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Worklist Smp#: 20

Client ID: SV122024KT001

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

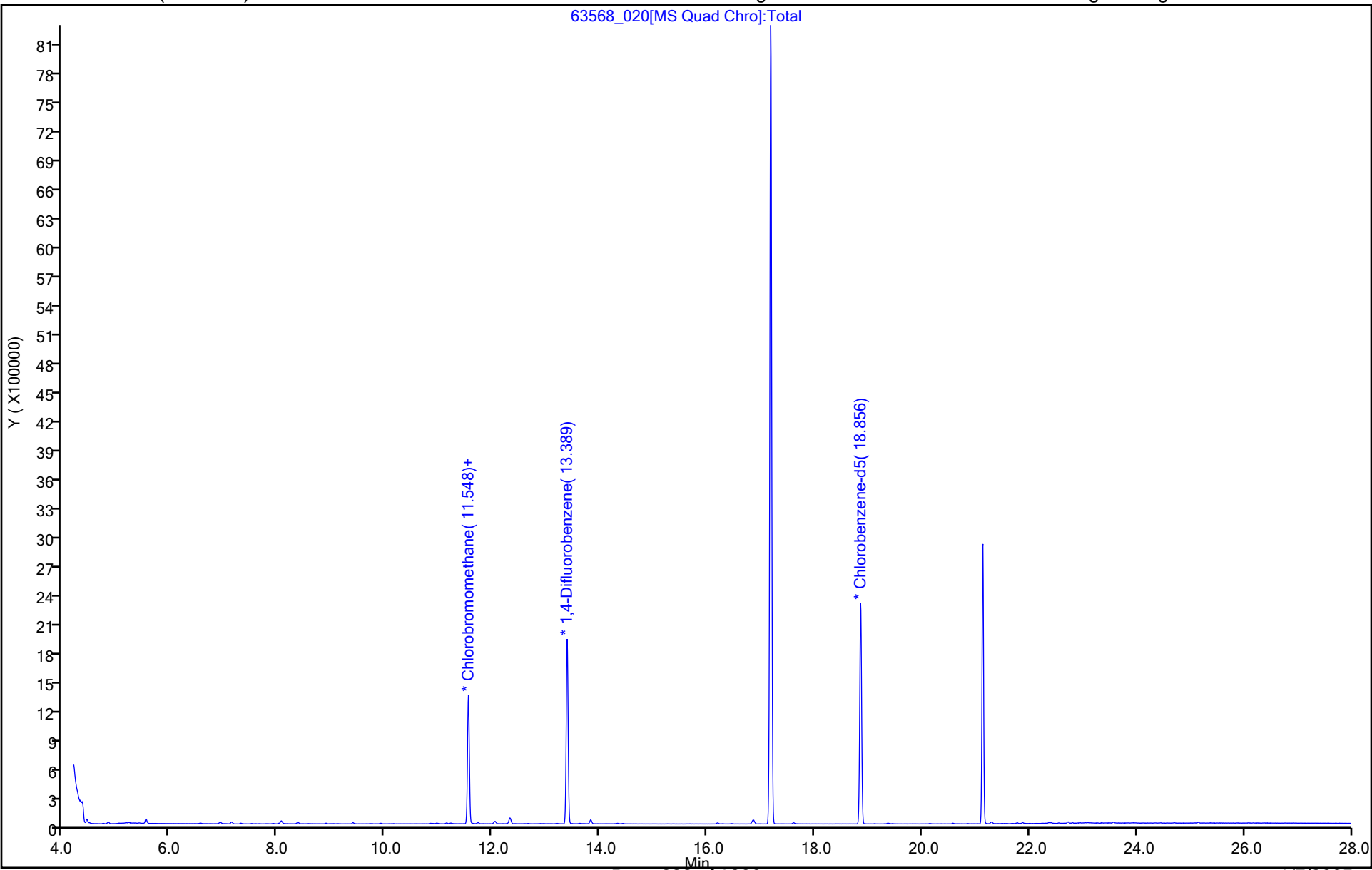
ALS Bottle#: 18

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\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

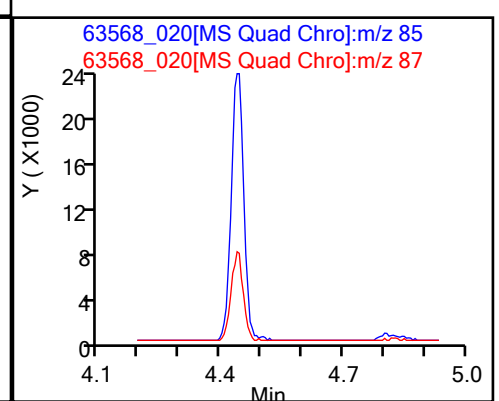
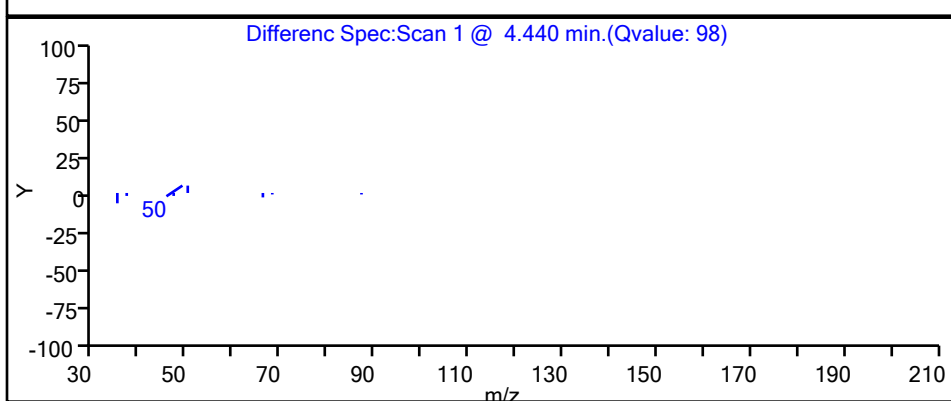
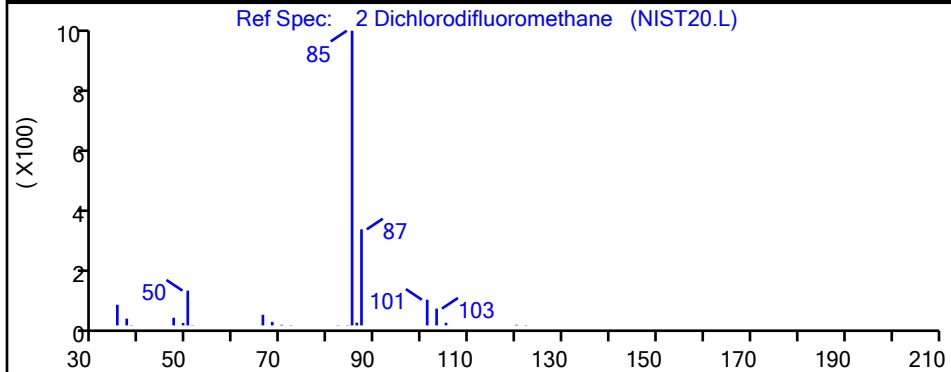
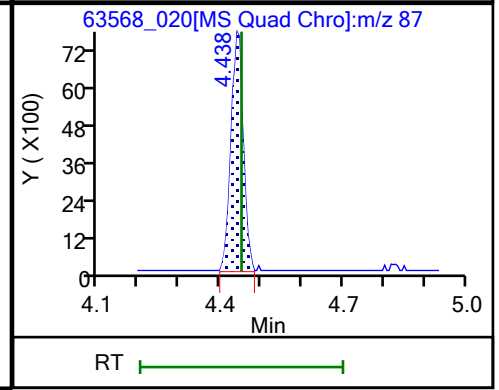
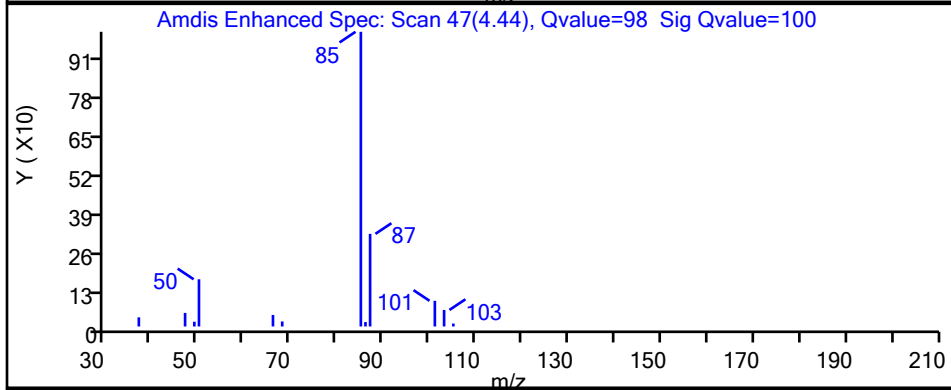
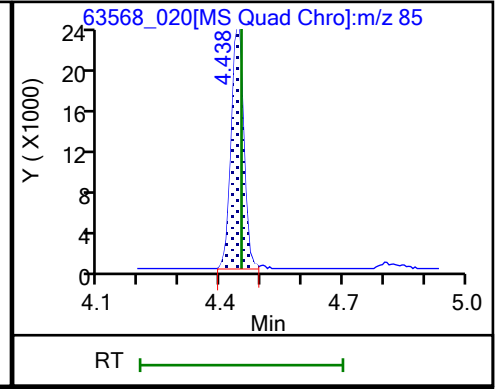
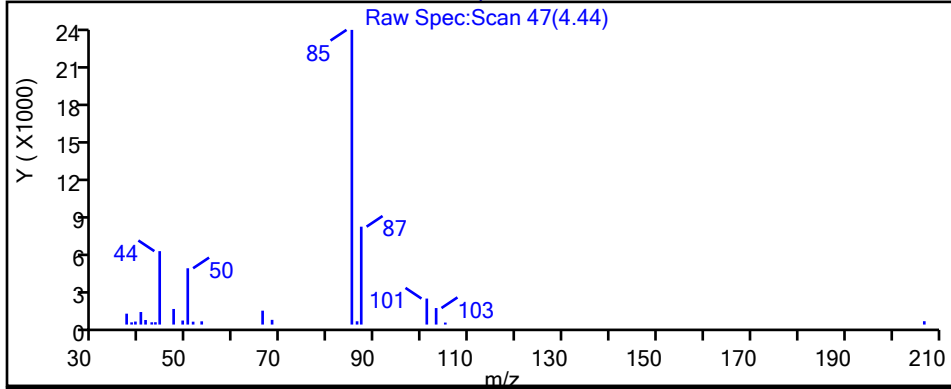
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

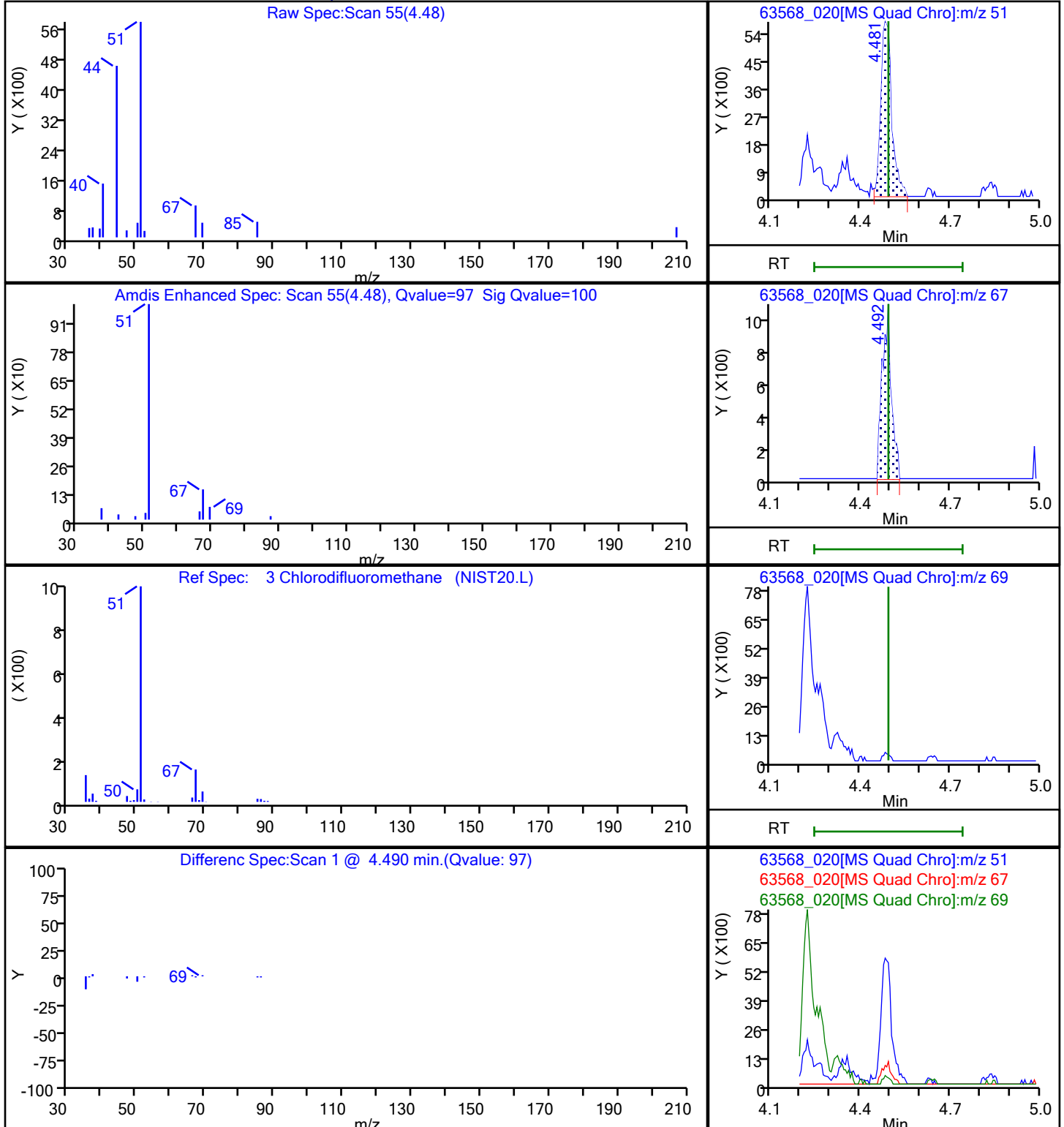
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

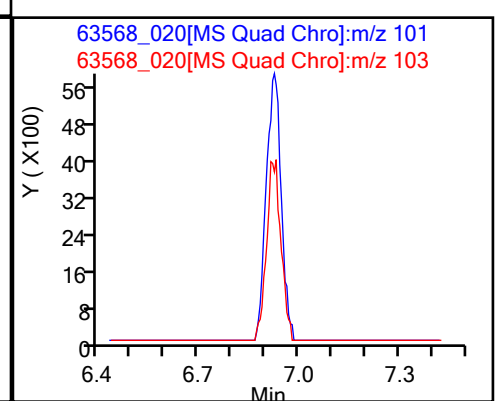
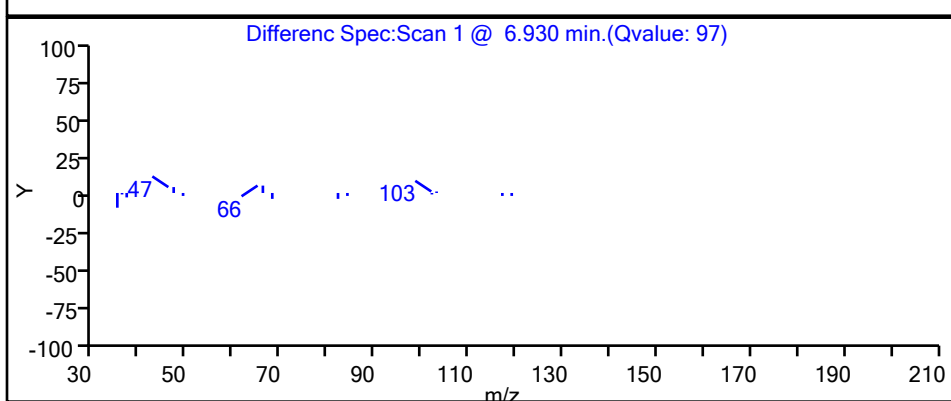
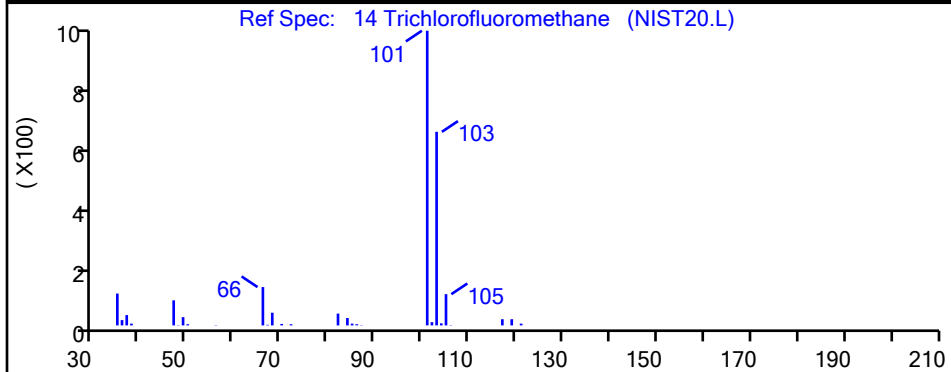
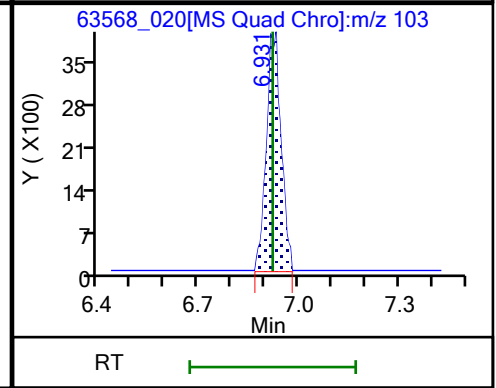
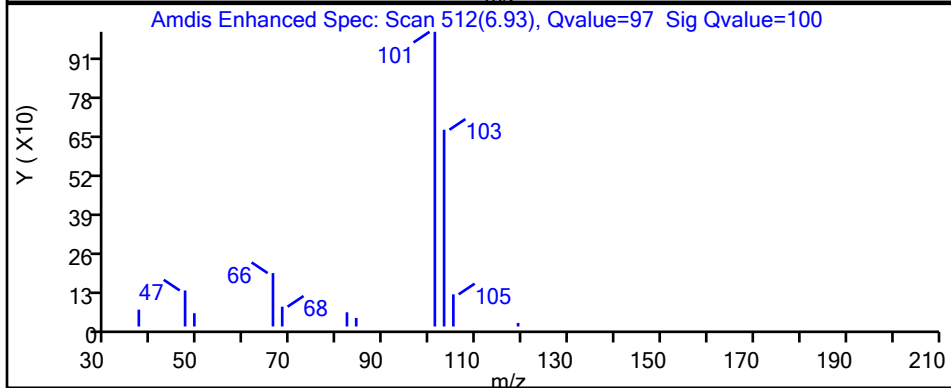
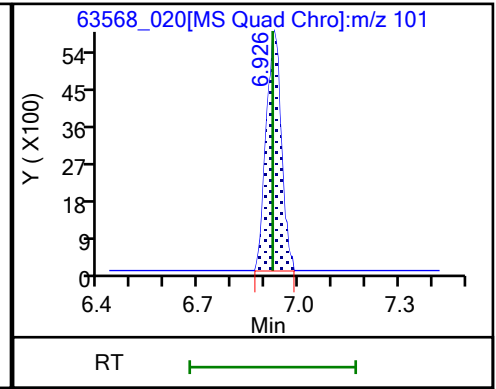
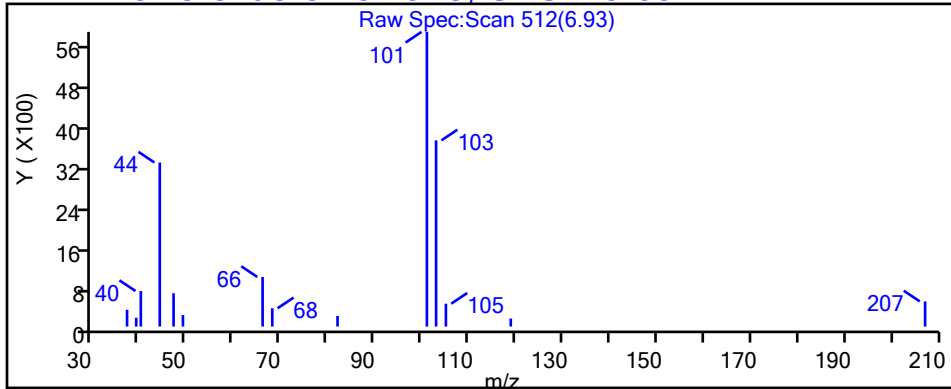
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

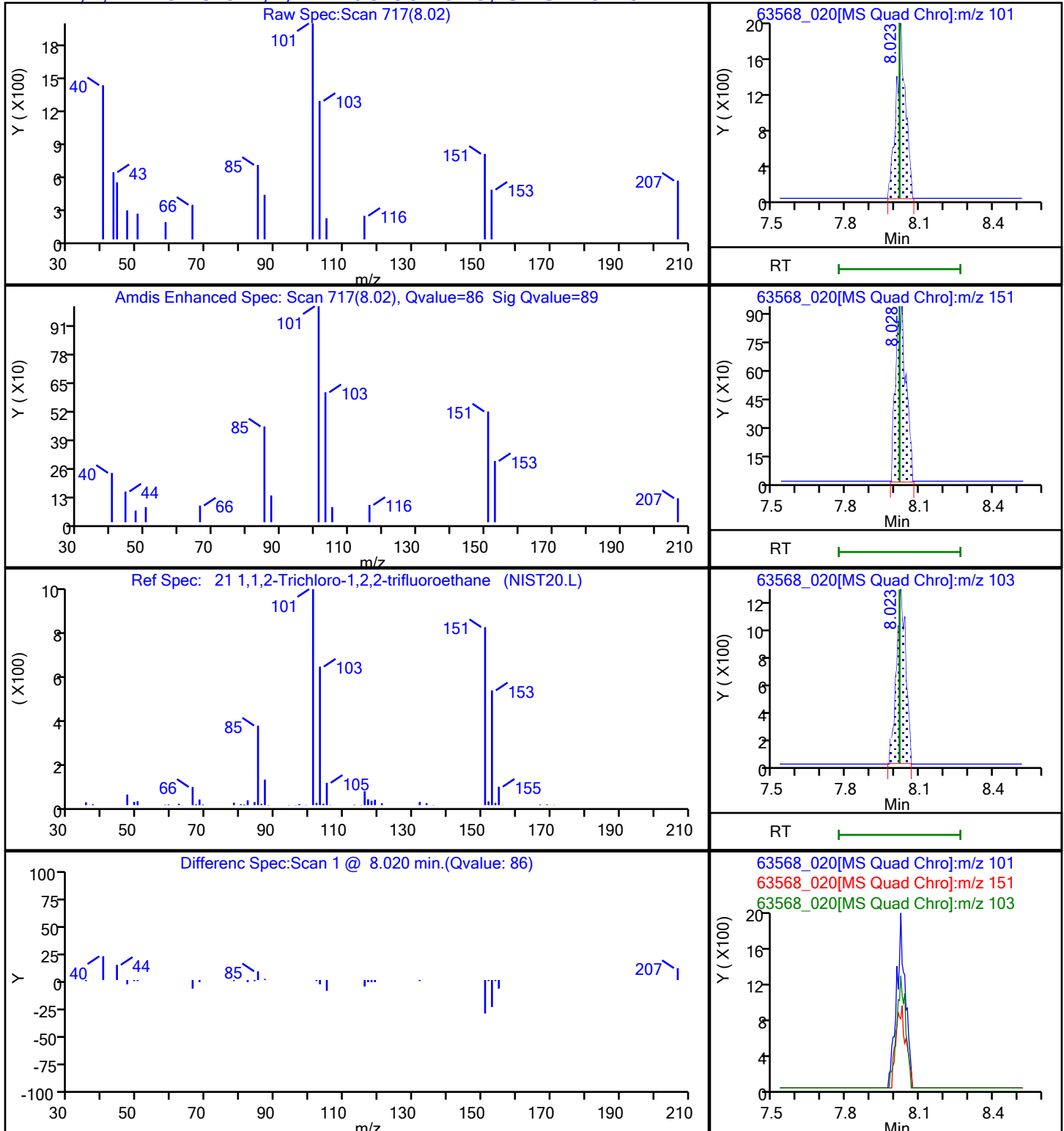
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

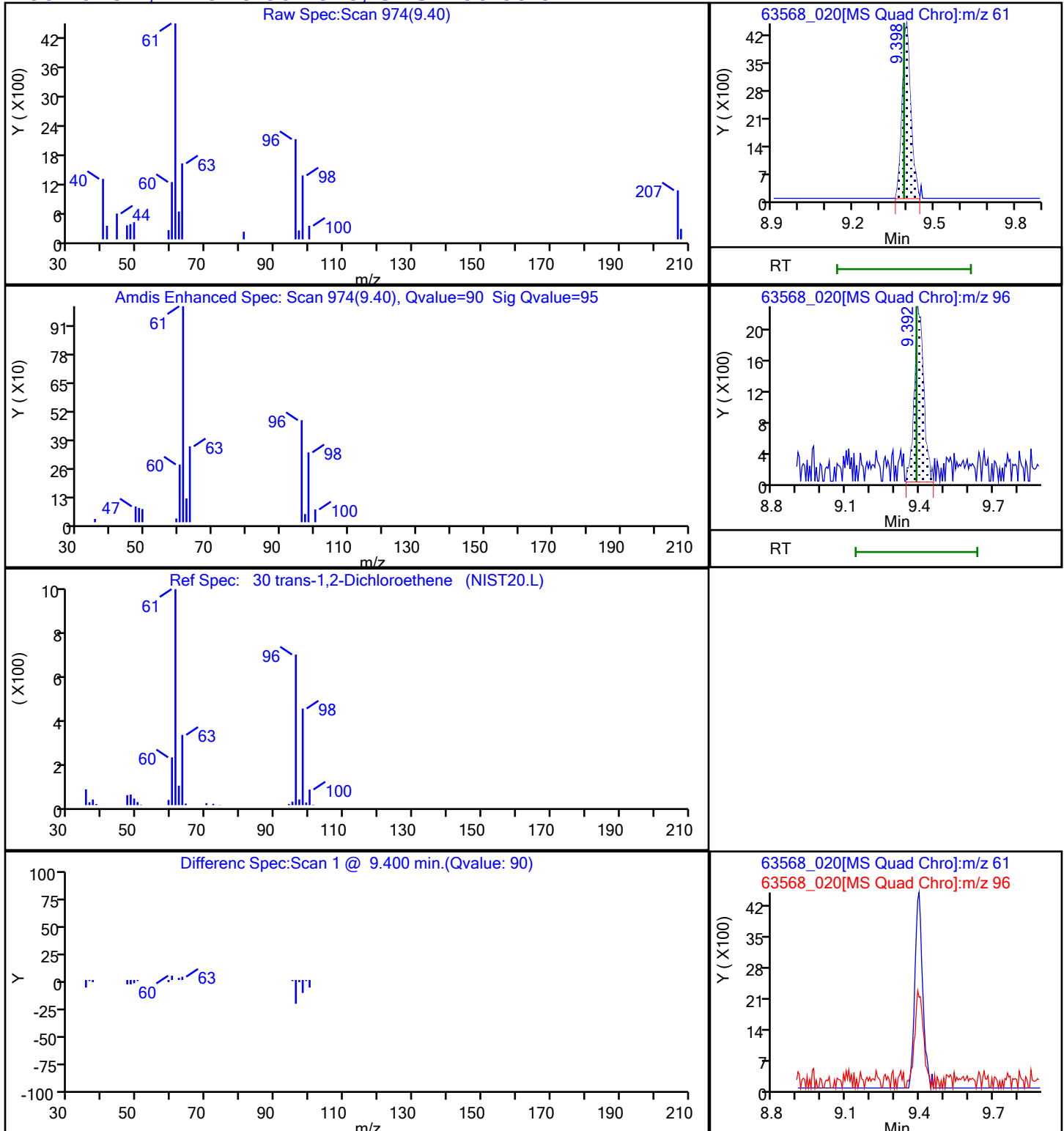
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

30 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

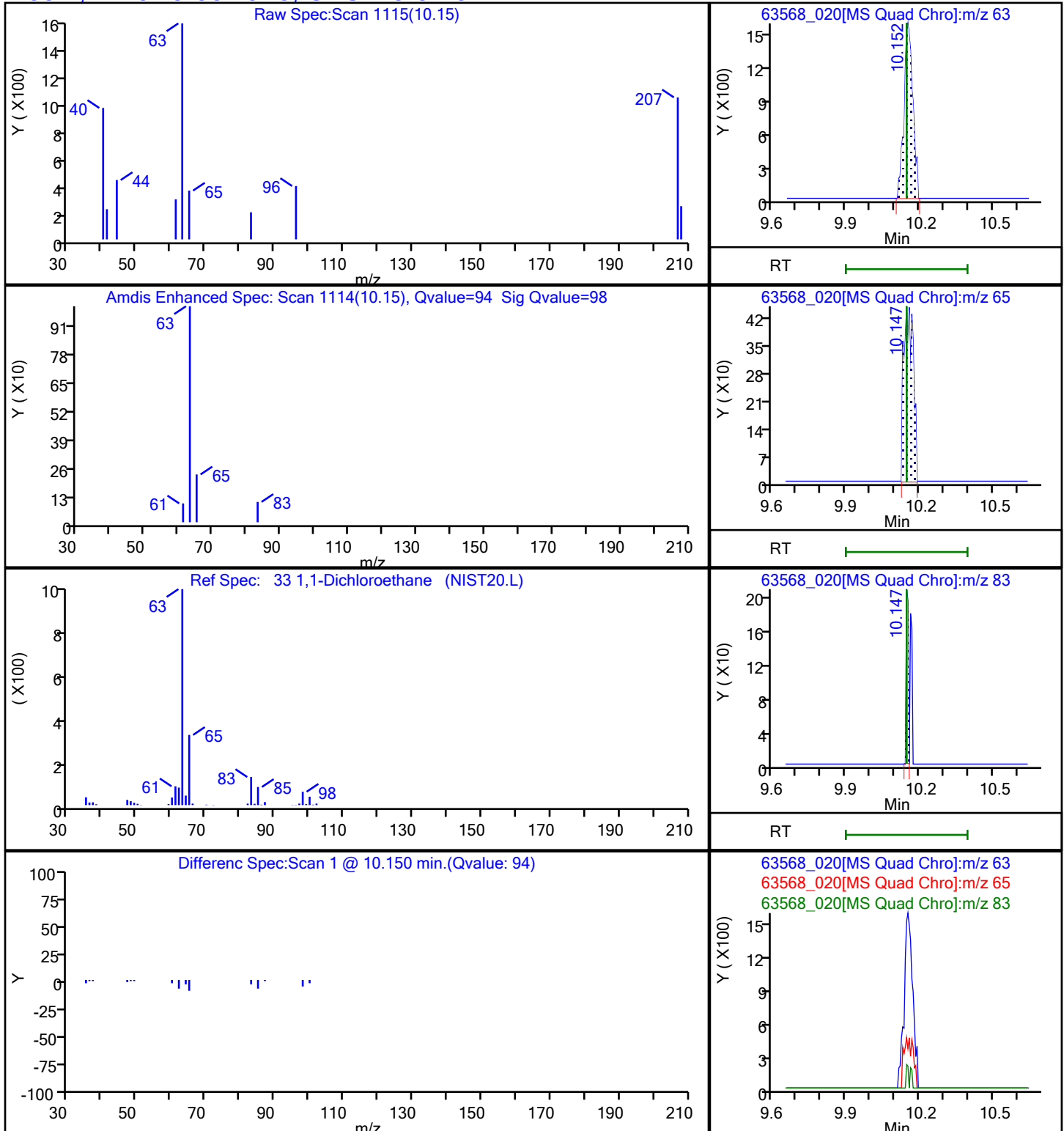
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

33 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

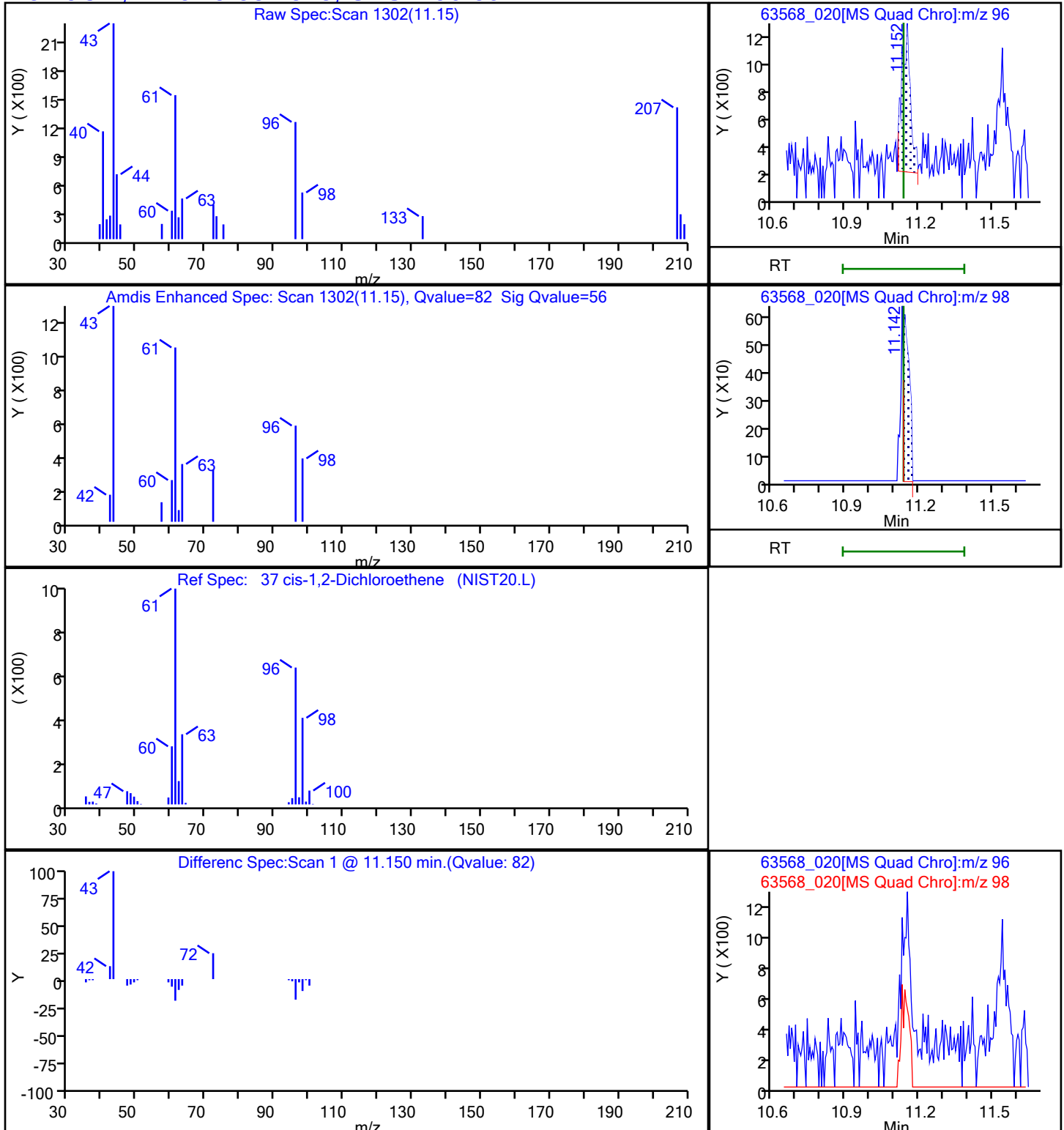
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

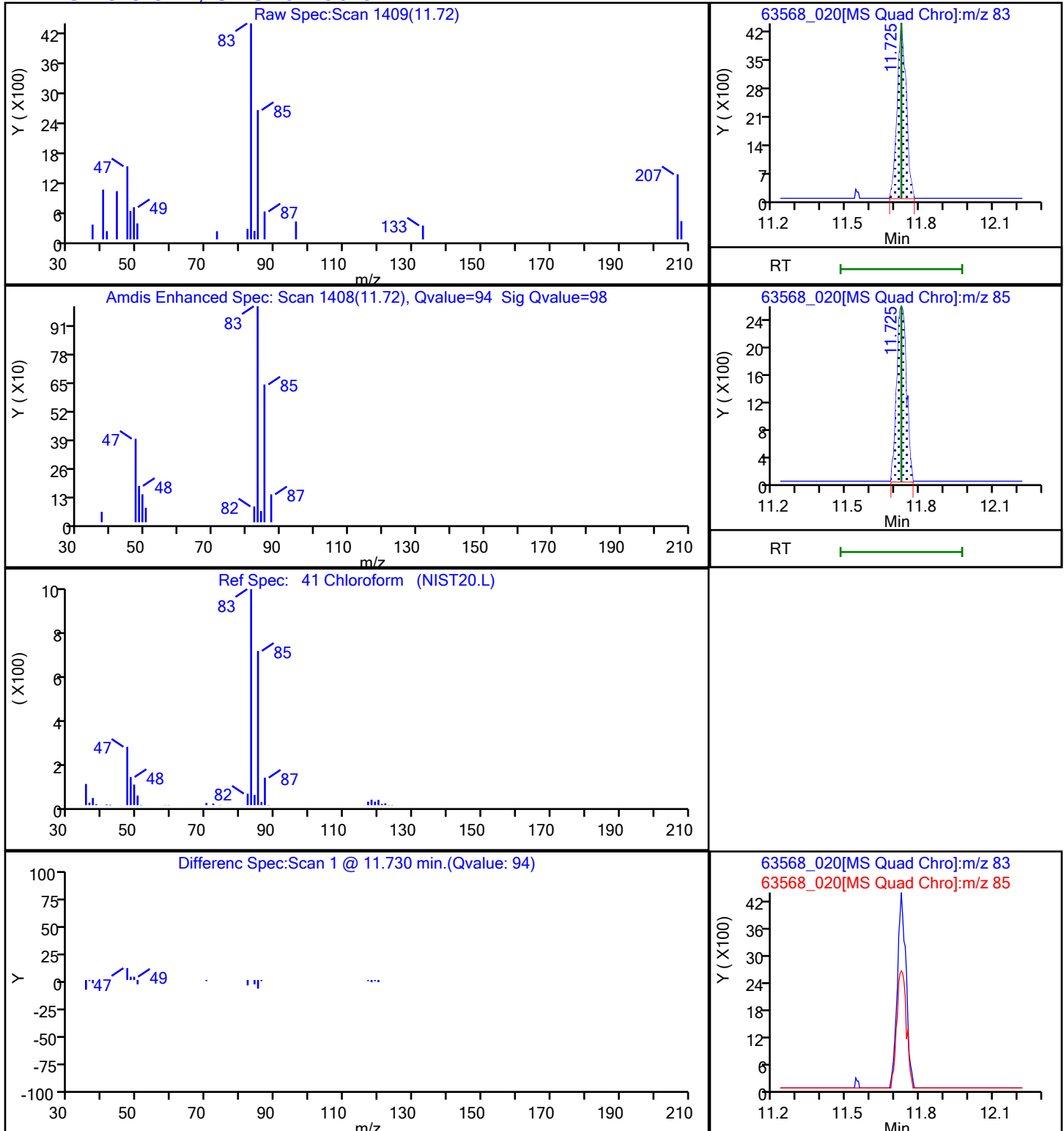
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

41 Chloroform, CAS: 67-66-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

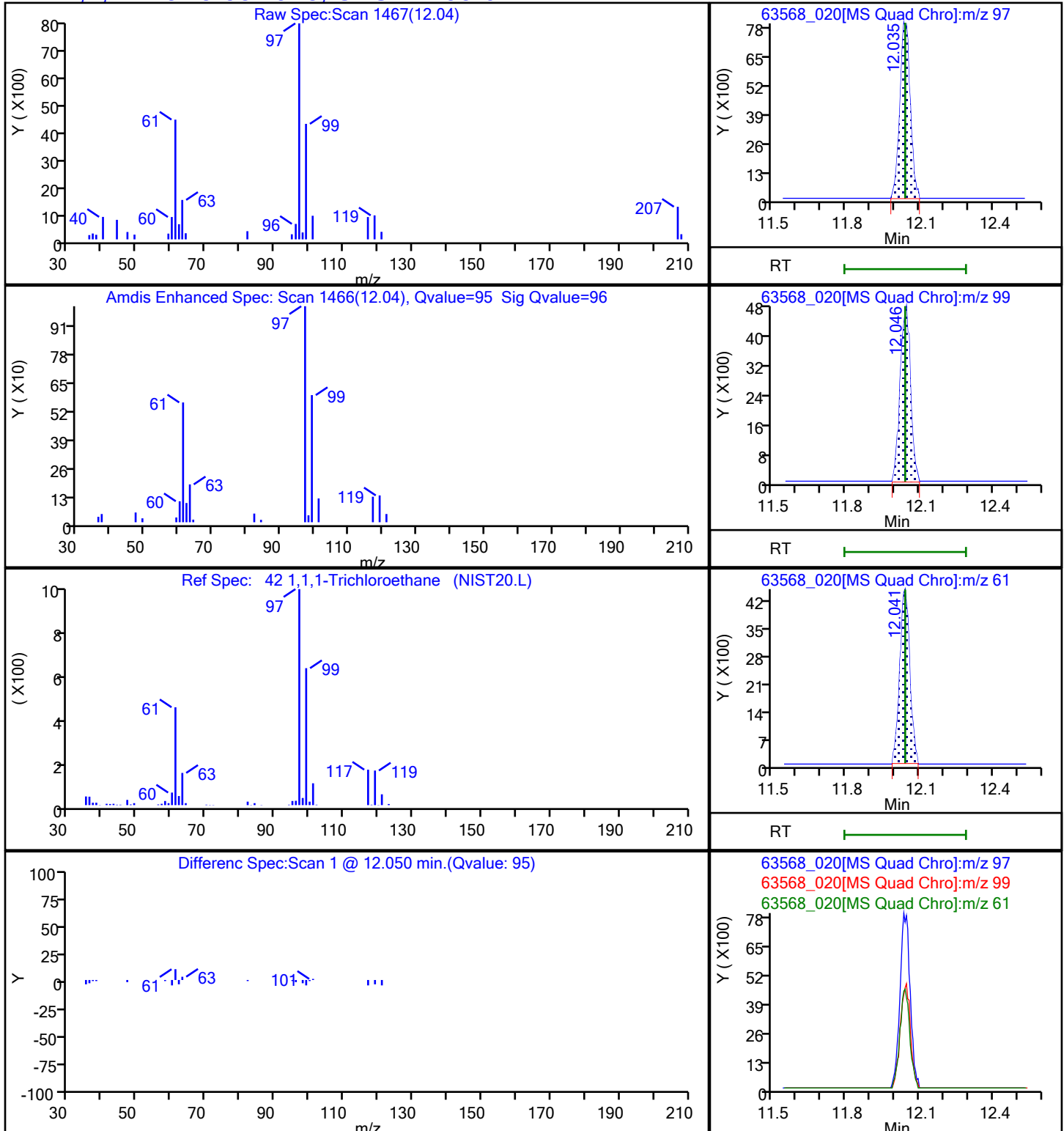
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

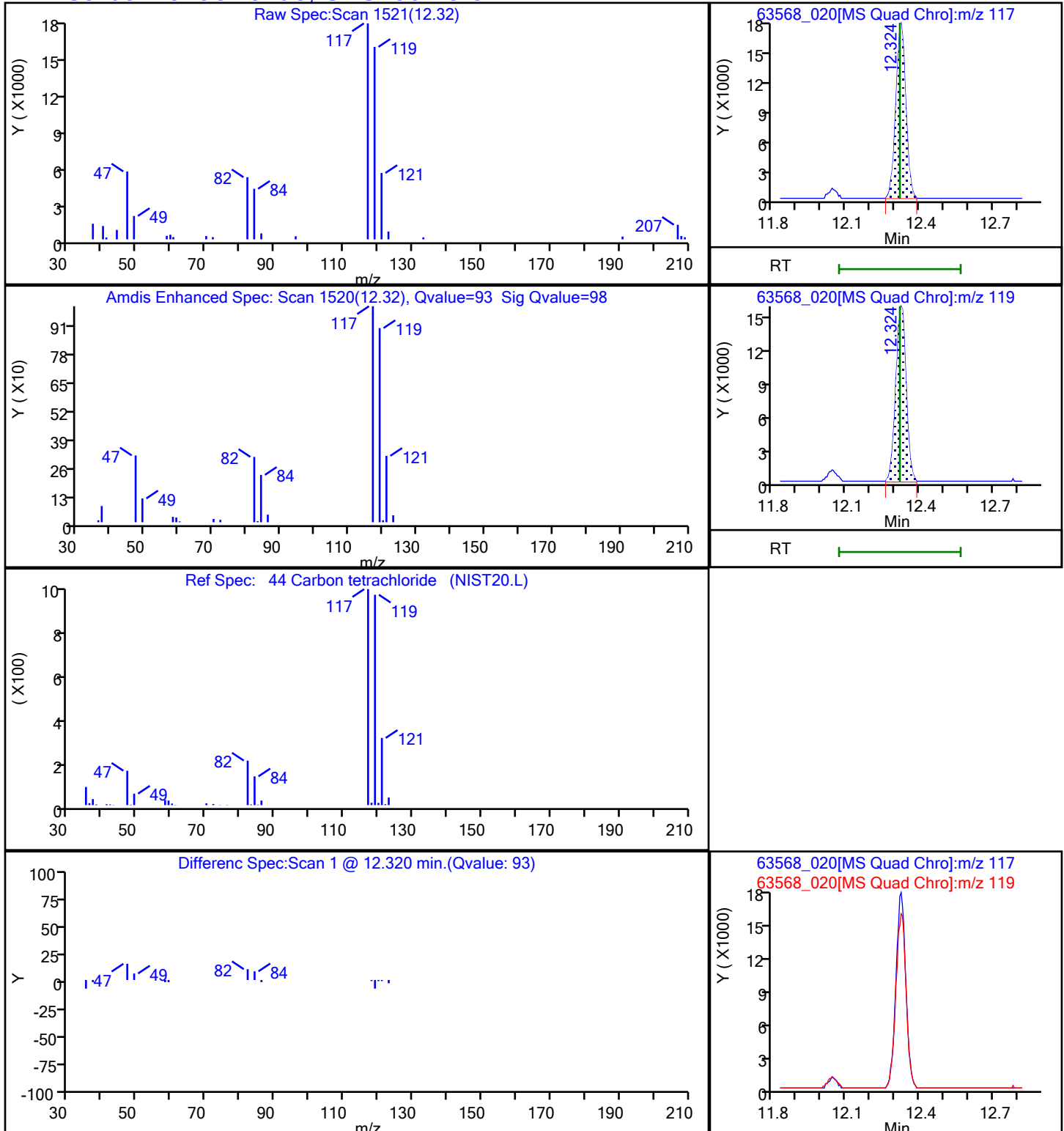
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

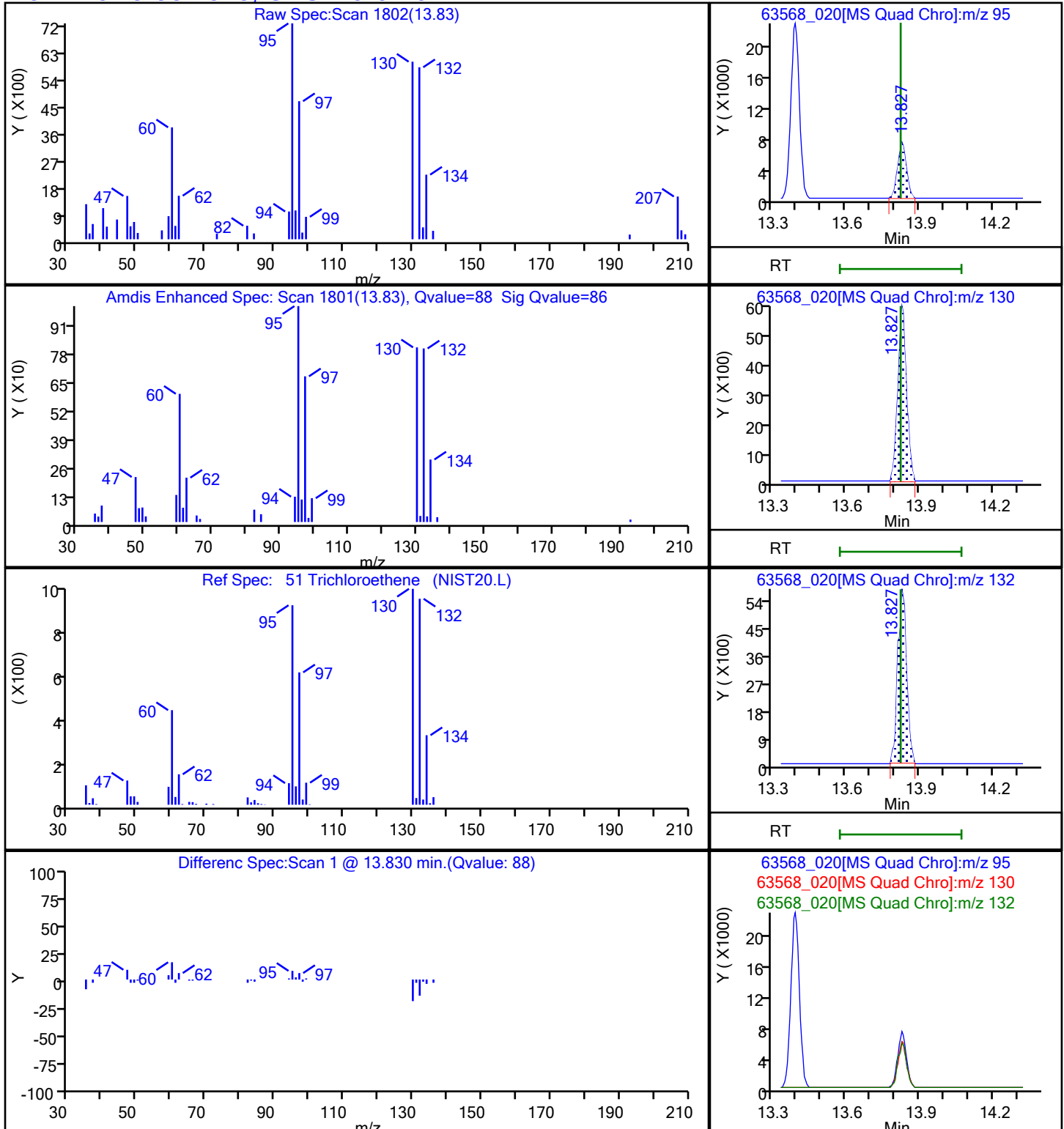
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

51 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 200.000 mL

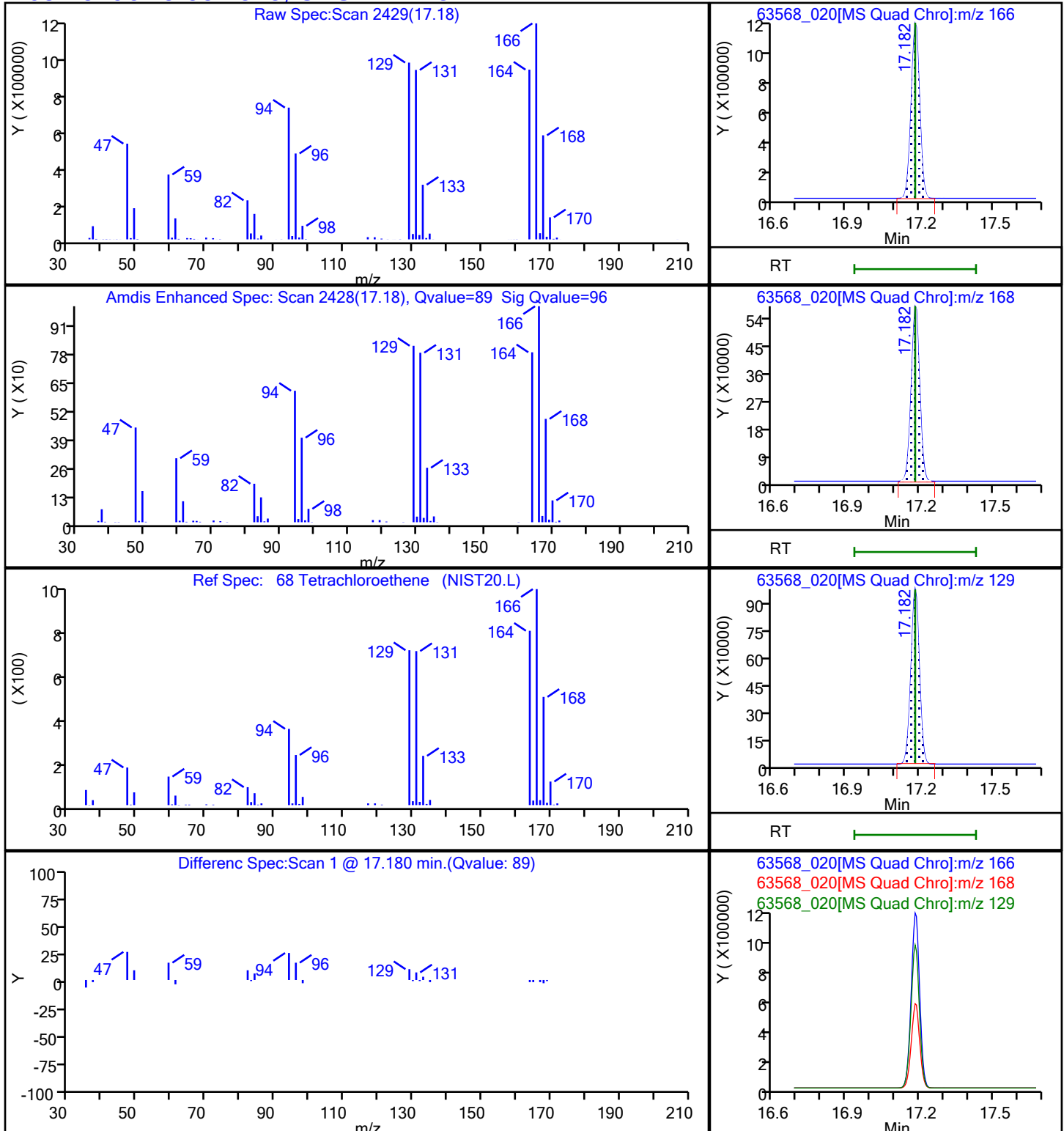
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

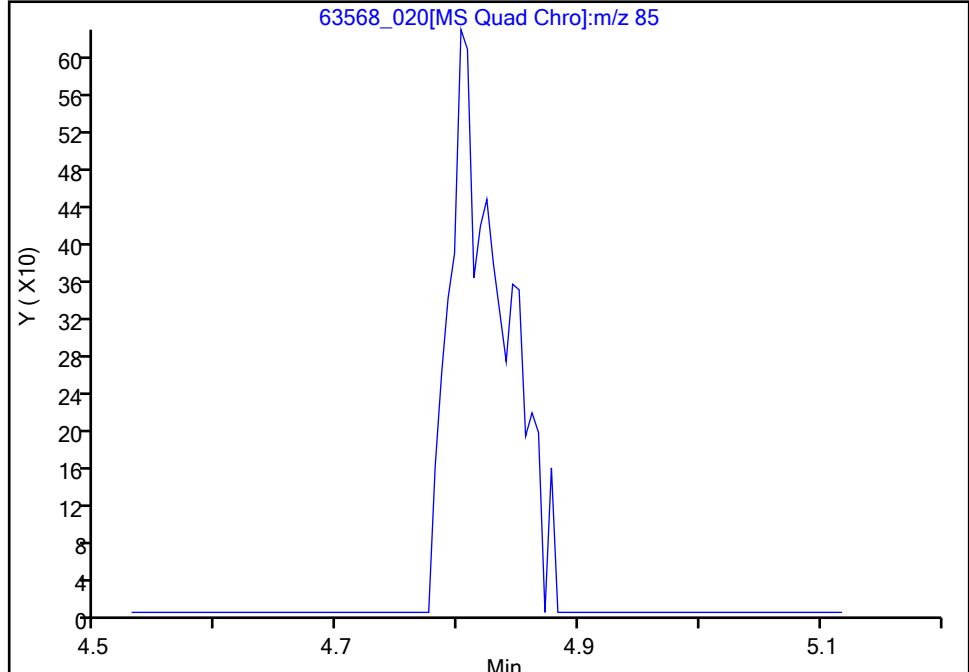
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Injection Date: 03-Jan-2025 23:37:29 Instrument ID: CHAN.i
Lims ID: 200-76392-A-1 Lab Sample ID: 200-76392-1
Client ID: SV122024KT001
Operator ID: wrd ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoro, CAS: 76-14-2

Signal: 1

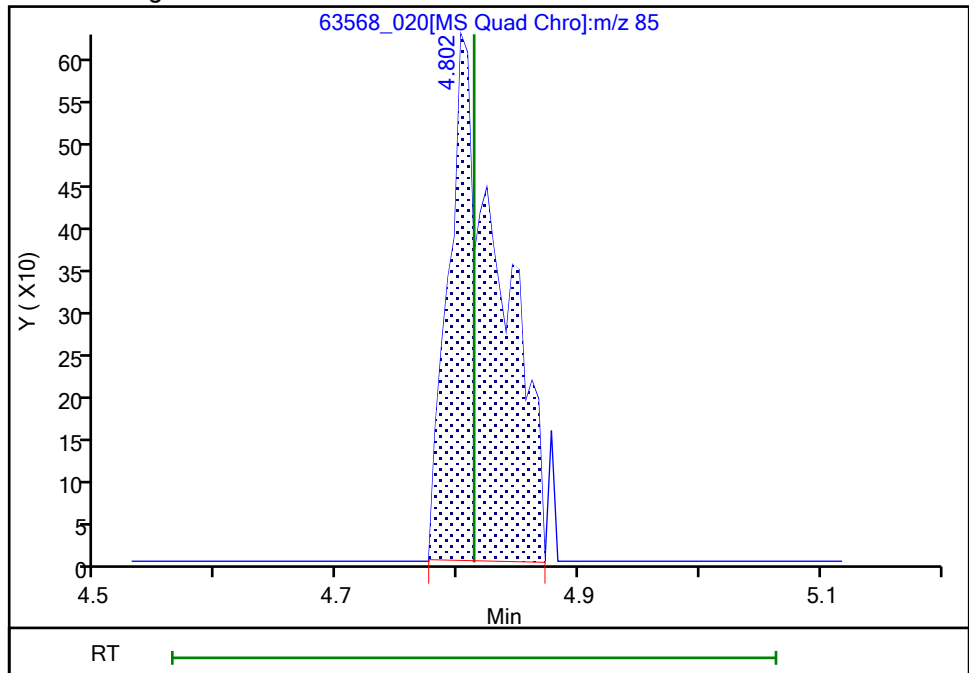
Not Detected
Expected RT: 4.81

Processing Integration Results



RT: 4.80
Area: 1865
Amount: 0.013958
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:01:07 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#:

18

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group:

AI_TO15_ICAL

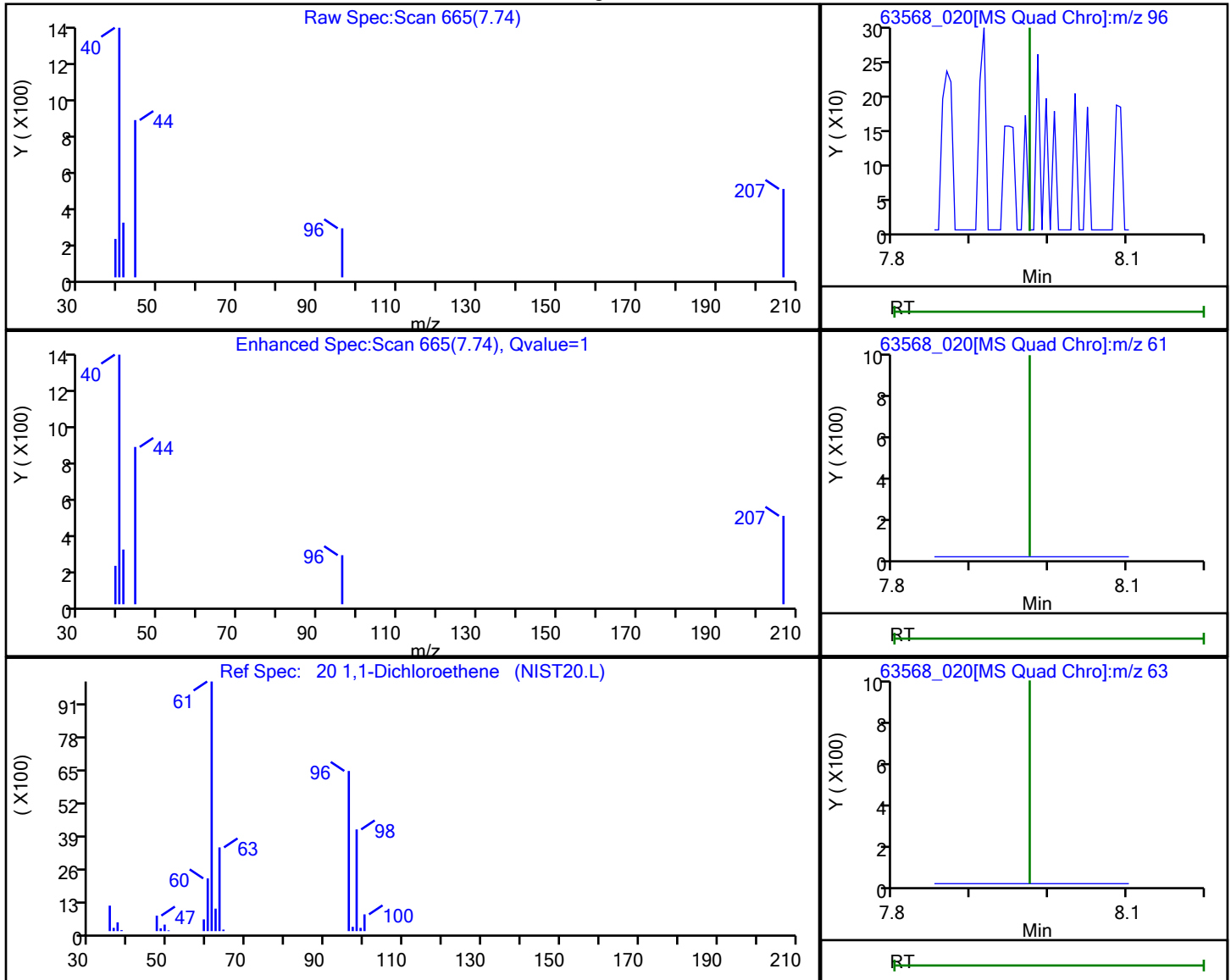
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
7.74	96.00	369	0.007766
7.97	61.00	0	
7.97	63.00	0	

Reviewer: YWL8, 05-Jan-2025 21:01:49 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

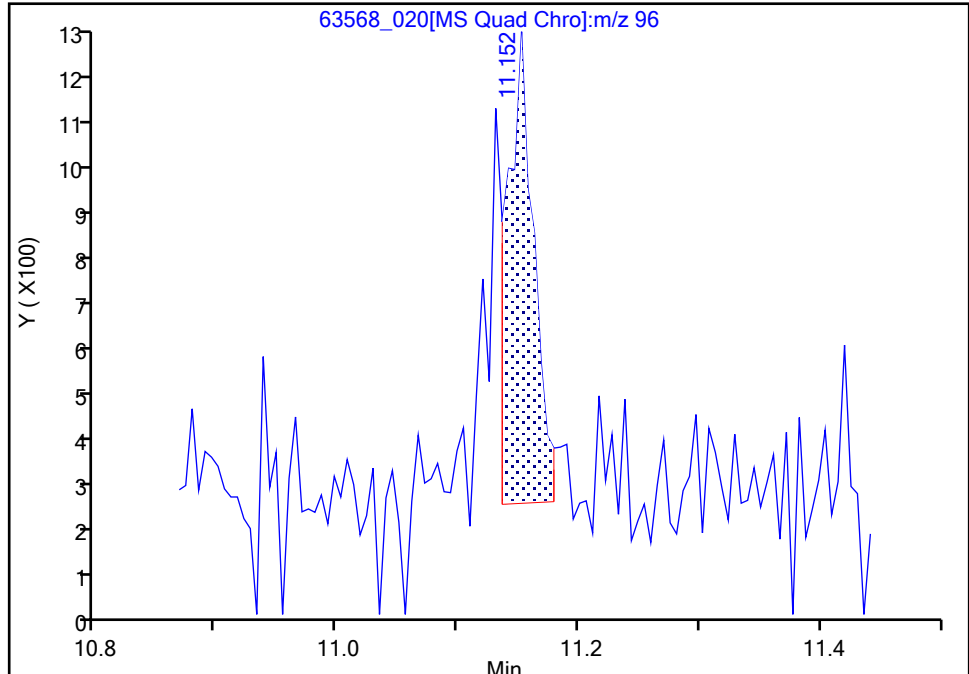
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D
Injection Date: 03-Jan-2025 23:37:29 Instrument ID: CHAN.i
Lims ID: 200-76392-A-1 Lab Sample ID: 200-76392-1
Client ID: SV122024KT001
Operator ID: wrd ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

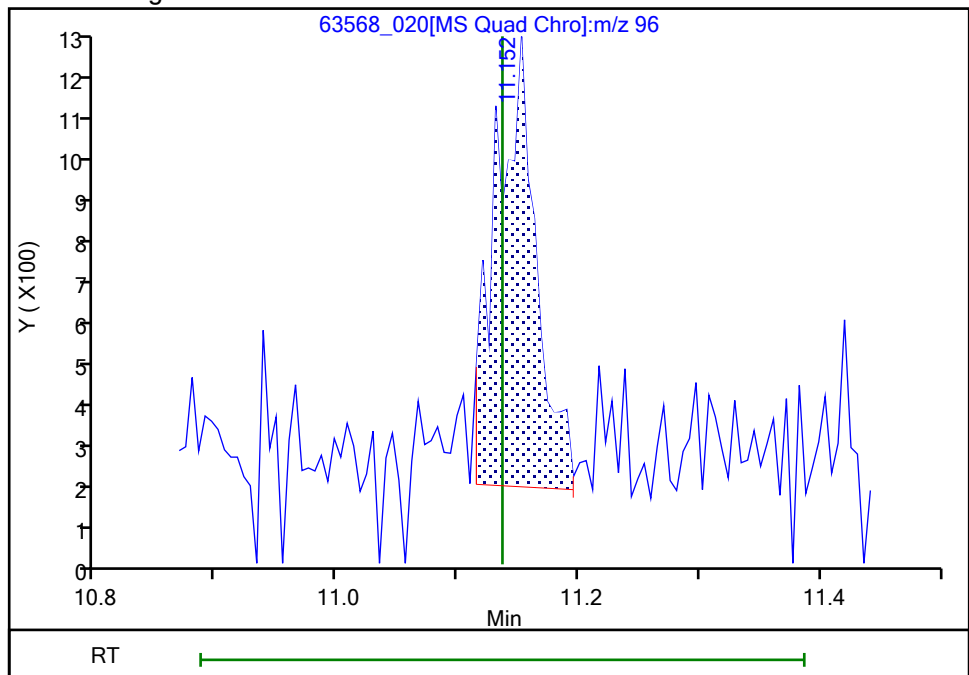
RT: 11.15
Area: 1520
Amount: 0.029409
Amount Units: ppb v/v

Processing Integration Results



RT: 11.15
Area: 2444
Amount: 0.047286
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:02:13 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

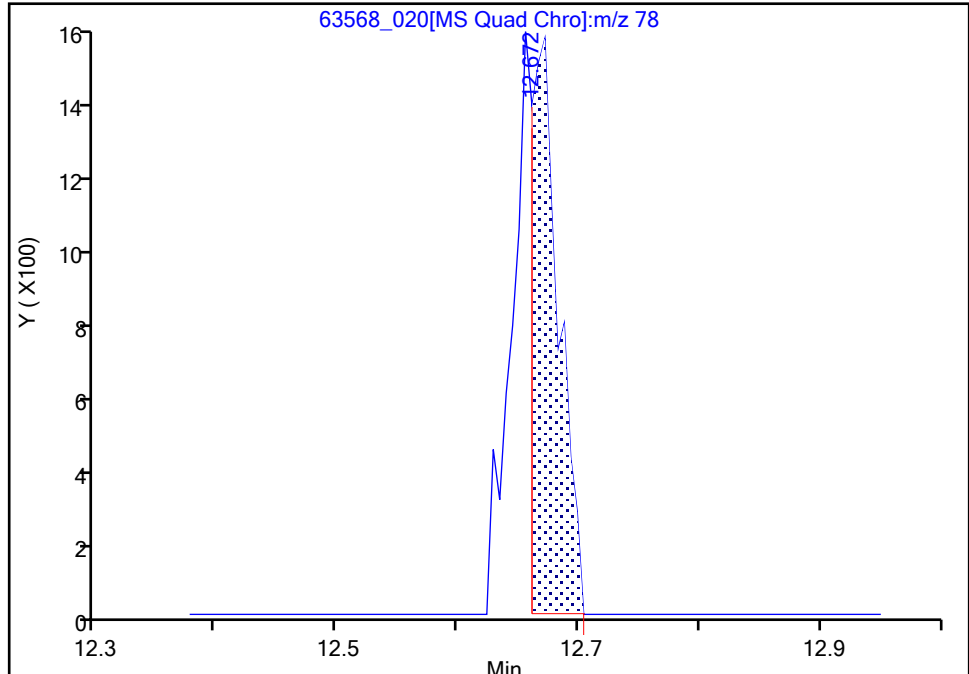
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Injection Date:	03-Jan-2025 23:37:29	Instrument ID:	CHAN.i
Lims ID:	200-76392-A-1	Lab Sample ID:	200-76392-1
Client ID:	SV122024KT001		
Operator ID:	wrd	ALS Bottle#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	20

45 Benzene, CAS: 71-43-2

Signal: 1

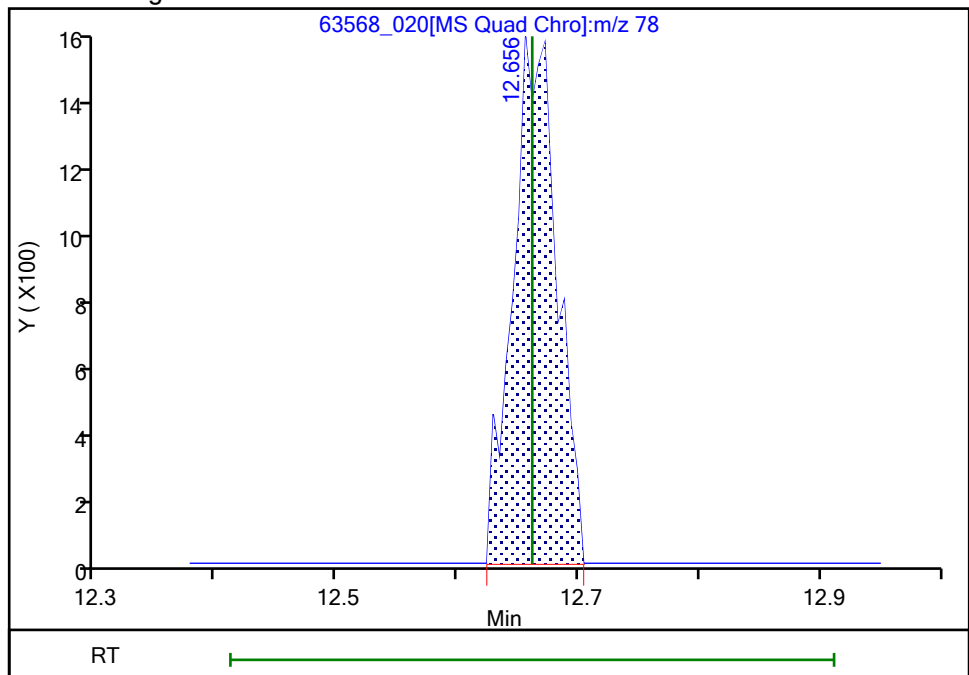
RT: 12.67
Area: 2371
Amount: 0.014753
Amount Units: ppb v/v

Processing Integration Results



RT: 12.66
Area: 3827
Amount: 0.023812
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:02:29 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

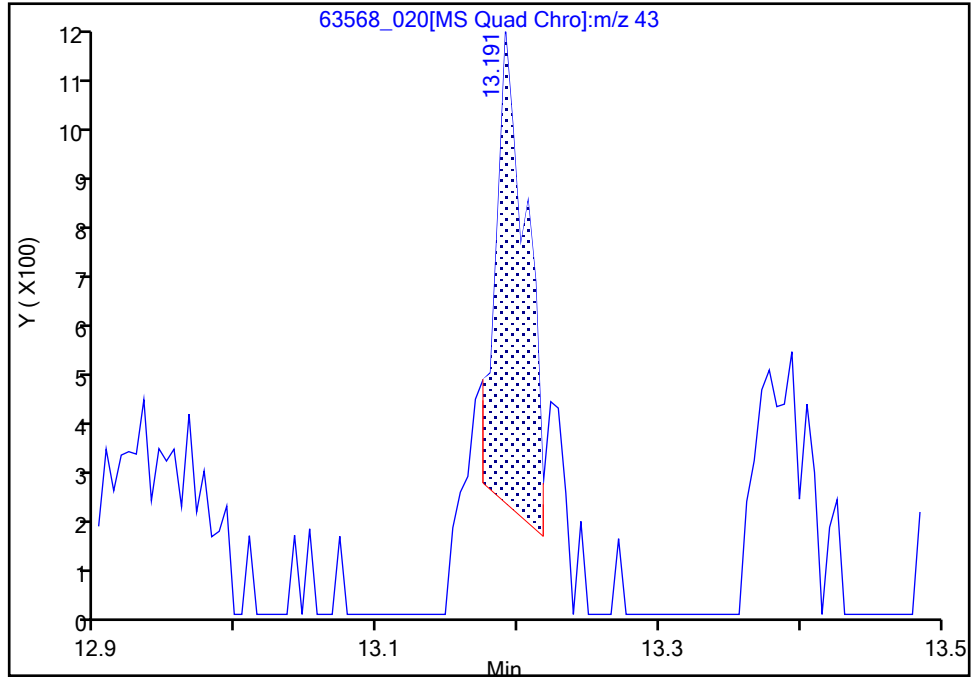
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D				
Injection Date:	03-Jan-2025 23:37:29	Instrument ID:	CHAN.i		
Lims ID:	200-76392-A-1	Lab Sample ID:	200-76392-1		
Client ID:	SV122024KT001				
Operator ID:	wrd	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. 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

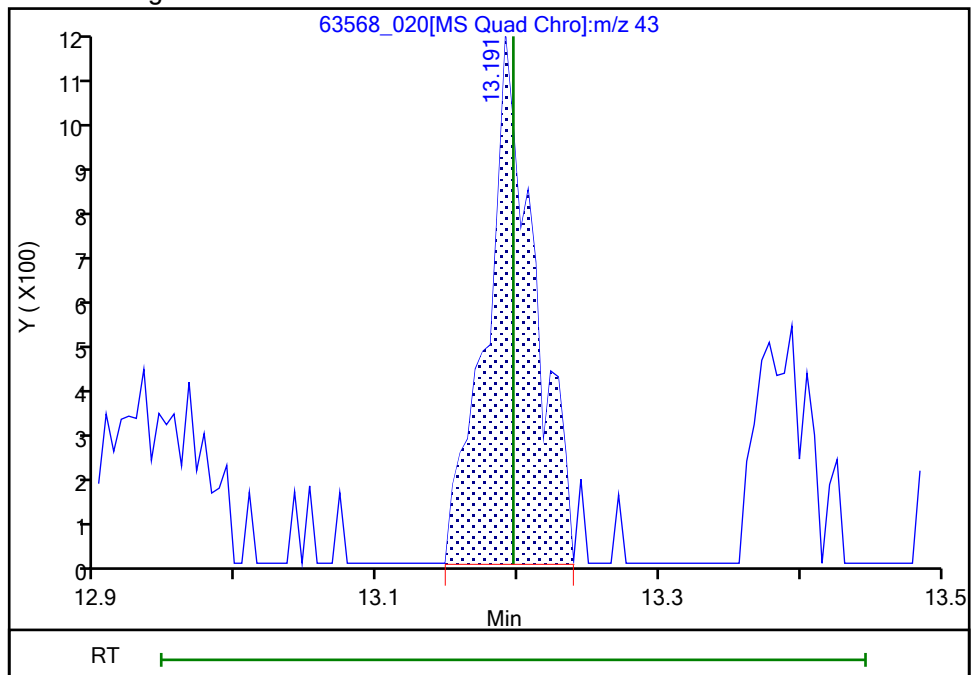
RT: 13.19
Area: 1464
Amount: 0.012093
Amount Units: ppb v/v

Processing Integration Results



RT: 13.19
Area: 2787
Amount: 0.023021
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:02:41 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D

Injection Date: 03-Jan-2025 23:37:29

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 18 Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

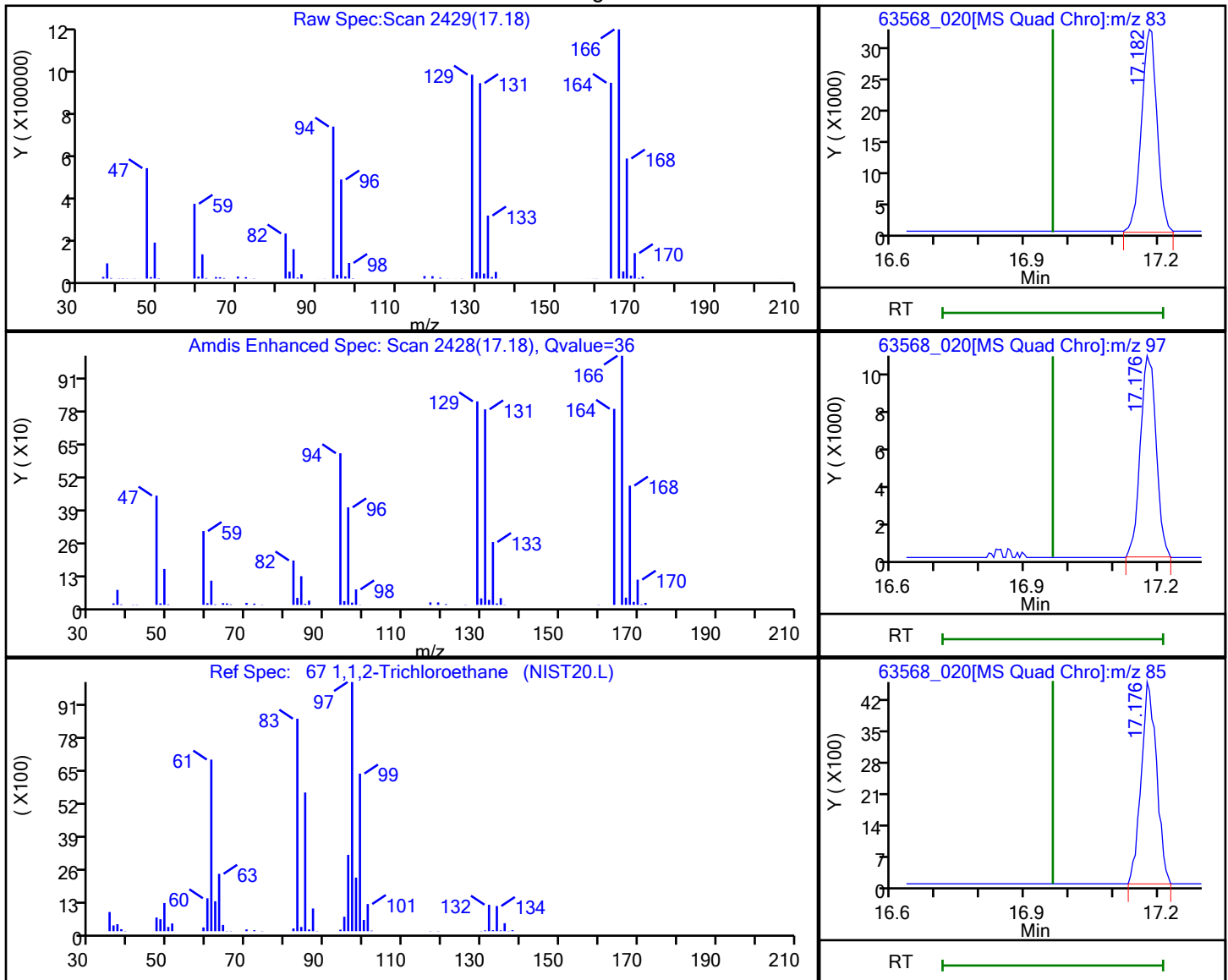
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.18	83.00	79661	1.342276
17.18	97.00	26505	
17.18	85.00	11035	

Reviewer: YWL8, 05-Jan-2025 21:02:51 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

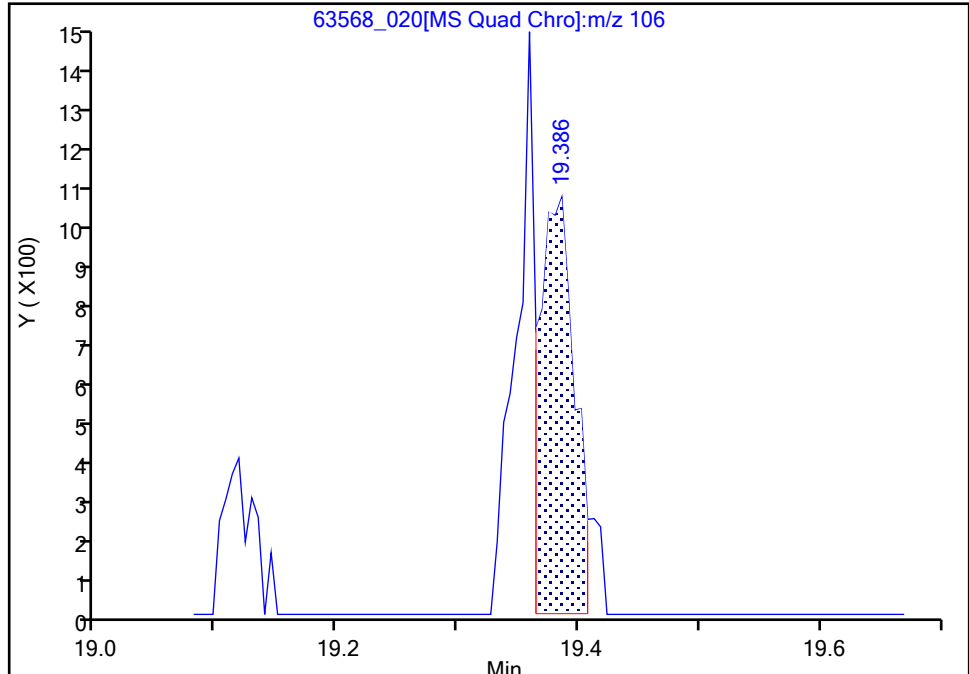
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_020.D
Injection Date: 03-Jan-2025 23:37:29 Instrument ID: CHAN.i
Lims ID: 200-76392-A-1 Lab Sample ID: 200-76392-1
Client ID: SV122024KT001
Operator ID: wrd ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

76 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

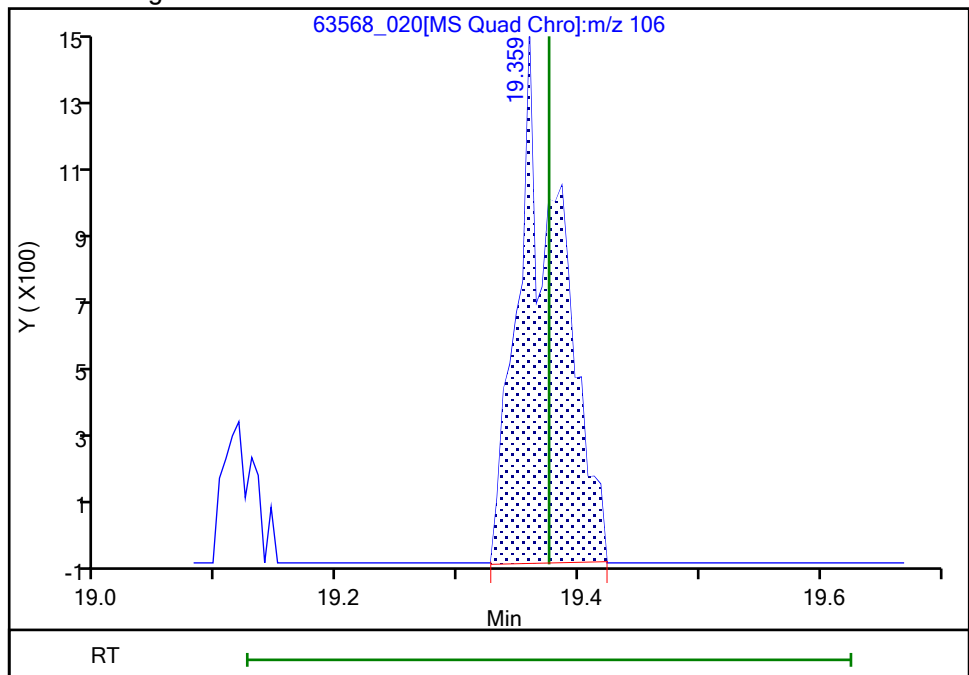
RT: 19.39
Area: 2156
Amount: 0.025115
Amount Units: ppb v/v

Processing Integration Results



RT: 19.36
Area: 3664
Amount: 0.042682
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:03:31 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001 DL</u>	Lab Sample ID: <u>200-76392-1 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_021.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 00:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J D	7.4	1.6
75-45-6	Chlorodifluoromethane	86.47	5.3	U	5.3	1.3
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	4.2	U	4.2	1.0
74-87-3	Chloromethane	50.49	3.1	U	3.1	0.93
106-97-8	n-Butane	58.12	3.6	U	3.6	1.4
75-01-4	Vinyl chloride	62.50	0.60	U	0.60	0.16
106-99-0	1,3-Butadiene	54.09	1.3	U	1.3	0.26
74-83-9	Bromomethane	94.94	2.3	U	2.3	0.82
75-00-3	Chloroethane	64.52	3.9	U	3.9	1.4
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.6	U	2.6	0.65
75-69-4	Trichlorofluoromethane	137.37	1.1	J D	3.4	0.84
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	4.6	U	4.6	1.2
75-35-4	1,1-Dichloroethene	96.94	0.60	U	0.60	0.31
64-17-5	Ethanol	46.07	28	U	28	15
67-64-1	Acetone	58.08	36	U	36	11
67-63-0	Isopropyl alcohol	60.10	37	U	37	12
75-15-0	Carbon disulfide	76.14	4.7	U	4.7	1.2
107-05-1	3-Chloropropene	76.53	4.7	U	4.7	1.1
75-09-2	Methylene Chloride	84.93	5.2	U	5.2	1.9
75-65-0	tert-Butyl alcohol	74.12	45	U	45	11
1634-04-4	Methyl tert-butyl ether	88.15	2.2	U	2.2	0.39
156-60-5	trans-1,2-Dichloroethene	96.94	0.57	J D	2.4	0.27
110-54-3	n-Hexane	86.17	5.3	U	5.3	1.2
75-34-3	1,1-Dichloroethane	98.96	2.4	U	2.4	0.30
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	4.4	U	4.4	4.3
156-59-2	cis-1,2-Dichloroethene	96.94	0.60	U	0.60	0.25
67-66-3	Chloroform	119.38	0.63	J D	2.9	0.60
109-99-9	Tetrahydrofuran	72.11	44	U	44	11
71-55-6	1,1,1-Trichloroethane	133.41	1.5	J D	3.3	0.72
110-82-7	Cyclohexane	84.16	2.1	U	2.1	0.60

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001 DL</u>	Lab Sample ID: <u>200-76392-1 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_021.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 00:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	3.9	D	0.66	0.41
540-84-1	2,2,4-Trimethylpentane	114.23	2.8	U	2.8	0.53
71-43-2	Benzene	78.11	1.9	U	1.9	0.42
107-06-2	1,2-Dichloroethane	98.96	2.4	U	2.4	1.1
142-82-5	n-Heptane	100.21	2.5	U	2.5	0.67
79-01-6	Trichloroethene	131.39	1.9	D	0.60	0.40
80-62-6	Methyl methacrylate	100.12	6.1	U	6.1	1.7
78-87-5	1,2-Dichloropropane	112.99	2.8	U	2.8	1.3
123-91-1	1,4-Dioxane	88.11	54	U	54	0.88
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	1.0
10061-01-5	cis-1,3-Dichloropropene	110.97	2.7	U	2.7	0.61
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	6.1	U	6.1	1.6
108-88-3	Toluene	92.14	2.3	U	2.3	0.70
10061-02-6	trans-1,3-Dichloropropene	110.97	2.7	U	2.7	0.73
79-00-5	1,1,2-Trichloroethane	133.41	3.3	U	3.3	1.2
127-18-4	Tetrachloroethene	165.83	310	D	4.1	0.43
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	6.1	U	6.1	1.8
124-48-1	Dibromochloromethane	208.28	5.1	U	5.1	1.6
106-93-4	1,2-Dibromoethane	187.87	4.6	U	4.6	0.96
108-90-7	Chlorobenzene	112.56	2.8	U	2.8	0.61
100-41-4	Ethylbenzene	106.17	2.6	U	2.6	0.90
179601-23-1	m,p-Xylene	106.17	6.5	U	6.5	1.2
95-47-6	o-Xylene	106.17	2.6	U	2.6	0.82
100-42-5	Styrene	104.15	2.5	U	2.5	0.75
75-25-2	Bromoform	252.75	6.2	U	6.2	3.7
98-82-8	Cumene	120.19	2.9	U	2.9	0.60
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.1	U	4.1	0.88
103-65-1	n-Propylbenzene	120.19	2.9	U	2.9	0.69
622-96-8	4-Ethyltoluene	120.20	2.9	U	2.9	0.72
108-67-8	1,3,5-Trimethylbenzene	120.20	2.9	U	2.9	0.69

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001 DL</u>	Lab Sample ID: <u>200-76392-1 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_021.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 00:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	3.1	U	3.1	0.71
98-06-6	tert-Butylbenzene	134.22	3.3	U	3.3	0.77
95-63-6	1,2,4-Trimethylbenzene	120.20	2.9	U	2.9	1.2
135-98-8	sec-Butylbenzene	134.22	3.3	U	3.3	0.74
99-87-6	4-Isopropyltoluene	134.22	3.3	U	3.3	1.0
541-73-1	1,3-Dichlorobenzene	147.00	3.6	U	3.6	1.3
106-46-7	1,4-Dichlorobenzene	147.00	3.6	U	3.6	1.6
100-44-7	Benzyl chloride	126.58	3.1	U	3.1	1.4
104-51-8	n-Butylbenzene	134.22	3.3	U	3.3	1.8
95-50-1	1,2-Dichlorobenzene	147.00	3.6	U	3.6	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	11	U	11	7.3
87-68-3	Hexachlorobutadiene	260.76	6.4	U	6.4	3.5
91-20-3	Naphthalene	128.17	7.8	U	7.8	4.7

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001 DL</u>	Lab Sample ID: <u>200-76392-1 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_021.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 00:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J D	1.5	0.33
75-45-6	Chlorodifluoromethane	86.47	1.5	U	1.5	0.36
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.60	U	0.60	0.14
74-87-3	Chloromethane	50.49	1.5	U	1.5	0.45
106-97-8	n-Butane	58.12	1.5	U	1.5	0.60
75-01-4	Vinyl chloride	62.50	0.23	U	0.23	0.063
106-99-0	1,3-Butadiene	54.09	0.60	U	0.60	0.12
74-83-9	Bromomethane	94.94	0.60	U	0.60	0.21
75-00-3	Chloroethane	64.52	1.5	U	1.5	0.54
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.60	U	0.60	0.15
75-69-4	Trichlorofluoromethane	137.37	0.20	J D	0.60	0.15
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.60	U	0.60	0.16
75-35-4	1,1-Dichloroethene	96.94	0.15	U	0.15	0.078
64-17-5	Ethanol	46.07	15	U	15	7.8
67-64-1	Acetone	58.08	15	U	15	4.8
67-63-0	Isopropyl alcohol	60.10	15	U	15	4.8
75-15-0	Carbon disulfide	76.14	1.5	U	1.5	0.39
107-05-1	3-Chloropropene	76.53	1.5	U	1.5	0.36
75-09-2	Methylene Chloride	84.93	1.5	U	1.5	0.54
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.60	U	0.60	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.14	J D	0.60	0.069
110-54-3	n-Hexane	86.17	1.5	U	1.5	0.33
75-34-3	1,1-Dichloroethane	98.96	0.60	U	0.60	0.075
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.15	U	0.15	0.063
67-66-3	Chloroform	119.38	0.13	J D	0.60	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.9
71-55-6	1,1,1-Trichloroethane	133.41	0.28	J D	0.60	0.13
110-82-7	Cyclohexane	84.16	0.60	U	0.60	0.17

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001 DL</u>	Lab Sample ID: <u>200-76392-1 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_021.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 00:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.62	D	0.10	0.066
540-84-1	2,2,4-Trimethylpentane	114.23	0.60	U	0.60	0.11
71-43-2	Benzene	78.11	0.60	U	0.60	0.13
107-06-2	1,2-Dichloroethane	98.96	0.60	U	0.60	0.28
142-82-5	n-Heptane	100.21	0.60	U	0.60	0.16
79-01-6	Trichloroethene	131.39	0.36	D	0.11	0.075
80-62-6	Methyl methacrylate	100.12	1.5	U	1.5	0.42
78-87-5	1,2-Dichloropropane	112.99	0.60	U	0.60	0.28
123-91-1	1,4-Dioxane	88.11	15	U	15	0.25
75-27-4	Bromodichloromethane	163.83	0.60	U	0.60	0.15
10061-01-5	cis-1,3-Dichloropropene	110.97	0.60	U	0.60	0.13
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	1.5	U	1.5	0.39
108-88-3	Toluene	92.14	0.60	U	0.60	0.19
10061-02-6	trans-1,3-Dichloropropene	110.97	0.60	U	0.60	0.16
79-00-5	1,1,2-Trichloroethane	133.41	0.60	U	0.60	0.22
127-18-4	Tetrachloroethene	165.83	46	D	0.60	0.063
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.5	U	1.5	0.45
124-48-1	Dibromochloromethane	208.28	0.60	U	0.60	0.19
106-93-4	1,2-Dibromoethane	187.87	0.60	U	0.60	0.13
108-90-7	Chlorobenzene	112.56	0.60	U	0.60	0.13
100-41-4	Ethylbenzene	106.17	0.60	U	0.60	0.21
179601-23-1	m,p-Xylene	106.17	1.5	U	1.5	0.28
95-47-6	o-Xylene	106.17	0.60	U	0.60	0.19
100-42-5	Styrene	104.15	0.60	U	0.60	0.18
75-25-2	Bromoform	252.75	0.60	U	0.60	0.36
98-82-8	Cumene	120.19	0.60	U	0.60	0.12
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.60	U	0.60	0.13
103-65-1	n-Propylbenzene	120.19	0.60	U	0.60	0.14
622-96-8	4-Ethyltoluene	120.20	0.60	U	0.60	0.15
108-67-8	1,3,5-Trimethylbenzene	120.20	0.60	U	0.60	0.14

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001 DL</u>	Lab Sample ID: <u>200-76392-1 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_021.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 00:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.60	U	0.60	0.14
98-06-6	tert-Butylbenzene	134.22	0.60	U	0.60	0.14
95-63-6	1,2,4-Trimethylbenzene	120.20	0.60	U	0.60	0.24
135-98-8	sec-Butylbenzene	134.22	0.60	U	0.60	0.13
99-87-6	4-Isopropyltoluene	134.22	0.60	U	0.60	0.18
541-73-1	1,3-Dichlorobenzene	147.00	0.60	U	0.60	0.22
106-46-7	1,4-Dichlorobenzene	147.00	0.60	U	0.60	0.27
100-44-7	Benzyl chloride	126.58	0.60	U	0.60	0.26
104-51-8	n-Butylbenzene	134.22	0.60	U	0.60	0.33
95-50-1	1,2-Dichlorobenzene	147.00	0.60	U	0.60	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	1.5	U	1.5	0.99
87-68-3	Hexachlorobutadiene	260.76	0.60	U	0.60	0.33
91-20-3	Naphthalene	128.17	1.5	U	1.5	0.90

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D
 Lims ID: 200-76392-A-1 DL
 Client ID: SV122024KT001
 Sample Type: Client
 Inject. Date: 04-Jan-2025 00:29:06 ALS Bottle#: 19 Worklist Smp#: 21
 Purge Vol: 200.000 mL Dil. Factor: 2.9900
 Sample Info: 200-0063568-021
 Misc. Info.: 76392-1dl
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jan-2025 21:06:09 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1603

First Level Reviewer: YWL8

Date: 05-Jan-2025 21:06:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.438	4.455	-0.011	98	19352	0.1640	
3 Chlorodifluoromethane	51	4.486	4.492	-0.006	97	5671	0.0612	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.813				ND	
5 Chloromethane	50		4.931				ND	7
6 Vinyl chloride	62		5.225				ND	
7 Butane	43		5.230				ND	7
8 Butadiene	54		5.343				ND	7
9 Bromomethane	94		6.065				ND	
10 Chloroethane	64		6.333				ND	
13 Vinyl bromide	106		6.755				ND	
14 Trichlorofluoromethane	101	6.926	6.915	0.005	96	6808	0.0664	
16 Ethanol	45	7.311	7.269	0.042	96	4197	0.1529	
20 1,1-Dichloroethene	96		7.975				ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.023	8.021	0.005	93	1844	0.0215	
22 Acetone	43		8.034				ND	7
23 Isopropyl alcohol	45		8.323				ND	7
24 Carbon disulfide	76	8.376	8.376	0.000	99	6101	0.0451	
26 3-Chloro-1-propene	41		8.660				ND	7
27 Methylene Chloride	49		8.884				ND	7
28 2-Methyl-2-propanol	59		9.088				ND	7
30 trans-1,2-Dichloroethene	61	9.392	9.392	0.005	91	3620	0.0479	
31 Methyl tert-butyl ether	73		9.393				ND	
32 Hexane	57		9.906				ND	MU
33 1,1-Dichloroethane	63	10.147	10.152	0.000	90	1405	0.0145	
36 2-Butanone (MEK)	72		11.105				ND	7
37 cis-1,2-Dichloroethene	96		11.137				ND	7
* 39 Chlorobromomethane	128	11.548	11.543	0.005	92	322670	10.0	
40 Tetrahydrofuran	42		11.591				ND	7
41 Chloroform	83	11.730	11.730	0.005	95	4311	0.0434	M
42 1,1,1-Trichloroethane	97	12.046	12.041	0.005	94	8636	0.0921	
43 Cyclohexane	84		12.185				ND	MU

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.324	12.314	0.005	94	18354	0.2076	
45 Benzene	78		12.661				ND	7
46 1,2-Dichloroethane	62		12.725				ND	
47 Isooctane	57		12.891				ND	
48 n-Heptane	43		13.196				ND	7
* 49 1,4-Difluorobenzene	114	13.389	13.389	0.000	98	1601942	10.0	
51 Trichloroethene	95	13.827	13.822	0.005	88	7488	0.1204	
53 1,2-Dichloropropane	63		14.272				ND	
54 Methyl methacrylate	69		14.363				ND	
55 1,4-Dioxane	88		14.400				ND	7
58 Dichlorobromomethane	83		14.737				ND	
59 cis-1,3-Dichloropropene	75		15.539				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.796				ND	
62 Toluene	92	16.197	16.187	0.010	93	2350	0.0231	
66 trans-1,3-Dichloropropene	75		16.588				ND	
67 1,1,2-Trichloroethane	83		16.963				ND	MU
68 Tetrachloroethene	166	17.182	17.182	0.000	87	1013943	15.4	
69 2-Hexanone	43		17.369				ND	7
70 Chlorodibromomethane	129		17.701				ND	
71 Ethylene Dibromide	107		17.942				ND	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	95	1427101	10.0	
74 Chlorobenzene	112		18.915				ND	
75 Ethylbenzene	91		19.113				ND	7
76 m-Xylene & p-Xylene	106	19.364	19.364	-0.011	0	1231	0.0152	M
78 o-Xylene	106		20.146				ND	
79 Styrene	104		20.178				ND	
81 Bromoform	173		20.509				ND	
82 Isopropylbenzene	105		20.836				ND	
83 1,1,2,2-Tetrachloroethane	83		21.333				ND	7
85 N-Propylbenzene	91		21.547				ND	
86 2-Chlorotoluene	91		21.692				ND	
87 4-Ethyltoluene	105		21.740				ND	7
88 1,3,5-Trimethylbenzene	105		21.836				ND	7
91 tert-Butylbenzene	119		22.318				ND	
92 1,2,4-Trimethylbenzene	105		22.403				ND	7
93 sec-Butylbenzene	105		22.639				ND	7
94 1,3-Dichlorobenzene	146		22.804				ND	7
95 4-Isopropyltoluene	119		22.853				ND	
96 1,4-Dichlorobenzene	146		22.949				ND	7
97 Benzyl chloride	91		23.088				ND	
98 n-Butylbenzene	91		23.409				ND	7
99 1,2-Dichlorobenzene	146		23.436				ND	
102 1,2,4-Trichlorobenzene	180		25.886				ND	
103 Hexachlorobutadiene	225		26.137				ND	
104 Naphthalene	128		26.362				ND	7

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Worklist Smp#: 21

Client ID: SV122024KT001

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

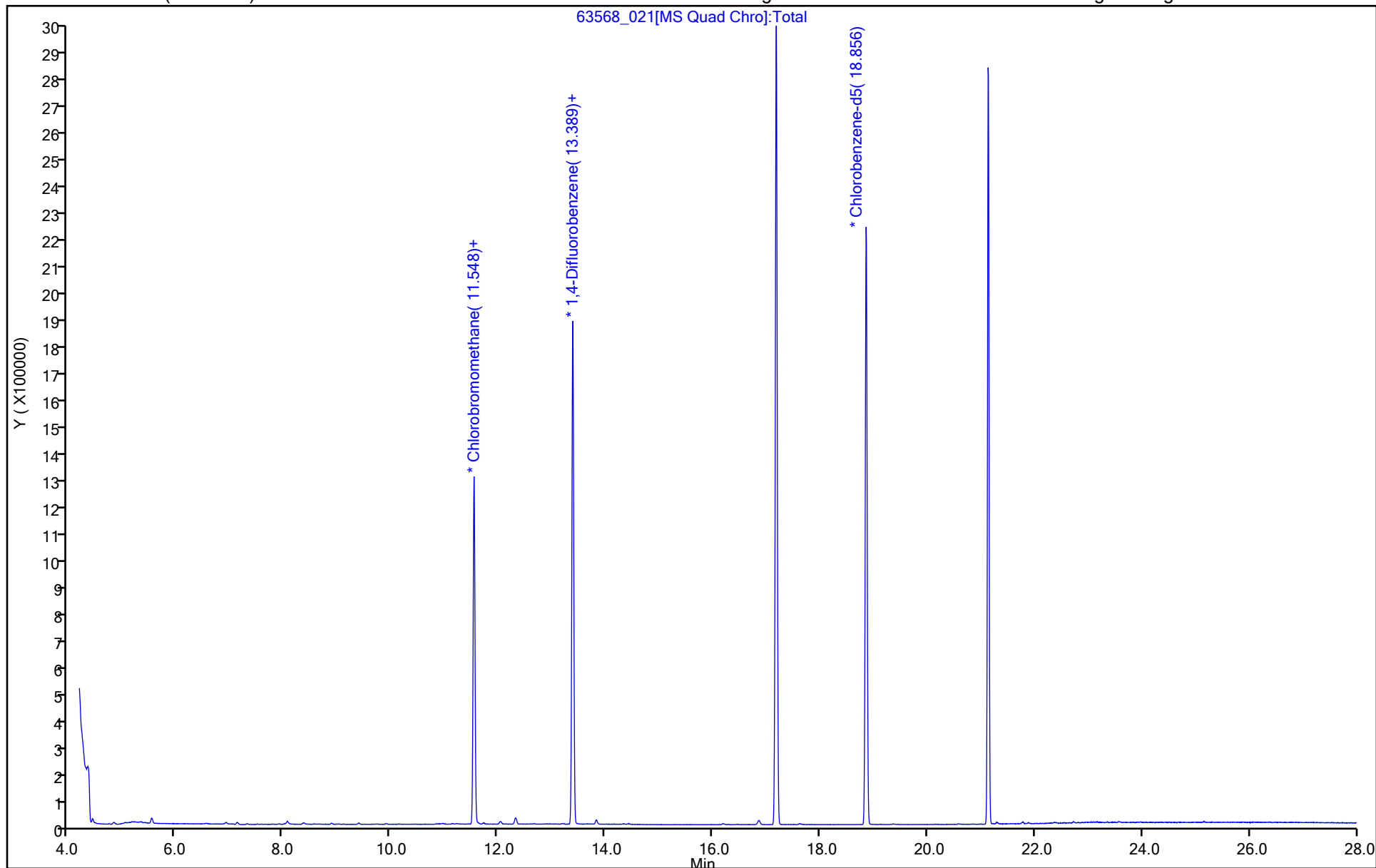
ALS Bottle#: 19

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\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 200.000 mL

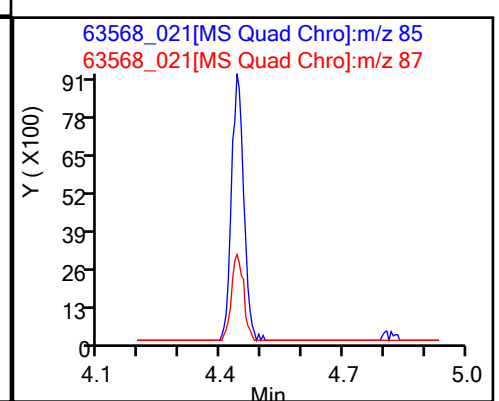
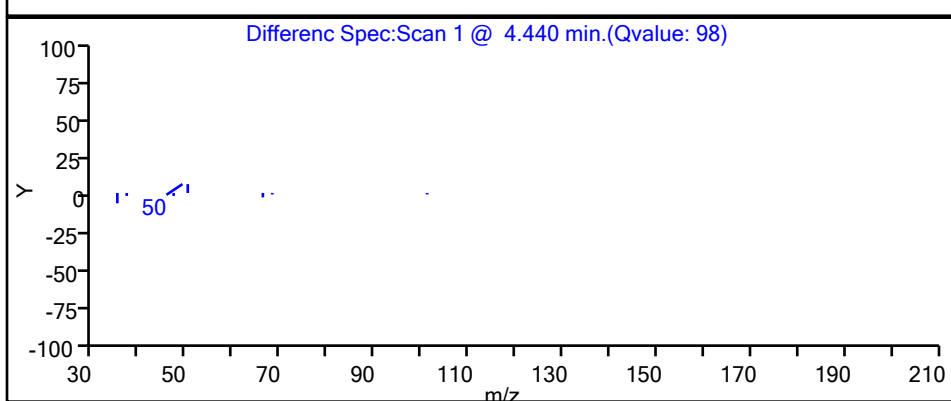
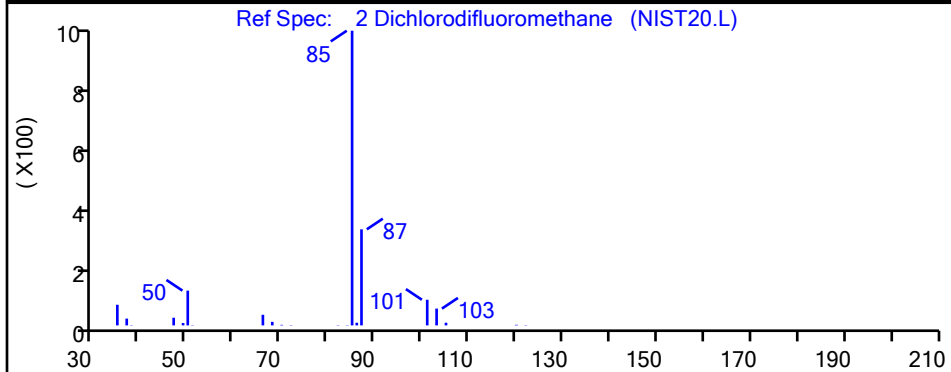
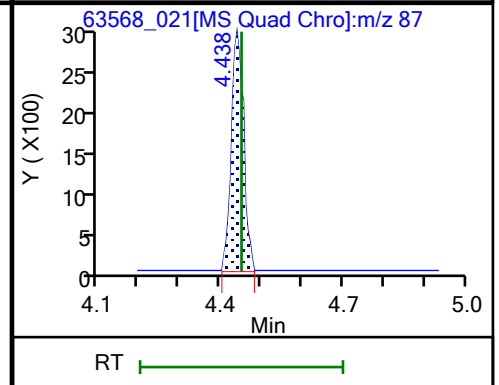
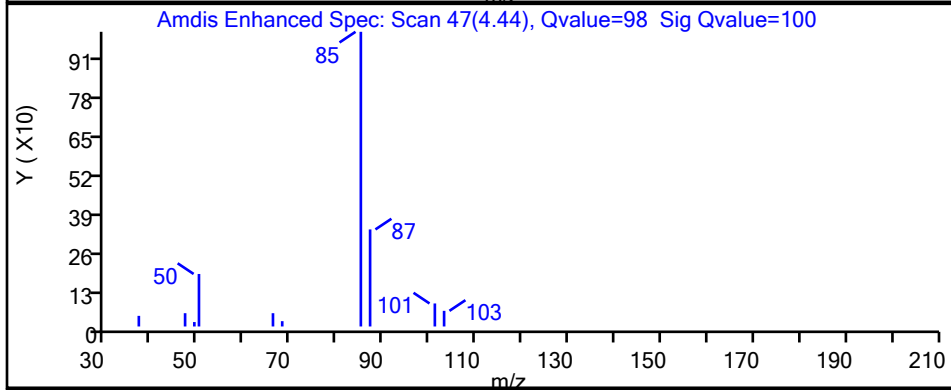
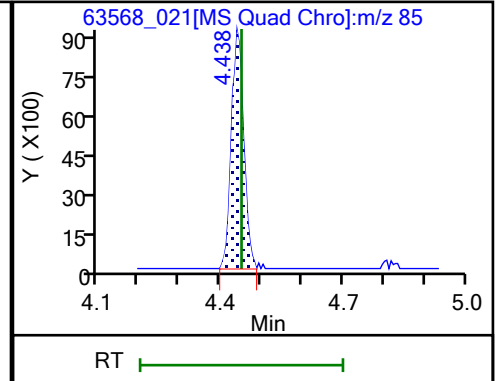
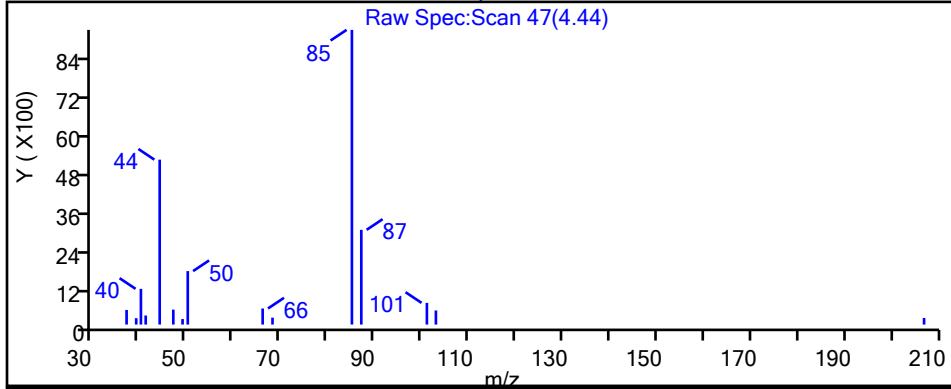
Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 200.000 mL

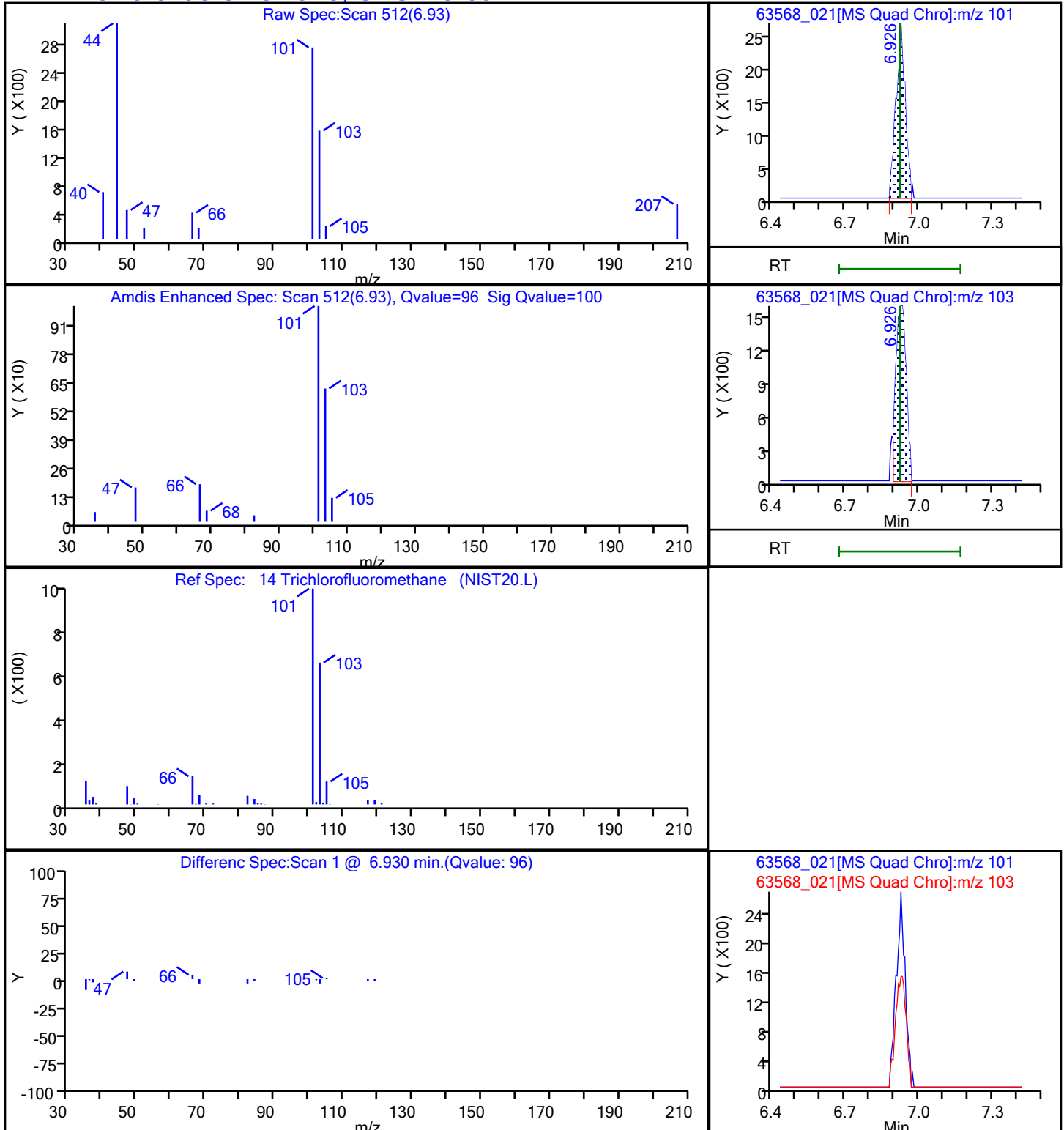
Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AN

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\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 200.000 mL

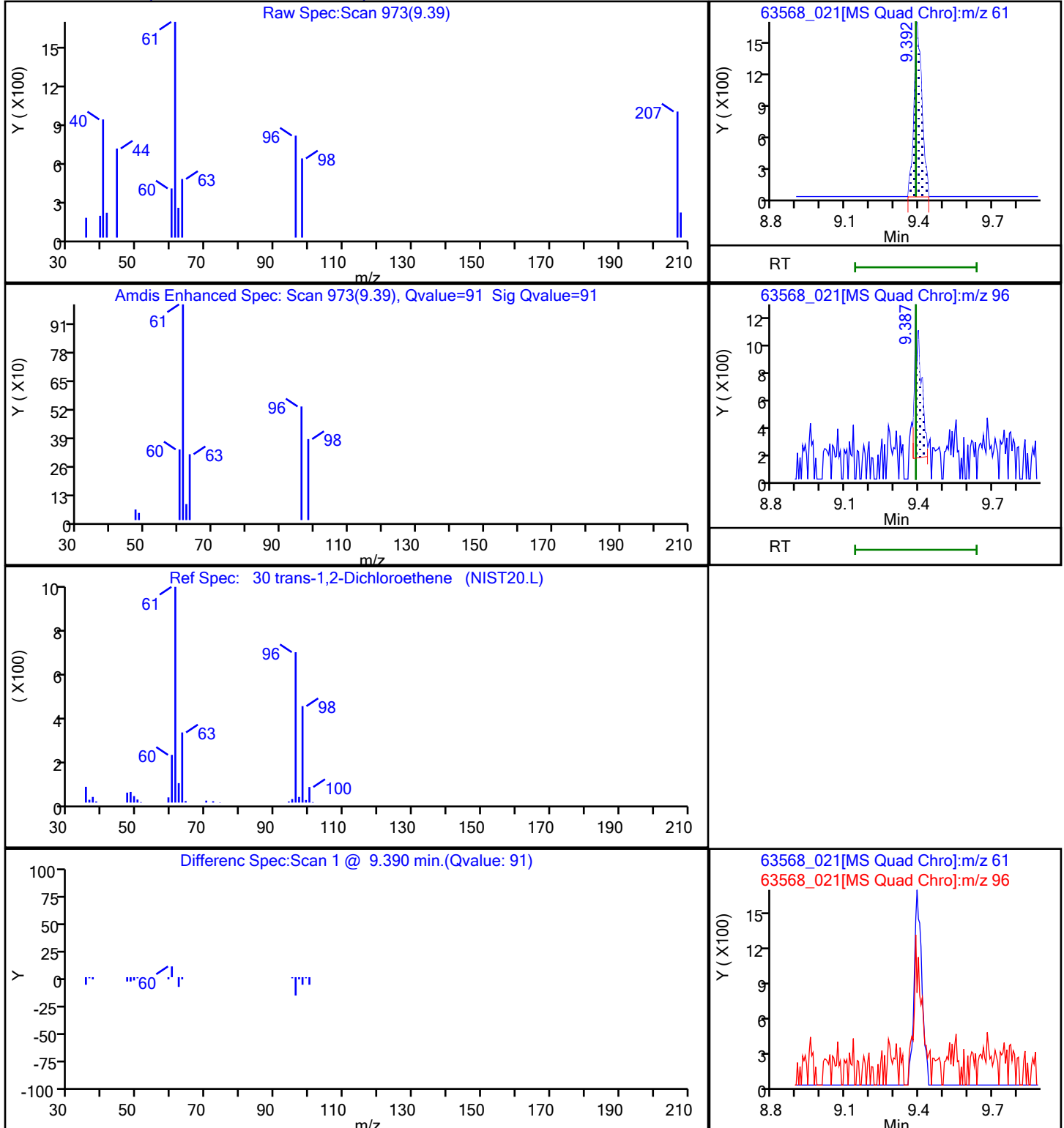
Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

30 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 200.000 mL

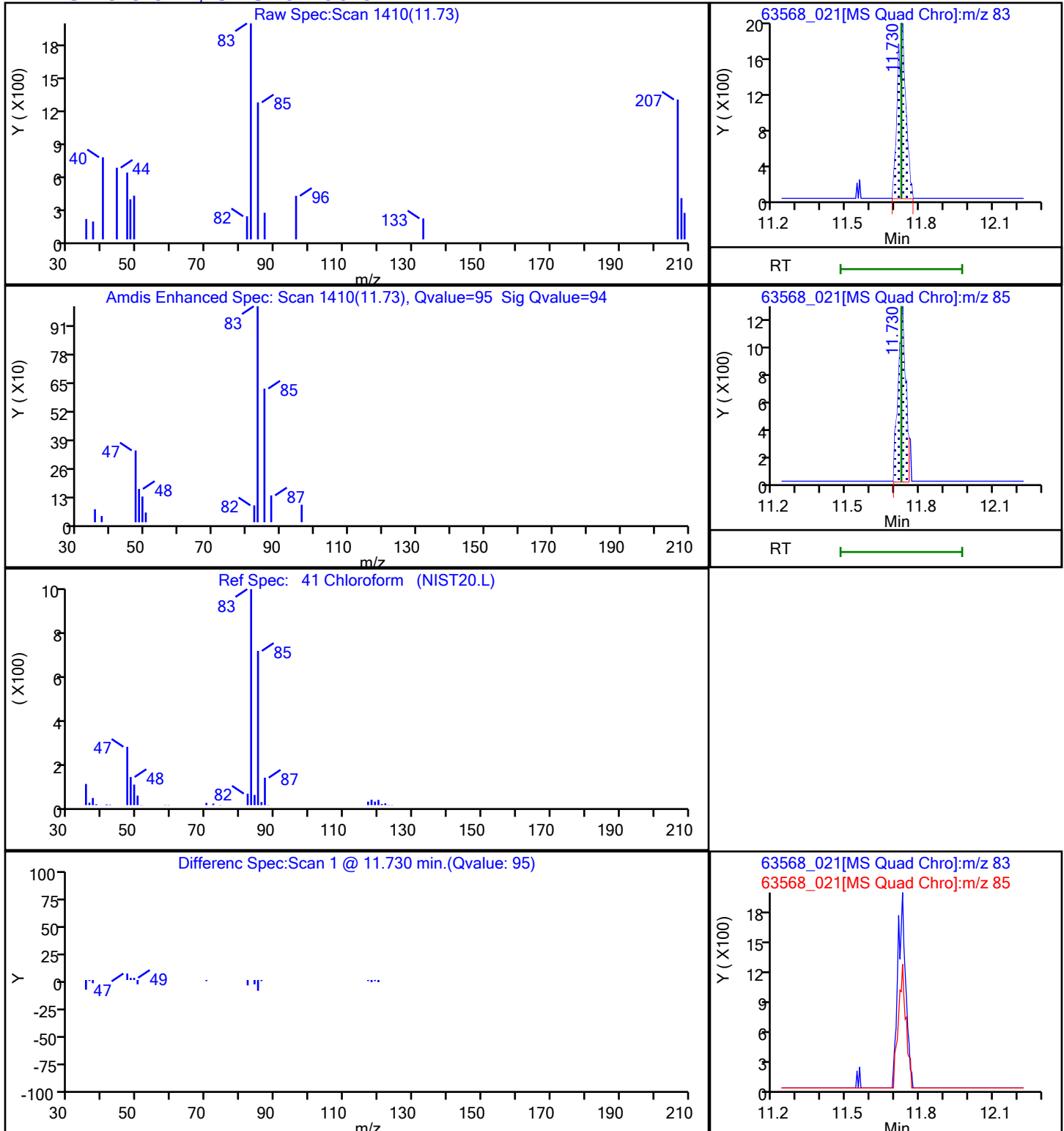
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

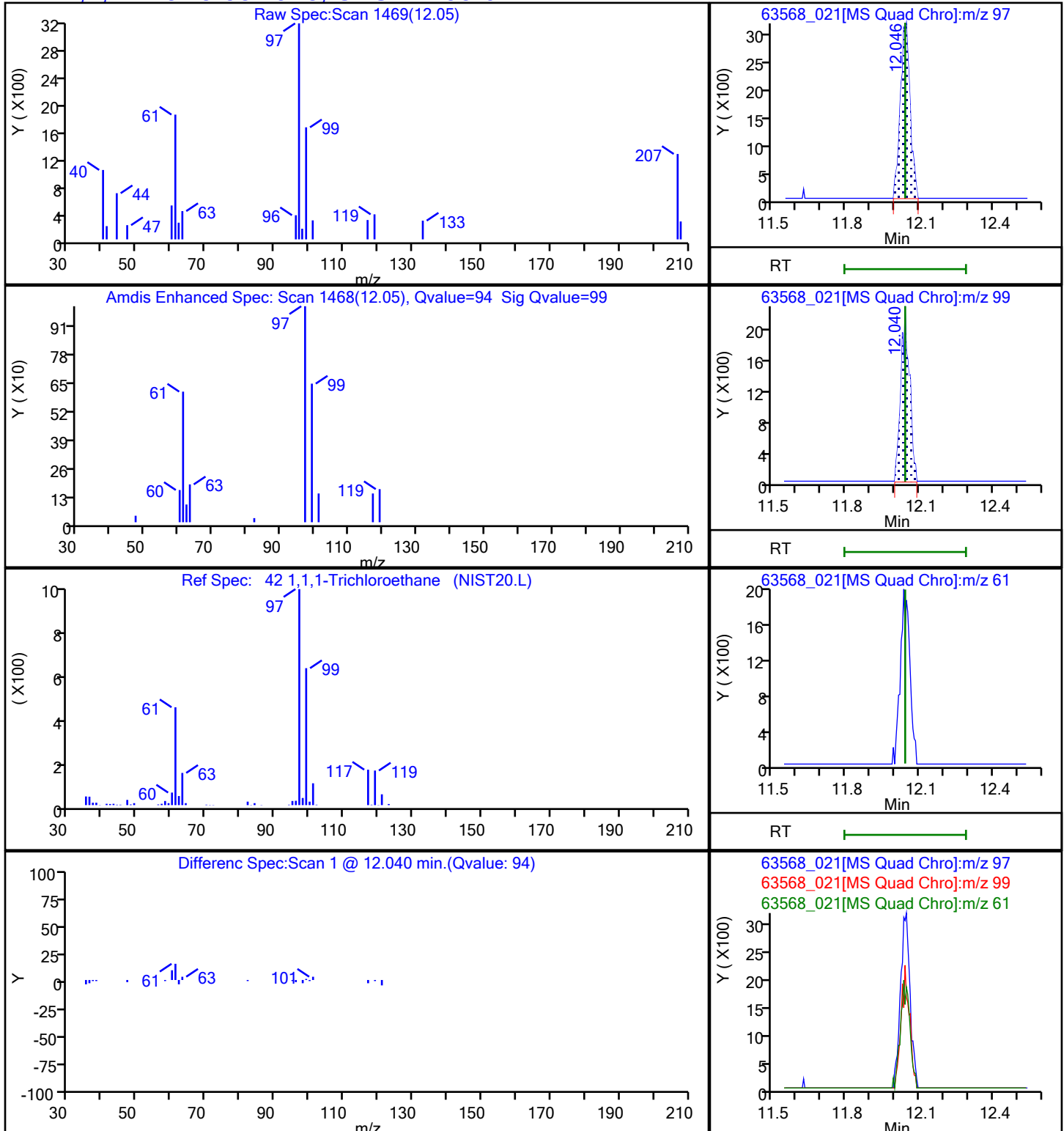
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 200.000 mL

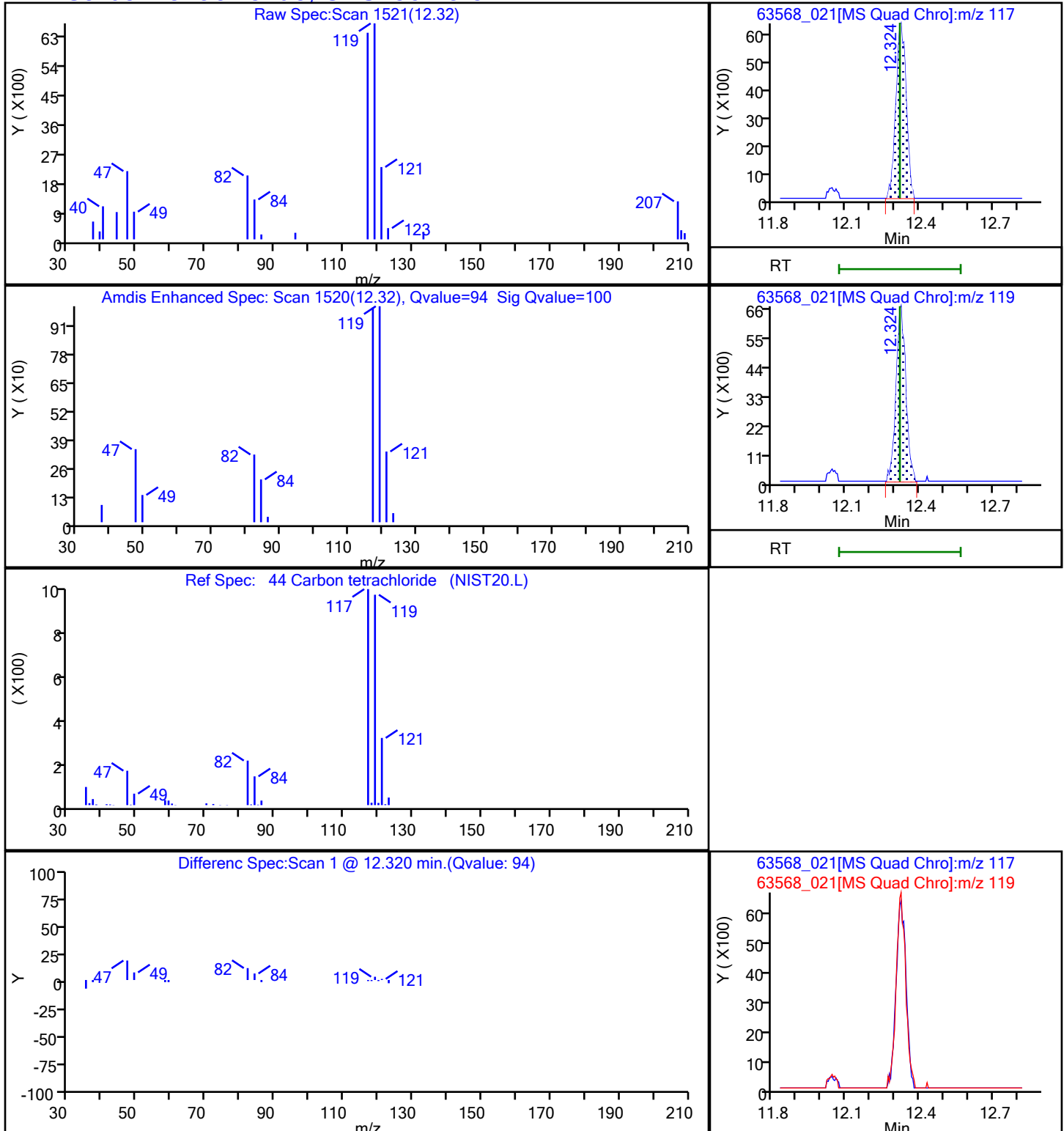
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

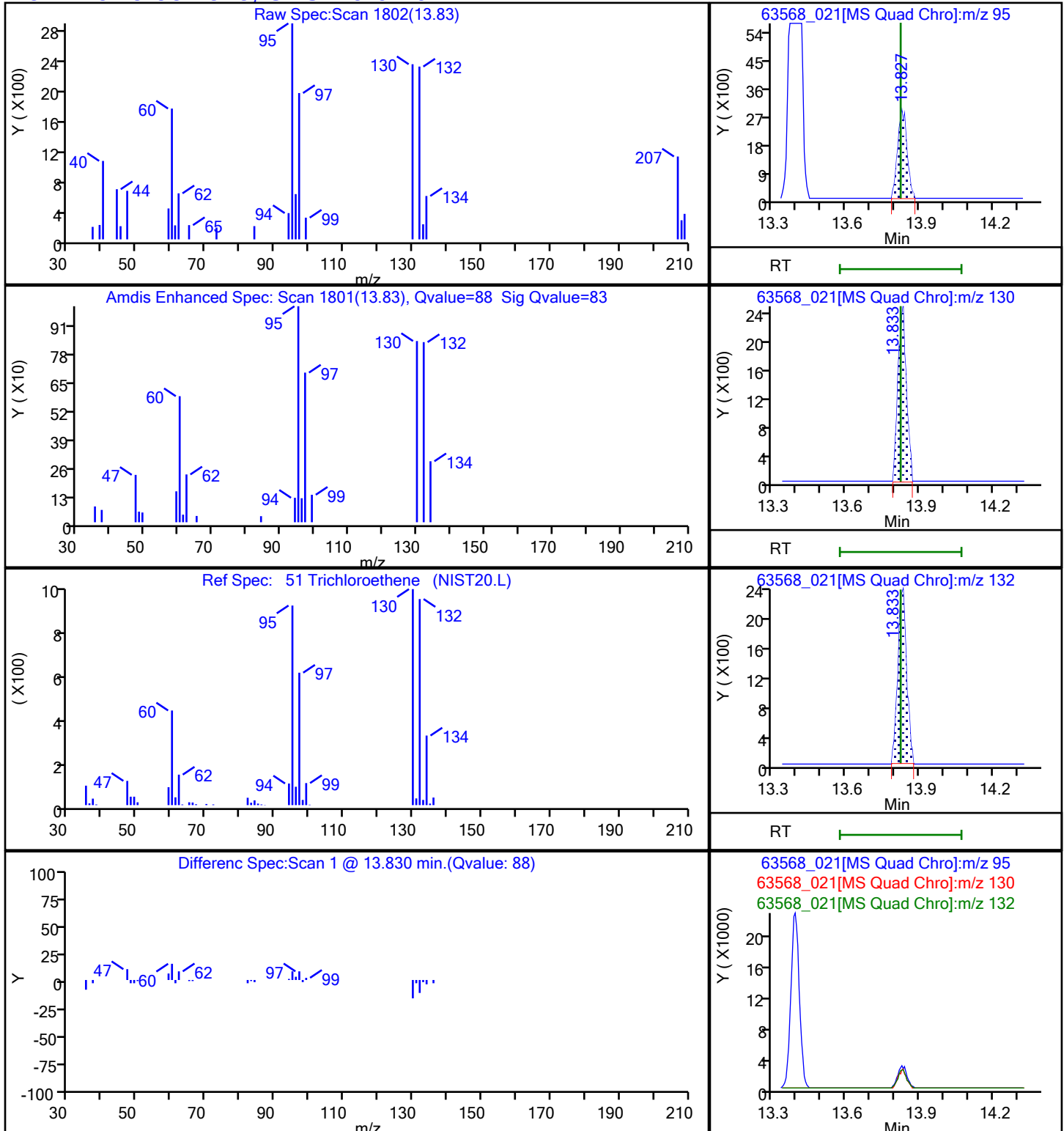
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

51 Trichloroethene, CAS: 79-01-6



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 200.000 mL

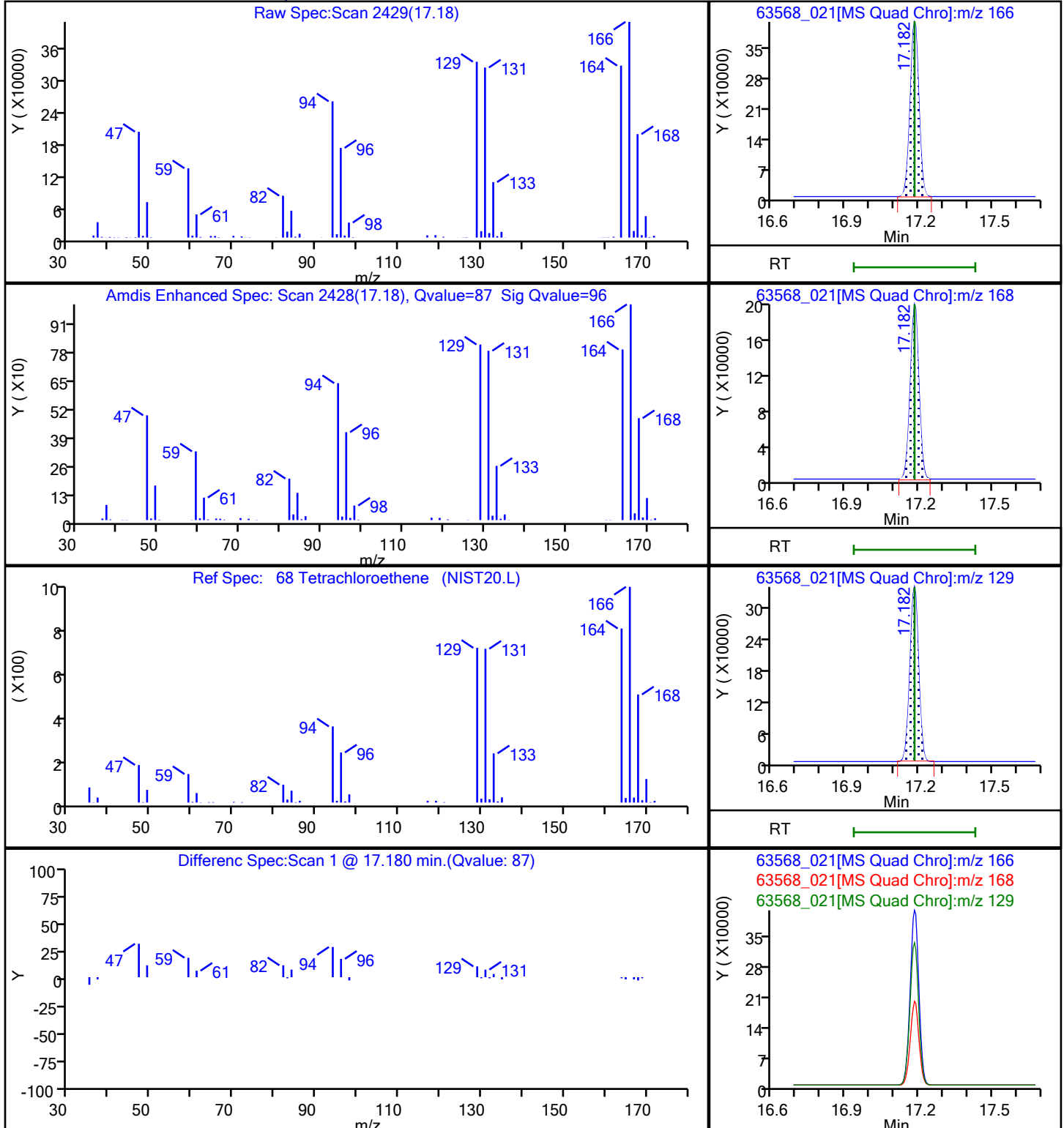
Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#:

19

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AN

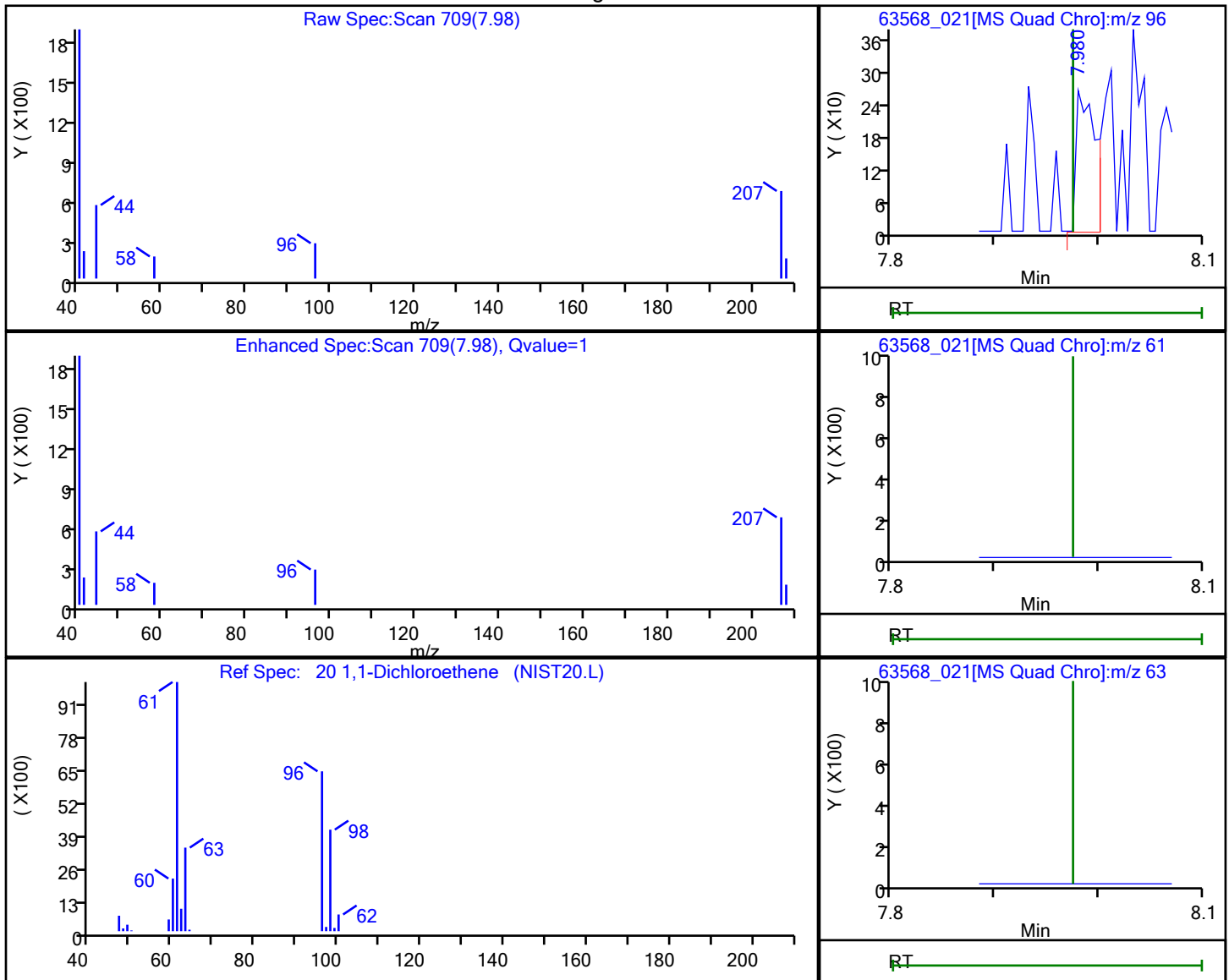
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
7.98	96.00	343	0.007613
7.97	61.00	0	
7.97	63.00	0	

Reviewer: YWL8, 05-Jan-2025 21:04:15 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D

Injection Date: 04-Jan-2025 00:29:06

Instrument ID: CHAN.i

Lims ID: 200-76392-A-1 DL

Lab Sample ID: 200-76392-1

Client ID: SV122024KT001

Operator ID: wrd

ALS Bottle#: 19 Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AN

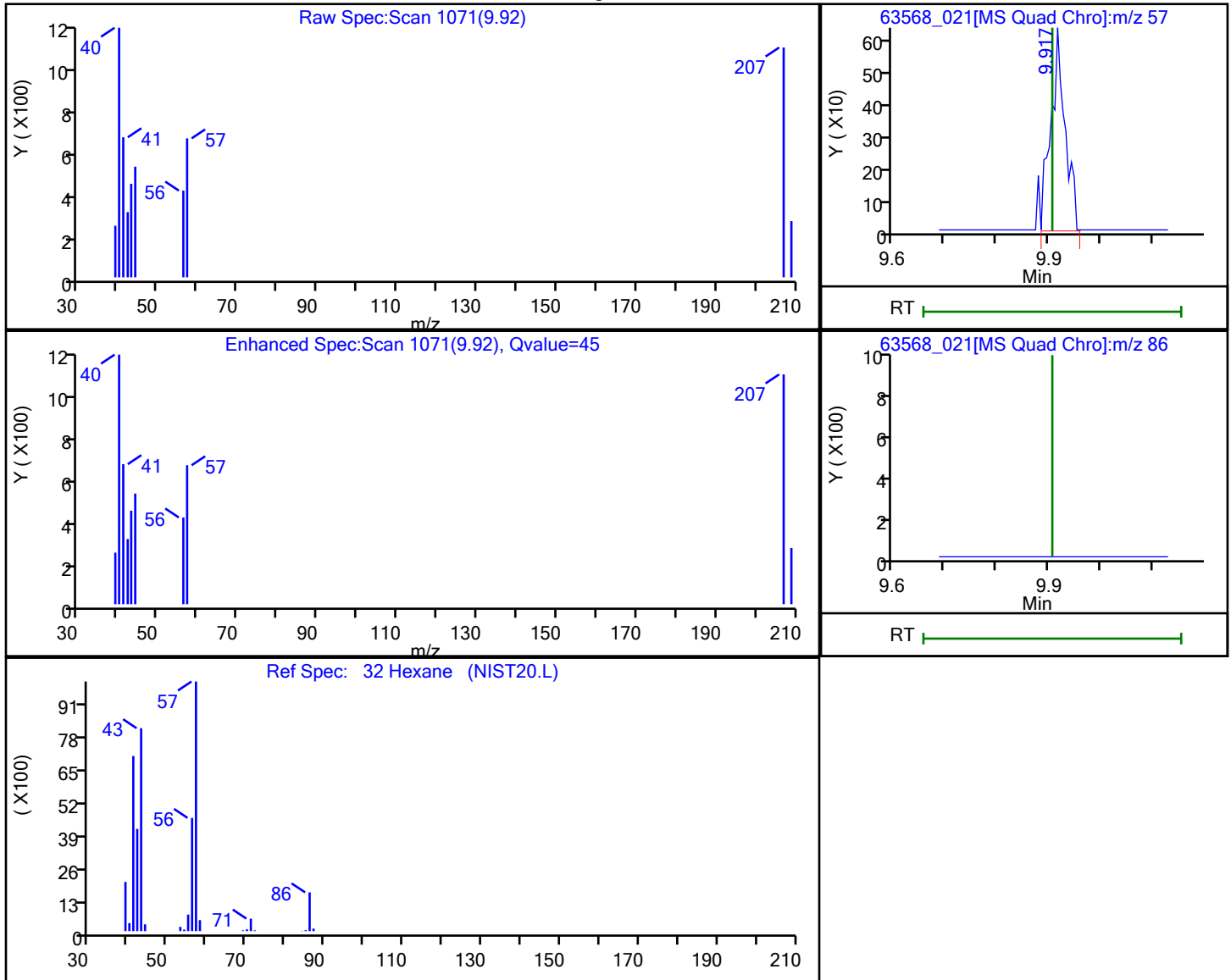
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
9.92	57.00	1212	0.014568
9.91	86.00	0	

Reviewer: YWL8, 05-Jan-2025 21:04:34 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

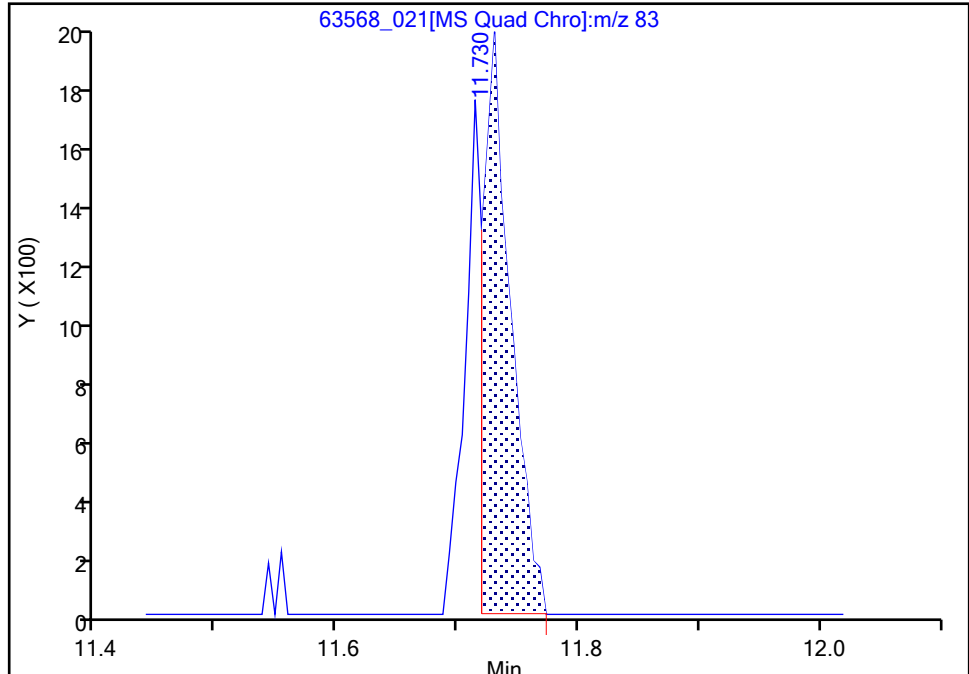
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D				
Injection Date:	04-Jan-2025 00:29:06	Instrument ID:	CHAN.i		
Lims ID:	200-76392-A-1 DL	Lab Sample ID:	200-76392-1		
Client ID:	SV122024KT001				
Operator ID:	wrd	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
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

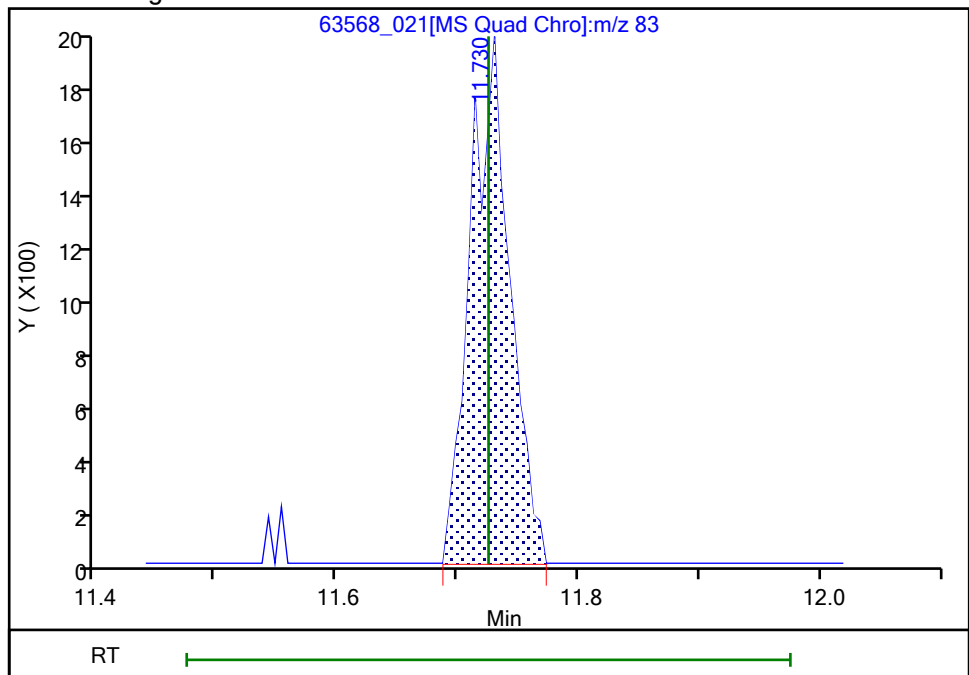
RT: 11.73
Area: 3037
Amount: 0.030566
Amount Units: ppb v/v

Processing Integration Results



RT: 11.73
Area: 4311
Amount: 0.043388
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:05:04 07:00:00 (UTC)

Audit Action: Manually Integrated

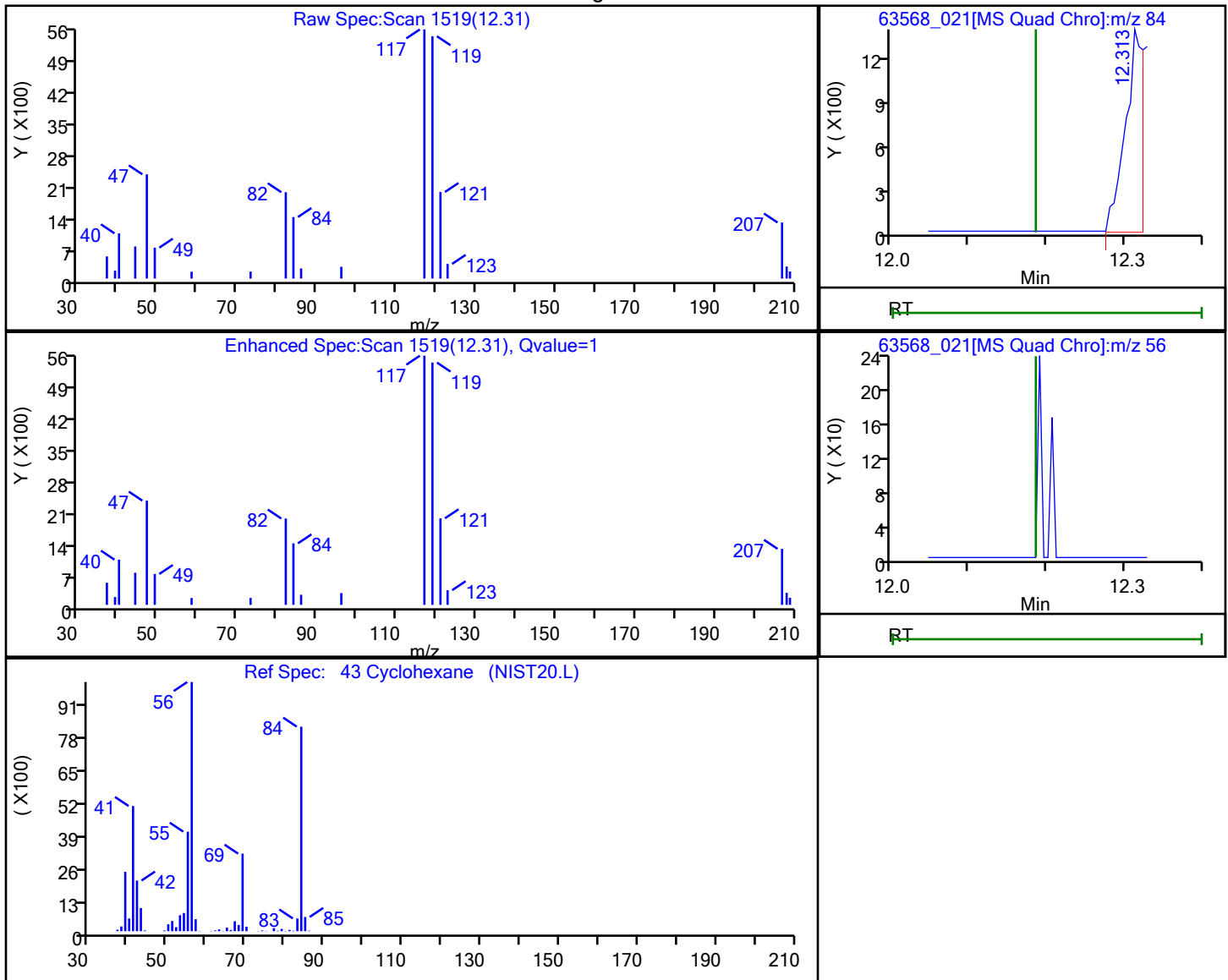
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D
Injection Date: 04-Jan-2025 00:29:06 Instrument ID: CHAN.i
Lims ID: 200-76392-A-1 DL Lab Sample ID: 200-76392-1
Client ID: SV122024KT001
Operator ID: wrd ALS Bottle#: 19 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
12.31	84.00	2168	0.035477
12.19	56.00	0	

Reviewer: YWL8, 05-Jan-2025 21:05:10 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

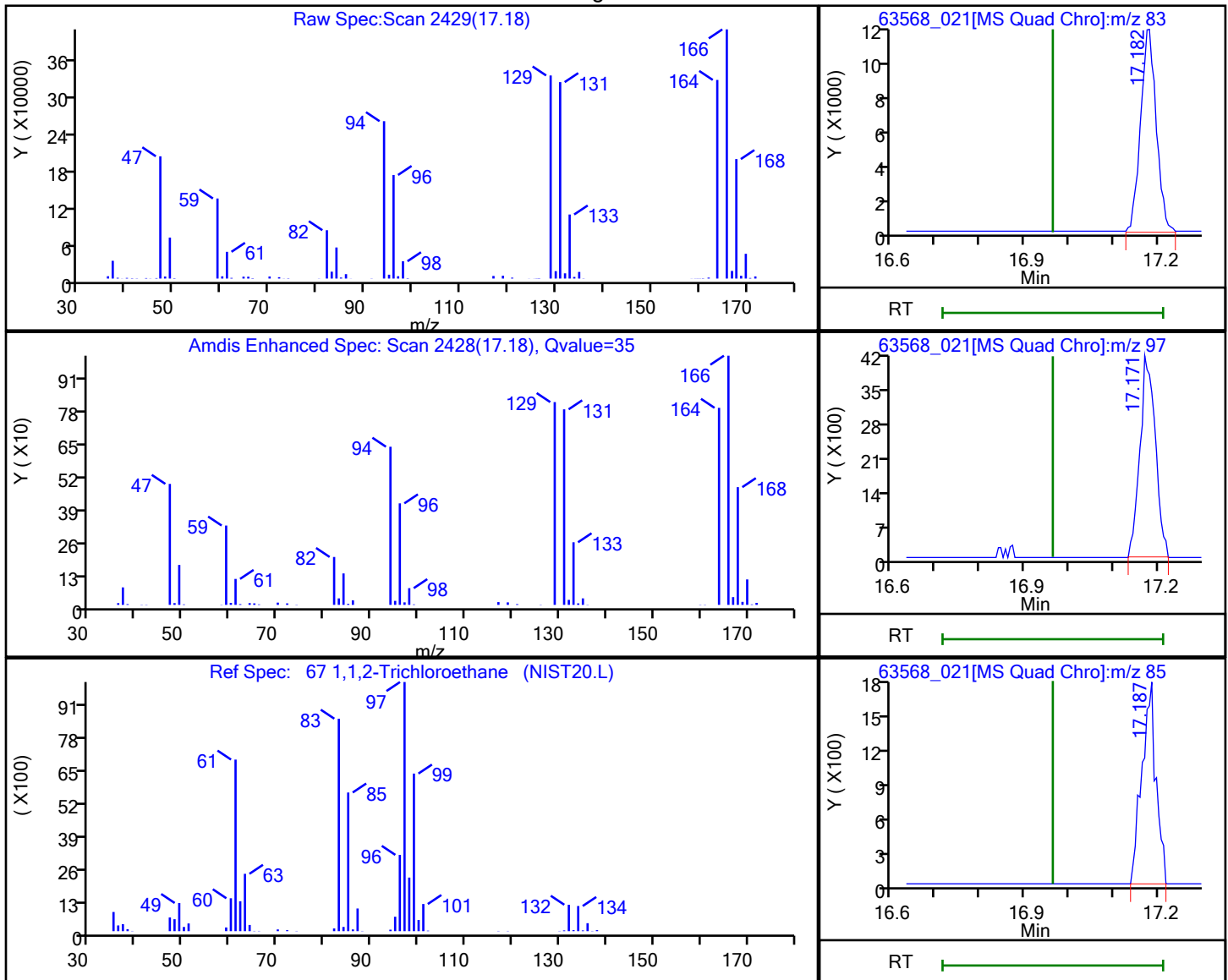
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D
Injection Date: 04-Jan-2025 00:29:06 Instrument ID: CHAN.i
Lims ID: 200-76392-A-1 DL Lab Sample ID: 200-76392-1
Client ID: SV122024KT001
Operator ID: wrd ALS Bottle#: 19 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_TO3_Master_Method_AN 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
17.18	83.00	27348	0.487725
17.17	97.00	10087	
17.19	85.00	3911	

Reviewer: YWL8, 05-Jan-2025 21:05:38 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

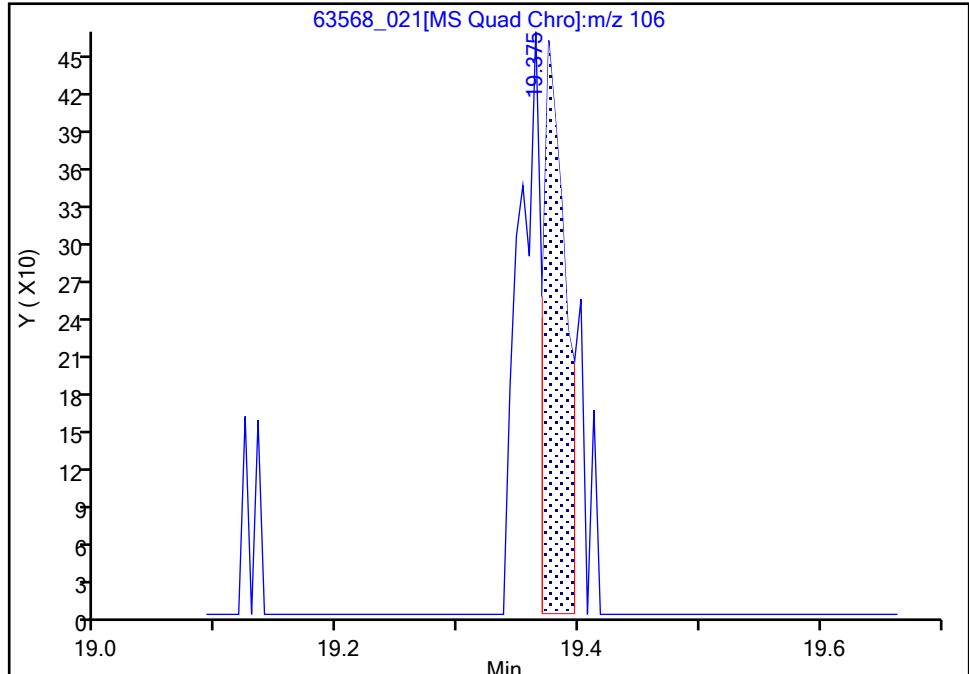
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_021.D
Injection Date: 04-Jan-2025 00:29:06 Instrument ID: CHAN.i
Lims ID: 200-76392-A-1 DL Lab Sample ID: 200-76392-1
Client ID: SV122024KT001
Operator ID: wrd ALS Bottle#: 19 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 2.9900
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

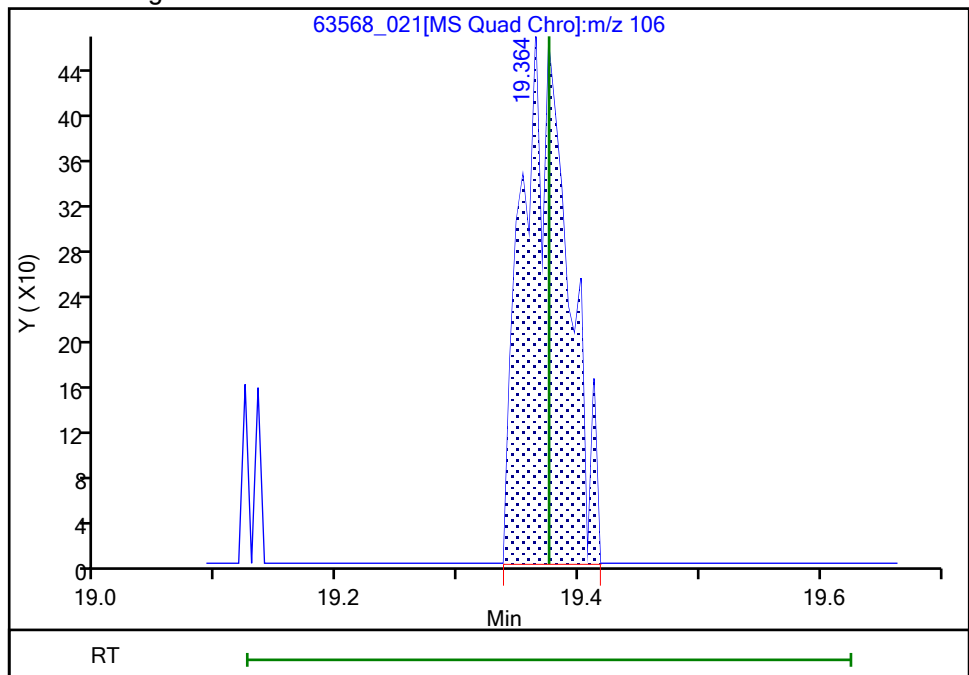
RT: 19.37
Area: 596
Amount: 0.007348
Amount Units: ppb v/v

Processing Integration Results



RT: 19.36
Area: 1231
Amount: 0.015177
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:05:51 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT002</u>	Lab Sample ID: <u>200-76392-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_022.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 01:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.2	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.0	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	1.2		1.0	0.31
106-97-8	n-Butane	58.12	2.2		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	1.0	J	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
64-17-5	Ethanol	46.07	7.6	J	9.4	4.9
67-64-1	Acetone	58.08	6.4	J	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	0.65	J	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	2.1		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	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	0.68	J	0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT002</u>	Lab Sample ID: <u>200-76392-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_022.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 01:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.34		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.2		0.93	0.18
71-43-2	Benzene	78.11	2.1		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	1.7		0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	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	9.0		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	1.0		0.87	0.30
179601-23-1	m,p-Xylene	106.17	3.6		2.2	0.41
95-47-6	o-Xylene	106.17	1.1		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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT002</u>	Lab Sample ID: <u>200-76392-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_022.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 01:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.45	J	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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT002</u>	Lab Sample ID: <u>200-76392-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_022.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 01:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.44	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.29	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	0.57		0.50	0.15
106-97-8	n-Butane	58.12	0.94		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	0.18	J	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
64-17-5	Ethanol	46.07	4.0	J	5.0	2.6
67-64-1	Acetone	58.08	2.7	J	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	0.19	J	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	0.60		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	J	0.20	0.058

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT002</u>	Lab Sample ID: <u>200-76392-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_022.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 01:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.055		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.25		0.20	0.038
71-43-2	Benzene	78.11	0.66		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	0.41		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	2.4		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	0.23		0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.82		0.50	0.095
95-47-6	o-Xylene	106.17	0.26		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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT002</u>	Lab Sample ID: <u>200-76392-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_022.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 01:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.091	J	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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D
 Lims ID: 200-76392-A-2
 Client ID: SV122024KT002
 Sample Type: Client
 Inject. Date: 04-Jan-2025 01:21:05 ALS Bottle#: 20 Worklist Smp#: 22
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063568-022
 Misc. Info.: 76392-2
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jan-2025 21:08:33 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1603

First Level Reviewer: YWL8

Date: 05-Jan-2025 21:08:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.444	4.455	-0.005	98	51064	0.4394	
3 Chlorodifluoromethane	51	4.492	4.492	0.000	97	26159	0.2867	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.813				ND	
5 Chloromethane	50	4.925	4.931	-0.006	99	31570	0.5717	
6 Vinyl chloride	62		5.225				ND	
7 Butane	43	5.225	5.230	-0.005	98	79811	0.9438	
8 Butadiene	54		5.343				ND	MU
9 Bromomethane	94		6.065				ND	7
10 Chloroethane	64		6.333				ND	
13 Vinyl bromide	106		6.755				ND	
14 Trichlorofluoromethane	101	6.916	6.915	-0.005	97	18558	0.1838	
16 Ethanol	45	7.290	7.269	0.021	98	108992	4.03	
20 1,1-Dichloroethene	96		7.975				ND	7
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.023	8.021	0.005	69	3801	0.0449	
22 Acetone	43	8.050	8.037	0.016	100	236644	2.71	
23 Isopropyl alcohol	45	8.349	8.349	0.026	100	50917	0.5824	
24 Carbon disulfide	76	8.381	8.376	0.005	99	3737	0.0281	
26 3-Chloro-1-propene	41		8.660				ND	MU
27 Methylene Chloride	49	8.895	8.884	0.011	94	12094	0.1863	
28 2-Methyl-2-propanol	59		9.088				ND	7
30 trans-1,2-Dichloroethene	61		9.387				ND	
31 Methyl tert-butyl ether	73		9.393				ND	7
32 Hexane	57	9.911	9.906	0.005	93	49479	0.6037	
33 1,1-Dichloroethane	63		10.147				ND	
36 2-Butanone (MEK)	72	11.136	11.105	0.032	98	3084	0.1255	
37 cis-1,2-Dichloroethene	96		11.137				ND	7
* 39 Chlorobromomethane	128	11.548	11.543	0.005	91	317853	10.0	
40 Tetrahydrofuran	42		11.591				ND	7
41 Chloroform	83	11.714	11.730	-0.011	93	3454	0.0353	
42 1,1,1-Trichloroethane	97		12.041				ND	
43 Cyclohexane	84	12.190	12.190	0.005	91	11980	0.1984	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.319	12.314	0.000	69	4768	0.0546	
45 Benzene	78	12.661	12.656	0.000	99	97643	0.6565	
46 1,2-Dichloroethane	62		12.725				ND	
47 Isooctane	57	12.897	12.891	0.006	97	65894	0.2471	
48 n-Heptane	43	13.191	13.191	-0.005	97	45463	0.4058	
* 49 1,4-Difluorobenzene	114	13.389	13.389	0.000	98	1582710	10.0	
51 Trichloroethene	95		13.822				ND	
53 1,2-Dichloropropane	63		14.272				ND	
54 Methyl methacrylate	69		14.363				ND	MU
55 1,4-Dioxane	88		14.400				ND	7
58 Dichlorobromomethane	83		14.737				ND	
59 cis-1,3-Dichloropropene	75		15.539				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.796				ND	7
62 Toluene	92	16.187	16.187	0.000	92	243827	2.40	
66 trans-1,3-Dichloropropene	75		16.588				ND	
67 1,1,2-Trichloroethane	83		16.963				ND	
68 Tetrachloroethene	166		17.182				ND	7
69 2-Hexanone	43	17.380	17.380	0.011	24	2195	0.0162	7M
70 Chlorodibromomethane	129		17.701				ND	
71 Ethylene Dibromide	107		17.942				ND	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	95	1427005	10.0	
74 Chlorobenzene	112		18.915				ND	
75 Ethylbenzene	91	19.113	19.113	0.000	99	53395	0.2345	
76 m-Xylene & p-Xylene	106	19.359	19.364	-0.016	0	66393	0.8186	
78 o-Xylene	106	20.146	20.145	0.000	96	20239	0.2551	
79 Styrene	104		20.178				ND	MU
81 Bromoform	173		20.509				ND	
82 Isopropylbenzene	105	20.836	20.835	0.000	89	3211	0.0134	
83 1,1,2,2-Tetrachloroethane	83		21.333				ND	7
85 N-Propylbenzene	91	21.547	21.547	0.000	95	7213	0.0234	
86 2-Chlorotoluene	91		21.692				ND	
87 4-Ethyltoluene	105	21.740	21.740	0.000	97	7859	0.0344	
88 1,3,5-Trimethylbenzene	105	21.836	21.831	0.000	89	5645	0.0291	
91 tert-Butylbenzene	119		22.318				ND	7
92 1,2,4-Trimethylbenzene	105	22.398	22.403	-0.005	96	17728	0.0906	
93 sec-Butylbenzene	105		22.639				ND	
94 1,3-Dichlorobenzene	146		22.804				ND	7
95 4-Isopropyltoluene	119		22.853				ND	7
96 1,4-Dichlorobenzene	146		22.949				ND	7
97 Benzyl chloride	91		23.088				ND	7
98 n-Butylbenzene	91		23.409				ND	7
99 1,2-Dichlorobenzene	146		23.436				ND	
102 1,2,4-Trichlorobenzene	180		25.886				ND	
103 Hexachlorobutadiene	225		26.137				ND	
104 Naphthalene	128		26.362				ND	7

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Worklist Smp#: 22

Client ID: SV122024KT002

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

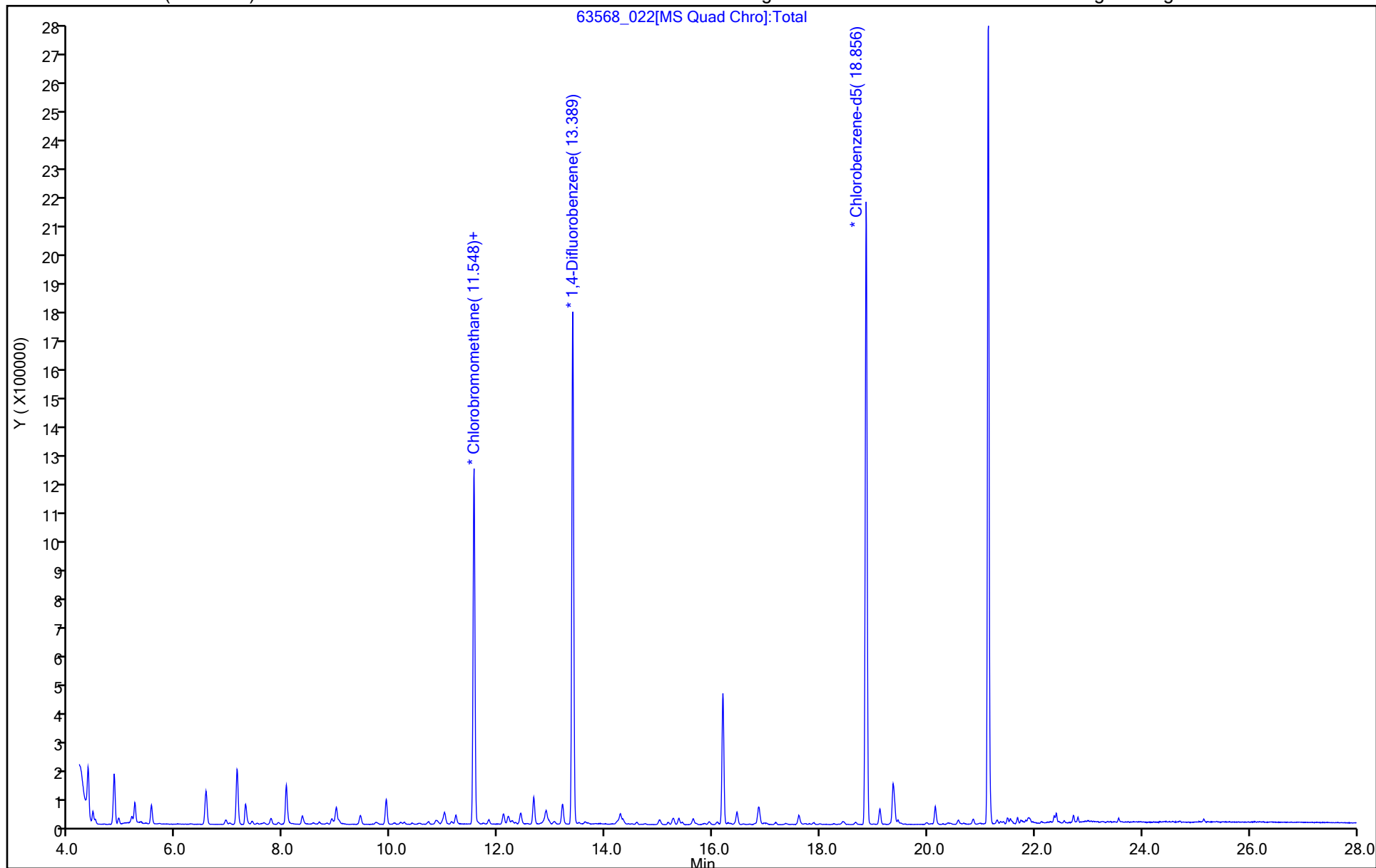
ALS Bottle#: 20

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\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

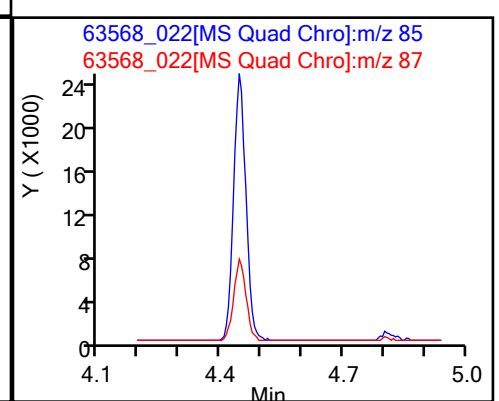
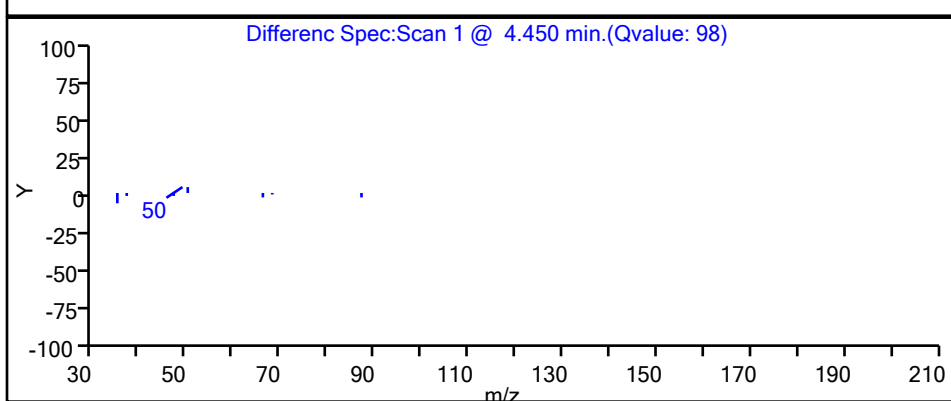
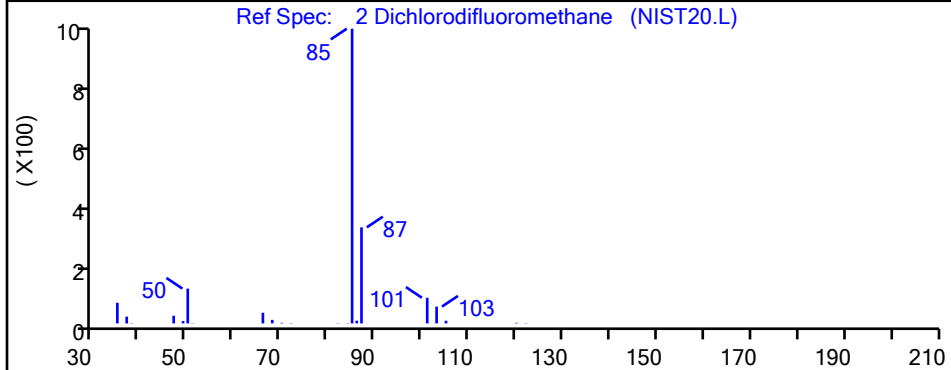
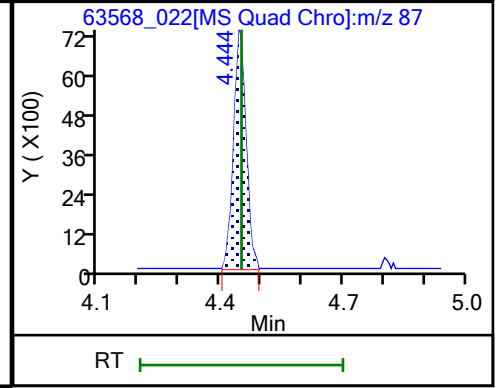
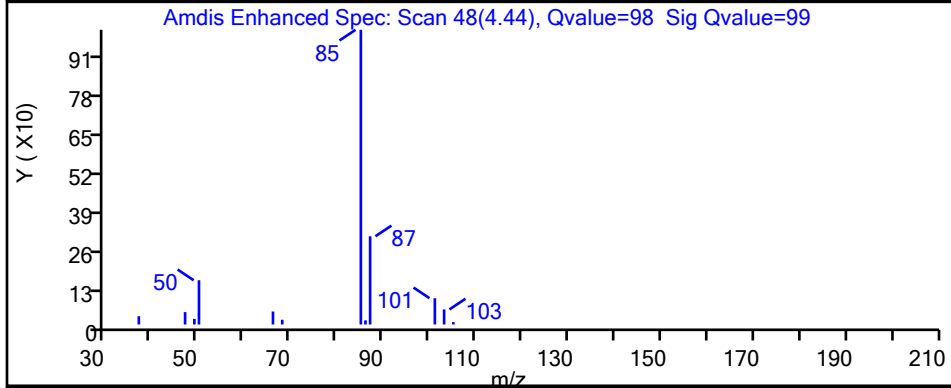
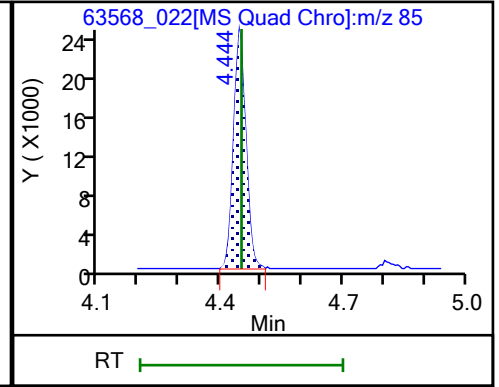
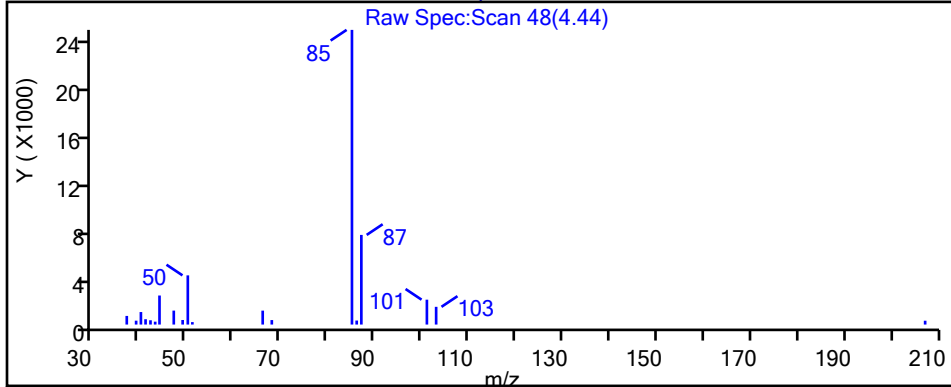
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

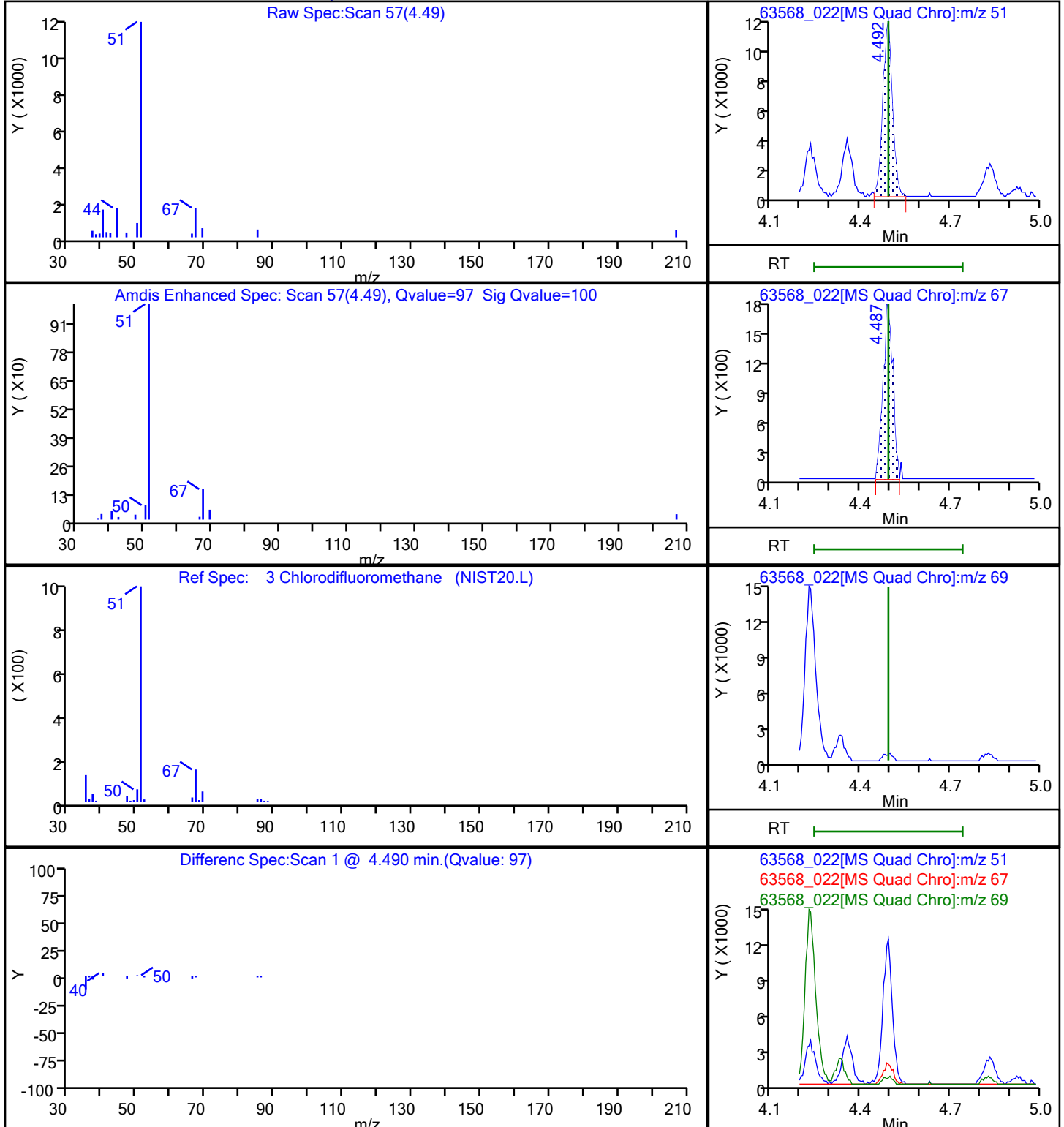
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

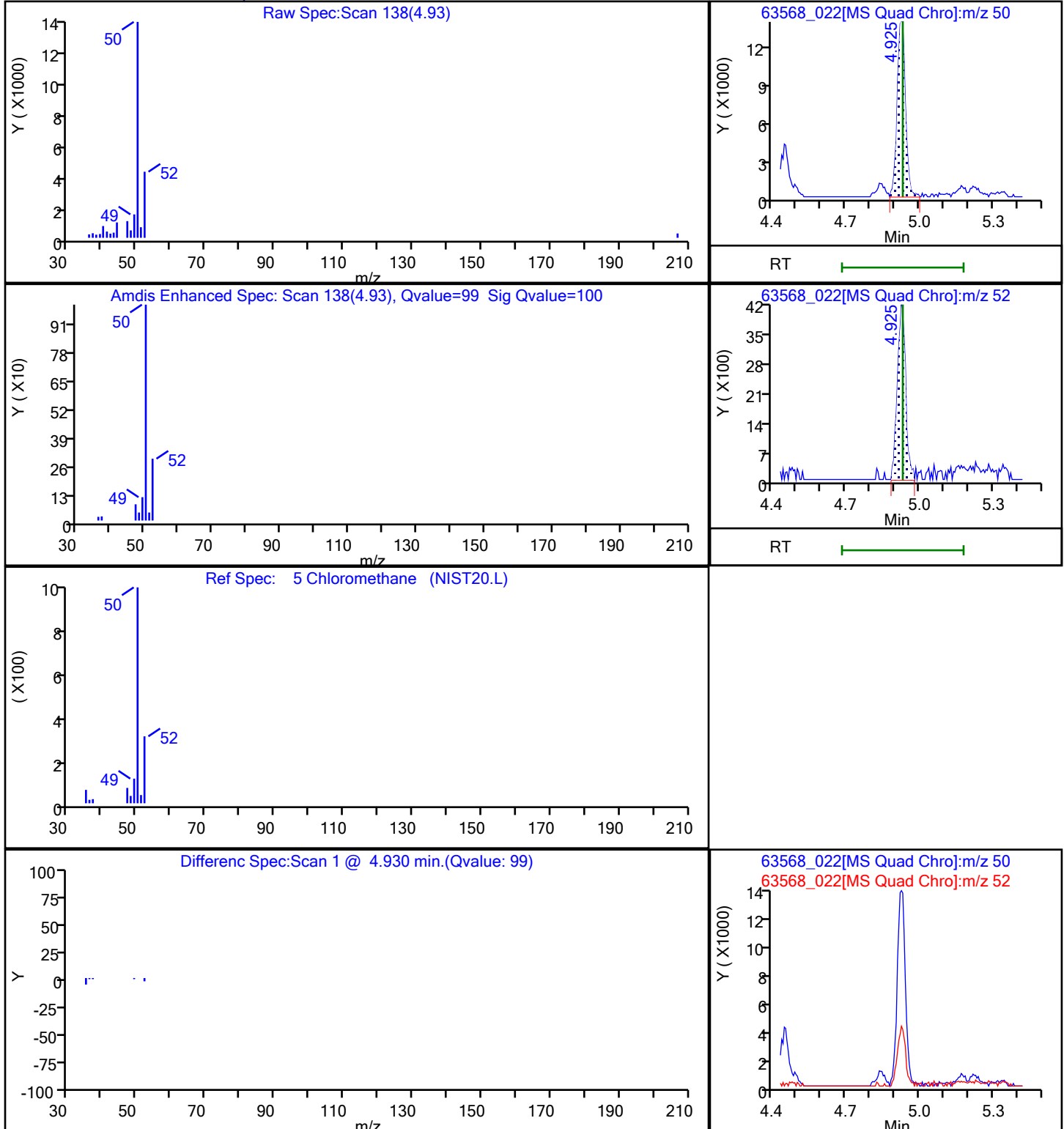
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

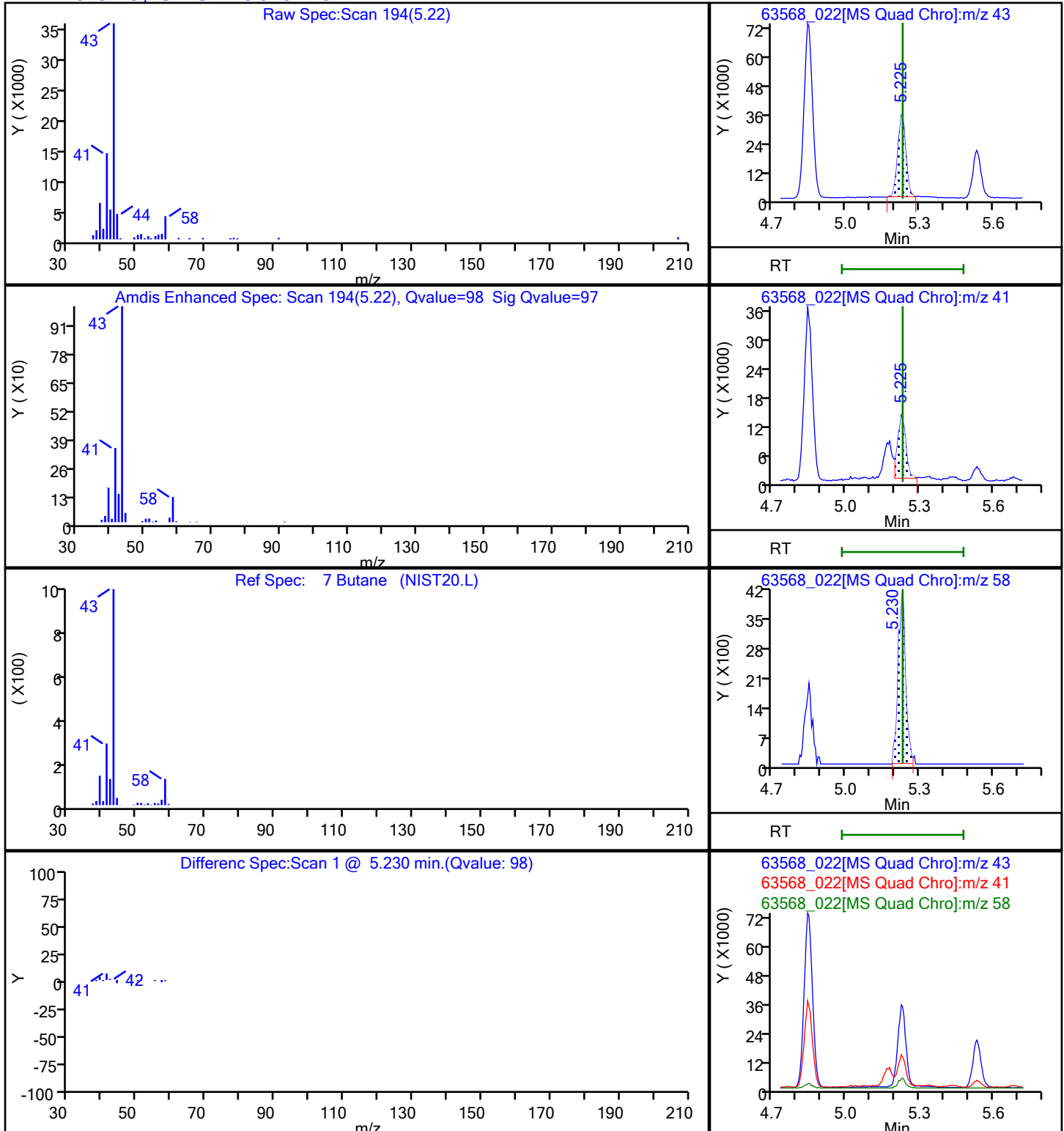
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

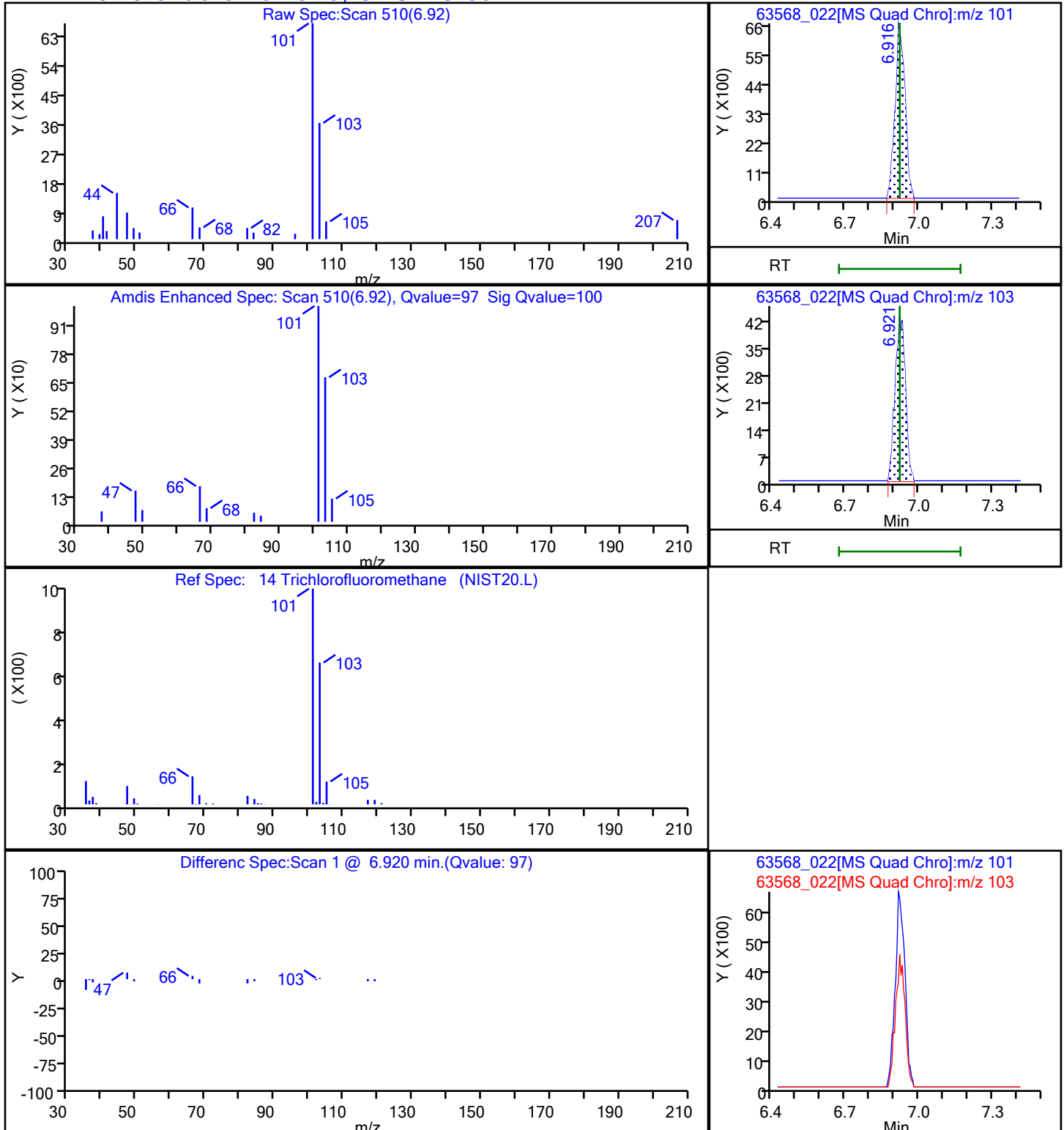
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

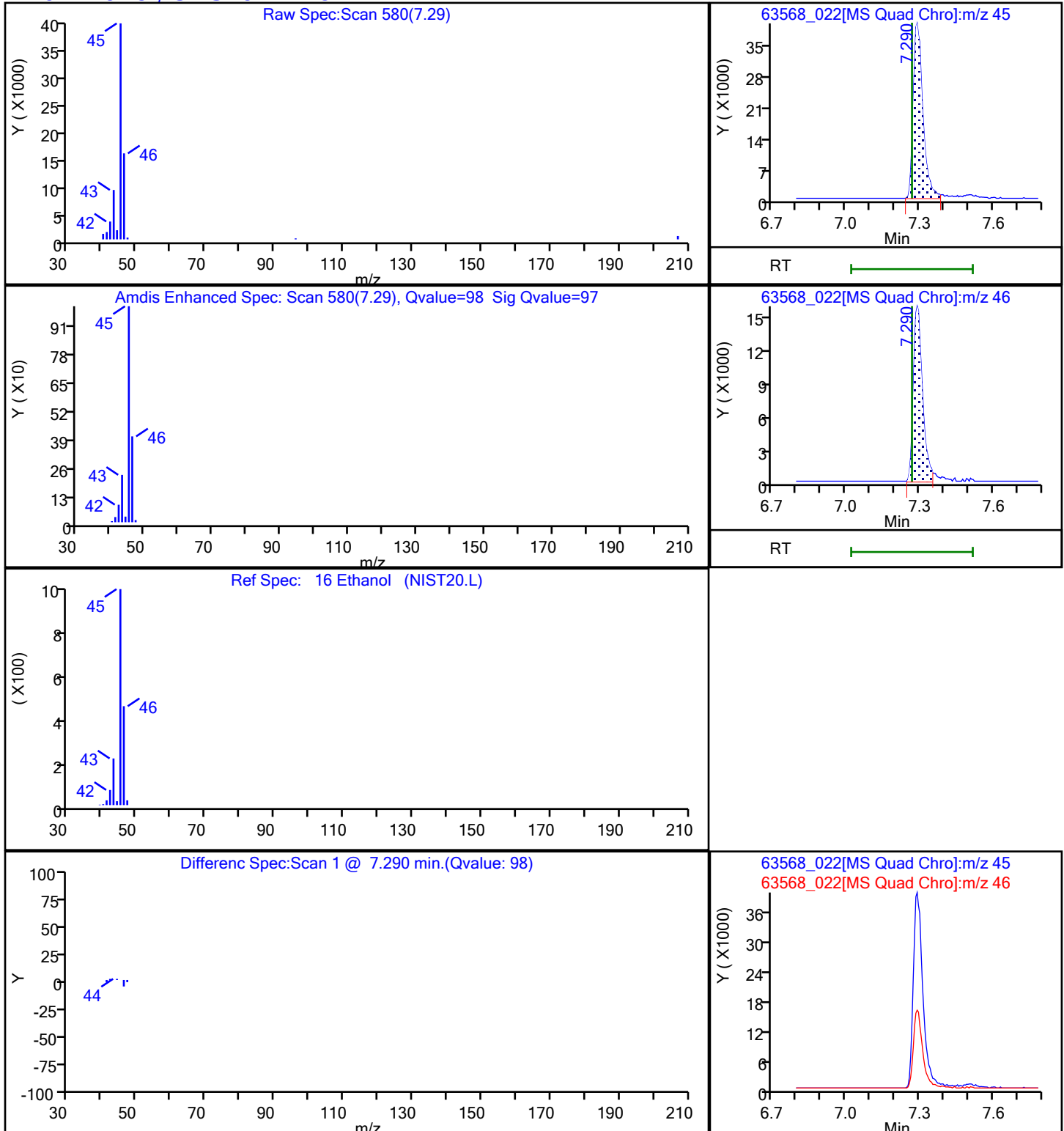
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Ethanol, CAS: 64-17-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

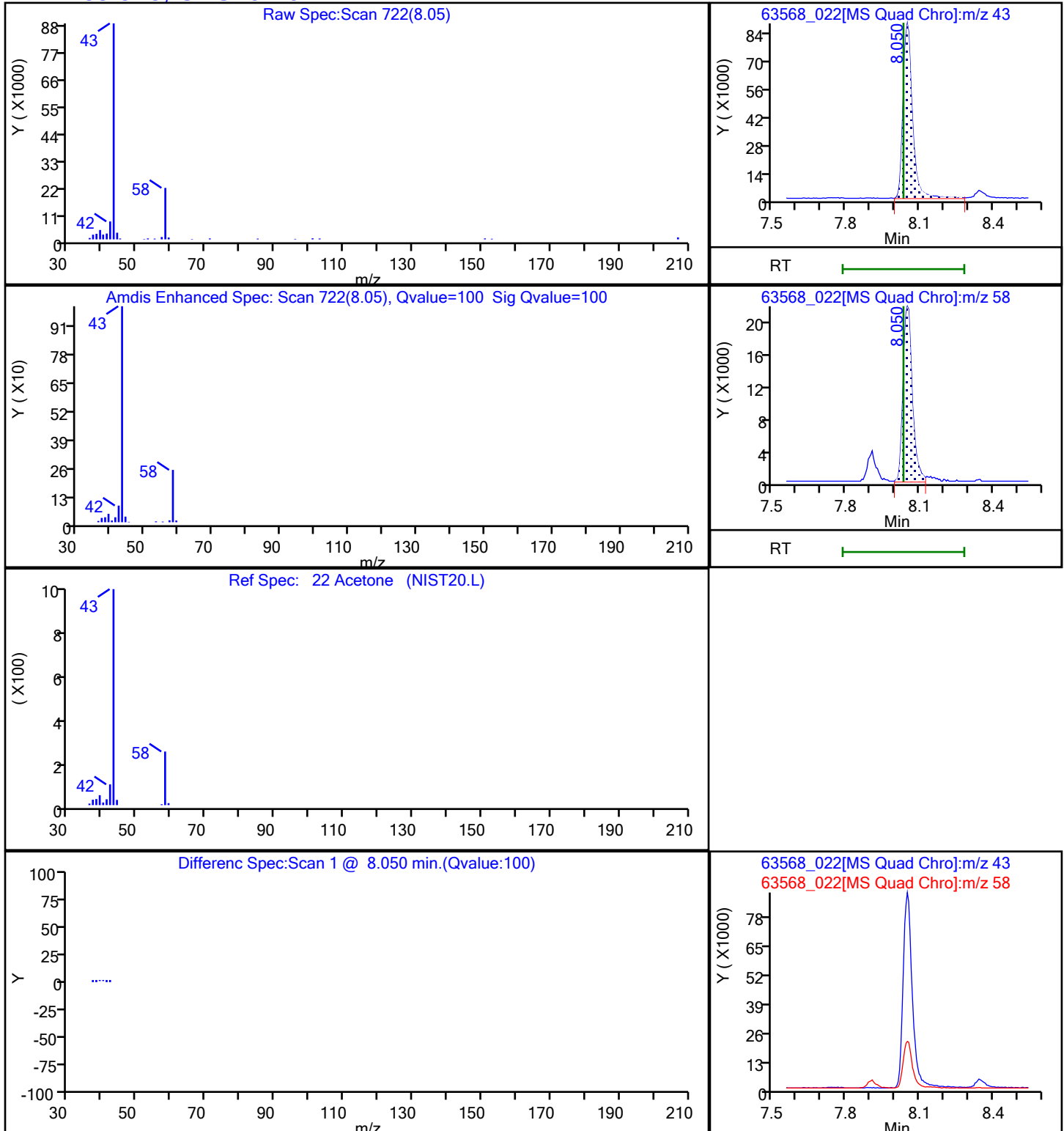
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

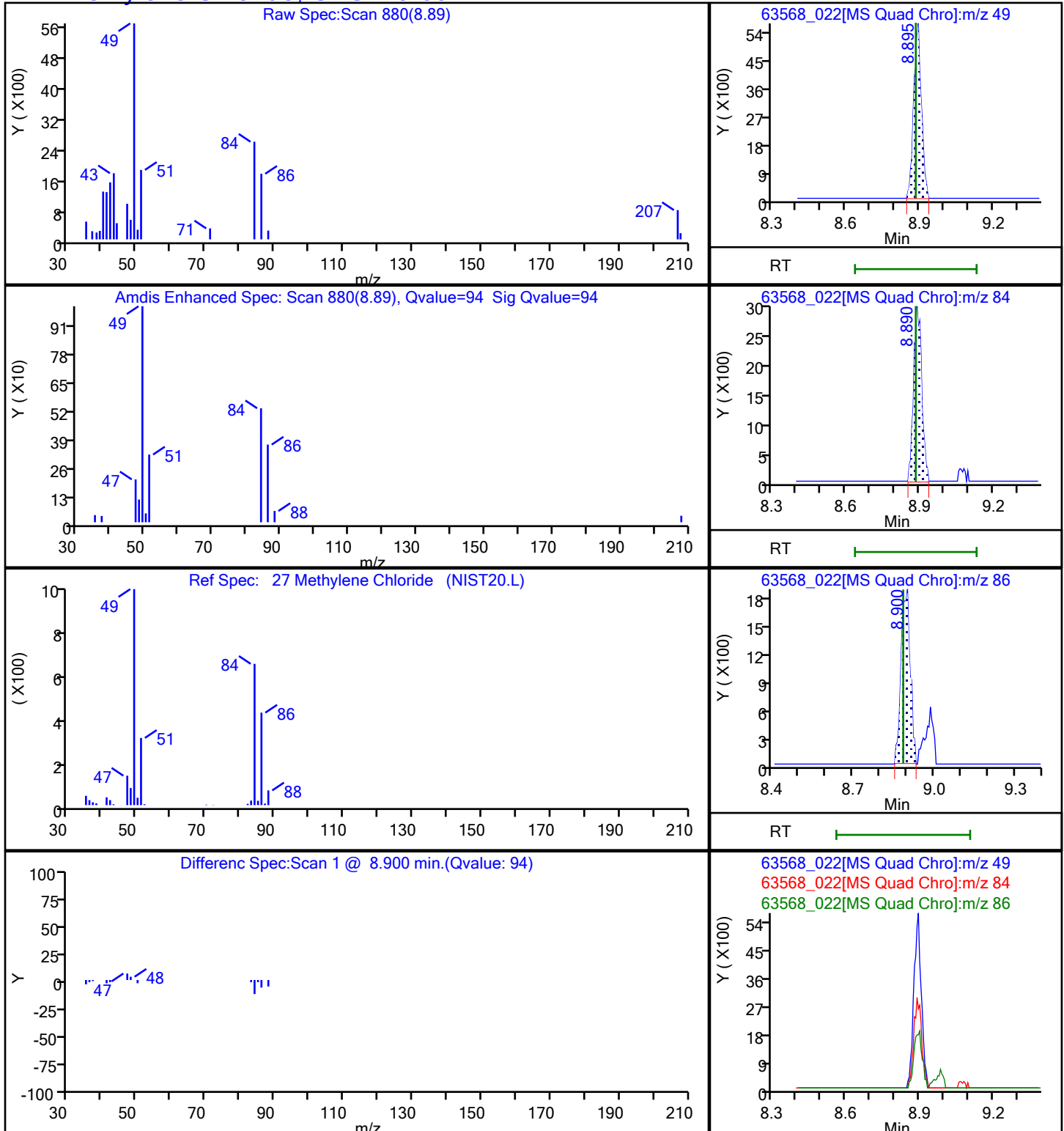
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

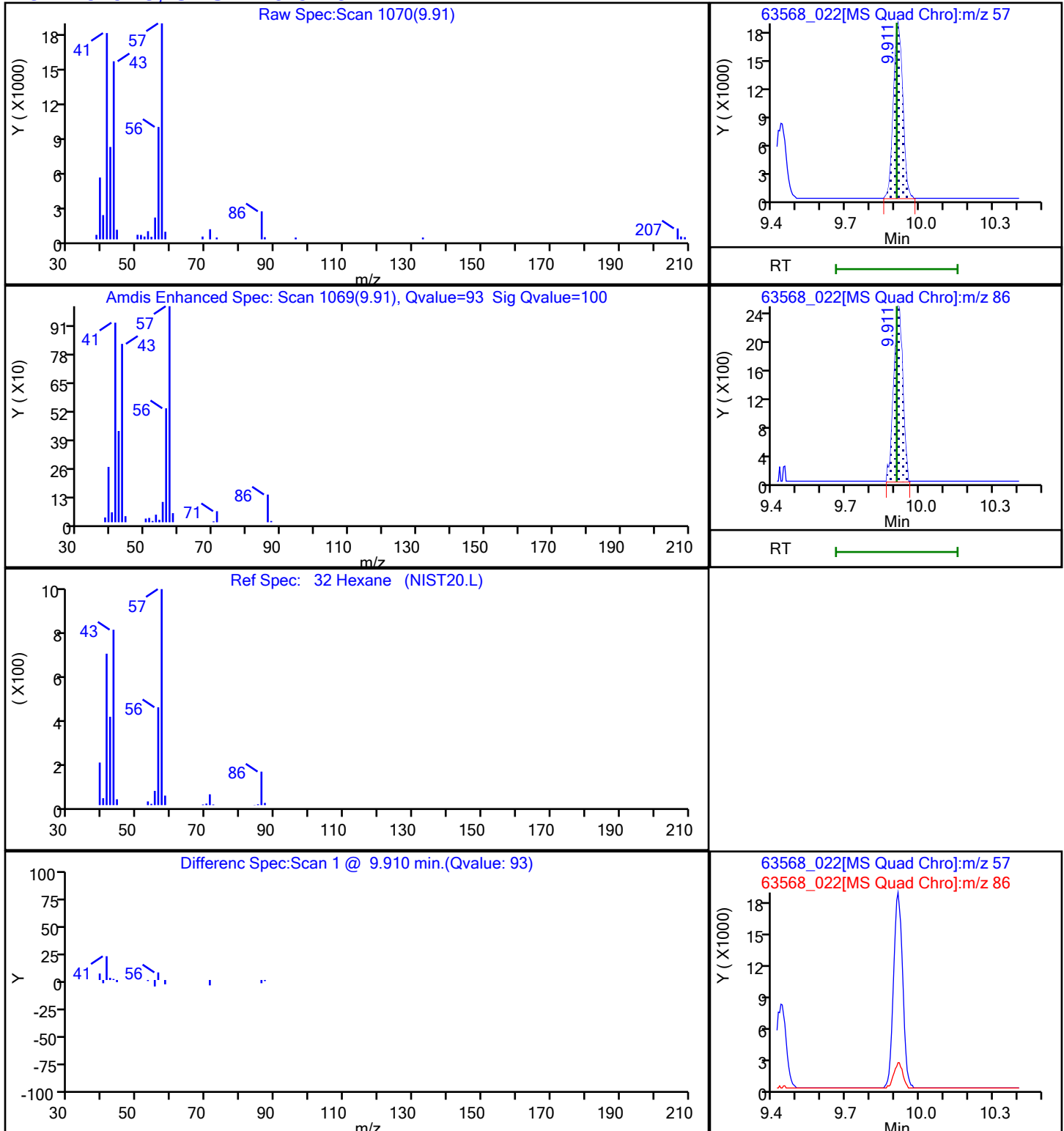
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

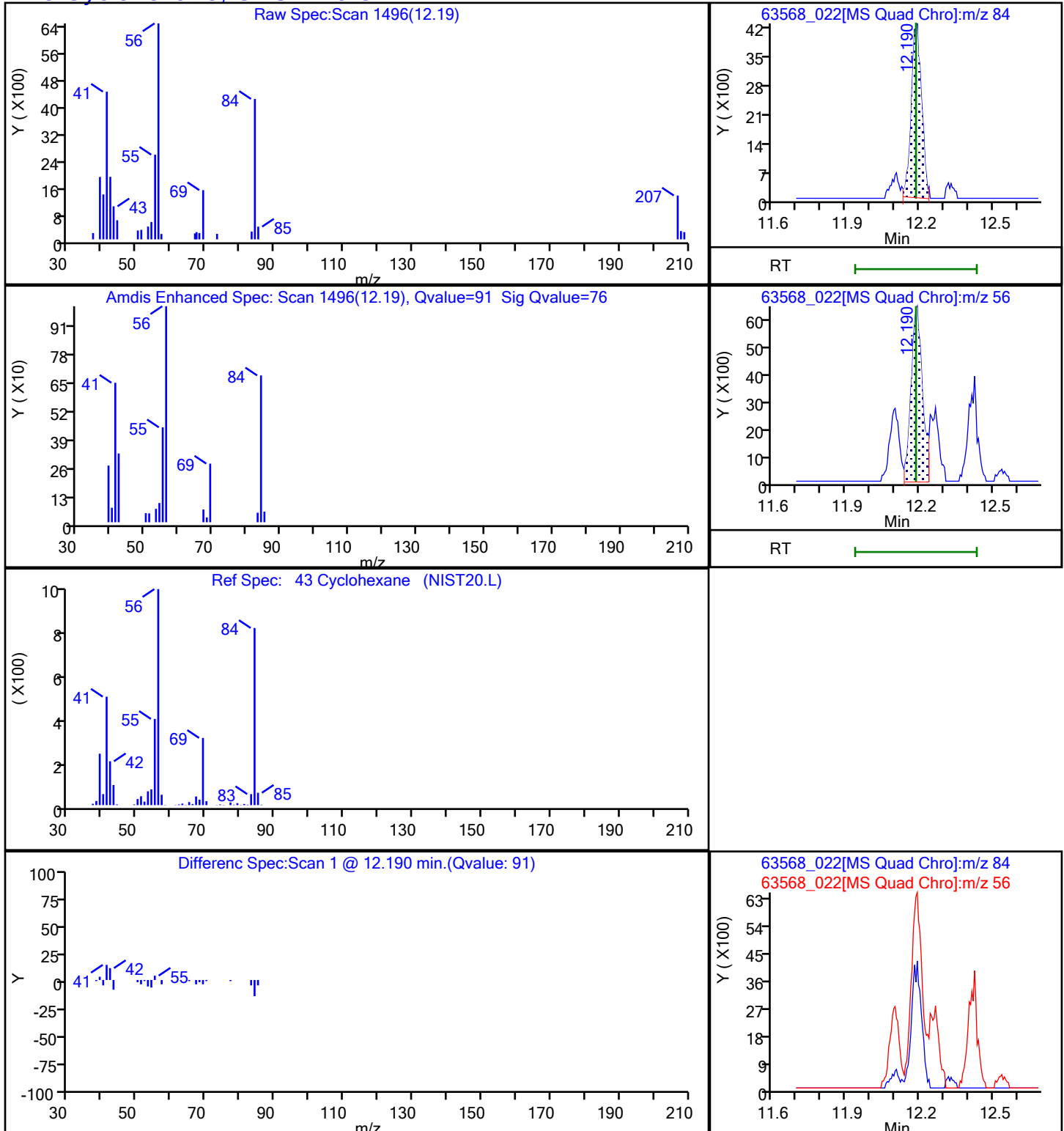
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

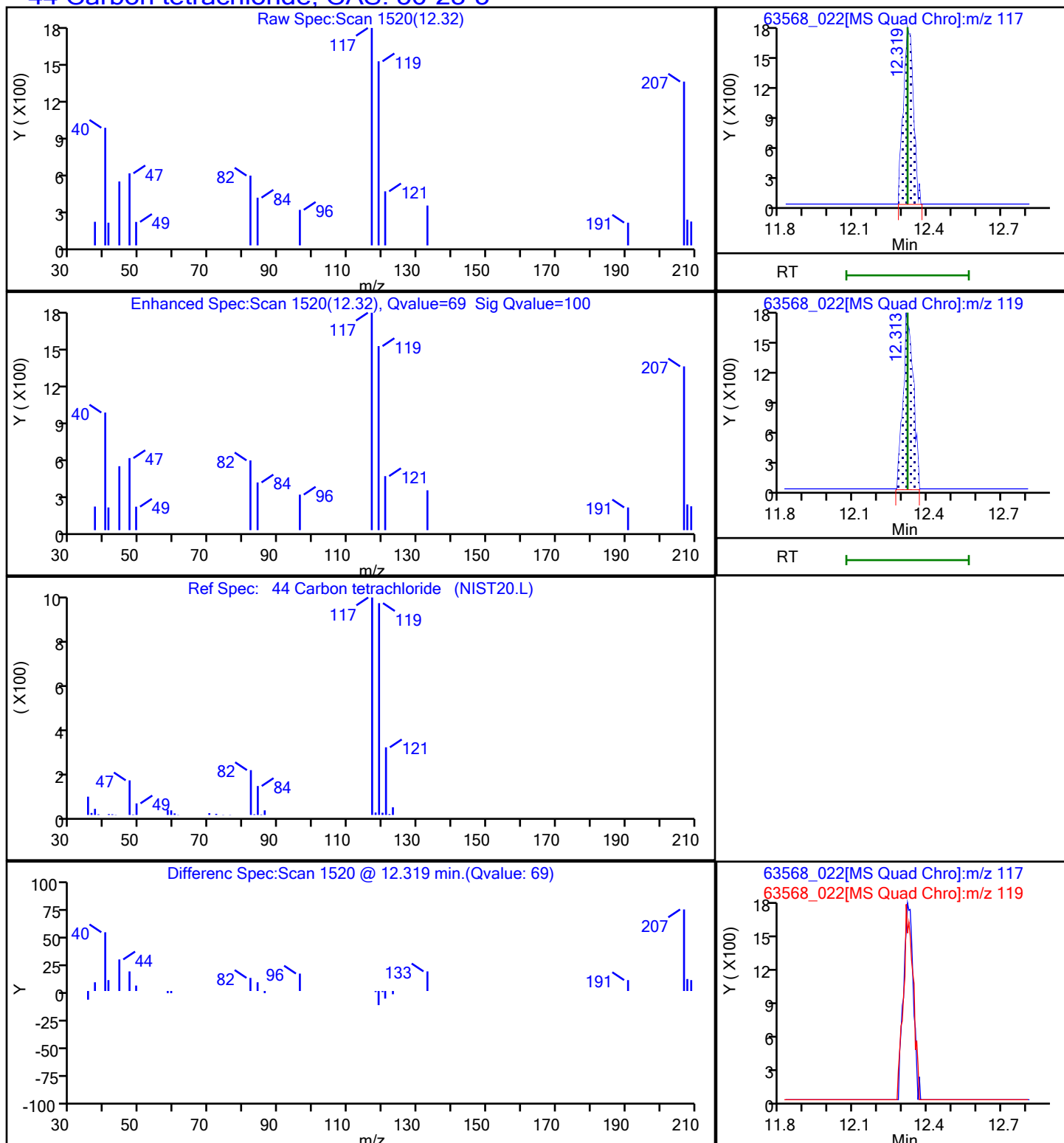
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Carbon tetrachloride, CAS: 56-23-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

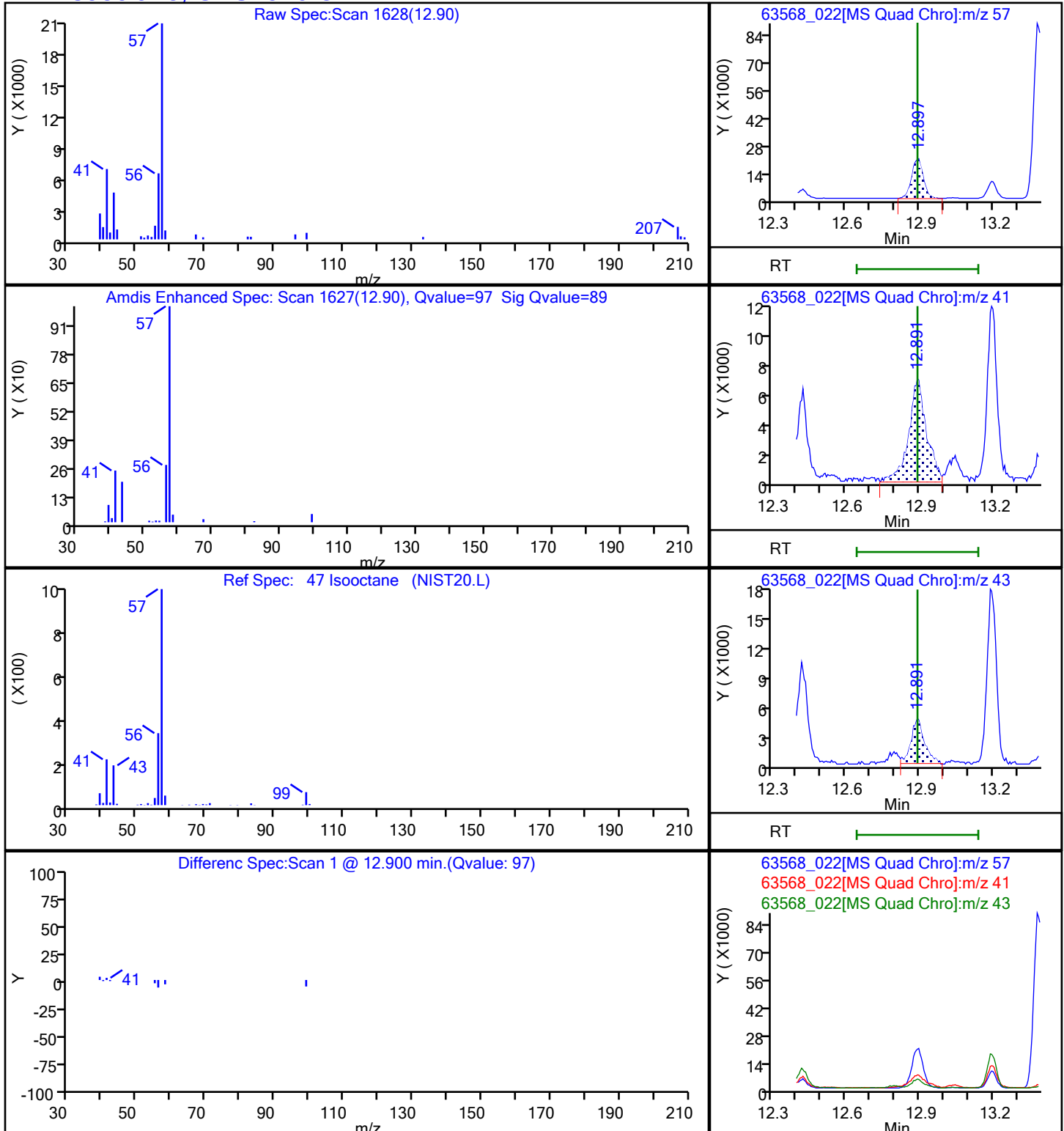
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

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Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

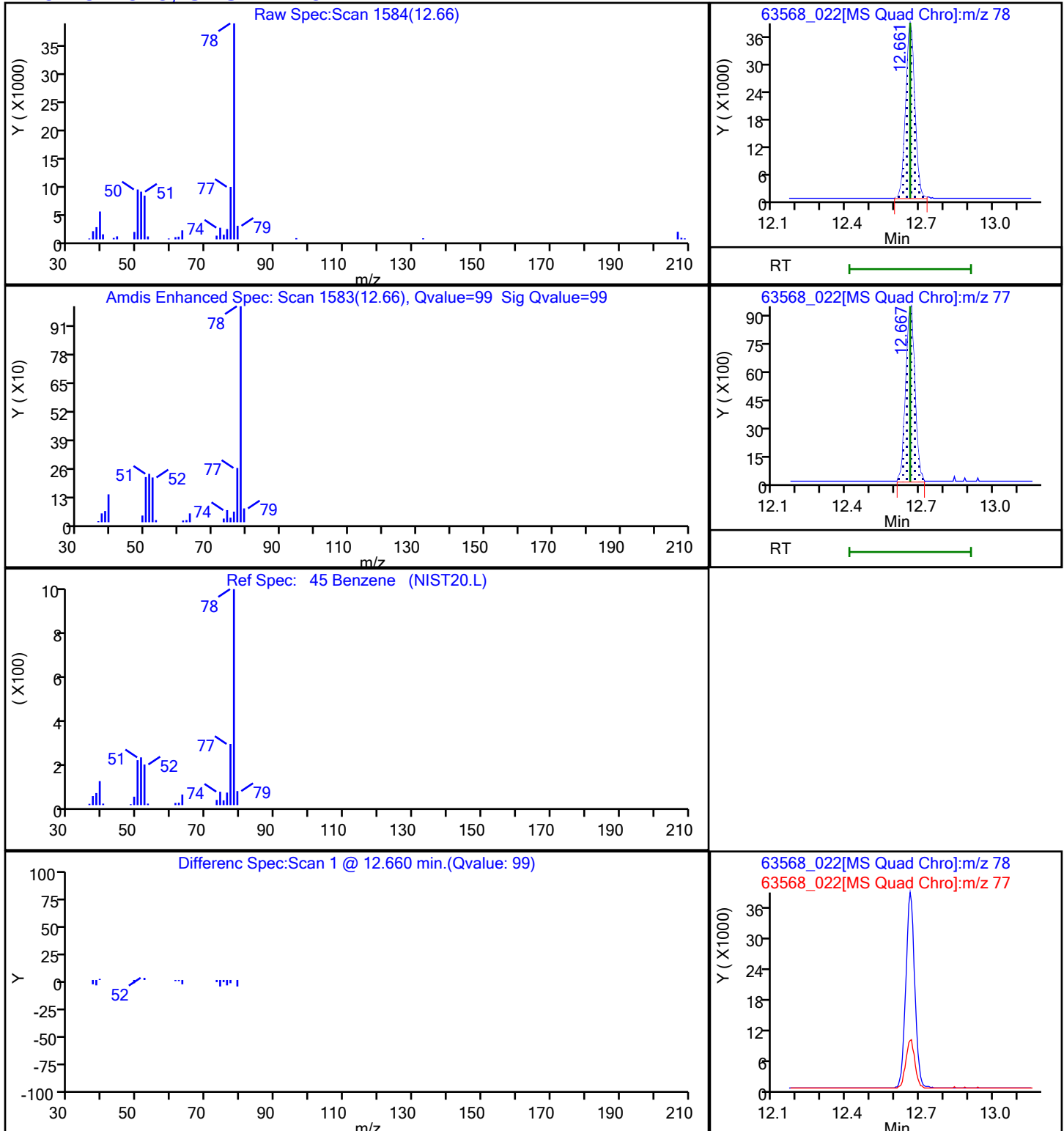
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

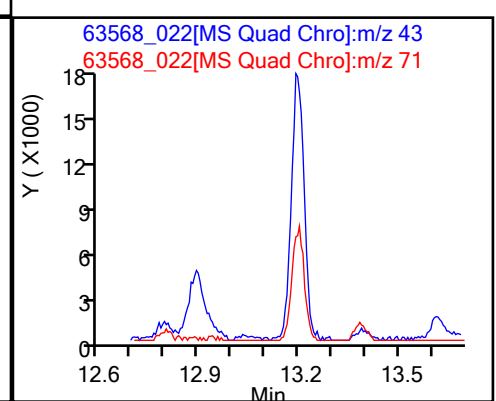
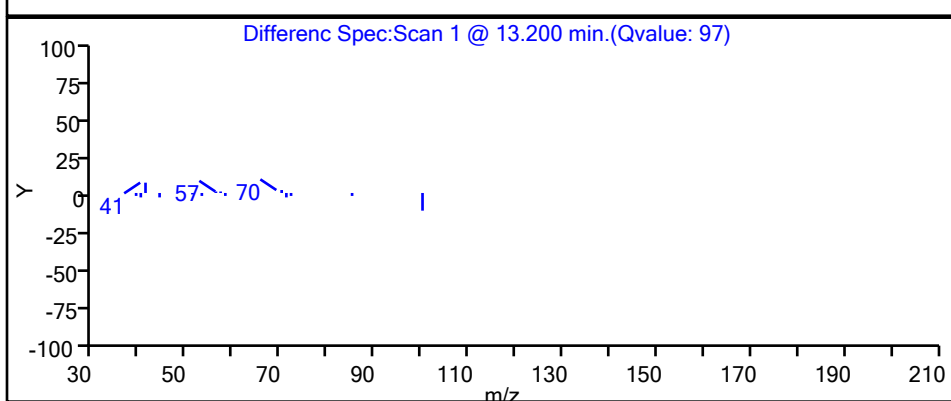
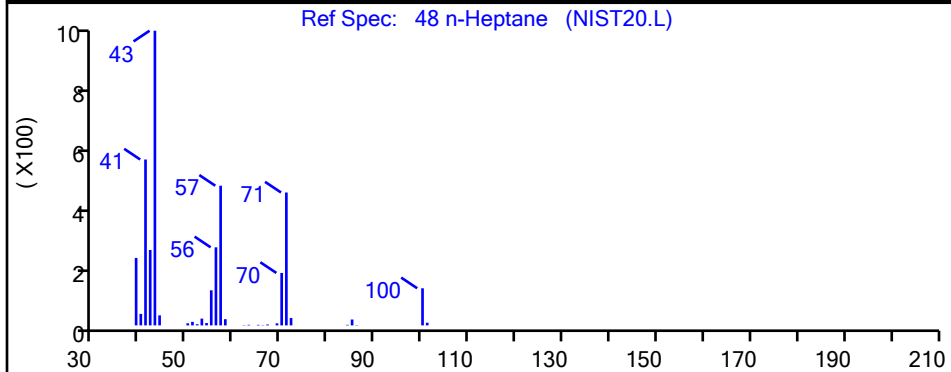
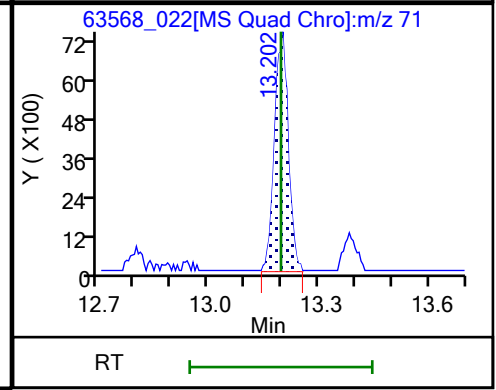
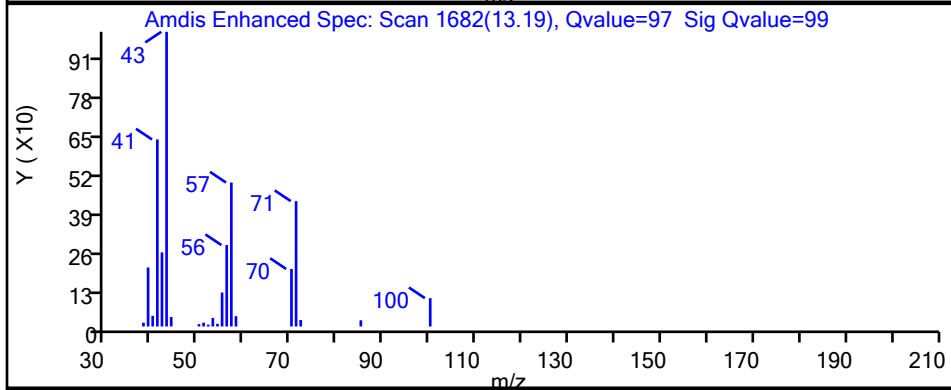
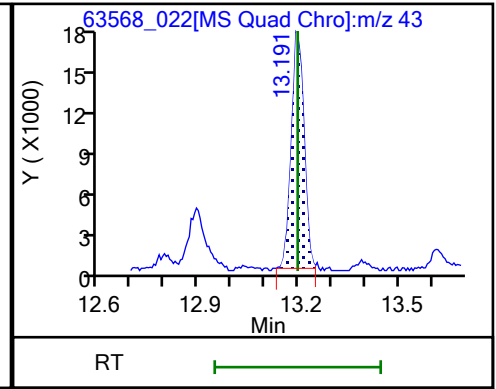
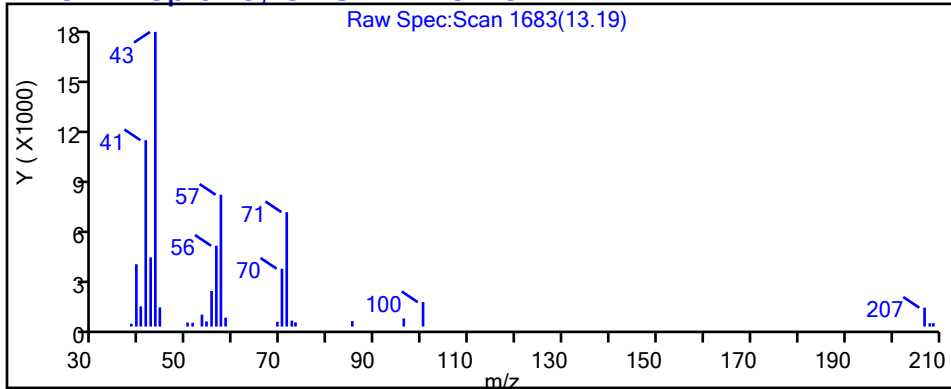
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

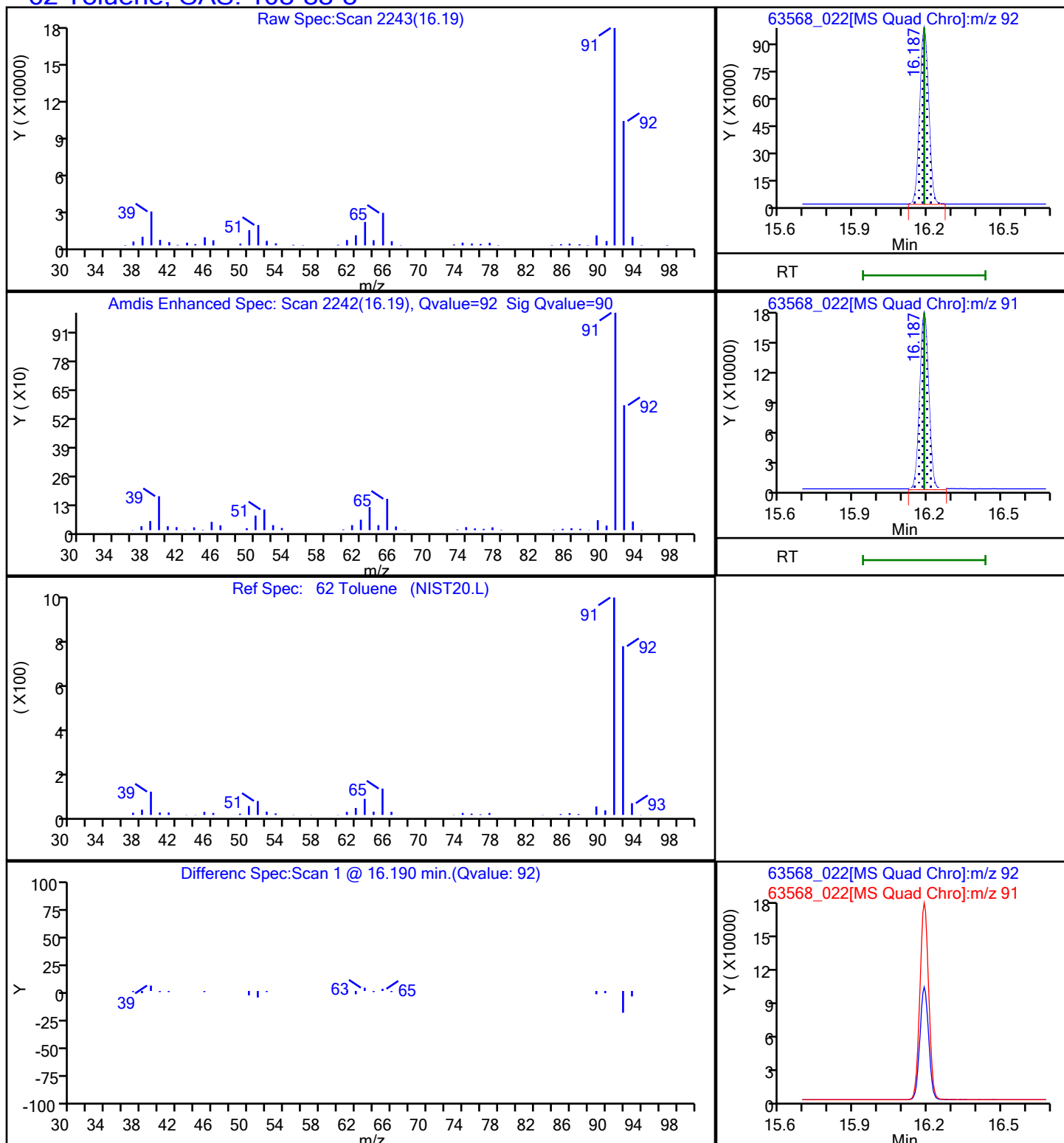
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

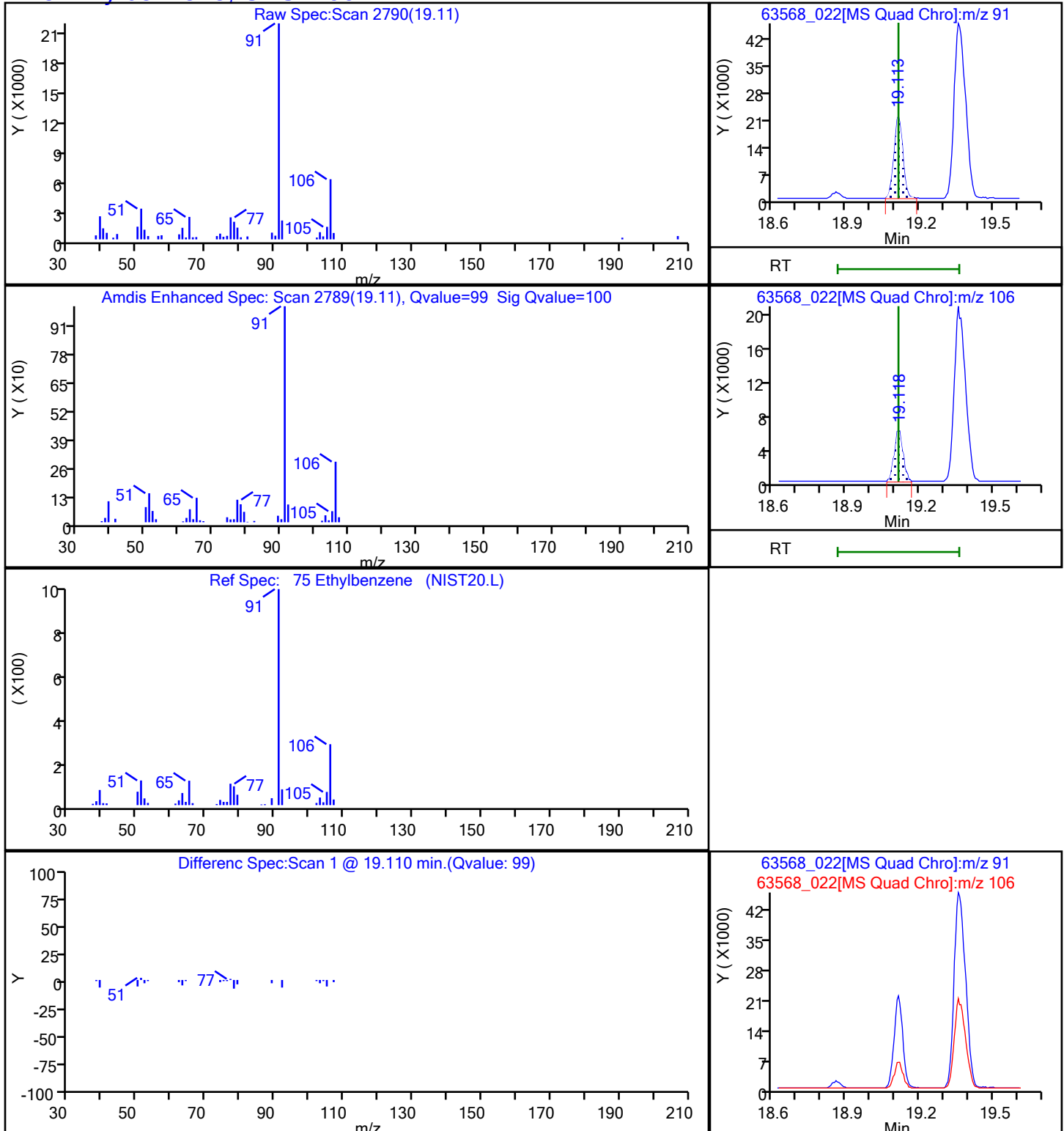
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

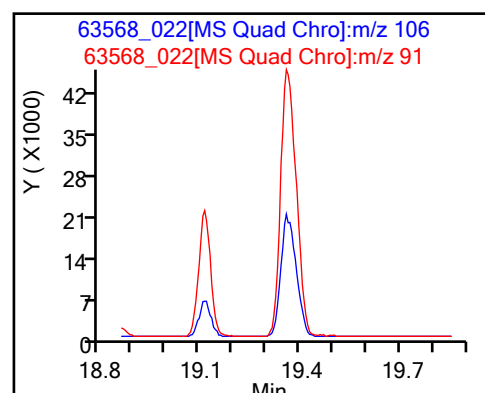
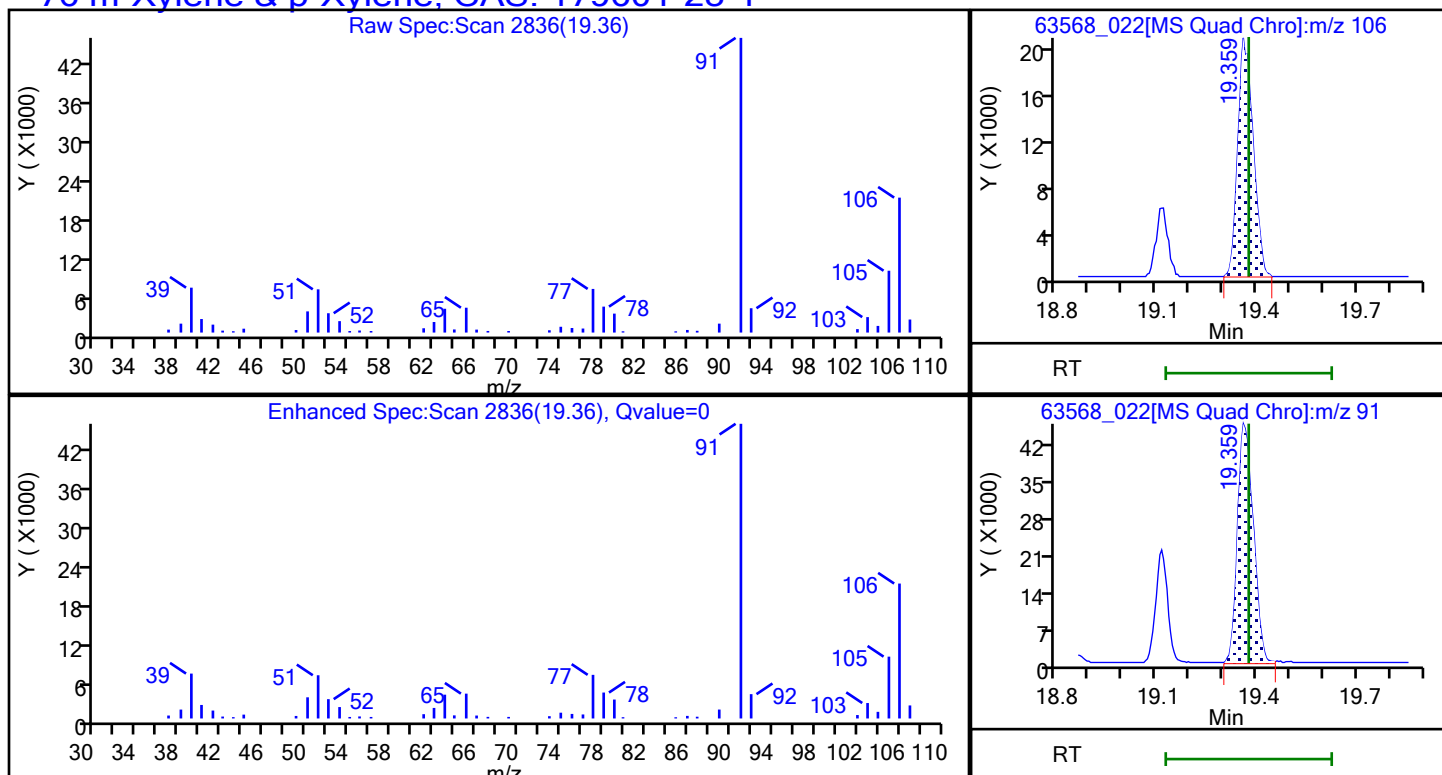
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

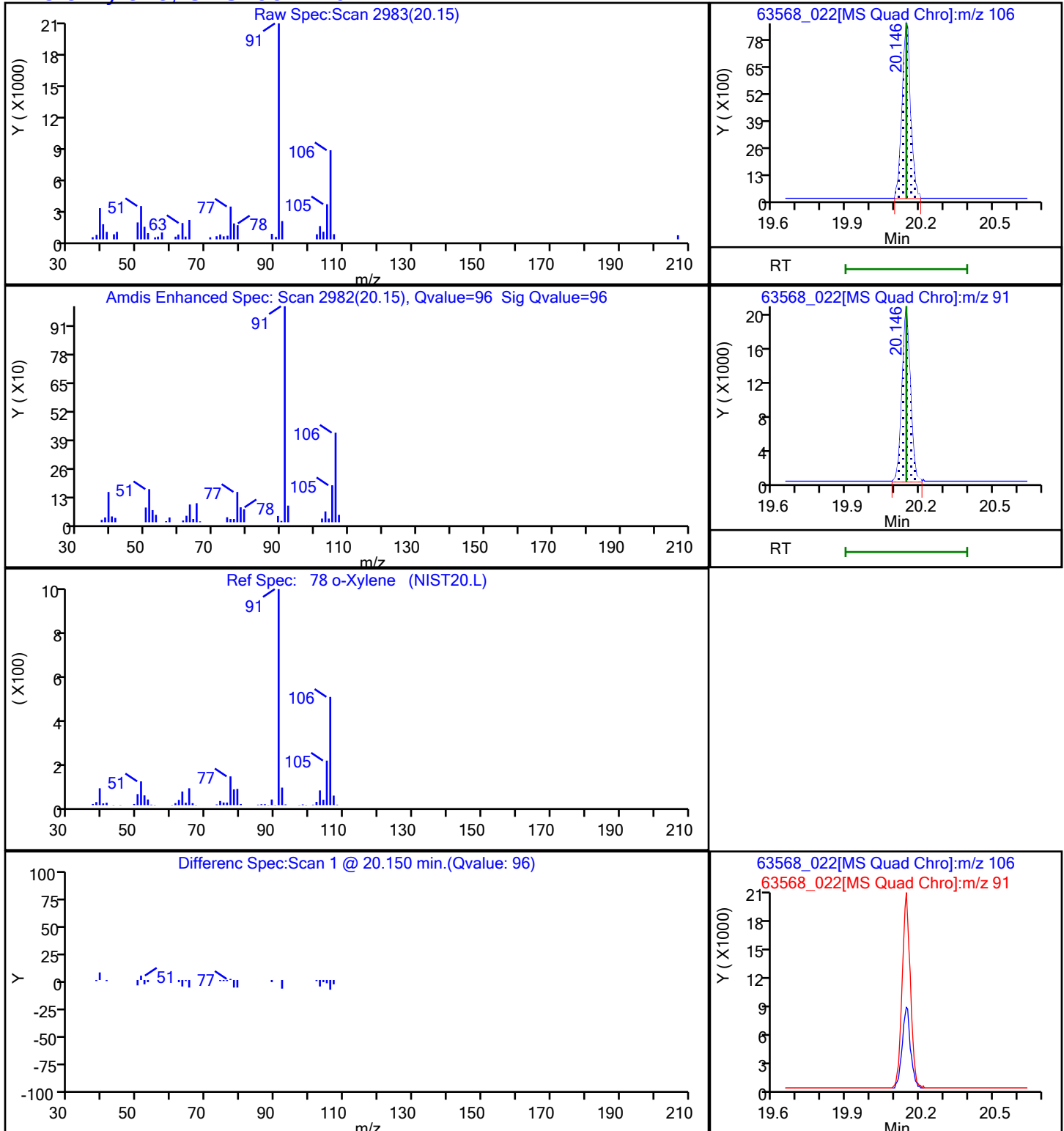
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

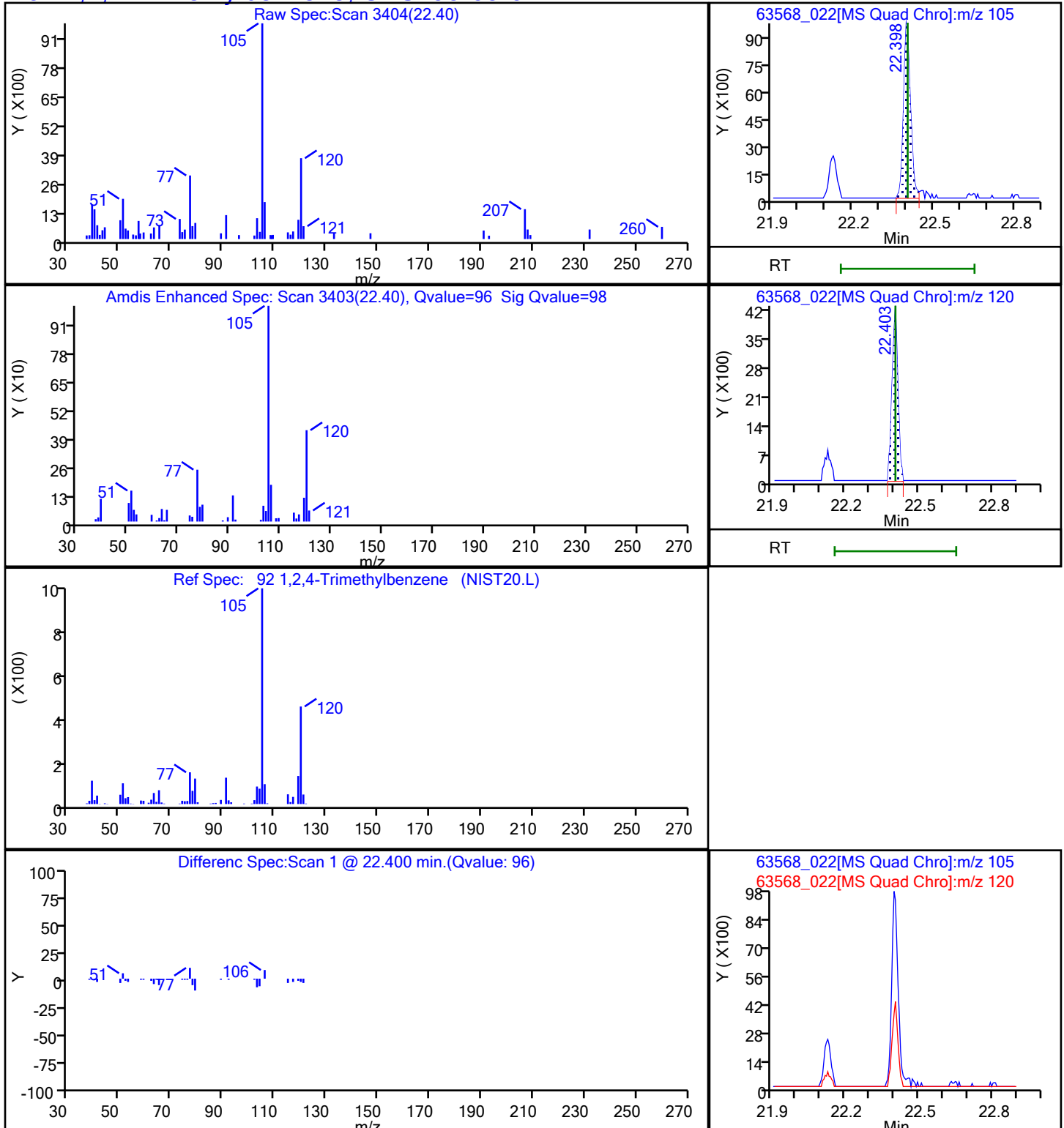
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#: 20 Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

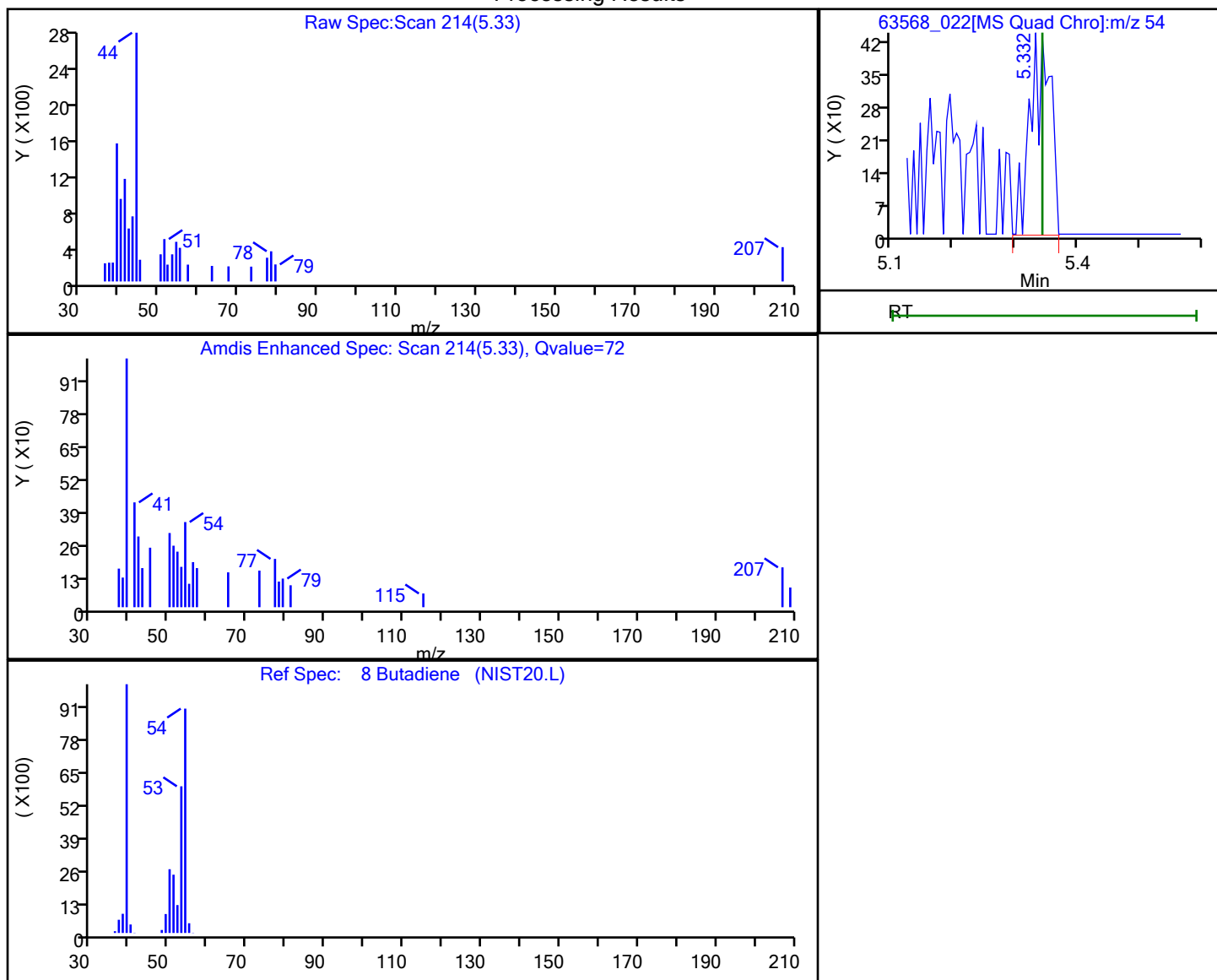
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.33	54.00	973	0.023680

Reviewer: YWL8, 05-Jan-2025 21:06:32 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

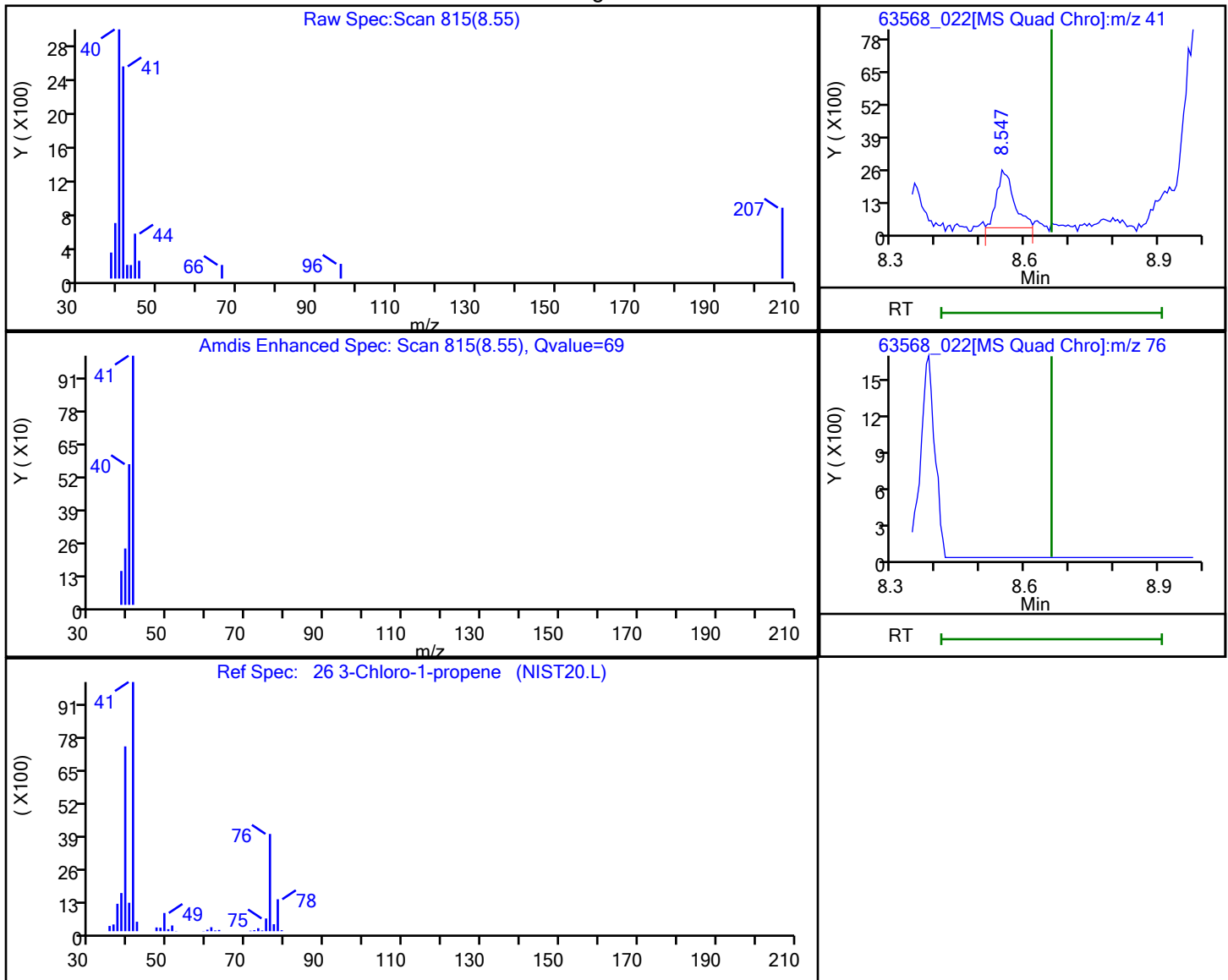
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.55	41.00	6055	0.081908
8.66	76.00	0	

Reviewer: YWL8, 05-Jan-2025 21:06:47 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

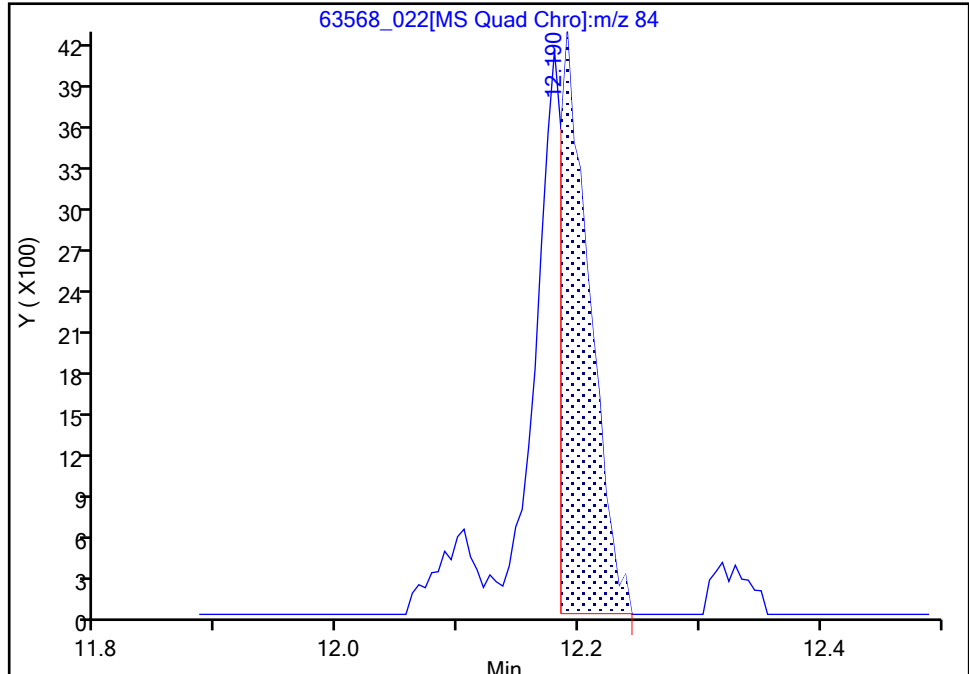
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D
Injection Date: 04-Jan-2025 01:21:05 Instrument ID: CHAN.i
Lims ID: 200-76392-A-2 Lab Sample ID: 200-76392-2
Client ID: SV122024KT002
Operator ID: wrd ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

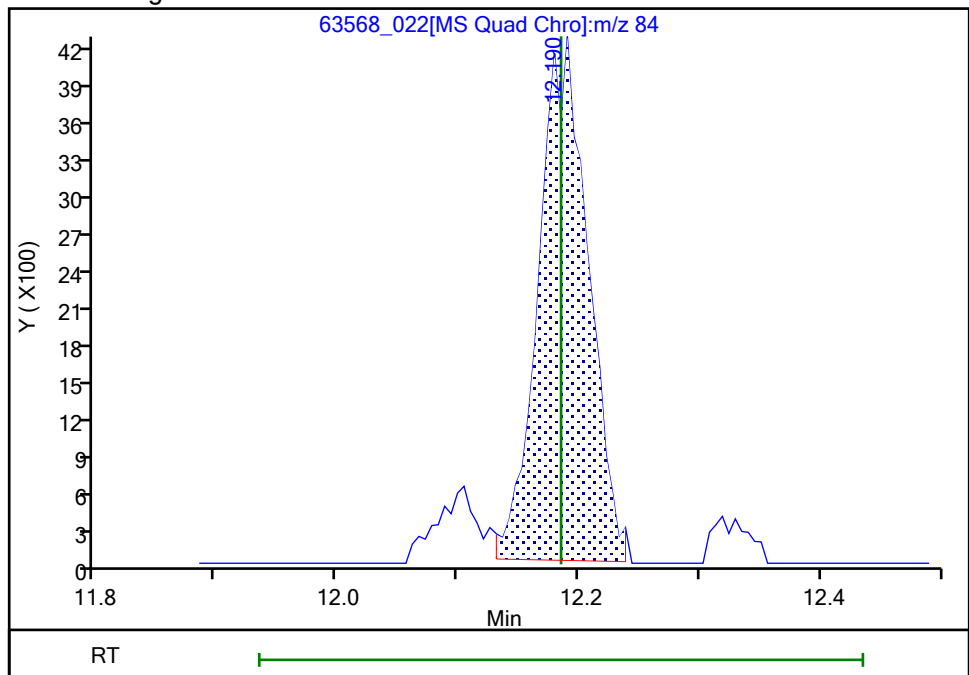
RT: 12.19
Area: 7212
Amount: 0.119452
Amount Units: ppb v/v

Processing Integration Results



RT: 12.19
Area: 11980
Amount: 0.198424
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:07:05 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

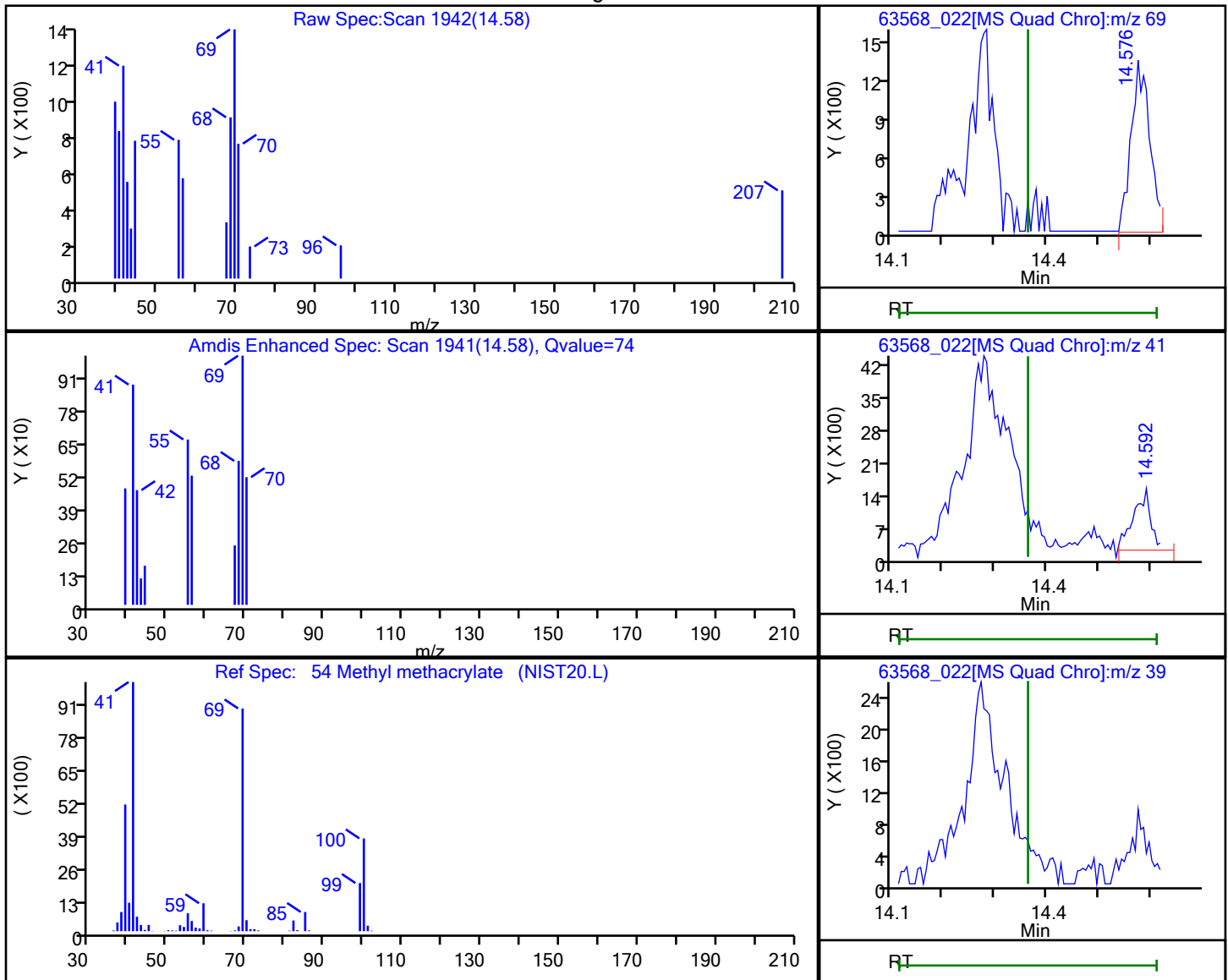
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.58	69.00	3341	0.061125
14.59	41.00	2976	
14.36	39.00	0	

Reviewer: YWL8, 05-Jan-2025 21:07:16 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

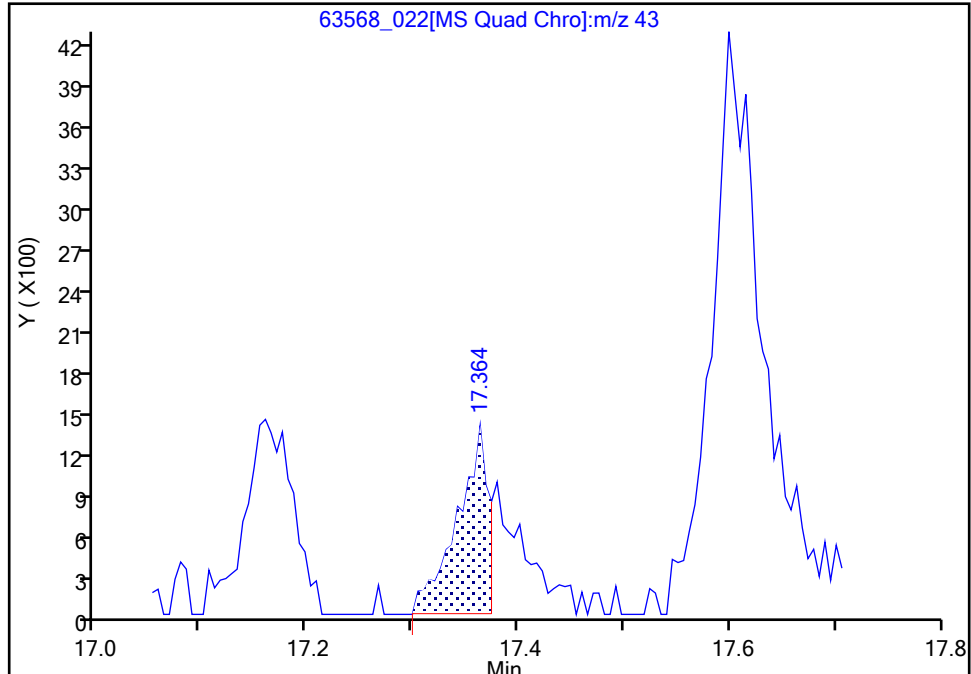
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D
Injection Date: 04-Jan-2025 01:21:05 Instrument ID: CHAN.i
Lims ID: 200-76392-A-2 Lab Sample ID: 200-76392-2
Client ID: SV122024KT002
Operator ID: wrd ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Signal: 1

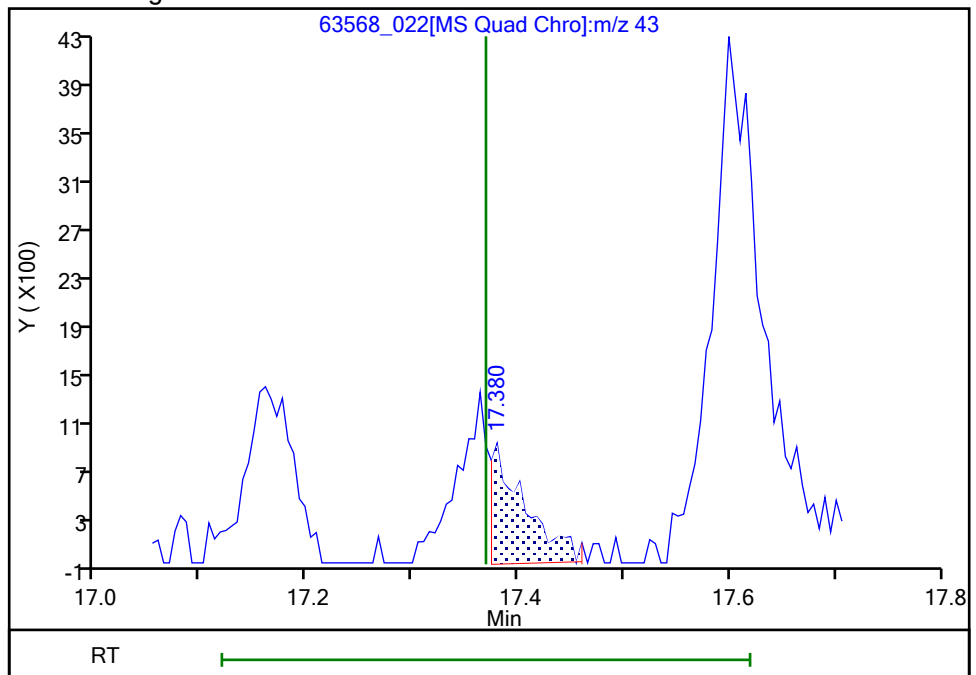
RT: 17.36
Area: 2843
Amount: 0.020923
Amount Units: ppb v/v

Processing Integration Results



RT: 17.38
Area: 2195
Amount: 0.016154
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:07:40 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_022.D

Injection Date: 04-Jan-2025 01:21:05

Instrument ID: CHAN.i

Lims ID: 200-76392-A-2

Lab Sample ID: 200-76392-2

Client ID: SV122024KT002

Operator ID: wrd

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

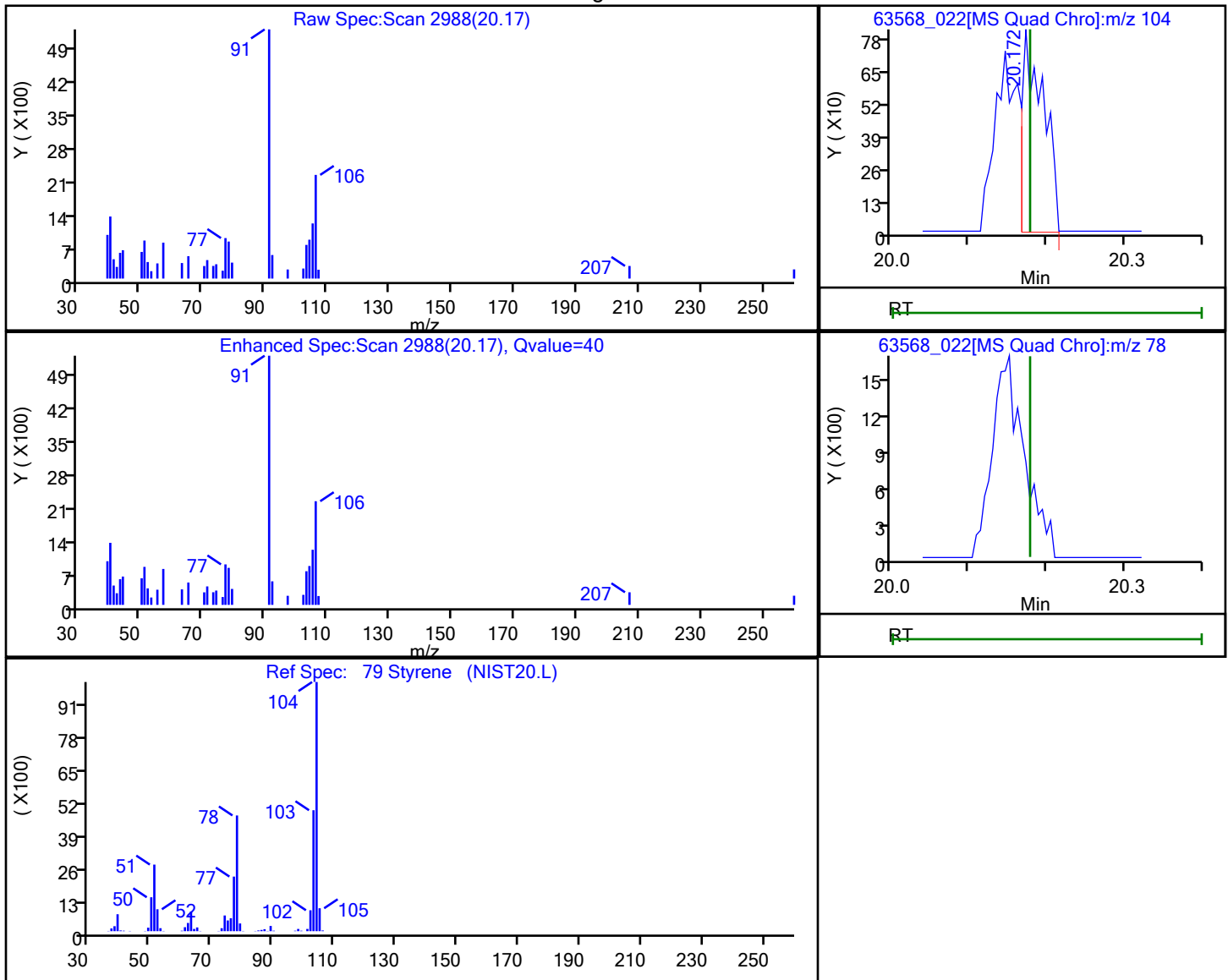
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
20.17	104.00	1548	0.012050
20.18	78.00	0	

Reviewer: YWL8, 05-Jan-2025 21:08:08 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT003</u>	Lab Sample ID: <u>200-76392-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_023.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 02:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

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	0.90	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	1.1		1.0	0.31
106-97-8	n-Butane	58.12	0.50	J	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		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.43	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
64-17-5	Ethanol	46.07	9.4	U	9.4	4.9
67-64-1	Acetone	58.08	4.7	J	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	1.6	J	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	0.27		0.20	0.083
67-66-3	Chloroform	119.38	0.25	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	0.68	J	1.1	0.24
110-82-7	Cyclohexane	84.16	0.58	J	0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT003</u>	Lab Sample ID: <u>200-76392-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_023.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 02:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.32		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.1		0.93	0.18
71-43-2	Benzene	78.11	2.7		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	1.7		0.82	0.23
79-01-6	Trichloroethene	131.39	5.3		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	0.60	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	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	9.5		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	170		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	0.90		0.87	0.30
179601-23-1	m,p-Xylene	106.17	2.9		2.2	0.41
95-47-6	o-Xylene	106.17	0.82	J	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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: SV122024KT003 Lab Sample ID: 200-76392-3
Matrix: Air Lab File ID: 63568_023.D
Analysis Method: TO-15 Date Collected: 12/20/2024 08:55
Sample wt/vol: 200 (mL) Date Analyzed: 01/04/2025 02:12
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.: 212533 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT003</u>	Lab Sample ID: <u>200-76392-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_023.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 02:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

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	0.25	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	0.53		0.50	0.15
106-97-8	n-Butane	58.12	0.21	J	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	0.19		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.056	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
64-17-5	Ethanol	46.07	5.0	U	5.0	2.6
67-64-1	Acetone	58.08	2.0	J	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	0.44	J	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	0.069		0.050	0.021
67-66-3	Chloroform	119.38	0.051	J	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	0.12	J	0.20	0.044
110-82-7	Cyclohexane	84.16	0.17	J	0.20	0.058

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT003</u>	Lab Sample ID: <u>200-76392-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_023.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:55</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 02:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.051		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.23		0.20	0.038
71-43-2	Benzene	78.11	0.85		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	0.41		0.20	0.055
79-01-6	Trichloroethene	131.39	0.98		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	0.17	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	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	2.5		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	24		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	0.21		0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.66		0.50	0.095
95-47-6	o-Xylene	106.17	0.19	J	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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: SV122024KT003 Lab Sample ID: 200-76392-3
Matrix: Air Lab File ID: 63568_023.D
Analysis Method: TO-15 Date Collected: 12/20/2024 08:55
Sample wt/vol: 200 (mL) Date Analyzed: 01/04/2025 02:12
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.: 212533 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D
 Lims ID: 200-76392-A-3
 Client ID: SV122024KT003
 Sample Type: Client
 Inject. Date: 04-Jan-2025 02:12:31 ALS Bottle#: 21 Worklist Smp#: 23
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063568-023
 Misc. Info.: 76392-3
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jan-2025 21:11:09 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1603

First Level Reviewer: YWL8

Date: 05-Jan-2025 21:11:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.438	4.455	-0.011	98	54322	0.4759	
3 Chlorodifluoromethane	51	4.486	4.492	-0.006	97	22787	0.2543	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.802	4.802	-0.011	0	1717	0.0140	7M
5 Chloromethane	50	4.920	4.931	-0.011	99	28829	0.5315	
6 Vinyl chloride	62		5.225				ND	
7 Butane	43	5.219	5.230	-0.011	99	17458	0.2102	
8 Butadiene	54		5.343				ND	7
9 Bromomethane	94		6.065				ND	
10 Chloroethane	64		6.333				ND	
13 Vinyl bromide	106		6.755				ND	
14 Trichlorofluoromethane	101	6.920	6.915	-0.001	98	19342	0.1950	
16 Ethanol	45	7.295	7.269	0.026	98	62748	2.36	
20 1,1-Dichloroethene	96		7.975				ND	7
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.017	8.021	-0.001	81	4673	0.0562	
22 Acetone	43	8.049	8.037	0.015	100	169553	1.98	
23 Isopropyl alcohol	45	8.349	8.349	0.026	100	27329	0.3183	
24 Carbon disulfide	76	8.376	8.376	0.000	98	11329	0.0866	
26 3-Chloro-1-propene	41		8.660				ND	7
27 Methylene Chloride	49	8.895	8.884	0.011	97	6947	0.1090	
28 2-Methyl-2-propanol	59		9.088				ND	7
30 trans-1,2-Dichloroethene	61		9.387				ND	7
31 Methyl tert-butyl ether	73		9.393				ND	7
32 Hexane	57	9.911	9.906	0.005	94	35558	0.4417	
33 1,1-Dichloroethane	63		10.147				ND	
36 2-Butanone (MEK)	72	11.141	11.105	0.037	99	2700	0.1119	
37 cis-1,2-Dichloroethene	96	11.141	11.141	0.004	48	3251	0.0686	M
* 39 Chlorobromomethane	128	11.548	11.543	0.005	91	312209	10.0	
40 Tetrahydrofuran	42		11.591				ND	7
41 Chloroform	83	11.730	11.730	0.005	95	4878	0.0507	
42 1,1,1-Trichloroethane	97	12.035	12.041	-0.006	95	11246	0.1238	
43 Cyclohexane	84	12.190	12.190	0.005	90	10037	0.1696	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.324	12.314	0.005	90	4349	0.0508	
45 Benzene	78	12.666	12.656	0.005	99	123622	0.8478	
46 1,2-Dichloroethane	62		12.725				ND	
47 Isooctane	57	12.891	12.891	0.000	97	59761	0.2285	
48 n-Heptane	43	13.196	13.191	0.000	98	45417	0.4135	
* 49 1,4-Difluorobenzene	114	13.388	13.389	-0.001	98	1551722	10.0	
51 Trichloroethene	95	13.827	13.822	0.005	88	59232	0.9832	
53 1,2-Dichloropropane	63		14.272				ND	
54 Methyl methacrylate	69		14.363				ND	MU
55 1,4-Dioxane	88	14.421	14.400	0.021	95	4587	0.1672	
58 Dichlorobromomethane	83		14.737				ND	
59 cis-1,3-Dichloropropene	75		15.539				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.817	15.817	0.021	40	3011	0.0215	7M
62 Toluene	92	16.186	16.187	-0.001	91	249244	2.51	
66 trans-1,3-Dichloropropene	75		16.588				ND	
67 1,1,2-Trichloroethane	83		16.963				ND	MU
68 Tetrachloroethene	166	17.181	17.182	-0.001	88	1573497	24.5	
69 2-Hexanone	43		17.369				ND	7
70 Chlorodibromomethane	129		17.701				ND	
71 Ethylene Dibromide	107		17.942				ND	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	95	1395790	10.0	
74 Chlorobenzene	112		18.915				ND	
75 Ethylbenzene	91	19.113	19.113	0.000	99	46385	0.2083	
76 m-Xylene & p-Xylene	106	19.364	19.364	-0.011	0	52457	0.6613	
78 o-Xylene	106	20.145	20.145	-0.001	96	14571	0.1878	
79 Styrene	104	20.188	20.177	0.010	13	1363	0.0108	
81 Bromoform	173		20.509				ND	
82 Isopropylbenzene	105	20.841	20.835	0.005	60	3929	0.0167	
83 1,1,2,2-Tetrachloroethane	83		21.333				ND	7
85 N-Propylbenzene	91	21.547	21.547	0.000	95	4924	0.0164	
86 2-Chlorotoluene	91		21.692				ND	
87 4-Ethyltoluene	105	21.739	21.740	-0.001	94	4032	0.0180	
88 1,3,5-Trimethylbenzene	105	21.836	21.831	0.000	87	2780	0.0147	
91 tert-Butylbenzene	119		22.318				ND	7
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	94	9158	0.0478	
93 sec-Butylbenzene	105		22.639				ND	
94 1,3-Dichlorobenzene	146		22.804				ND	7
95 4-Isopropyltoluene	119		22.853				ND	7
96 1,4-Dichlorobenzene	146		22.949				ND	7
97 Benzyl chloride	91		23.088				ND	7
98 n-Butylbenzene	91		23.409				ND	7
99 1,2-Dichlorobenzene	146		23.436				ND	
102 1,2,4-Trichlorobenzene	180		25.886				ND	
103 Hexachlorobutadiene	225		26.137				ND	
104 Naphthalene	128		26.362				ND	7

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Worklist Smp#: 23

Client ID: SV122024KT003

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

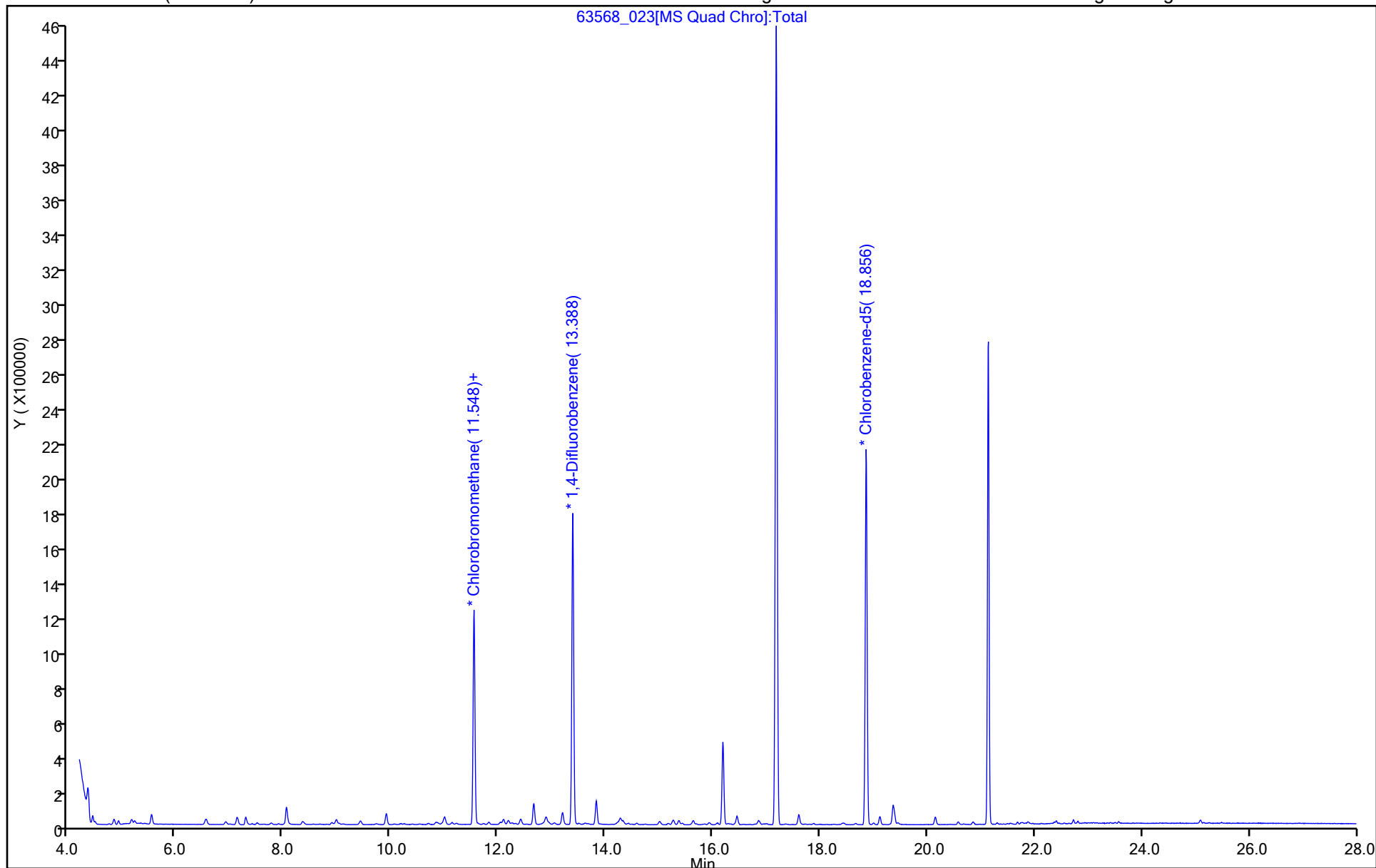
ALS Bottle#: 21

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\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

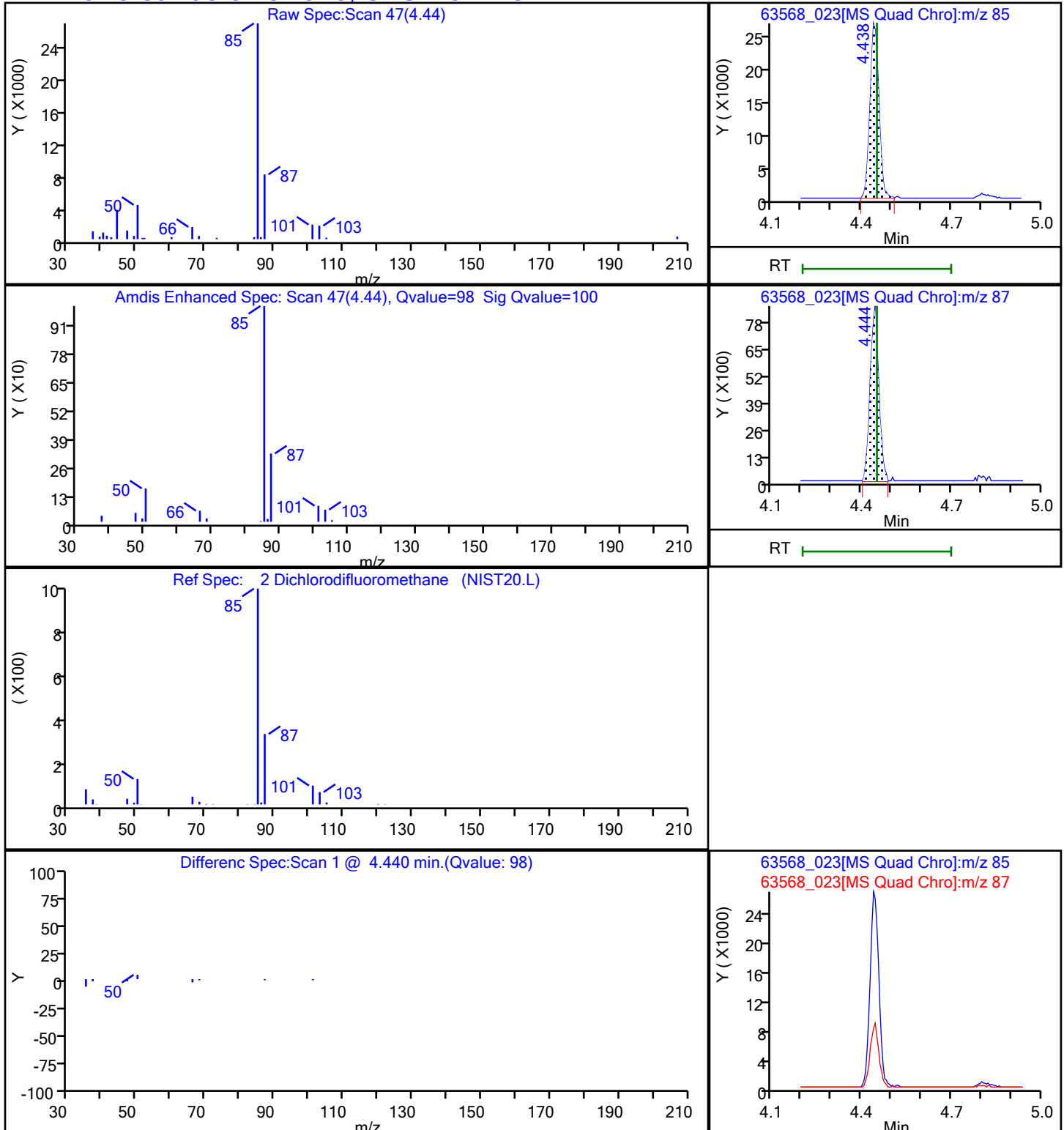
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

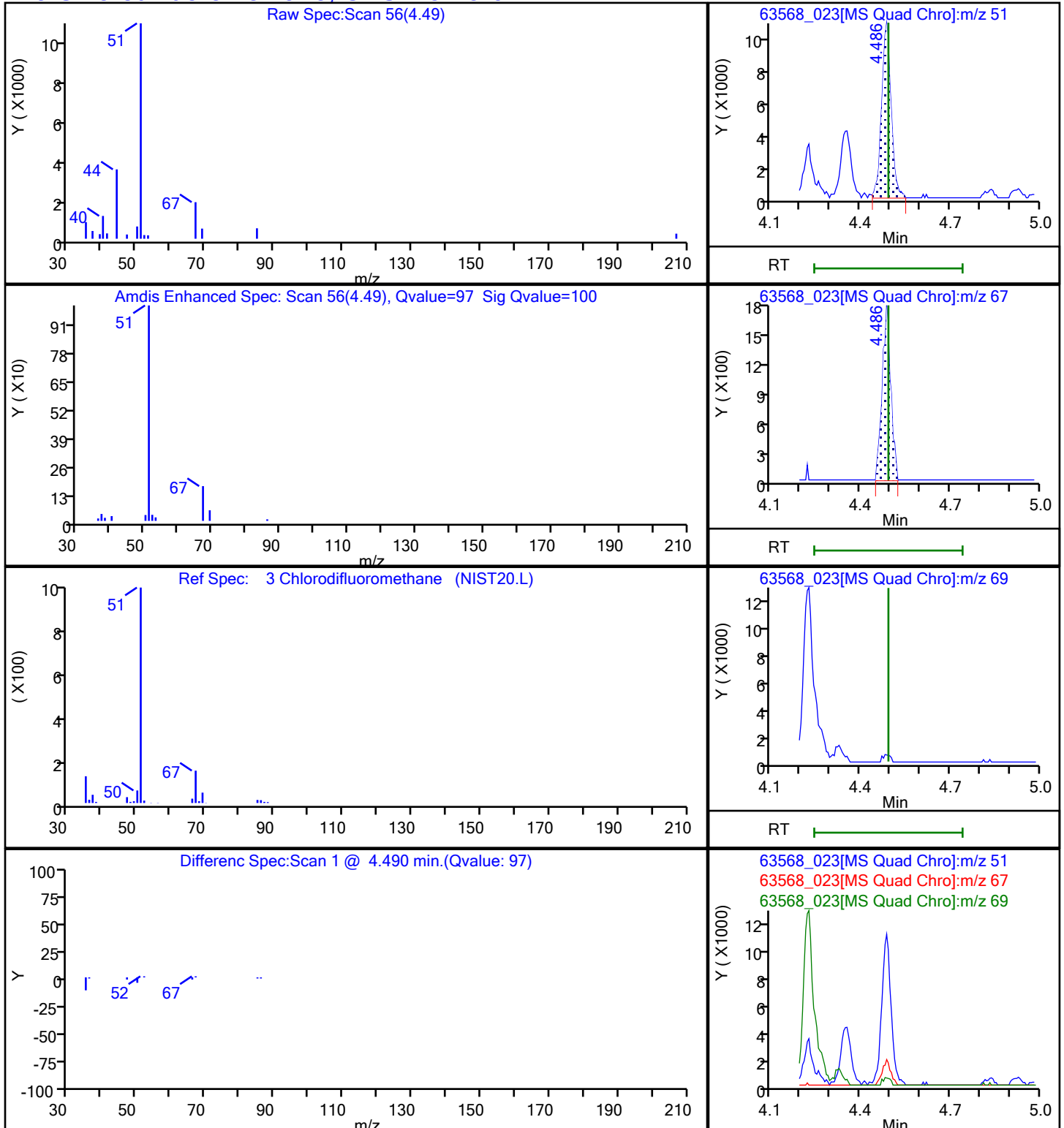
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

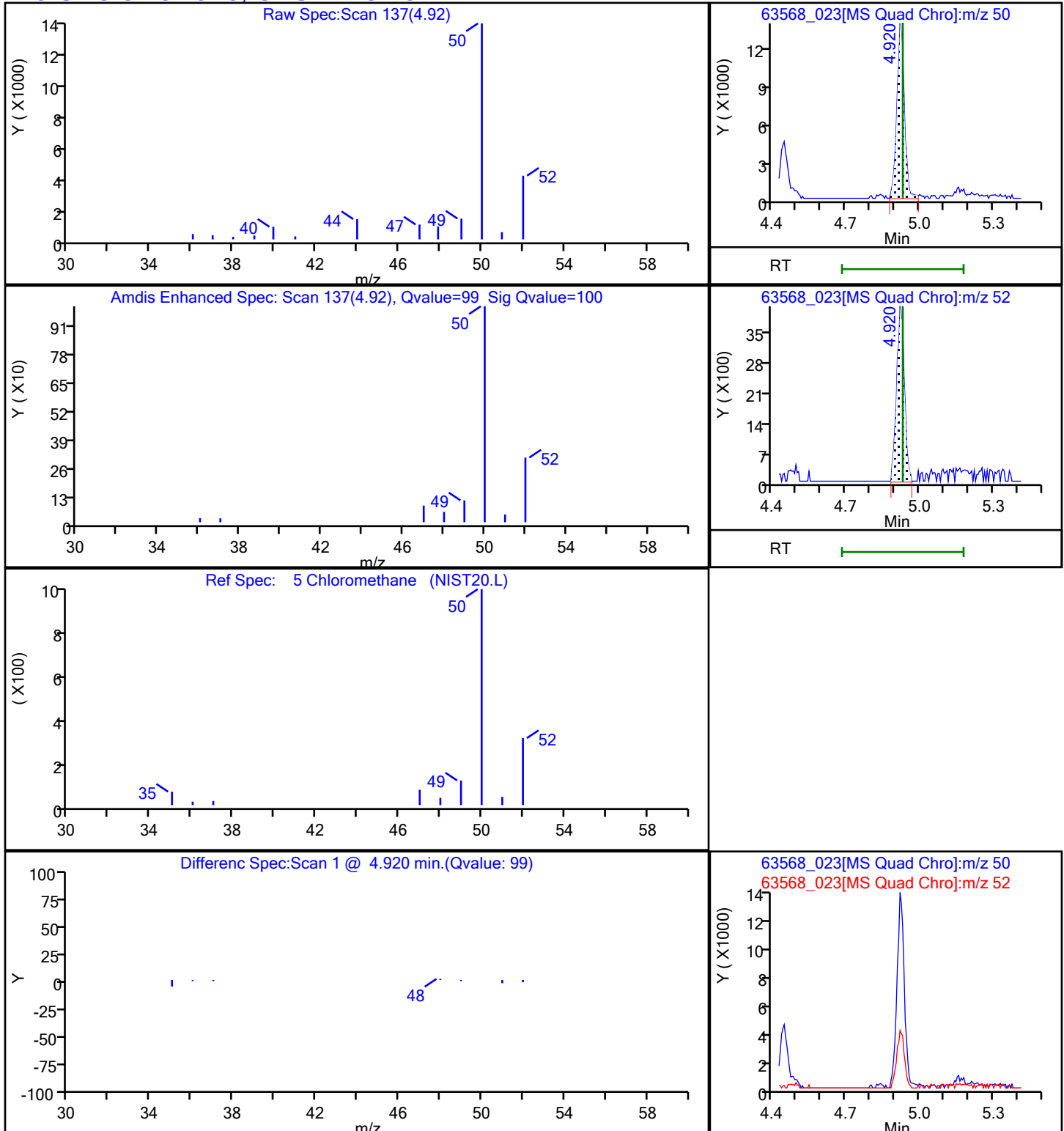
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

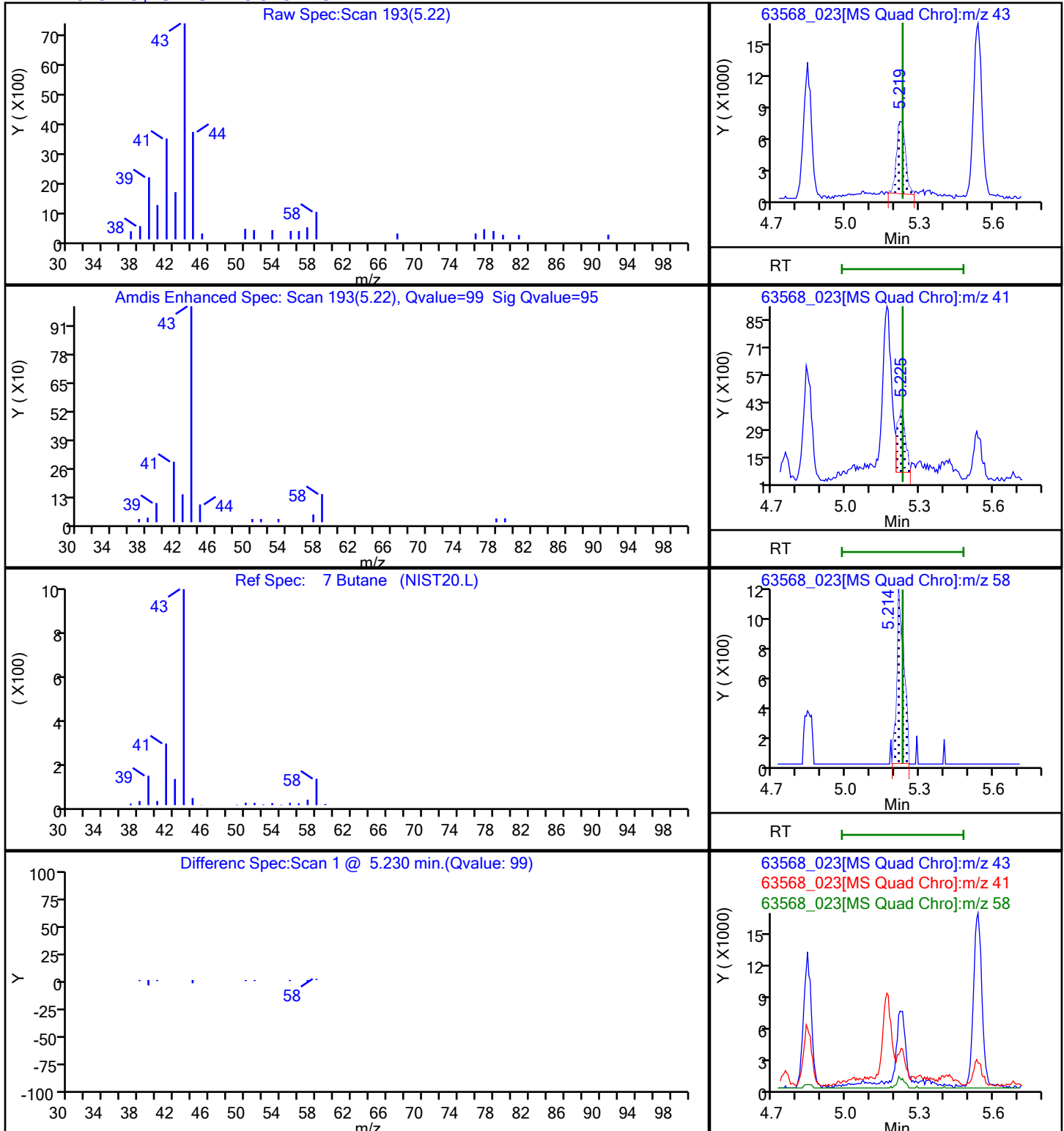
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

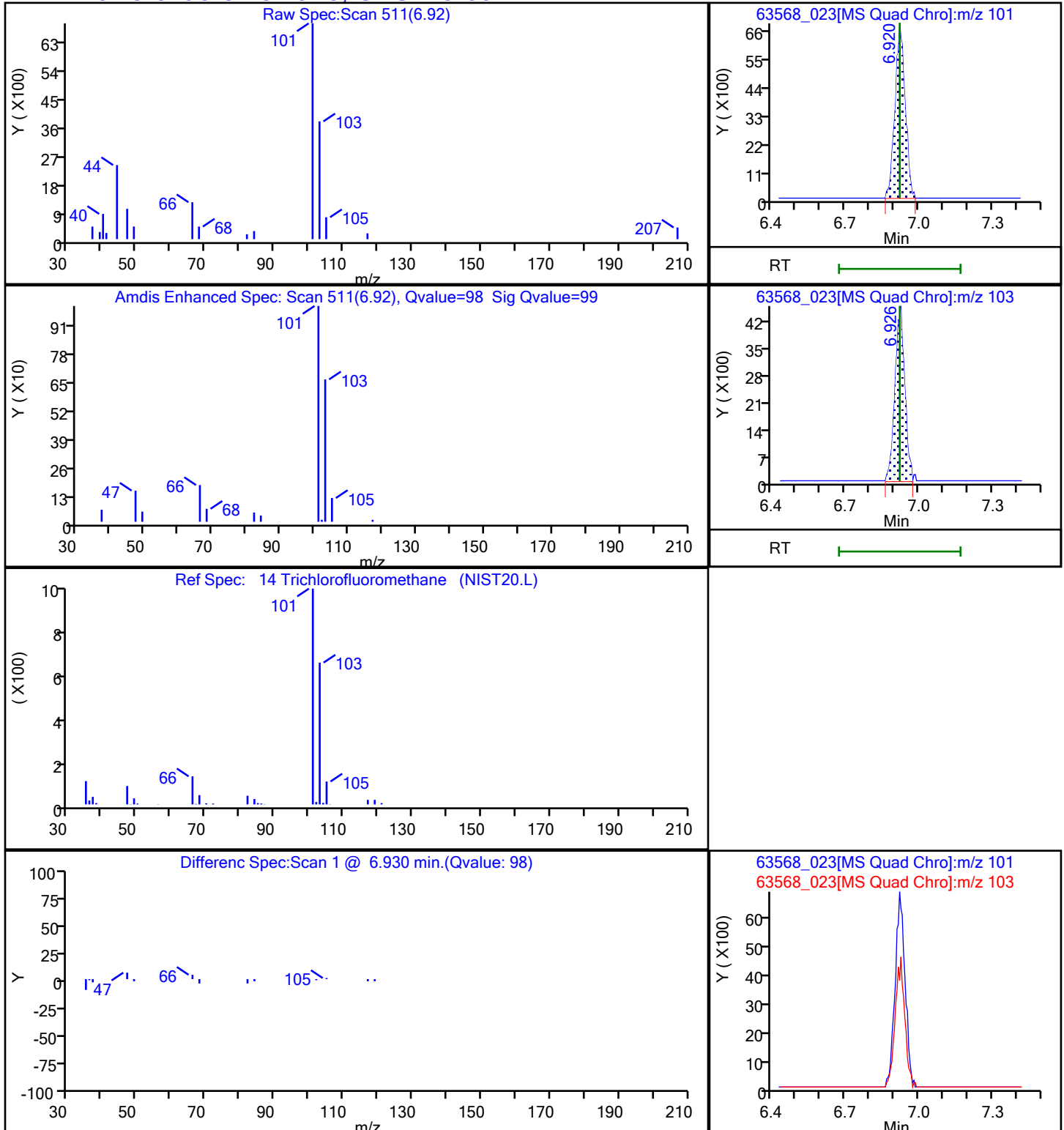
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

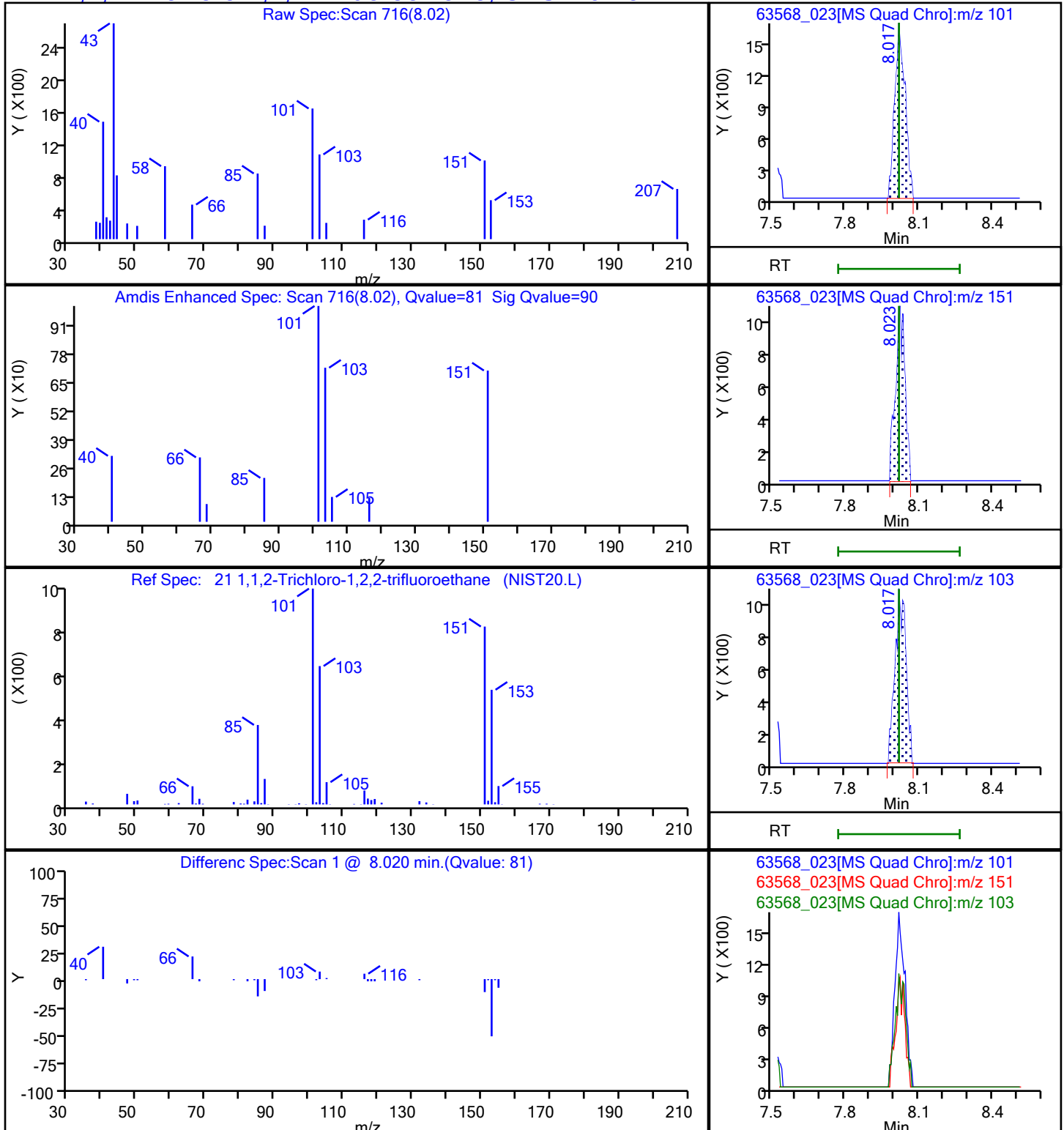
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

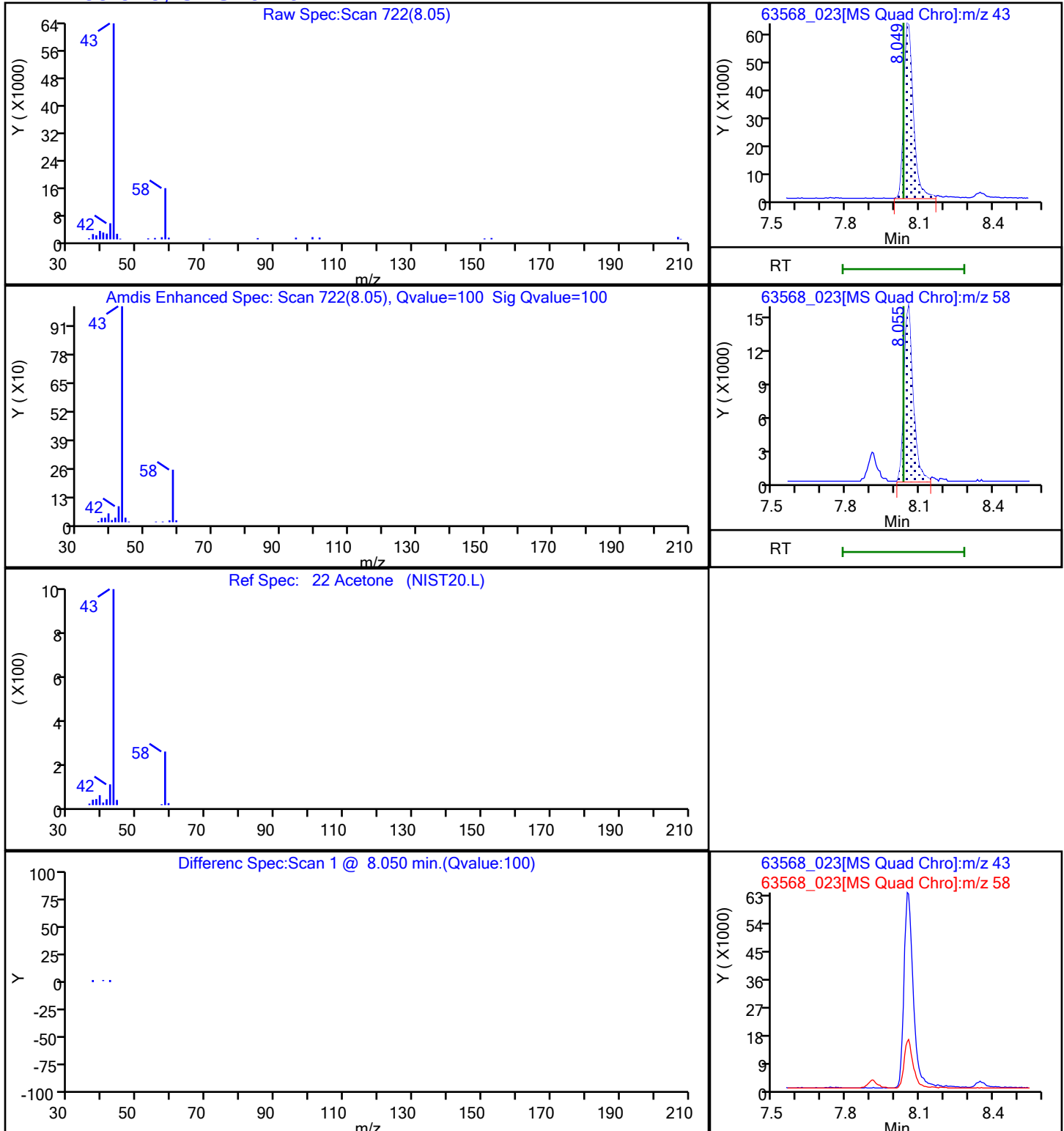
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

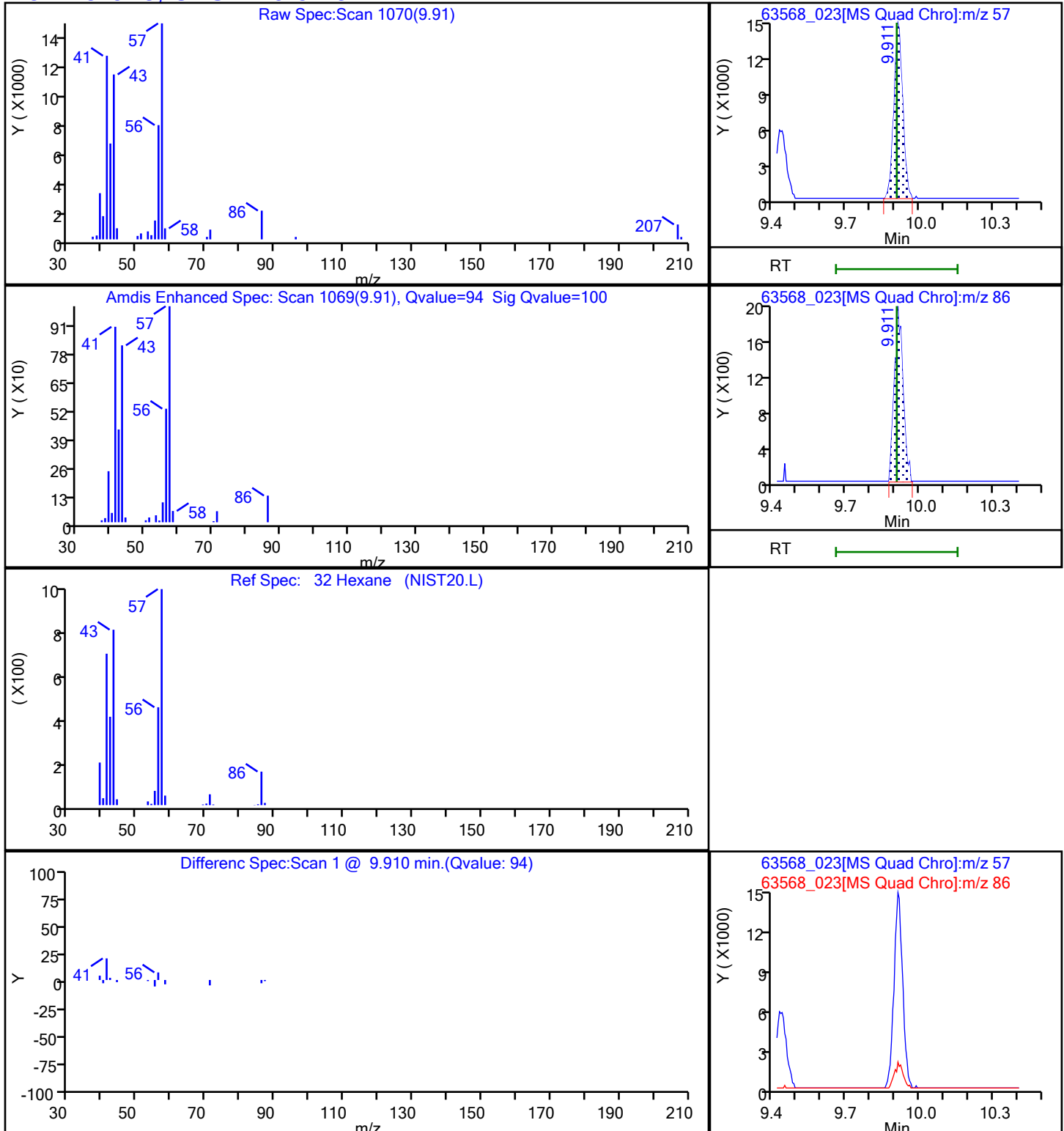
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

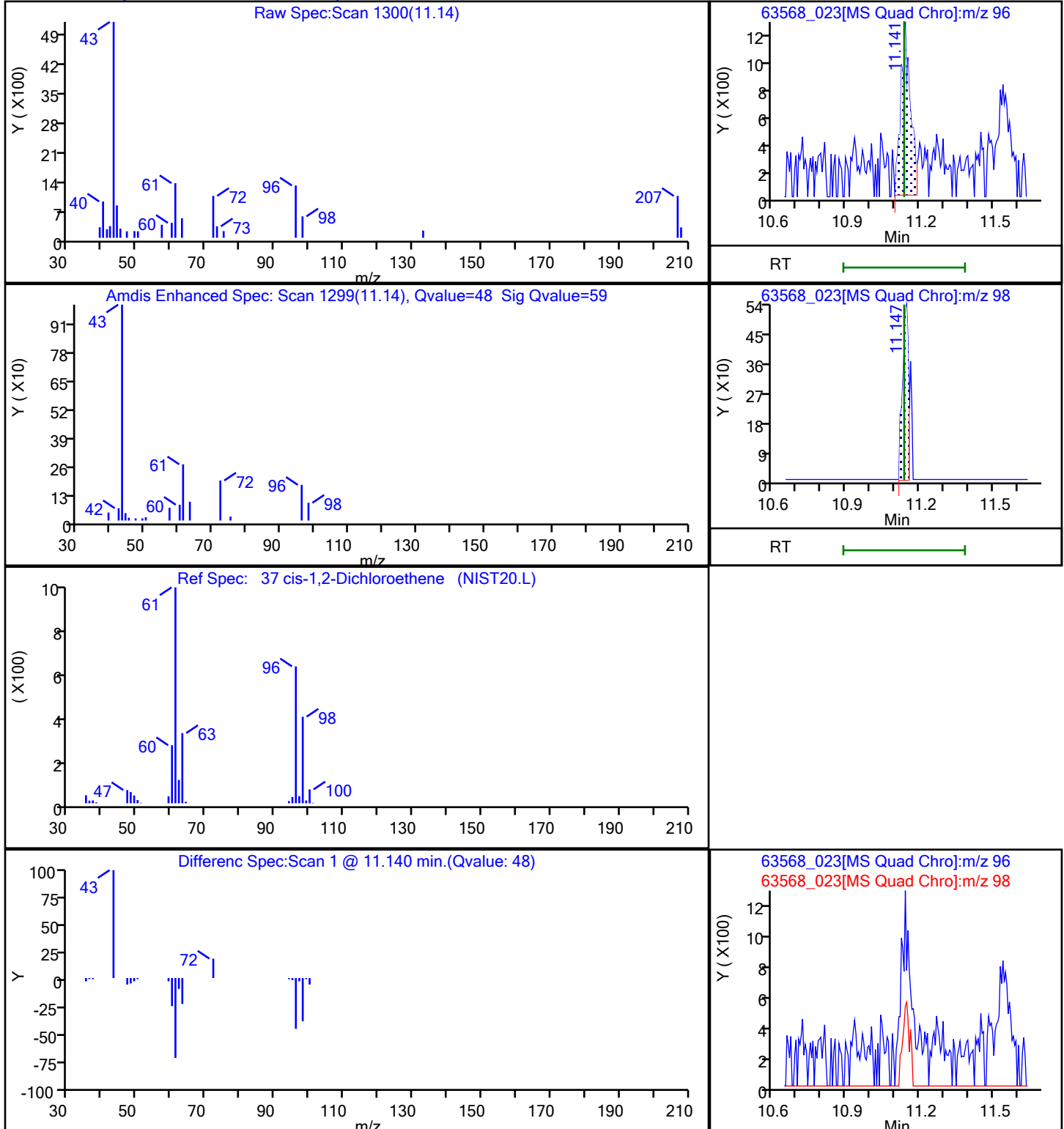
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Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

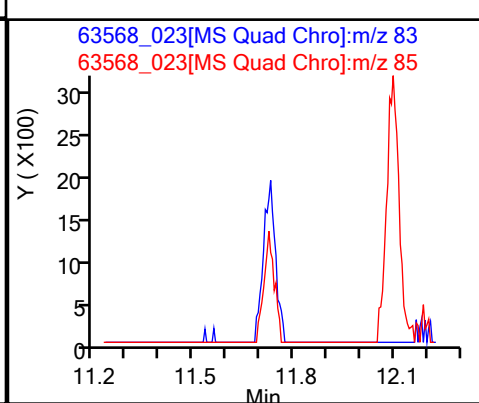
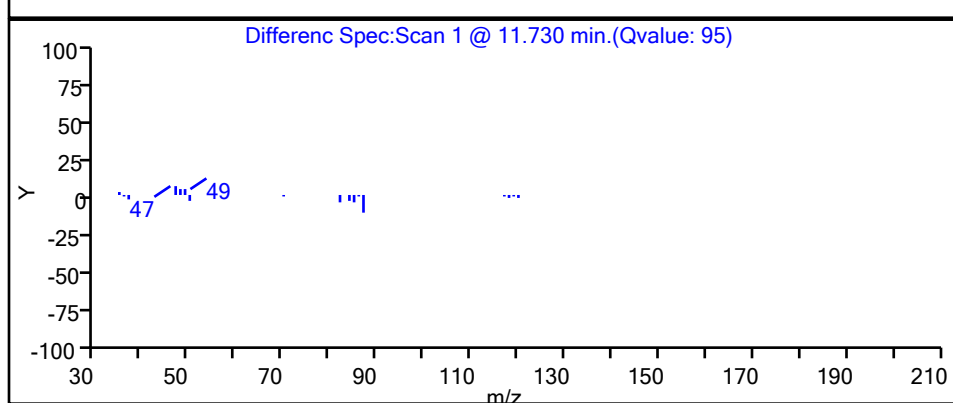
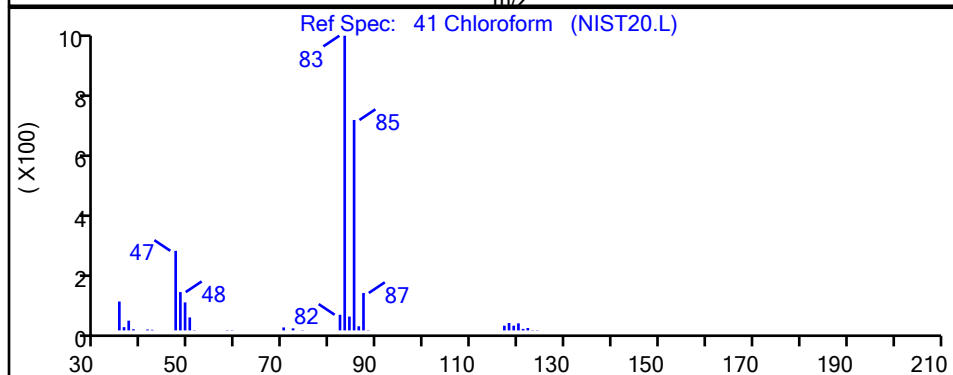
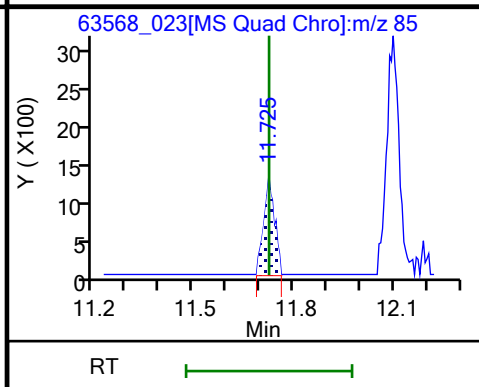
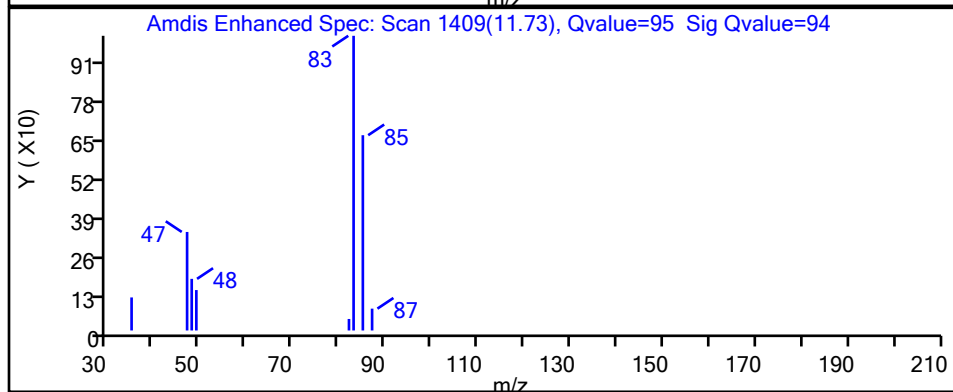
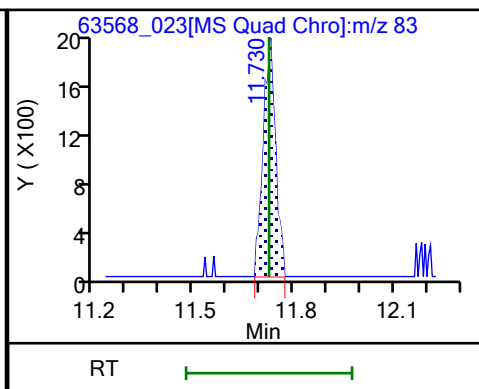
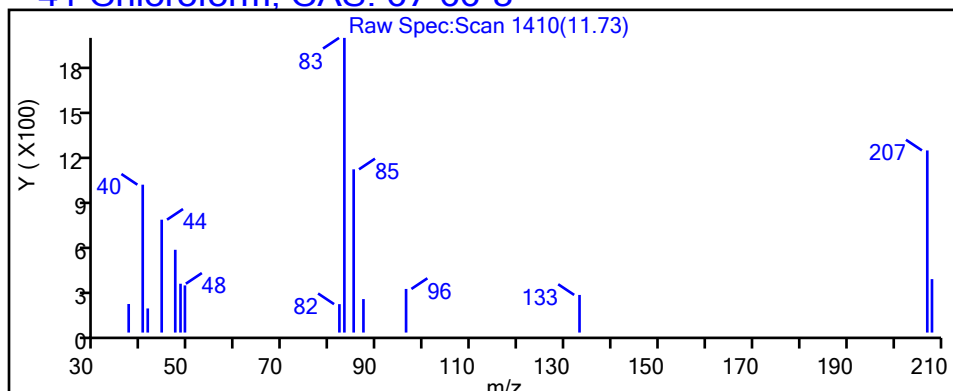
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

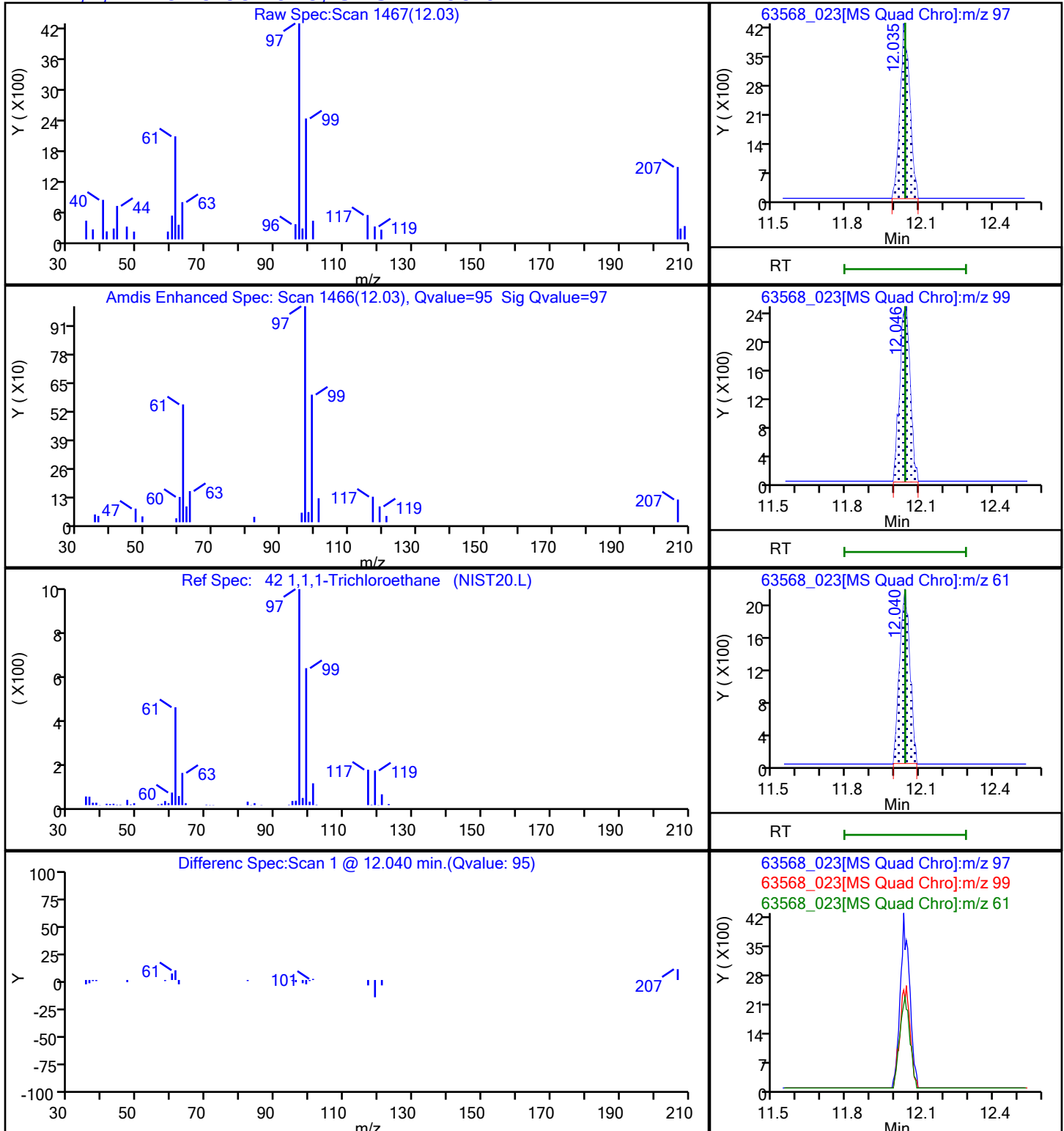
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

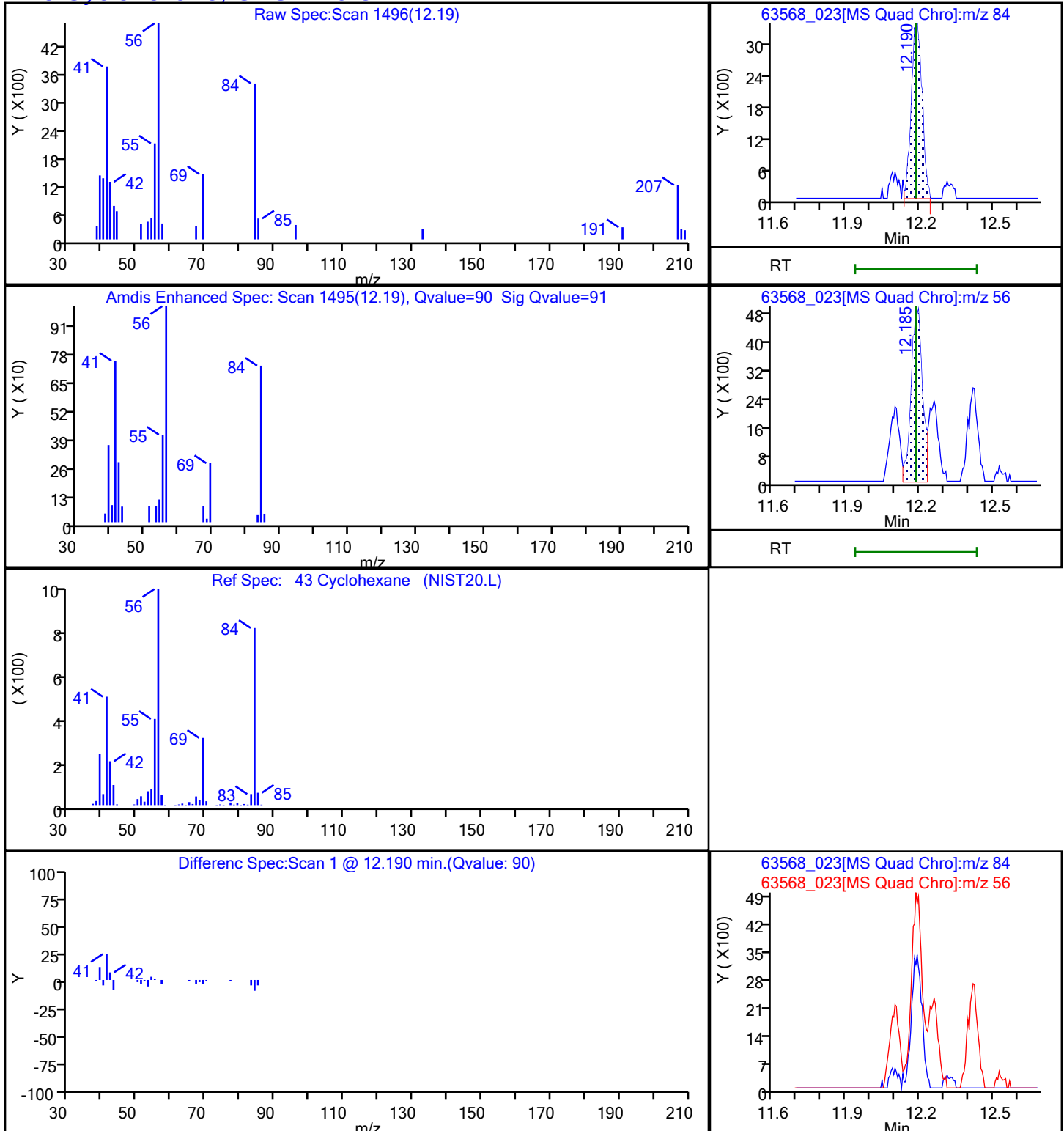
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

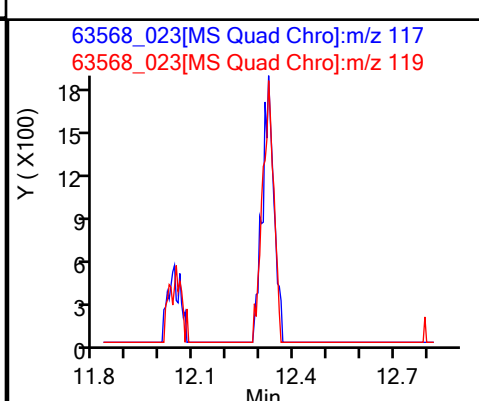
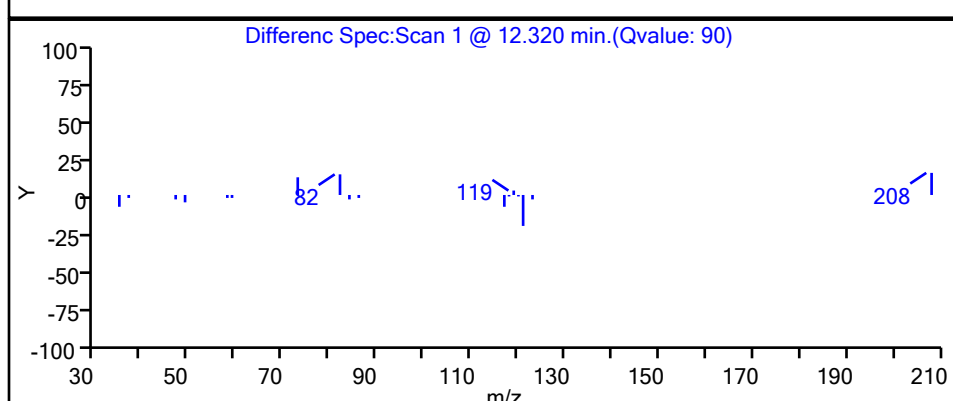
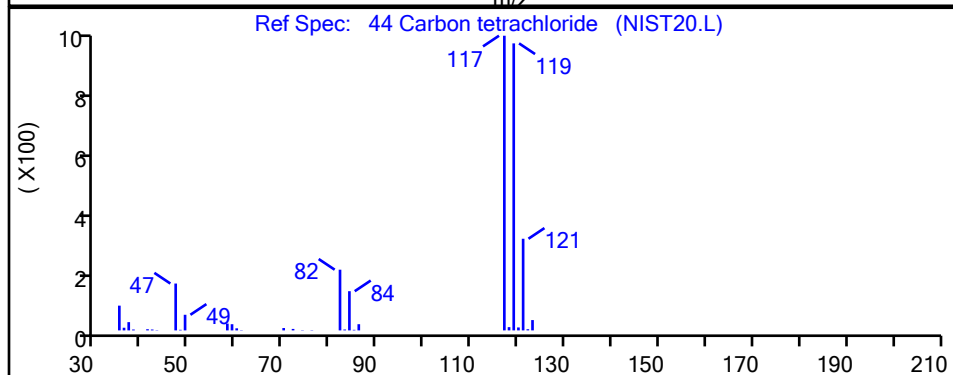
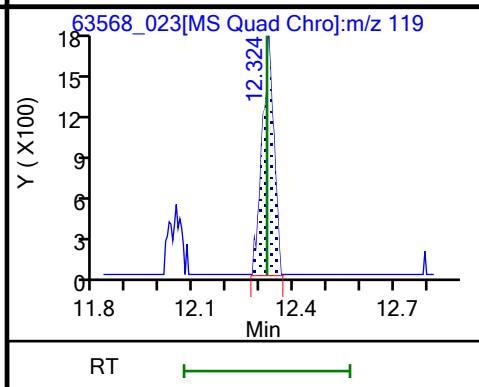
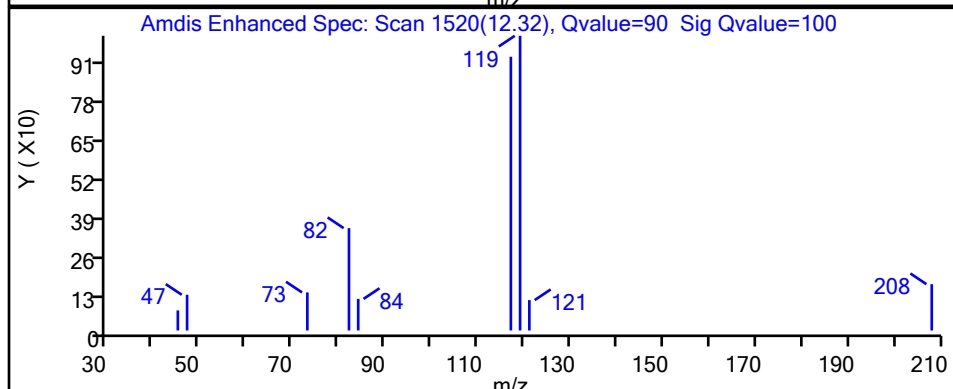
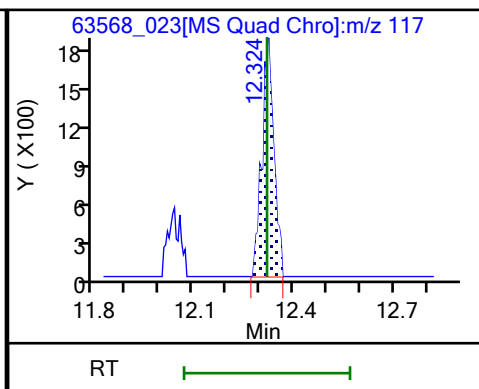
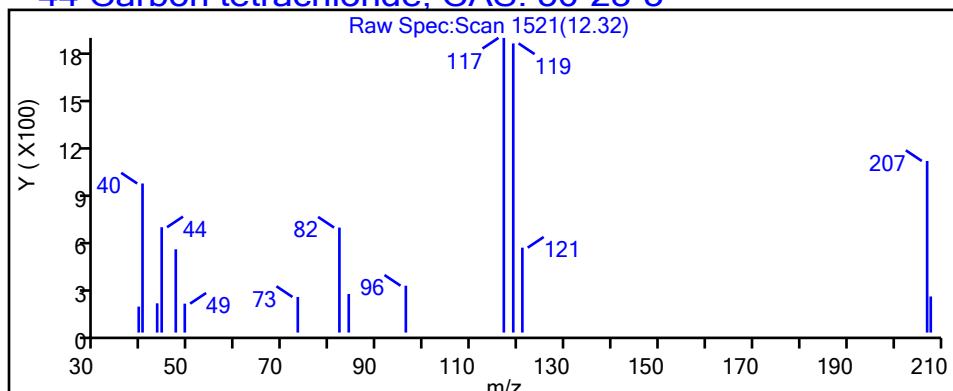
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

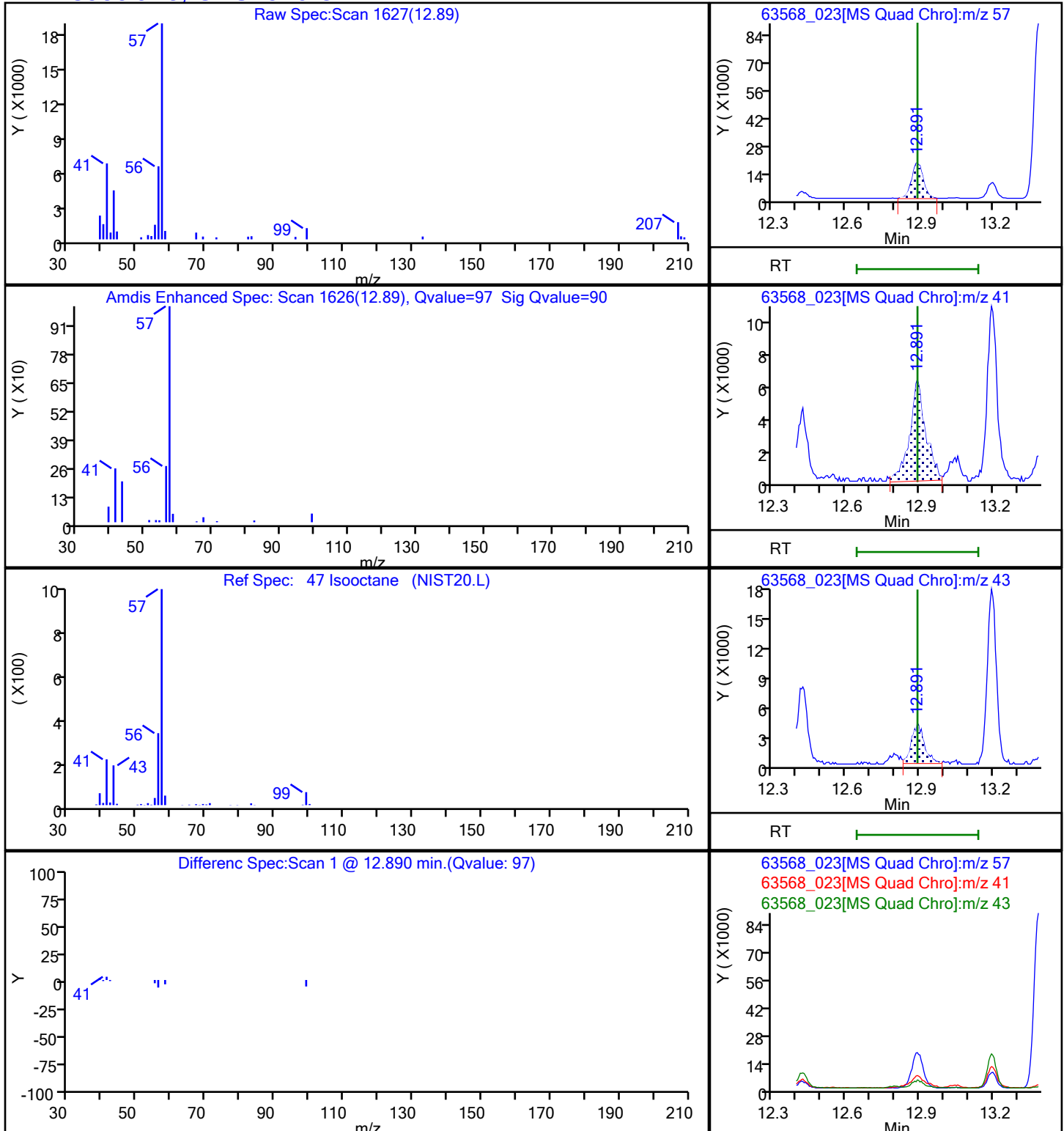
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

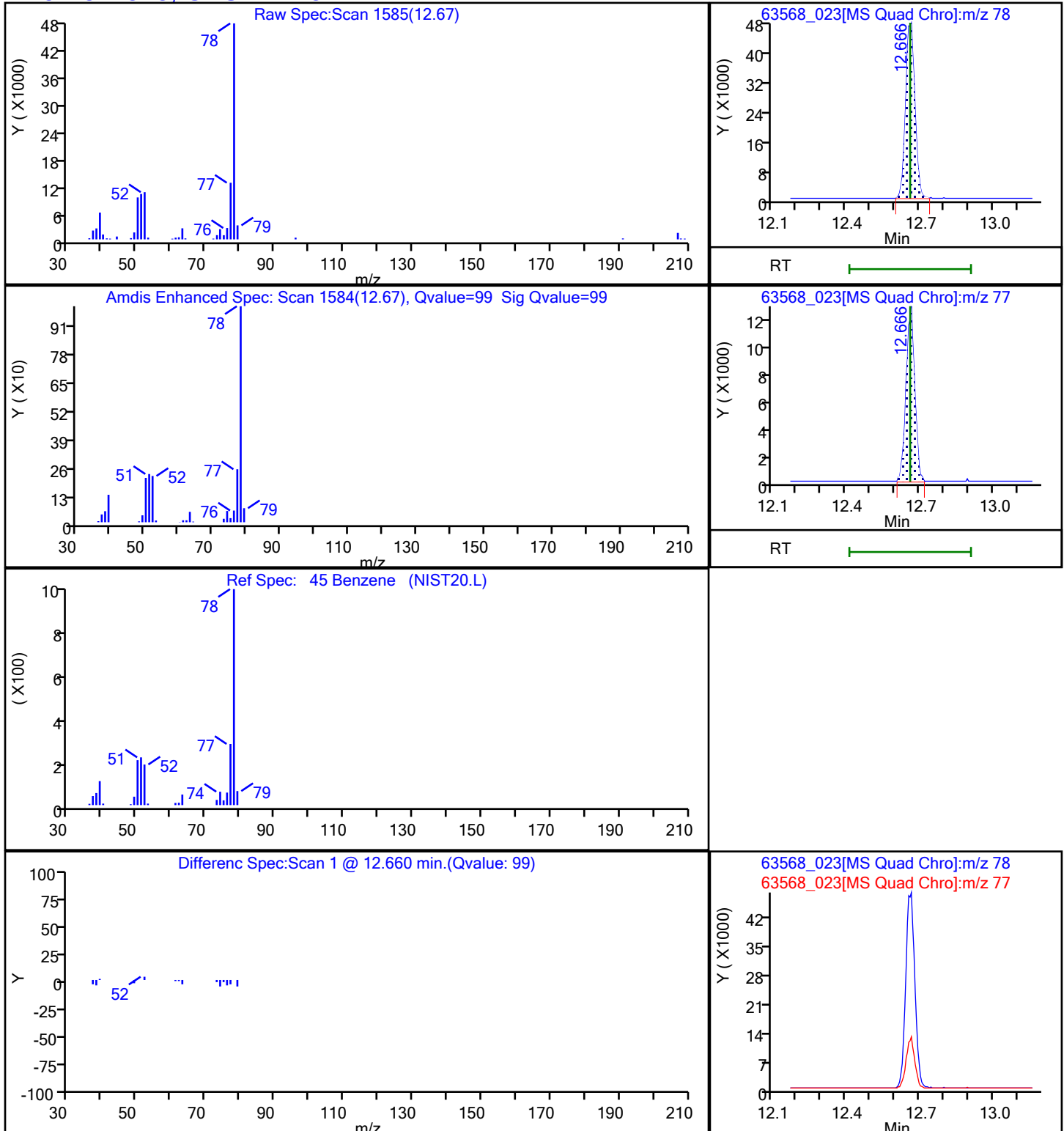
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

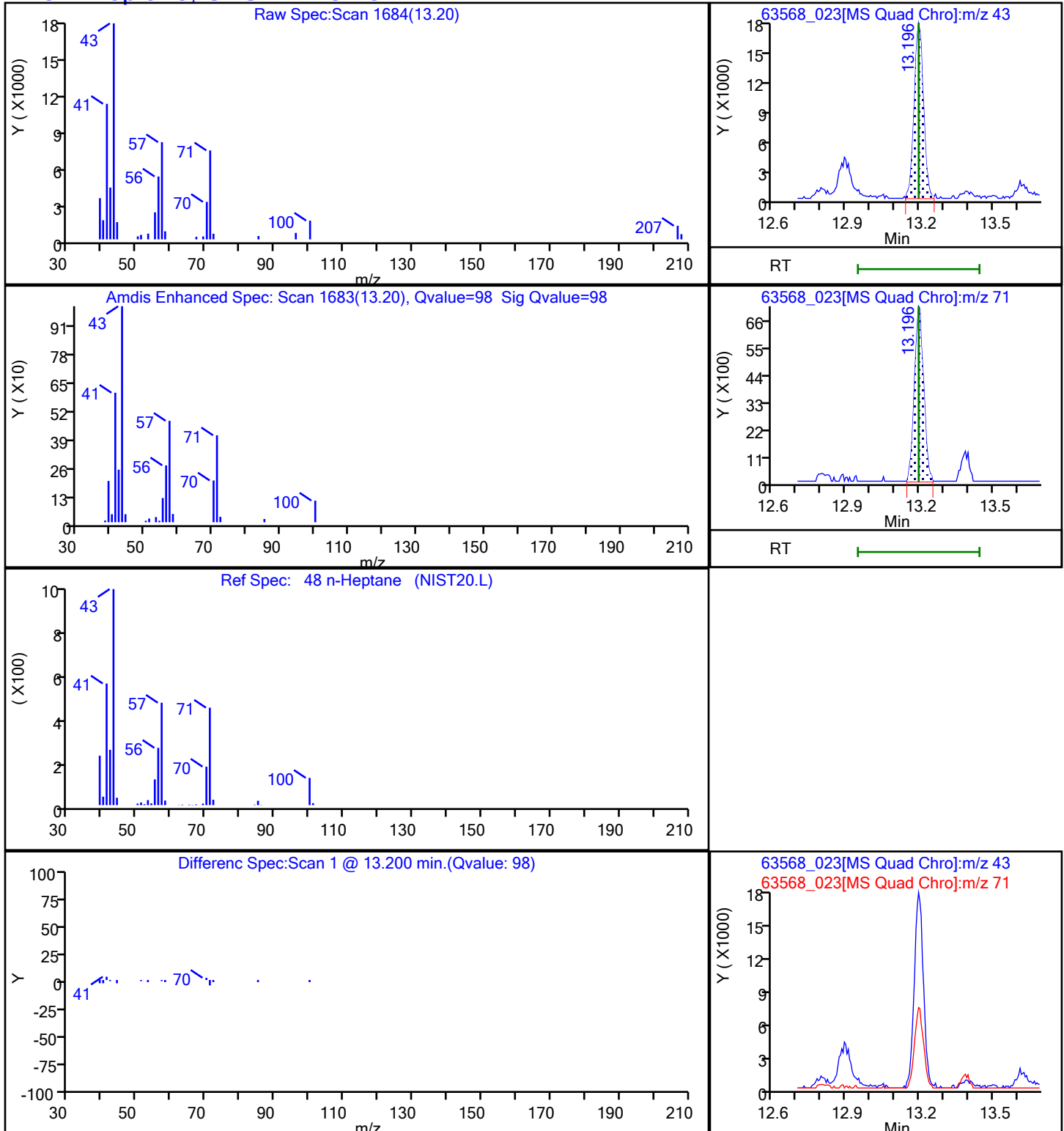
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

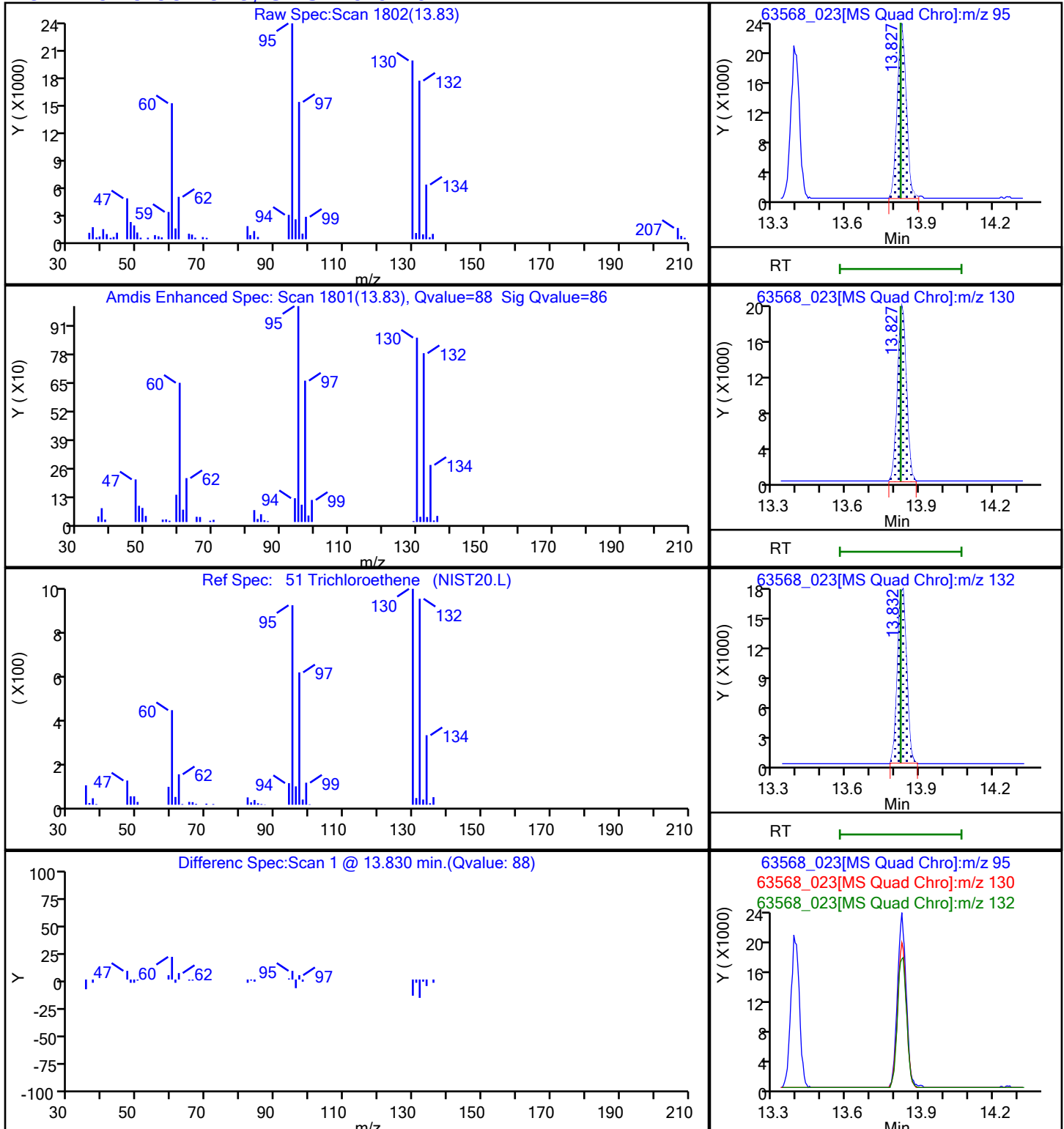
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

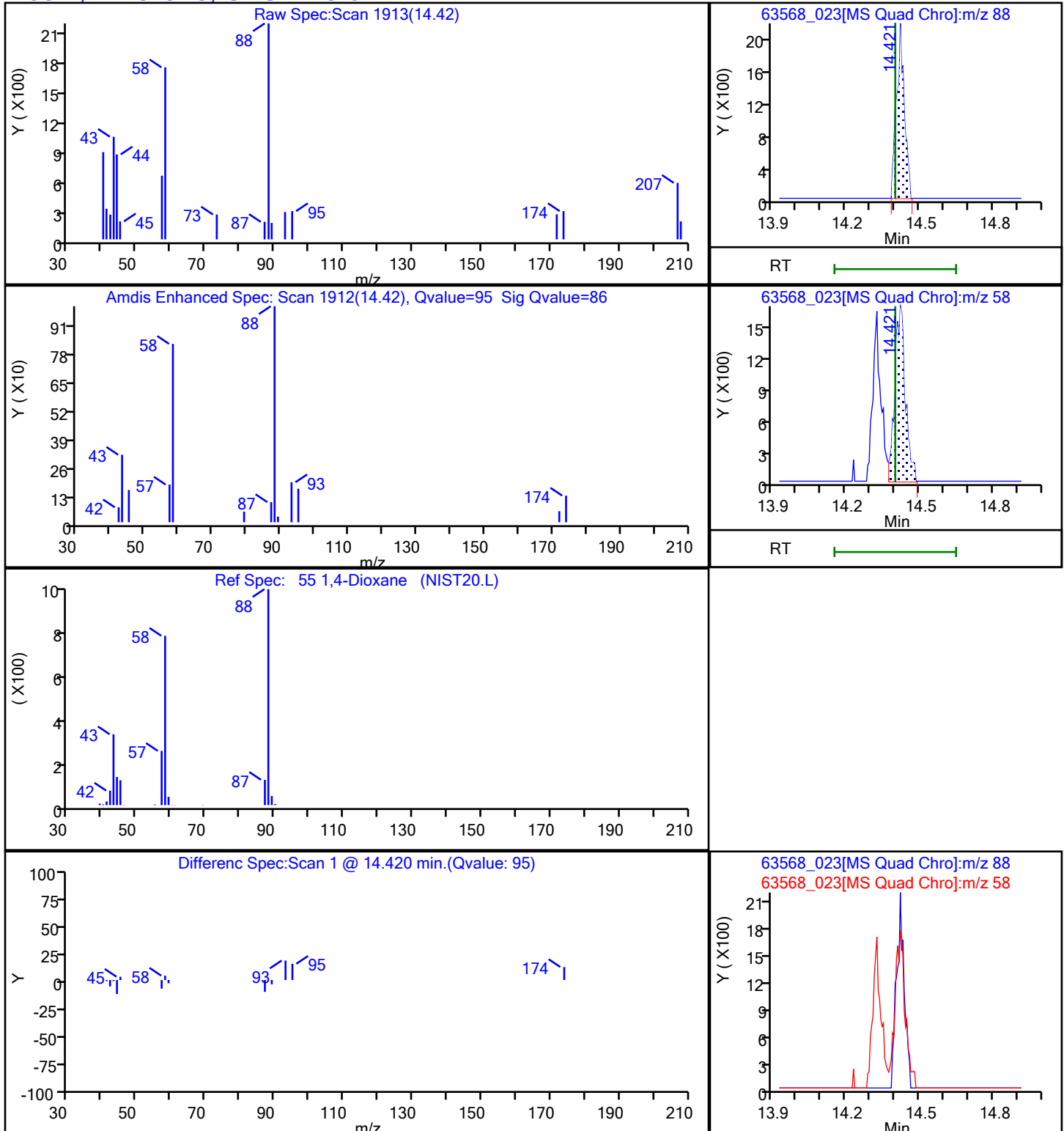
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

55 1,4-Dioxane, CAS: 123-91-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

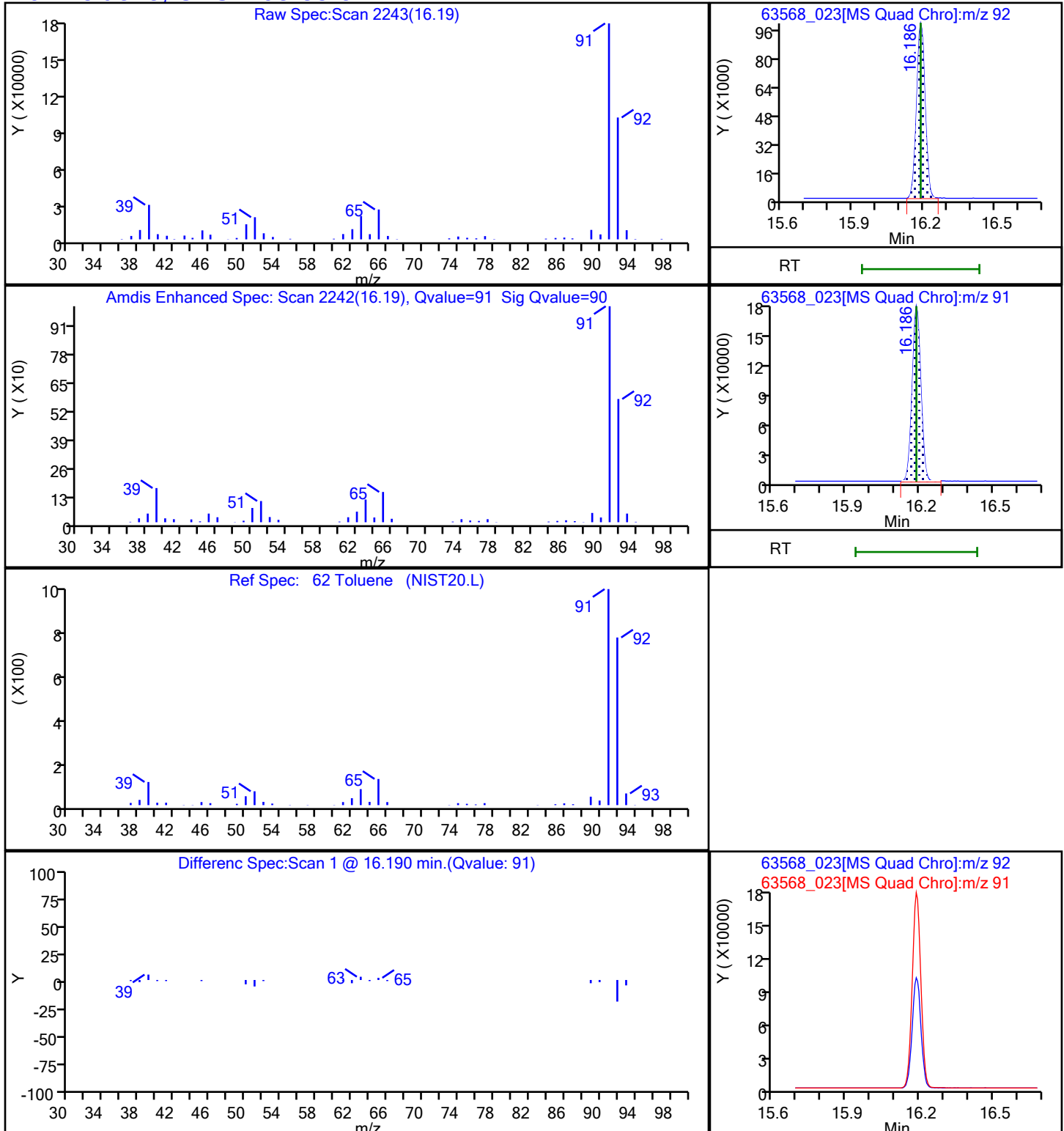
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

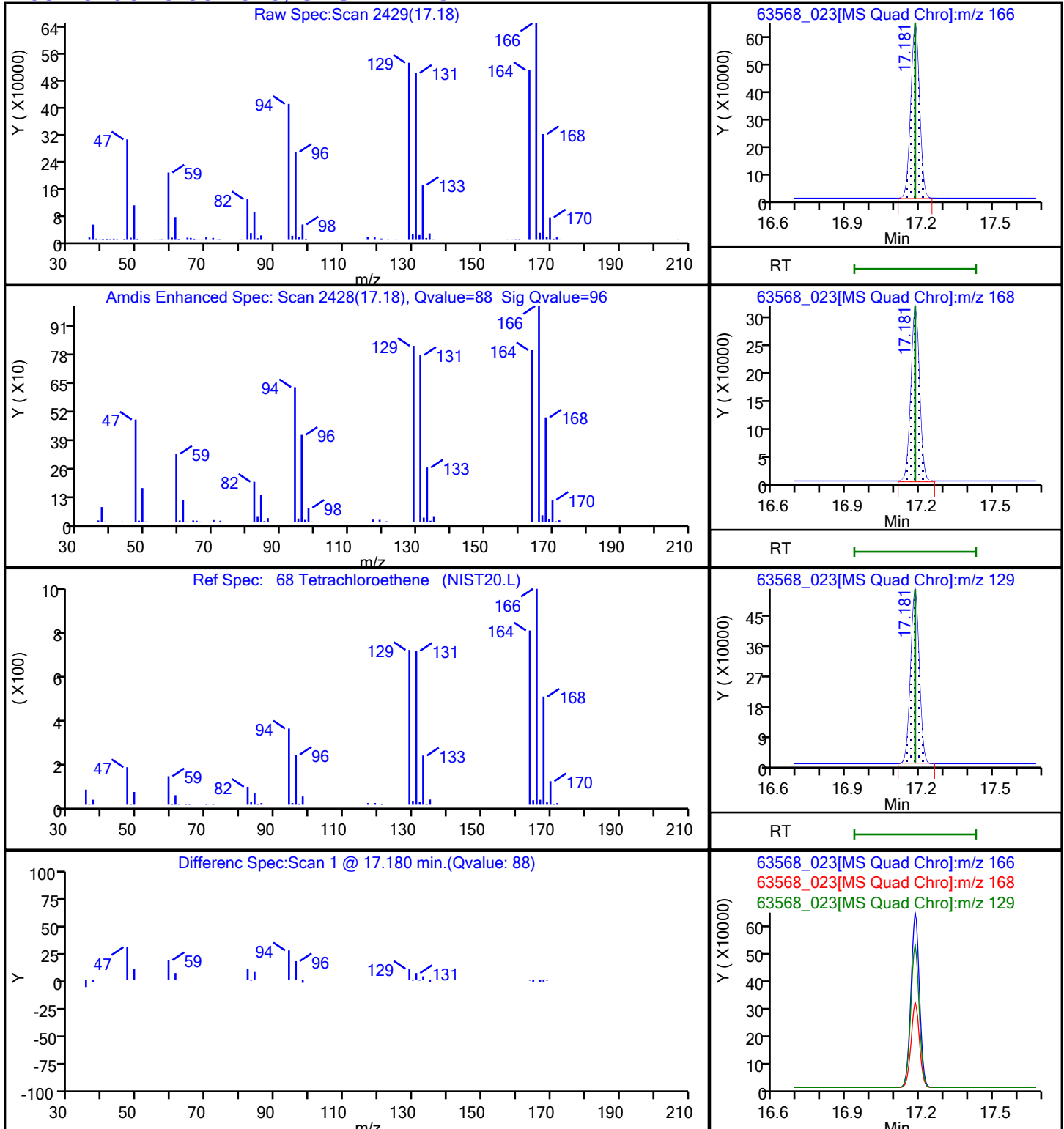
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

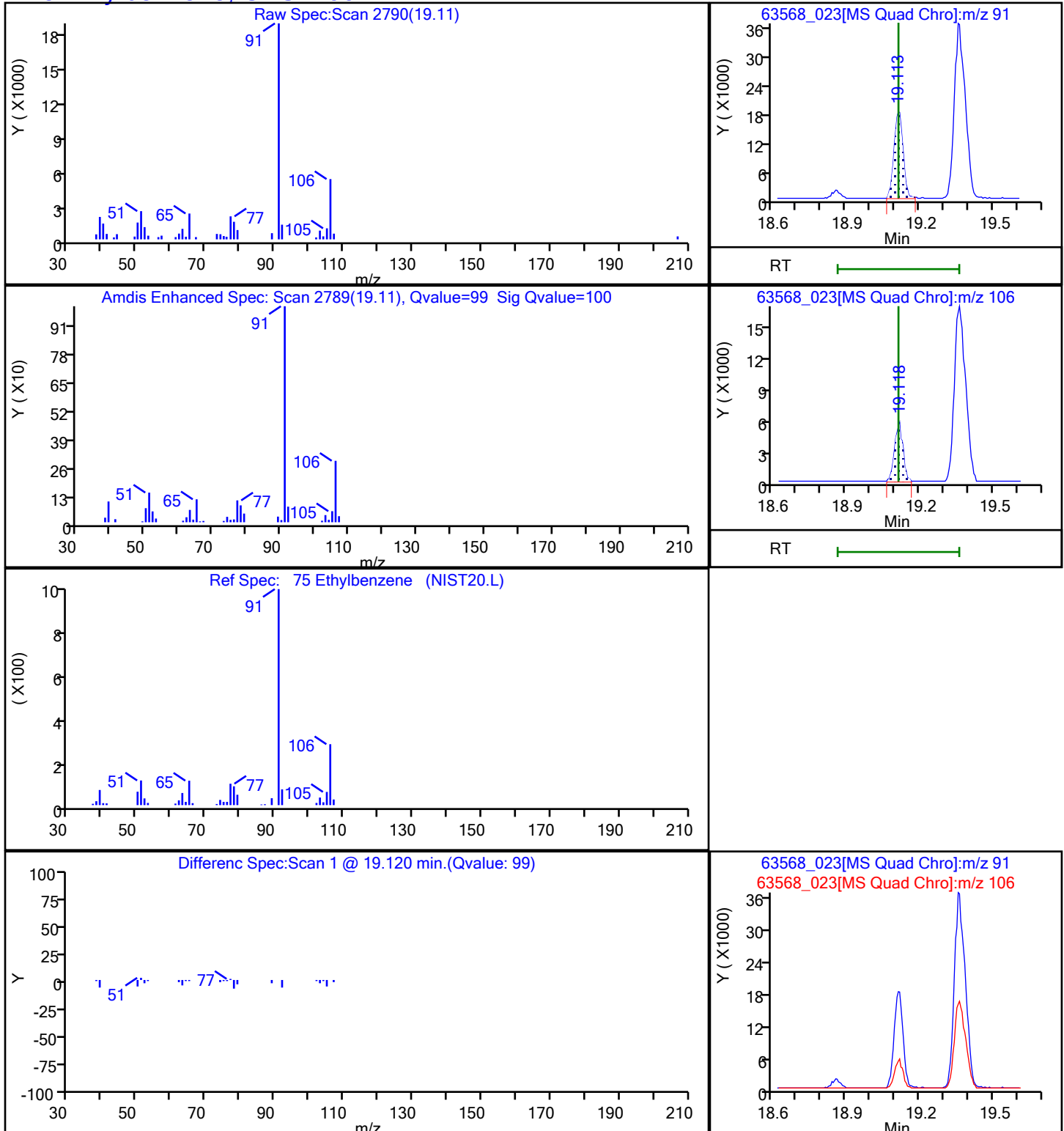
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

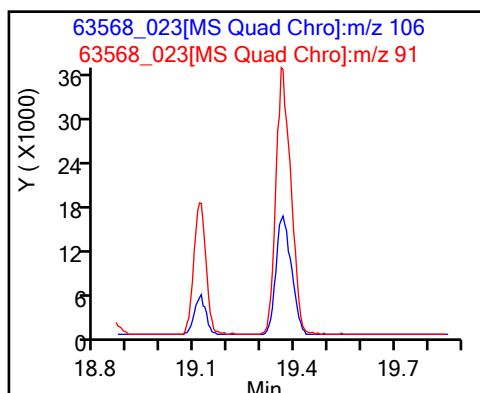
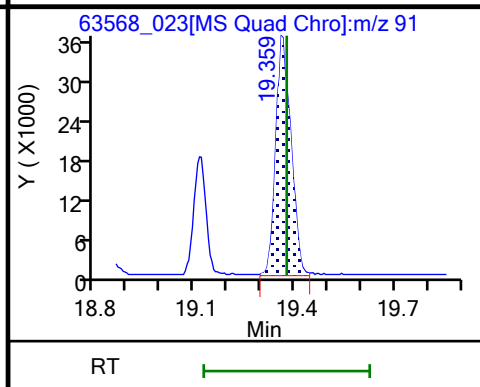
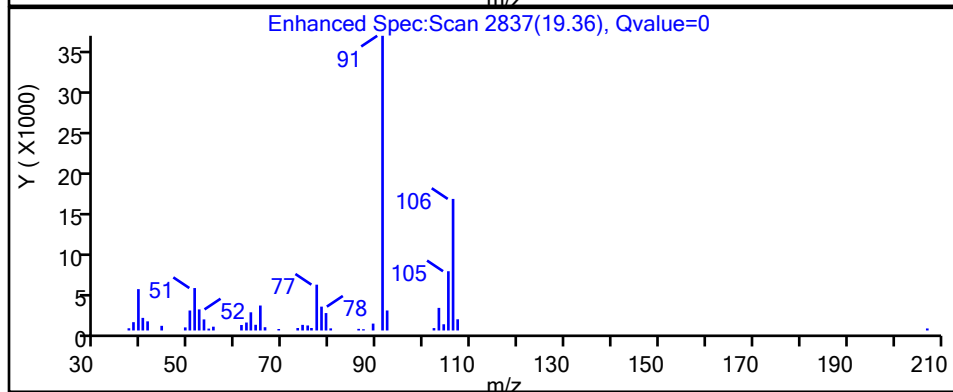
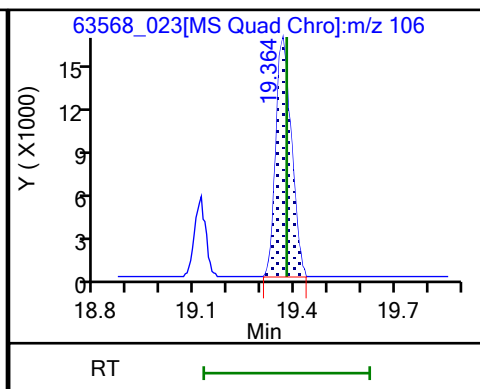
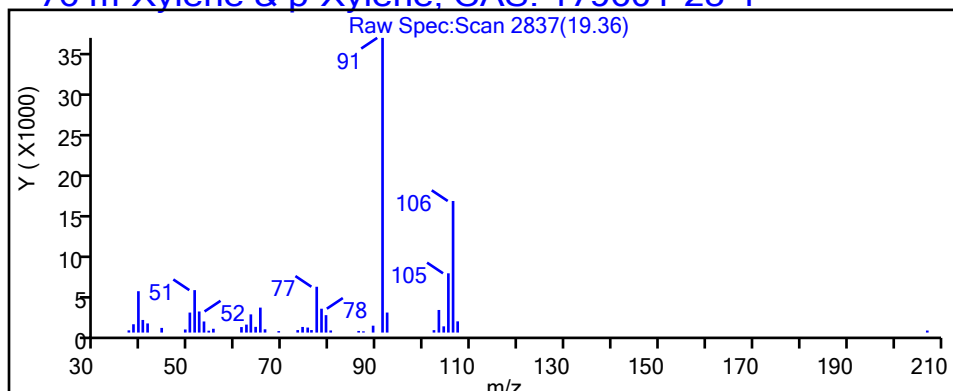
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 200.000 mL

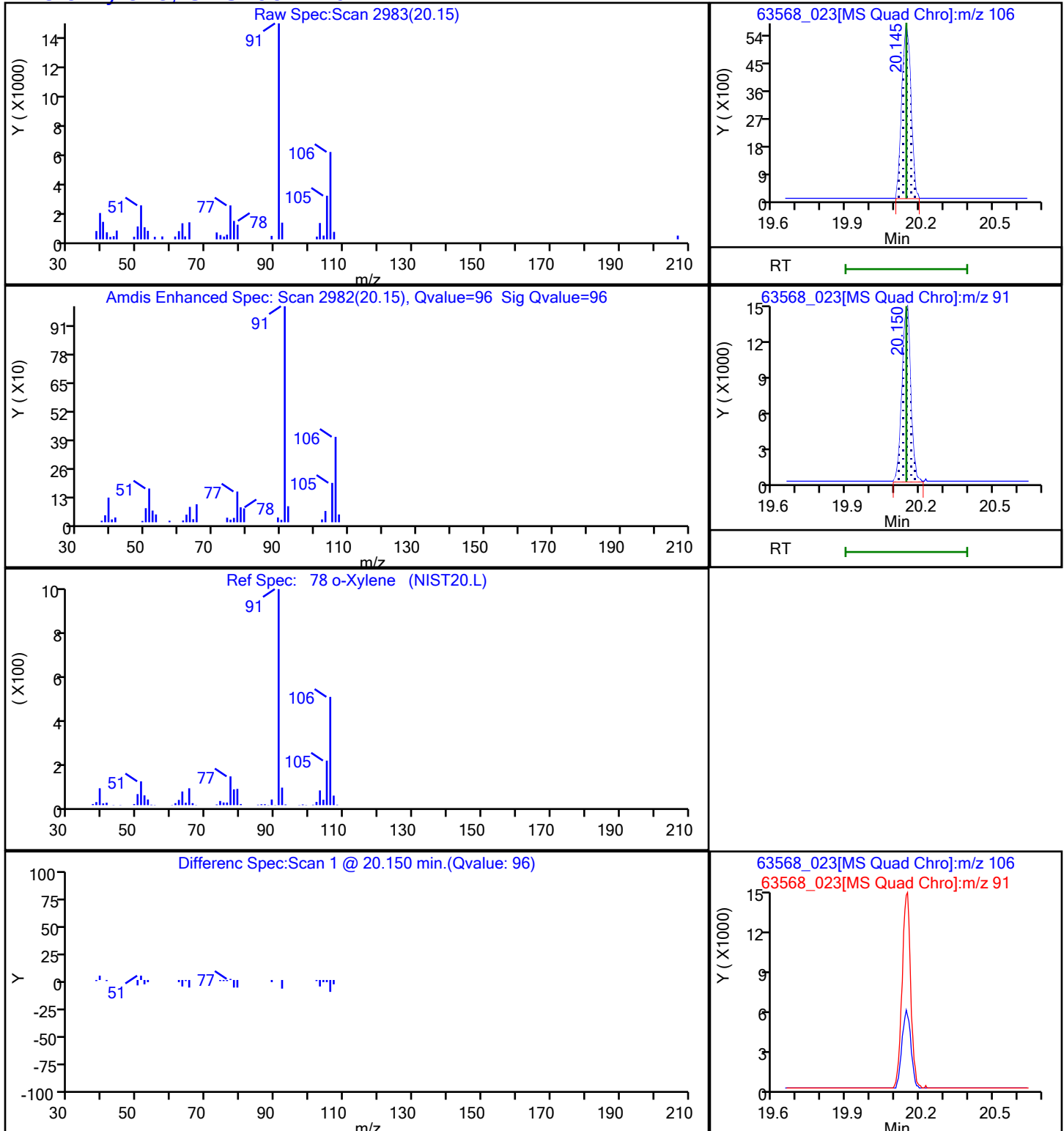
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 o-Xylene, CAS: 95-47-6

Eurofins Burlington

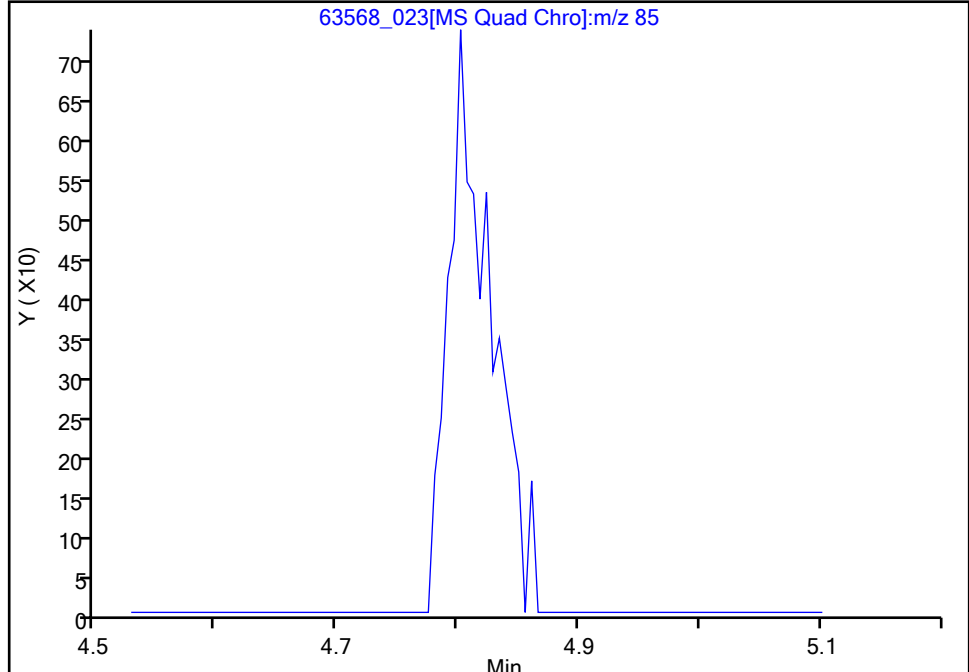
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D
Injection Date: 04-Jan-2025 02:12:31 Instrument ID: CHAN.i
Lims ID: 200-76392-A-3 Lab Sample ID: 200-76392-3
Client ID: SV122024KT003
Operator ID: wrd ALS Bottle#: 21 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoro, CAS: 76-14-2

Signal: 1

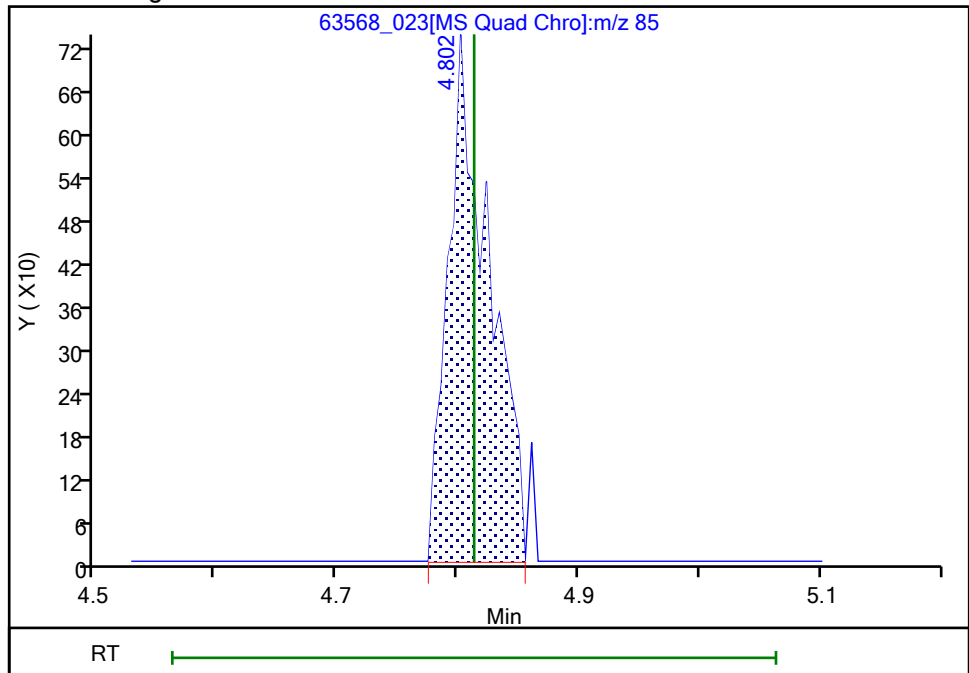
Not Detected
Expected RT: 4.81

Processing Integration Results



RT: 4.80
Area: 1717
Amount: 0.014006
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:08:55 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

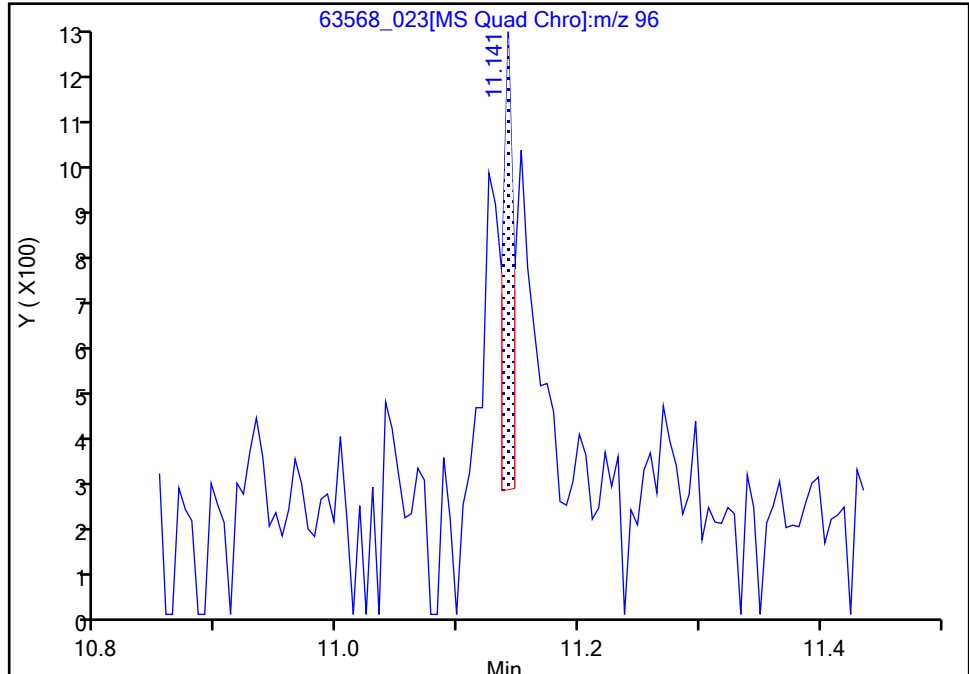
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D
Injection Date: 04-Jan-2025 02:12:31 Instrument ID: CHAN.i
Lims ID: 200-76392-A-3 Lab Sample ID: 200-76392-3
Client ID: SV122024KT003
Operator ID: wrd ALS Bottle#: 21 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
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

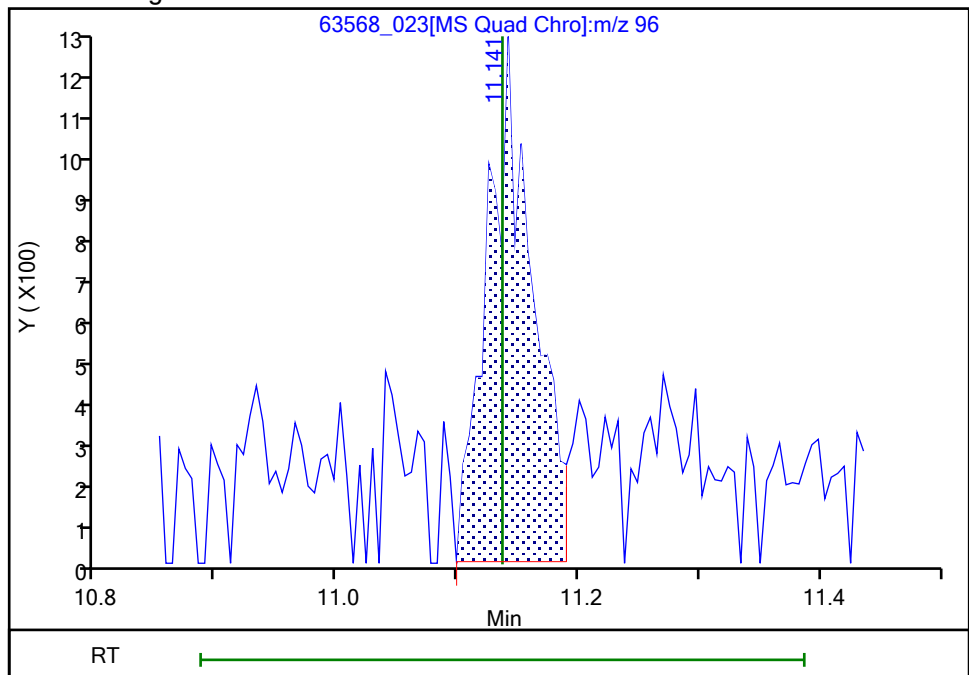
RT: 11.14
Area: 616
Amount: 0.012990
Amount Units: ppb v/v

Processing Integration Results



RT: 11.14
Area: 3251
Amount: 0.068556
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:09:25 07:00:00 (UTC)

Audit Action: Manually Integrated

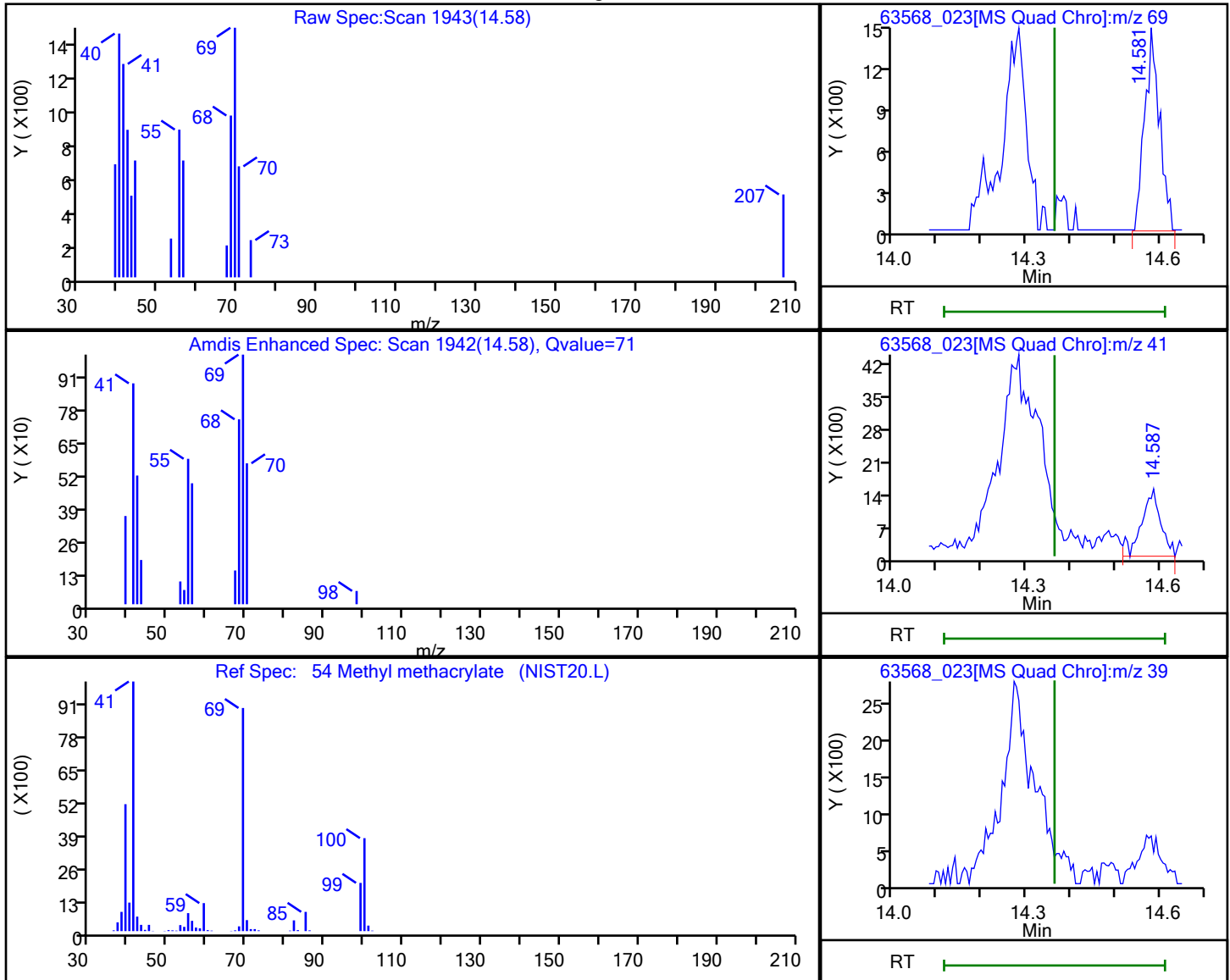
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D
Injection Date: 04-Jan-2025 02:12:31 Instrument ID: CHAN.i
Lims ID: 200-76392-A-3 Lab Sample ID: 200-76392-3
Client ID: SV122024KT003
Operator ID: wrd ALS Bottle#: 21 Worklist Smp#: 23
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

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.58	69.00	3372	0.062924
14.59	41.00	4438	
14.36	39.00	0	

Reviewer: YWL8, 05-Jan-2025 21:10:04 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

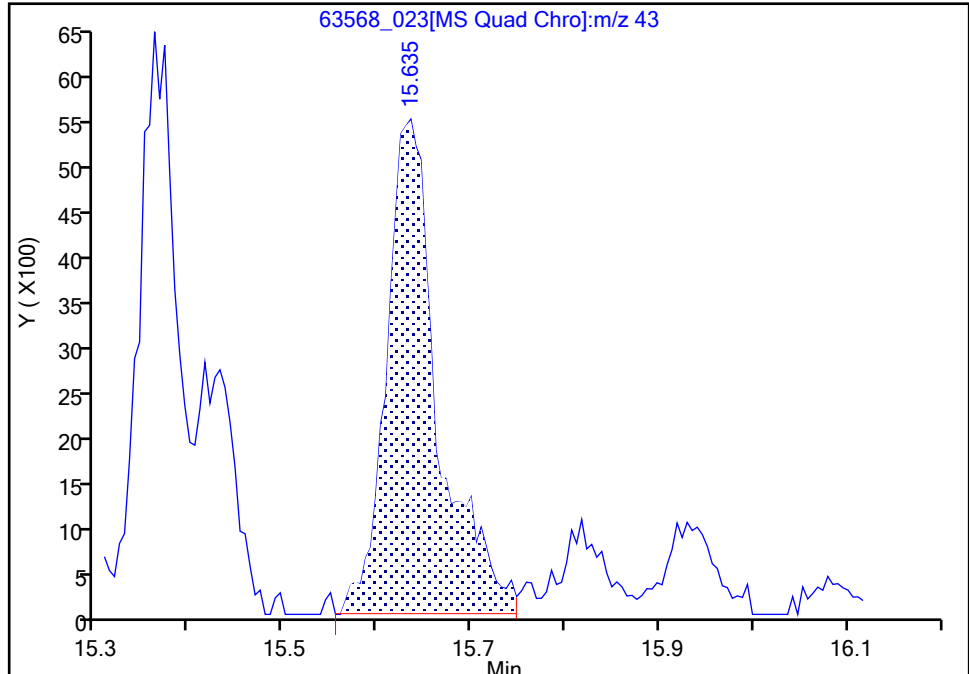
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D
Injection Date: 04-Jan-2025 02:12:31 Instrument ID: CHAN.i
Lims ID: 200-76392-A-3 Lab Sample ID: 200-76392-3
Client ID: SV122024KT003
Operator ID: wrd ALS Bottle#: 21 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

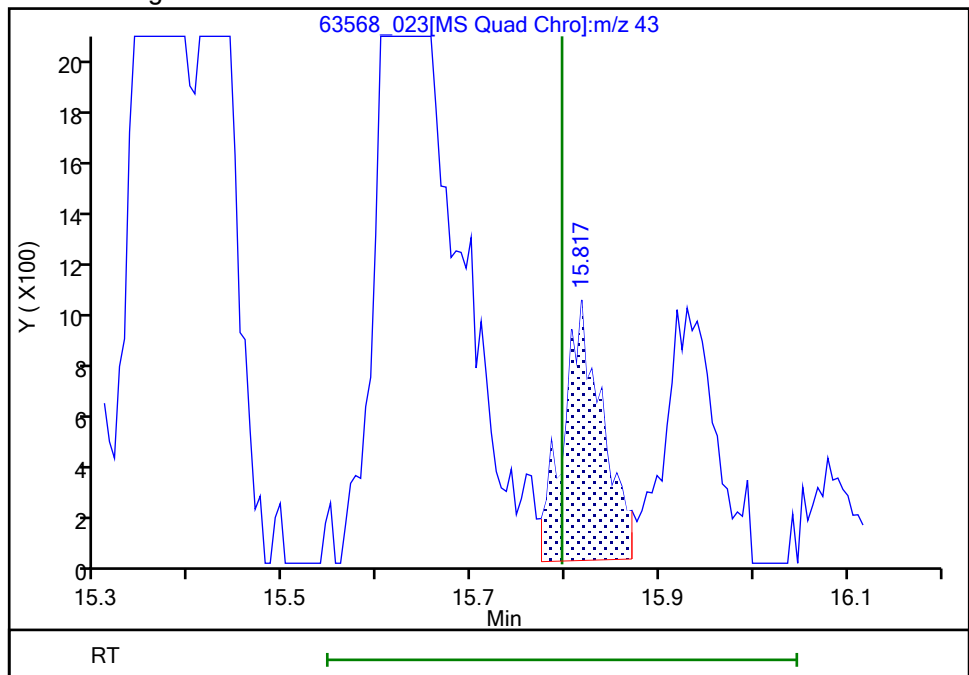
RT: 15.64
Area: 20938
Amount: 0.149850
Amount Units: ppb v/v

Processing Integration Results



RT: 15.82
Area: 3011
Amount: 0.021549
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 21:10:22 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_023.D

Injection Date: 04-Jan-2025 02:12:31

Instrument ID: CHAN.i

Lims ID: 200-76392-A-3

Lab Sample ID: 200-76392-3

Client ID: SV122024KT003

Operator ID: wrd

ALS Bottle#:

21

Worklist Smp#: 23

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

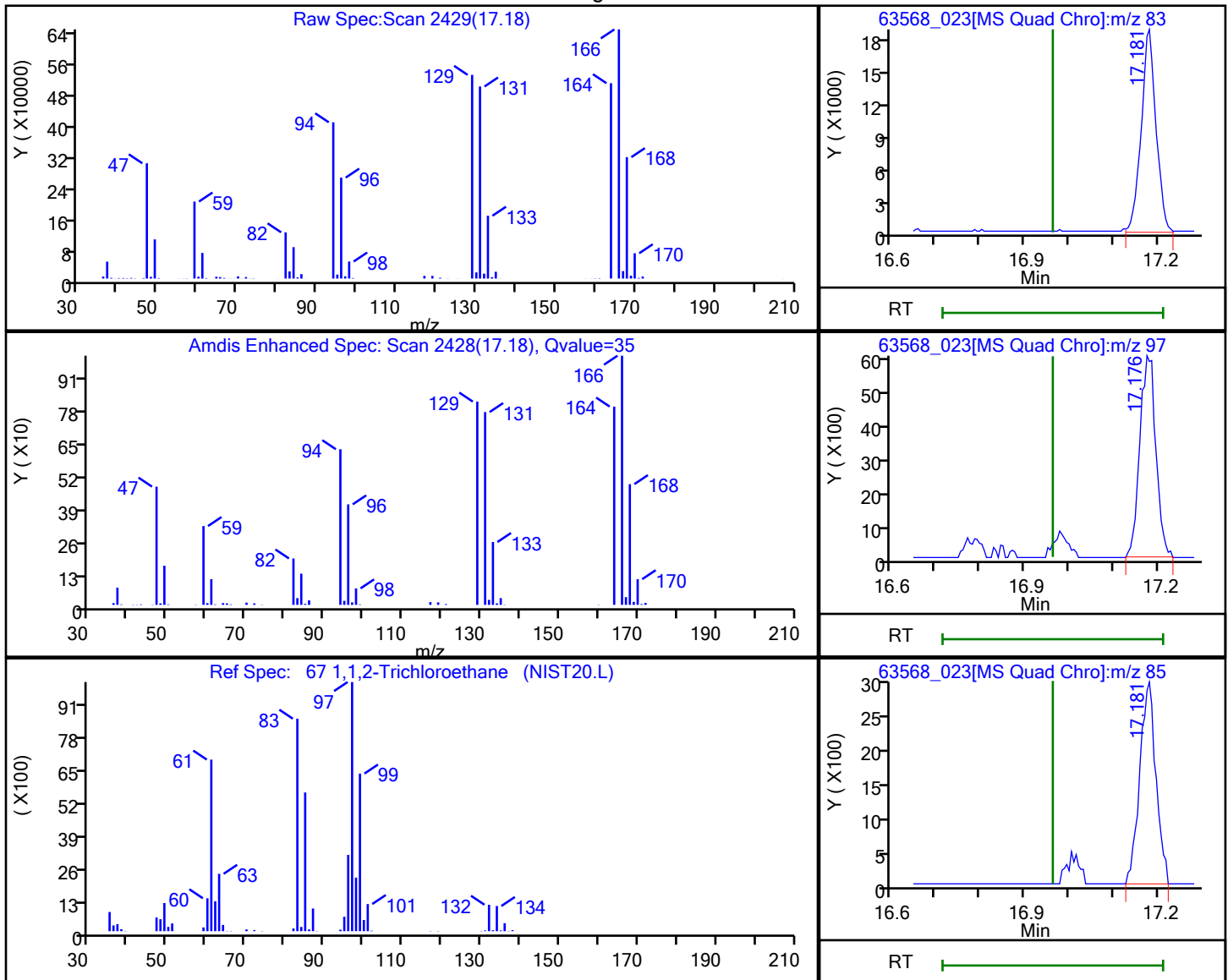
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.18	83.00	42640	0.777502
17.18	97.00	15394	
17.18	85.00	7475	

Reviewer: YWL8, 05-Jan-2025 21:10:34 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004</u>	Lab Sample ID: <u>200-76392-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 17:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.97	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	0.91	J	1.0	0.31
106-97-8	n-Butane	58.12	0.97	J	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	1.6		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.50	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
64-17-5	Ethanol	46.07	10		9.4	4.9
67-64-1	Acetone	58.08	16		12	3.8
67-63-0	Isopropyl alcohol	60.10	6.9	J	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	0.80	J	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	2.4		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	0.50	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	3.6		1.1	0.24
110-82-7	Cyclohexane	84.16	0.27	J	0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004</u>	Lab Sample ID: <u>200-76392-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 17:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.30		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.51	J	0.93	0.18
71-43-2	Benzene	78.11	54		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	1.1		0.82	0.23
79-01-6	Trichloroethene	131.39	3.0		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	9.2		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	730	E	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	0.61	J	0.87	0.30
179601-23-1	m,p-Xylene	106.17	1.1	J	2.2	0.41
95-47-6	o-Xylene	106.17	0.36	J	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	0.28	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	0.98	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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004</u>	Lab Sample ID: <u>200-76392-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 17:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004</u>	Lab Sample ID: <u>200-76392-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 17:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.47	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.27	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	0.44	J	0.50	0.15
106-97-8	n-Butane	58.12	0.41	J	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	0.29		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.066	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
64-17-5	Ethanol	46.07	5.5		5.0	2.6
67-64-1	Acetone	58.08	6.7		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	2.8	J	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	0.23	J	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	0.81		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	0.10	J	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	0.67		0.20	0.044
110-82-7	Cyclohexane	84.16	0.079	J	0.20	0.058

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004</u>	Lab Sample ID: <u>200-76392-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 17:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.048		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.11	J	0.20	0.038
71-43-2	Benzene	78.11	17		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	0.28		0.20	0.055
79-01-6	Trichloroethene	131.39	0.56		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	2.4		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	110	E	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	0.14	J	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.26	J	0.50	0.095
95-47-6	o-Xylene	106.17	0.082	J	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	0.057	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	0.20	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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004</u>	Lab Sample ID: <u>200-76392-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 17:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D
 Lims ID: 200-76392-A-4
 Client ID: SV122024KT004
 Sample Type: Client
 Inject. Date: 04-Jan-2025 17:30:45 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063582-011
 Misc. Info.: 76392-4
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 07:15:18 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1671

First Level Reviewer: YWL8

Date: 06-Jan-2025 07:15:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.369	4.374	-0.005	99	36803	0.4746	
3 Chlorodifluoromethane	51	4.422	4.422	0.000	97	12274	0.2734	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	0.000	1	1411	0.0173	7M
5 Chloromethane	50	4.877	4.872	0.000	98	11742	0.4421	
7 Butane	43	5.177	5.177	0.000	98	25018	0.4091	
6 Vinyl chloride	62		5.182				ND	
8 Butadiene	54		5.295				ND	7
9 Bromomethane	94		6.049				ND	
10 Chloroethane	64		6.327				ND	
13 Vinyl bromide	106		6.755				ND	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	99	23204	0.2856	
16 Ethanol	45	7.338	7.333	0.005	98	89227	5.49	
20 1,1-Dichloroethene	96		8.007				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.044	8.044	0.000	90	4930	0.0655	
22 Acetone	43	8.108	8.103	0.005	98	380308	6.68	
23 Isopropyl alcohol	45	8.424	8.408	0.016	99	161652	2.80	
24 Carbon disulfide	76	8.413	8.413	0.000	95	2625	0.0236	
26 3-Chloro-1-propene	41		8.718				ND	MU
27 Methylene Chloride	49	8.964	8.959	0.005	97	4965	0.1059	
28 2-Methyl-2-propanol	59	9.205	9.194	0.011	95	16127	0.2156	
30 trans-1,2-Dichloroethene	61	9.467	9.467	0.010	1	602	0.0105	7M
31 Methyl tert-butyl ether	73		9.462				ND	
32 Hexane	57	9.970	9.970	0.000	93	13631	0.2261	
33 1,1-Dichloroethane	63		10.248				ND	7
36 2-Butanone (MEK)	72	11.249	11.238	0.011	100	16214	0.8130	
37 cis-1,2-Dichloroethene	96		11.260				ND	7
* 39 Chlorobromomethane	128	11.677	11.677	0.000	97	247383	10.0	
40 Tetrahydrofuran	42	11.725	11.725	0.016	55	5869	0.1270	M
41 Chloroform	83	11.859	11.859	0.000	95	8336	0.1020	
42 1,1,1-Trichloroethane	97	12.158	12.153	0.005	97	50847	0.6658	
43 Cyclohexane	84	12.287	12.281	0.000	95	3892	0.0788	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.436	12.431	0.005	95	3618	0.0484	
45 Benzene	78	12.789	12.790	-0.001	97	2049847	16.9	
46 1,2-Dichloroethane	62		12.870				ND	MU
47 Isooctane	57	12.998	12.988	0.005	98	21334	0.1094	
48 n-Heptane	43	13.303	13.303	0.000	96	19927	0.2799	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1200230	10.0	
51 Trichloroethene	95	13.966	13.961	0.005	94	29187	0.5569	
53 1,2-Dichloropropane	63		14.432				ND	
54 Methyl methacrylate	69		14.512				ND	
55 1,4-Dioxane	88		14.560				ND	7
58 Dichlorobromomethane	83		14.908				ND	
59 cis-1,3-Dichloropropene	75		15.705				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.978				ND	7
62 Toluene	92	16.347	16.342	0.005	93	192172	2.44	
66 trans-1,3-Dichloropropene	75		16.770				ND	MU
67 1,1,2-Trichloroethane	83		17.150				ND	MU
68 Tetrachloroethene	166	17.337	17.331	0.006	97	6022787	107.6	E
69 2-Hexanone	43		17.562				ND	7
70 Chlorodibromomethane	129		17.888				ND	
71 Ethylene Dibromide	107		18.129				ND	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	93	1082892	10.0	
74 Chlorobenzene	112		19.097				ND	
75 Ethylbenzene	91	19.279	19.279	0.000	99	24661	0.1408	
76 m-Xylene & p-Xylene	106	19.530	19.530	-0.016	0	16772	0.2634	
78 o-Xylene	106	20.311	20.311	0.000	97	4901	0.0821	
79 Styrene	104		20.349				ND	
81 Bromoform	173		20.691				ND	
82 Isopropylbenzene	105	20.985	20.980	0.005	91	10098	0.0568	
83 1,1,2,2-Tetrachloroethane	83		21.504				ND	MU
85 N-Propylbenzene	91		21.681				ND	7
86 2-Chlorotoluene	91		21.831				ND	7
87 4-Ethyltoluene	105		21.873				ND	7
88 1,3,5-Trimethylbenzene	105		21.964				ND	7
91 tert-Butylbenzene	119		22.441				ND	
92 1,2,4-Trimethylbenzene	105		22.526				ND	7
93 sec-Butylbenzene	105		22.762				ND	7
94 1,3-Dichlorobenzene	146		22.938				ND	
95 4-Isopropyltoluene	119		22.970				ND	
96 1,4-Dichlorobenzene	146		23.077				ND	
97 Benzyl chloride	91		23.232				ND	
98 n-Butylbenzene	91		23.537				ND	
99 1,2-Dichlorobenzene	146		23.580				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.324				ND	
104 Naphthalene	128		26.576				ND	

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45 Instrument ID: CHAM.i Operator ID: vtp

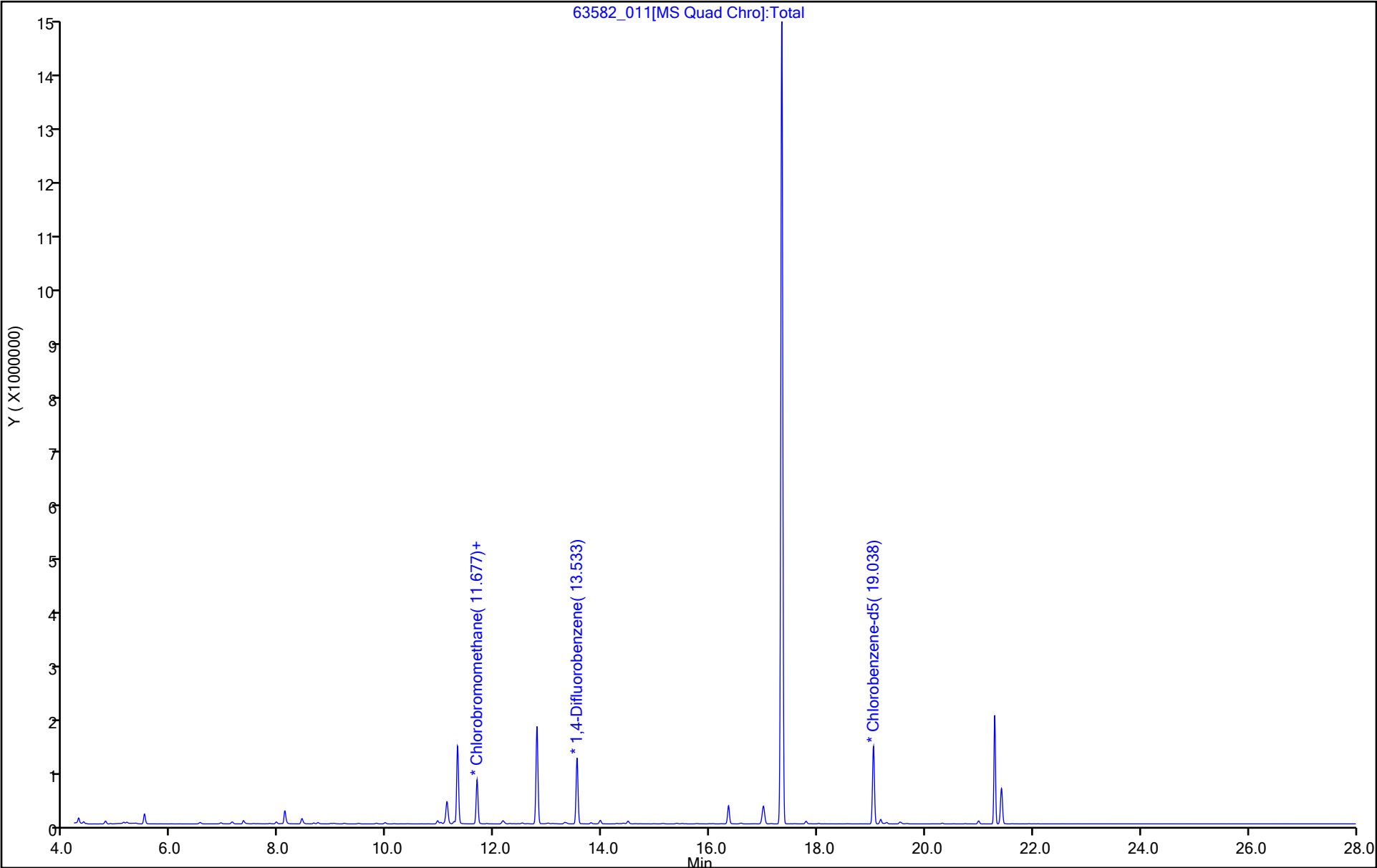
Lims ID: 200-76392-A-4 Lab Sample ID: 200-76392-4 Worklist Smp#: 11

Client ID: SV122024KT004

Purge Vol: 200.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

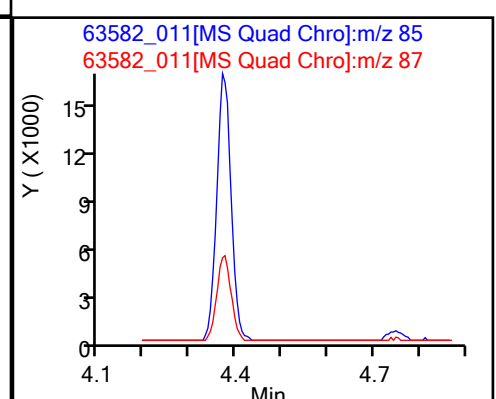
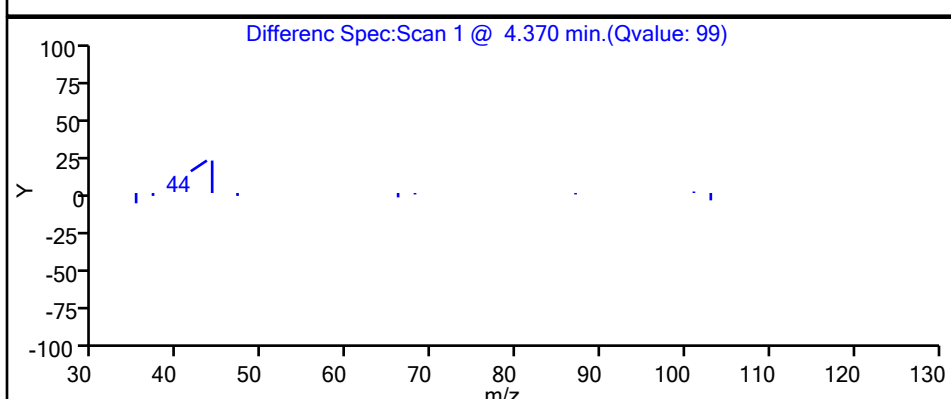
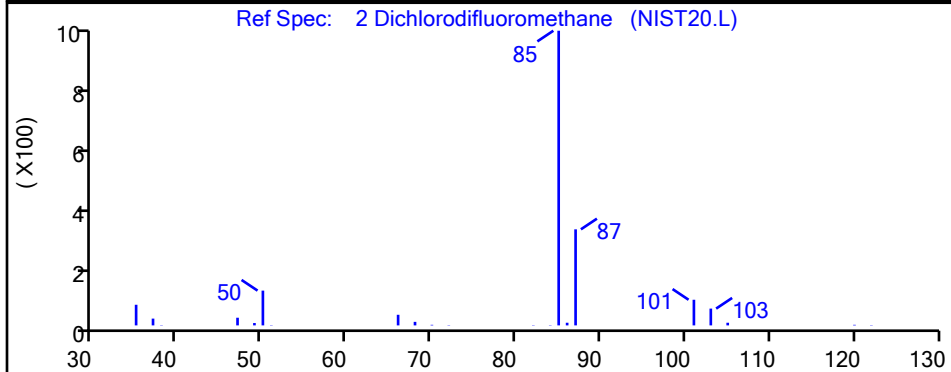
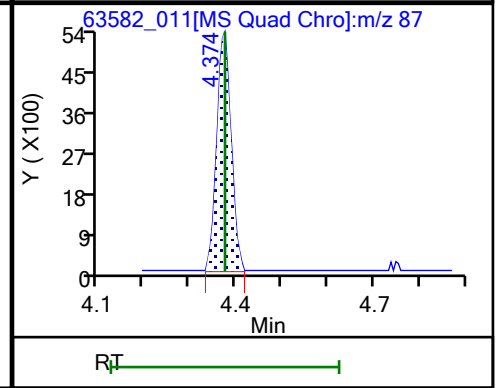
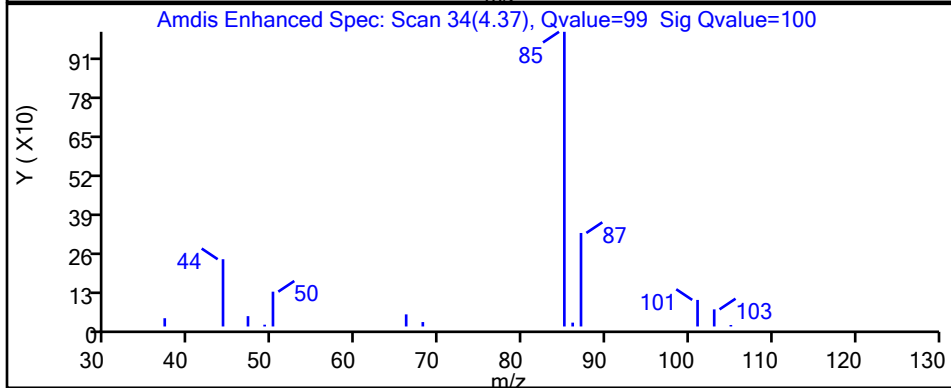
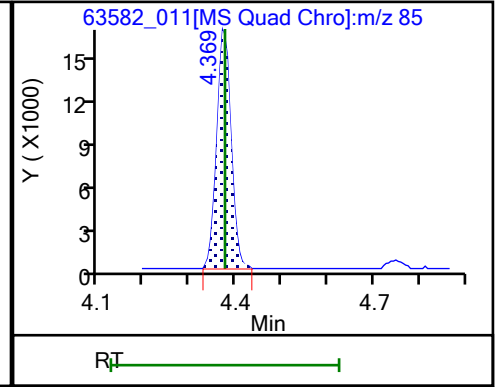
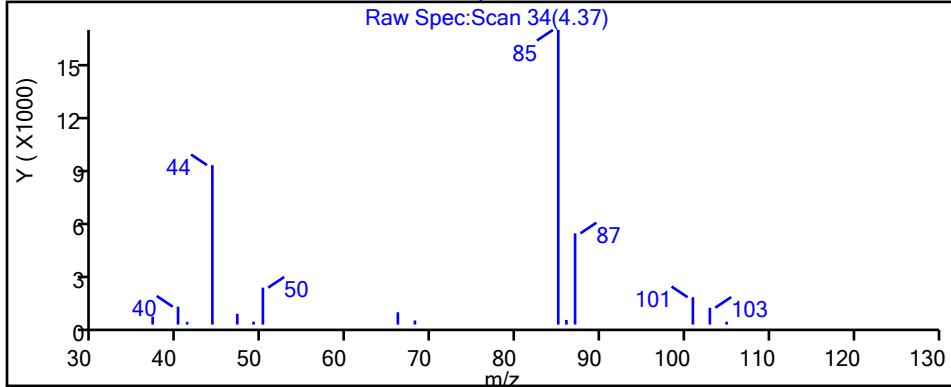
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

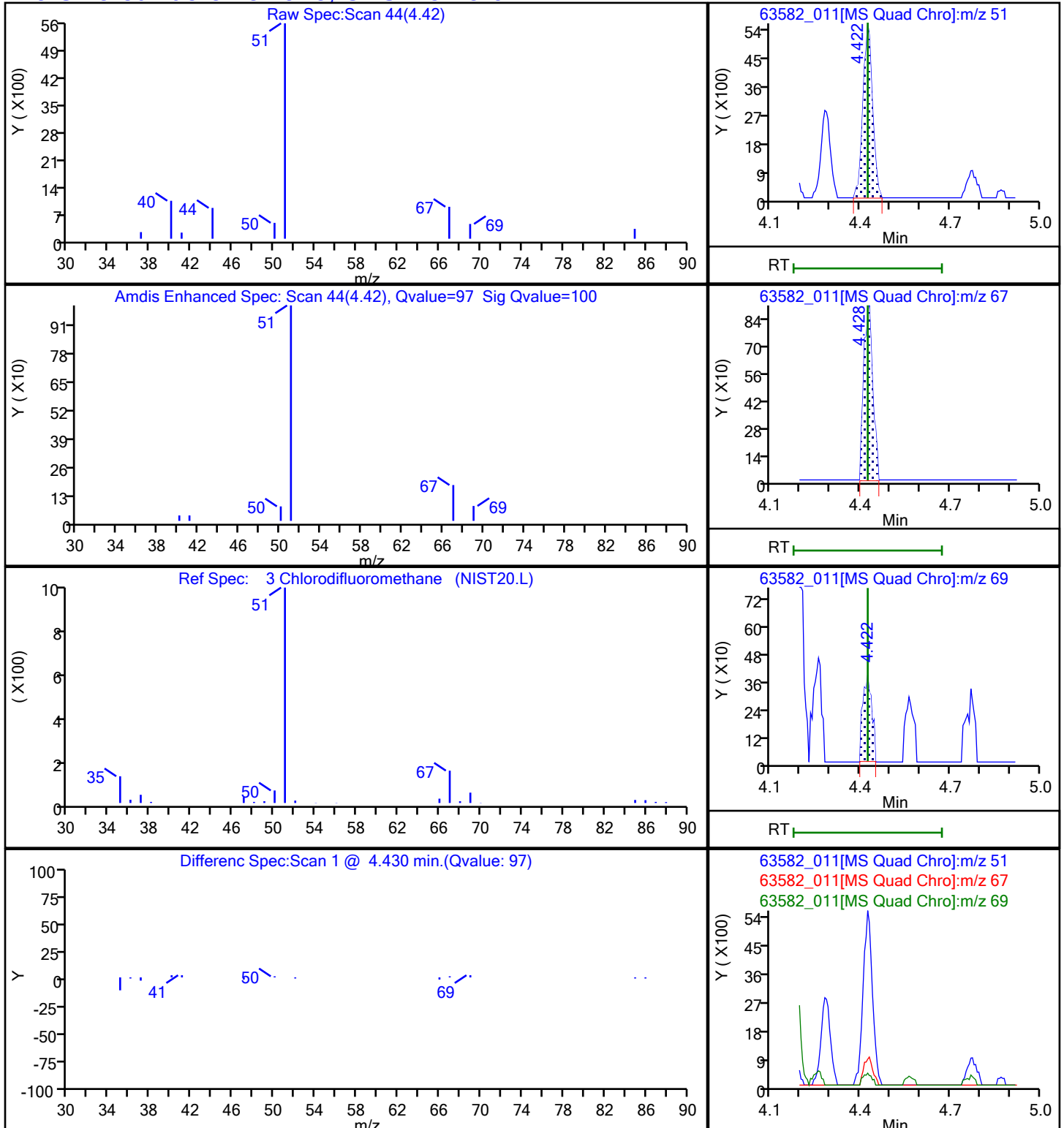
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

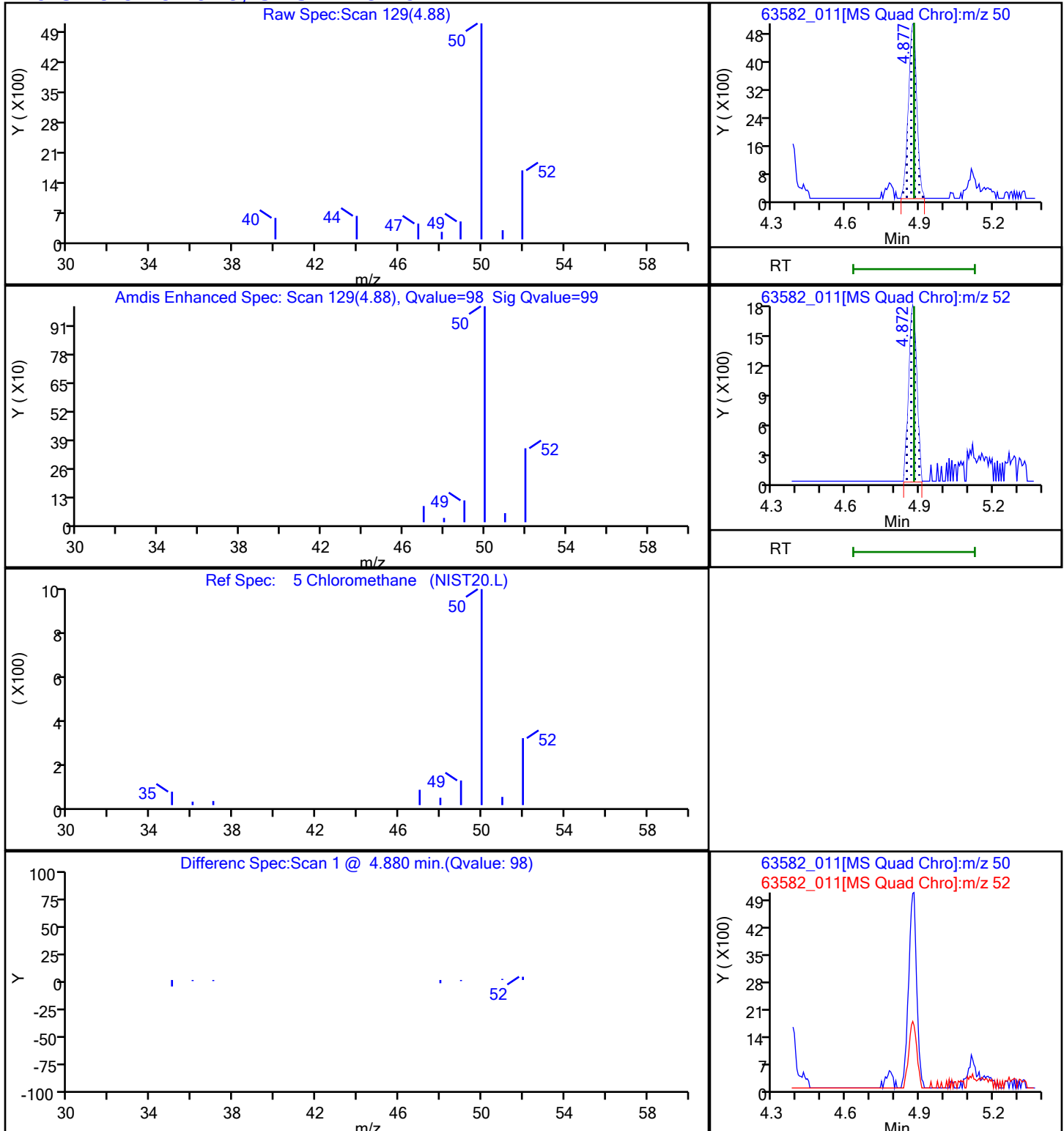
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

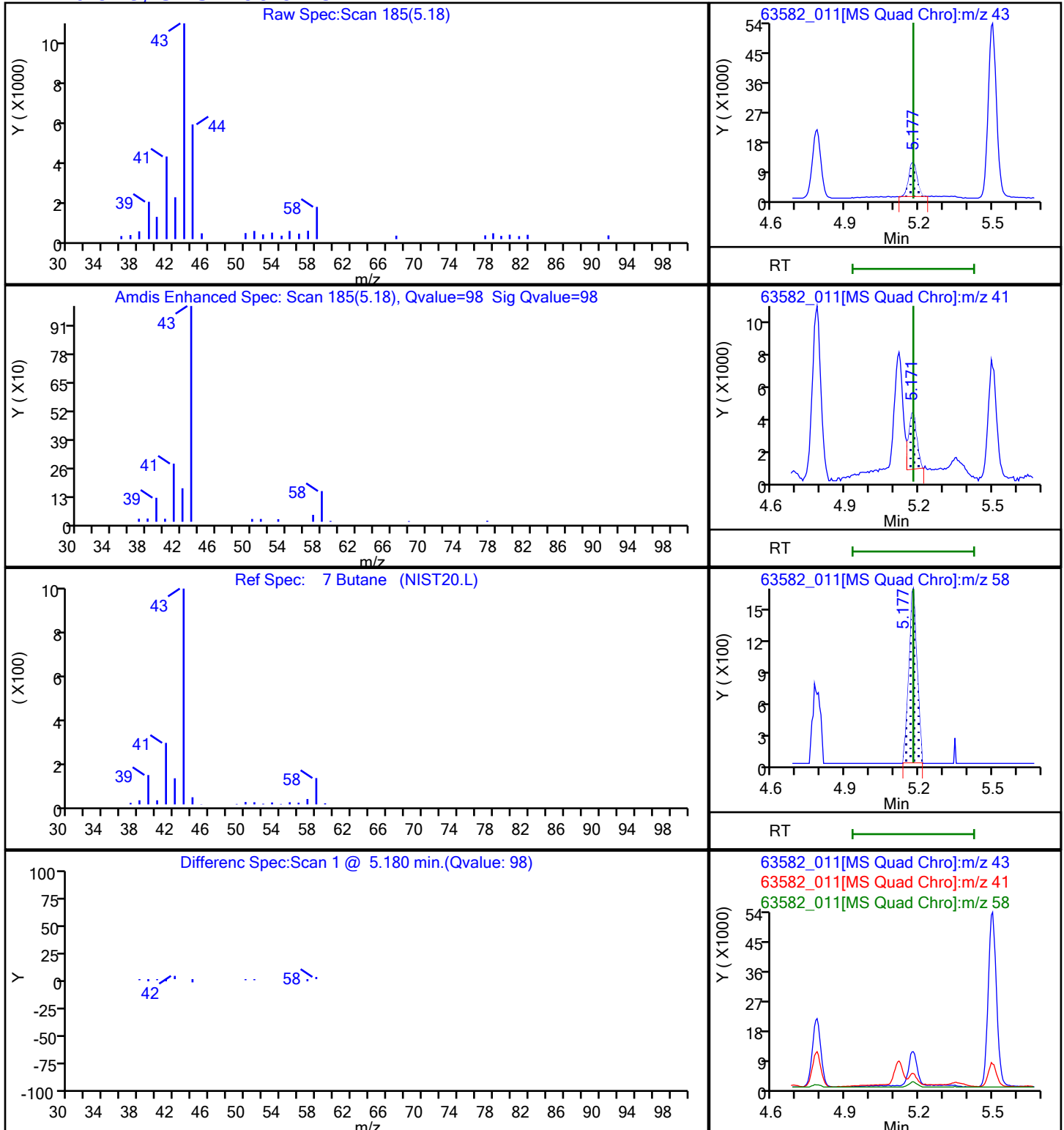
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

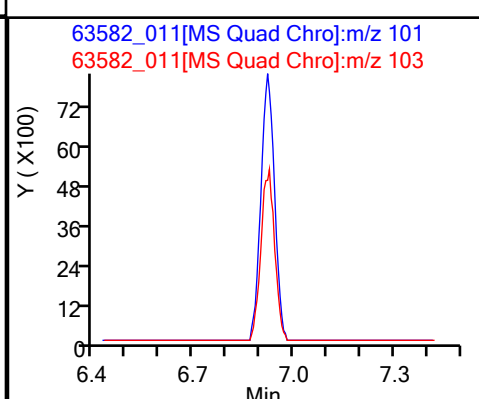
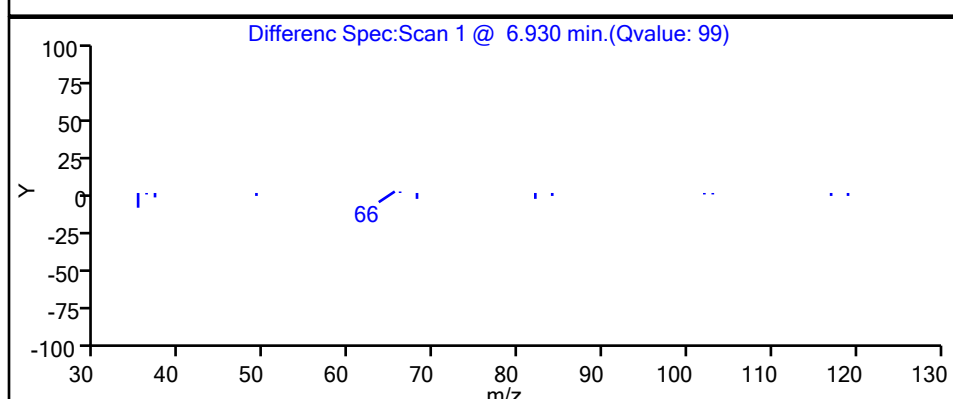
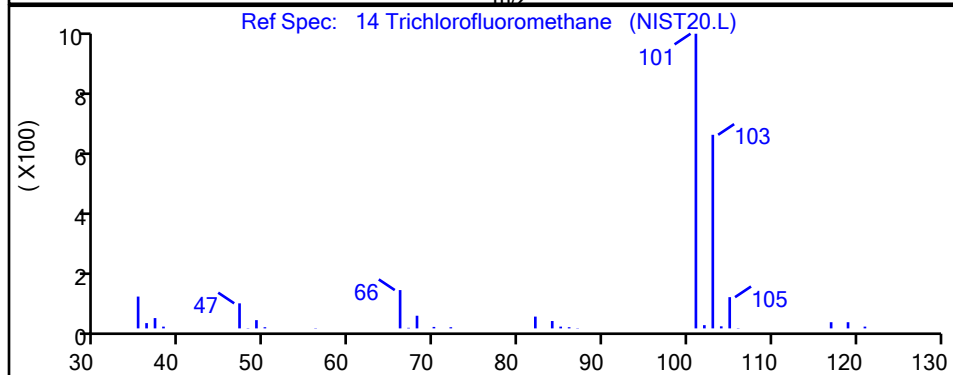
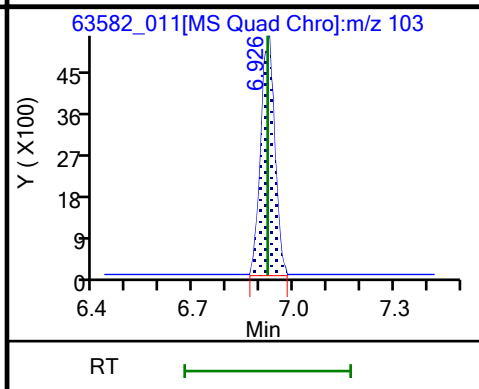
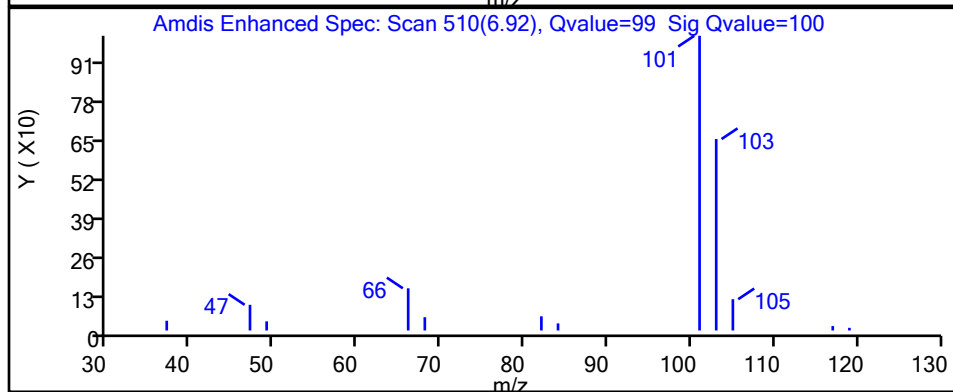
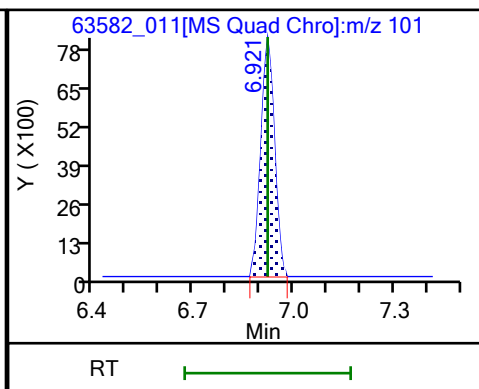
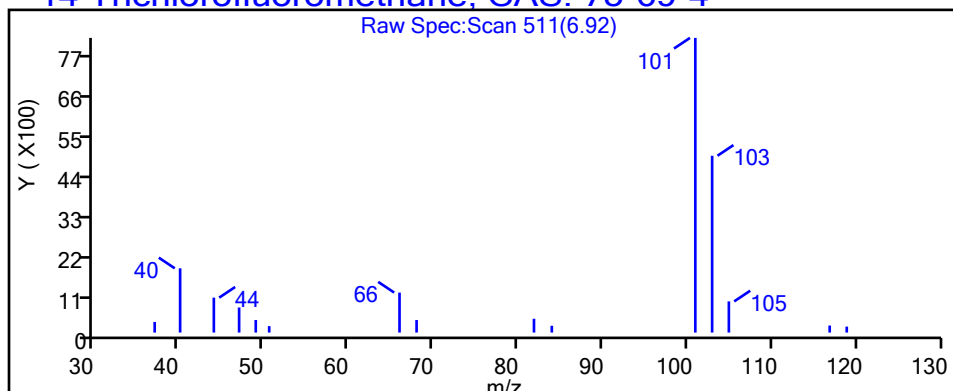
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

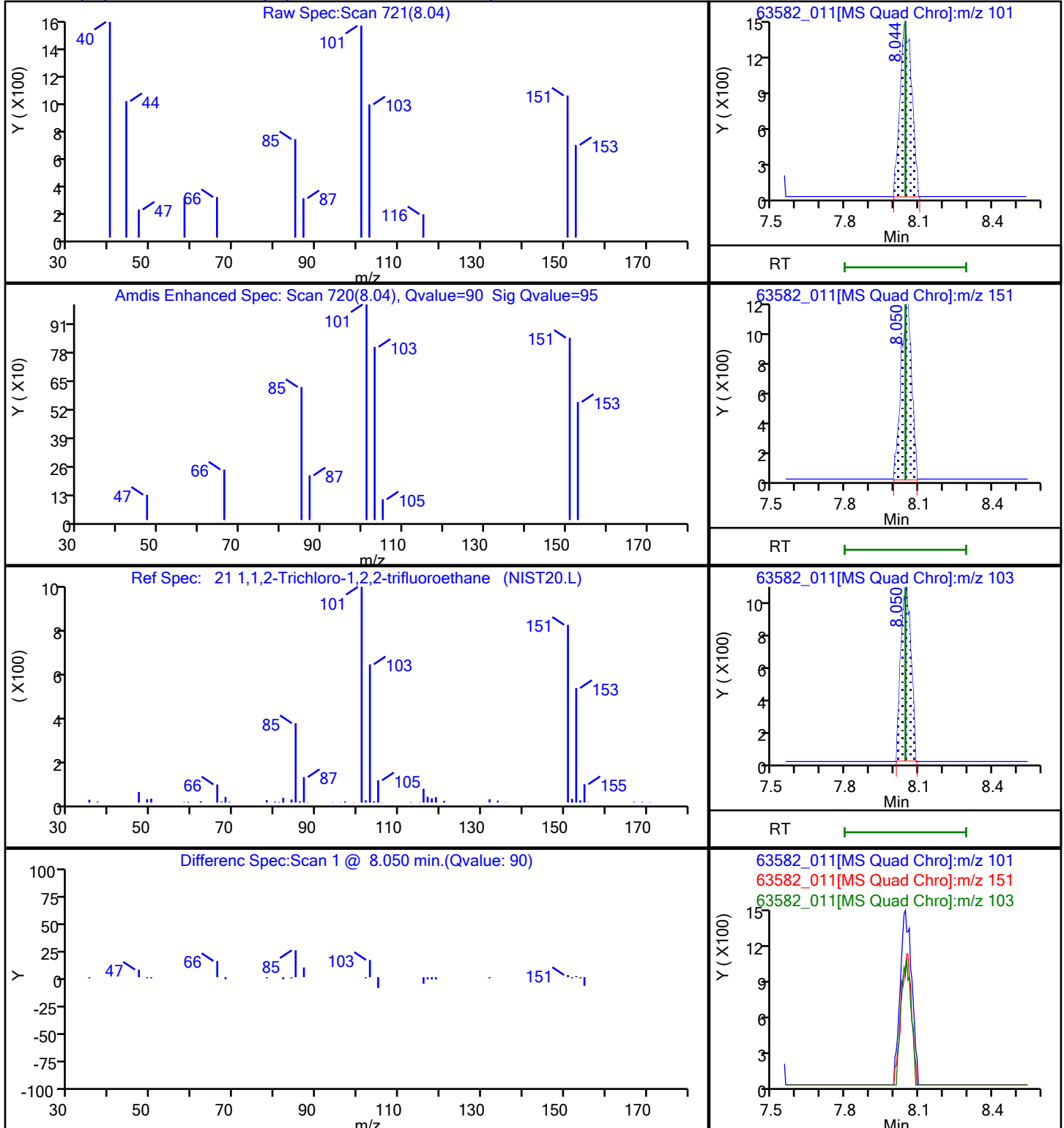
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

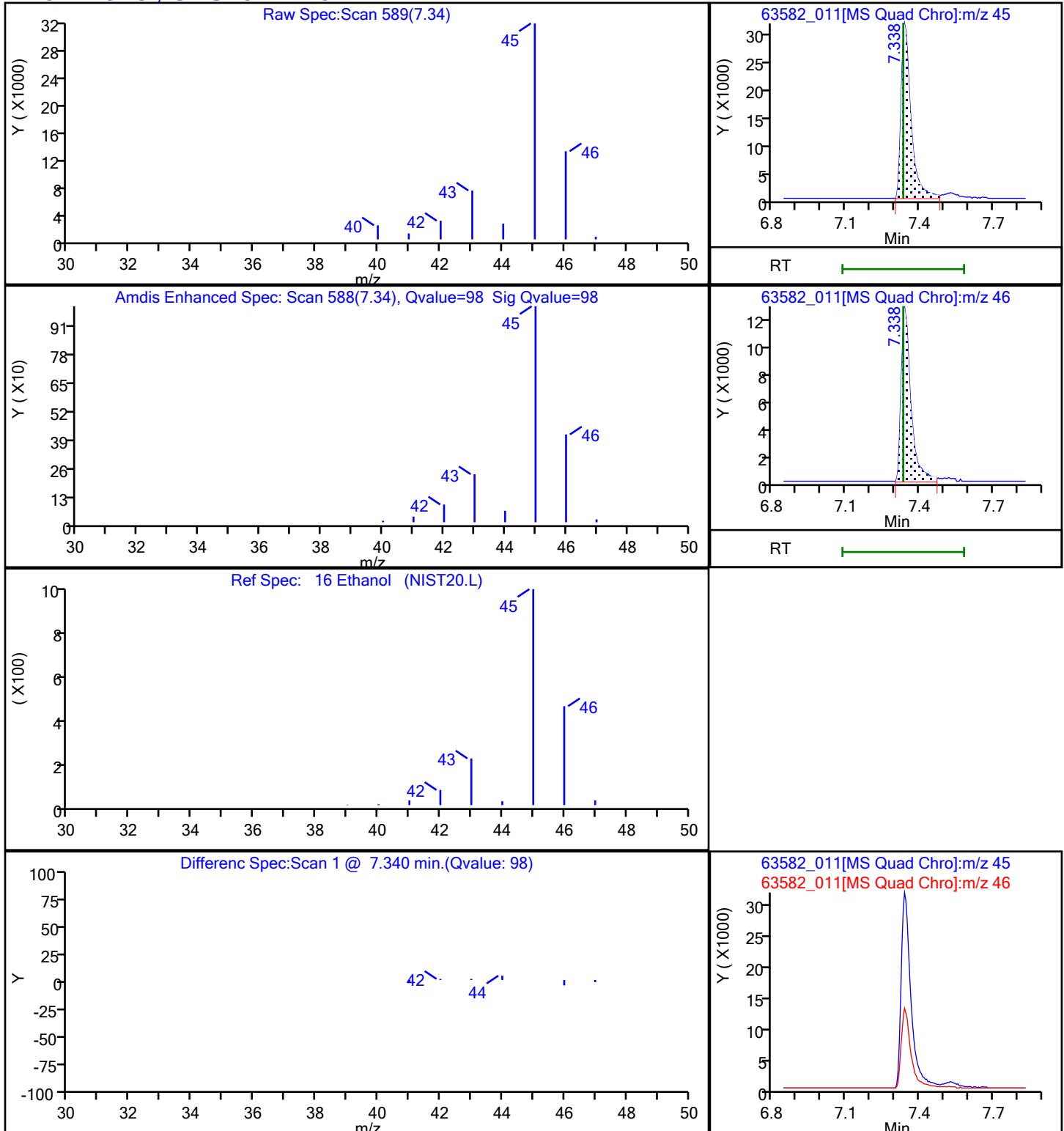
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Ethanol, CAS: 64-17-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

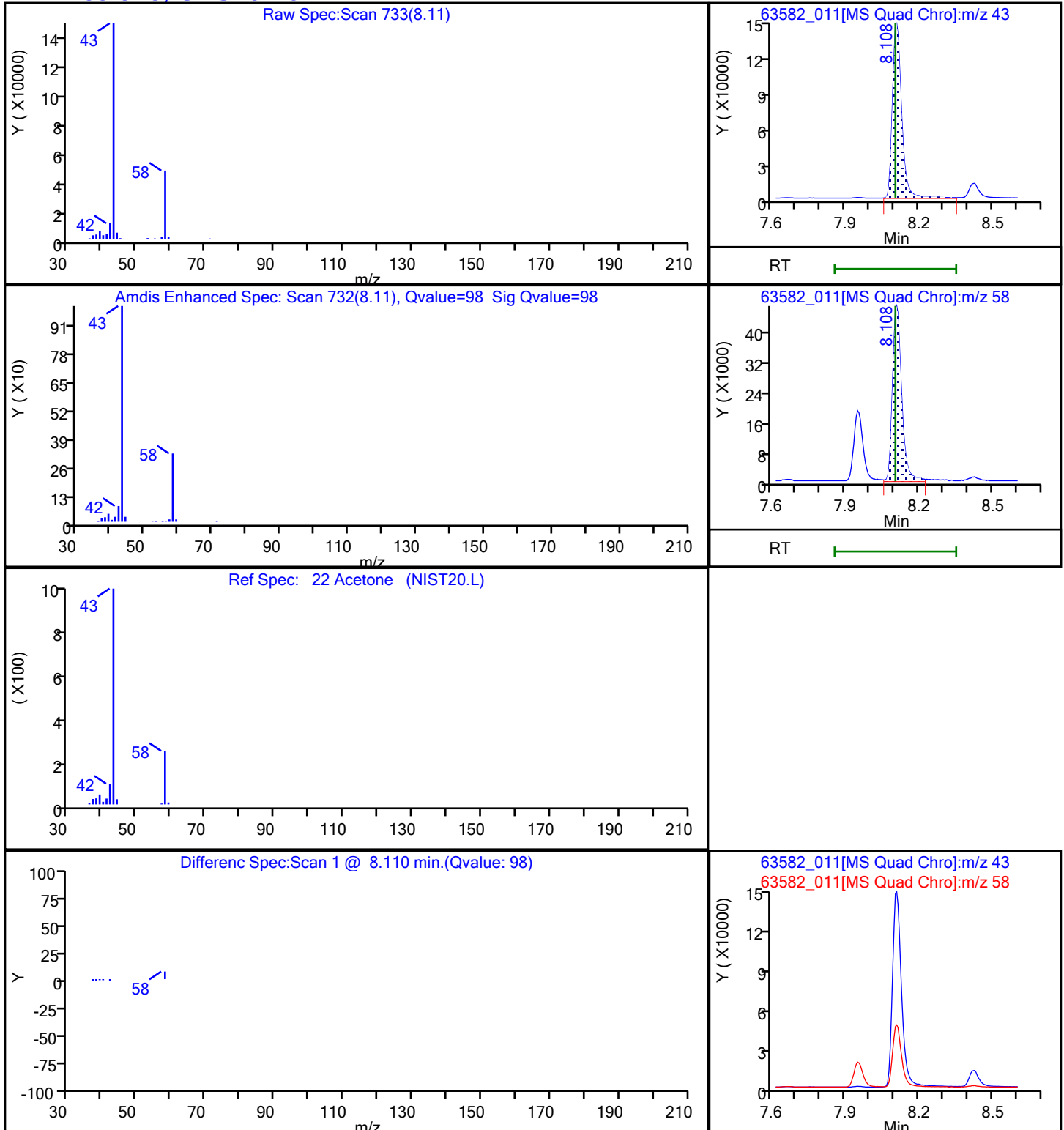
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

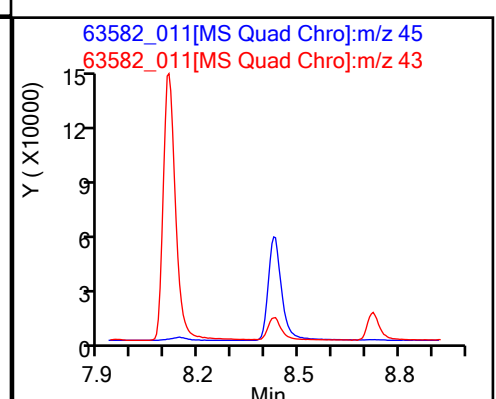
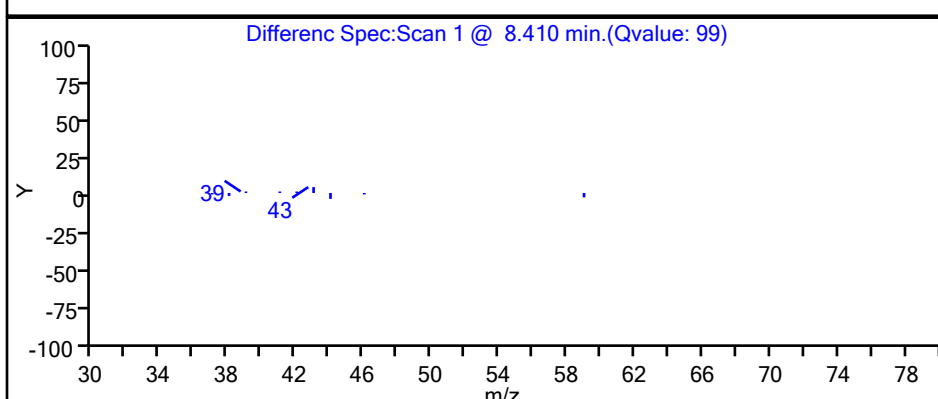
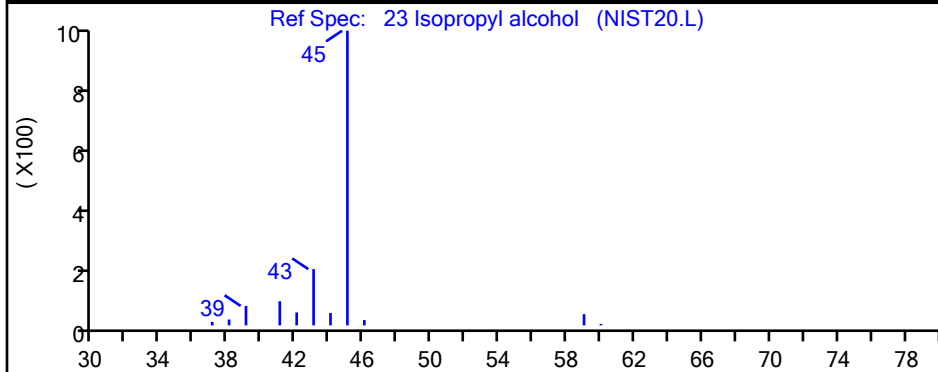
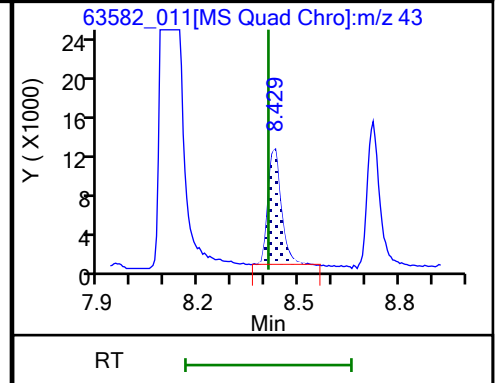
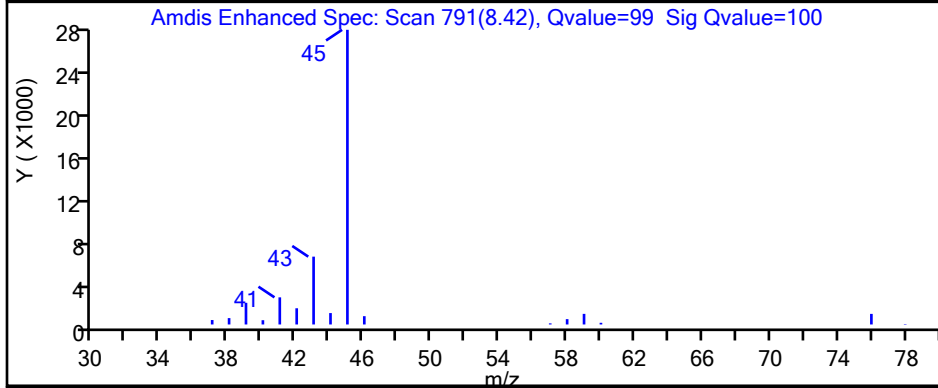
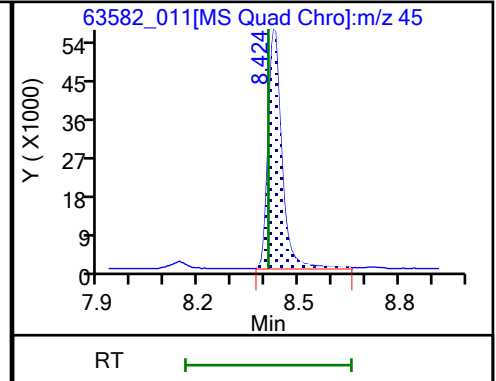
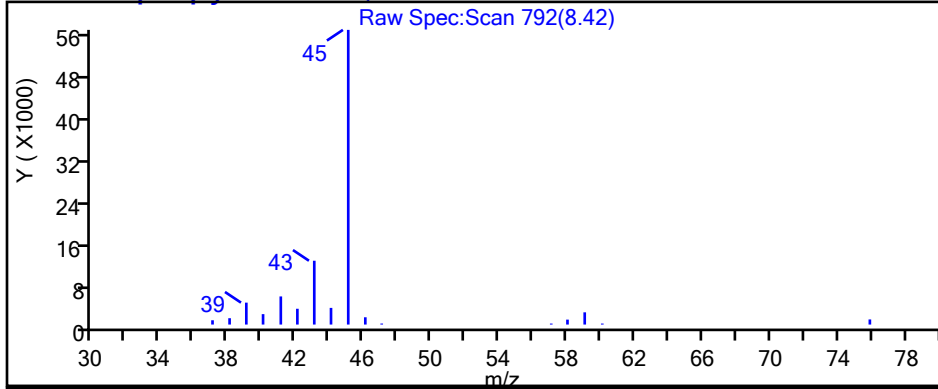
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Isopropyl alcohol, CAS: 67-63-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

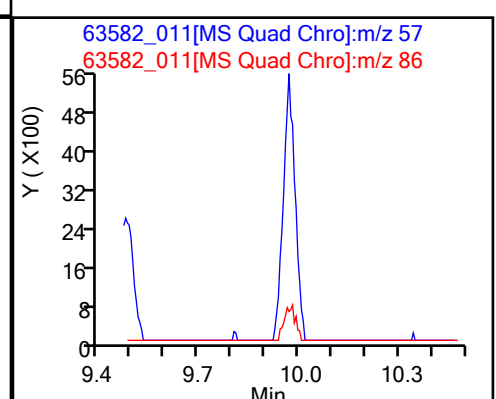
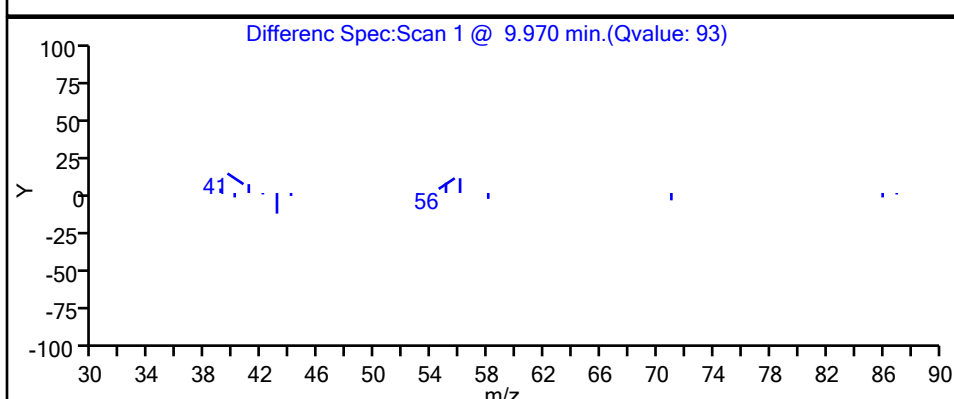
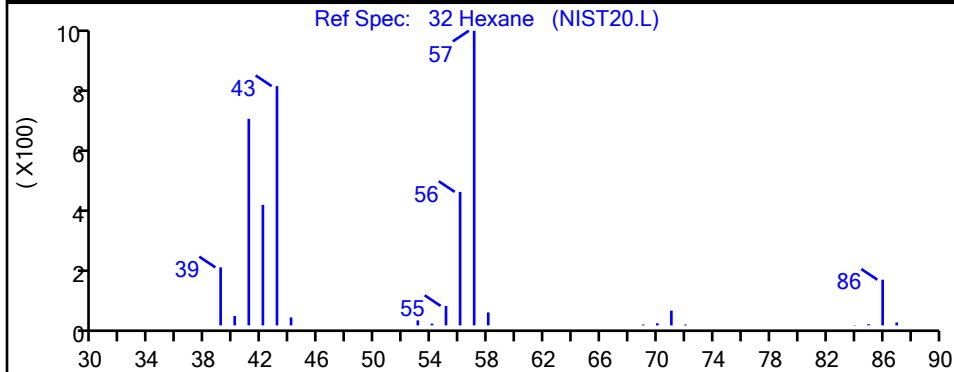
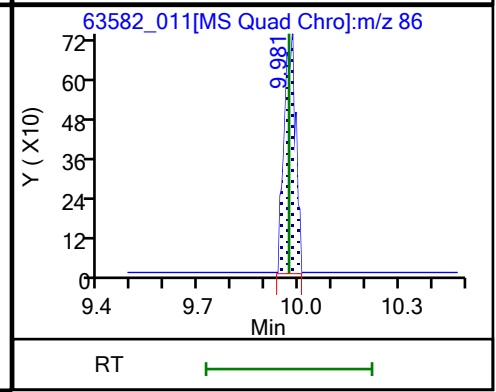
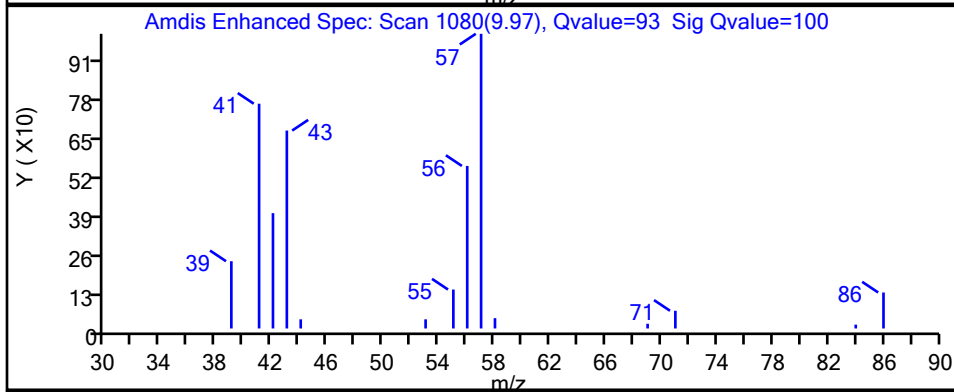
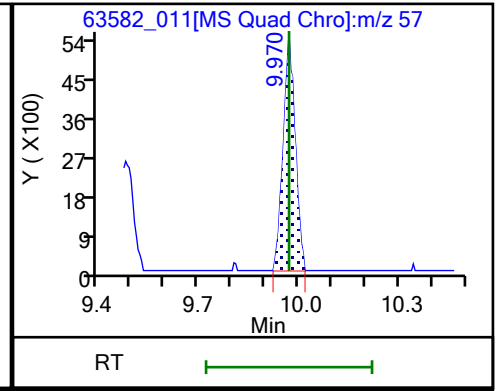
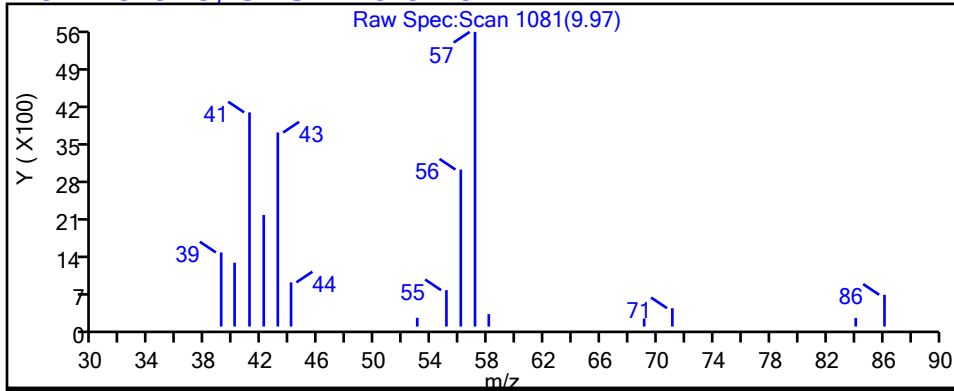
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

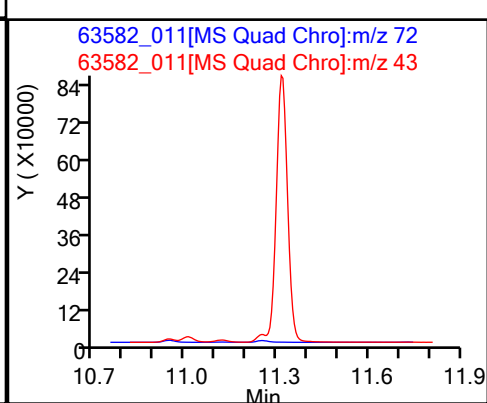
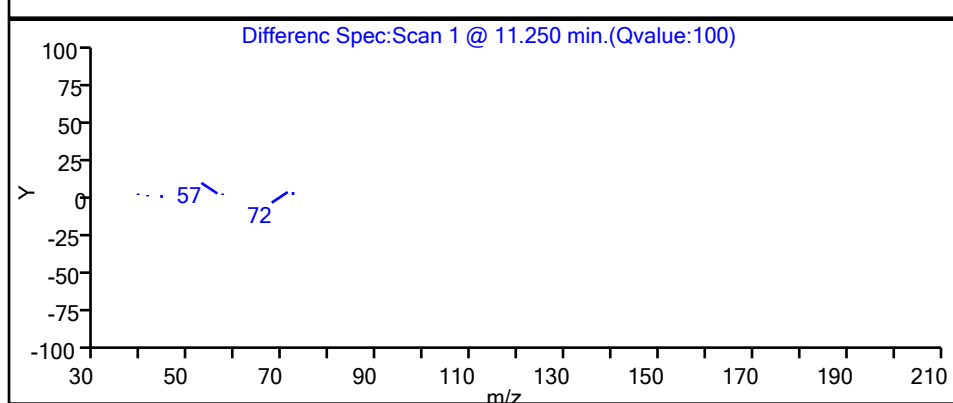
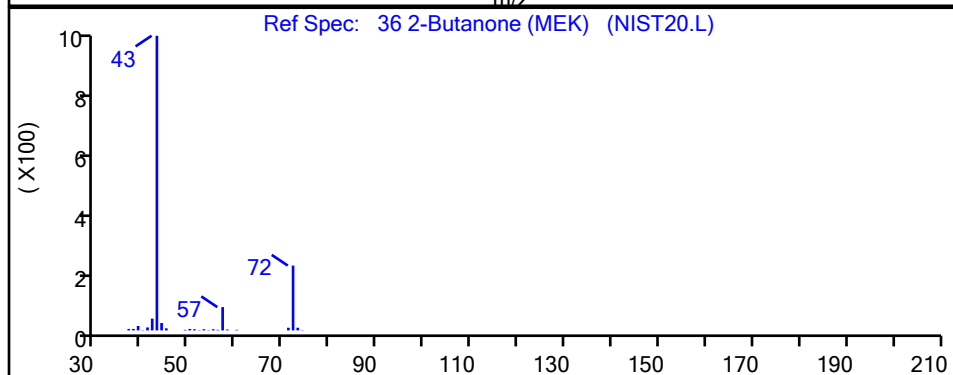
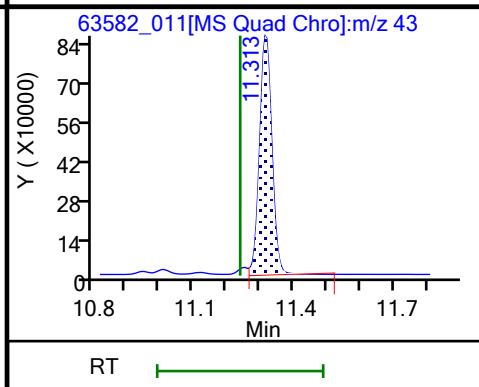
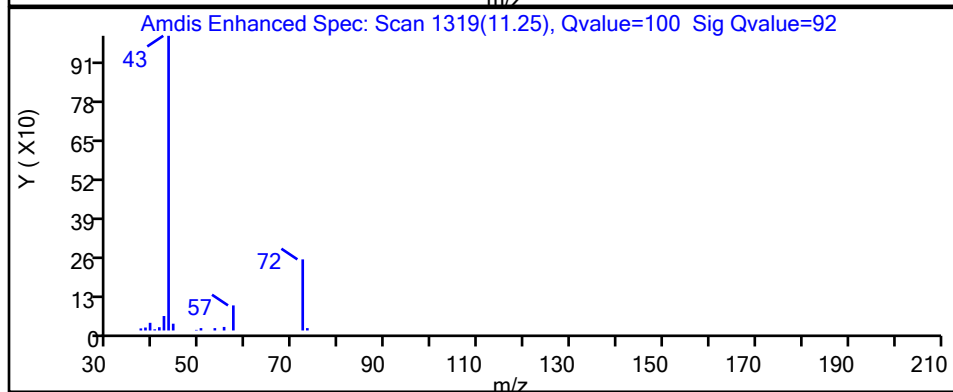
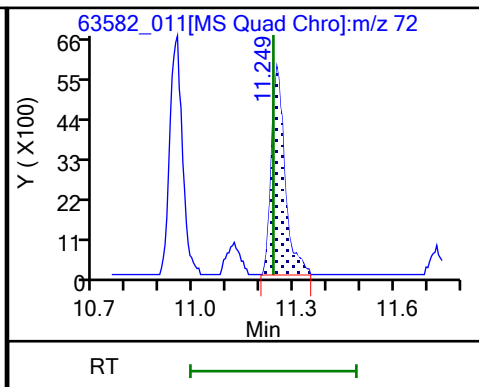
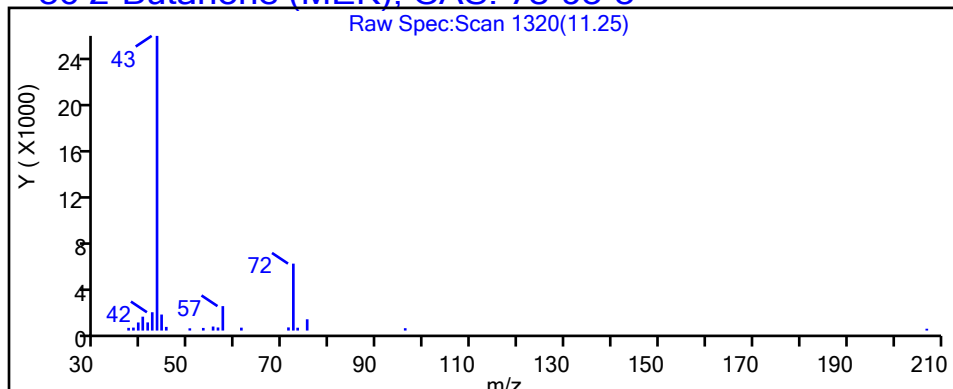
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

36 2-Butanone (MEK). CAS: 78-93-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

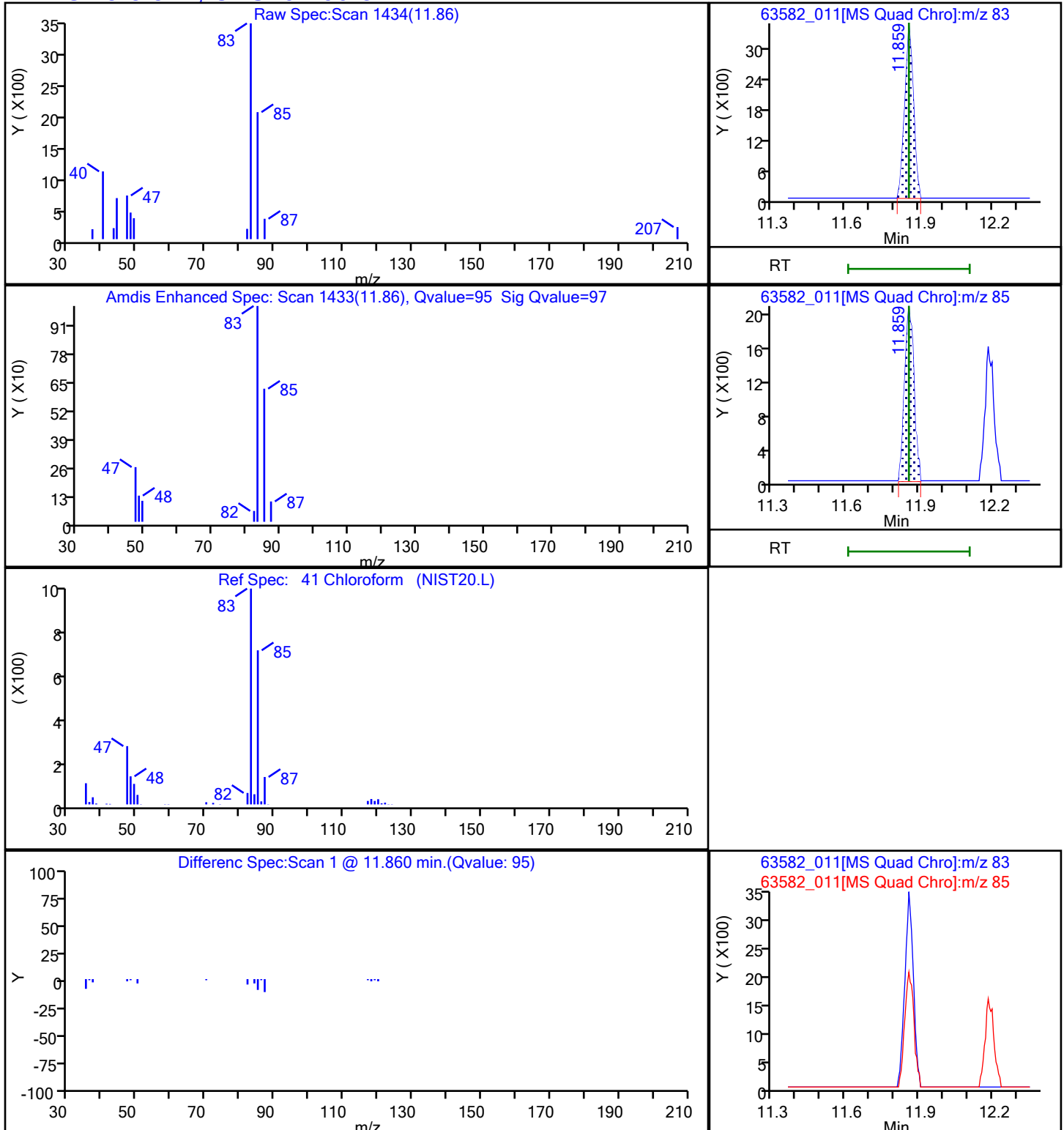
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

41 Chloroform, CAS: 67-66-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

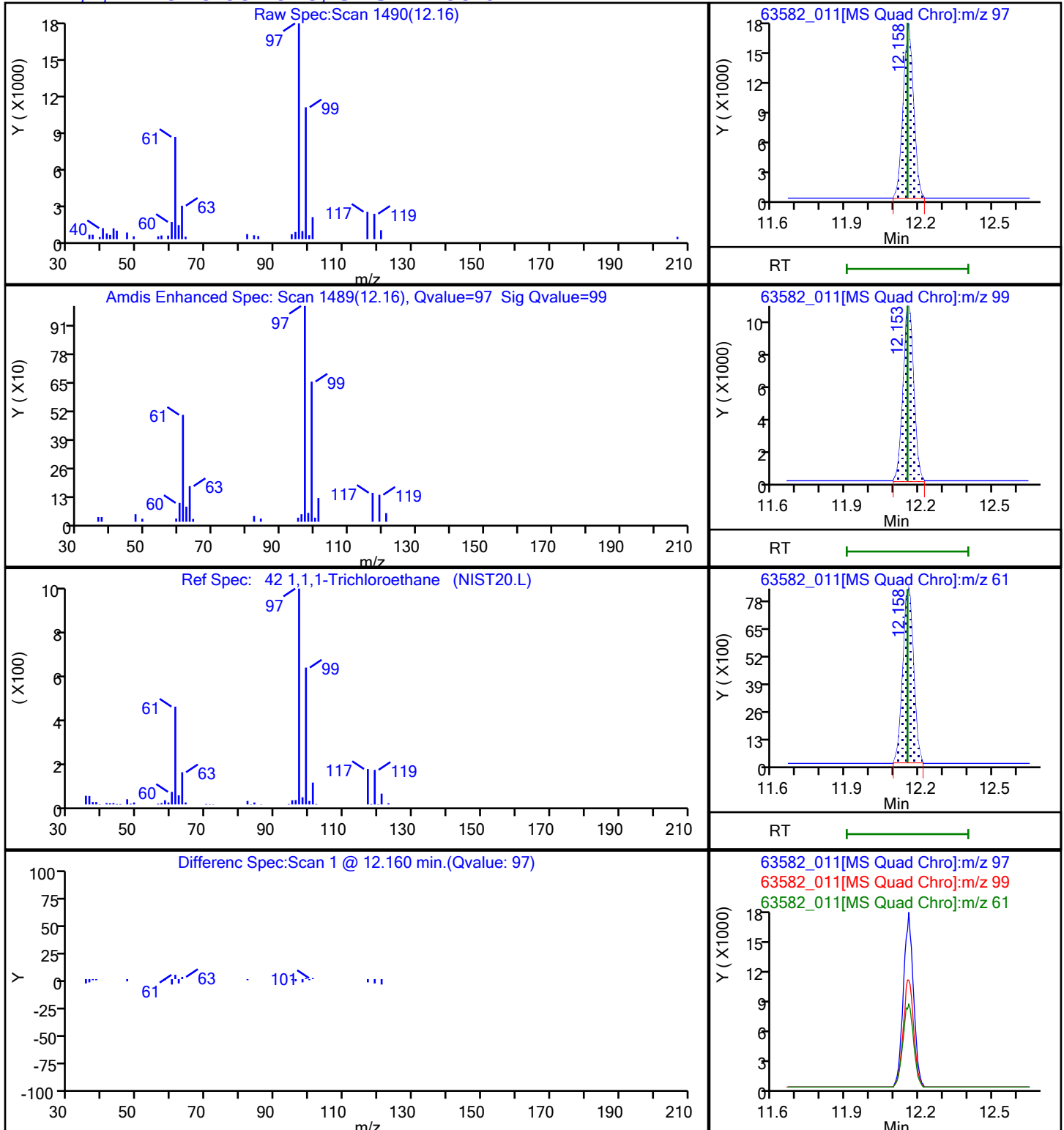
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

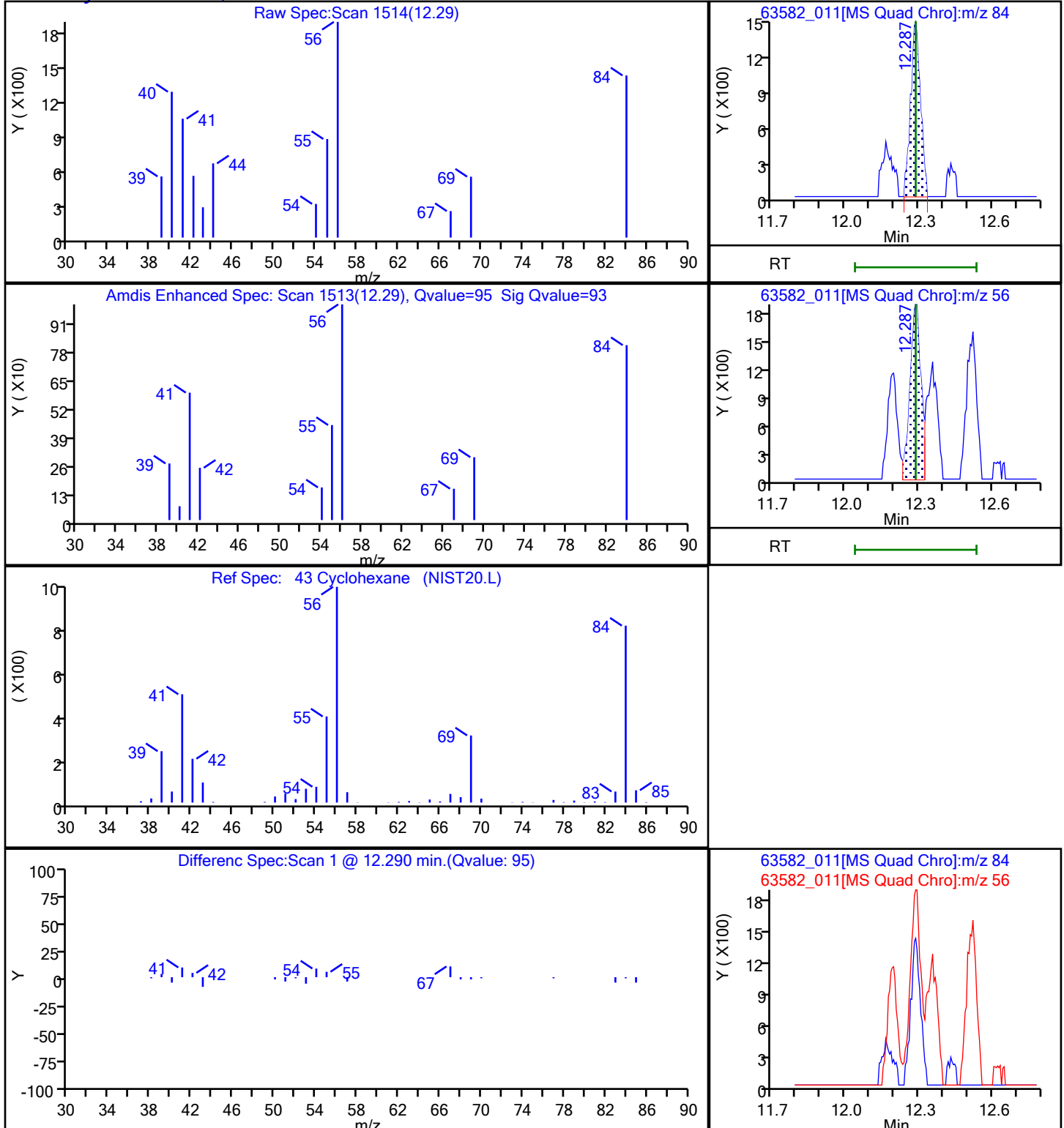
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

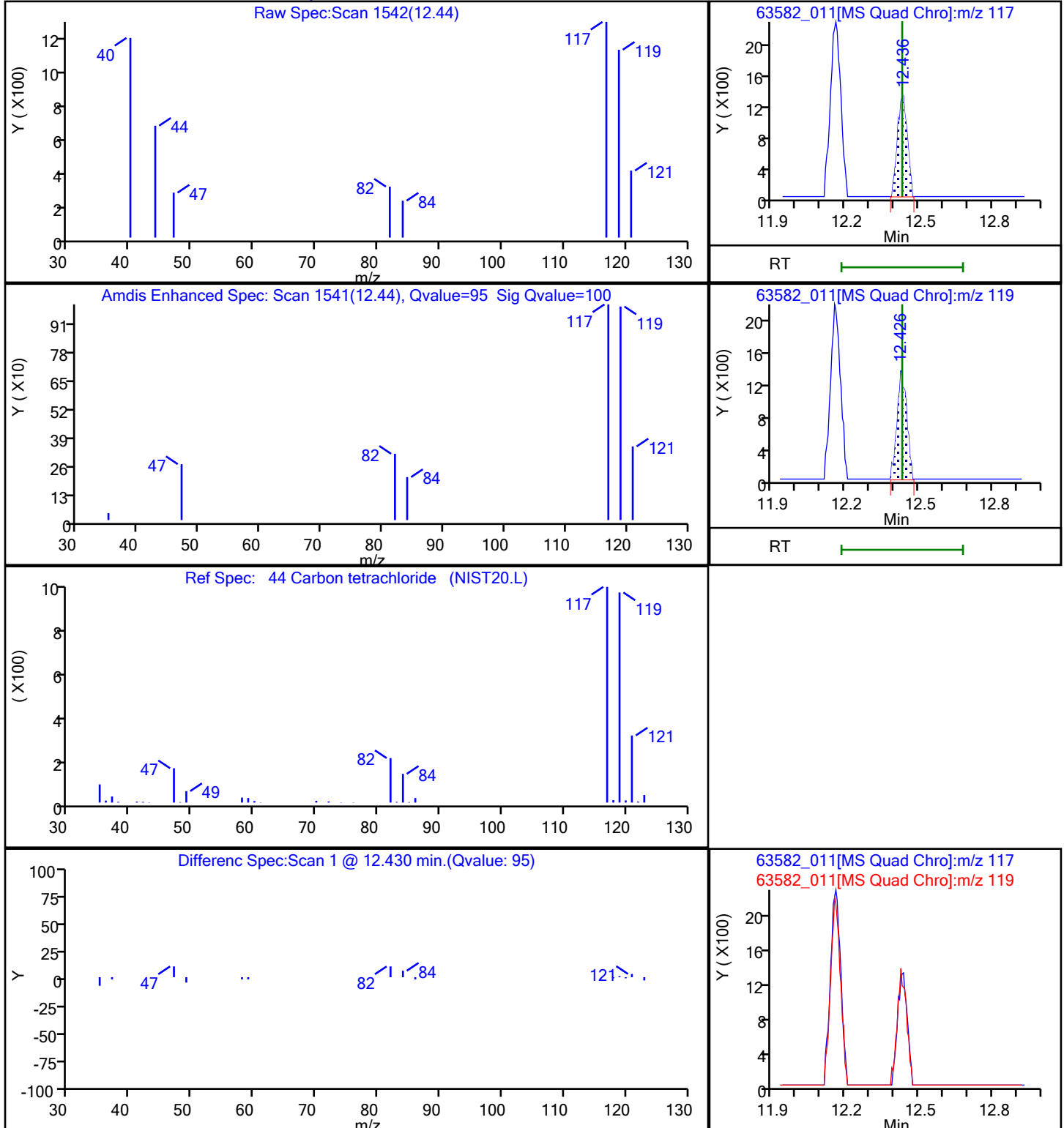
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

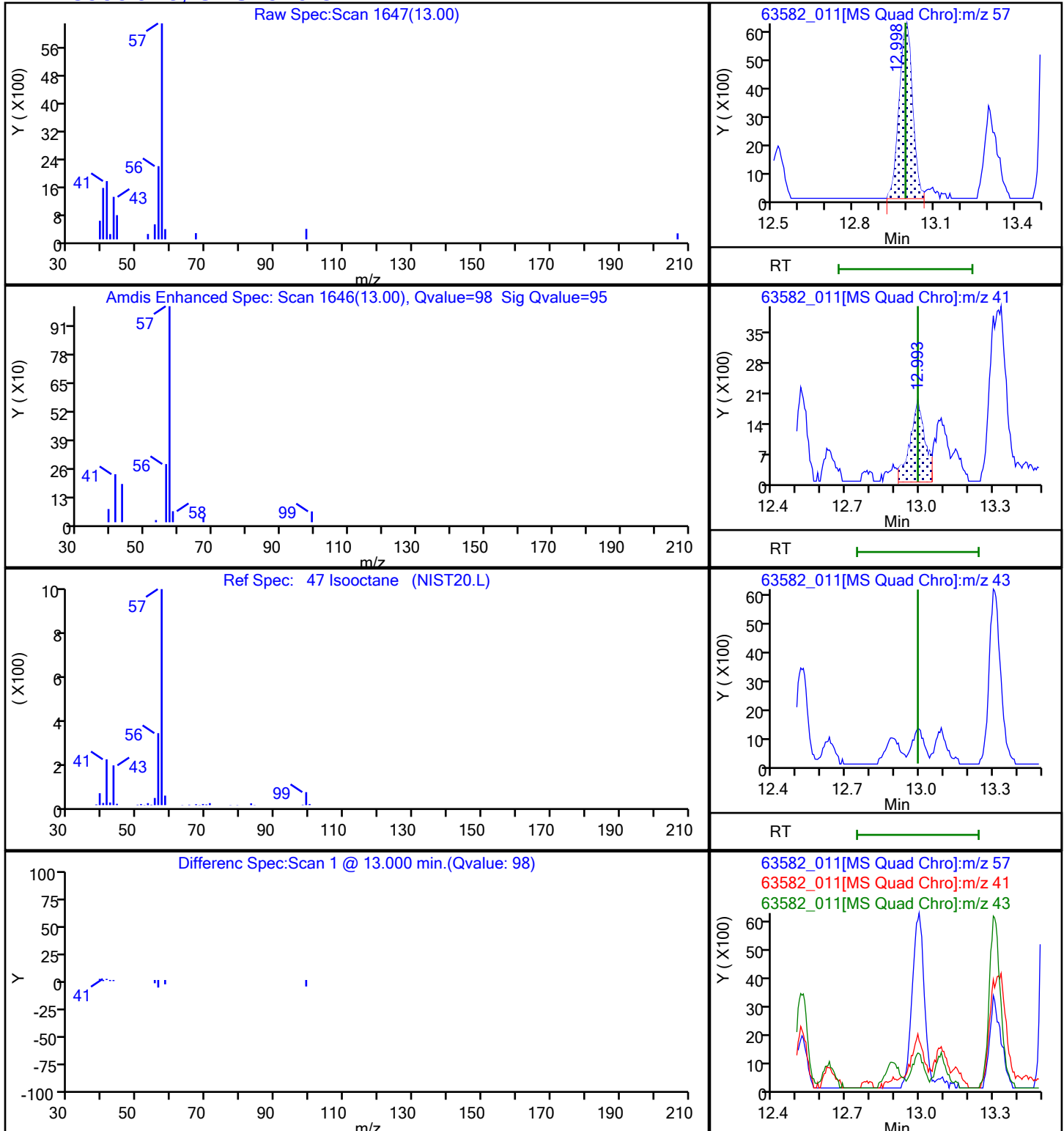
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Isooctane, CAS: 540-84-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

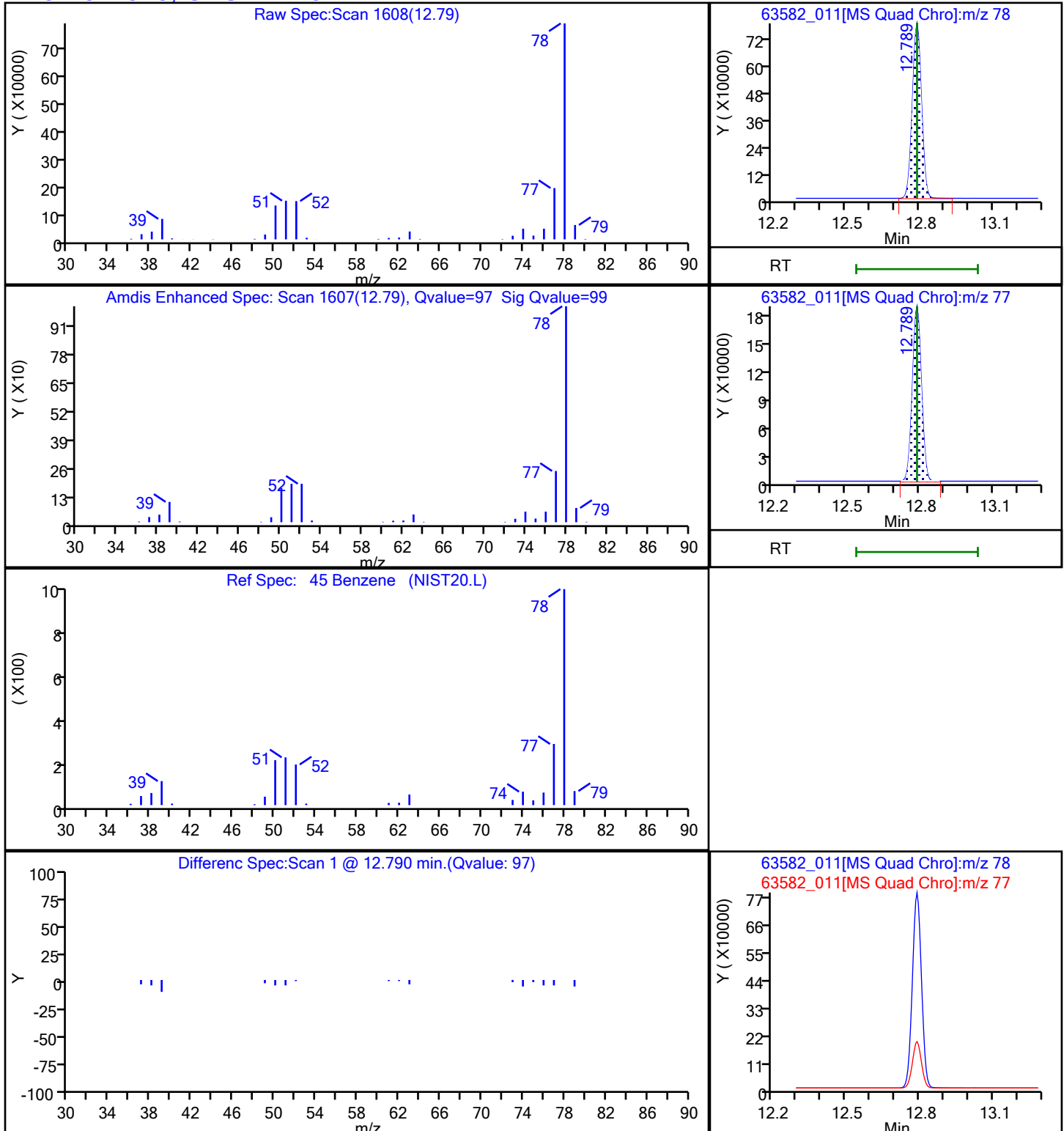
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

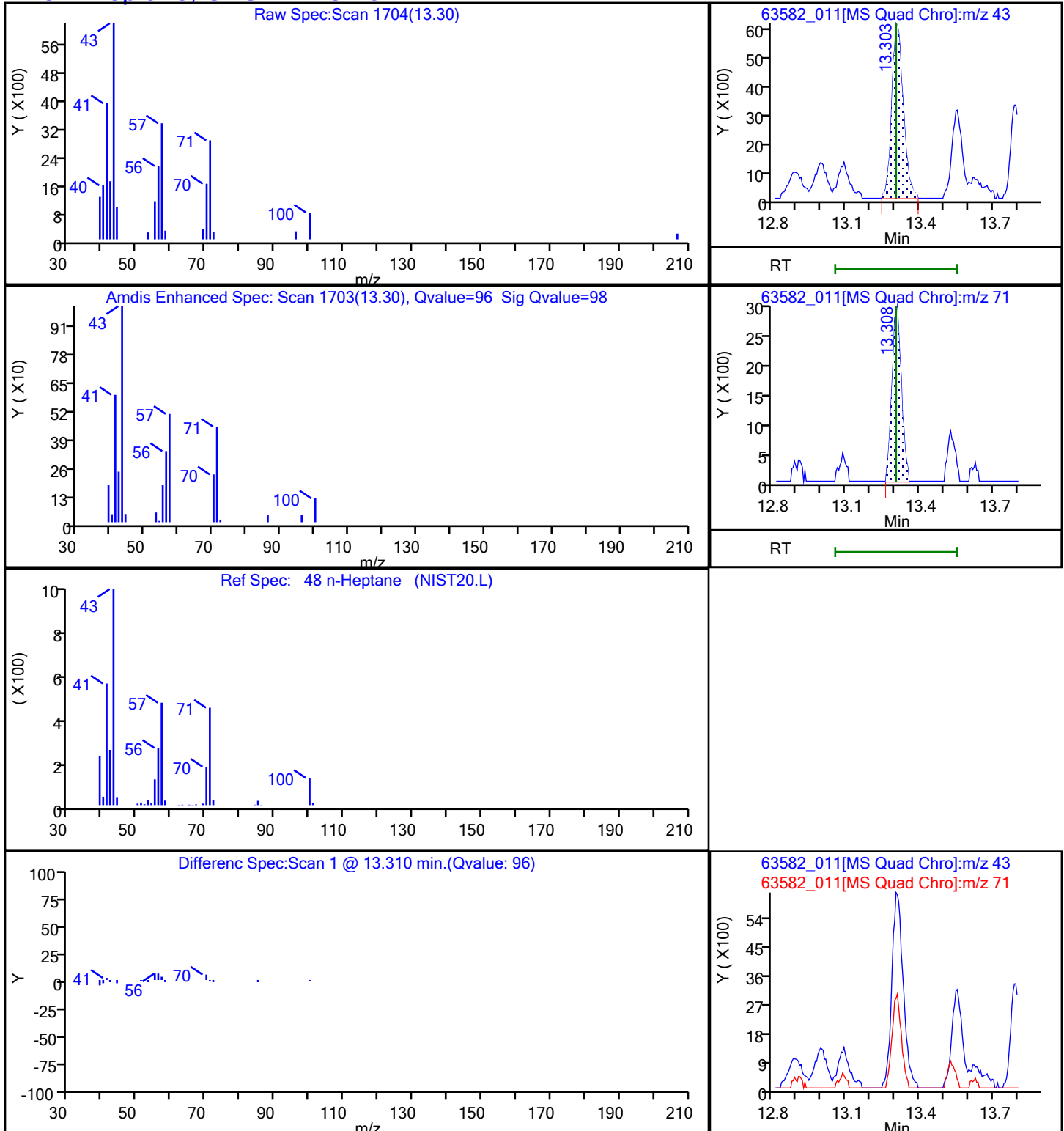
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

48 n-Heptane, CAS: 142-82-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

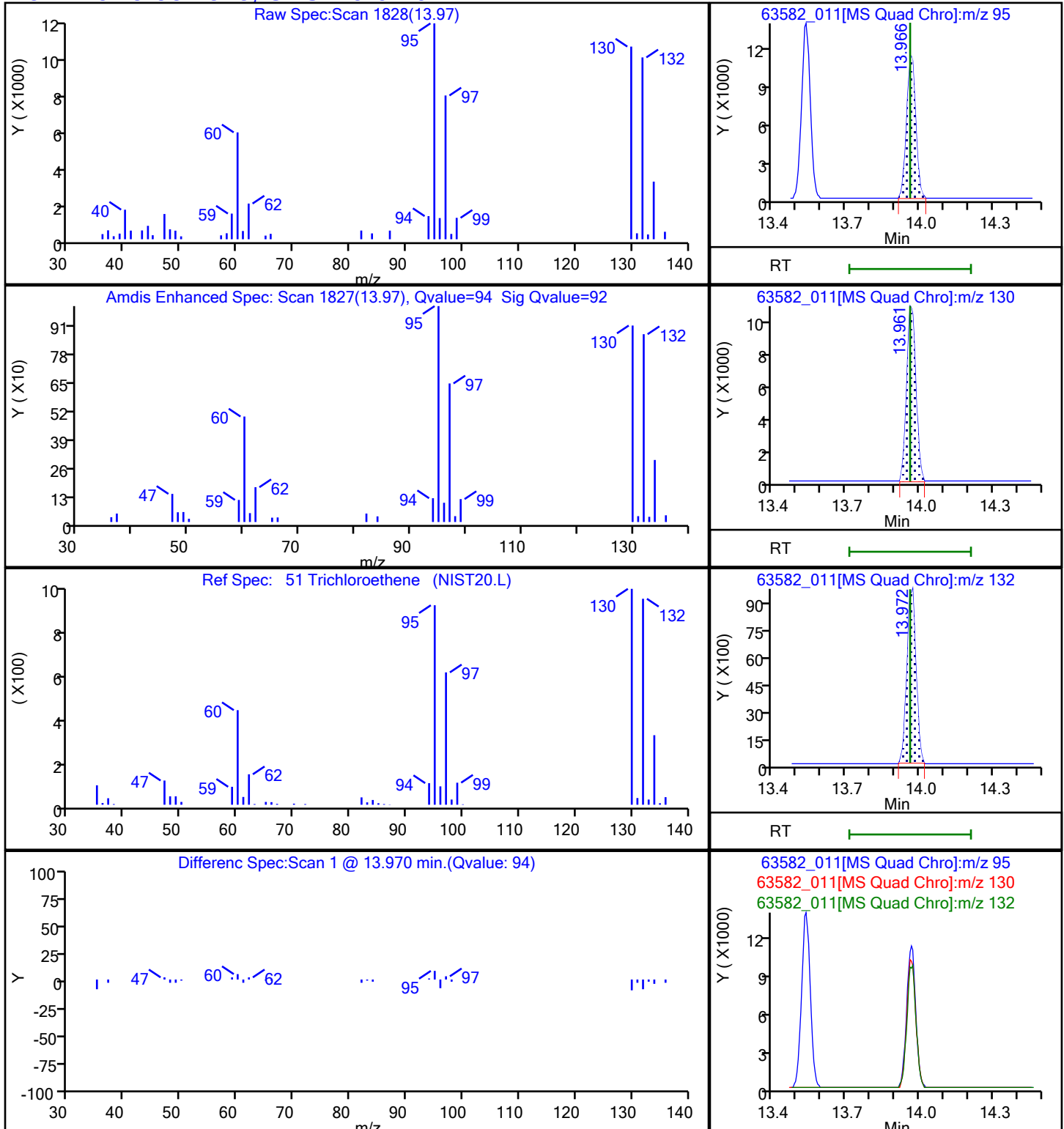
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

51 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

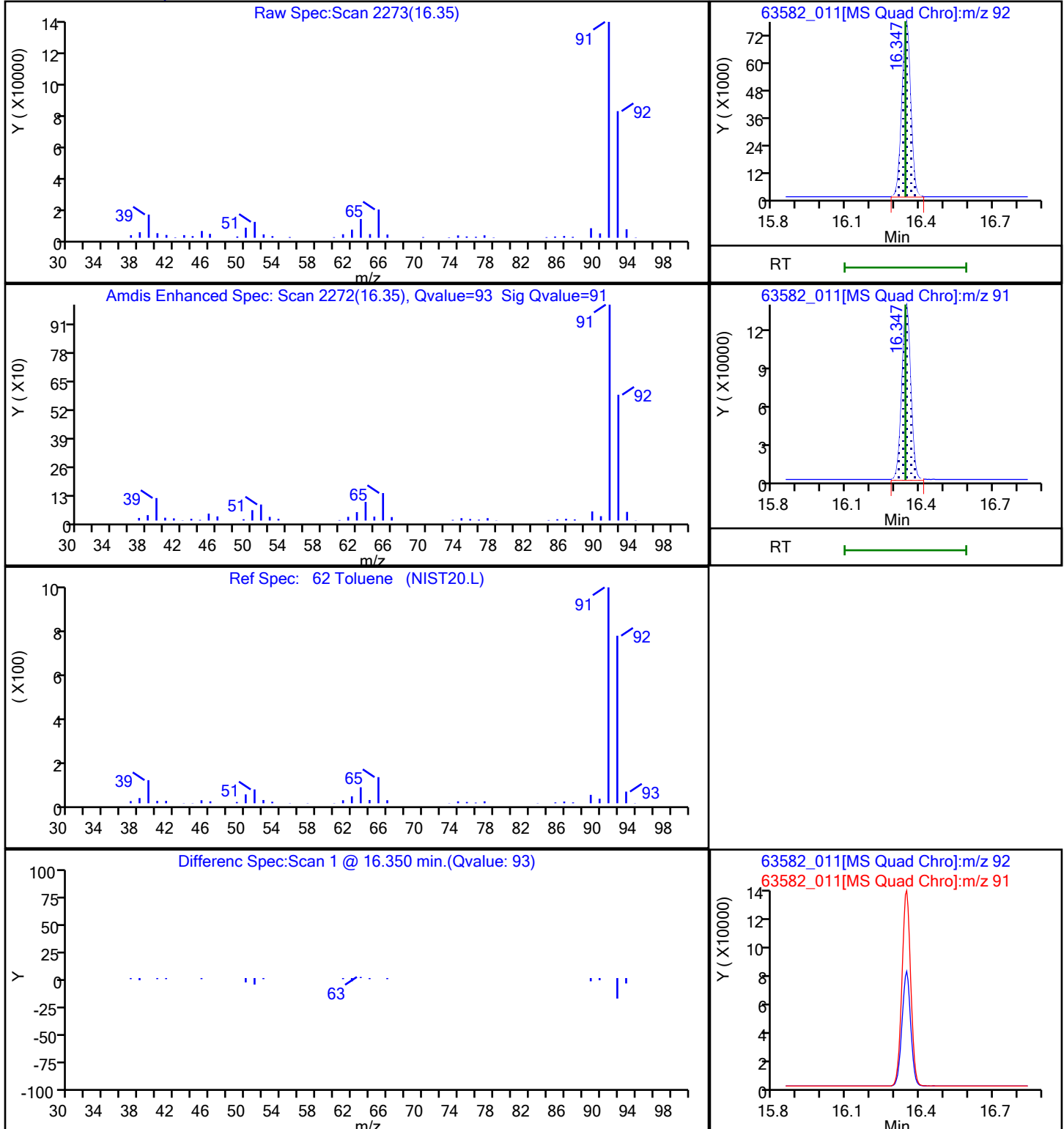
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

62 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

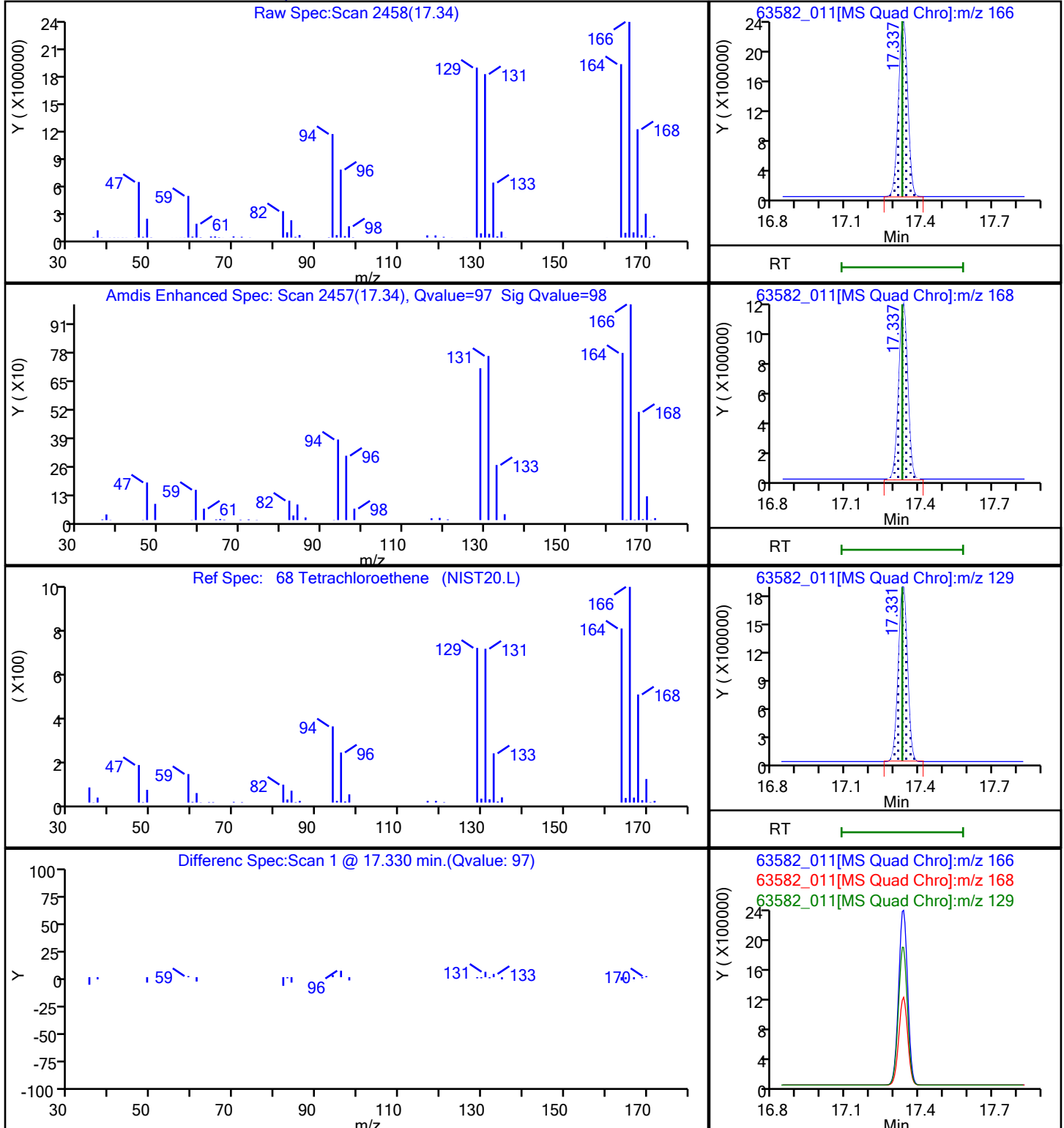
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

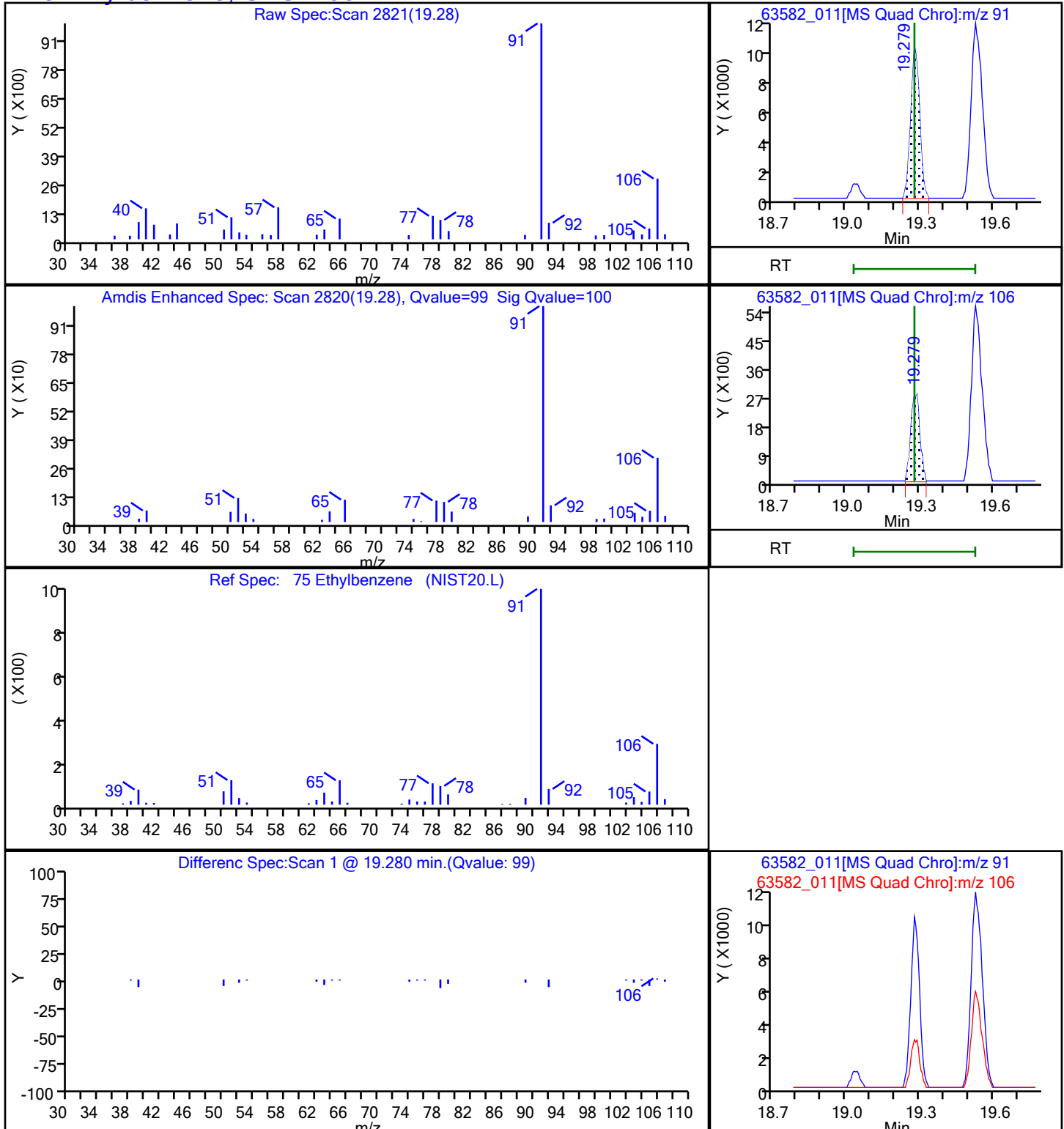
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

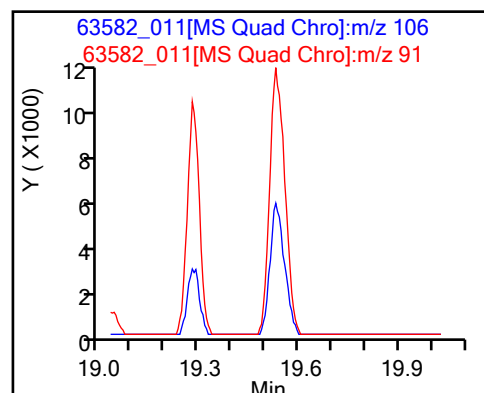
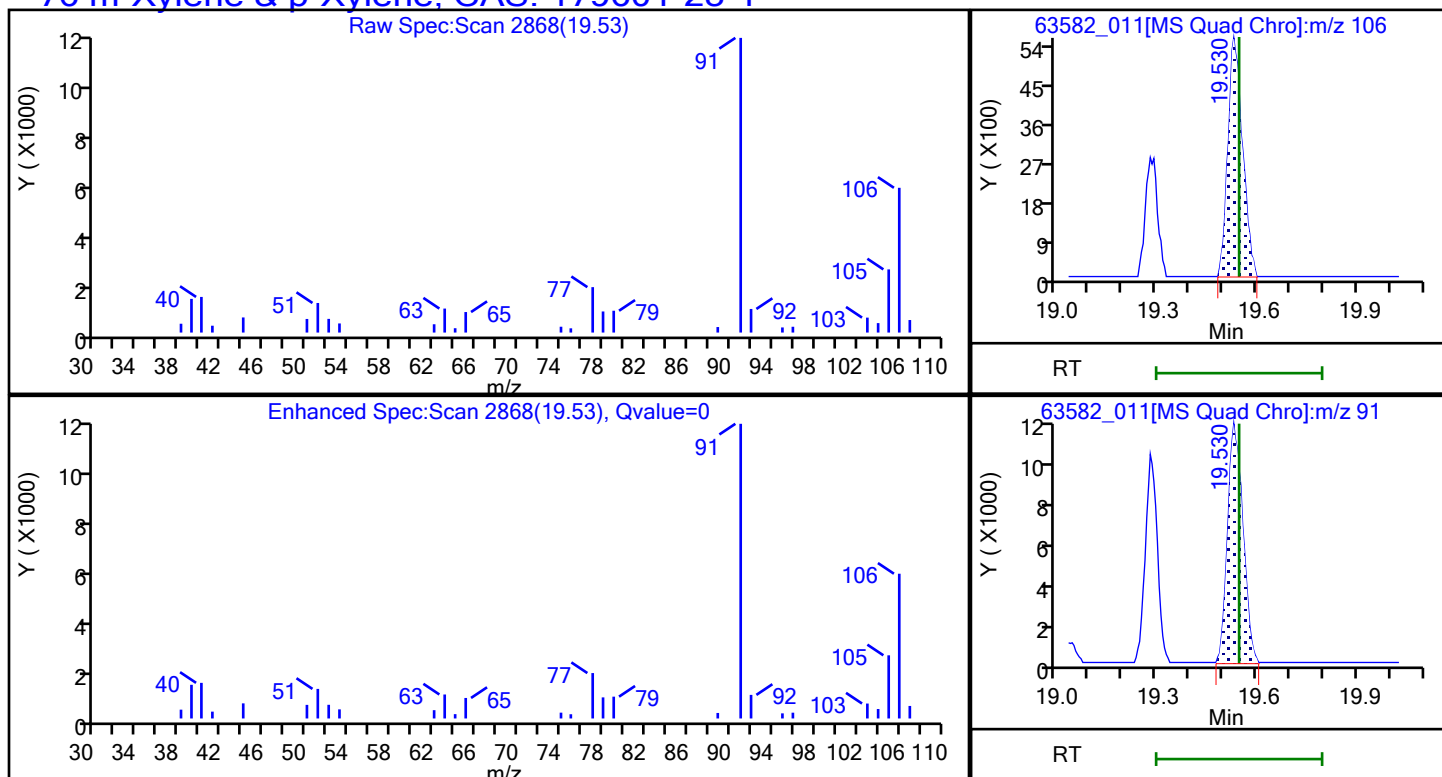
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

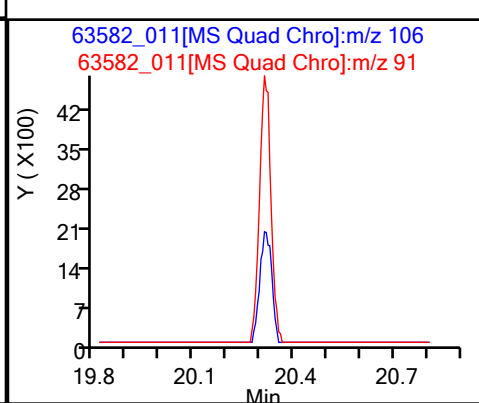
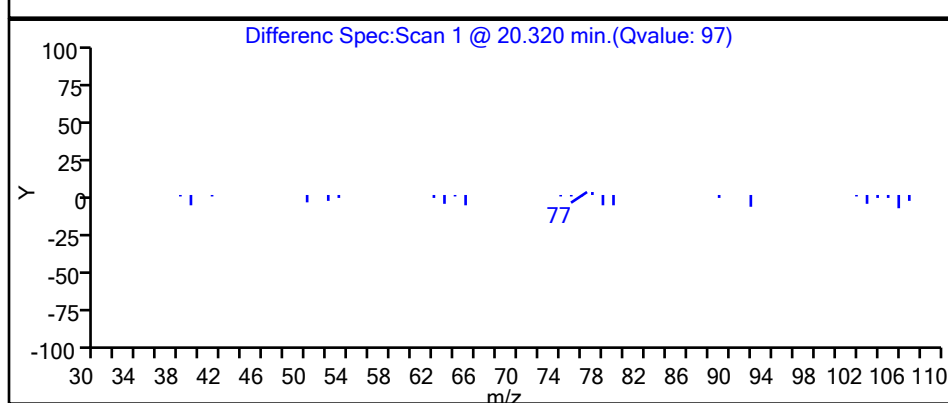
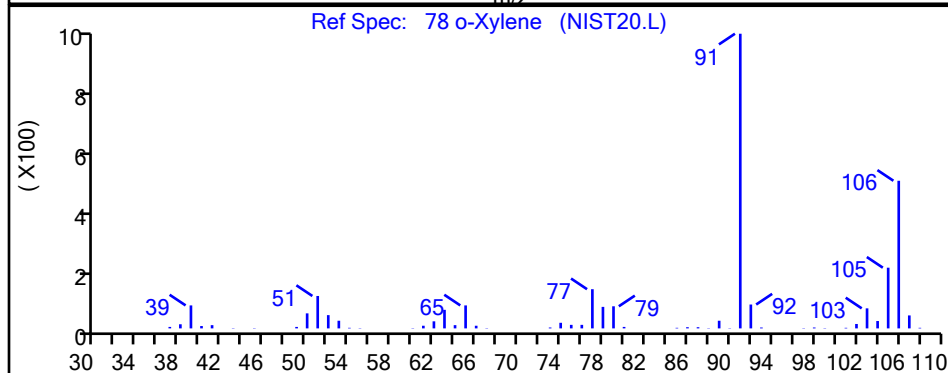
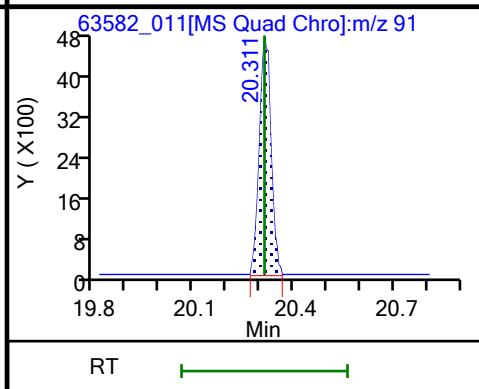
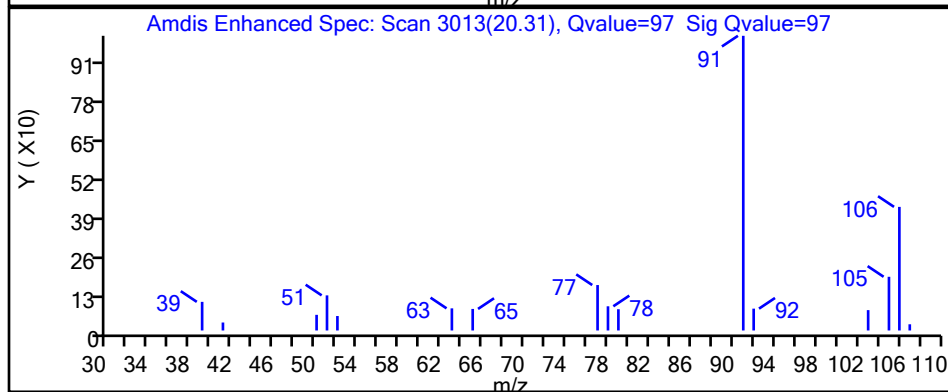
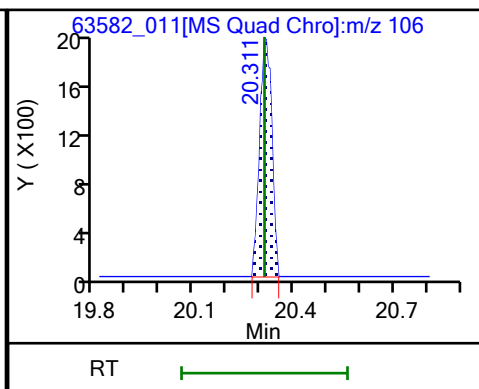
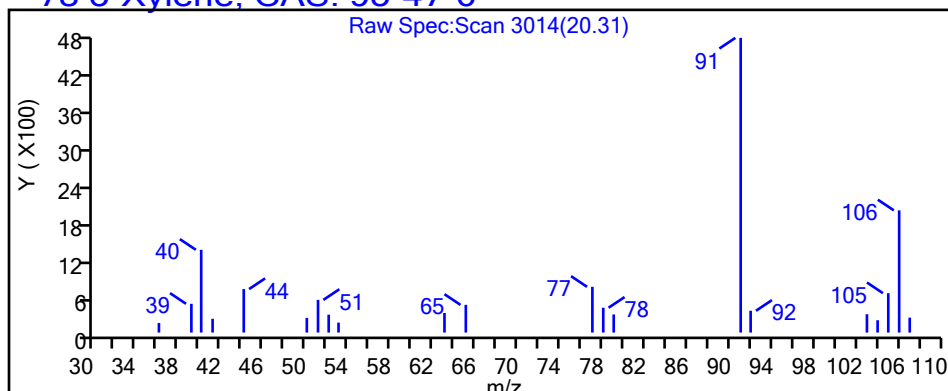
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 o-Xylene, CAS: 95-47-6



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D

Injection Date: 04-Jan-2025 17:30:45

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

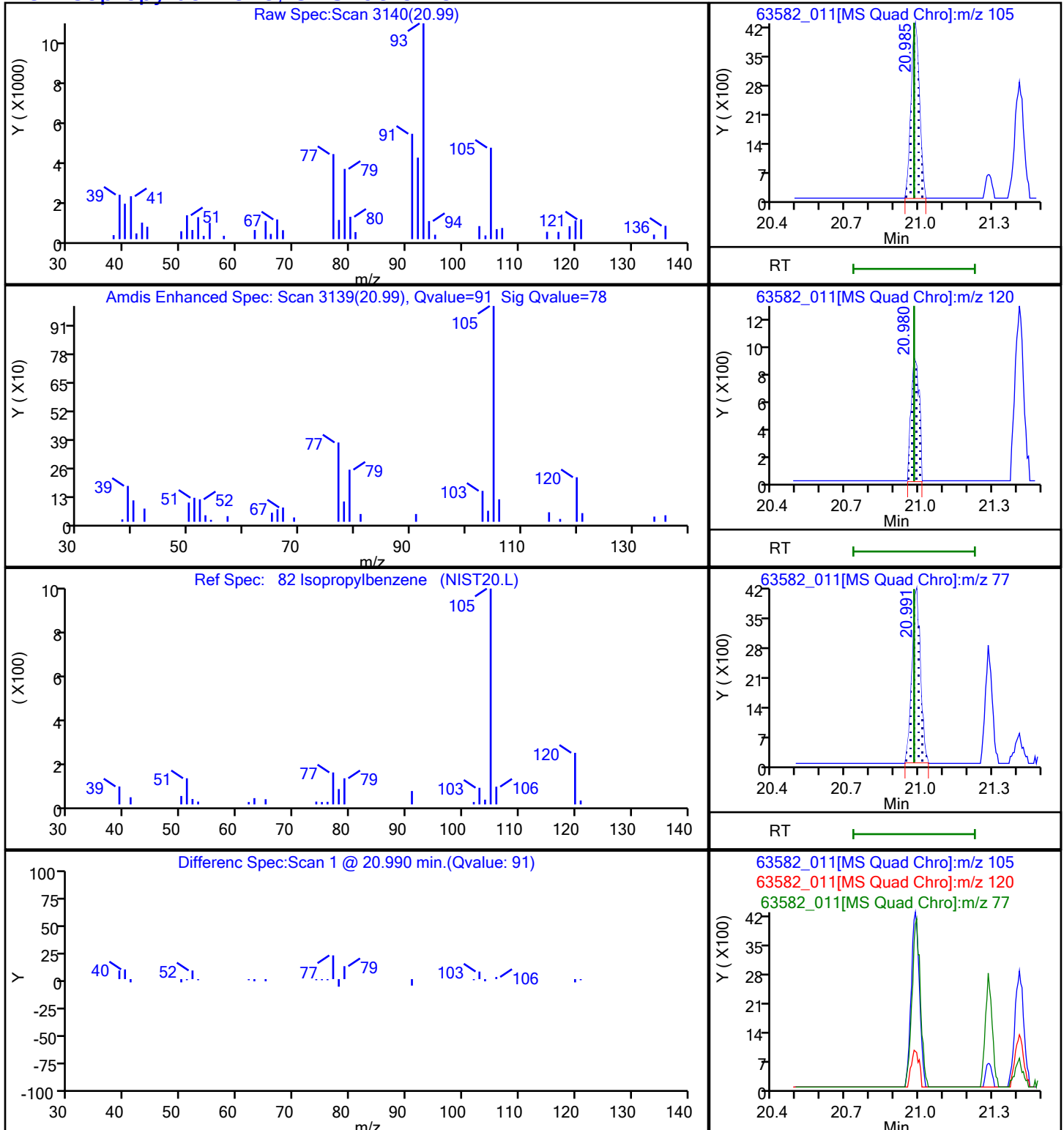
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

Eurofins Burlington

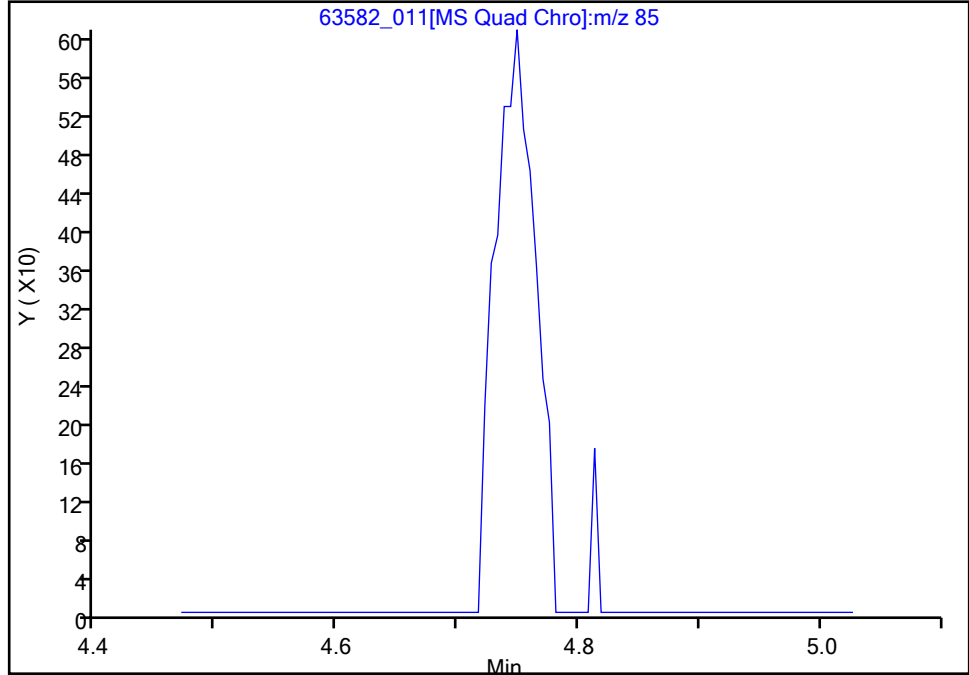
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D
Injection Date: 04-Jan-2025 17:30:45 Instrument ID: CHAM.i
Lims ID: 200-76392-A-4 Lab Sample ID: 200-76392-4
Client ID: SV122024KT004
Operator ID: vtp ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoro, CAS: 76-14-2

Signal: 1

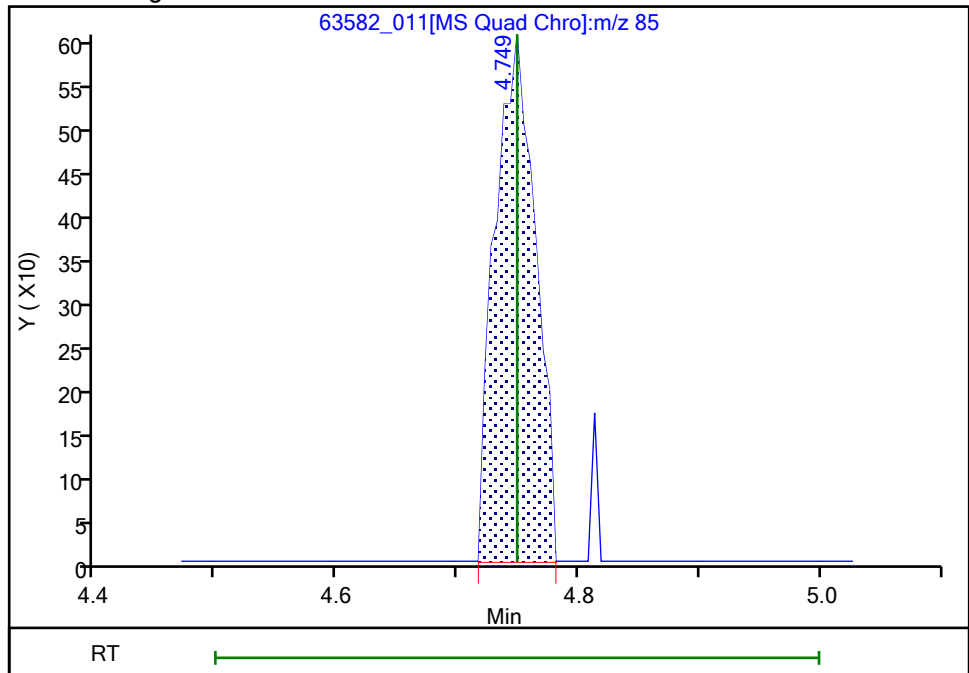
Not Detected
Expected RT: 4.75

Processing Integration Results



RT: 4.75
Area: 1411
Amount: 0.017288
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 06-Jan-2025 07:12:51 07:00:00 (UTC)

Audit Action: Manually Integrated

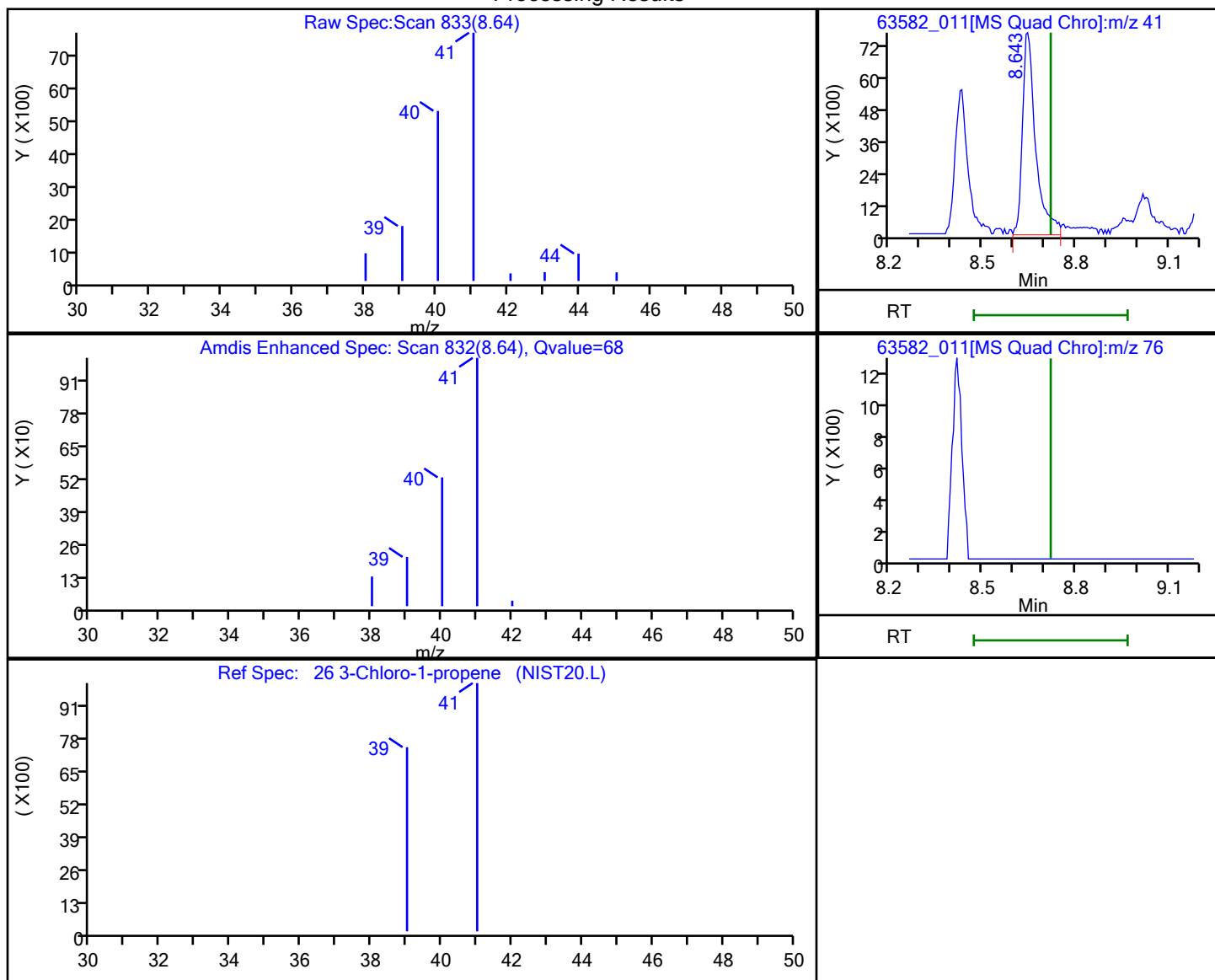
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D
Injection Date: 04-Jan-2025 17:30:45 Instrument ID: CHAM.i
Lims ID: 200-76392-A-4 Lab Sample ID: 200-76392-4
Client ID: SV122024KT004
Operator ID: vtp ALS Bottle#: 10 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

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.64	41.00	22556	0.448068
8.72	76.00	0	

Reviewer: YWL8, 06-Jan-2025 07:13:03 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

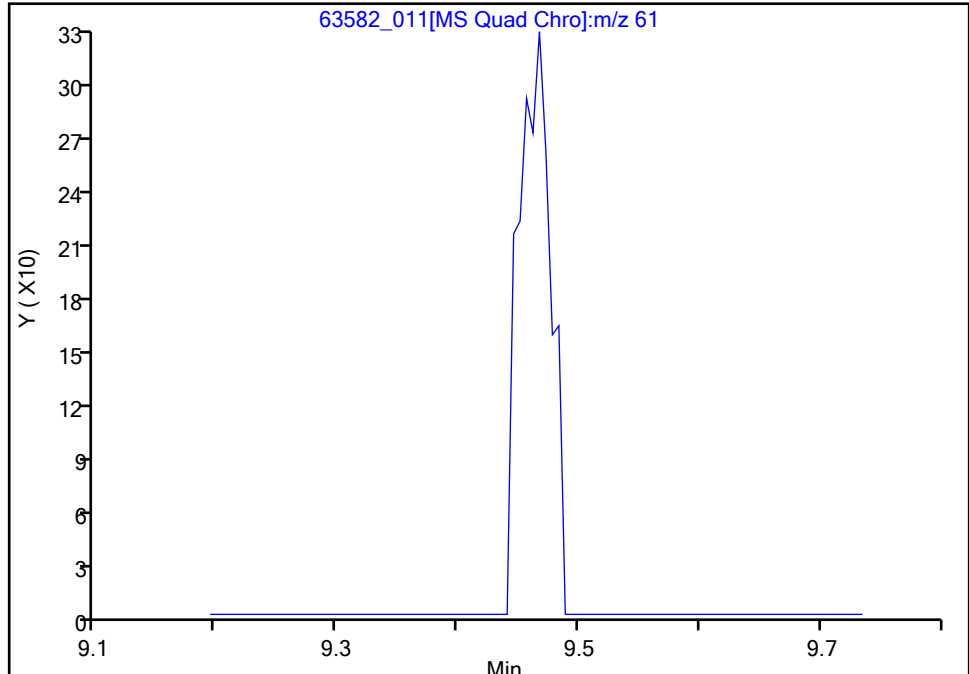
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D				
Injection Date:	04-Jan-2025 17:30:45	Instrument ID:	CHAM.i		
Lims ID:	200-76392-A-4	Lab Sample ID:	200-76392-4		
Client ID:	SV122024KT004				
Operator ID:	vtp	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

30 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

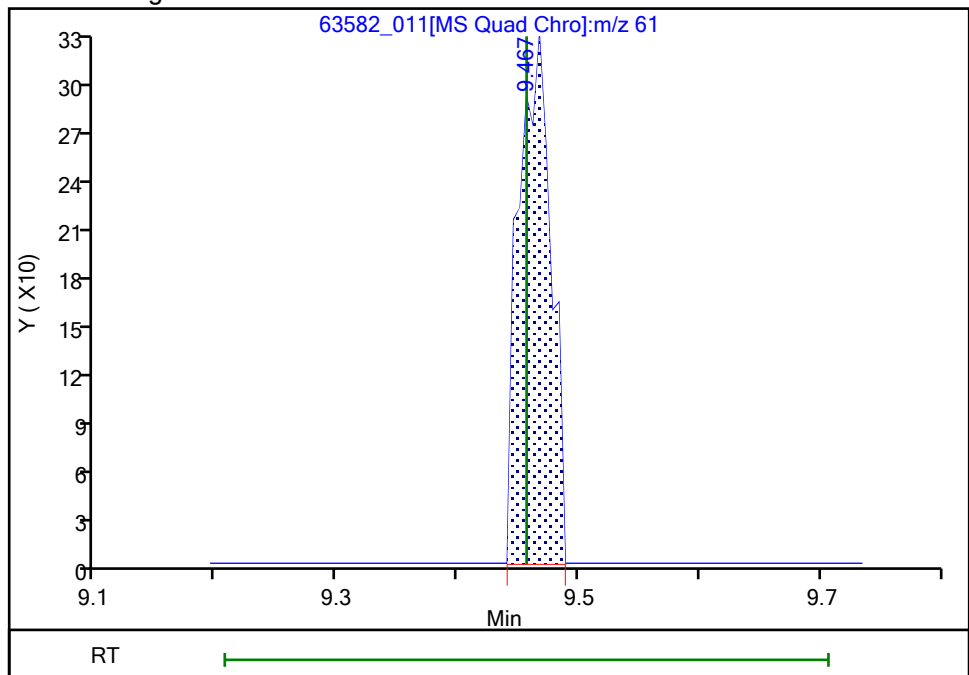
Not Detected
Expected RT: 9.46

Processing Integration Results



RT: 9.47
Area: 602
Amount: 0.010516
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 06-Jan-2025 07:13:17 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

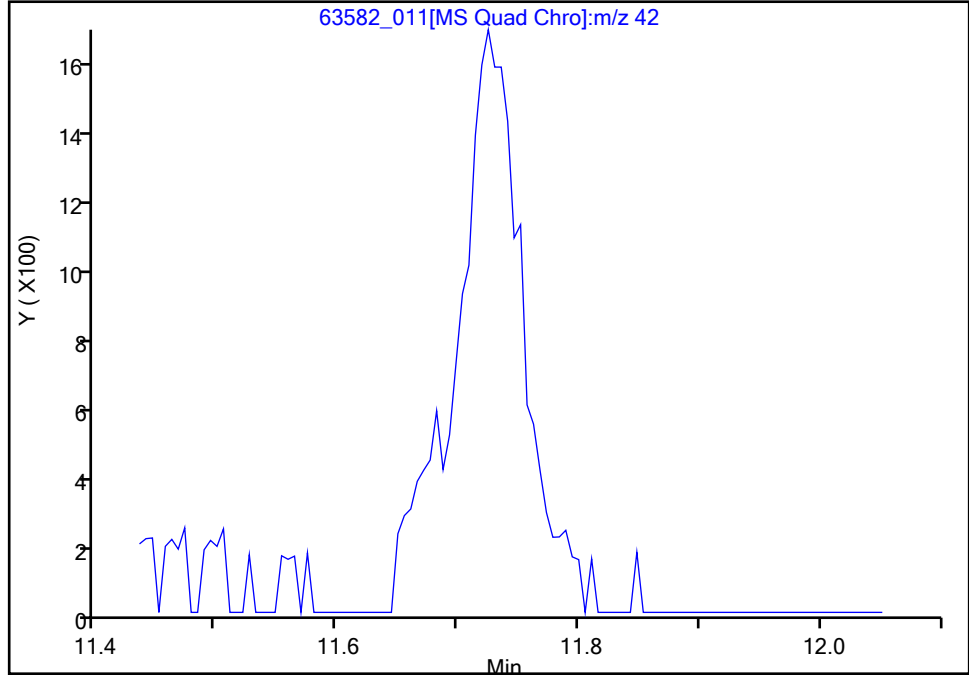
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D				
Injection Date:	04-Jan-2025 17:30:45	Instrument ID:	CHAM.i		
Lims ID:	200-76392-A-4	Lab Sample ID:	200-76392-4		
Client ID:	SV122024KT004				
Operator ID:	vtp	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

40 Tetrahydrofuran, CAS: 109-99-9

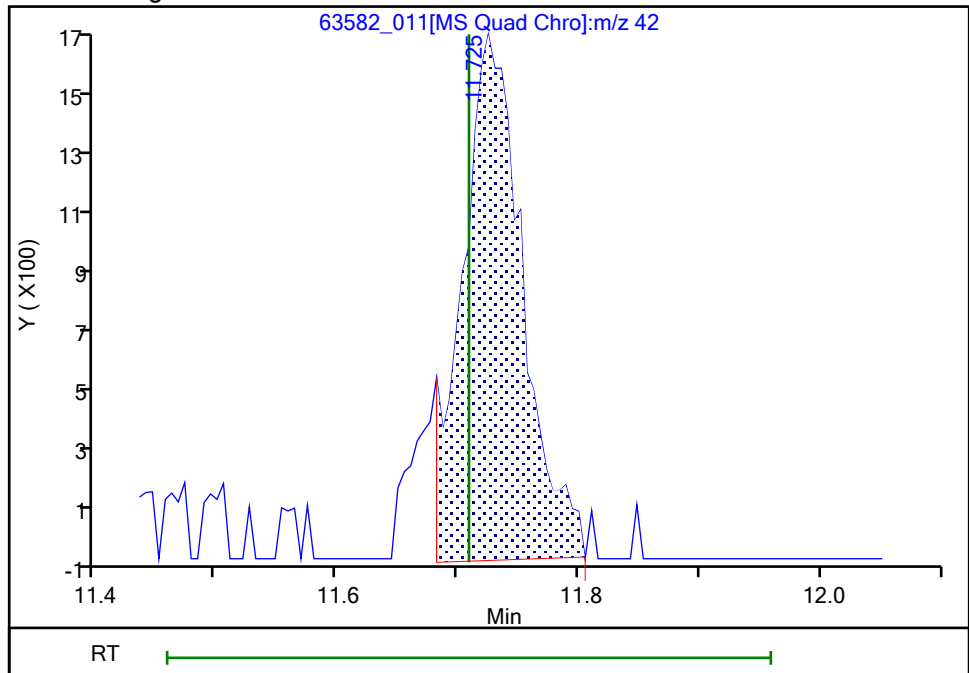
Signal: 1

Not Detected
Expected RT: 11.71

Processing Integration Results

RT: 11.72
Area: 5869
Amount: 0.126987
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 06-Jan-2025 07:13:29 07:00:00 (UTC)

Audit Action: Manually Integrated

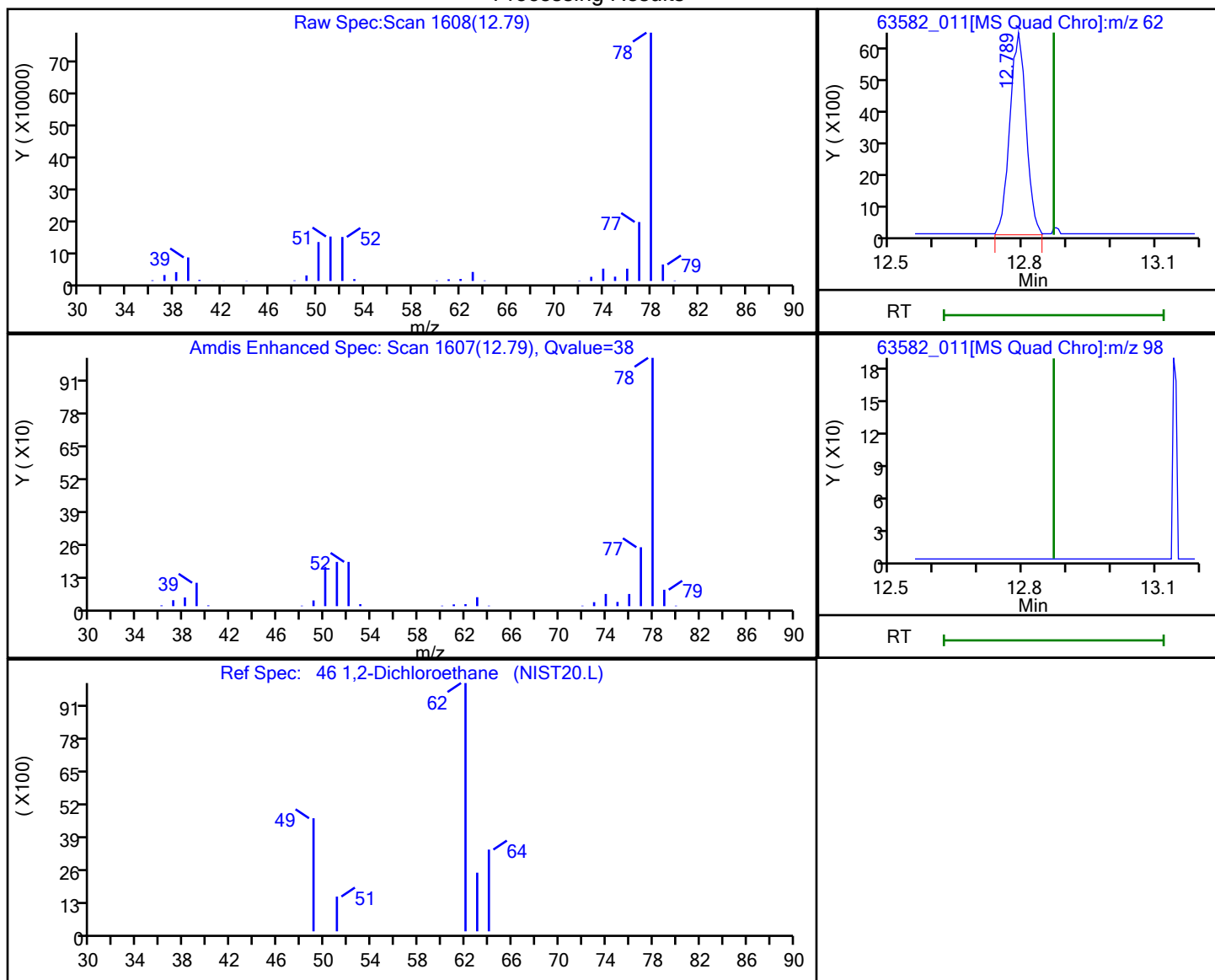
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D
Injection Date: 04-Jan-2025 17:30:45 Instrument ID: CHAM.i
Lims ID: 200-76392-A-4 Lab Sample ID: 200-76392-4
Client ID: SV122024KT004
Operator ID: vtp ALS Bottle#: 10 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

46 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
12.79	62.00	16573	0.307424
12.87	98.00	0	

Reviewer: YWL8, 06-Jan-2025 07:13:41 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

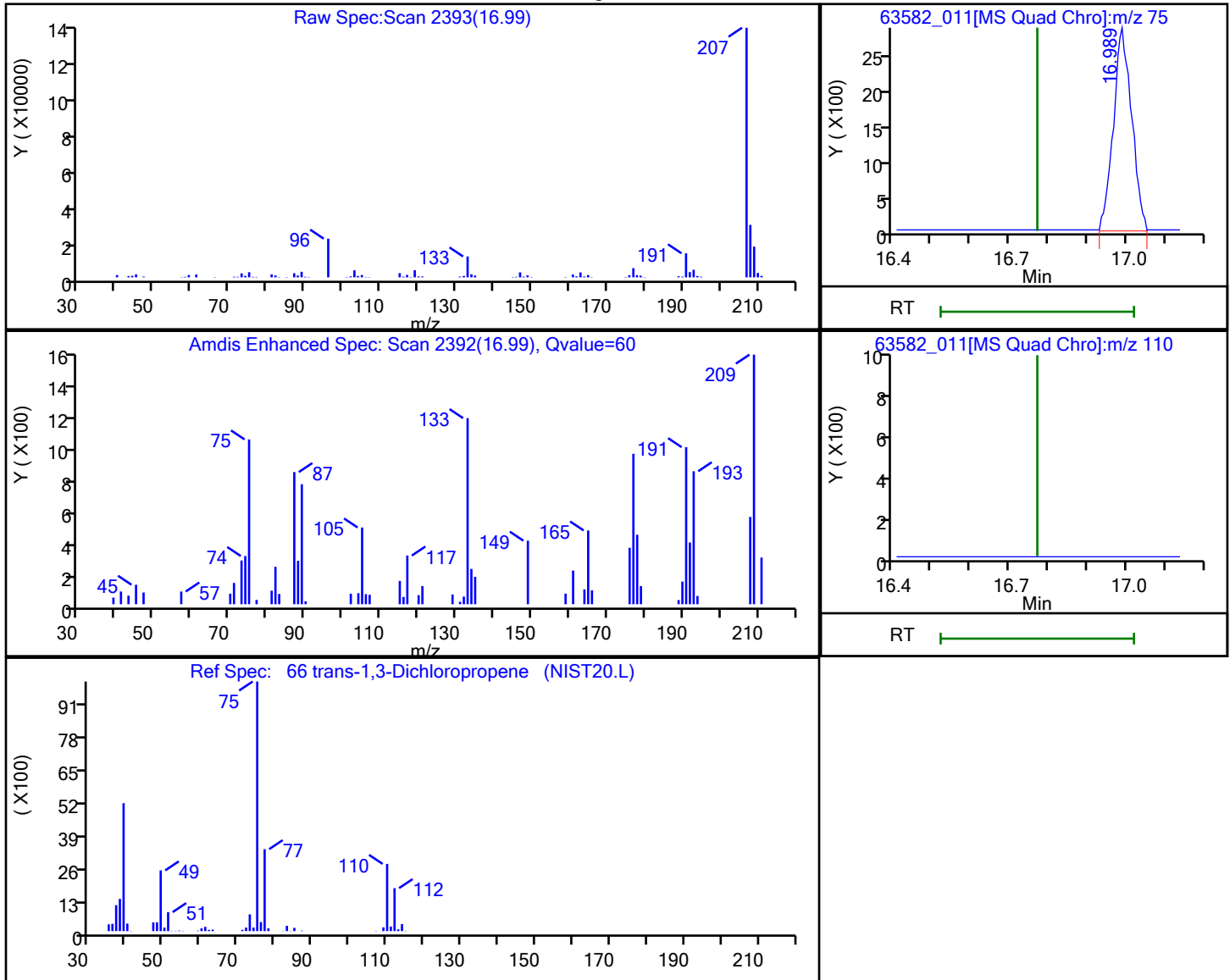
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D
Injection Date: 04-Jan-2025 17:30:45 Instrument ID: CHAM.i
Lims ID: 200-76392-A-4 Lab Sample ID: 200-76392-4
Client ID: SV122024KT004
Operator ID: vtp ALS Bottle#: 10 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

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
16.99	75.00	9243	0.153750
16.77	110.00	0	

Reviewer: YWL8, 06-Jan-2025 07:13:50 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

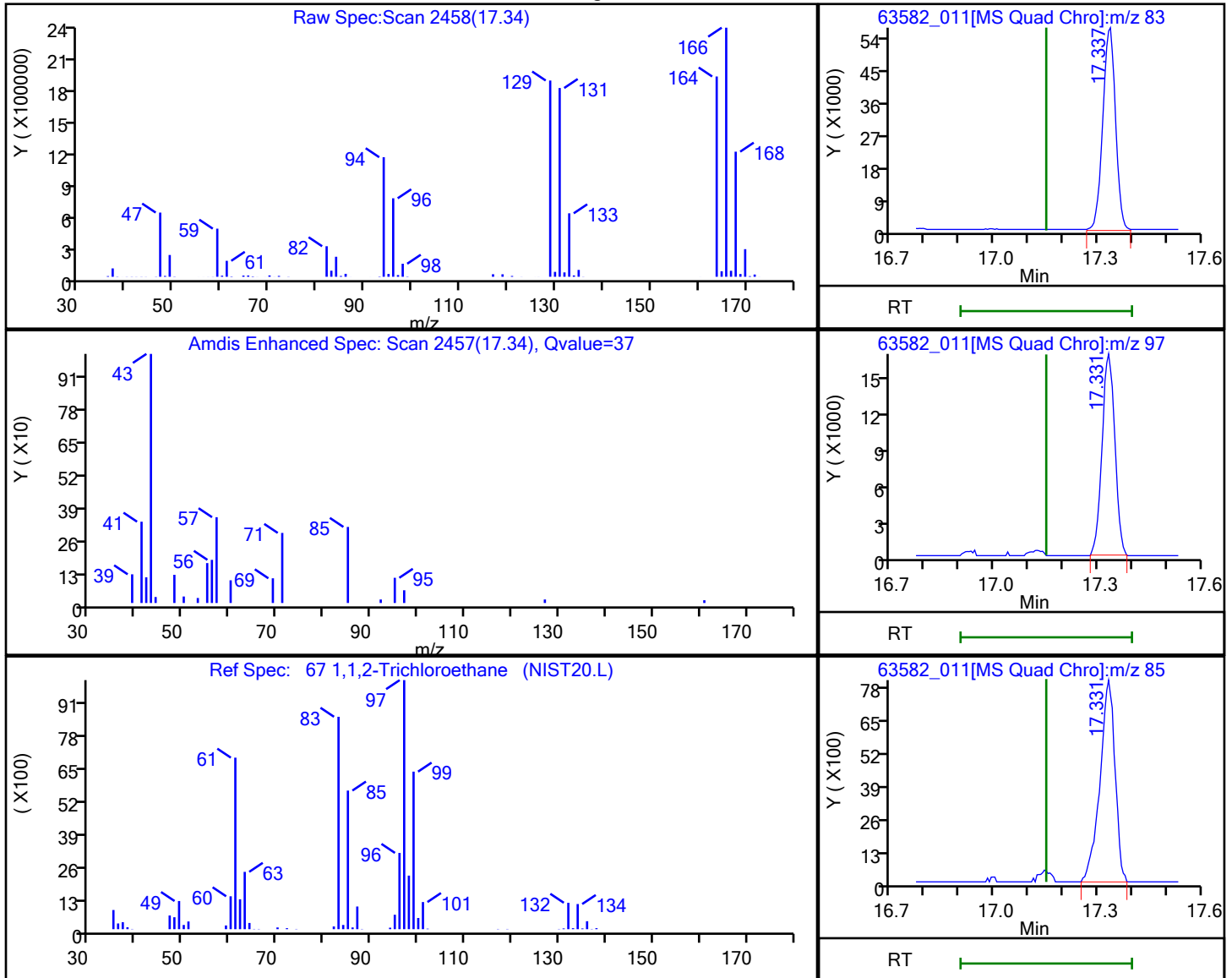
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D
Injection Date: 04-Jan-2025 17:30:45 Instrument ID: CHAM.i
Lims ID: 200-76392-A-4 Lab Sample ID: 200-76392-4
Client ID: SV122024KT004
Operator ID: vtp ALS Bottle#: 10 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

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.34	83.00	144731	3.241579
17.33	97.00	44032	
17.33	85.00	24500	

Reviewer: YWL8, 06-Jan-2025 07:13:52 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

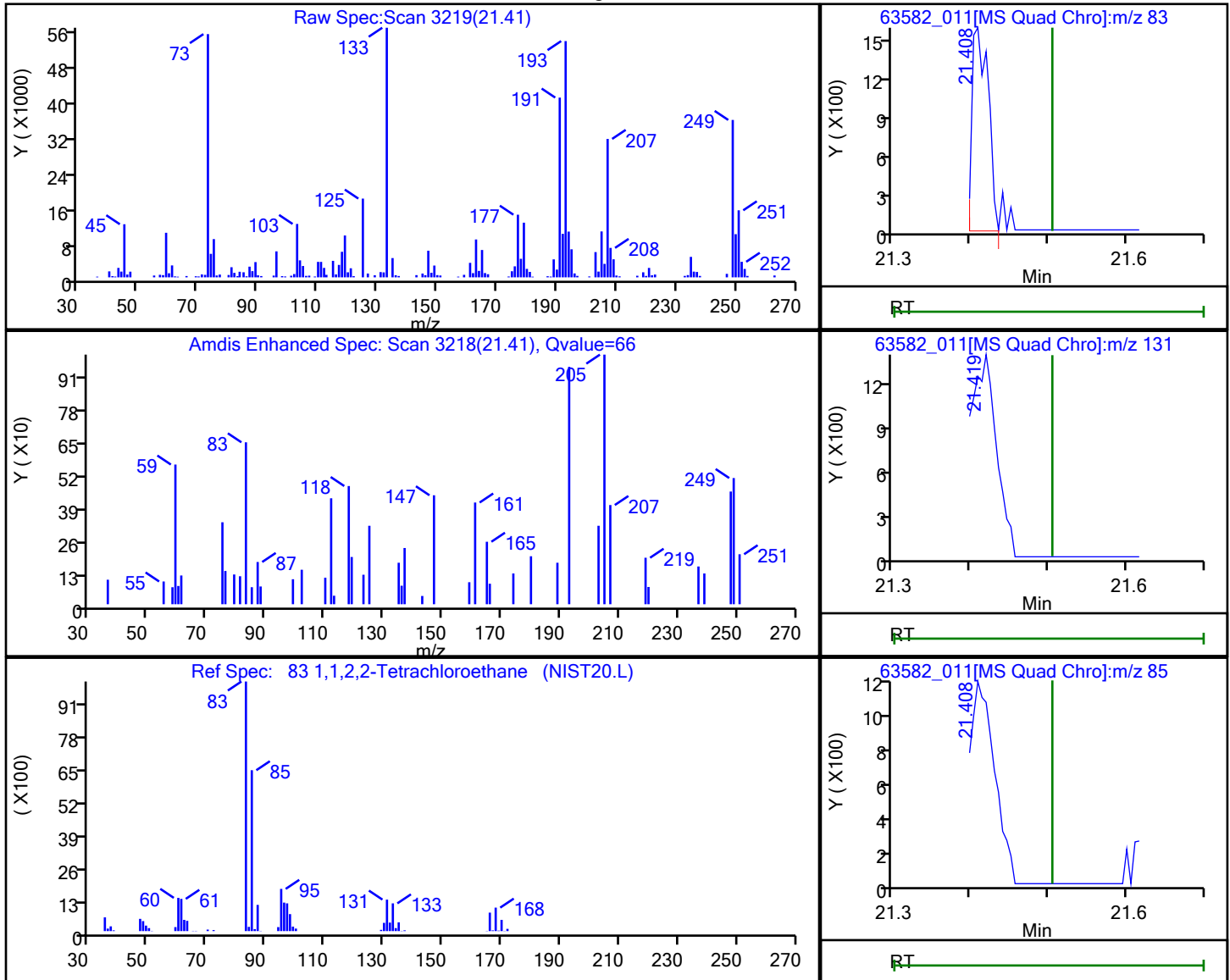
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_011.D
Injection Date: 04-Jan-2025 17:30:45 Instrument ID: CHAM.i
Lims ID: 200-76392-A-4 Lab Sample ID: 200-76392-4
Client ID: SV122024KT004
Operator ID: vtp ALS Bottle#: 10 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

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.41	83.00	2238	0.019051
21.42	131.00	3440	
21.41	85.00	2933	

Reviewer: YWL8, 06-Jan-2025 07:15:08 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004 DL</u>	Lab Sample ID: <u>200-76392-4 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_012.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>40 (mL)</u>	Date Analyzed: <u>01/04/2025 18:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	12	U	12	2.7
75-45-6	Chlorodifluoromethane	86.47	8.8	U	8.8	2.1
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	7.0	U	7.0	1.7
74-87-3	Chloromethane	50.49	5.2	U	5.2	1.5
106-97-8	n-Butane	58.12	5.9	U	5.9	2.4
75-01-4	Vinyl chloride	62.50	1.0	U	1.0	0.27
106-99-0	1,3-Butadiene	54.09	2.2	U	2.2	0.43
74-83-9	Bromomethane	94.94	3.9	U	3.9	1.4
75-00-3	Chloroethane	64.52	6.6	U	6.6	2.4
593-60-2	Bromoethene (Vinyl Bromide)	106.96	4.4	U	4.4	1.1
75-69-4	Trichlorofluoromethane	137.37	1.5	J D	5.6	1.4
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	7.7	U	7.7	2.0
75-35-4	1,1-Dichloroethene	96.94	1.0	U	1.0	0.52
64-17-5	Ethanol	46.07	47	U	47	24
67-64-1	Acetone	58.08	59	U	59	19
67-63-0	Isopropyl alcohol	60.10	61	U	61	20
75-15-0	Carbon disulfide	76.14	7.8	U	7.8	2.0
107-05-1	3-Chloropropene	76.53	7.8	U	7.8	1.9
75-09-2	Methylene Chloride	84.93	8.7	U	8.7	3.1
75-65-0	tert-Butyl alcohol	74.12	76	U	76	18
1634-04-4	Methyl tert-butyl ether	88.15	3.6	U	3.6	0.65
156-60-5	trans-1,2-Dichloroethene	96.94	4.0	U	4.0	0.46
110-54-3	n-Hexane	86.17	8.8	U	8.8	1.9
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.51
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	7.4	U	7.4	7.2
156-59-2	cis-1,2-Dichloroethene	96.94	1.0	U	1.0	0.42
67-66-3	Chloroform	119.38	4.9	U	4.9	1.0
109-99-9	Tetrahydrofuran	72.11	74	U	74	19
71-55-6	1,1,1-Trichloroethane	133.41	3.6	J D	5.5	1.2
110-82-7	Cyclohexane	84.16	3.4	U	3.4	1.0

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004 DL</u>	Lab Sample ID: <u>200-76392-4 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_012.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>40 (mL)</u>	Date Analyzed: <u>01/04/2025 18:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	1.1	U	1.1	0.69
540-84-1	2,2,4-Trimethylpentane	114.23	4.7	U	4.7	0.89
71-43-2	Benzene	78.11	54	D	3.2	0.70
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	1.9
142-82-5	n-Heptane	100.21	4.1	U	4.1	1.1
79-01-6	Trichloroethene	131.39	2.9	D	1.0	0.67
80-62-6	Methyl methacrylate	100.12	10	U	10	2.9
78-87-5	1,2-Dichloropropane	112.99	4.6	U	4.6	2.2
123-91-1	1,4-Dioxane	88.11	90	U	90	1.5
75-27-4	Bromodichloromethane	163.83	6.7	U	6.7	1.7
10061-01-5	cis-1,3-Dichloropropene	110.97	4.5	U	4.5	1.0
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	10	U	10	2.7
108-88-3	Toluene	92.14	8.0	D	3.8	1.2
10061-02-6	trans-1,3-Dichloropropene	110.97	4.5	U	4.5	1.2
79-00-5	1,1,2-Trichloroethane	133.41	5.5	U	5.5	2.0
127-18-4	Tetrachloroethene	165.83	700	D	6.8	0.71
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	3.1
124-48-1	Dibromochloromethane	208.28	8.5	U	8.5	2.7
106-93-4	1,2-Dibromoethane	187.87	7.7	U	7.7	1.6
108-90-7	Chlorobenzene	112.56	4.6	U	4.6	1.0
100-41-4	Ethylbenzene	106.17	4.3	U	4.3	1.5
179601-23-1	m,p-Xylene	106.17	11	U	11	2.1
95-47-6	o-Xylene	106.17	4.3	U	4.3	1.4
100-42-5	Styrene	104.15	4.3	U	4.3	1.3
75-25-2	Bromoform	252.75	10	U	10	6.2
98-82-8	Cumene	120.19	4.9	U	4.9	1.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	6.9	U	6.9	1.5
103-65-1	n-Propylbenzene	120.19	4.9	U	4.9	1.2
622-96-8	4-Ethyltoluene	120.20	4.9	U	4.9	1.2
108-67-8	1,3,5-Trimethylbenzene	120.20	4.9	U	4.9	1.2

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004 DL</u>	Lab Sample ID: <u>200-76392-4 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_012.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>40 (mL)</u>	Date Analyzed: <u>01/04/2025 18:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	5.2	U	5.2	1.2
98-06-6	tert-Butylbenzene	134.22	5.5	U	5.5	1.3
95-63-6	1,2,4-Trimethylbenzene	120.20	4.9	U	4.9	2.0
135-98-8	sec-Butylbenzene	134.22	5.5	U	5.5	1.2
99-87-6	4-Isopropyltoluene	134.22	5.5	U	5.5	1.7
541-73-1	1,3-Dichlorobenzene	147.00	6.0	U	6.0	2.2
106-46-7	1,4-Dichlorobenzene	147.00	6.0	U	6.0	2.7
100-44-7	Benzyl chloride	126.58	5.2	U	5.2	2.3
104-51-8	n-Butylbenzene	134.22	5.5	U	5.5	3.0
95-50-1	1,2-Dichlorobenzene	147.00	6.0	U	6.0	2.0
120-82-1	1,2,4-Trichlorobenzene	181.45	19	U	19	12
87-68-3	Hexachlorobutadiene	260.76	11	U	11	5.9
91-20-3	Naphthalene	128.17	13	U	13	7.9

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004 DL</u>	Lab Sample ID: <u>200-76392-4 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_012.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>40 (mL)</u>	Date Analyzed: <u>01/04/2025 18:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.55
75-45-6	Chlorodifluoromethane	86.47	2.5	U	2.5	0.60
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.0	U	1.0	0.24
74-87-3	Chloromethane	50.49	2.5	U	2.5	0.75
106-97-8	n-Butane	58.12	2.5	U	2.5	1.0
75-01-4	Vinyl chloride	62.50	0.39	U	0.39	0.11
106-99-0	1,3-Butadiene	54.09	1.0	U	1.0	0.20
74-83-9	Bromomethane	94.94	1.0	U	1.0	0.36
75-00-3	Chloroethane	64.52	2.5	U	2.5	0.90
593-60-2	Bromoethene (Vinyl Bromide)	106.96	1.0	U	1.0	0.25
75-69-4	Trichlorofluoromethane	137.37	0.27	J D	1.0	0.25
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.0	U	1.0	0.27
75-35-4	1,1-Dichloroethene	96.94	0.25	U	0.25	0.13
64-17-5	Ethanol	46.07	25	U	25	13
67-64-1	Acetone	58.08	25	U	25	8.0
67-63-0	Isopropyl alcohol	60.10	25	U	25	8.0
75-15-0	Carbon disulfide	76.14	2.5	U	2.5	0.65
107-05-1	3-Chloropropene	76.53	2.5	U	2.5	0.60
75-09-2	Methylene Chloride	84.93	2.5	U	2.5	0.90
75-65-0	tert-Butyl alcohol	74.12	25	U	25	6.0
1634-04-4	Methyl tert-butyl ether	88.15	1.0	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	96.94	1.0	U	1.0	0.12
110-54-3	n-Hexane	86.17	2.5	U	2.5	0.55
75-34-3	1,1-Dichloroethane	98.96	1.0	U	1.0	0.13
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.5	U	2.5	2.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.25	U	0.25	0.11
67-66-3	Chloroform	119.38	1.0	U	1.0	0.21
109-99-9	Tetrahydrofuran	72.11	25	U	25	6.5
71-55-6	1,1,1-Trichloroethane	133.41	0.66	J D	1.0	0.22
110-82-7	Cyclohexane	84.16	1.0	U	1.0	0.29

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004 DL</u>	Lab Sample ID: <u>200-76392-4 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_012.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>40 (mL)</u>	Date Analyzed: <u>01/04/2025 18:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.17	U	0.17	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	1.0	U	1.0	0.19
71-43-2	Benzene	78.11	17	D	1.0	0.22
107-06-2	1,2-Dichloroethane	98.96	1.0	U	1.0	0.47
142-82-5	n-Heptane	100.21	1.0	U	1.0	0.28
79-01-6	Trichloroethene	131.39	0.55	D	0.19	0.13
80-62-6	Methyl methacrylate	100.12	2.5	U	2.5	0.70
78-87-5	1,2-Dichloropropane	112.99	1.0	U	1.0	0.47
123-91-1	1,4-Dioxane	88.11	25	U	25	0.41
75-27-4	Bromodichloromethane	163.83	1.0	U	1.0	0.25
10061-01-5	cis-1,3-Dichloropropene	110.97	1.0	U	1.0	0.23
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.5	U	2.5	0.65
108-88-3	Toluene	92.14	2.1	D	1.0	0.31
10061-02-6	trans-1,3-Dichloropropene	110.97	1.0	U	1.0	0.27
79-00-5	1,1,2-Trichloroethane	133.41	1.0	U	1.0	0.37
127-18-4	Tetrachloroethene	165.83	100	D	1.0	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.5	U	2.5	0.75
124-48-1	Dibromochloromethane	208.28	1.0	U	1.0	0.32
106-93-4	1,2-Dibromoethane	187.87	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	112.56	1.0	U	1.0	0.22
100-41-4	Ethylbenzene	106.17	1.0	U	1.0	0.35
179601-23-1	m,p-Xylene	106.17	2.5	U	2.5	0.48
95-47-6	o-Xylene	106.17	1.0	U	1.0	0.32
100-42-5	Styrene	104.15	1.0	U	1.0	0.30
75-25-2	Bromoform	252.75	1.0	U	1.0	0.60
98-82-8	Cumene	120.19	1.0	U	1.0	0.21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.0	U	1.0	0.22
103-65-1	n-Propylbenzene	120.19	1.0	U	1.0	0.24
622-96-8	4-Ethyltoluene	120.20	1.0	U	1.0	0.25
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0	U	1.0	0.24

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT004 DL</u>	Lab Sample ID: <u>200-76392-4 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_012.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:51</u>
Sample wt/vol: <u>40 (mL)</u>	Date Analyzed: <u>01/04/2025 18:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.23
98-06-6	tert-Butylbenzene	134.22	1.0	U	1.0	0.24
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0	U	1.0	0.40
135-98-8	sec-Butylbenzene	134.22	1.0	U	1.0	0.23
99-87-6	4-Isopropyltoluene	134.22	1.0	U	1.0	0.31
541-73-1	1,3-Dichlorobenzene	147.00	1.0	U	1.0	0.37
106-46-7	1,4-Dichlorobenzene	147.00	1.0	U	1.0	0.45
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.44
104-51-8	n-Butylbenzene	134.22	1.0	U	1.0	0.55
95-50-1	1,2-Dichlorobenzene	147.00	1.0	U	1.0	0.33
120-82-1	1,2,4-Trichlorobenzene	181.45	2.5	U	2.5	1.7
87-68-3	Hexachlorobutadiene	260.76	1.0	U	1.0	0.55
91-20-3	Naphthalene	128.17	2.5	U	2.5	1.5

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D
 Lims ID: 200-76392-A-4 DL
 Client ID: SV122024KT004
 Sample Type: Client
 Inject. Date: 04-Jan-2025 18:21:59 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 5.0000
 Sample Info: 200-0063582-012
 Misc. Info.: -4 dl
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 07:21:35 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1671

First Level Reviewer: YWL8

Date: 06-Jan-2025 07:21:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.369	4.374	-0.005	99	7870	0.1025	
3 Chlorodifluoromethane	51	4.428	4.422	0.006	96	2347	0.0528	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.749				ND	
5 Chloromethane	50	4.872	4.872	-0.005	93	2446	0.0930	
7 Butane	43		5.177				ND	7
6 Vinyl chloride	62		5.182				ND	
8 Butadiene	54		5.295				ND	7
9 Bromomethane	94		6.049				ND	
10 Chloroethane	64		6.327				ND	
13 Vinyl bromide	106		6.755				ND	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	97	4407	0.0548	
16 Ethanol	45	7.360	7.333	0.027	97	16140	1.00	
20 1,1-Dichloroethene	96		8.007				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.044				ND	7
22 Acetone	43	8.125	8.103	0.022	97	73482	1.30	
23 Isopropyl alcohol	45	8.435	8.408	0.027	98	27860	0.4876	
24 Carbon disulfide	76		8.413				ND	7
26 3-Chloro-1-propene	41		8.718				ND	7
27 Methylene Chloride	49		8.959				ND	7
28 2-Methyl-2-propanol	59		9.194				ND	7
30 trans-1,2-Dichloroethene	61		9.457				ND	
31 Methyl tert-butyl ether	73		9.462				ND	
32 Hexane	57	9.965	9.970	-0.005	88	2337	0.0391	
33 1,1-Dichloroethane	63		10.248				ND	
36 2-Butanone (MEK)	72	11.276	11.238	0.038	91	2680	0.1357	
37 cis-1,2-Dichloroethene	96		11.260				ND	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	98	245000	10.0	
40 Tetrahydrofuran	42		11.709				ND	
41 Chloroform	83	11.870	11.870	0.011	93	1538	0.0190	7M
42 1,1,1-Trichloroethane	97	12.153	12.153	0.000	97	9817	0.1327	
43 Cyclohexane	84	12.287	12.287	0.000	80	536	0.0112	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.426	12.431	-0.005	77	480	0.006630	
45 Benzene	78	12.790	12.790	0.000	97	394499	3.36	
46 1,2-Dichloroethane	62		12.870				ND	MU
47 Isooctane	57	12.988	12.988	-0.005	67	3631	0.0192	M
48 n-Heptane	43	13.309	13.303	0.006	86	3486	0.0505	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1162755	10.0	
51 Trichloroethene	95	13.967	13.961	0.006	93	5538	0.1091	
53 1,2-Dichloropropane	63		14.432				ND	
54 Methyl methacrylate	69		14.512				ND	
55 1,4-Dioxane	88		14.560				ND	
58 Dichlorobromomethane	83		14.908				ND	
59 cis-1,3-Dichloropropene	75		15.705				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.978				ND	7
62 Toluene	92	16.347	16.342	0.005	92	32030	0.4229	
66 trans-1,3-Dichloropropene	75		16.770				ND	MU
67 1,1,2-Trichloroethane	83		17.150				ND	MU
68 Tetrachloroethene	166	17.332	17.331	0.001	94	1115587	20.7	
69 2-Hexanone	43		17.562				ND	7
70 Chlorodibromomethane	129		17.888				ND	
71 Ethylene Dibromide	107		18.129				ND	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	90	1042375	10.0	
74 Chlorobenzene	112		19.097				ND	
75 Ethylbenzene	91	19.279	19.279	0.000	96	4423	0.0262	
76 m-Xylene & p-Xylene	106	19.525	19.530	-0.021	0	2831	0.0462	
78 o-Xylene	106	20.312	20.311	0.001	89	728	0.0127	
79 Styrene	104		20.349				ND	
81 Bromoform	173		20.691				ND	
82 Isopropylbenzene	105		20.980				ND	7
83 1,1,2,2-Tetrachloroethane	83		21.504				ND	7
85 N-Propylbenzene	91		21.681				ND	
86 2-Chlorotoluene	91		21.831				ND	
87 4-Ethyltoluene	105		21.873				ND	
88 1,3,5-Trimethylbenzene	105		21.964				ND	
91 tert-Butylbenzene	119		22.441				ND	
92 1,2,4-Trimethylbenzene	105		22.526				ND	
93 sec-Butylbenzene	105		22.762				ND	
94 1,3-Dichlorobenzene	146		22.938				ND	
95 4-Isopropyltoluene	119		22.970				ND	
96 1,4-Dichlorobenzene	146		23.077				ND	
97 Benzyl chloride	91		23.232				ND	
98 n-Butylbenzene	91		23.537				ND	
99 1,2-Dichlorobenzene	146		23.580				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.324				ND	
104 Naphthalene	128		26.576				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Worklist Smp#: 12

Client ID: SV122024KT004

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

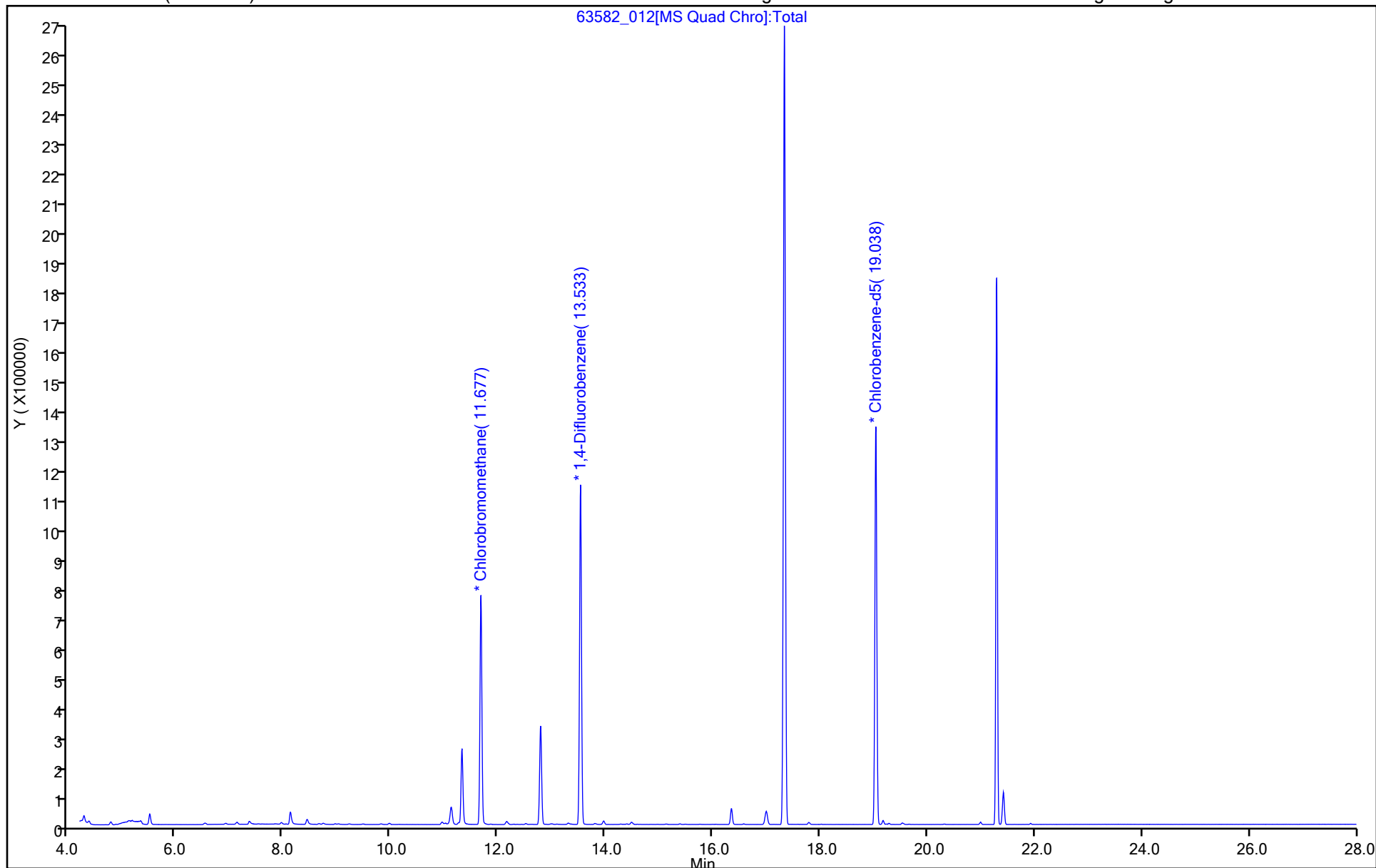
ALS Bottle#: 11

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

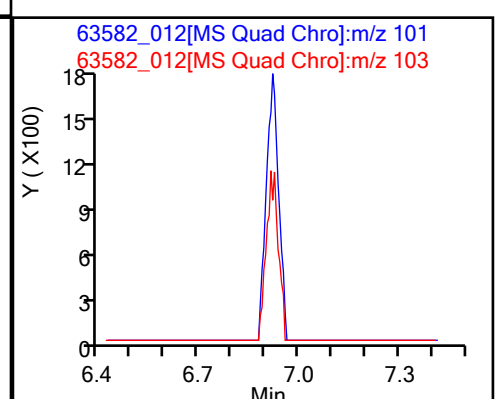
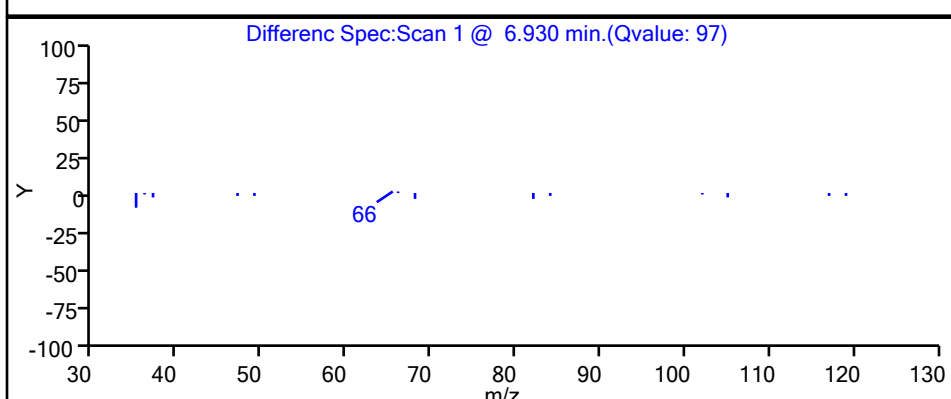
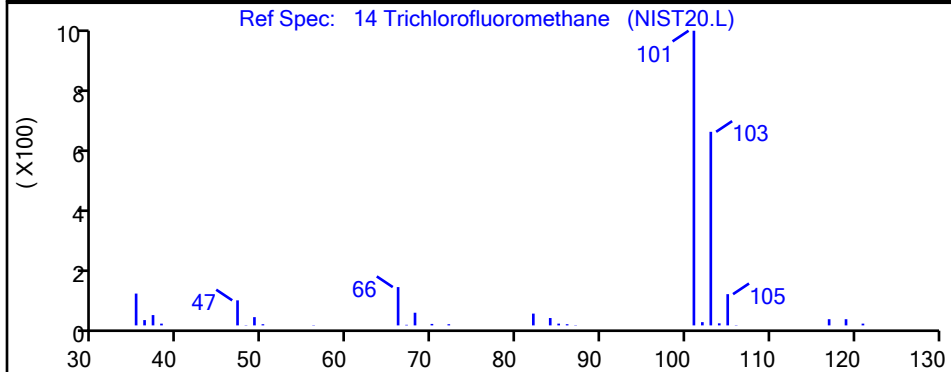
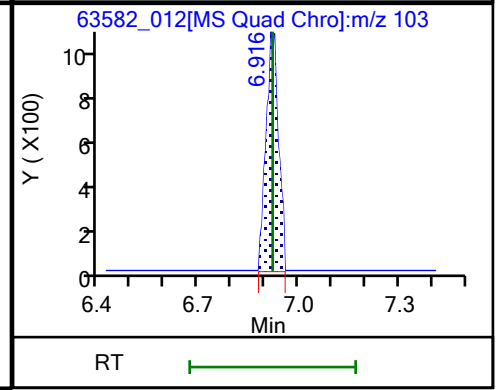
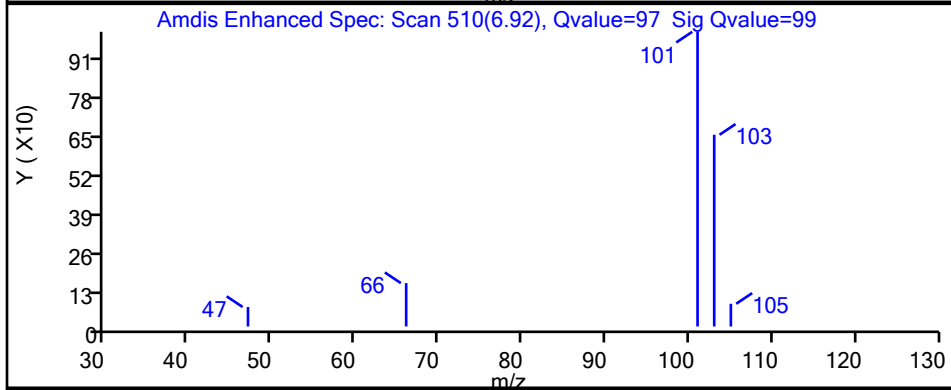
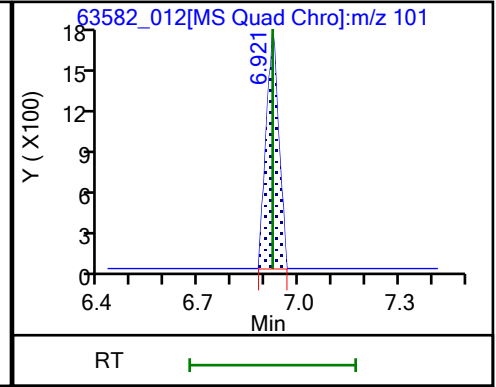
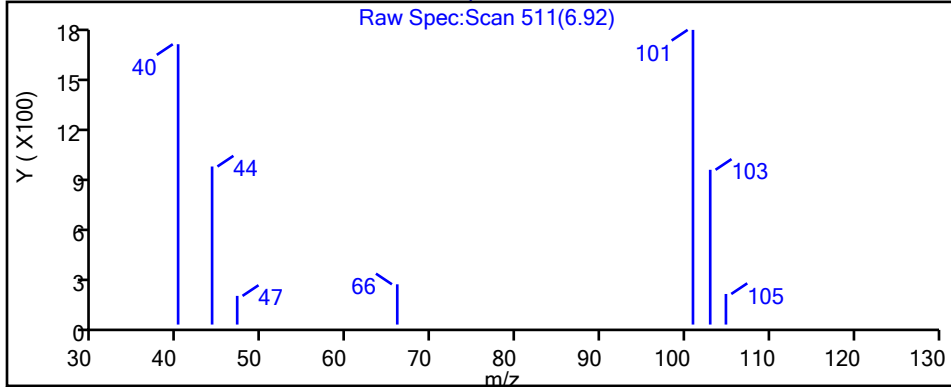
Dil. Factor: 5.0000

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\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

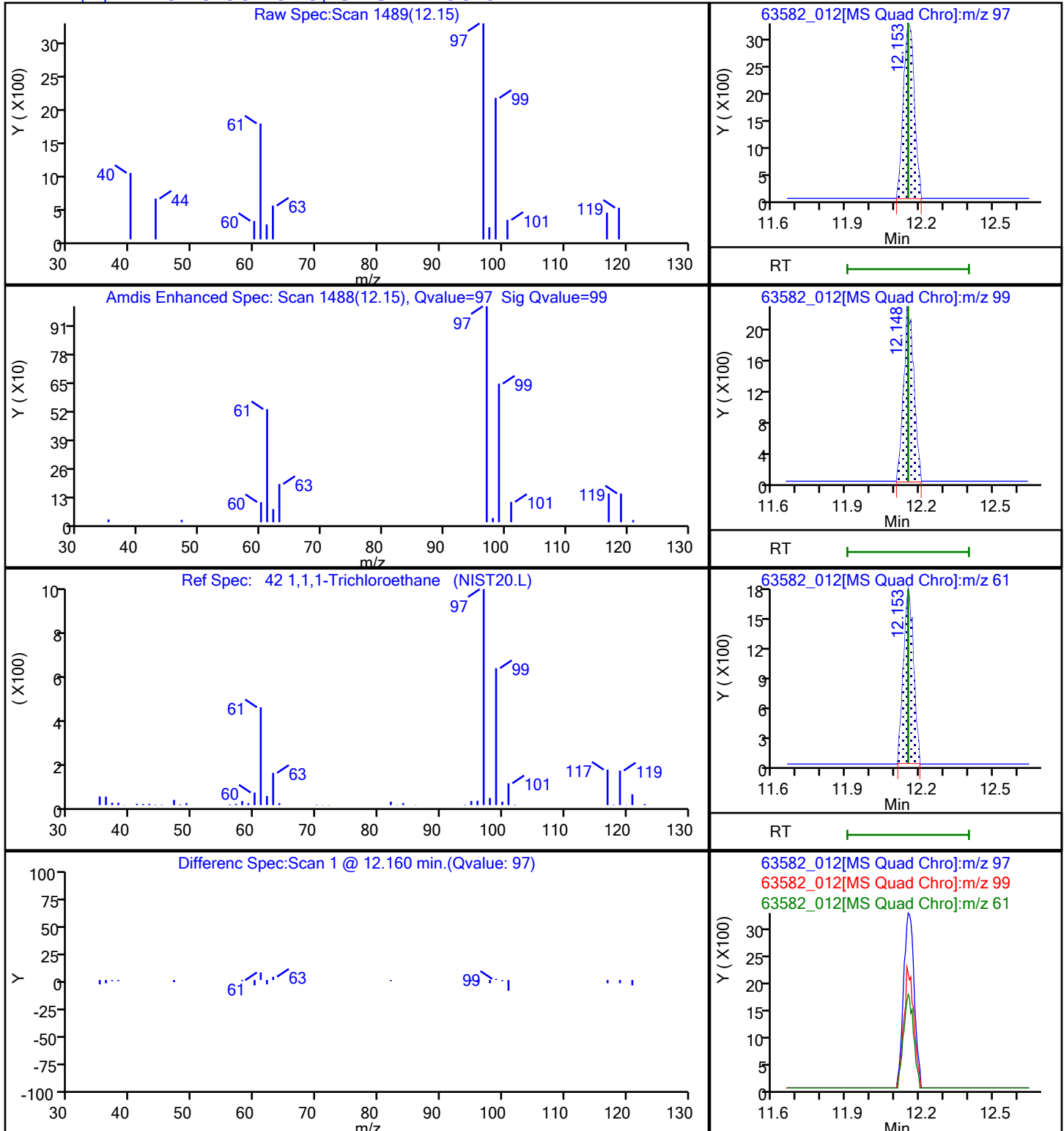
Dil. Factor: 5.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

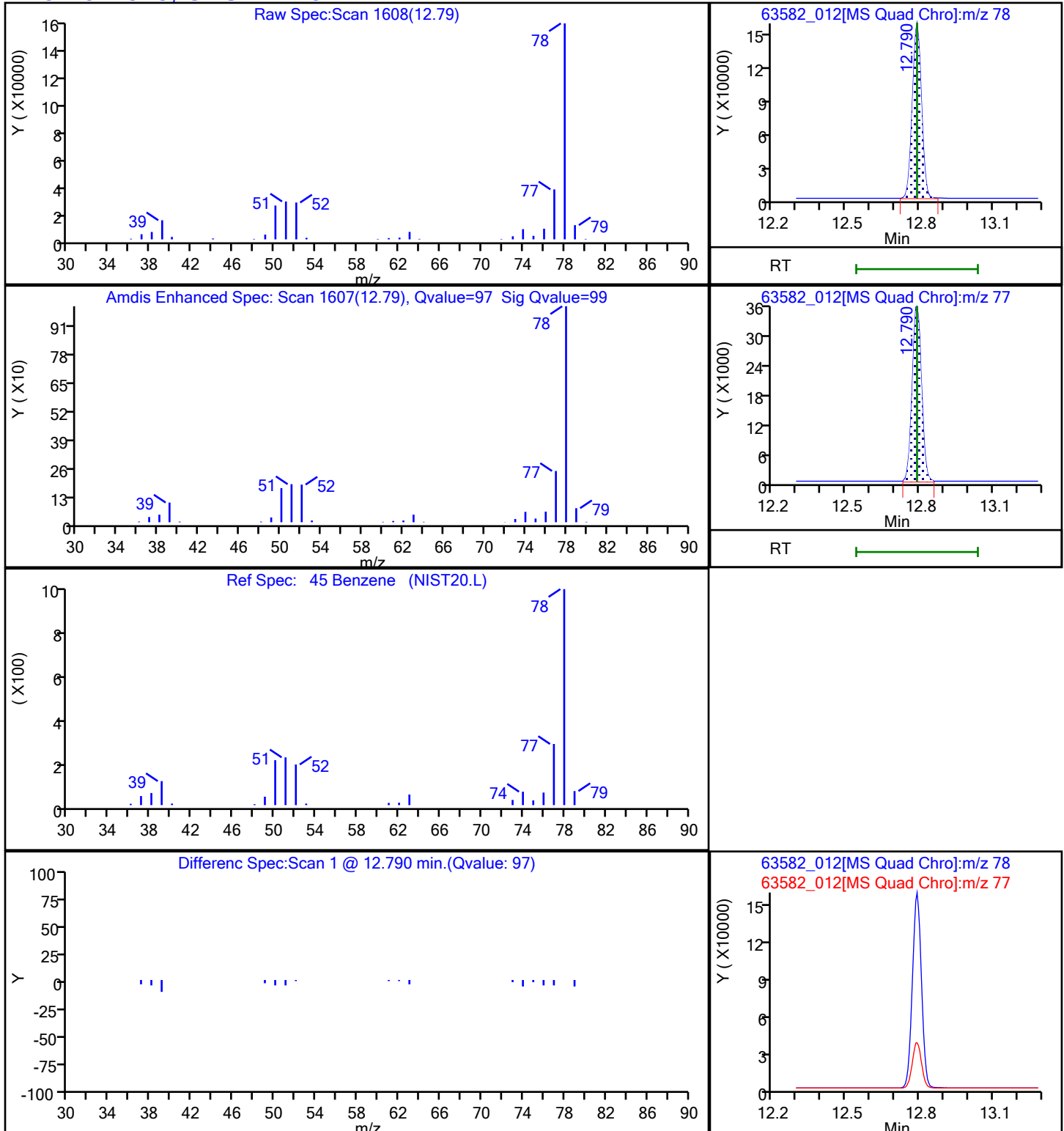
Dil. Factor: 5.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

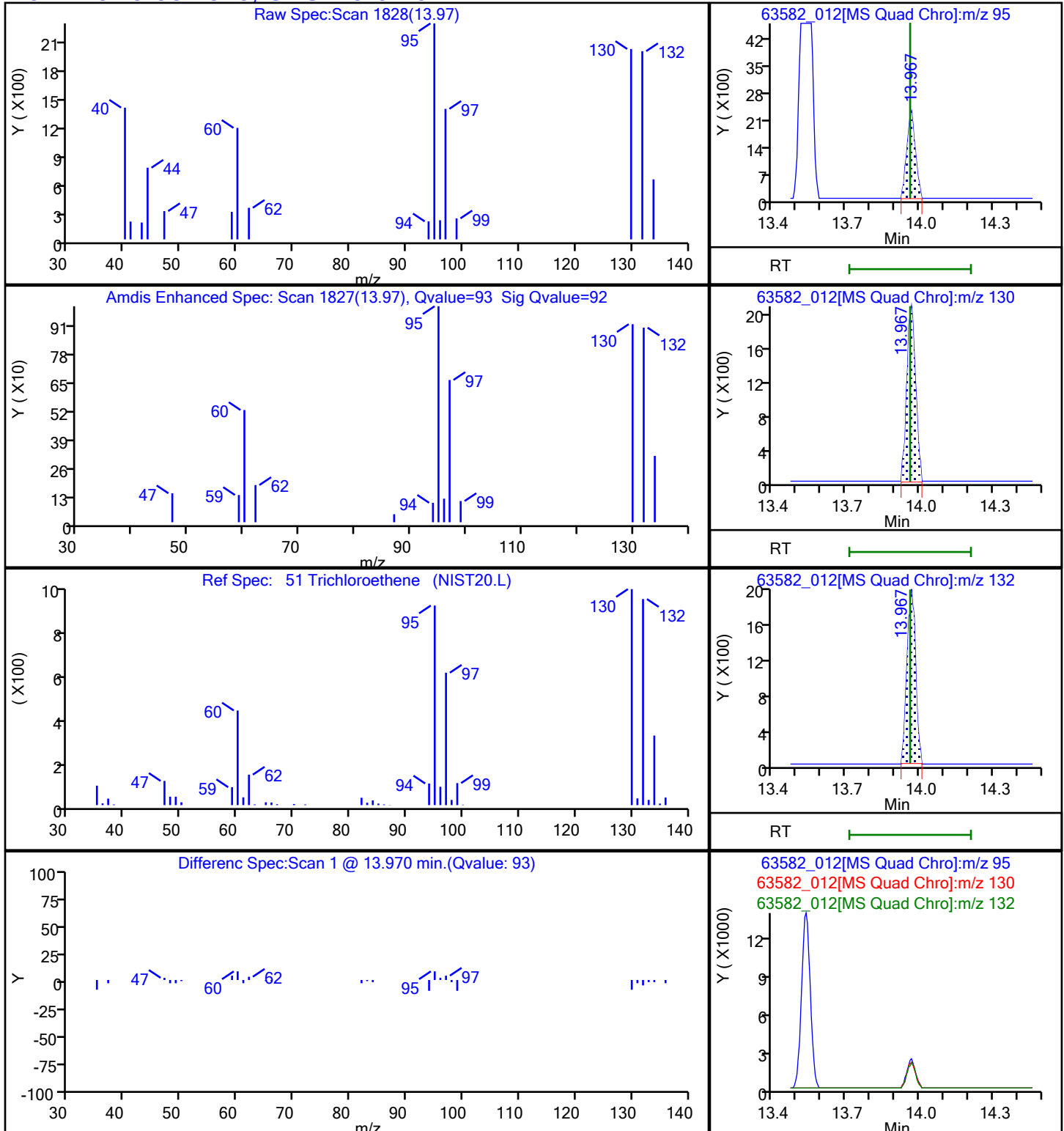
Dil. Factor: 5.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

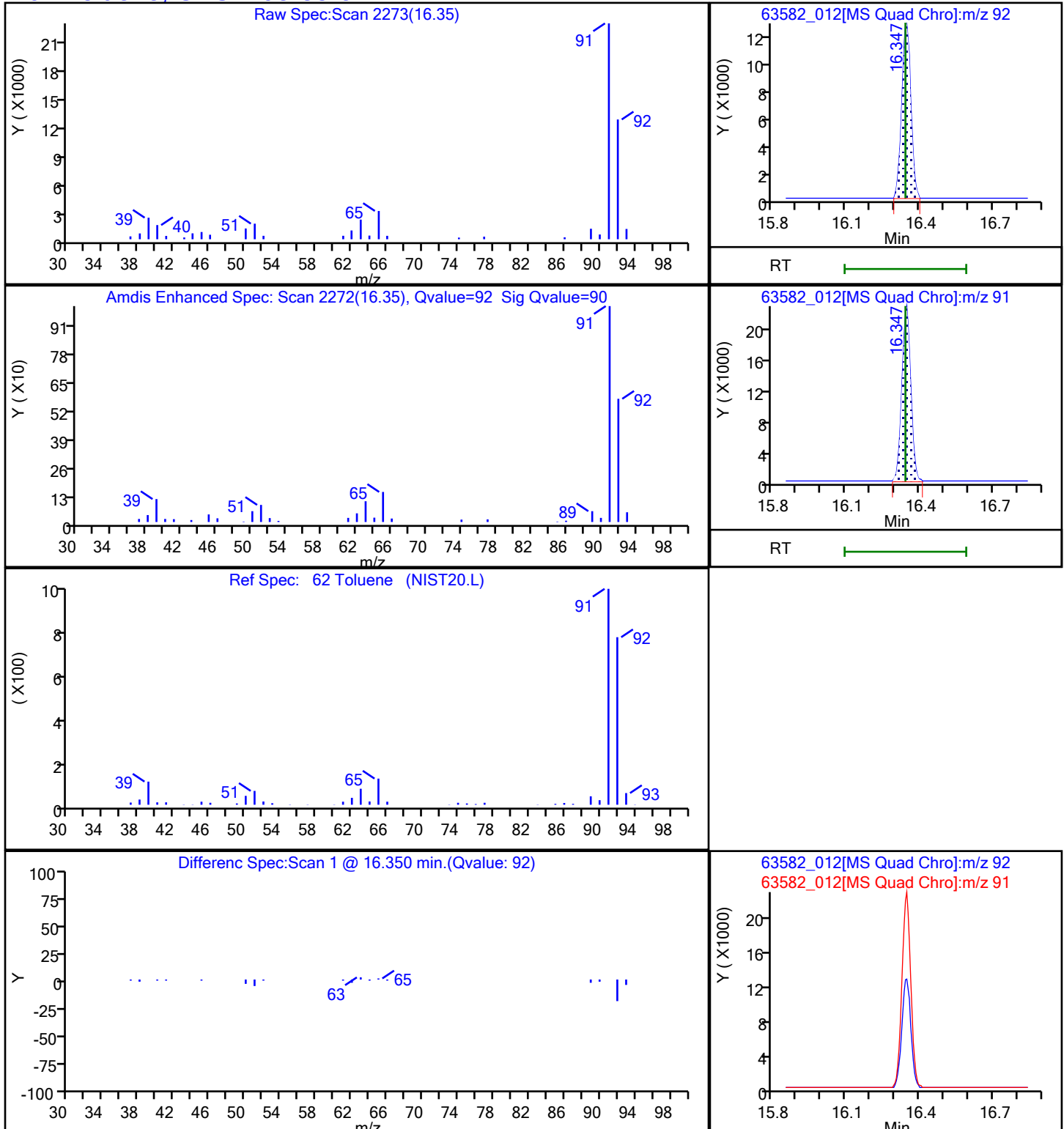
Dil. Factor: 5.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

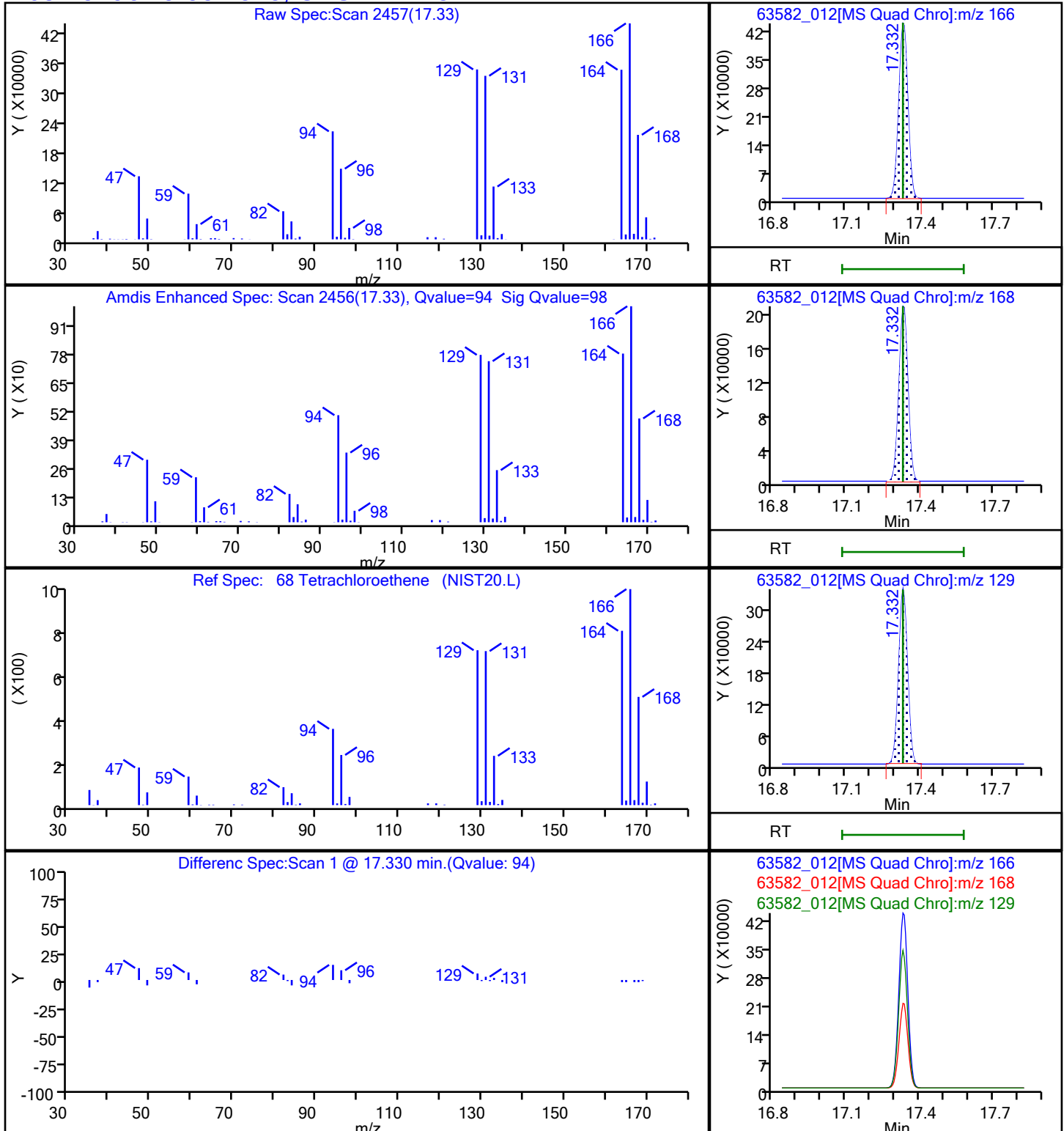
Dil. Factor: 5.0000

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

Eurofins Burlington

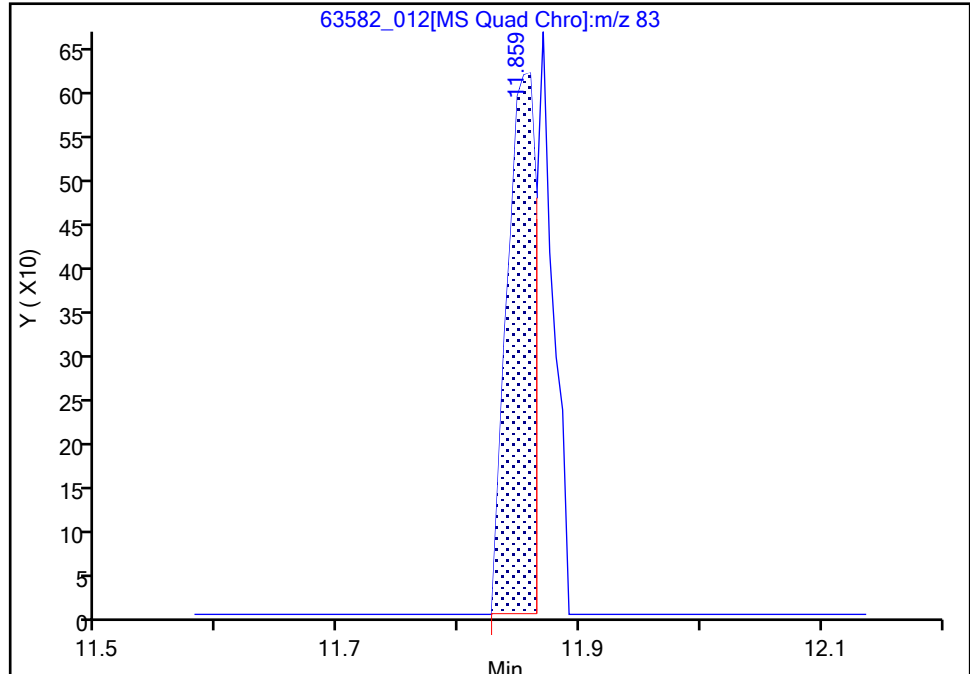
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D
Injection Date: 04-Jan-2025 18:21:59 Instrument ID: CHAM.i
Lims ID: 200-76392-A-4 DL Lab Sample ID: 200-76392-4
Client ID: SV122024KT004
Operator ID: vtp ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 5.0000
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

Signal: 1

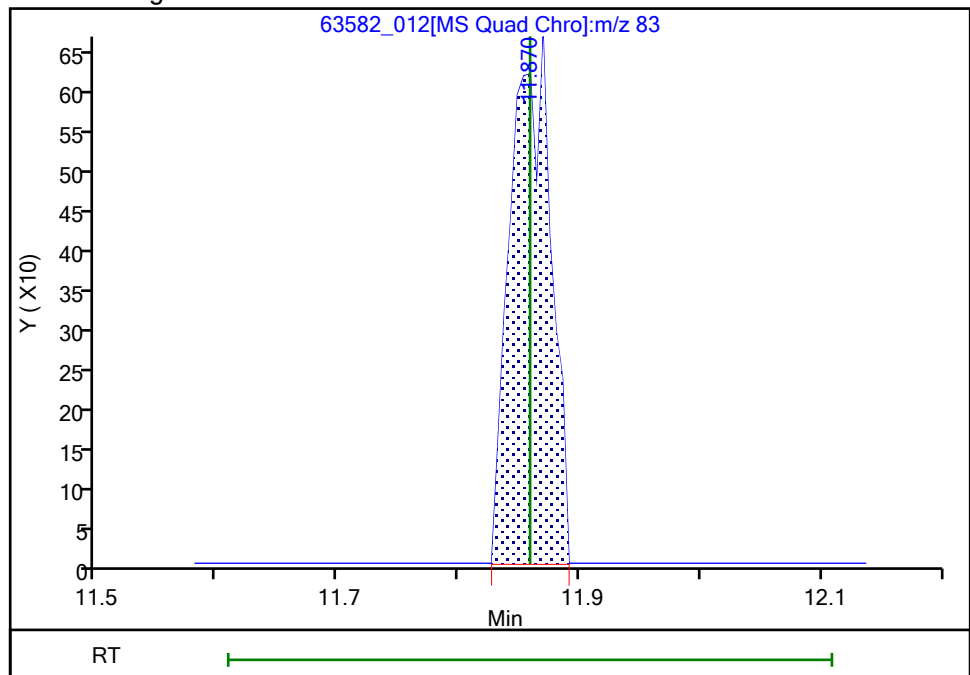
RT: 11.86
Area: 1026
Amount: 0.012671
Amount Units: ppb v/v

Processing Integration Results



RT: 11.87
Area: 1538
Amount: 0.018995
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 06-Jan-2025 07:19:11 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

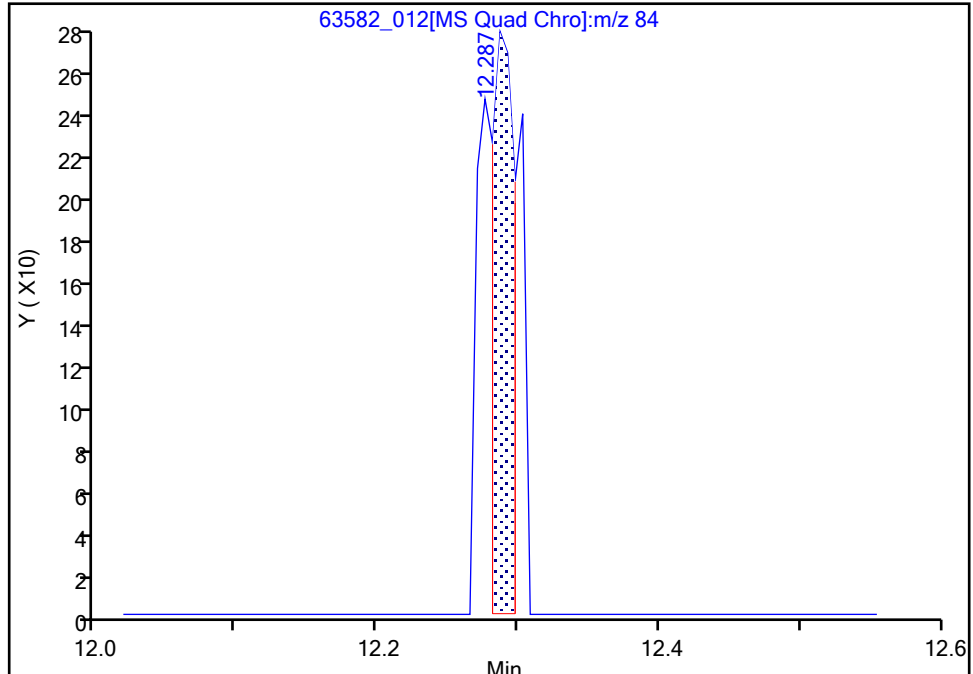
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D
Injection Date: 04-Jan-2025 18:21:59 Instrument ID: CHAM.i
Lims ID: 200-76392-A-4 DL Lab Sample ID: 200-76392-4
Client ID: SV122024KT004
Operator ID: vtp ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 5.0000
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

Signal: 1

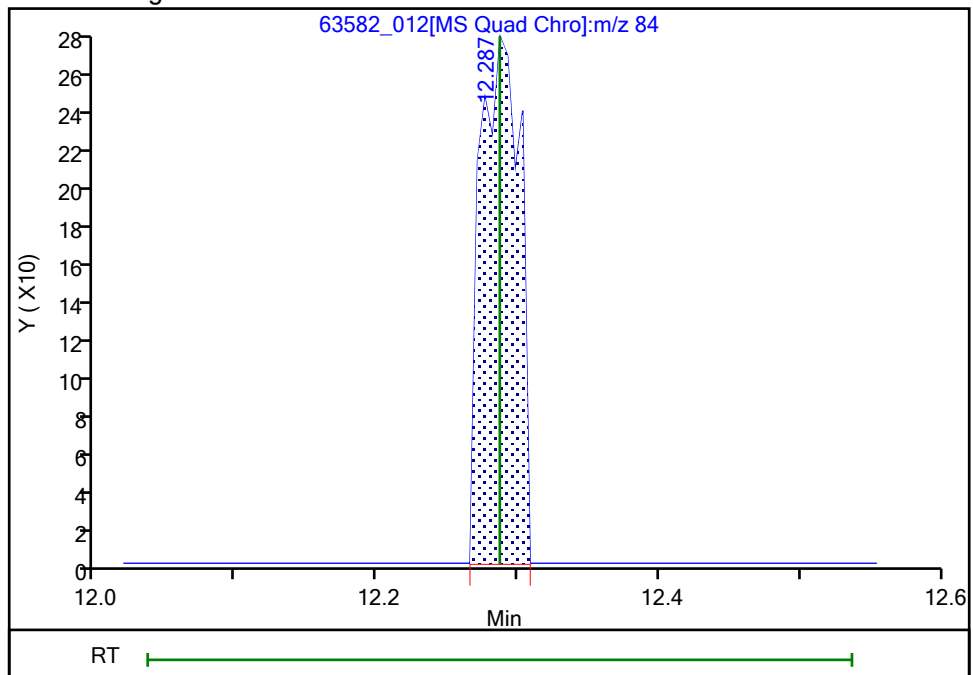
RT: 12.29
Area: 313
Amount: 0.006543
Amount Units: ppb v/v

Processing Integration Results



RT: 12.29
Area: 536
Amount: 0.011204
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 06-Jan-2025 07:19:23 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

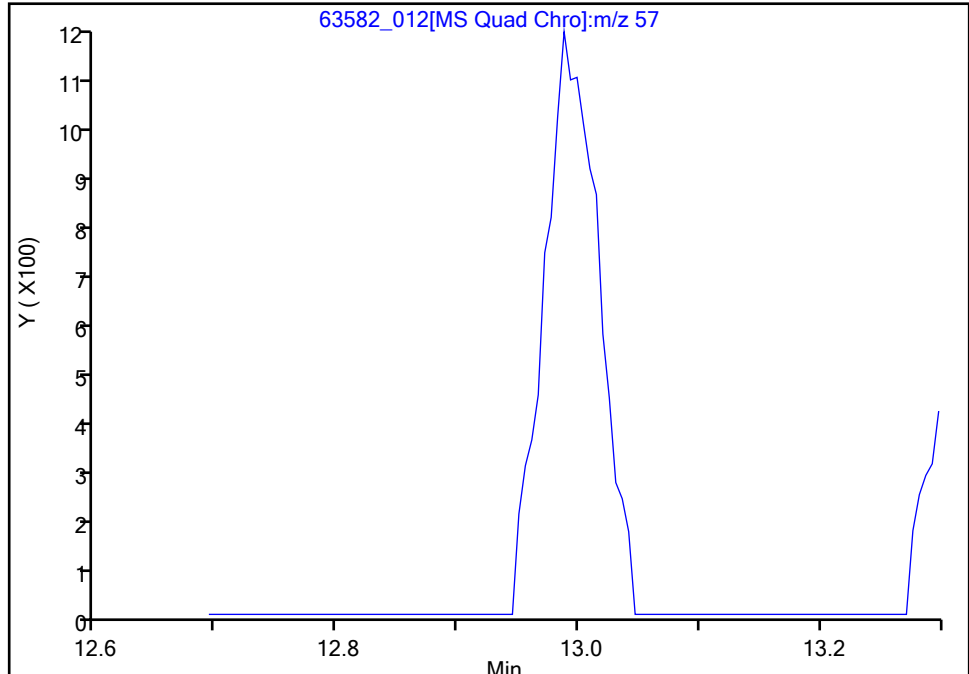
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D				
Injection Date:	04-Jan-2025 18:21:59	Instrument ID:	CHAM.i		
Lims ID:	200-76392-A-4 DL	Lab Sample ID:	200-76392-4		
Client ID:	SV122024KT004				
Operator ID:	vtp	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
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

Signal: 1

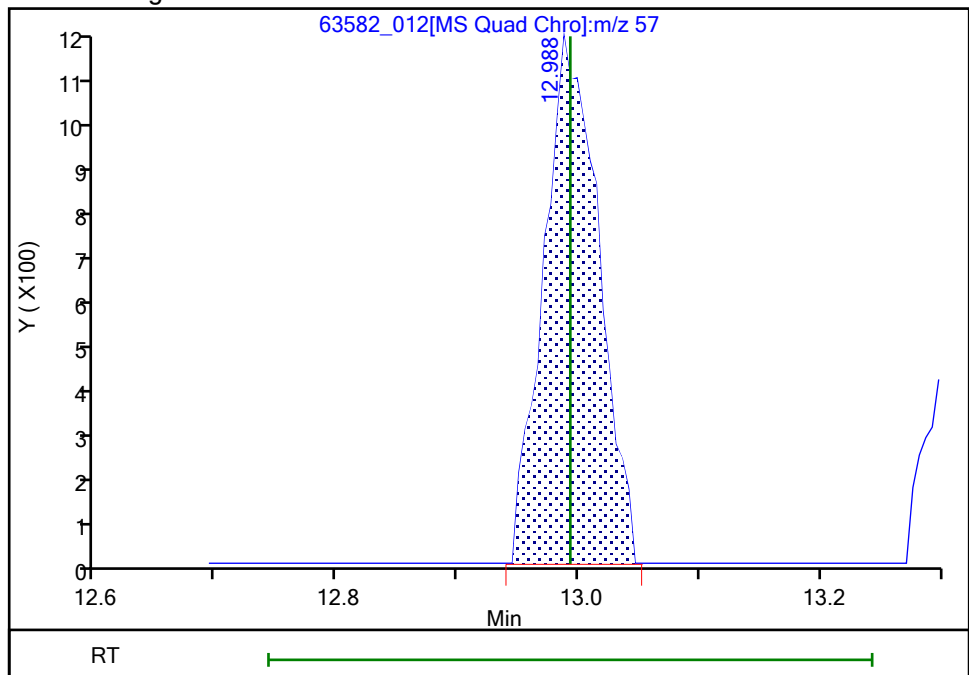
Not Detected
Expected RT: 12.99

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 3631
Amount: 0.019223
Amount Units: ppb v/v



Reviewer: YWL8, 06-Jan-2025 07:20:32 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#:

11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor:

5.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group:

AI_TO15_ICAL

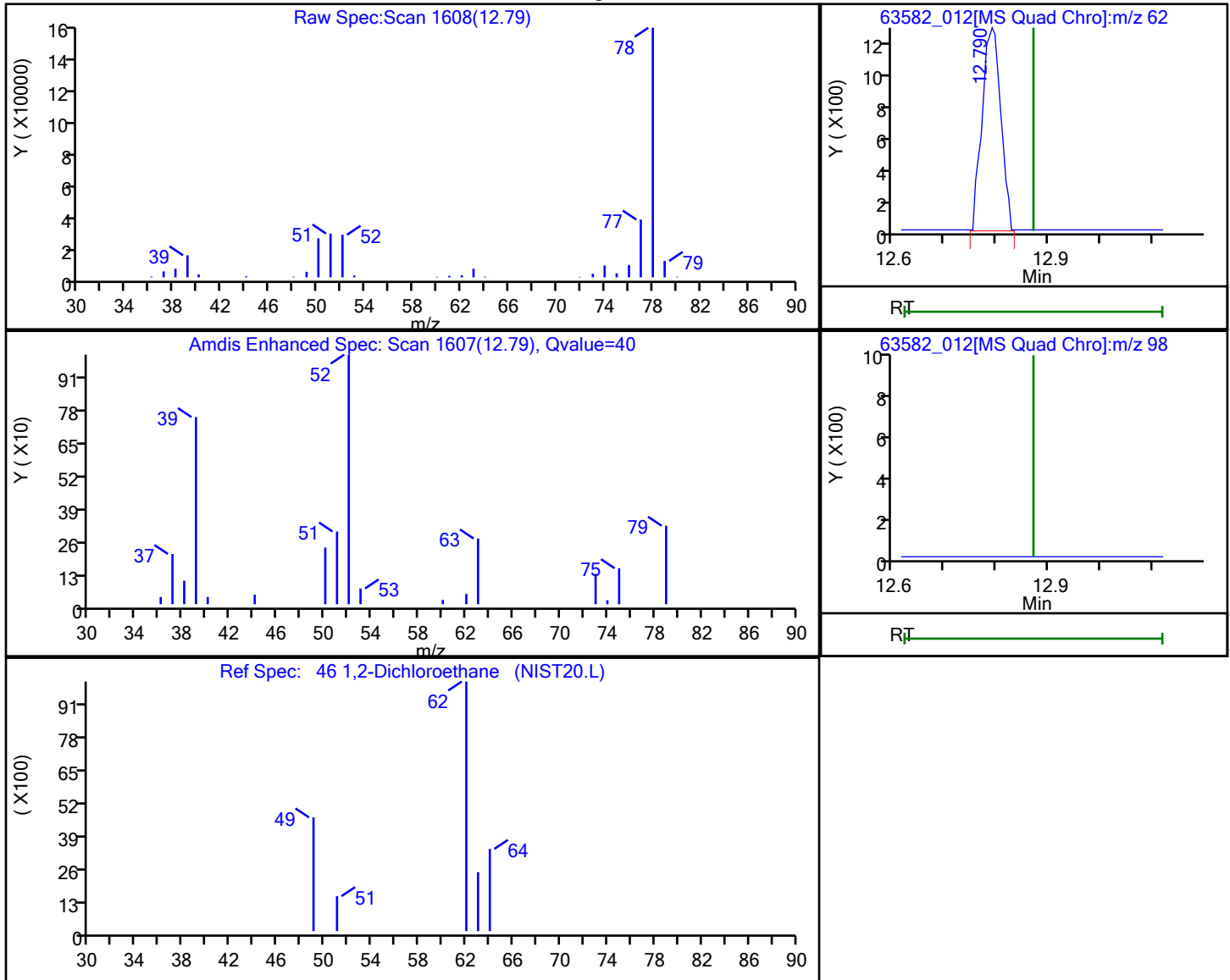
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

46 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
12.79	62.00	3046	0.058323
12.87	98.00	0	

Reviewer: YWL8, 06-Jan-2025 07:20:18 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

Method: TO15_TO3_Master_Method_AM1

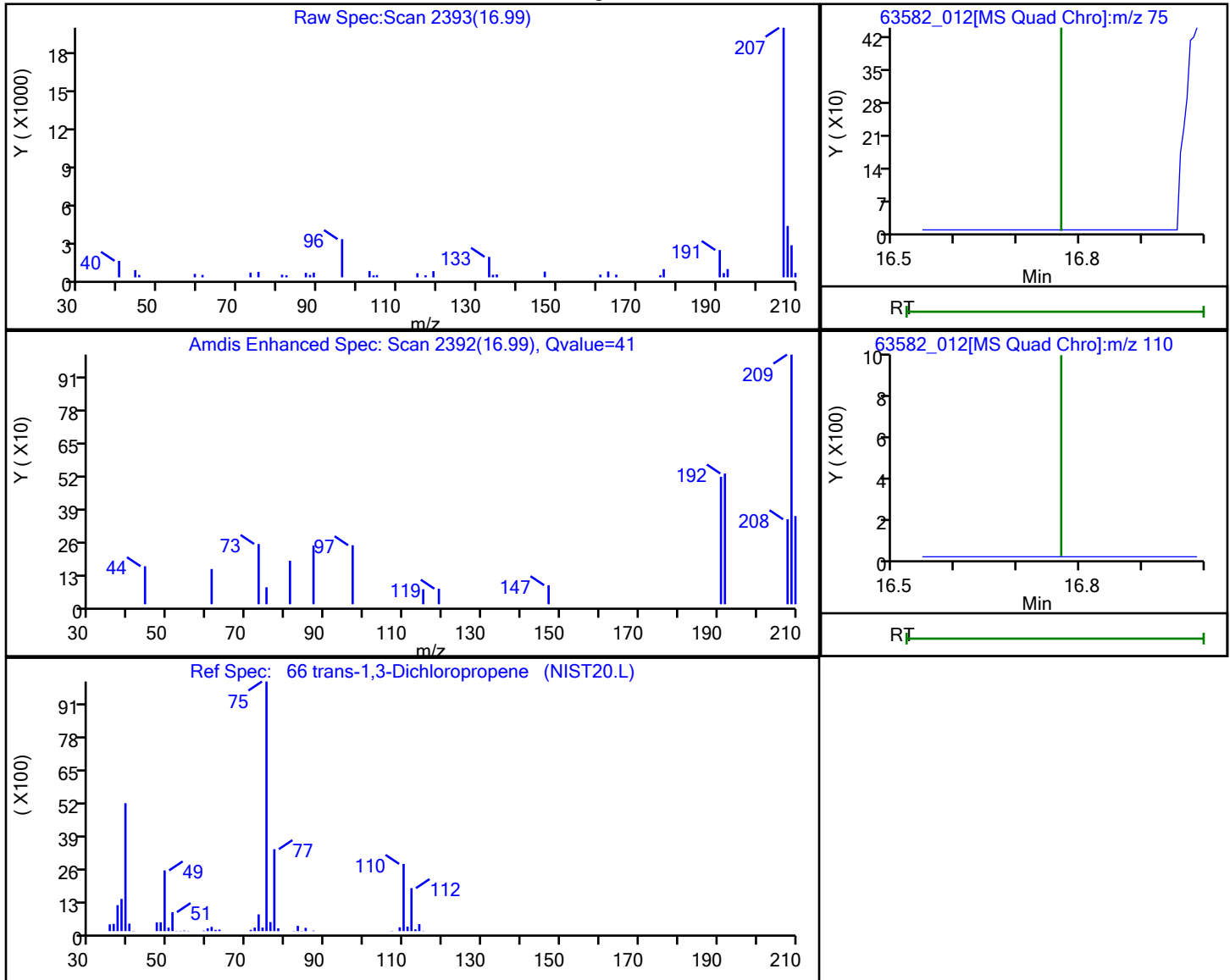
Limit Group: AI_TO15_ICAL

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	1338	0.022974
16.77	110.00	0	

Reviewer: YWL8, 06-Jan-2025 07:20:48 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_012.D

Injection Date: 04-Jan-2025 18:21:59

Instrument ID: CHAM.i

Lims ID: 200-76392-A-4 DL

Lab Sample ID: 200-76392-4

Client ID: SV122024KT004

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

Method: TO15_TO3_Master_Method_AM1

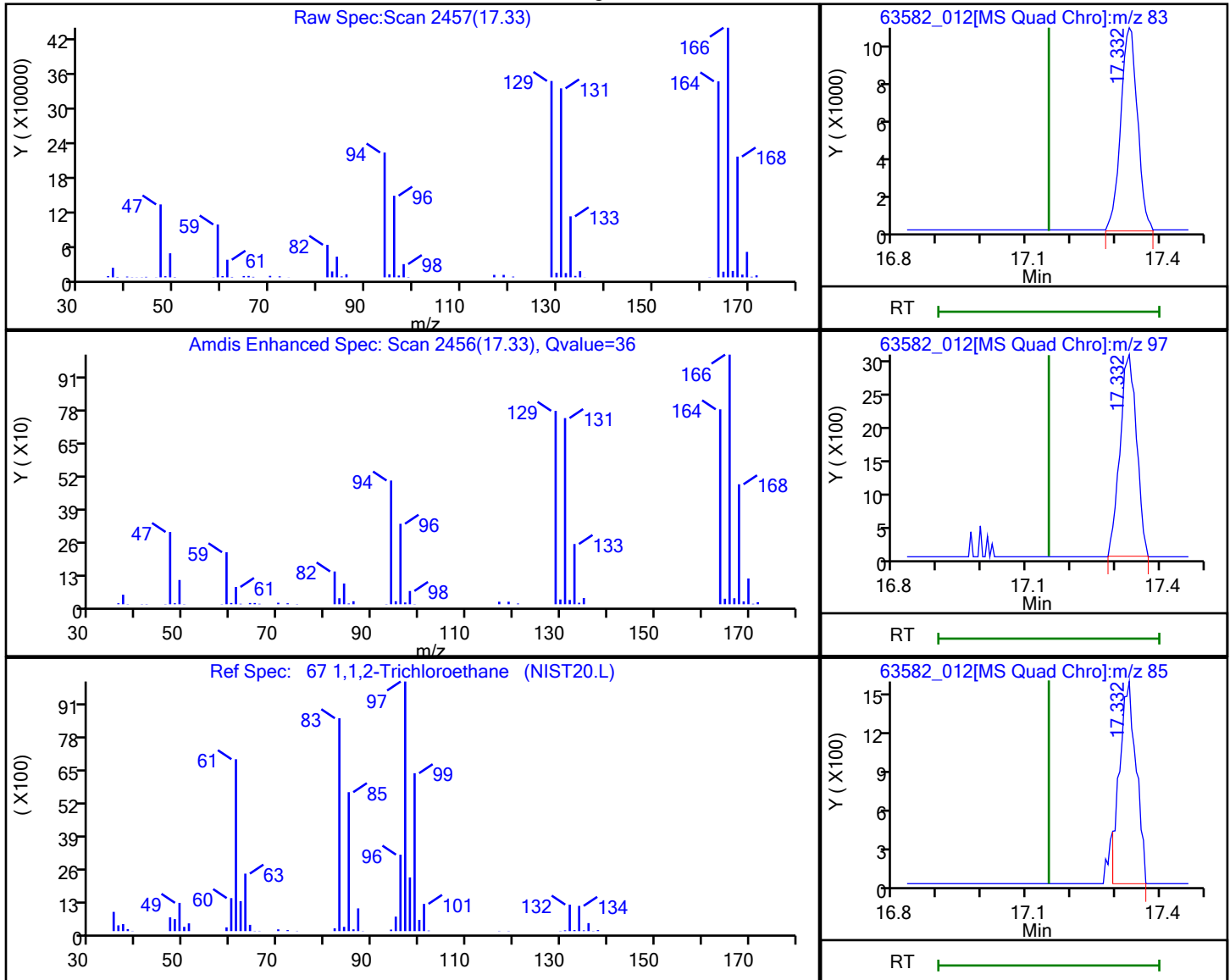
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.33	83.00	26673	0.620623
17.33	97.00	8067	
17.33	85.00	4155	

Reviewer: YWL8, 06-Jan-2025 07:20:55 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005</u>	Lab Sample ID: <u>200-76392-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_026.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 04:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.91	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	3.8		1.0	0.31
106-97-8	n-Butane	58.12	0.84	J	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	1.5		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.57	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
64-17-5	Ethanol	46.07	17		9.4	4.9
67-64-1	Acetone	58.08	31		12	3.8
67-63-0	Isopropyl alcohol	60.10	3.9	J	12	3.9
75-15-0	Carbon disulfide	76.14	17		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	0.81	J	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	8.1		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	0.34	J	1.1	0.24
110-82-7	Cyclohexane	84.16	0.36	J	0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005</u>	Lab Sample ID: <u>200-76392-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_026.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 04:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.37		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.9		0.93	0.18
71-43-2	Benzene	78.11	34		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	1.2		0.82	0.23
79-01-6	Trichloroethene	131.39	1.3		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	0.90	J	2.0	0.53
108-88-3	Toluene	92.14	8.0		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	460	E	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	2.3		0.87	0.30
179601-23-1	m,p-Xylene	106.17	8.1		2.2	0.41
95-47-6	o-Xylene	106.17	3.4		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	3.3		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	0.76	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	1.1		0.98	0.23

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: SV122024KT005 Lab Sample ID: 200-76392-5
Matrix: Air Lab File ID: 63569_026.D
Analysis Method: TO-15 Date Collected: 12/20/2024 08:54
Sample wt/vol: 200 (mL) Date Analyzed: 01/04/2025 04:45
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.: 212534 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	4.3		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	0.66	J	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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005</u>	Lab Sample ID: <u>200-76392-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_026.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 04:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.46	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.26	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	1.8		0.50	0.15
106-97-8	n-Butane	58.12	0.35	J	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	0.26		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.074	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
64-17-5	Ethanol	46.07	8.9		5.0	2.6
67-64-1	Acetone	58.08	13		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	1.6	J	5.0	1.6
75-15-0	Carbon disulfide	76.14	5.4		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	0.50	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	0.23	J	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	2.7		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	0.063	J	0.20	0.044
110-82-7	Cyclohexane	84.16	0.10	J	0.20	0.058

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005</u>	Lab Sample ID: <u>200-76392-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_026.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 04:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.059		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.40		0.20	0.038
71-43-2	Benzene	78.11	10		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	0.29		0.20	0.055
79-01-6	Trichloroethene	131.39	0.24		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	0.22	J	0.50	0.13
108-88-3	Toluene	92.14	2.1		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	68	E	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	0.52		0.20	0.069
179601-23-1	m,p-Xylene	106.17	1.9		0.50	0.095
95-47-6	o-Xylene	106.17	0.79		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	0.67		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	0.15	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	0.22		0.20	0.047

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005</u>	Lab Sample ID: <u>200-76392-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_026.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 04:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.88		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	0.12	J	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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D
 Lims ID: 200-76392-A-5
 Client ID: SV122024KT005
 Sample Type: Client
 Inject. Date: 04-Jan-2025 04:45:51 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063569-026
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 12:06:27 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: F7XK

Date: 06-Jan-2025 12:06:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.375	4.374	0.000	99	37981	0.4603	
3 Chlorodifluoromethane	51	4.423	4.428	-0.005	97	12232	0.2560	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.754	4.754	0.005	12	1568	0.0181	7M
5 Chloromethane	50	4.872	4.877	-0.005	99	52282	1.85	
7 Butane	43	5.172	5.177	-0.005	97	22886	0.3517	
6 Vinyl chloride	62		5.182				ND	
8 Butadiene	54		5.294				ND	7
9 Bromomethane	94		6.049				ND	
10 Chloroethane	64		6.327				ND	7
13 Vinyl bromide	106		6.760				ND	
14 Trichlorofluoromethane	101	6.916	6.926	-0.005	98	22612	0.2616	
16 Ethanol	45	7.338	7.333	0.005	98	153991	8.91	
20 1,1-Dichloroethene	96		8.007				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.044	8.044	0.000	92	5933	0.0741	
22 Acetone	43	8.109	8.135	0.006	98	789161	13.0	
23 Isopropyl alcohol	45	8.424	8.429	0.016	100	98347	1.60	
24 Carbon disulfide	76	8.414	8.413	0.001	99	640989	5.41	
26 3-Chloro-1-propene	41		8.718				ND	MU
27 Methylene Chloride	49		8.964				ND	7
28 2-Methyl-2-propanol	59	9.211	9.194	0.017	96	18950	0.2380	
30 trans-1,2-Dichloroethene	61		9.456				ND	
31 Methyl tert-butyl ether	73		9.462				ND	
32 Hexane	57	9.970	9.970	0.000	93	14784	0.2304	
33 1,1-Dichloroethane	63		10.248				ND	
36 2-Butanone (MEK)	72	11.249	11.238	0.011	100	58143	2.74	
37 cis-1,2-Dichloroethene	96		11.259				ND	7
* 39 Chlorobromomethane	128	11.677	11.677	0.000	98	263238	10.0	
40 Tetrahydrofuran	42	11.725	11.725	0.016	93	15754	0.3225	M
41 Chloroform	83	11.853	11.853	-0.005	92	2872	0.0330	M
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	91	5090	0.0631	
43 Cyclohexane	84	12.281	12.281	-0.005	91	5398	0.1034	
44 Carbon tetrachloride	117	12.426	12.431	-0.005	96	4627	0.0586	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.790	12.789	0.001	96	1342696	10.5	
46 1,2-Dichloroethane	62		12.875				ND	MU
47 Isooctane	57	12.998	12.998	0.005	99	82576	0.4007	
48 n-Heptane	43	13.314	13.303	0.011	96	22122	0.2940	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1268450	10.0	
51 Trichloroethene	95	13.961	13.967	-0.005	95	13402	0.2420	
53 1,2-Dichloropropane	63		14.432				ND	
54 Methyl methacrylate	69		14.512				ND	MU
55 1,4-Dioxane	88		14.565				ND	7
58 Dichlorobromomethane	83		14.908				ND	
59 cis-1,3-Dichloropropene	75		15.710				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.984	15.978	0.006	96	21796	0.2199	
62 Toluene	92	16.347	16.347	0.000	93	176501	2.12	
66 trans-1,3-Dichloropropene	75		16.770				ND	MU
67 1,1,2-Trichloroethane	83		17.149				ND	MU
68 Tetrachloroethene	166	17.337	17.326	0.006	95	4015826	67.9	E
69 2-Hexanone	43		17.561				ND	7
70 Chlorodibromomethane	129		17.888				ND	
71 Ethylene Dibromide	107		18.128				ND	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	89	1145107	10.0	
74 Chlorobenzene	112		19.097				ND	7
75 Ethylbenzene	91	19.284	19.279	0.000	99	96617	0.5215	
76 m-Xylene & p-Xylene	106	19.536	19.541	-0.005	0	125064	1.86	
78 o-Xylene	106	20.317	20.312	0.006	98	49796	0.7888	
79 Styrene	104		20.349				ND	MU
81 Bromoform	173		20.691				ND	
82 Isopropylbenzene	105	20.986	20.991	0.001	99	125718	0.6689	
83 1,1,2,2-Tetrachloroethane	83		21.504				ND	7
85 N-Propylbenzene	91	21.681	21.681	0.000	98	37942	0.1545	
86 2-Chlorotoluene	91		21.830				ND	MU
87 4-Ethyltoluene	105	21.874	21.874	0.001	99	42128	0.2241	
88 1,3,5-Trimethylbenzene	105	21.970	21.965	0.006	92	34341	0.2162	
91 tert-Butylbenzene	119		22.446				ND	MU
92 1,2,4-Trimethylbenzene	105	22.532	22.532	0.001	98	137977	0.8751	
93 sec-Butylbenzene	105	22.762	22.762	0.001	95	3503	0.0151	M
94 1,3-Dichlorobenzene	146		22.938				ND	7
95 4-Isopropyltoluene	119	22.970	22.970	0.000	96	22286	0.1203	
96 1,4-Dichlorobenzene	146	23.083	23.077	0.006	91	3161	0.0295	
97 Benzyl chloride	91		23.232				ND	MU
98 n-Butylbenzene	91	23.537	23.537	0.000	91	5783	0.0295	
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	26.581	0.000	98	6422	0.0416	

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Worklist Smp#: 26

Client ID: SV122024KT005

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

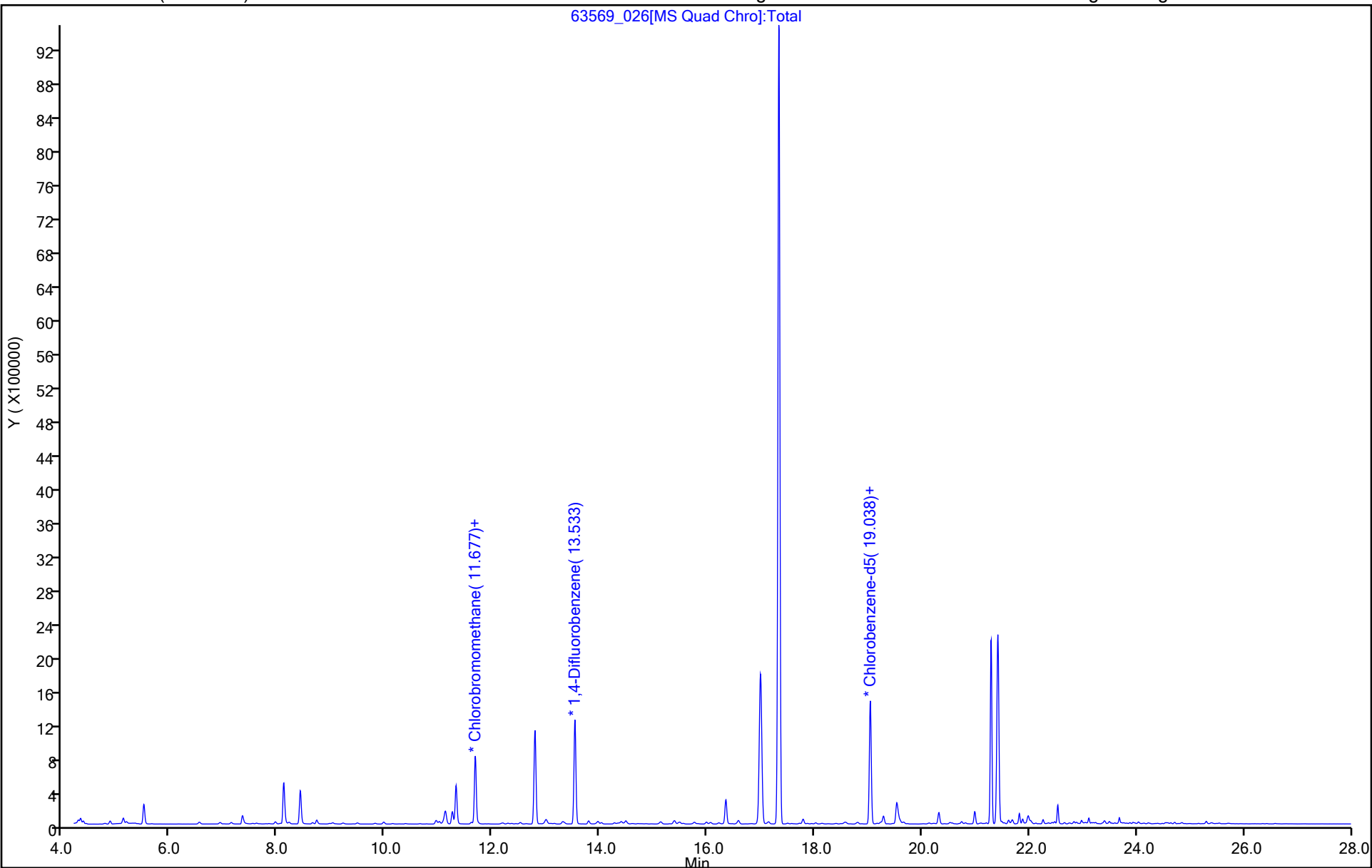
ALS Bottle#: 25

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

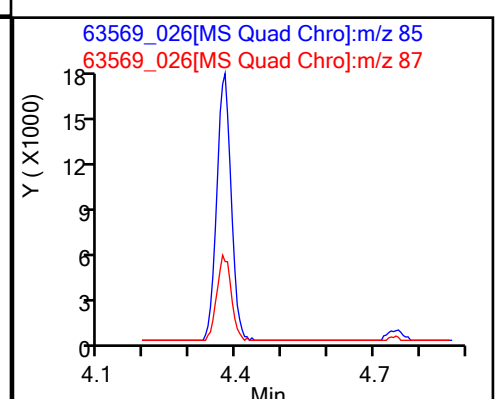
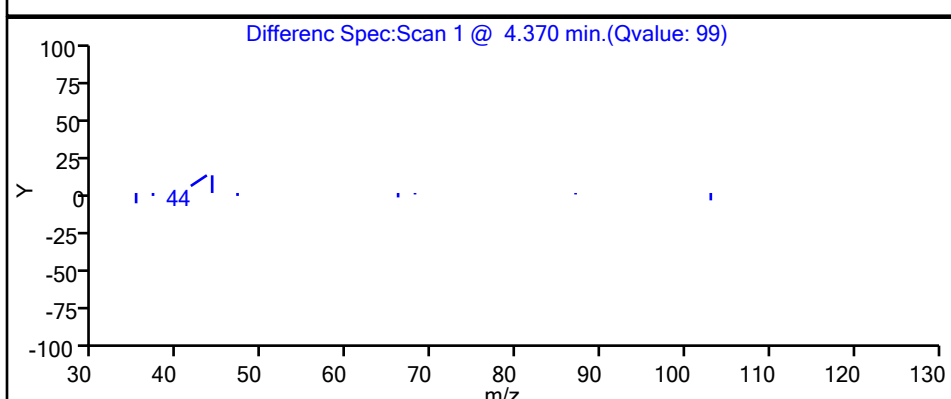
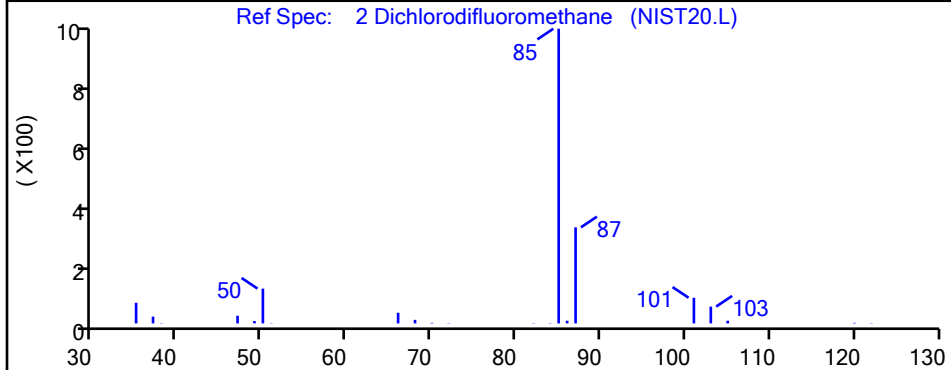
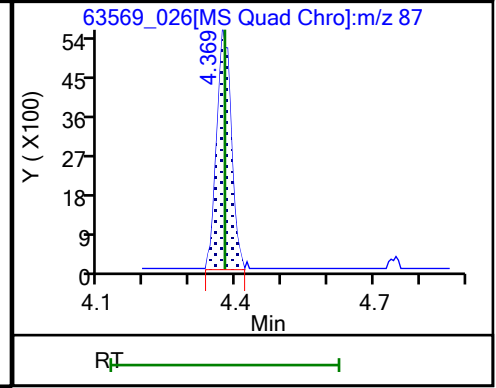
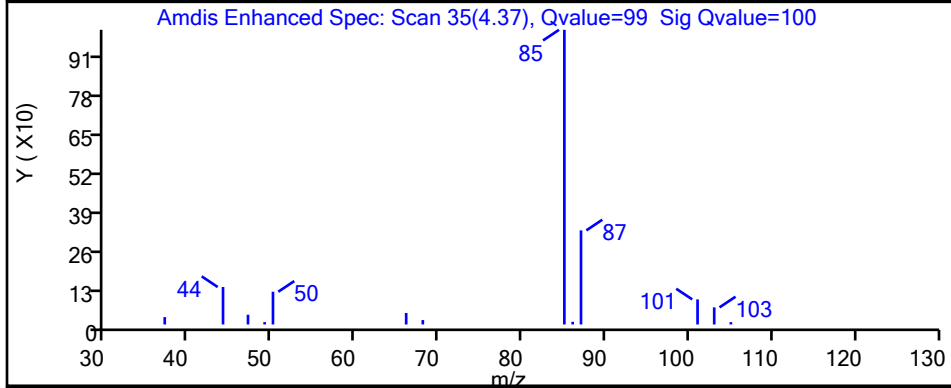
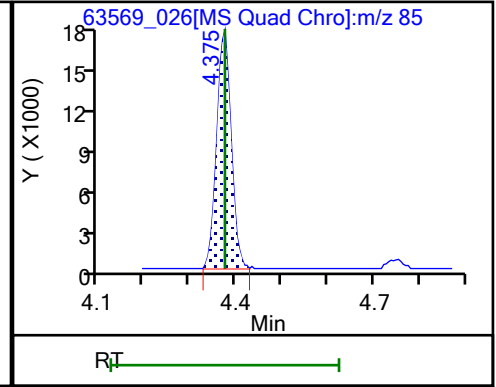
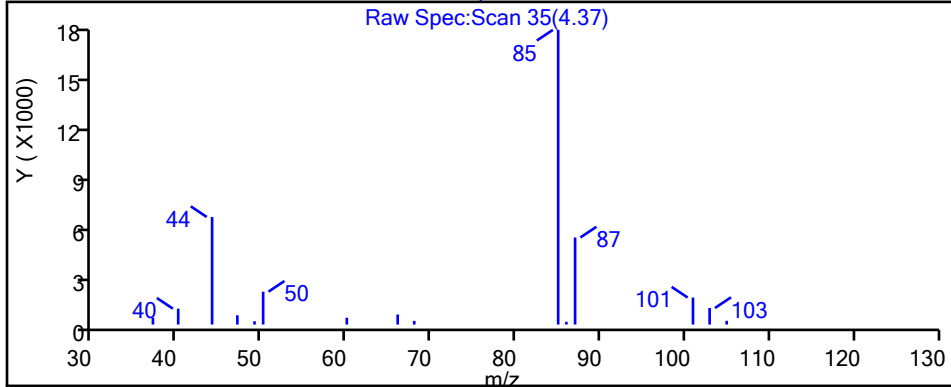
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

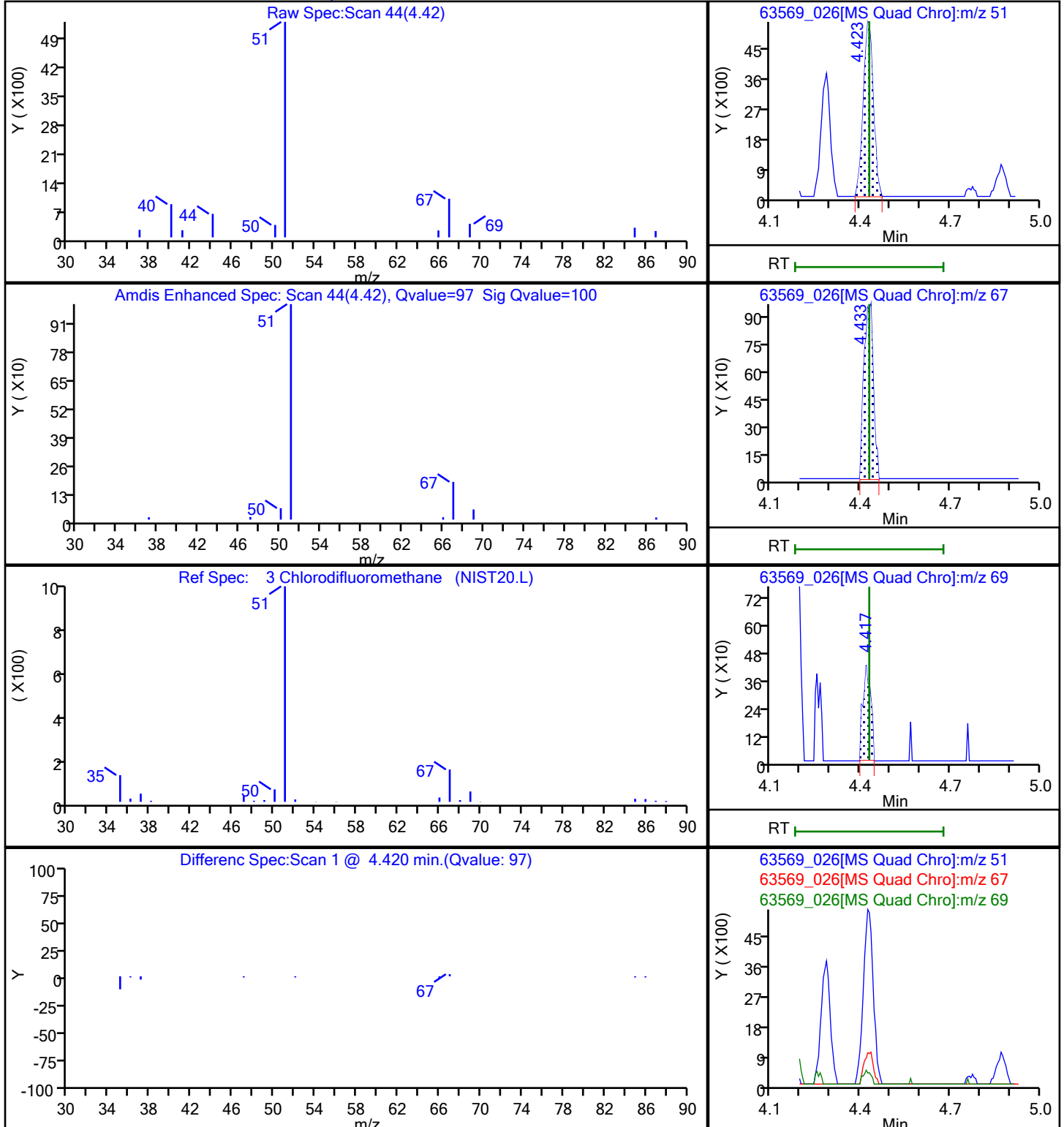
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

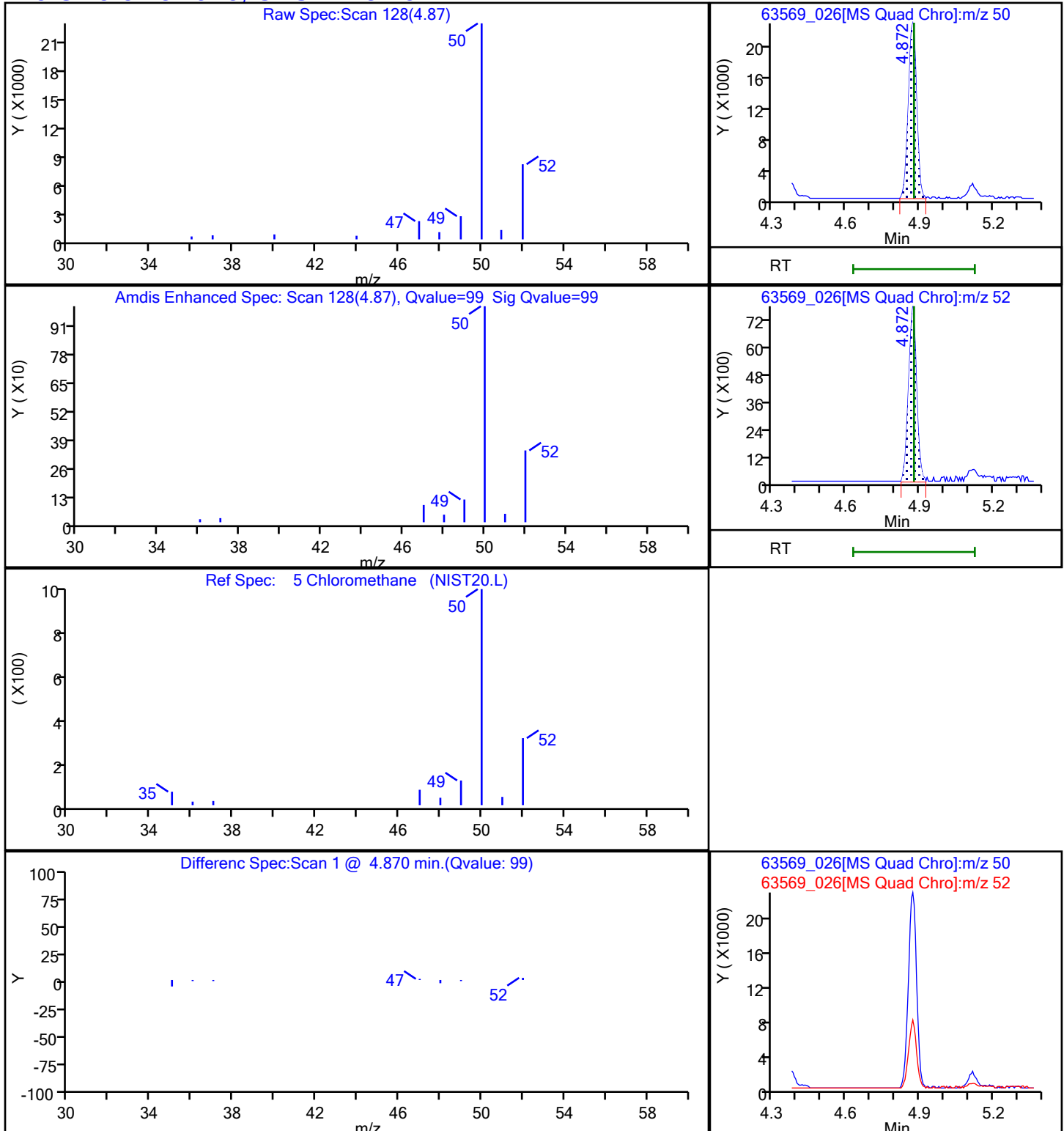
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

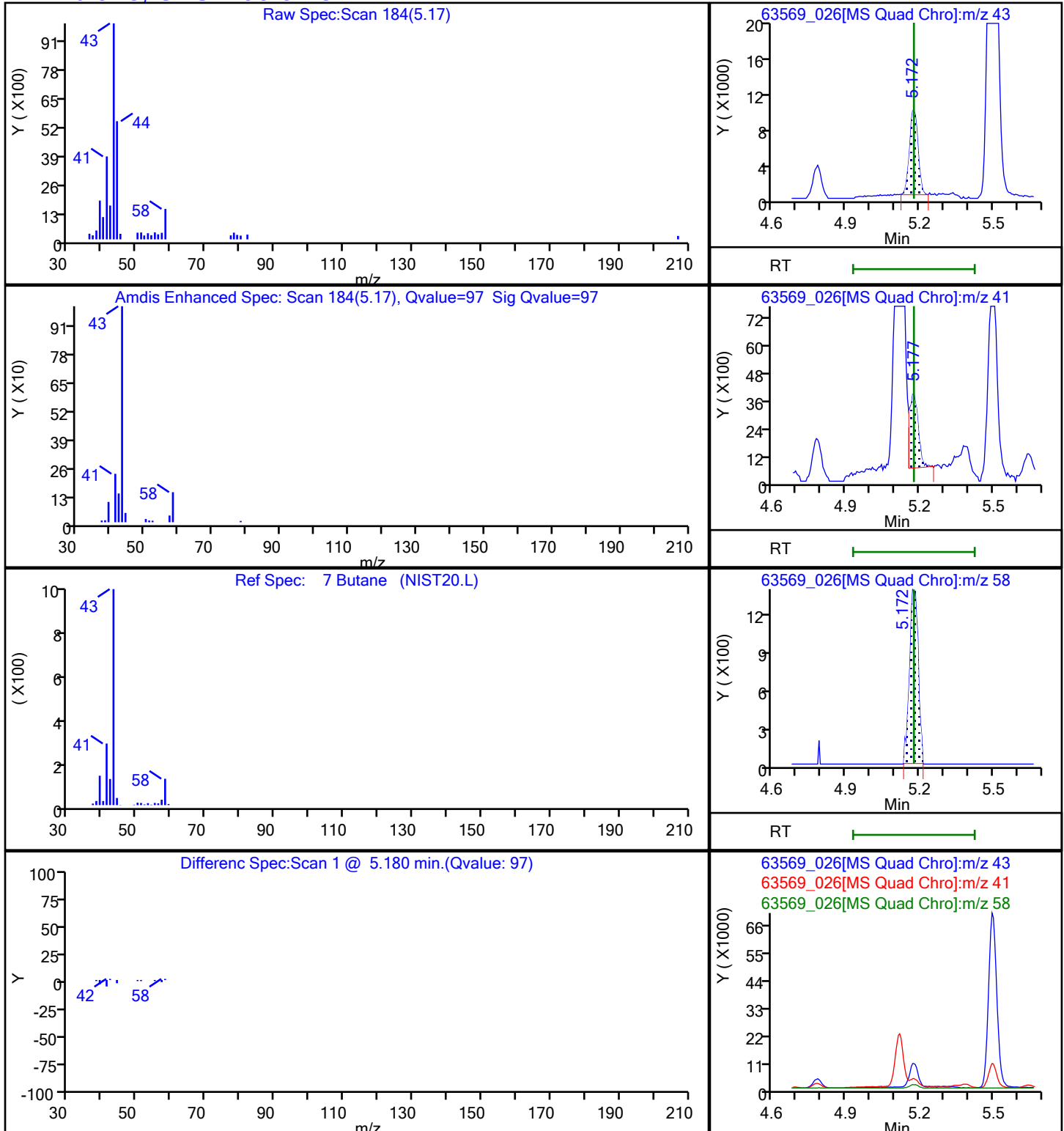
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

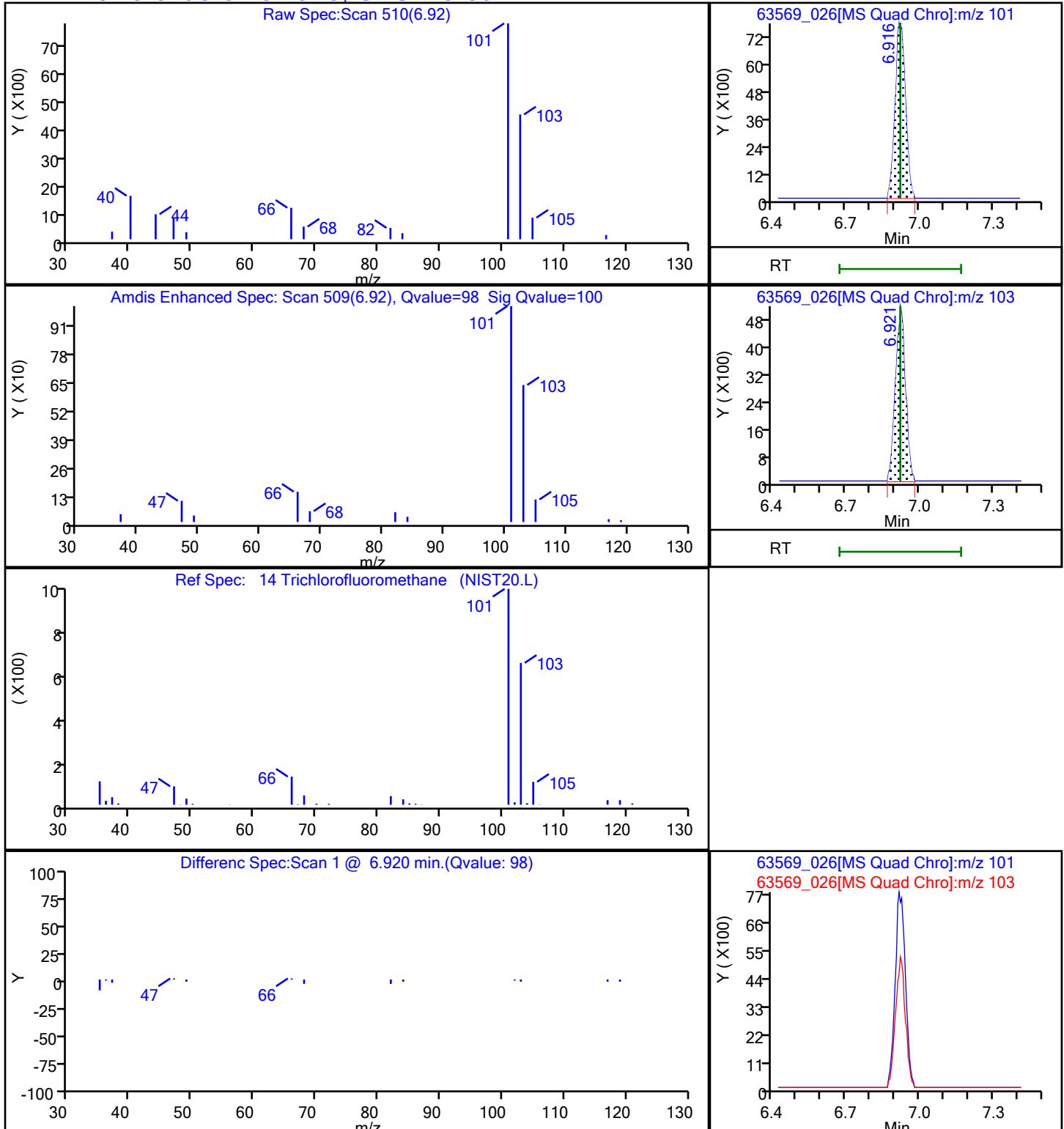
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

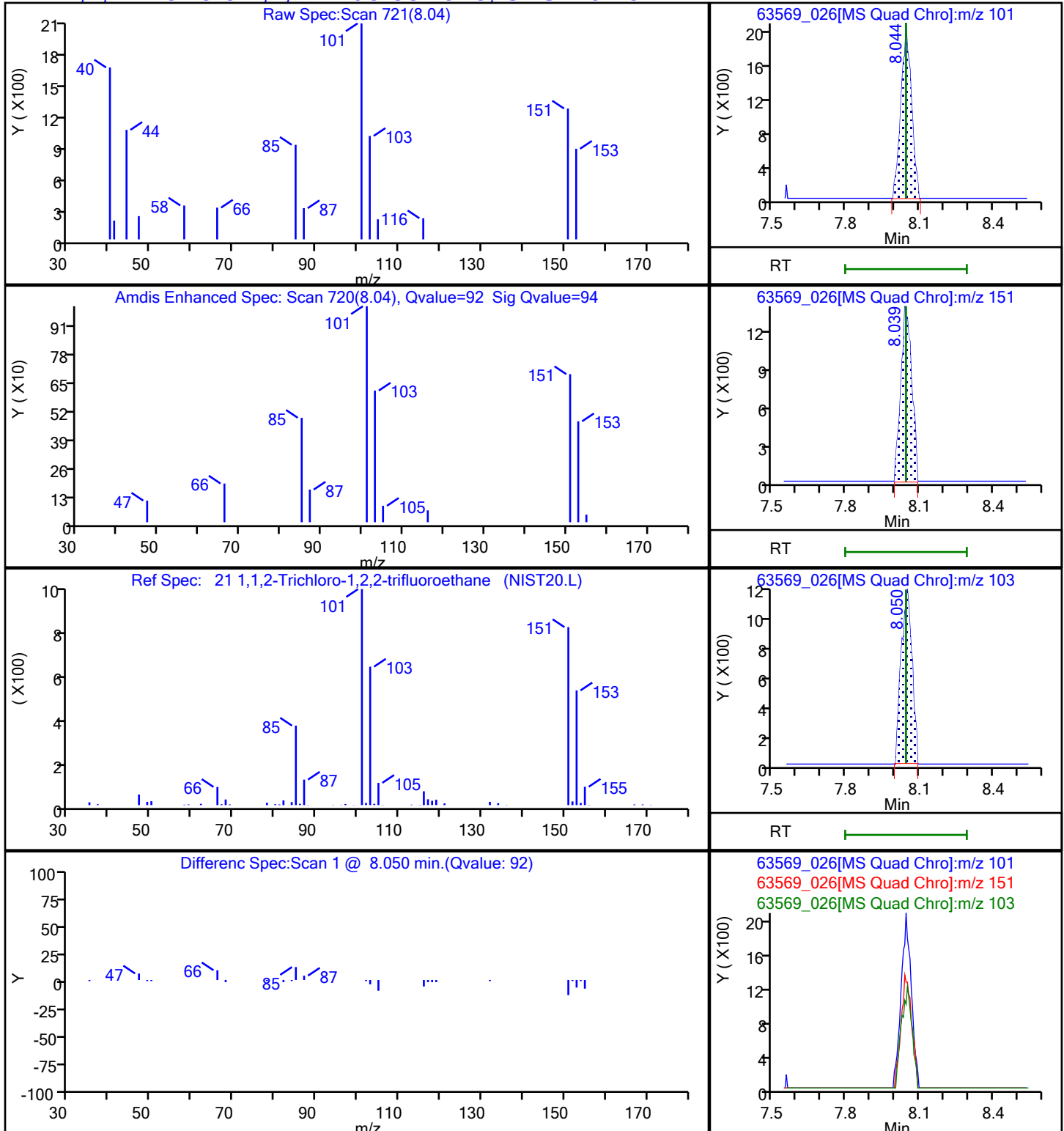
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

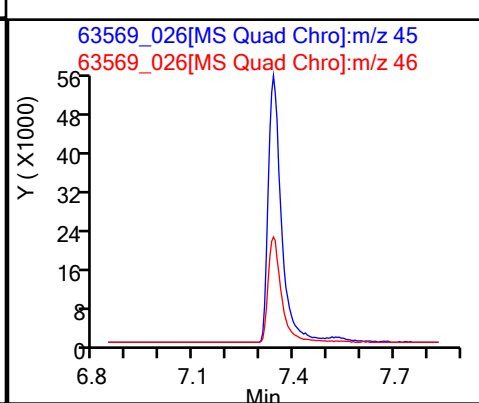
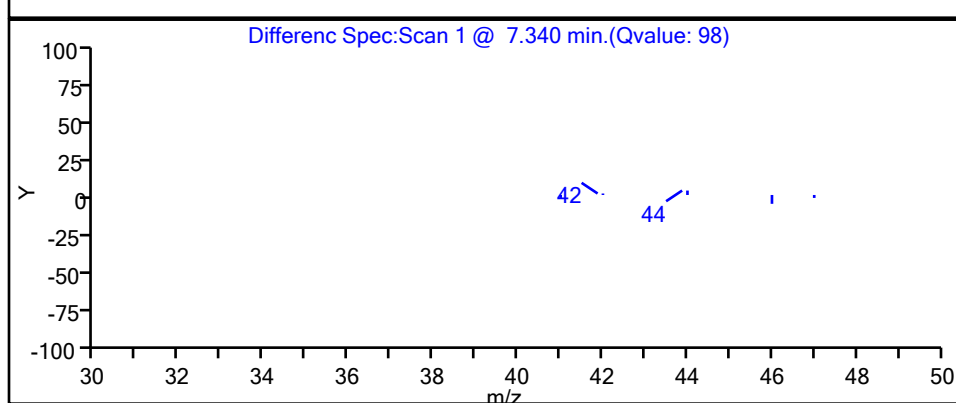
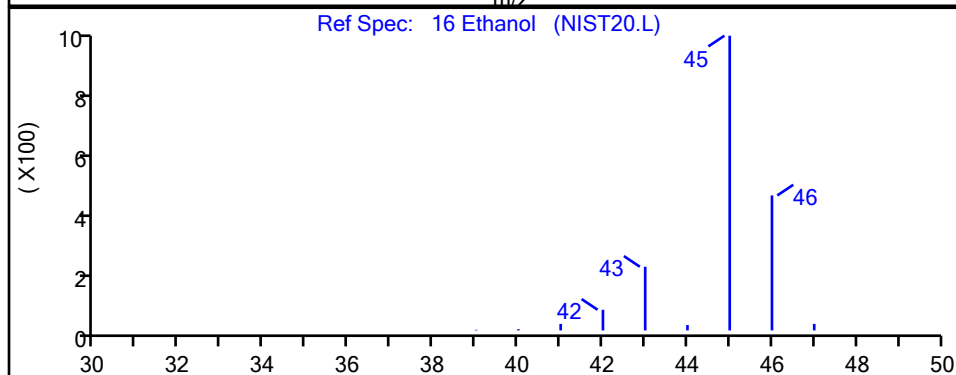
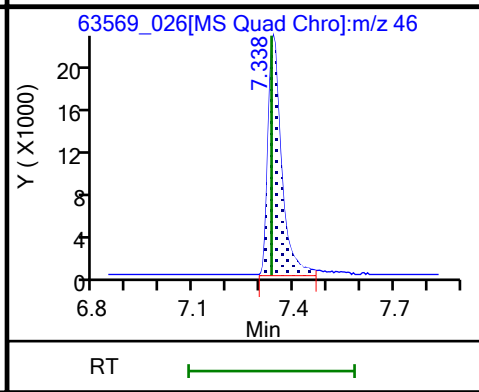
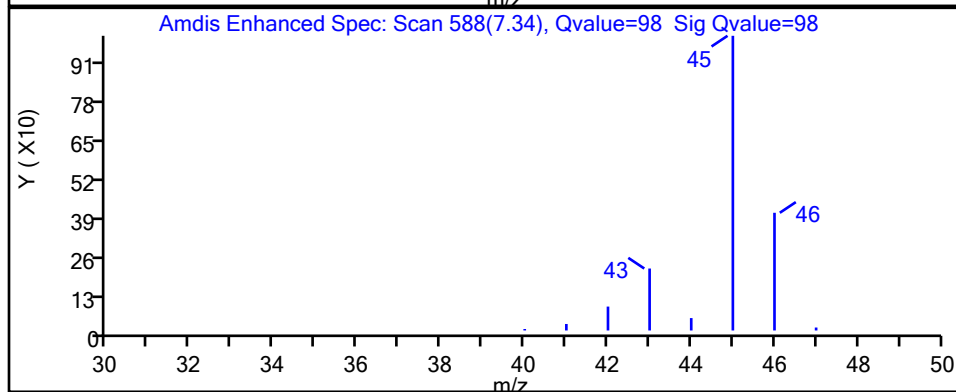
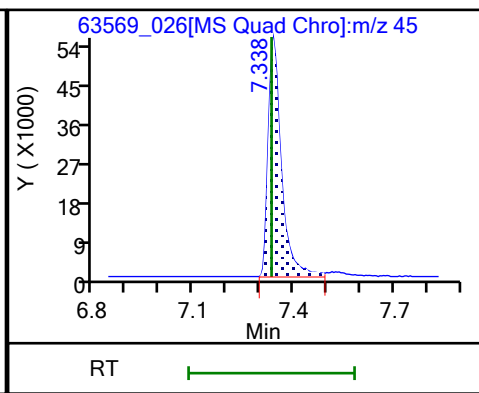
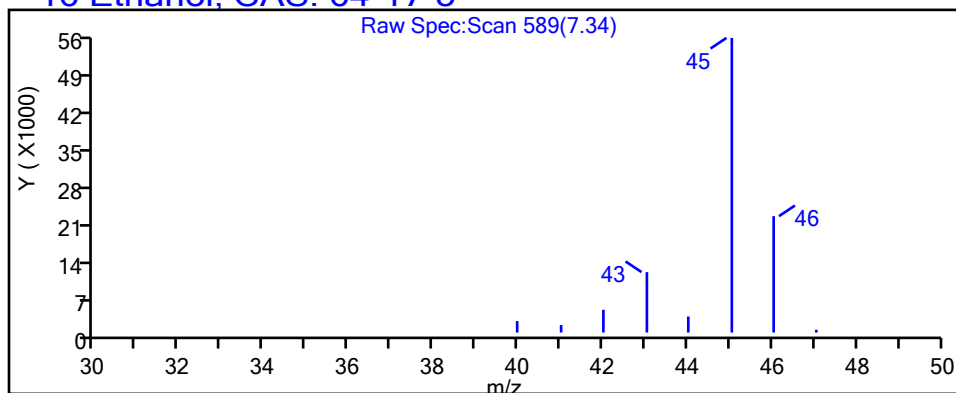
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Ethanol, CAS: 64-17-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

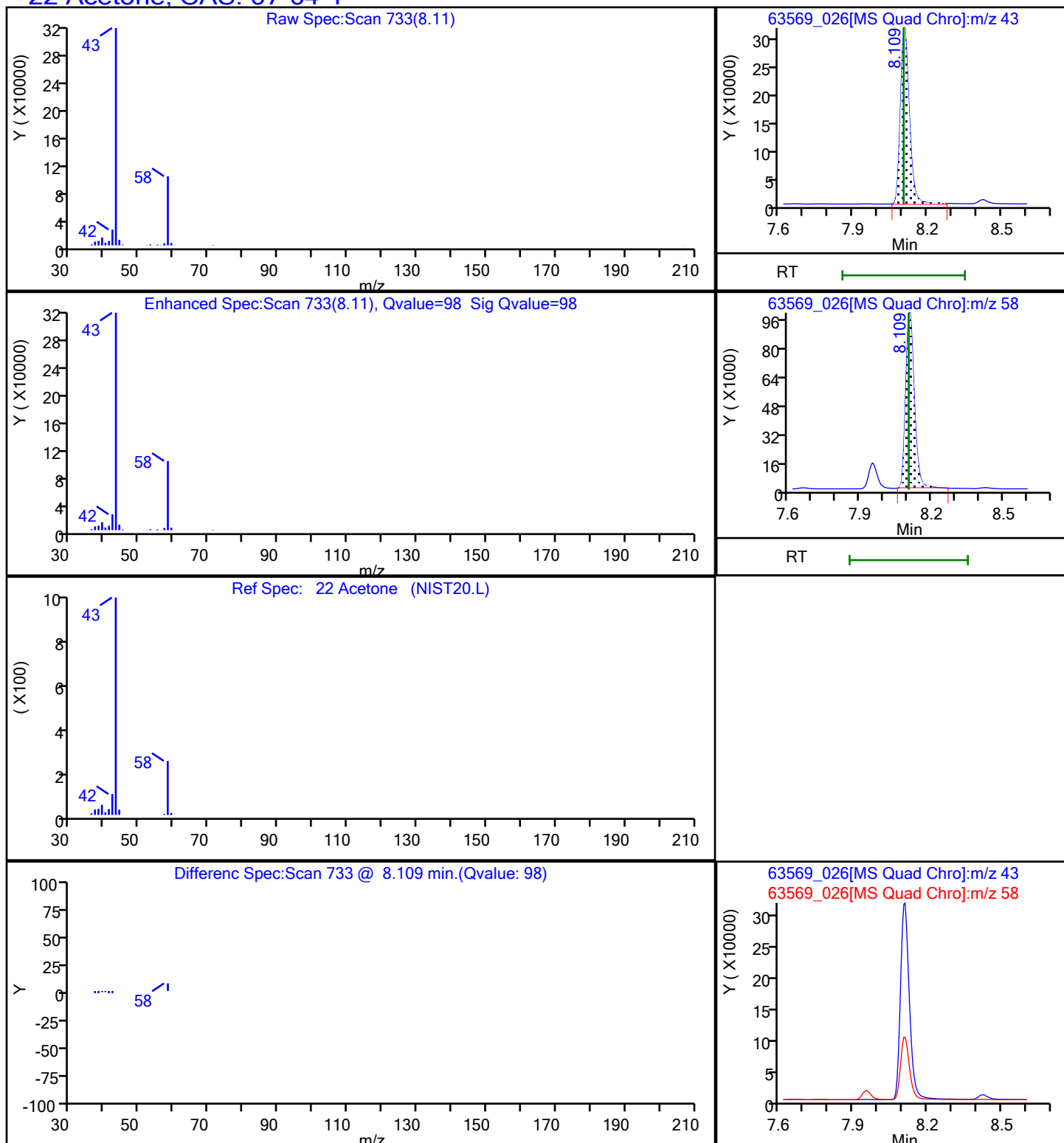
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

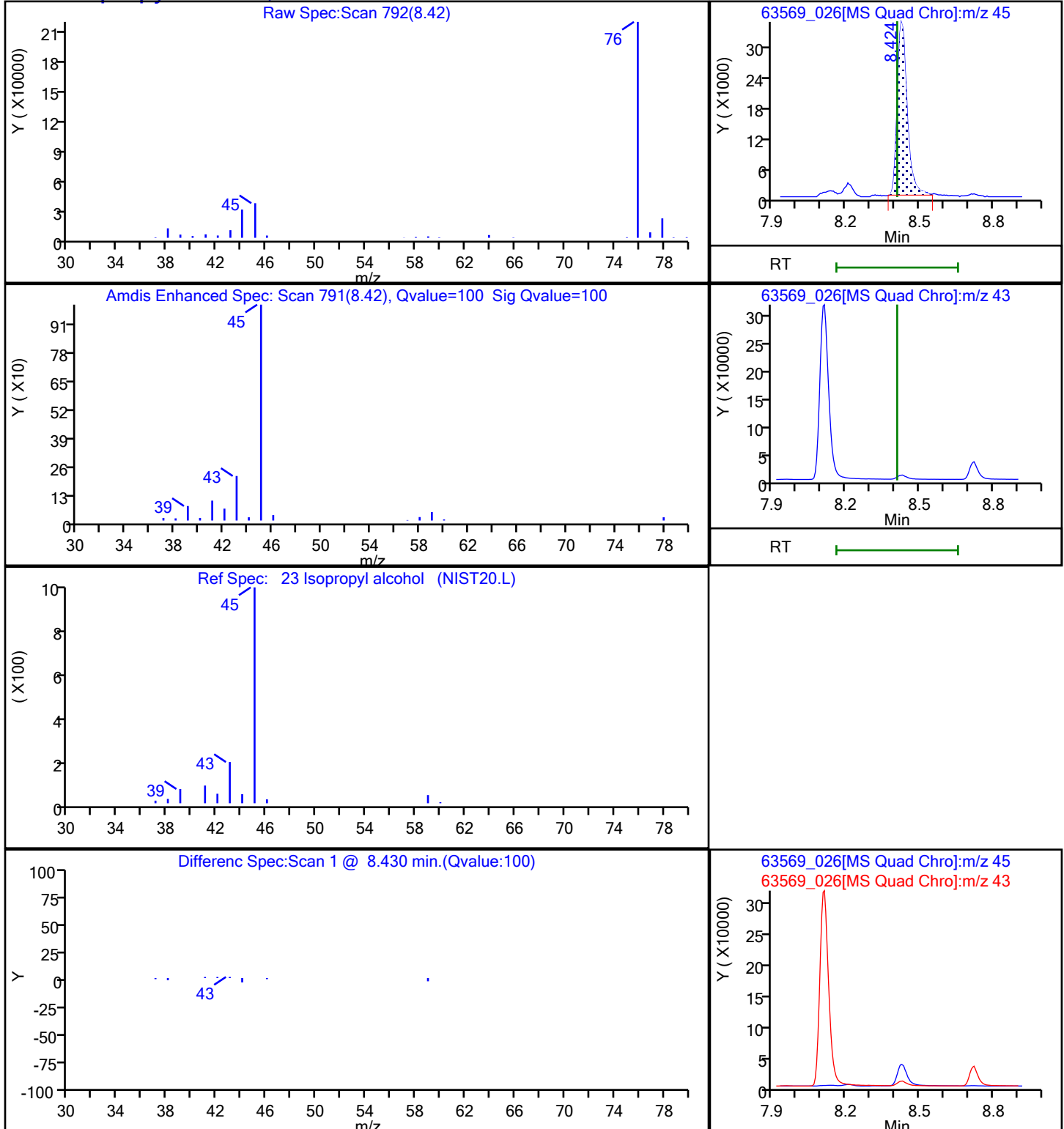
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Isopropyl alcohol, CAS: 67-63-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

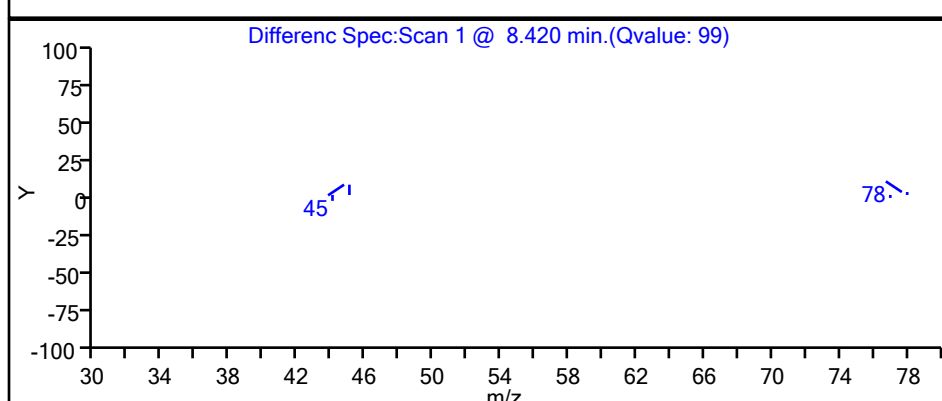
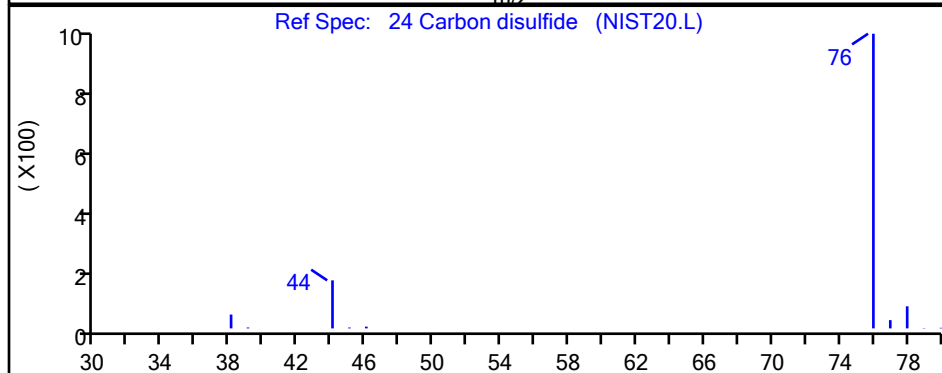
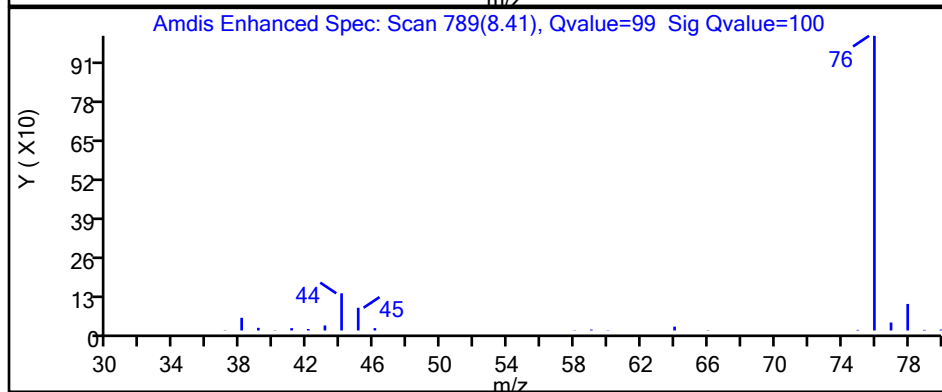
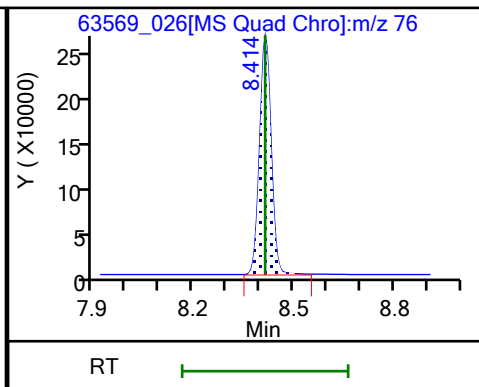
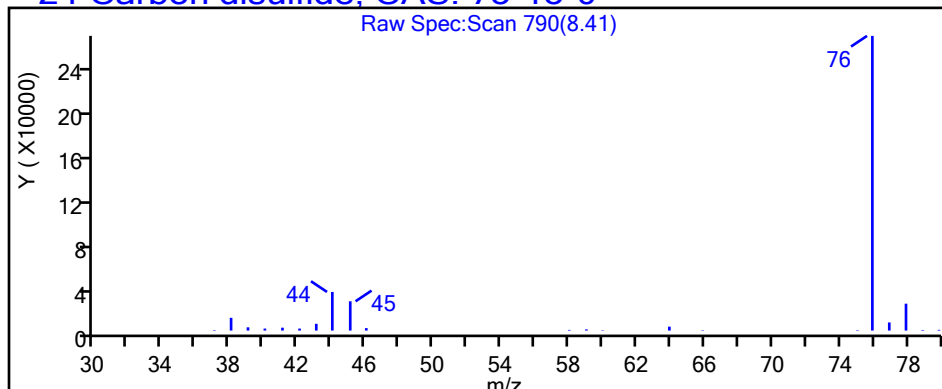
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

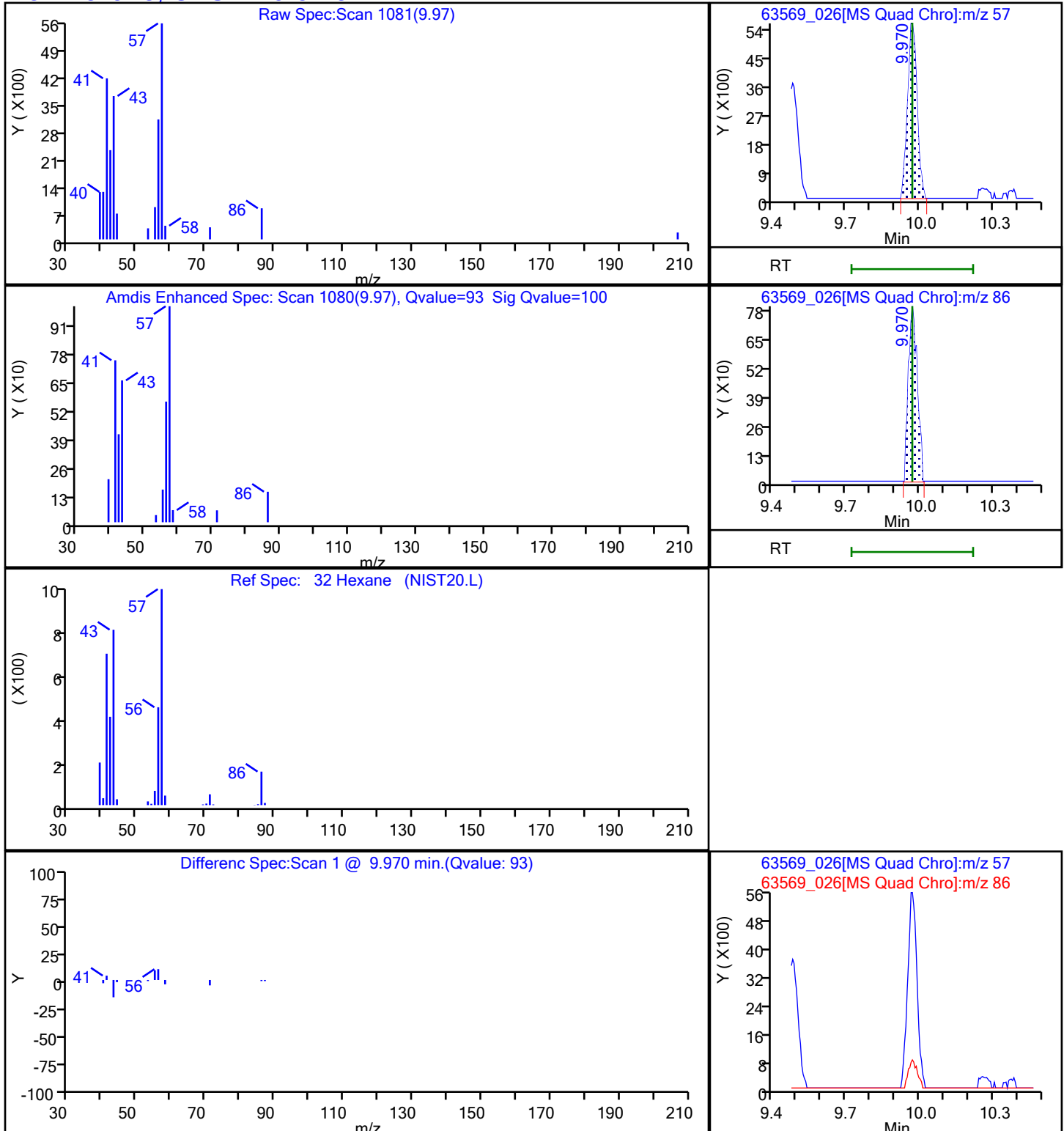
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

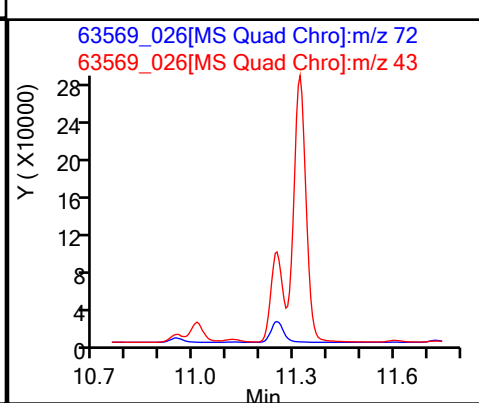
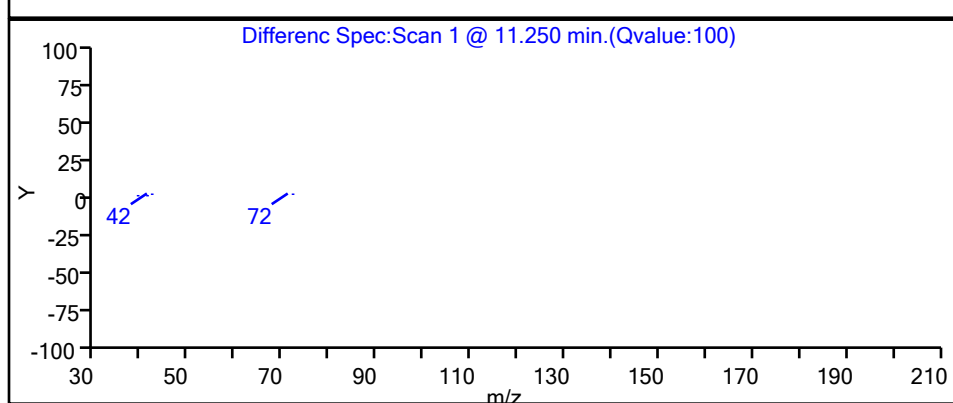
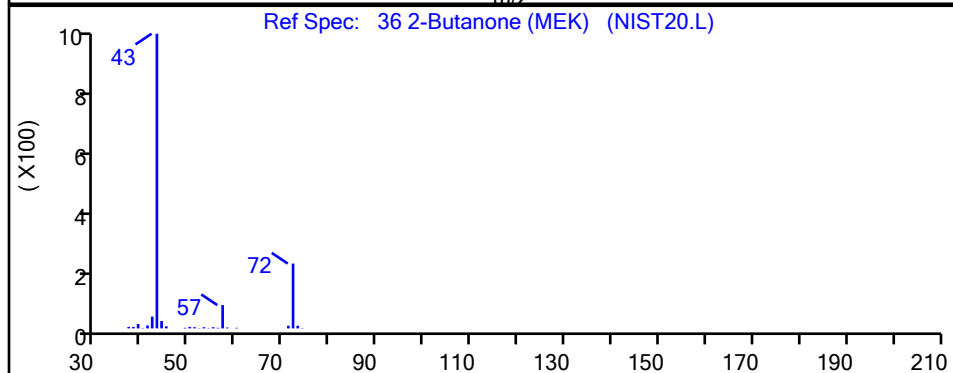
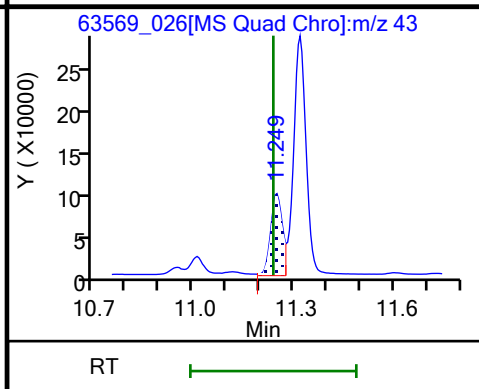
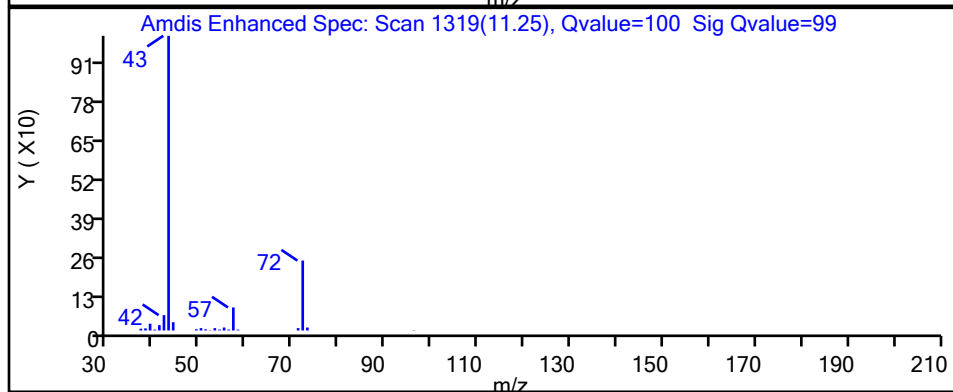
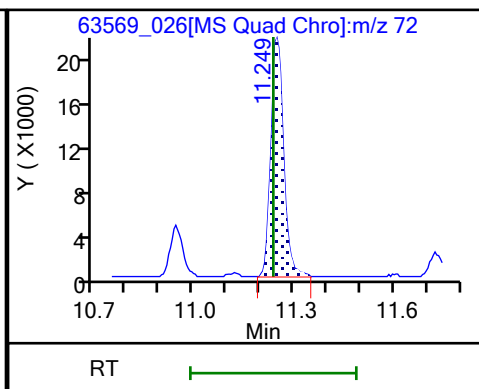
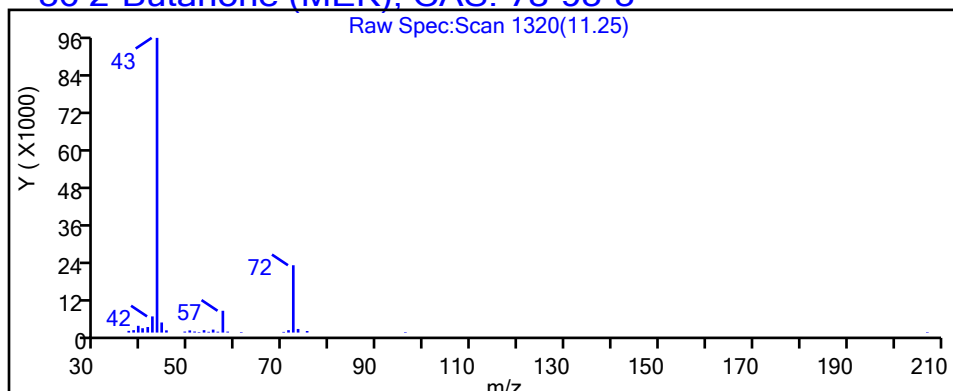
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

36 2-Butanone (MEK). CAS: 78-93-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

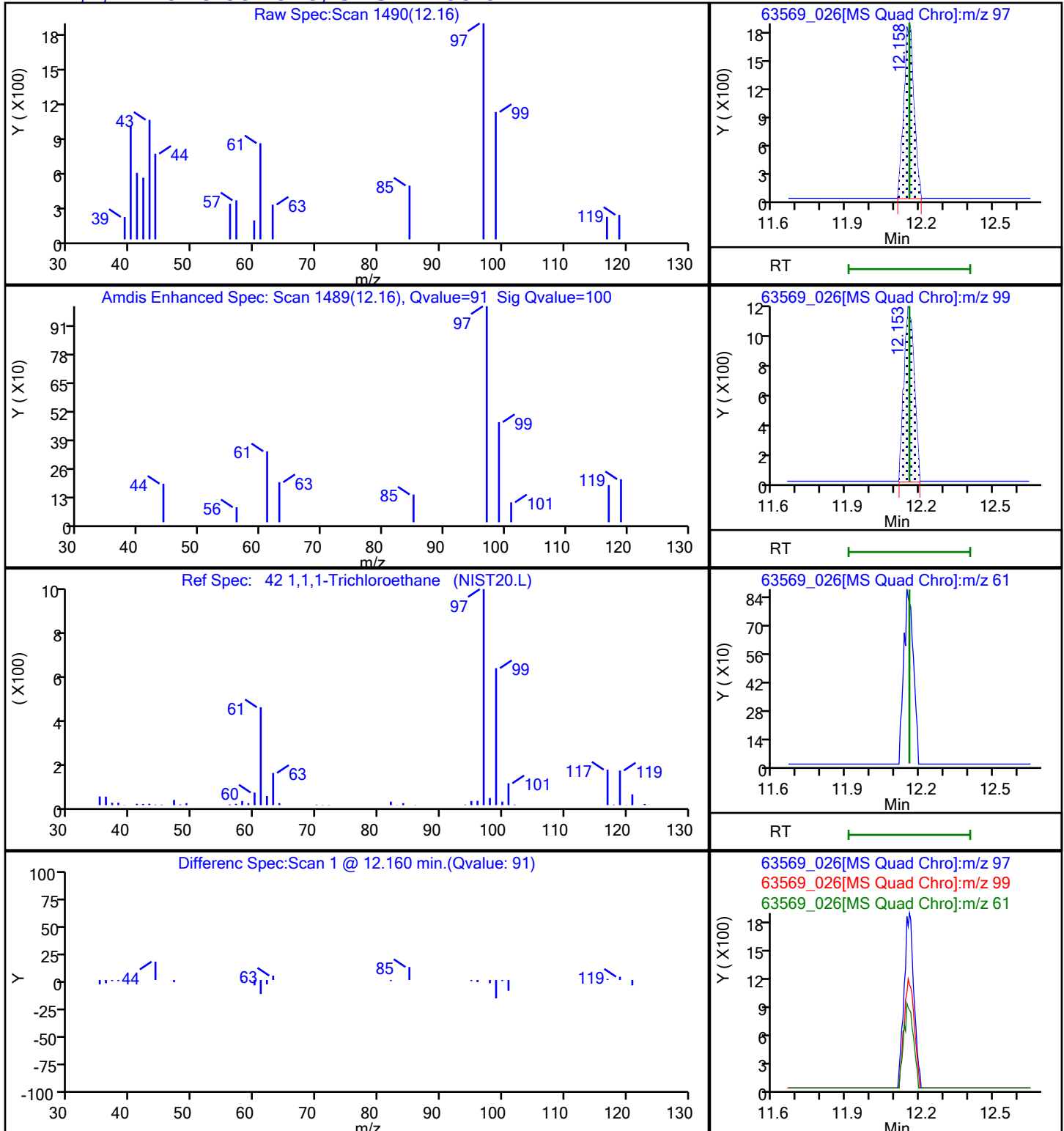
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

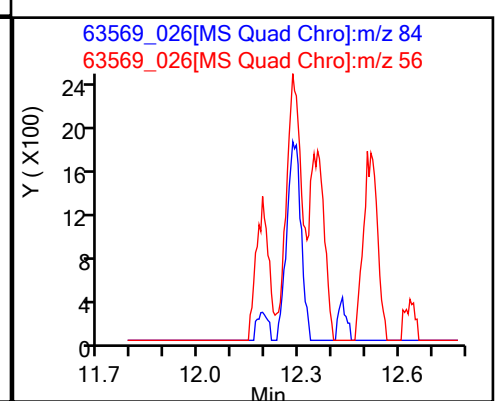
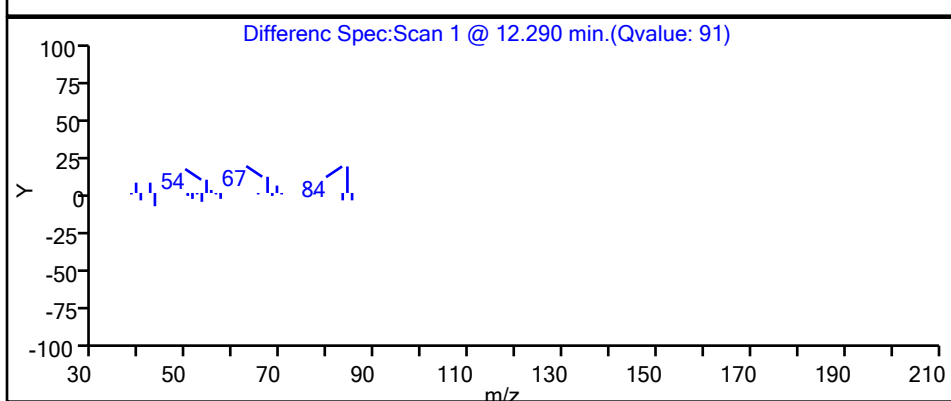
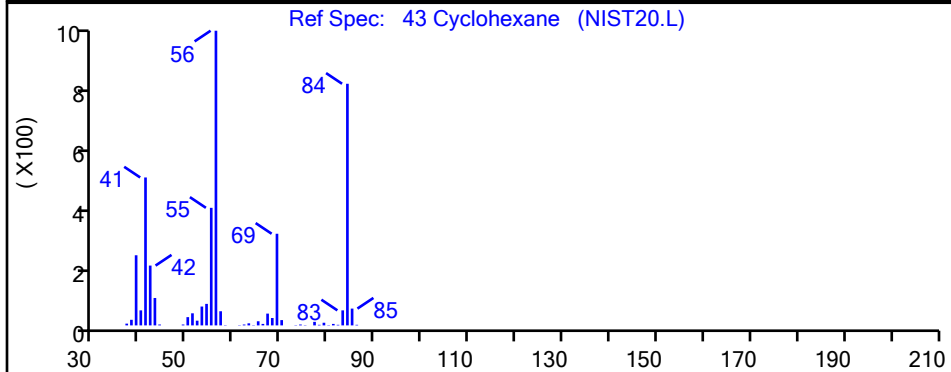
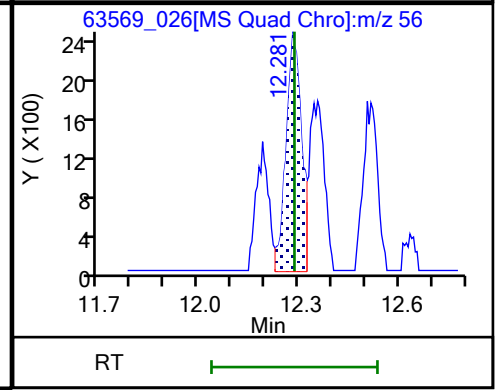
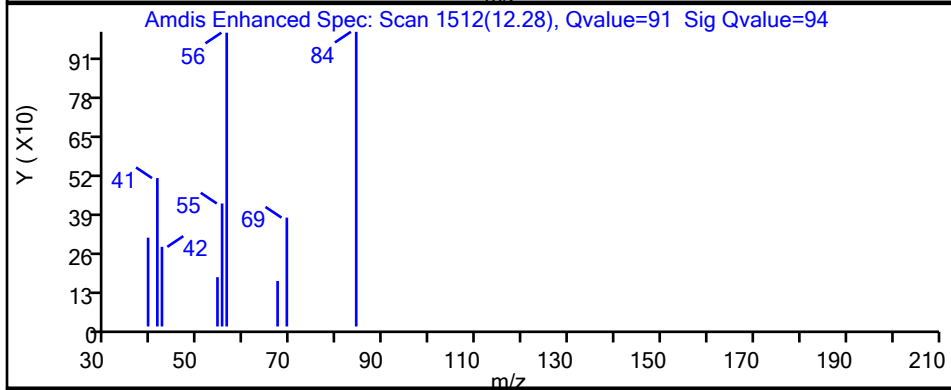
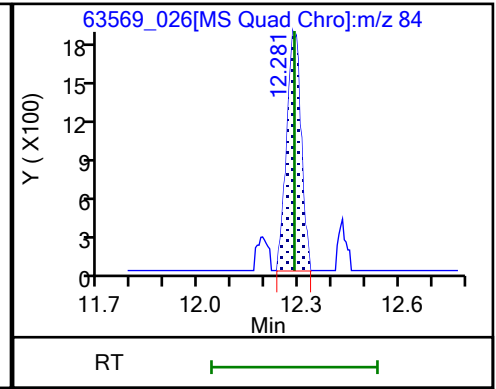
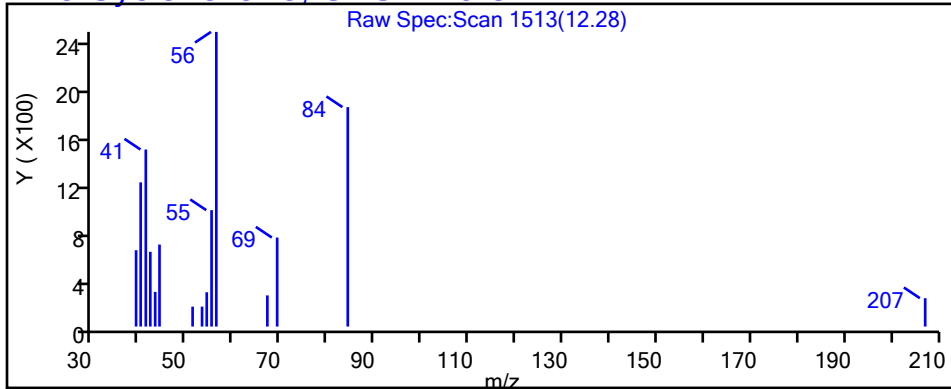
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

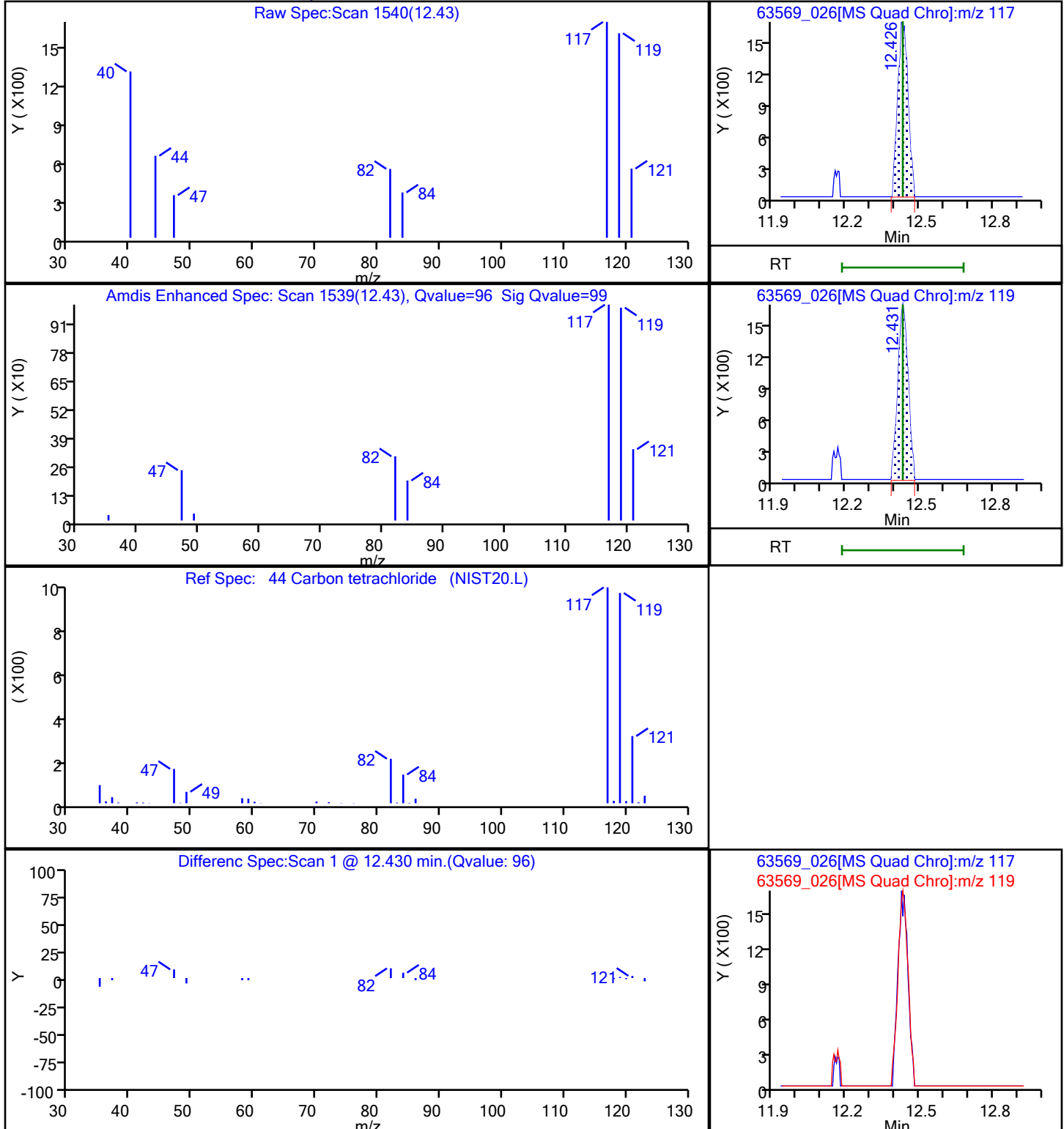
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

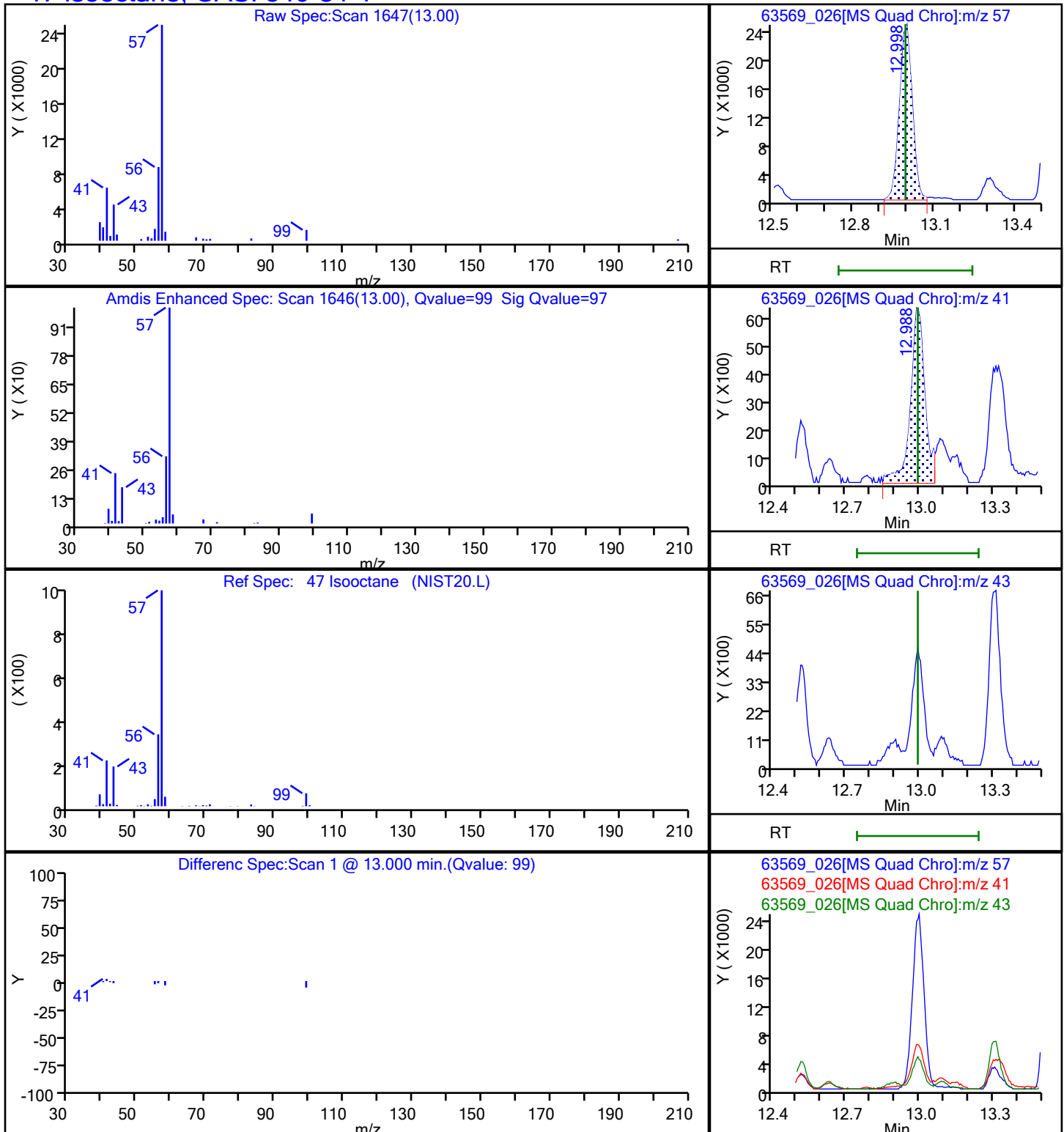
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Isooctane, CAS: 540-84-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

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Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

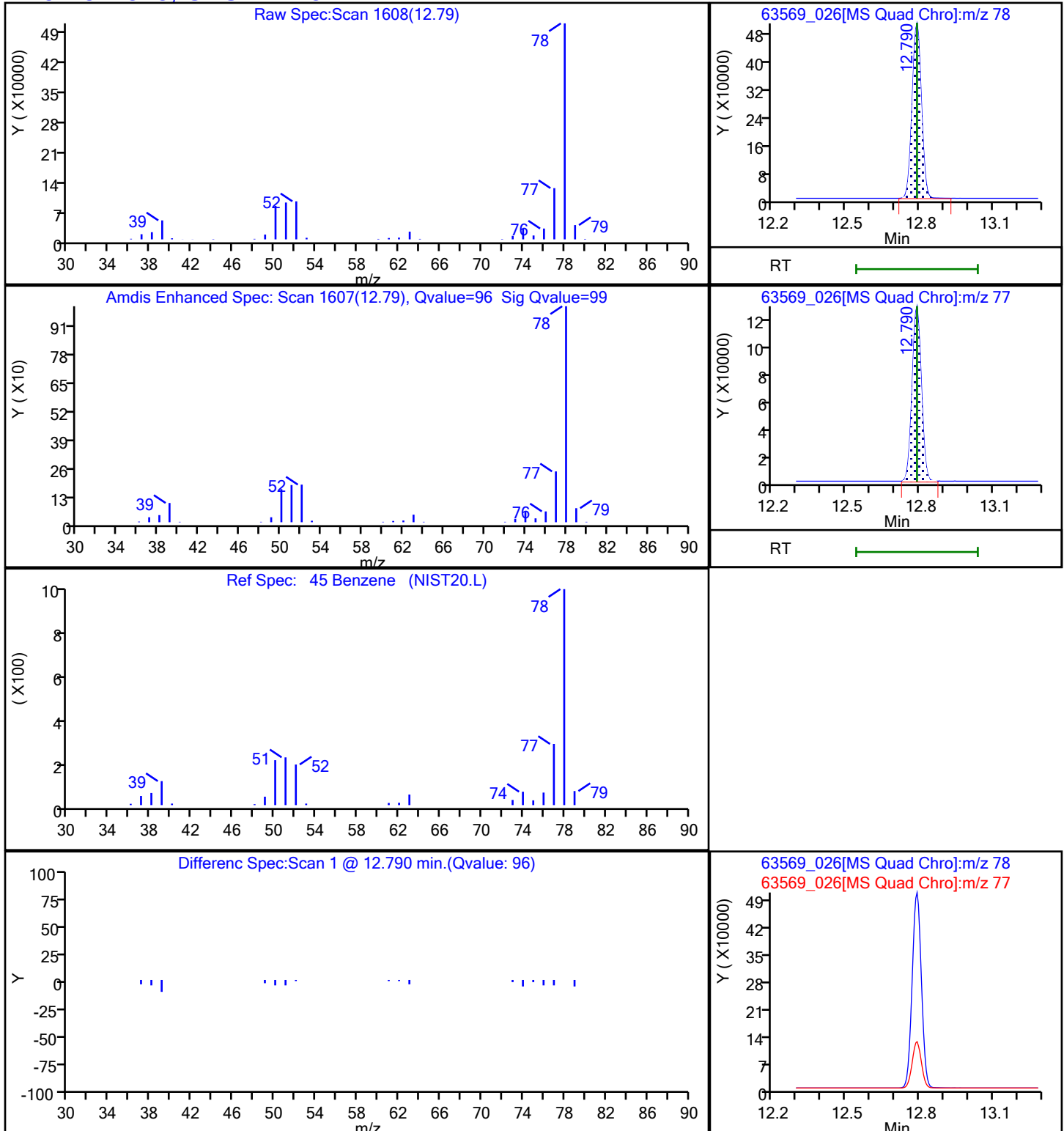
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

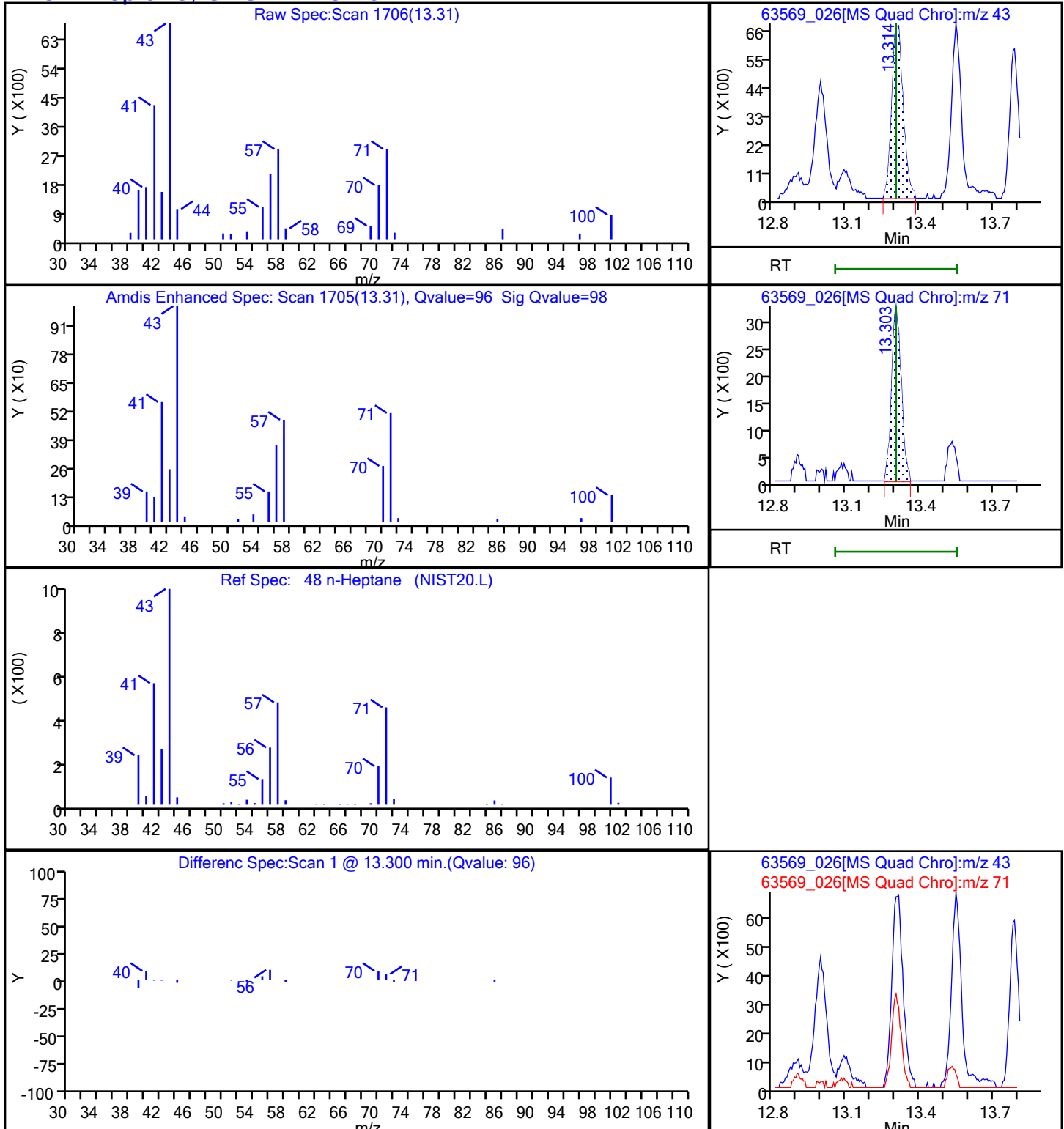
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

48 n-Heptane, CAS: 142-82-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

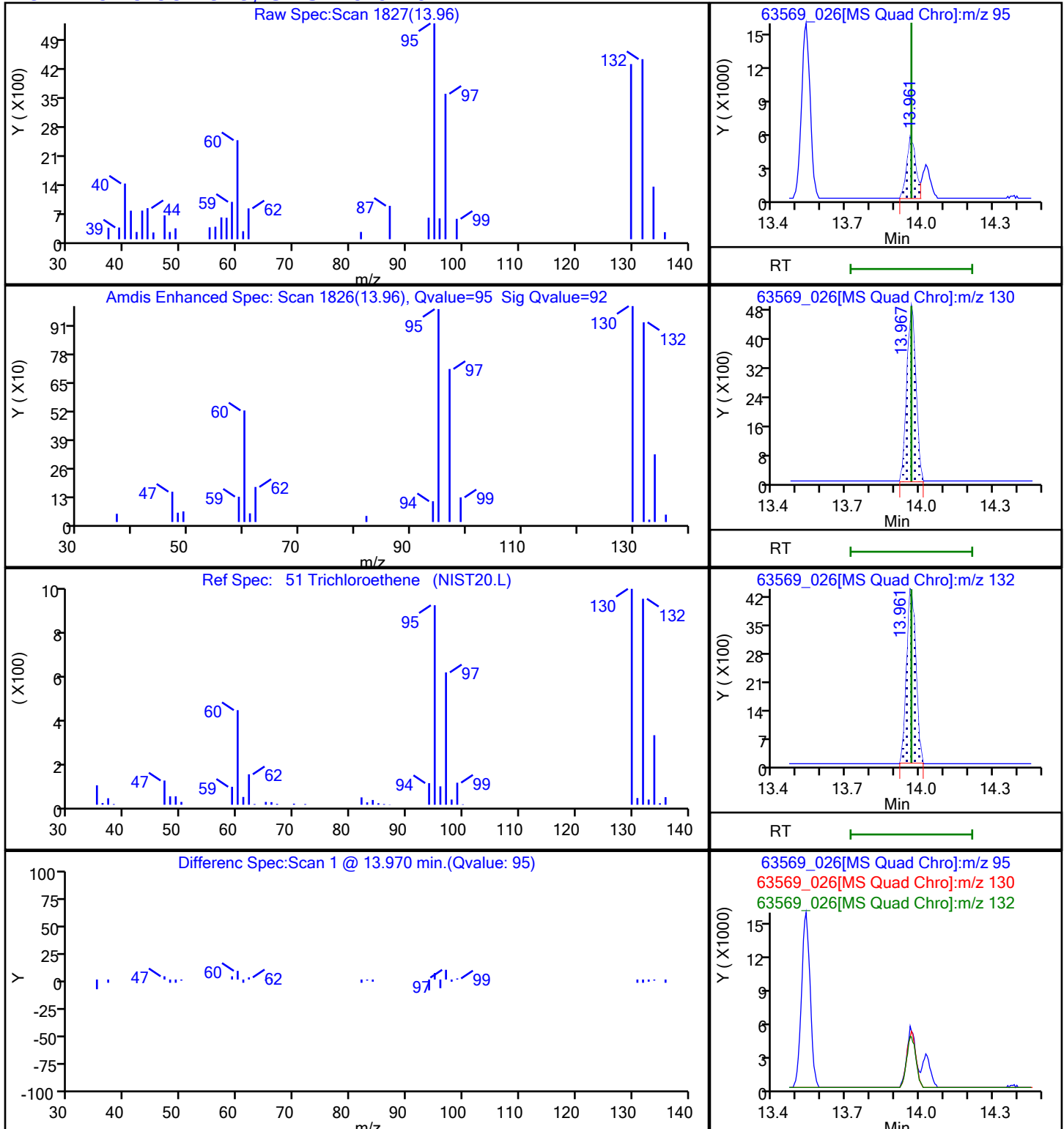
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

51 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

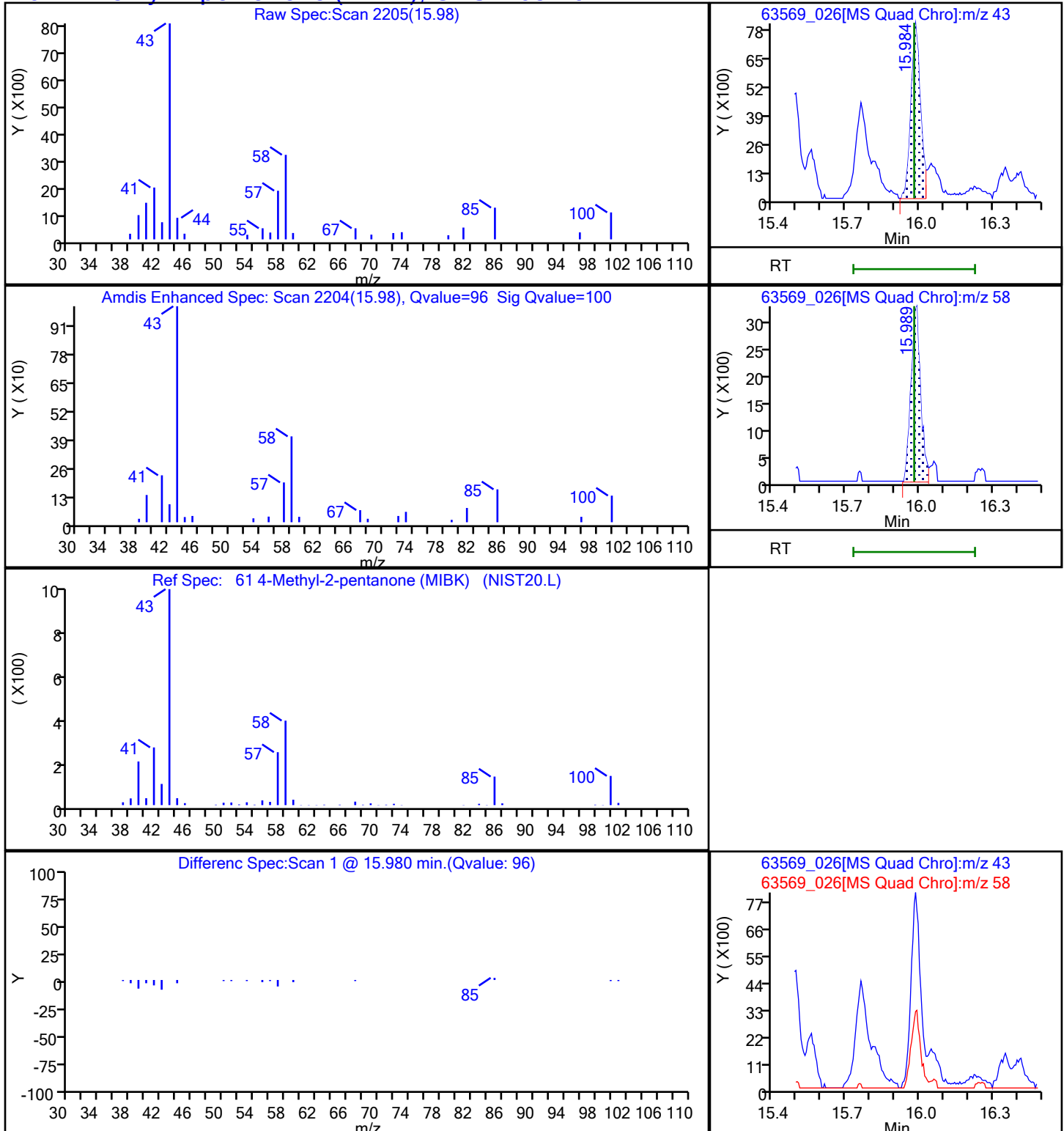
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

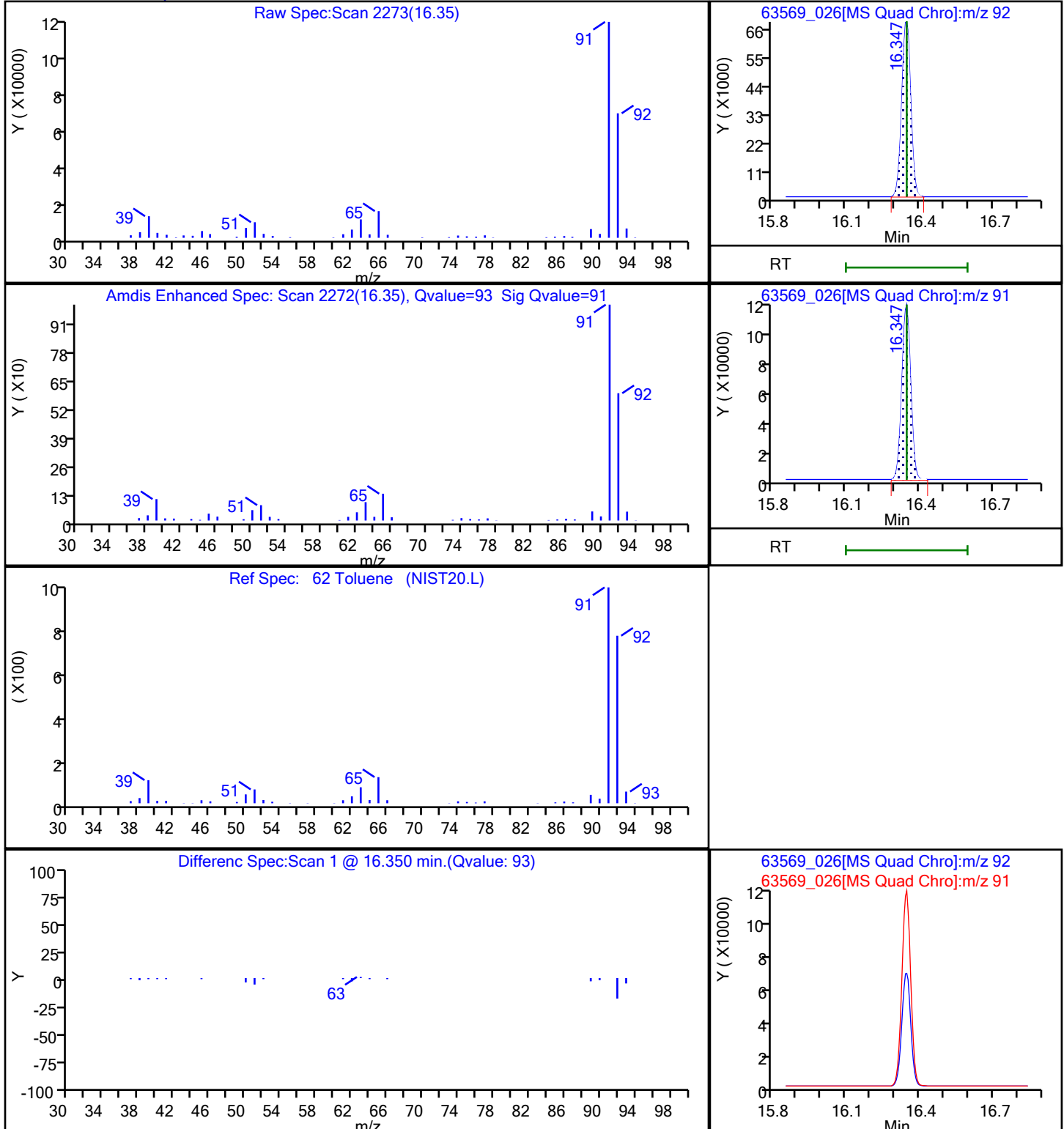
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

62 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

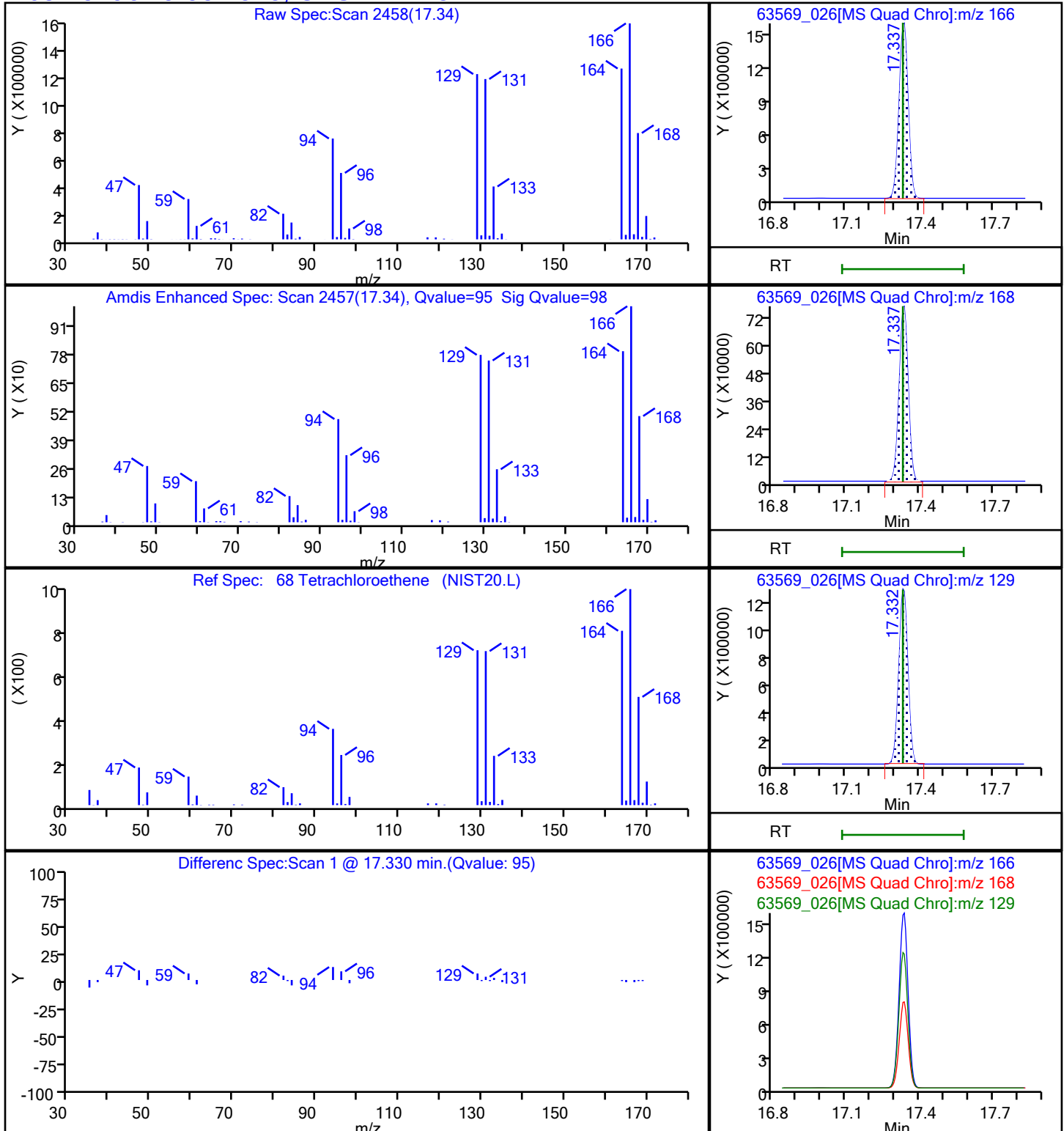
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

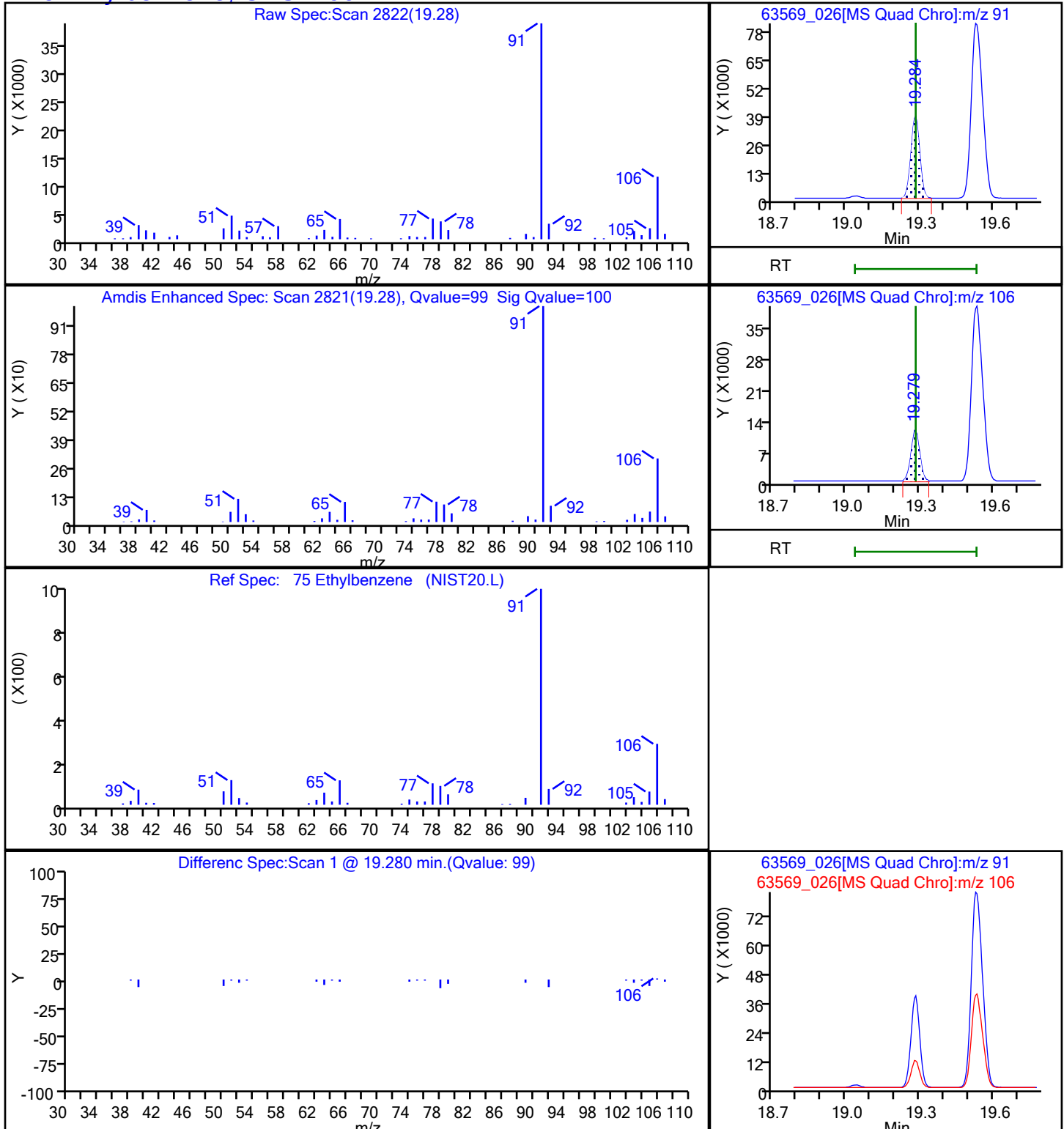
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

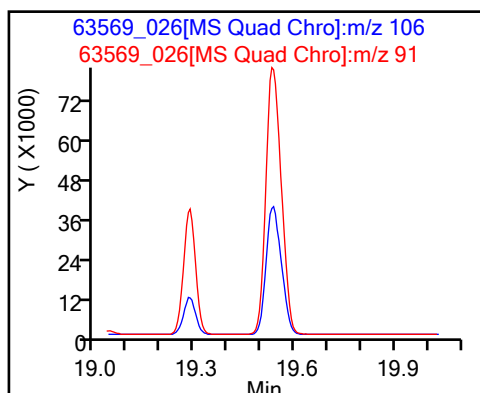
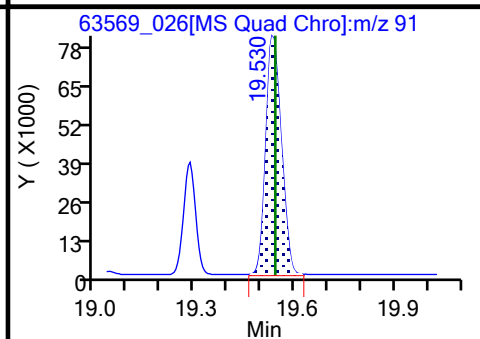
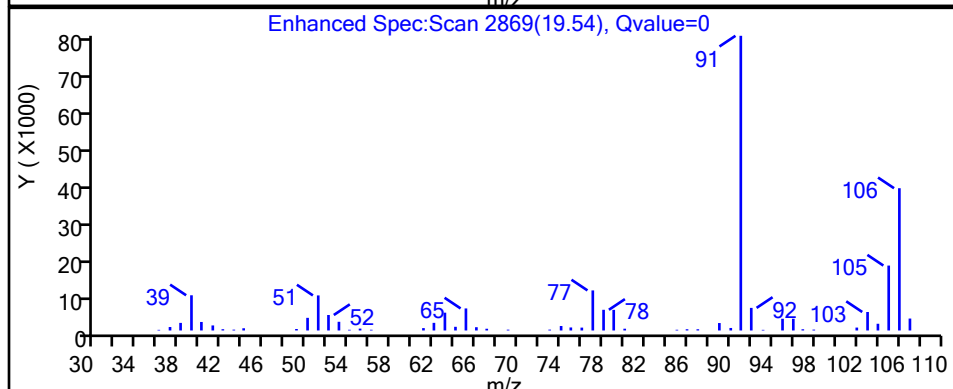
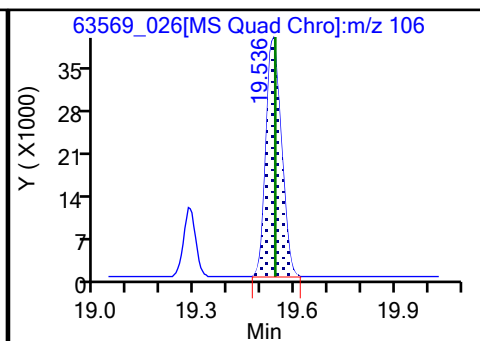
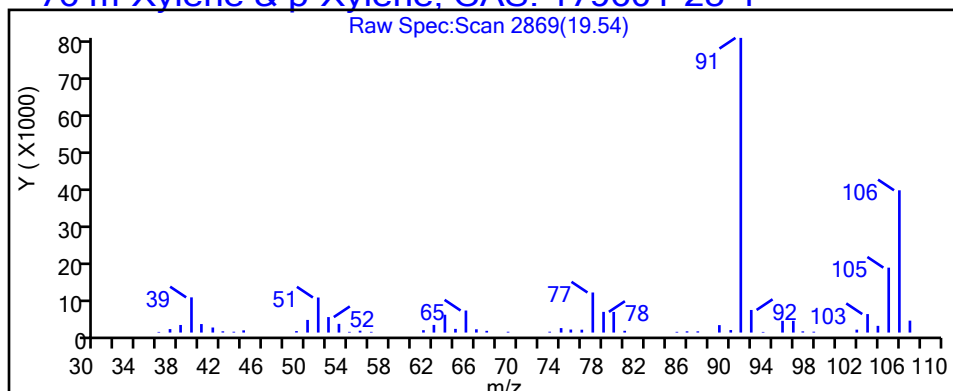
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

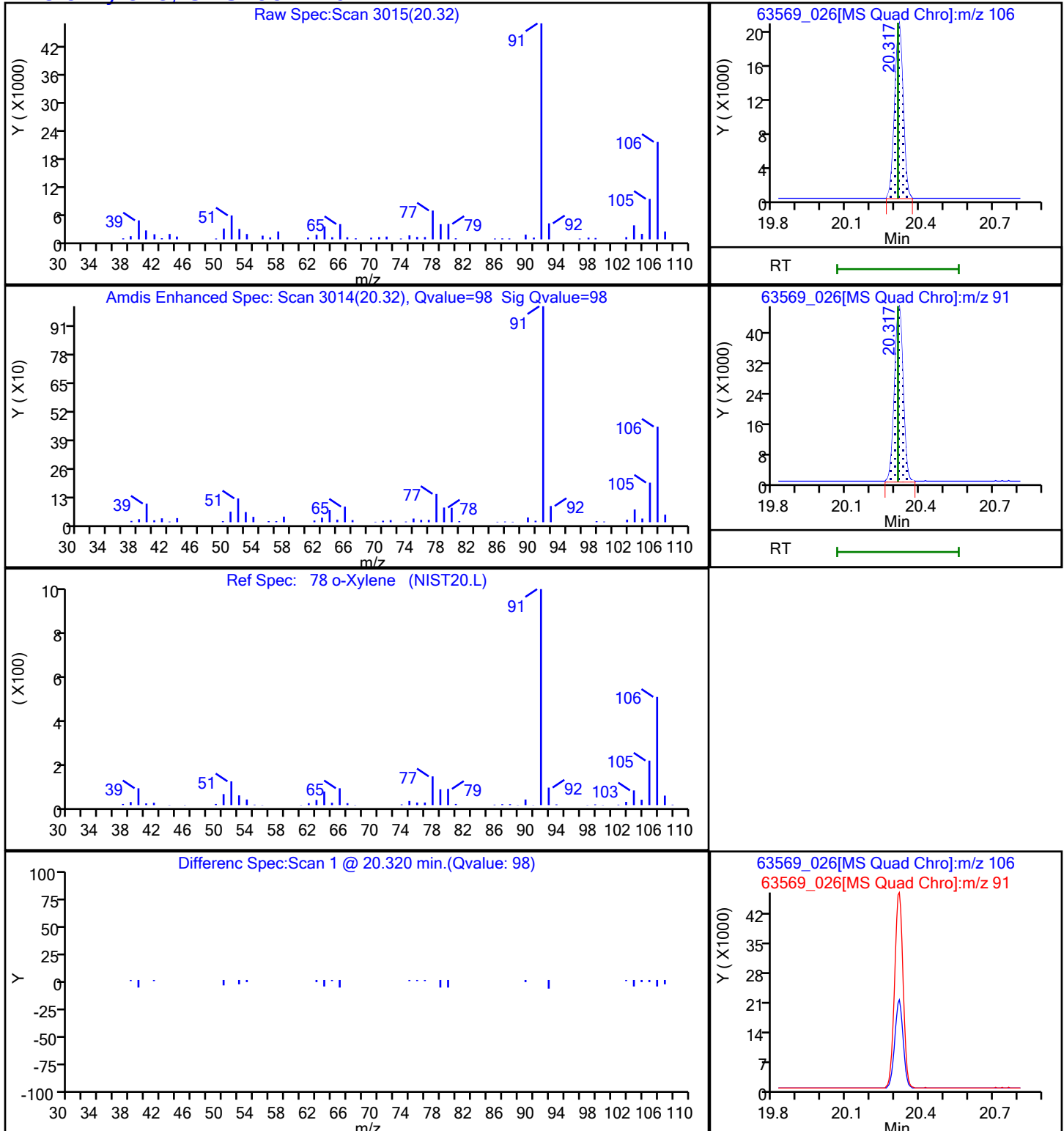
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

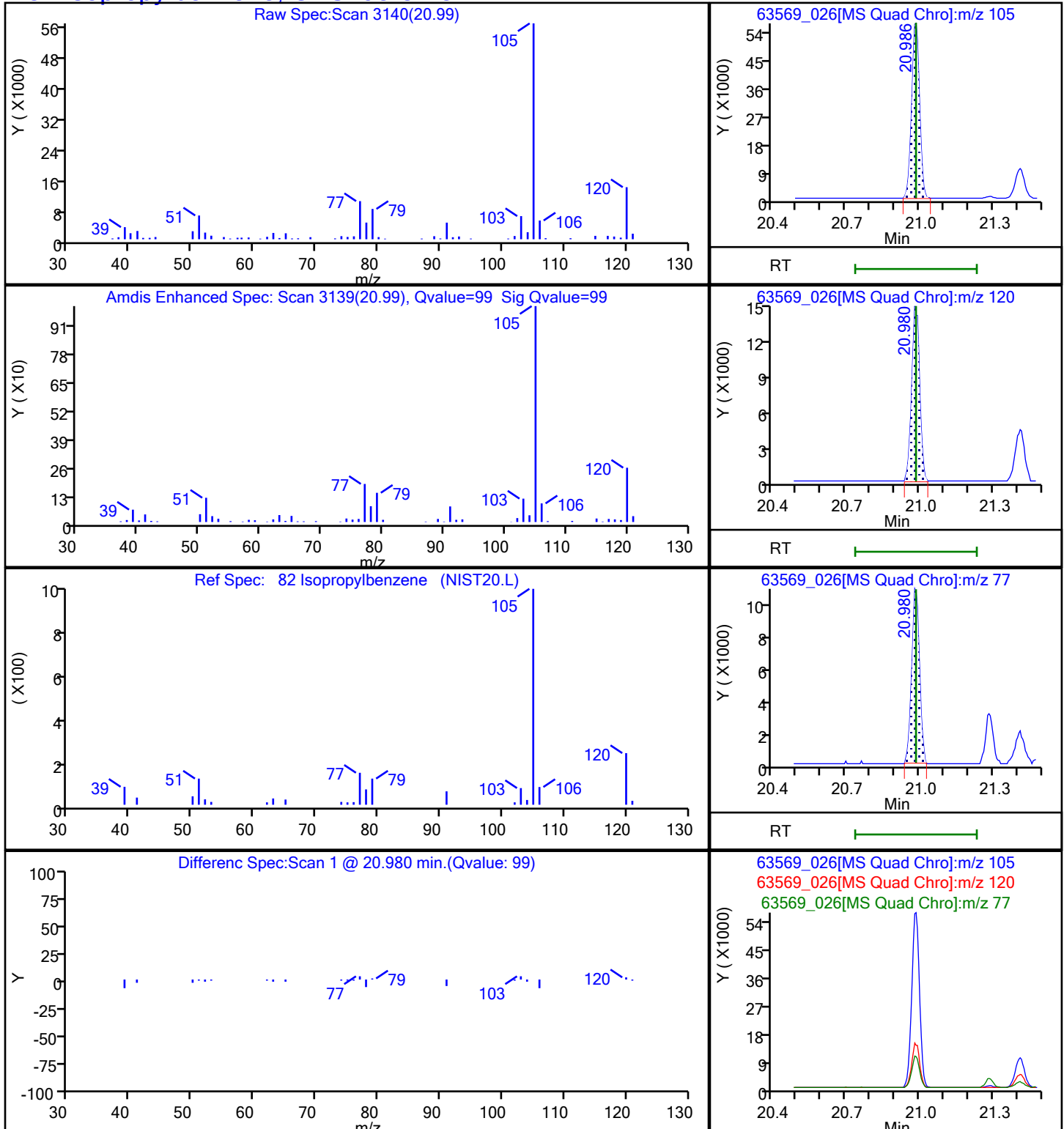
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

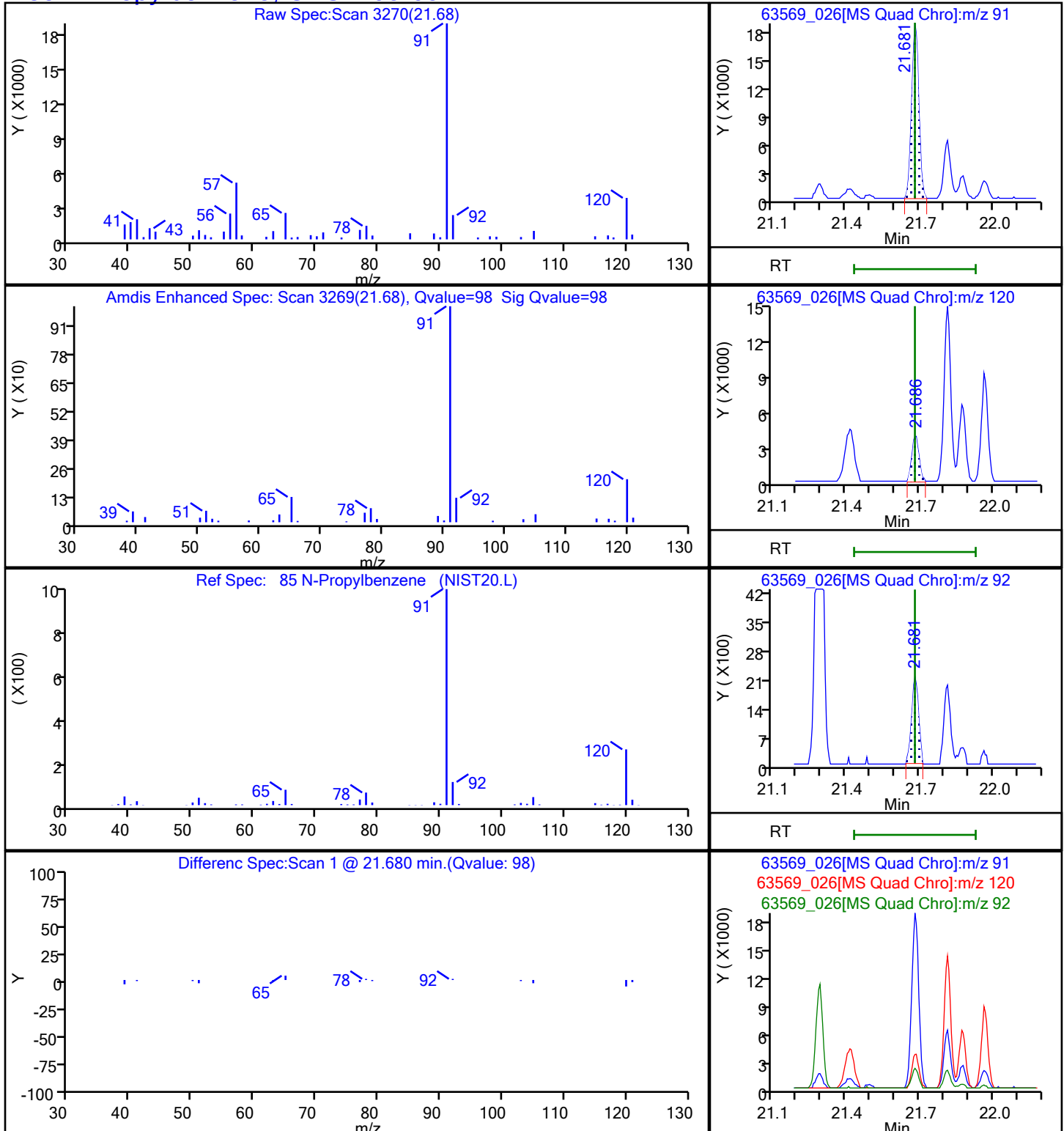
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

85 N-Propylbenzene, CAS: 103-65-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

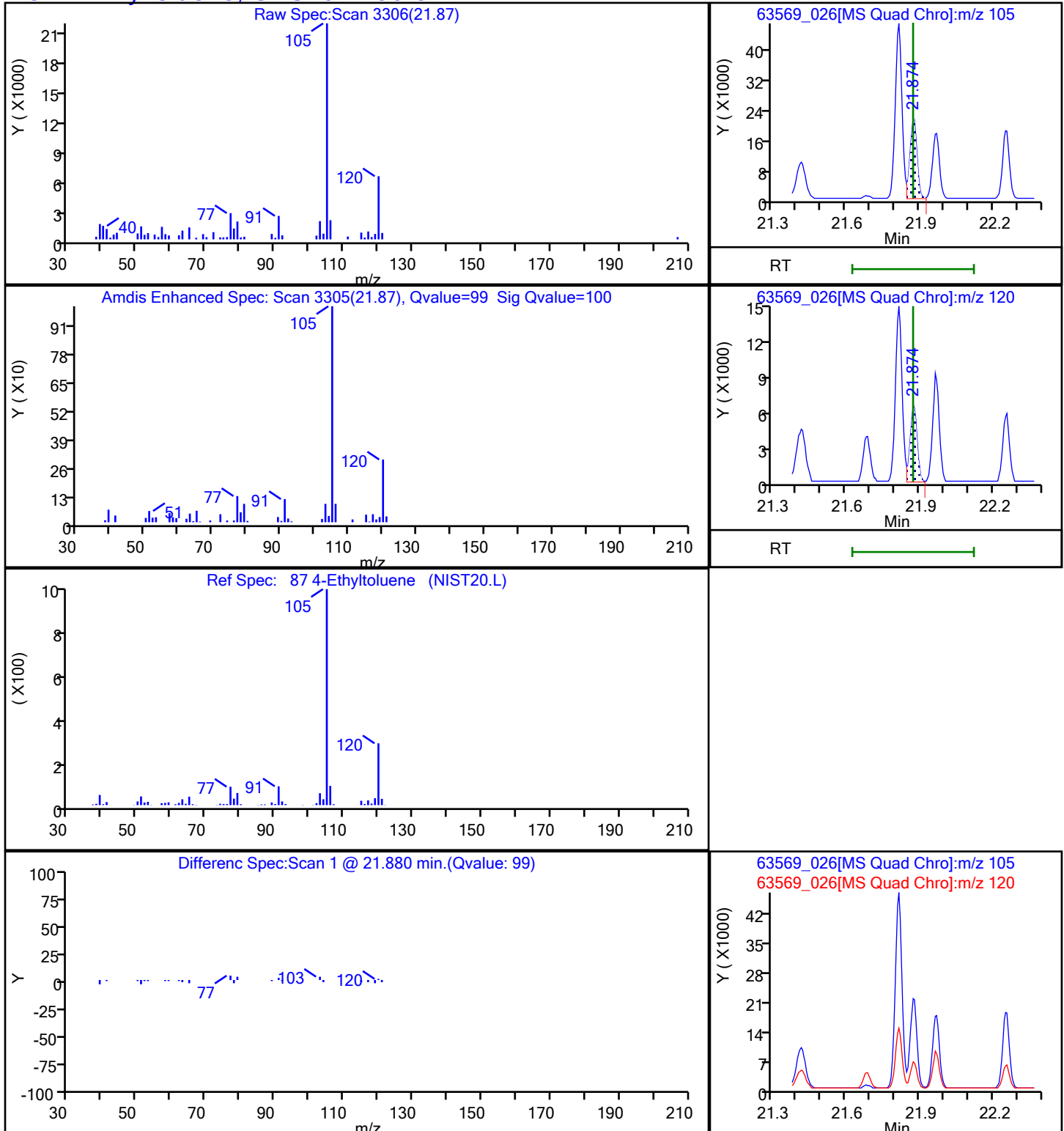
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

87 4-Ethyltoluene, CAS: 622-96-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

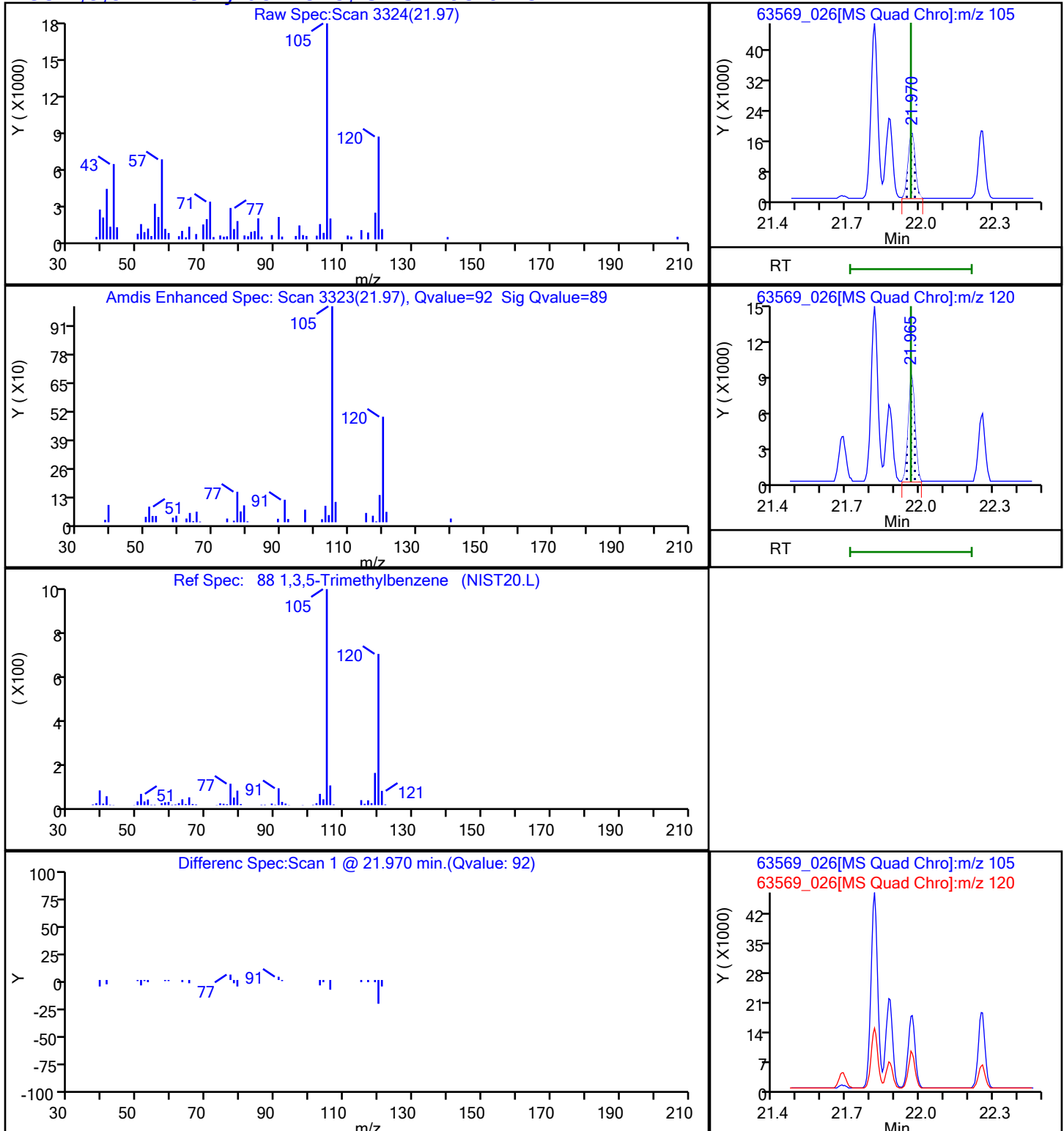
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

88 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

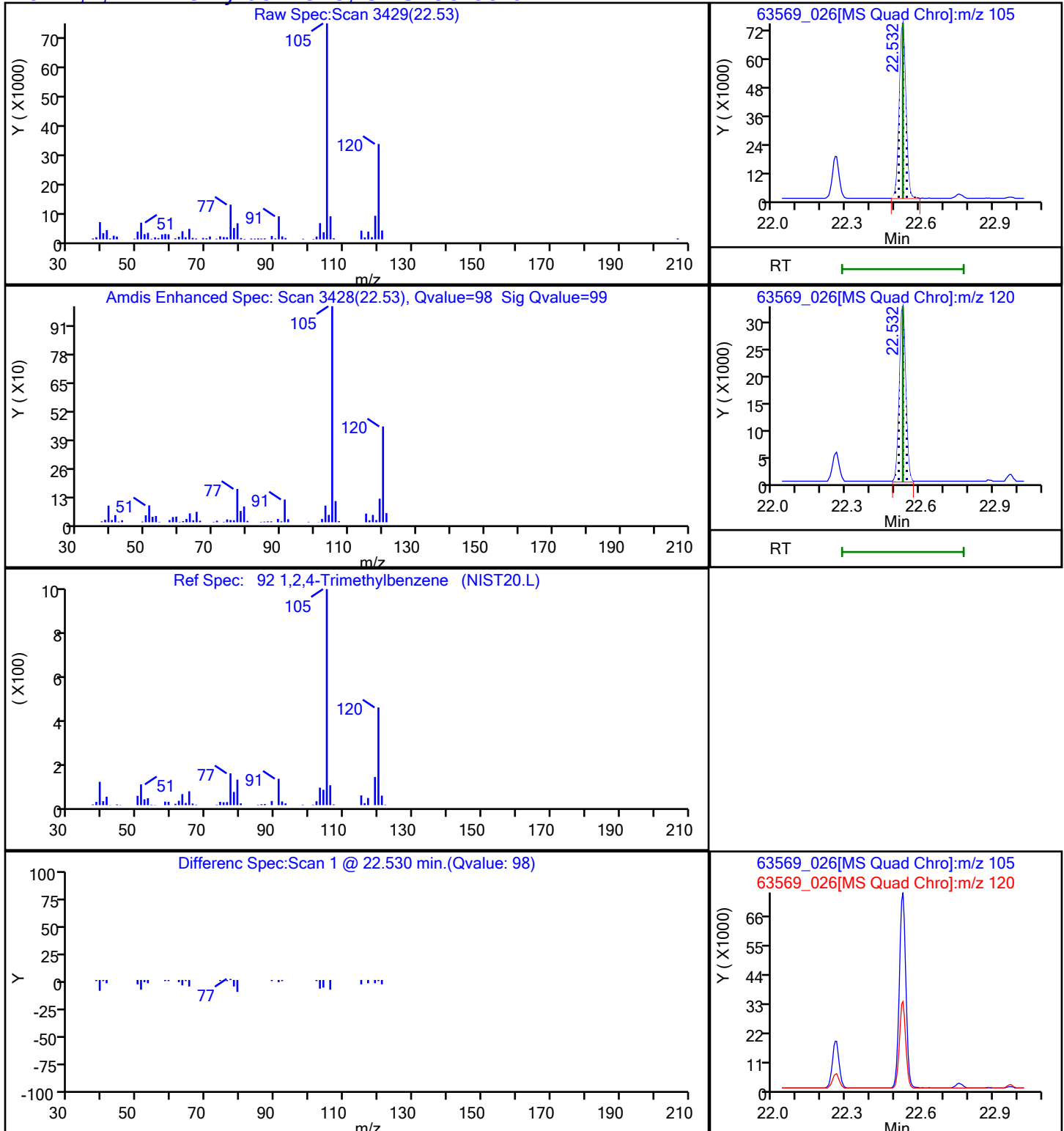
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 200.000 mL

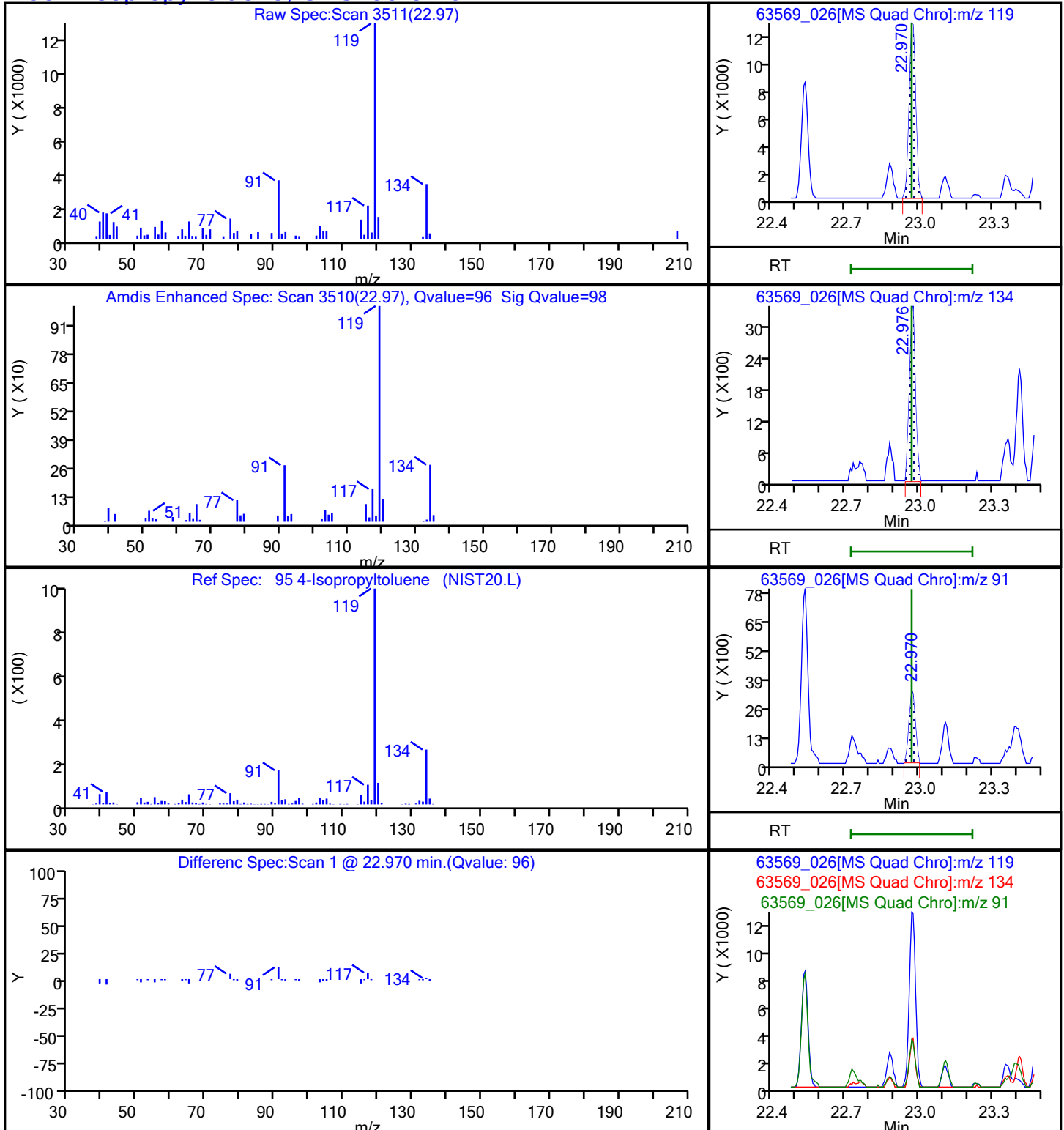
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

95 4-Isopropyltoluene, CAS: 99-87-6

Eurofins Burlington

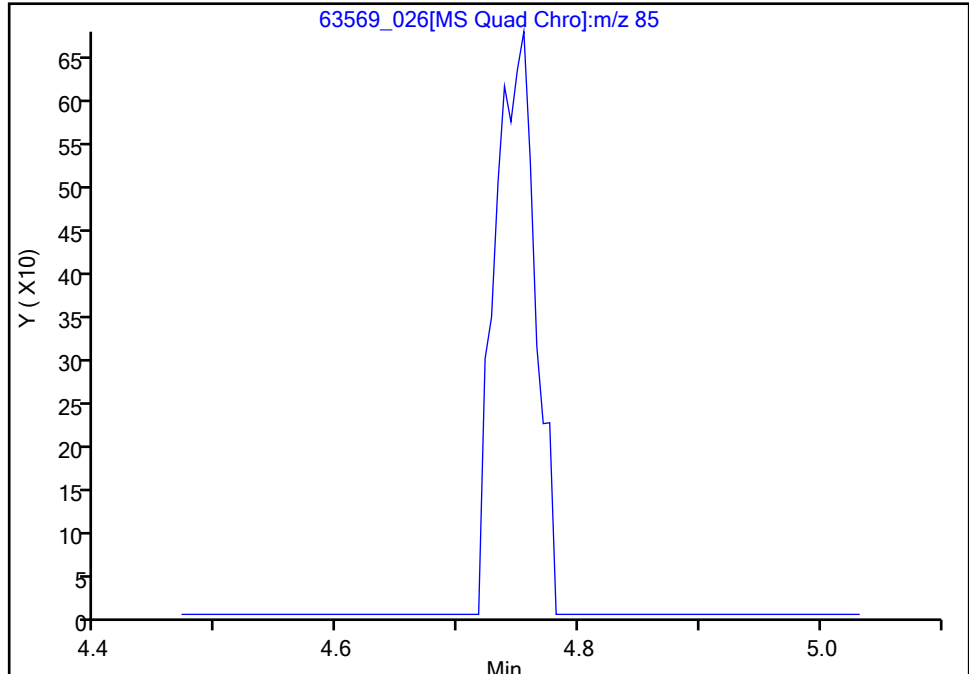
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D				
Injection Date:	04-Jan-2025 04:45:51	Instrument ID:	CHAM.i		
Lims ID:	200-76392-A-5	Lab Sample ID:	200-76392-5		
Client ID:	SV122024KT005				
Operator ID:	vtp	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoro, CAS: 76-14-2

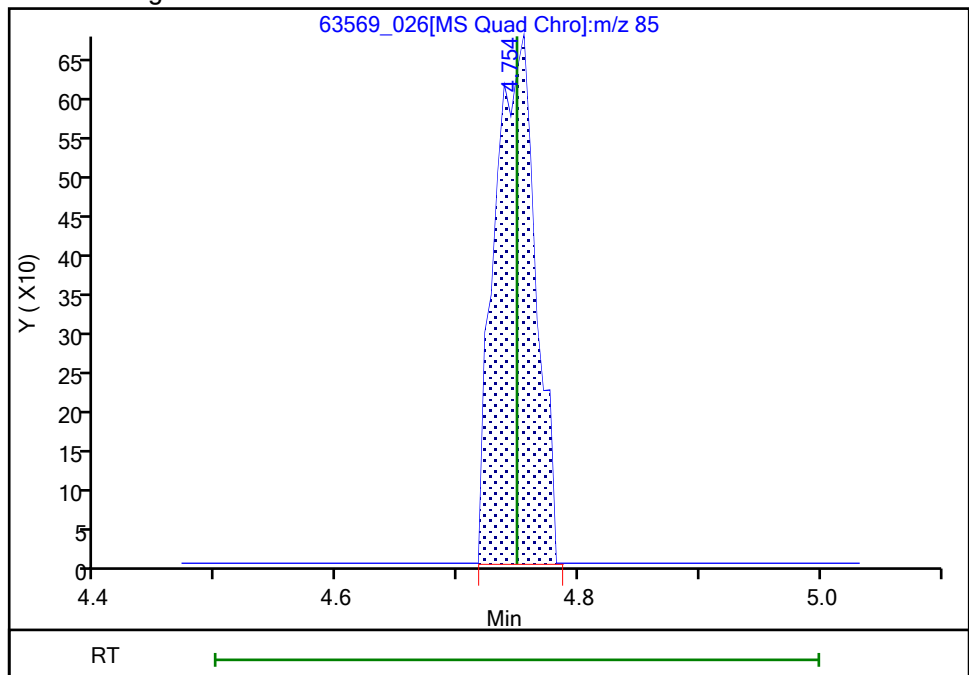
Signal: 1

Not Detected
Expected RT: 4.75

Processing Integration Results

RT: 4.75
Area: 1568
Amount: 0.018054
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 12:01:22 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

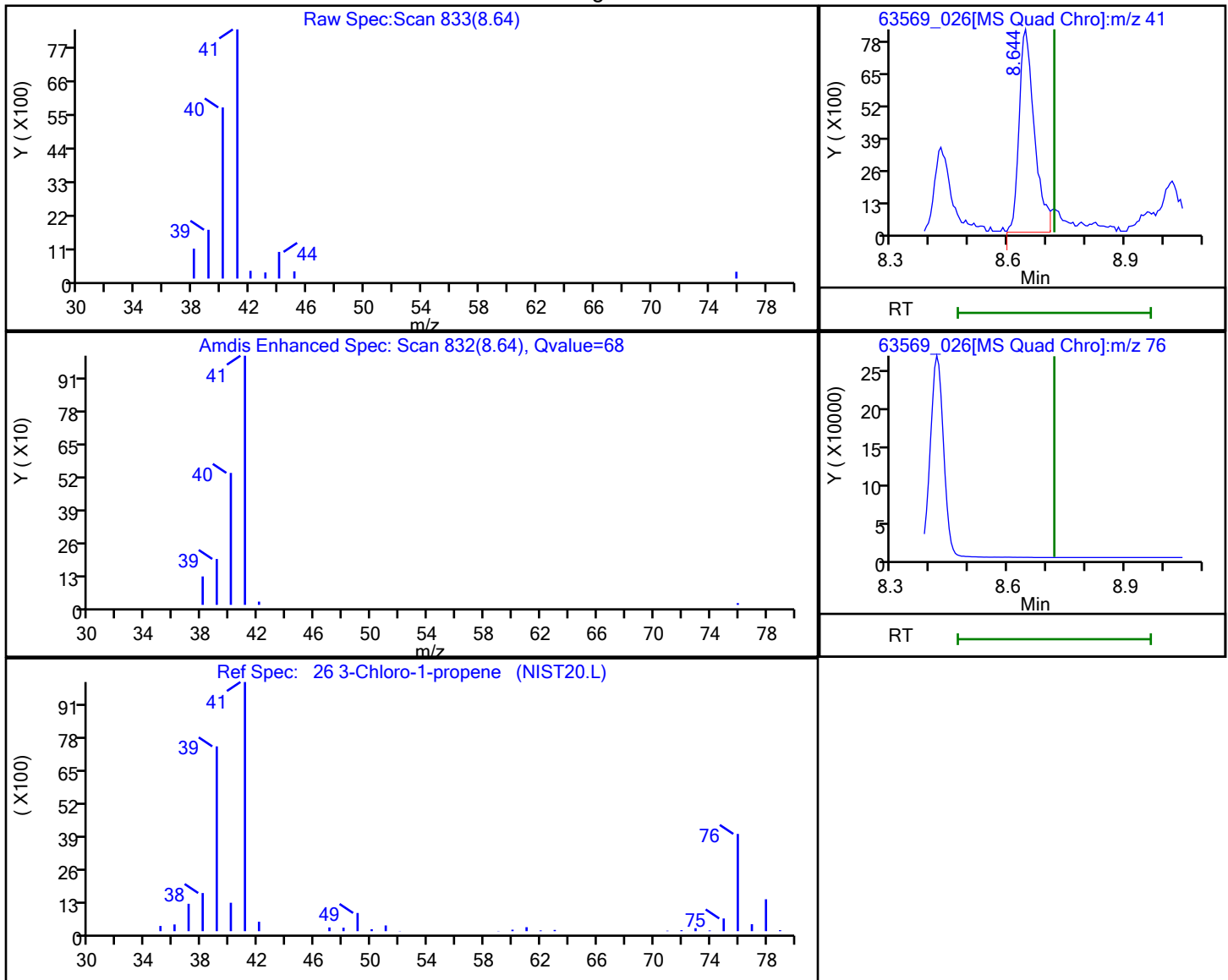
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.64	41.00	22554	0.421043
8.72	76.00	0	

Reviewer: F7XK, 06-Jan-2025 12:02:13 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

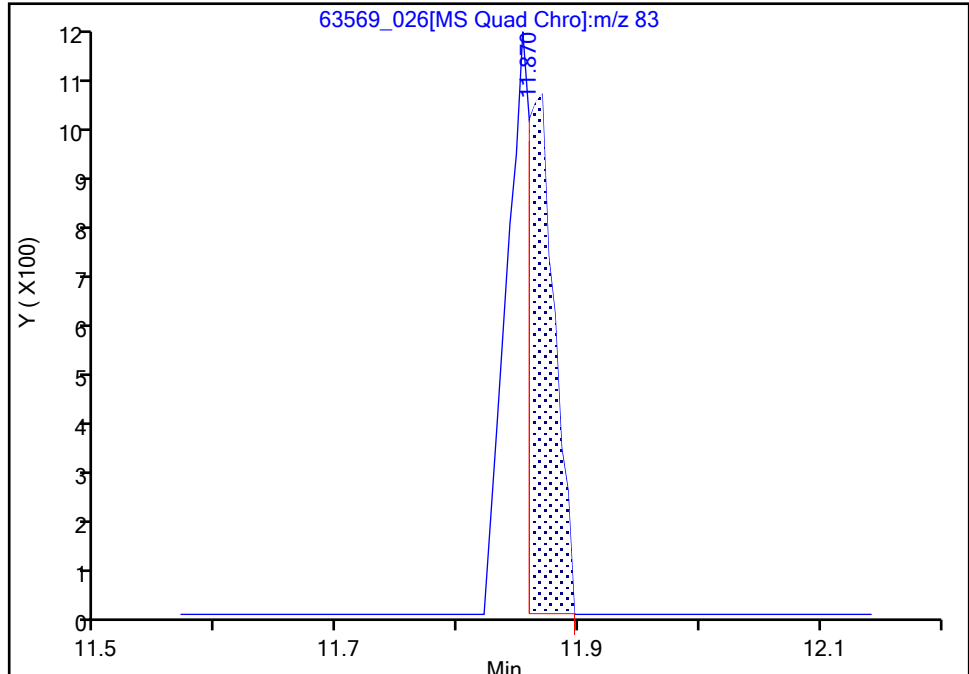
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D				
Injection Date:	04-Jan-2025 04:45:51	Instrument ID:	CHAM.i		
Lims ID:	200-76392-A-5	Lab Sample ID:	200-76392-5		
Client ID:	SV122024KT005				
Operator ID:	vtp	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

41 Chloroform, CAS: 67-66-3

Signal: 1

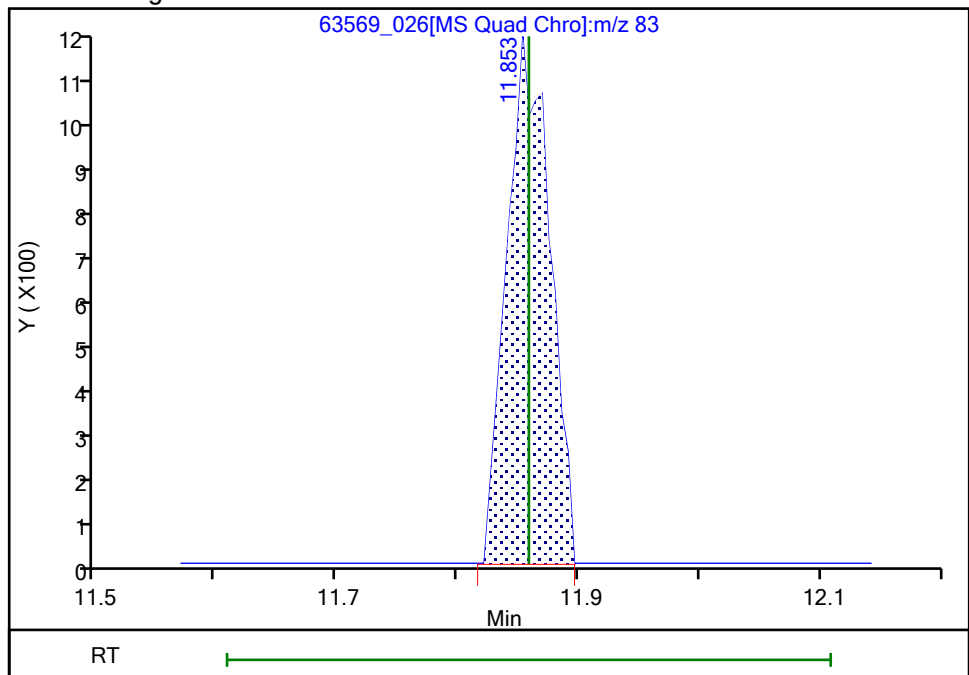
RT: 11.87
Area: 1587
Amount: 0.018242
Amount Units: ppb v/v

Processing Integration Results



RT: 11.85
Area: 2872
Amount: 0.033012
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 12:03:01 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

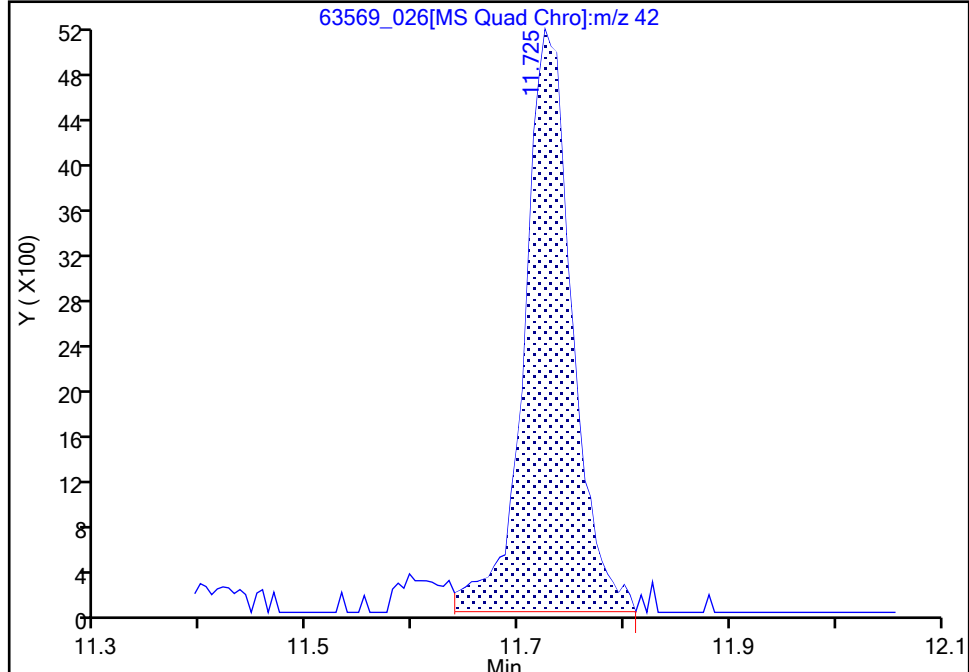
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D				
Injection Date:	04-Jan-2025 04:45:51	Instrument ID:	CHAM.i		
Lims ID:	200-76392-A-5	Lab Sample ID:	200-76392-5		
Client ID:	SV122024KT005				
Operator ID:	vtp	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

40 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

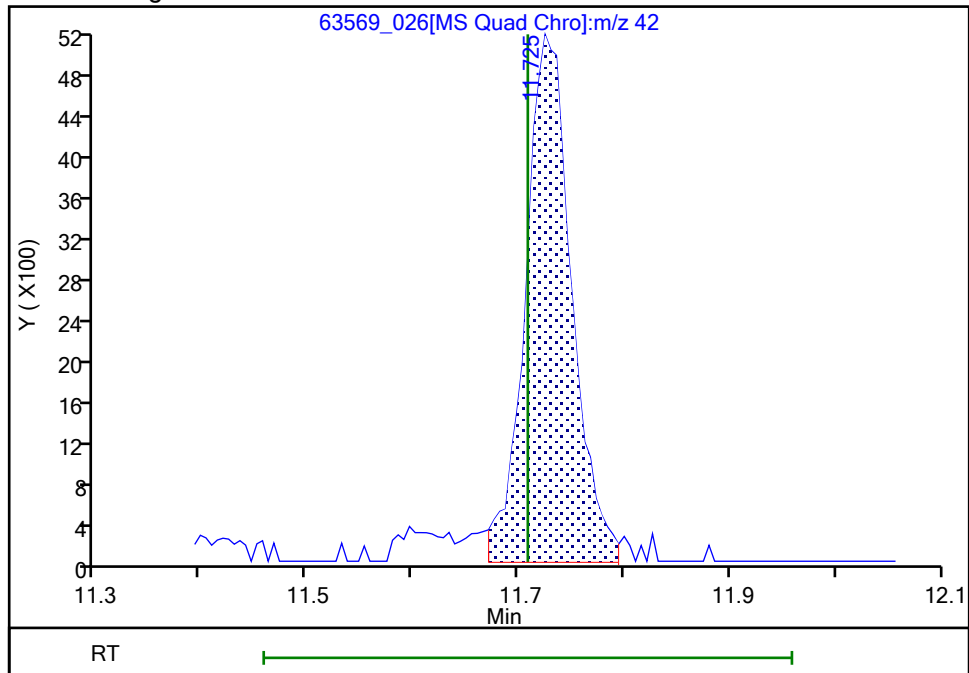
RT: 11.73
Area: 16344
Amount: 0.334616
Amount Units: ppb v/v

Processing Integration Results



RT: 11.73
Area: 15754
Amount: 0.322536
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 12:02:43 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group:

AI_TO15_ICAL

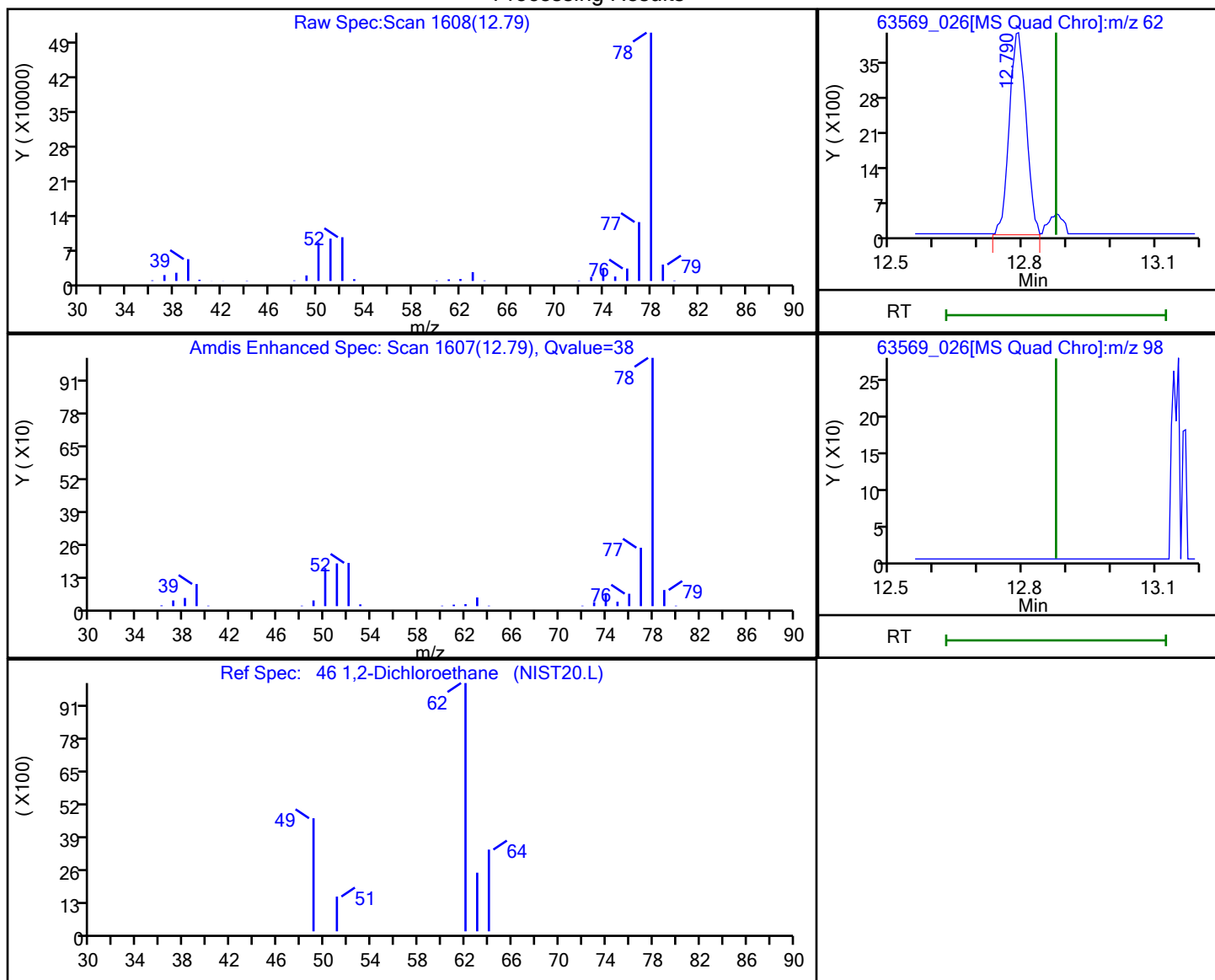
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

46 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
12.79	62.00	10725	0.188246
12.87	98.00	0	

Reviewer: F7XK, 06-Jan-2025 12:03:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

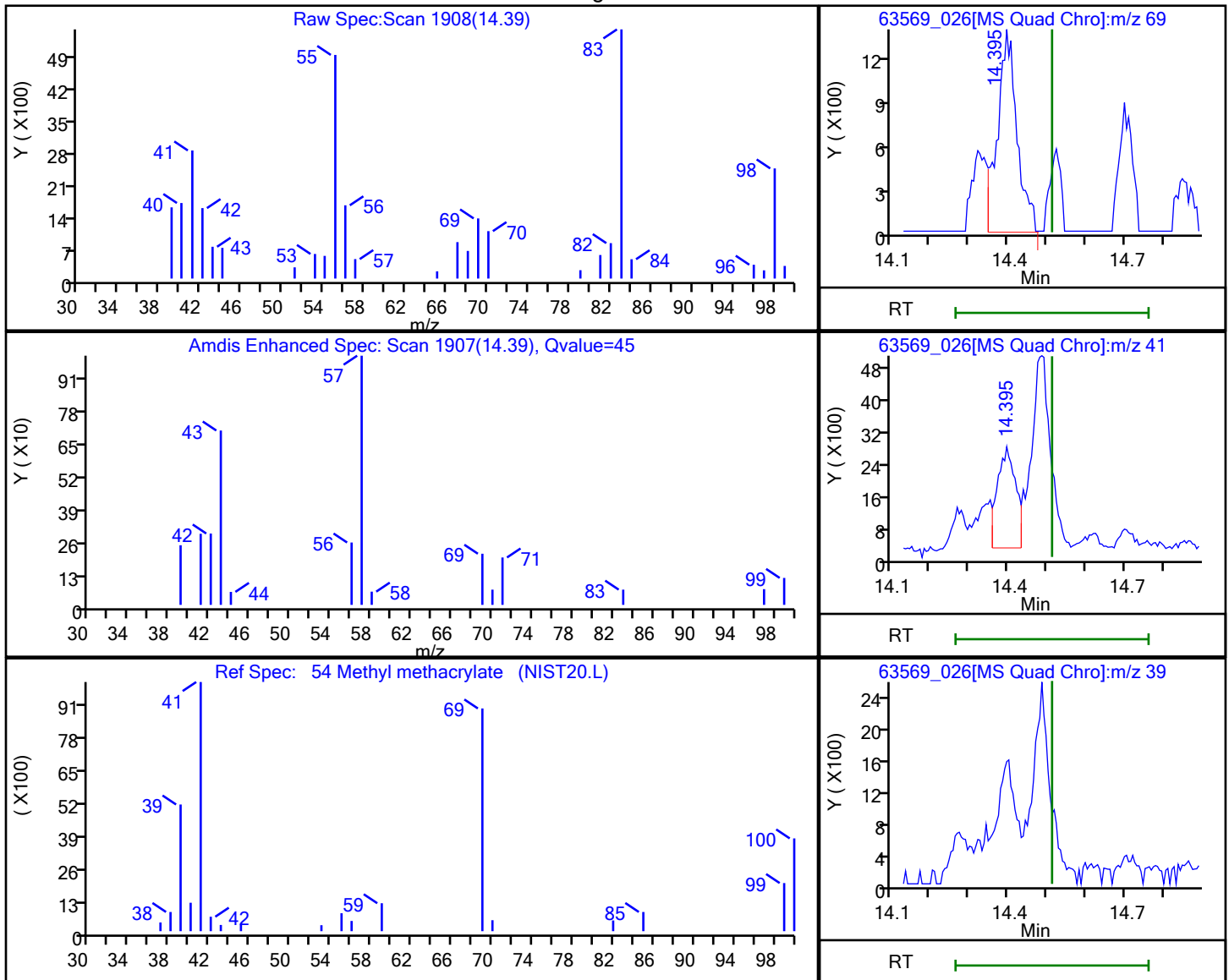
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.39	69.00	4544	0.097169
14.39	41.00	8429	
14.51	39.00	0	

Reviewer: F7XK, 06-Jan-2025 12:03:53 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group:

AI_TO15_ICAL

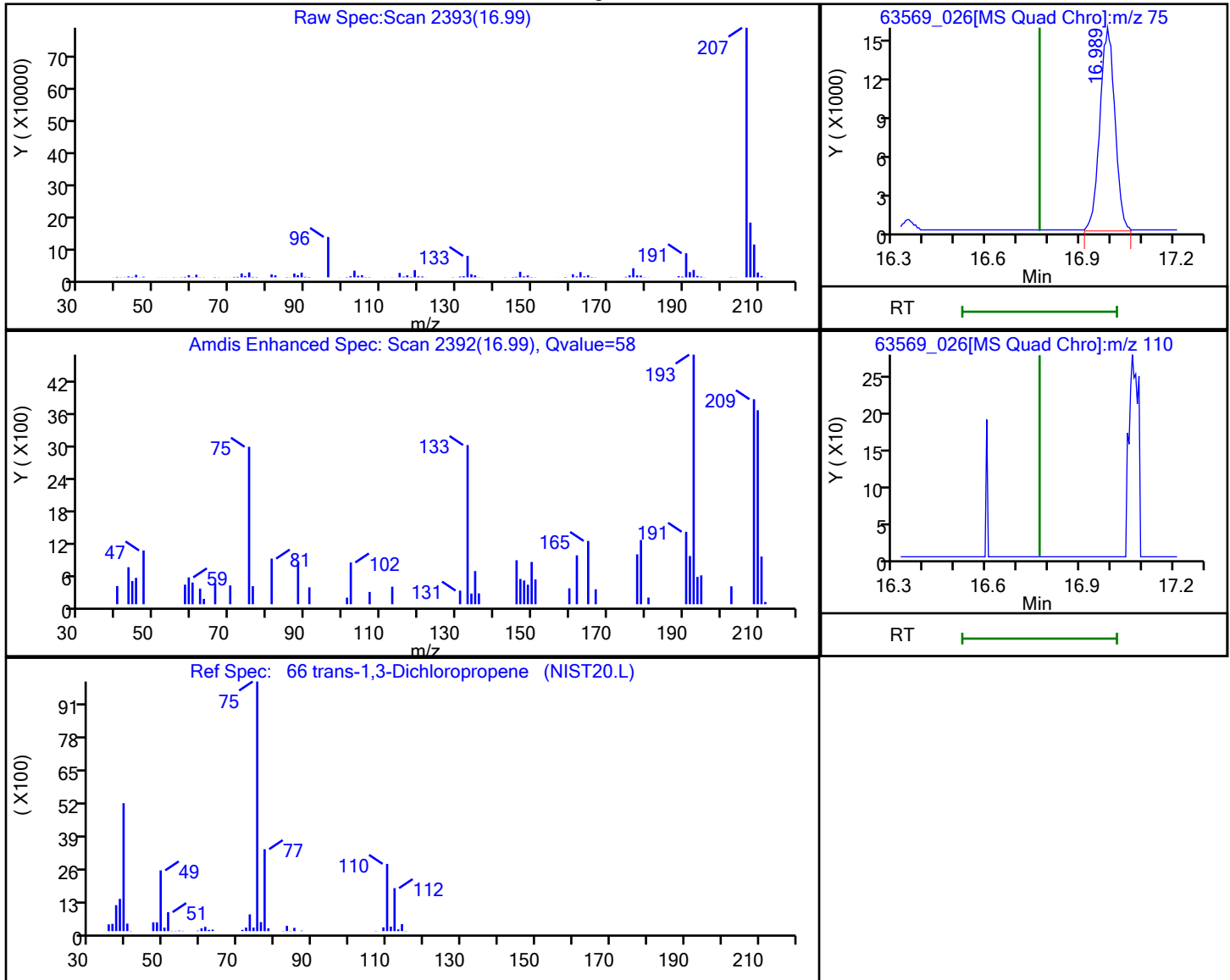
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
16.99	75.00	52238	0.822206
16.77	110.00	0	

Reviewer: F7XK, 06-Jan-2025 12:04:10 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

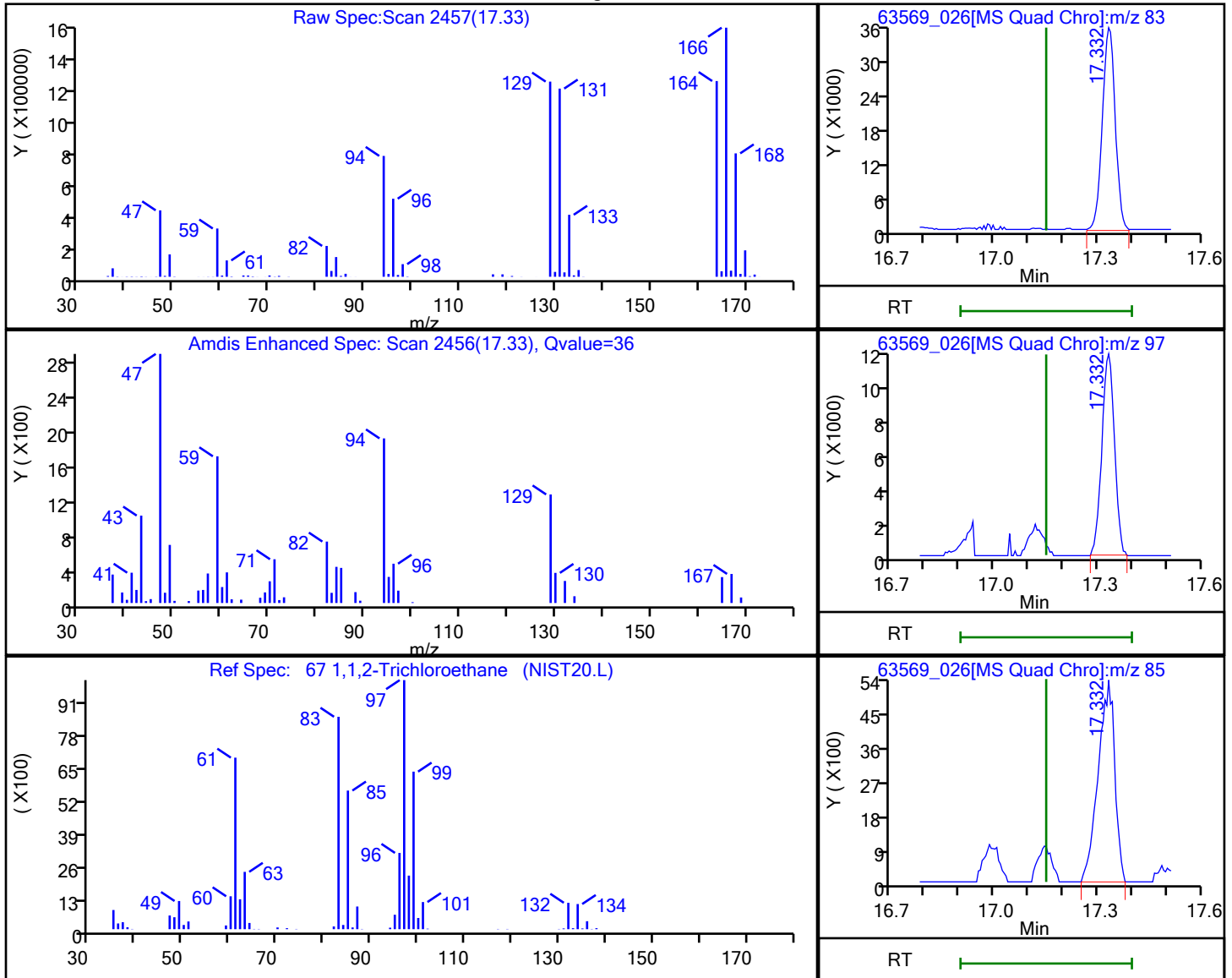
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D
Injection Date: 04-Jan-2025 04:45:51 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 Lab Sample ID: 200-76392-5
Client ID: SV122024KT005
Operator ID: vtp ALS Bottle#: 25 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

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.33	83.00	93031	1.970433
17.33	97.00	28485	
17.33	85.00	17734	

Reviewer: F7XK, 06-Jan-2025 12:04:14 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

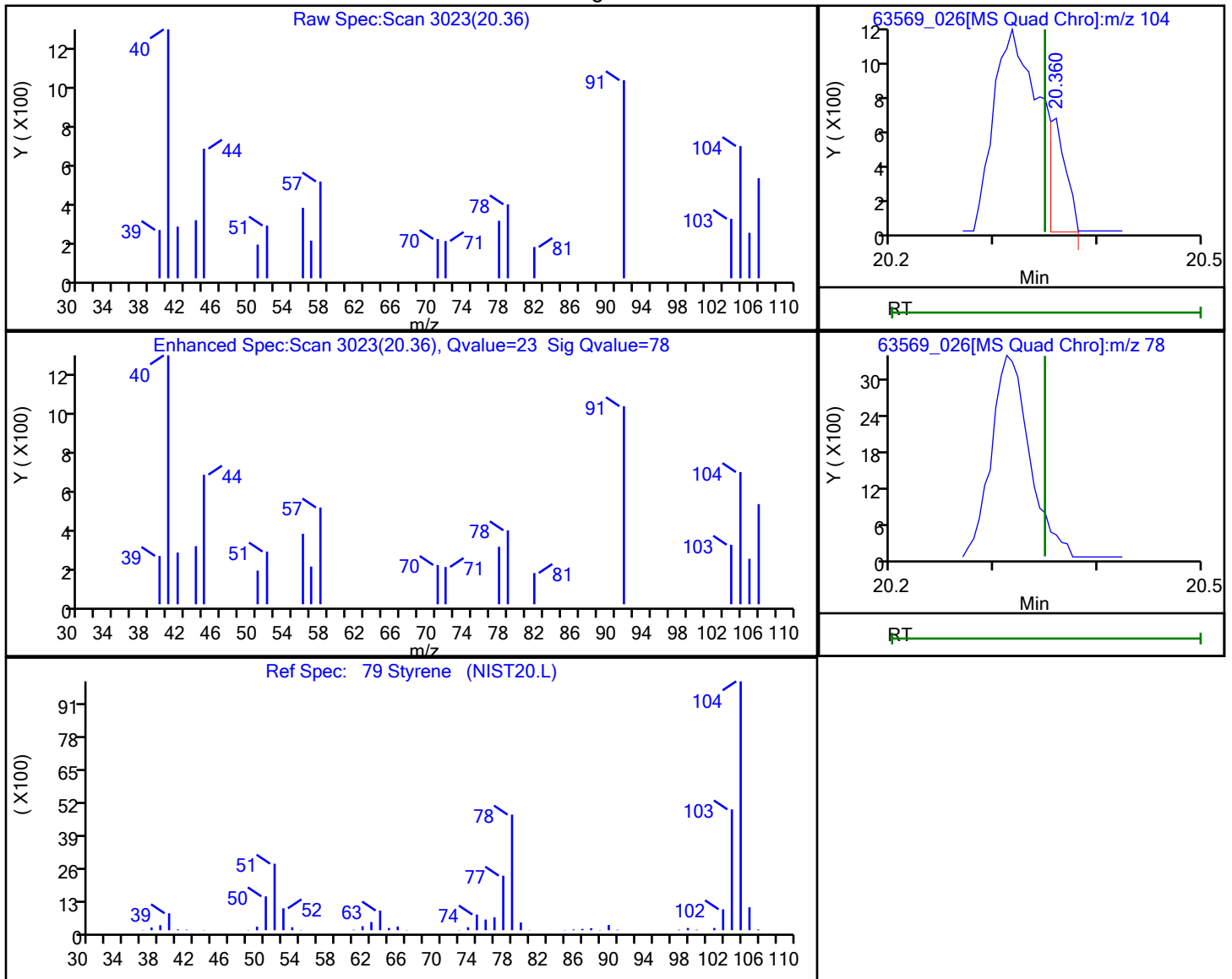
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
20.36	104.00	737	0.007101
20.35	78.00	0	

Reviewer: F7XK, 06-Jan-2025 12:04:54 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

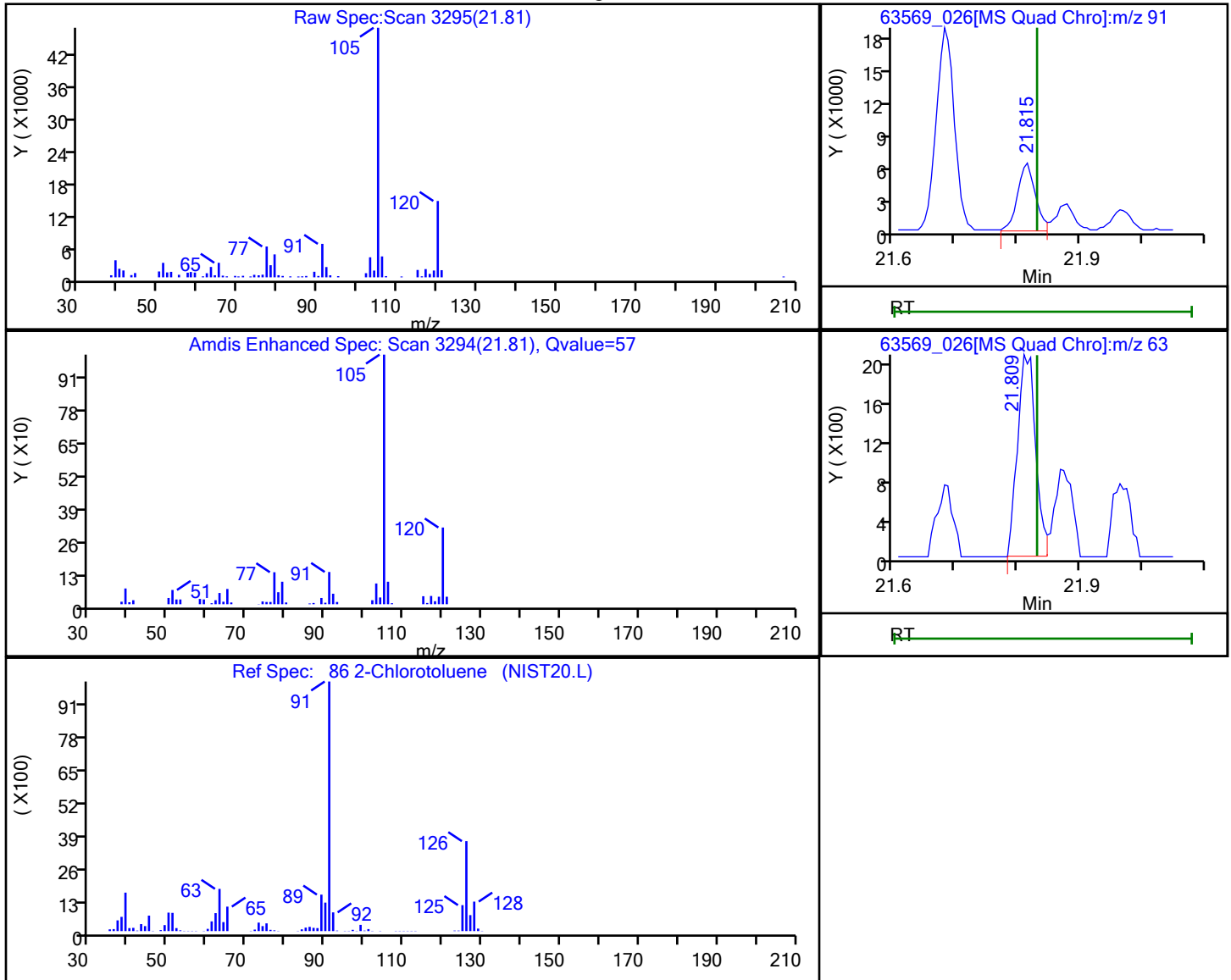
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

86 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.81	91.00	12159	0.074507
21.81	63.00	4108	

Reviewer: F7XK, 06-Jan-2025 12:05:11 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D

Injection Date: 04-Jan-2025 04:45:51

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

25

Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

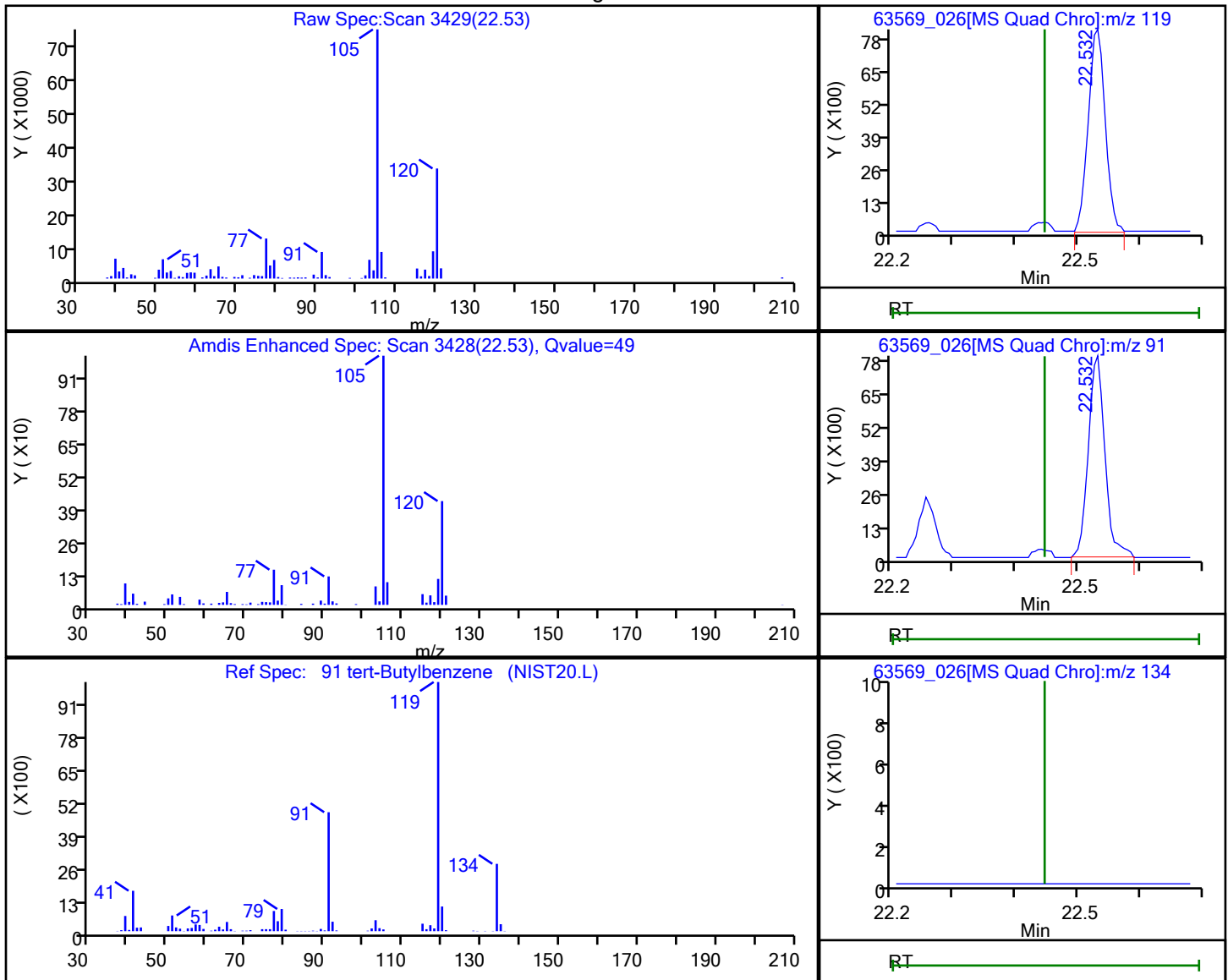
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
22.53	119.00	15500	0.106305
22.53	91.00	14937	
22.45	134.00	0	

Reviewer: F7XK, 06-Jan-2025 12:05:33 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

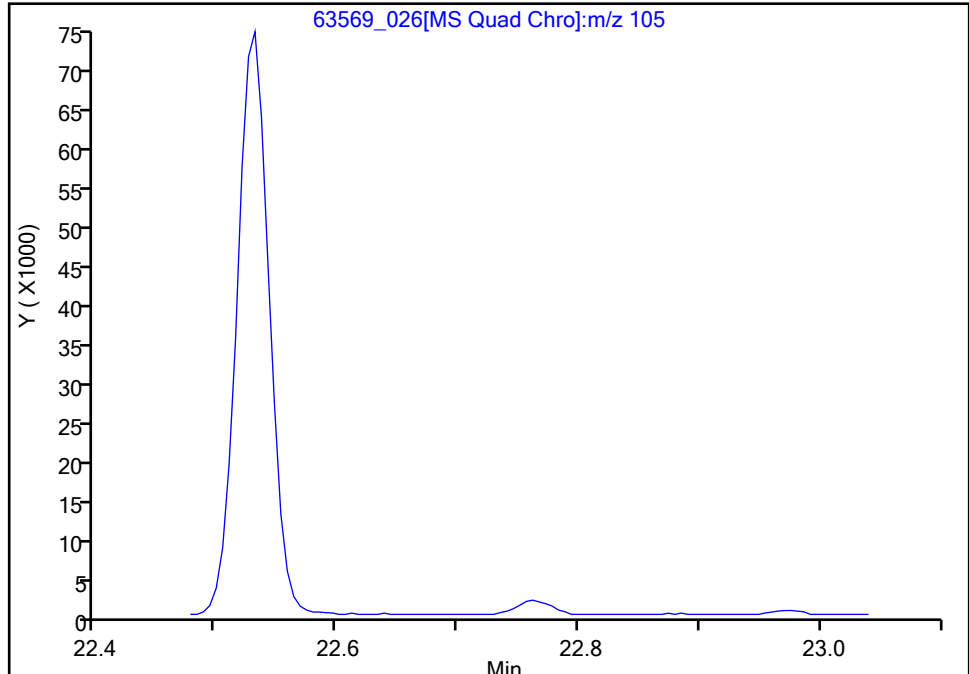
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D
Injection Date: 04-Jan-2025 04:45:51 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 Lab Sample ID: 200-76392-5
Client ID: SV122024KT005
Operator ID: vtp ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

93 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

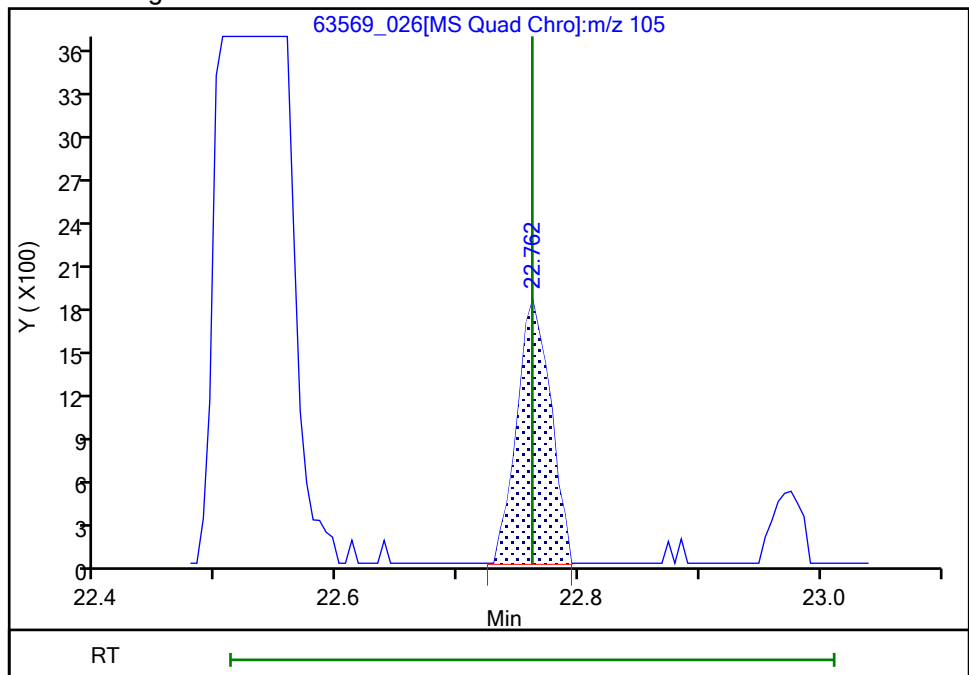
Not Detected
Expected RT: 22.76

Processing Integration Results



RT: 22.76
Area: 3503
Amount: 0.015050
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 12:05:55 07:00:00 (UTC)

Audit Action: Manually Integrated

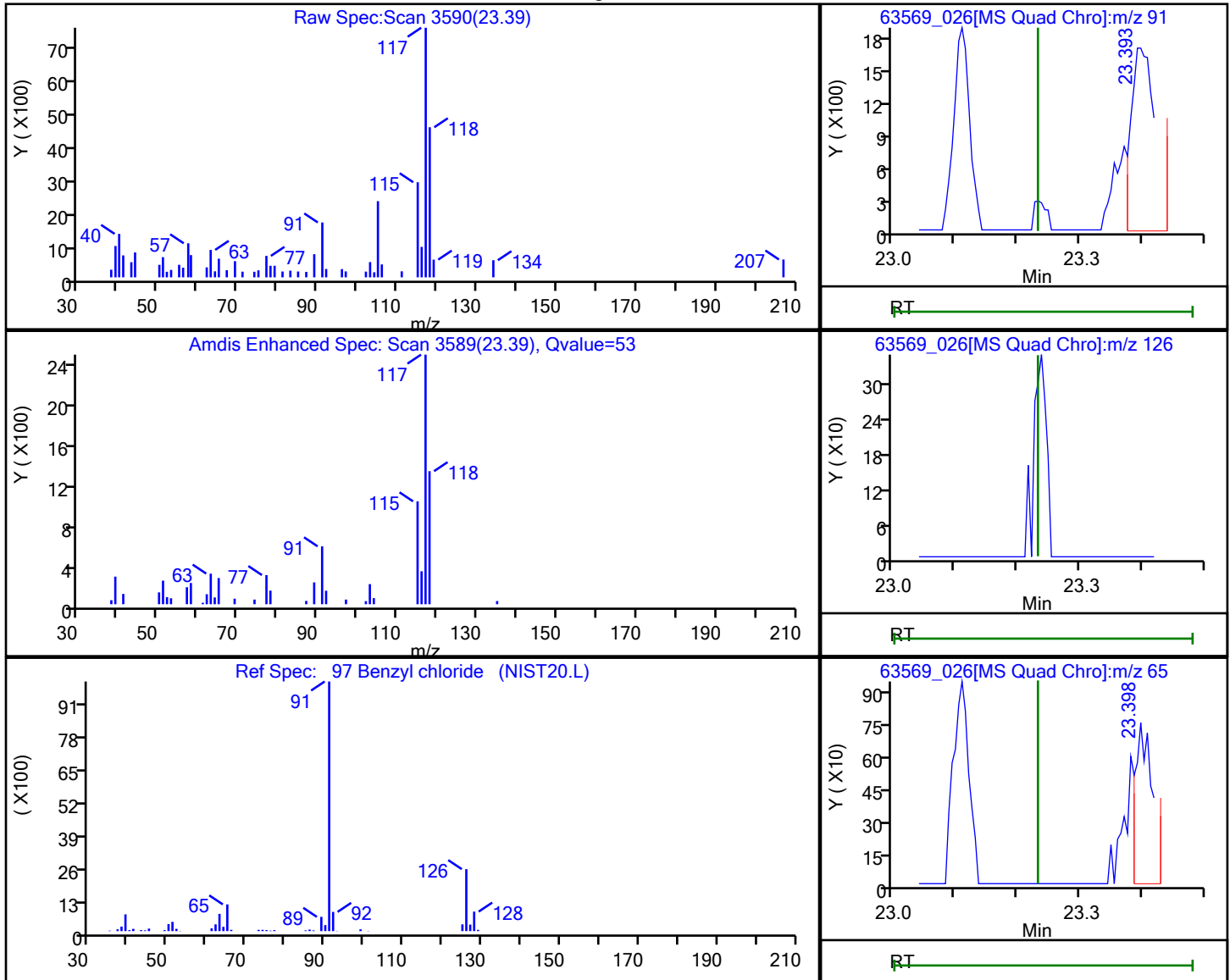
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_026.D
Injection Date: 04-Jan-2025 04:45:51 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 Lab Sample ID: 200-76392-5
Client ID: SV122024KT005
Operator ID: vtp ALS Bottle#: 25 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

97 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.39	91.00	4209	0.027949
23.23	126.00	0	
23.40	65.00	1356	

Reviewer: F7XK, 06-Jan-2025 12:06:12 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DL</u>	Lab Sample ID: <u>200-76392-5 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_013.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 19:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.6	J D	7.4	1.6
75-45-6	Chlorodifluoromethane	86.47	5.3	U	5.3	1.3
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	4.2	U	4.2	1.0
74-87-3	Chloromethane	50.49	4.0	D	3.1	0.93
106-97-8	n-Butane	58.12	3.6	U	3.6	1.4
75-01-4	Vinyl chloride	62.50	0.60	U	0.60	0.16
106-99-0	1,3-Butadiene	54.09	1.3	U	1.3	0.26
74-83-9	Bromomethane	94.94	2.3	U	2.3	0.82
75-00-3	Chloroethane	64.52	3.9	U	3.9	1.4
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.6	U	2.6	0.65
75-69-4	Trichlorofluoromethane	137.37	1.4	J D	3.4	0.84
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	4.6	U	4.6	1.2
75-35-4	1,1-Dichloroethene	96.94	0.60	U	0.60	0.31
64-17-5	Ethanol	46.07	16	J D	28	15
67-64-1	Acetone	58.08	33	J D	36	11
67-63-0	Isopropyl alcohol	60.10	37	U	37	12
75-15-0	Carbon disulfide	76.14	17	D	4.7	1.2
107-05-1	3-Chloropropene	76.53	4.7	U	4.7	1.1
75-09-2	Methylene Chloride	84.93	5.2	U	5.2	1.9
75-65-0	tert-Butyl alcohol	74.12	45	U	45	11
1634-04-4	Methyl tert-butyl ether	88.15	2.2	U	2.2	0.39
156-60-5	trans-1,2-Dichloroethene	96.94	2.4	U	2.4	0.27
110-54-3	n-Hexane	86.17	5.3	U	5.3	1.2
75-34-3	1,1-Dichloroethane	98.96	2.4	U	2.4	0.30
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	7.7	D	4.4	4.3
156-59-2	cis-1,2-Dichloroethene	96.94	0.60	U	0.60	0.25
67-66-3	Chloroform	119.38	2.9	U	2.9	0.60
109-99-9	Tetrahydrofuran	72.11	44	U	44	11
71-55-6	1,1,1-Trichloroethane	133.41	3.3	U	3.3	0.72
110-82-7	Cyclohexane	84.16	2.1	U	2.1	0.60

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DL</u>	Lab Sample ID: <u>200-76392-5 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_013.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 19:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.66	U	0.66	0.41
540-84-1	2,2,4-Trimethylpentane	114.23	1.8	J D	2.8	0.53
71-43-2	Benzene	78.11	35	D	1.9	0.42
107-06-2	1,2-Dichloroethane	98.96	2.4	U	2.4	1.1
142-82-5	n-Heptane	100.21	1.2	J D	2.5	0.67
79-01-6	Trichloroethene	131.39	1.3	D	0.60	0.40
80-62-6	Methyl methacrylate	100.12	6.1	U	6.1	1.7
78-87-5	1,2-Dichloropropane	112.99	2.8	U	2.8	1.3
123-91-1	1,4-Dioxane	88.11	54	U	54	0.88
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	1.0
10061-01-5	cis-1,3-Dichloropropene	110.97	2.7	U	2.7	0.61
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	6.1	U	6.1	1.6
108-88-3	Toluene	92.14	7.4	D	2.3	0.70
10061-02-6	trans-1,3-Dichloropropene	110.97	2.7	U	2.7	0.73
79-00-5	1,1,2-Trichloroethane	133.41	3.3	U	3.3	1.2
127-18-4	Tetrachloroethene	165.83	460	D	4.1	0.43
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	6.1	U	6.1	1.8
124-48-1	Dibromochloromethane	208.28	5.1	U	5.1	1.6
106-93-4	1,2-Dibromoethane	187.87	4.6	U	4.6	0.96
108-90-7	Chlorobenzene	112.56	2.8	U	2.8	0.61
100-41-4	Ethylbenzene	106.17	2.2	J D	2.6	0.90
179601-23-1	m,p-Xylene	106.17	7.0	D	6.5	1.2
95-47-6	o-Xylene	106.17	3.0	D	2.6	0.82
100-42-5	Styrene	104.15	2.5	U	2.5	0.75
75-25-2	Bromoform	252.75	6.2	U	6.2	3.7
98-82-8	Cumene	120.19	2.7	J D	2.9	0.60
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.1	U	4.1	0.88
103-65-1	n-Propylbenzene	120.19	0.69	J D	2.9	0.69
622-96-8	4-Ethyltoluene	120.20	0.92	J D	2.9	0.72
108-67-8	1,3,5-Trimethylbenzene	120.20	0.89	J D	2.9	0.69

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DL</u>	Lab Sample ID: <u>200-76392-5 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_013.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 19:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	3.1	U	3.1	0.71
98-06-6	tert-Butylbenzene	134.22	3.3	U	3.3	0.77
95-63-6	1,2,4-Trimethylbenzene	120.20	3.3	D	2.9	1.2
135-98-8	sec-Butylbenzene	134.22	3.3	U	3.3	0.74
99-87-6	4-Isopropyltoluene	134.22	3.3	U	3.3	1.0
541-73-1	1,3-Dichlorobenzene	147.00	3.6	U	3.6	1.3
106-46-7	1,4-Dichlorobenzene	147.00	3.6	U	3.6	1.6
100-44-7	Benzyl chloride	126.58	3.1	U	3.1	1.4
104-51-8	n-Butylbenzene	134.22	3.3	U	3.3	1.8
95-50-1	1,2-Dichlorobenzene	147.00	3.6	U	3.6	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	11	U	11	7.3
87-68-3	Hexachlorobutadiene	260.76	6.4	U	6.4	3.5
91-20-3	Naphthalene	128.17	7.8	U	7.8	4.7

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DL</u>	Lab Sample ID: <u>200-76392-5 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_013.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 19:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.52	J D	1.5	0.33
75-45-6	Chlorodifluoromethane	86.47	1.5	U	1.5	0.36
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.60	U	0.60	0.14
74-87-3	Chloromethane	50.49	1.9	D	1.5	0.45
106-97-8	n-Butane	58.12	1.5	U	1.5	0.60
75-01-4	Vinyl chloride	62.50	0.23	U	0.23	0.063
106-99-0	1,3-Butadiene	54.09	0.60	U	0.60	0.12
74-83-9	Bromomethane	94.94	0.60	U	0.60	0.21
75-00-3	Chloroethane	64.52	1.5	U	1.5	0.54
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.60	U	0.60	0.15
75-69-4	Trichlorofluoromethane	137.37	0.25	J D	0.60	0.15
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.60	U	0.60	0.16
75-35-4	1,1-Dichloroethene	96.94	0.15	U	0.15	0.078
64-17-5	Ethanol	46.07	8.7	J D	15	7.8
67-64-1	Acetone	58.08	14	J D	15	4.8
67-63-0	Isopropyl alcohol	60.10	15	U	15	4.8
75-15-0	Carbon disulfide	76.14	5.6	D	1.5	0.39
107-05-1	3-Chloropropene	76.53	1.5	U	1.5	0.36
75-09-2	Methylene Chloride	84.93	1.5	U	1.5	0.54
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.60	U	0.60	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.60	U	0.60	0.069
110-54-3	n-Hexane	86.17	1.5	U	1.5	0.33
75-34-3	1,1-Dichloroethane	98.96	0.60	U	0.60	0.075
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.6	D	1.5	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.15	U	0.15	0.063
67-66-3	Chloroform	119.38	0.60	U	0.60	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.9
71-55-6	1,1,1-Trichloroethane	133.41	0.60	U	0.60	0.13
110-82-7	Cyclohexane	84.16	0.60	U	0.60	0.17

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DL</u>	Lab Sample ID: <u>200-76392-5 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_013.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 19:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.10	U	0.10	0.066
540-84-1	2,2,4-Trimethylpentane	114.23	0.39	J D	0.60	0.11
71-43-2	Benzene	78.11	11	D	0.60	0.13
107-06-2	1,2-Dichloroethane	98.96	0.60	U	0.60	0.28
142-82-5	n-Heptane	100.21	0.28	J D	0.60	0.16
79-01-6	Trichloroethene	131.39	0.25	D	0.11	0.075
80-62-6	Methyl methacrylate	100.12	1.5	U	1.5	0.42
78-87-5	1,2-Dichloropropane	112.99	0.60	U	0.60	0.28
123-91-1	1,4-Dioxane	88.11	15	U	15	0.25
75-27-4	Bromodichloromethane	163.83	0.60	U	0.60	0.15
10061-01-5	cis-1,3-Dichloropropene	110.97	0.60	U	0.60	0.13
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	1.5	U	1.5	0.39
108-88-3	Toluene	92.14	2.0	D	0.60	0.19
10061-02-6	trans-1,3-Dichloropropene	110.97	0.60	U	0.60	0.16
79-00-5	1,1,2-Trichloroethane	133.41	0.60	U	0.60	0.22
127-18-4	Tetrachloroethene	165.83	68	D	0.60	0.063
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.5	U	1.5	0.45
124-48-1	Dibromochloromethane	208.28	0.60	U	0.60	0.19
106-93-4	1,2-Dibromoethane	187.87	0.60	U	0.60	0.13
108-90-7	Chlorobenzene	112.56	0.60	U	0.60	0.13
100-41-4	Ethylbenzene	106.17	0.50	J D	0.60	0.21
179601-23-1	m,p-Xylene	106.17	1.6	D	1.5	0.28
95-47-6	o-Xylene	106.17	0.68	D	0.60	0.19
100-42-5	Styrene	104.15	0.60	U	0.60	0.18
75-25-2	Bromoform	252.75	0.60	U	0.60	0.36
98-82-8	Cumene	120.19	0.54	J D	0.60	0.12
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.60	U	0.60	0.13
103-65-1	n-Propylbenzene	120.19	0.14	J D	0.60	0.14
622-96-8	4-Ethyltoluene	120.20	0.19	J D	0.60	0.15
108-67-8	1,3,5-Trimethylbenzene	120.20	0.18	J D	0.60	0.14

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DL</u>	Lab Sample ID: <u>200-76392-5 DL</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_013.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>67 (mL)</u>	Date Analyzed: <u>01/04/2025 19:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2.99</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.60	U	0.60	0.14
98-06-6	tert-Butylbenzene	134.22	0.60	U	0.60	0.14
95-63-6	1,2,4-Trimethylbenzene	120.20	0.67	D	0.60	0.24
135-98-8	sec-Butylbenzene	134.22	0.60	U	0.60	0.13
99-87-6	4-Isopropyltoluene	134.22	0.60	U	0.60	0.18
541-73-1	1,3-Dichlorobenzene	147.00	0.60	U	0.60	0.22
106-46-7	1,4-Dichlorobenzene	147.00	0.60	U	0.60	0.27
100-44-7	Benzyl chloride	126.58	0.60	U	0.60	0.26
104-51-8	n-Butylbenzene	134.22	0.60	U	0.60	0.33
95-50-1	1,2-Dichlorobenzene	147.00	0.60	U	0.60	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	1.5	U	1.5	0.99
87-68-3	Hexachlorobutadiene	260.76	0.60	U	0.60	0.33
91-20-3	Naphthalene	128.17	1.5	U	1.5	0.90

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D
 Lims ID: 200-76392-A-5 DL
 Client ID: SV122024KT005
 Sample Type: Client
 Inject. Date: 04-Jan-2025 19:13:39 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 2.9900
 Sample Info: 200-0063582-013
 Misc. Info.: -5
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 07:30:43 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1671

First Level Reviewer: YWL8

Date: 06-Jan-2025 07:30:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	12898	0.1748	
3 Chlorodifluoromethane	51	4.433	4.422	0.011	96	4037	0.0945	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.749				ND	
5 Chloromethane	50	4.872	4.872	-0.005	99	16382	0.6482	
7 Butane	43	5.177	5.177	0.000	98	7283	0.1252	
6 Vinyl chloride	62		5.182				ND	
8 Butadiene	54		5.295				ND	7
9 Bromomethane	94		6.049				ND	
10 Chloroethane	64		6.327				ND	
13 Vinyl bromide	106		6.755				ND	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	97	6551	0.0848	
16 Ethanol	45	7.349	7.333	0.016	98	44811	2.90	
20 1,1-Dichloroethene	96		8.007				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.044	8.044	0.000	69	1784	0.0249	
22 Acetone	43	8.119	8.103	0.016	98	250095	4.62	
23 Isopropyl alcohol	45	8.435	8.408	0.027	98	30148	0.5492	
24 Carbon disulfide	76	8.414	8.413	0.001	100	197524	1.86	
26 3-Chloro-1-propene	41		8.718				ND	MU
27 Methylene Chloride	49		8.959				ND	7
28 2-Methyl-2-propanol	59	9.221	9.194	0.027	94	5724	0.0804	
30 trans-1,2-Dichloroethene	61		9.457				ND	
31 Methyl tert-butyl ether	73		9.462				ND	
32 Hexane	57	9.965	9.970	-0.005	91	4209	0.0734	
33 1,1-Dichloroethane	63		10.248				ND	
36 2-Butanone (MEK)	72	11.254	11.238	0.016	100	16477	0.8683	
37 cis-1,2-Dichloroethene	96		11.260				ND	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	97	235370	10.0	
40 Tetrahydrofuran	42	11.736	11.709	0.027	96	5064	0.1174	
41 Chloroform	83		11.859				ND	7
42 1,1,1-Trichloroethane	97	12.158	12.158	0.005	34	1524	0.0214	M
43 Cyclohexane	84	12.287	12.287	0.000	92	1599	0.0347	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.442	12.431	0.011	84	1380	0.0198	
45 Benzene	78	12.790	12.790	0.000	97	412655	3.65	
46 1,2-Dichloroethane	62		12.870				ND	MU
47 Isooctane	57	12.998	12.988	0.005	98	23609	0.1298	
48 n-Heptane	43	13.309	13.309	0.006	80	6246	0.0940	M
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1119917	10.0	
51 Trichloroethene	95	13.967	13.961	0.006	92	4049	0.0828	
53 1,2-Dichloropropane	63		14.432				ND	
54 Methyl methacrylate	69		14.512				ND	
55 1,4-Dioxane	88		14.560				ND	7
58 Dichlorobromomethane	83		14.908				ND	
59 cis-1,3-Dichloropropene	75		15.705				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.978				ND	7
62 Toluene	92	16.347	16.342	0.005	93	48207	0.6552	
66 trans-1,3-Dichloropropene	75		16.770				ND	MU
67 1,1,2-Trichloroethane	83		17.150				ND	MU
68 Tetrachloroethene	166	17.332	17.331	0.001	96	1192853	22.8	
69 2-Hexanone	43		17.562				ND	7
70 Chlorodibromomethane	129		17.888				ND	
71 Ethylene Dibromide	107		18.129				ND	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	90	1012712	10.0	
74 Chlorobenzene	112		19.097				ND	
75 Ethylbenzene	91	19.284	19.279	0.005	99	27524	0.1680	
76 m-Xylene & p-Xylene	106	19.536	19.530	-0.010	0	32296	0.5423	
78 o-Xylene	106	20.317	20.311	0.006	98	12777	0.2288	
79 Styrene	104		20.349				ND	MU
81 Bromoform	173		20.691				ND	
82 Isopropylbenzene	105	20.986	20.980	0.006	98	30218	0.1818	
83 1,1,2,2-Tetrachloroethane	83		21.504				ND	MU
85 N-Propylbenzene	91	21.681	21.681	0.000	98	10250	0.0472	
86 2-Chlorotoluene	91		21.831				ND	MU
87 4-Ethyltoluene	105	21.879	21.874	0.006	98	10355	0.0623	
88 1,3,5-Trimethylbenzene	105	21.970	21.965	0.006	91	8532	0.0607	
91 tert-Butylbenzene	119		22.441				ND	
92 1,2,4-Trimethylbenzene	105	22.532	22.526	0.006	99	31064	0.2228	
93 sec-Butylbenzene	105		22.762				ND	
94 1,3-Dichlorobenzene	146		22.938				ND	MU
95 4-Isopropyltoluene	119	22.976	22.970	0.006	95	5433	0.0332	
96 1,4-Dichlorobenzene	146		23.077				ND	7
97 Benzyl chloride	91		23.232				ND	7
98 n-Butylbenzene	91		23.537				ND	7
99 1,2-Dichlorobenzene	146		23.580				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.324				ND	
104 Naphthalene	128		26.576				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Worklist Smp#: 13

Client ID: SV122024KT005

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

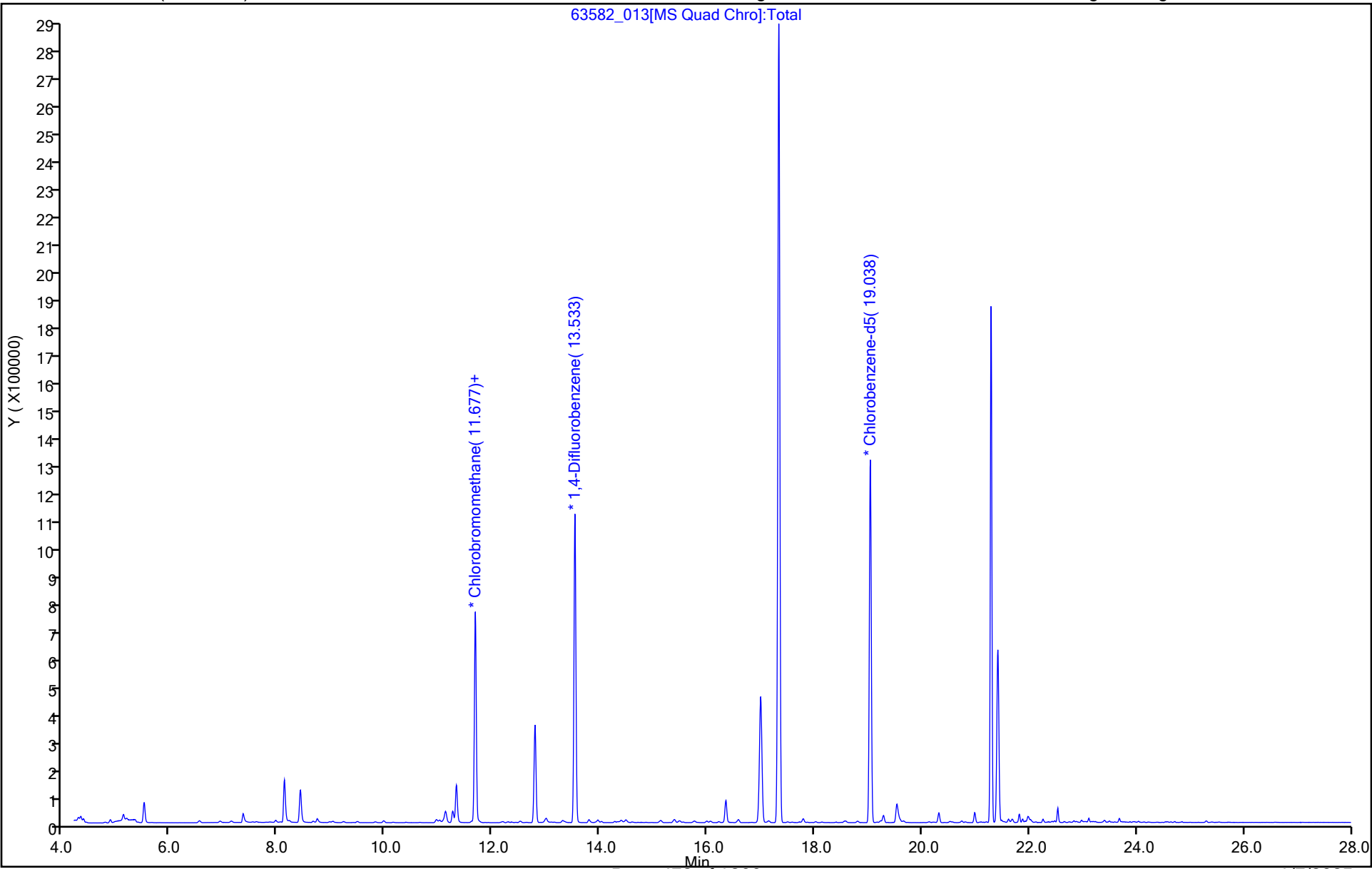
ALS Bottle#: 12

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

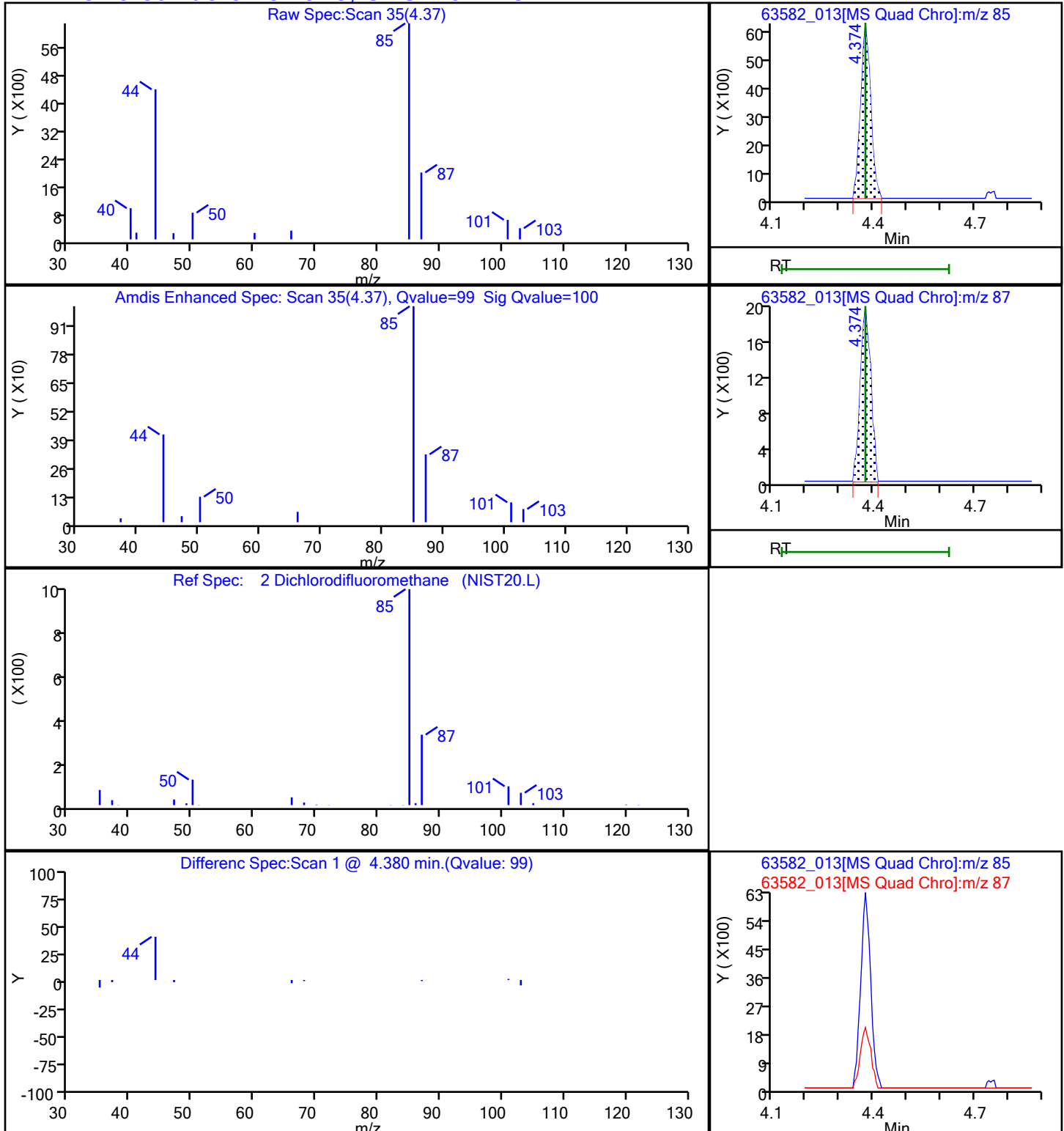
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

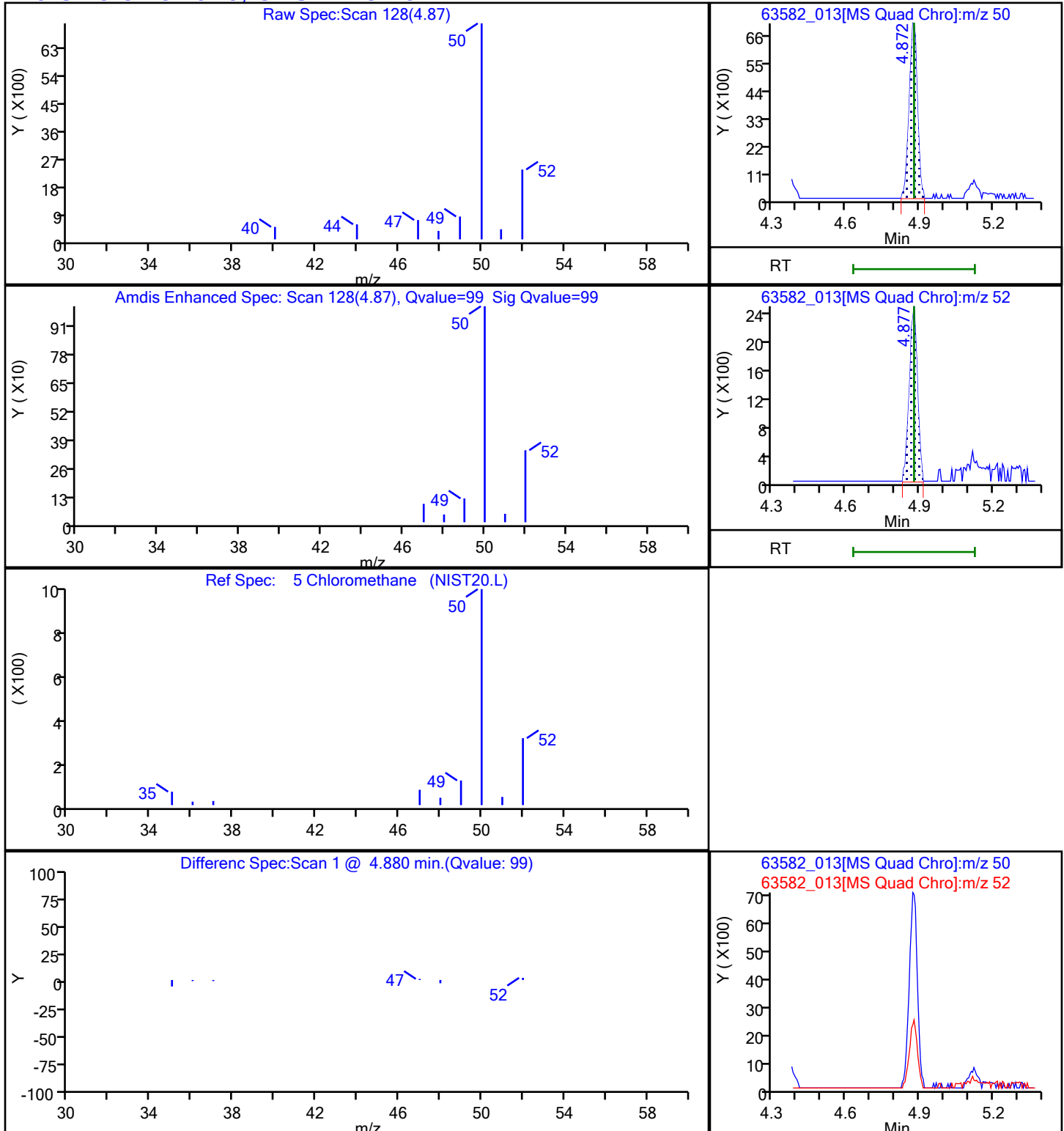
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

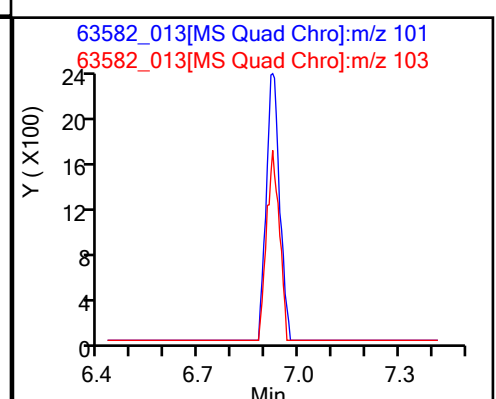
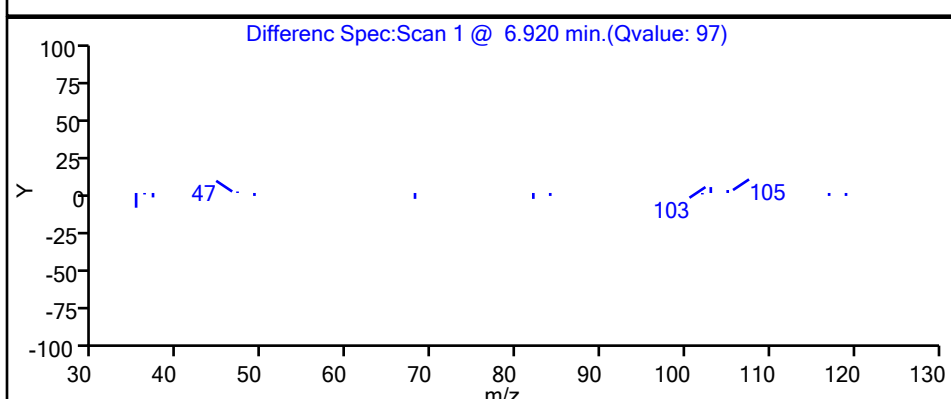
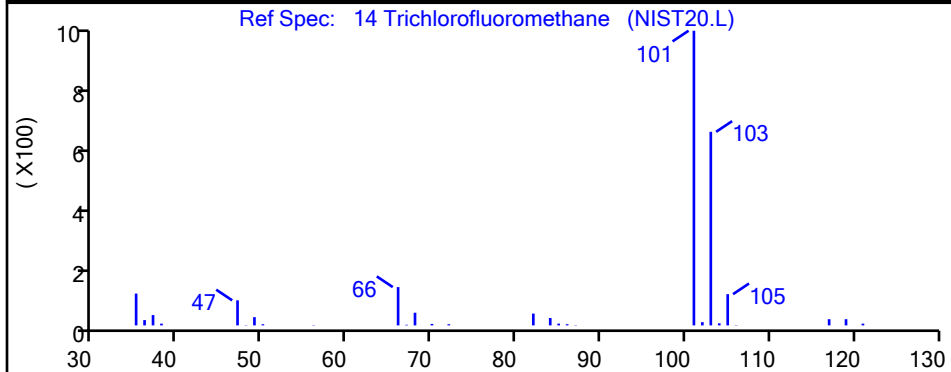
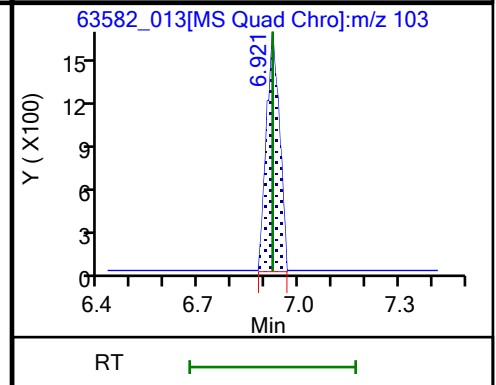
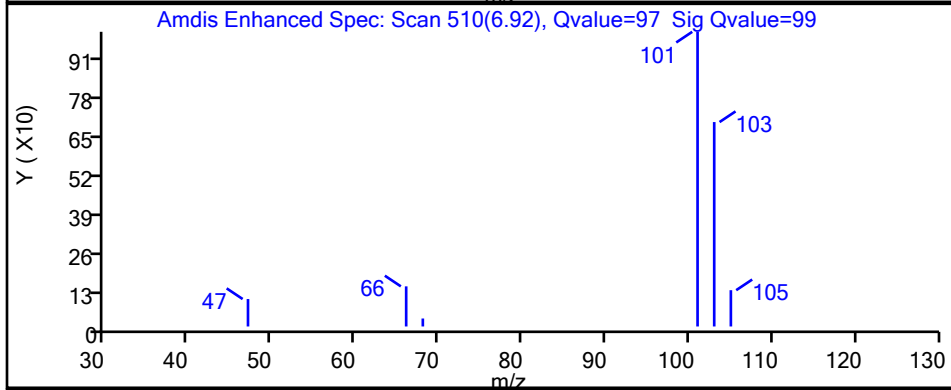
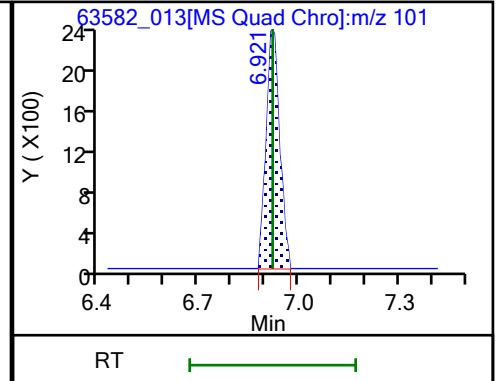
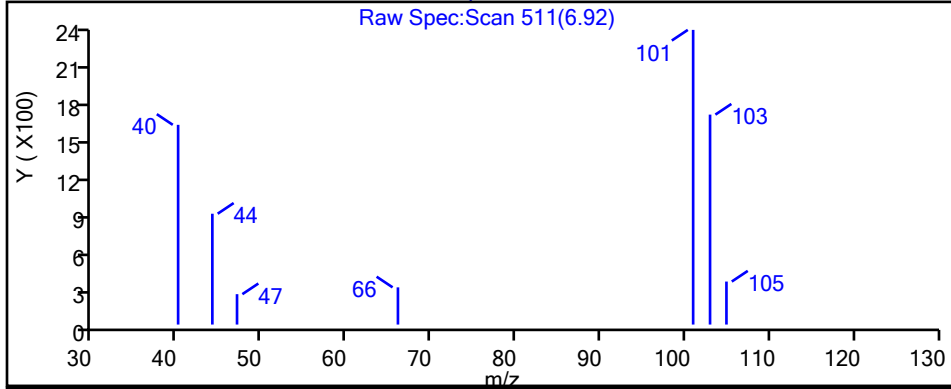
Dil. Factor: 2.9900

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\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

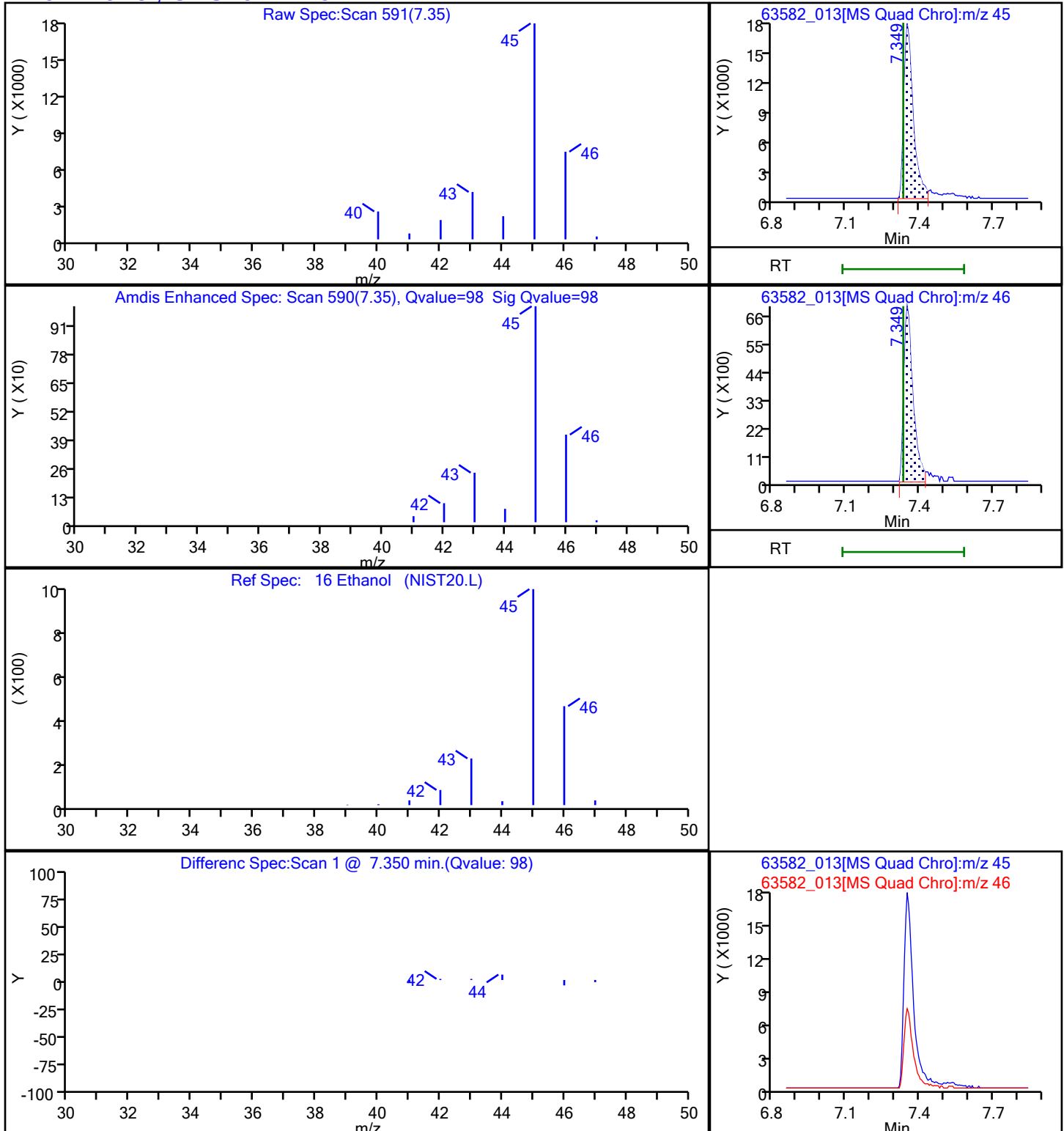
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Ethanol, CAS: 64-17-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

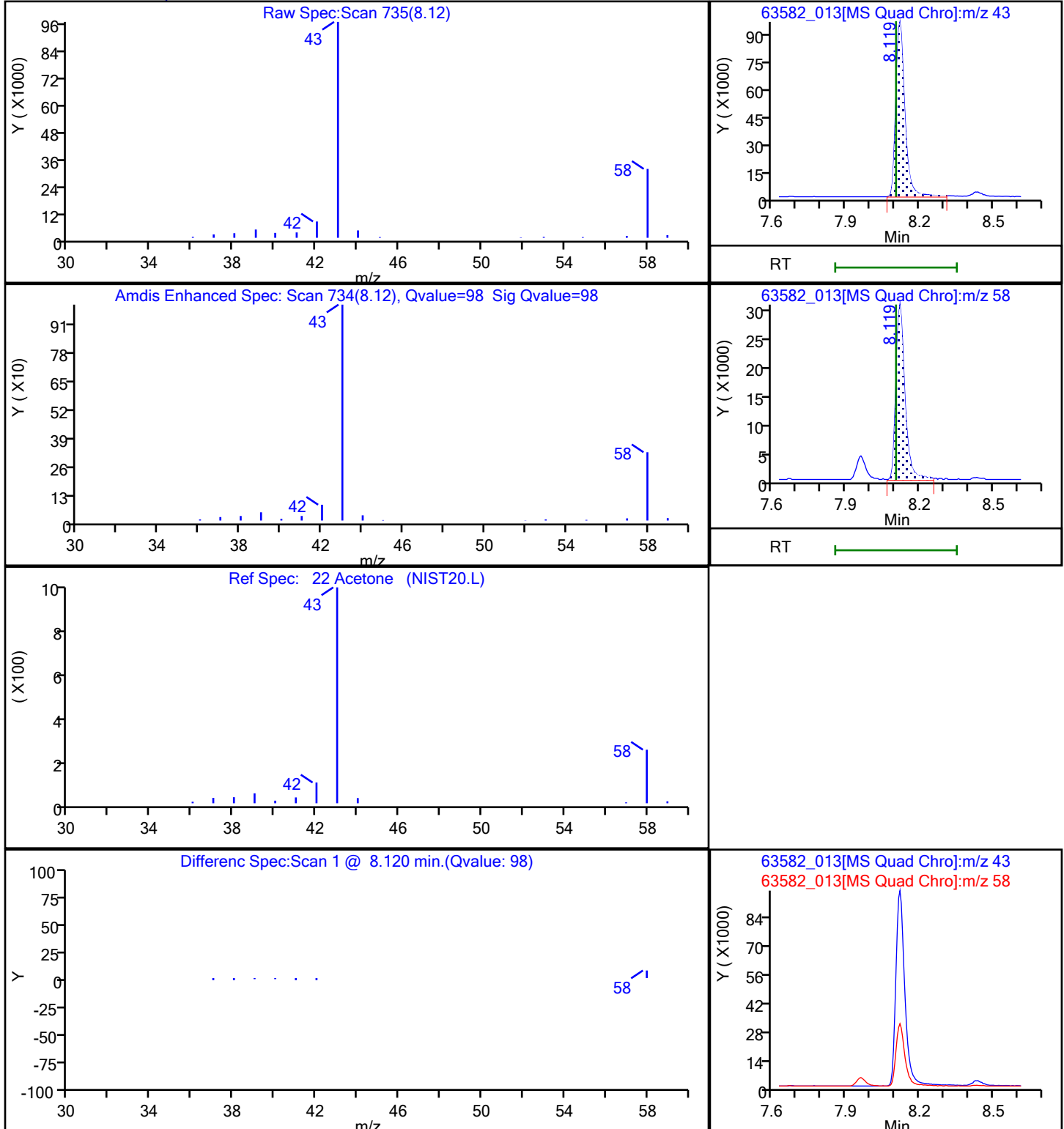
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

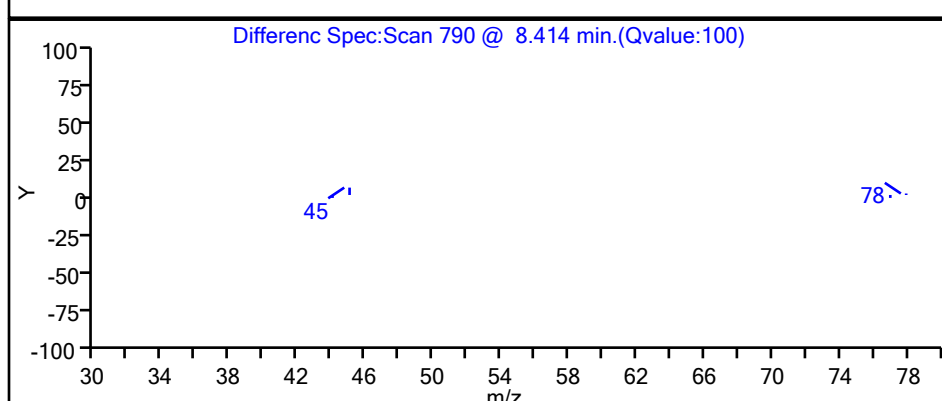
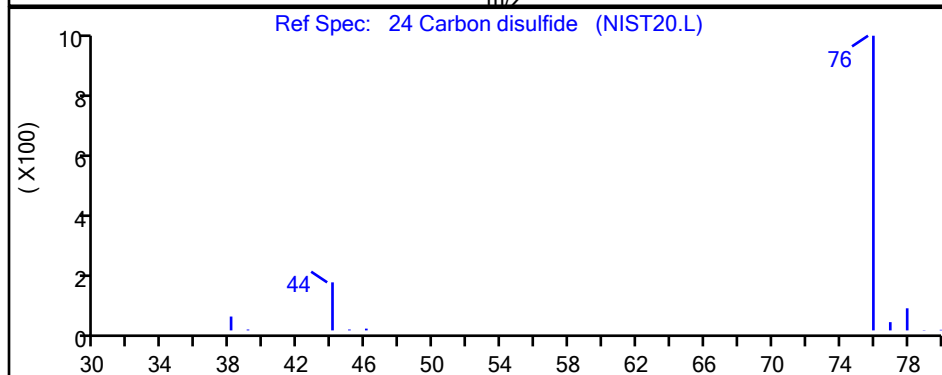
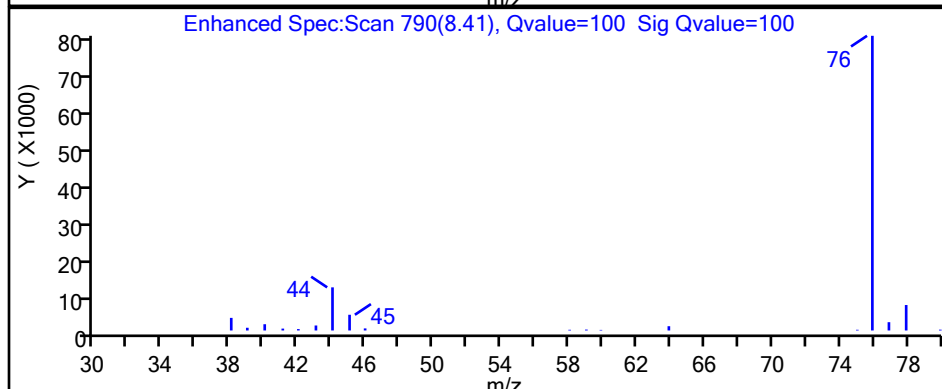
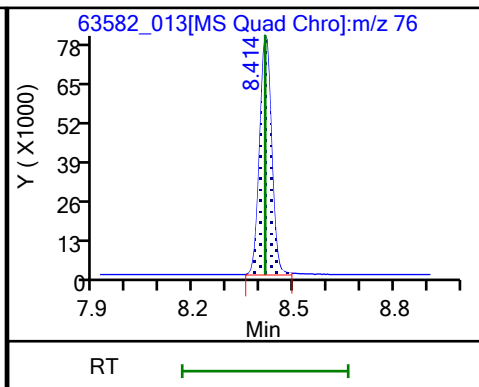
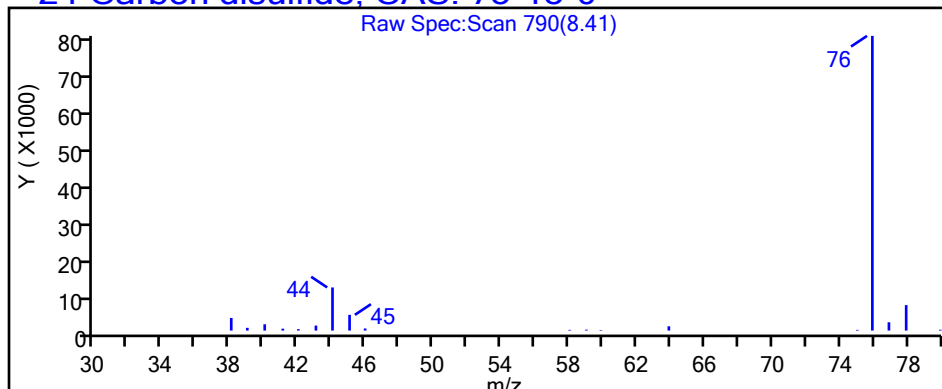
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

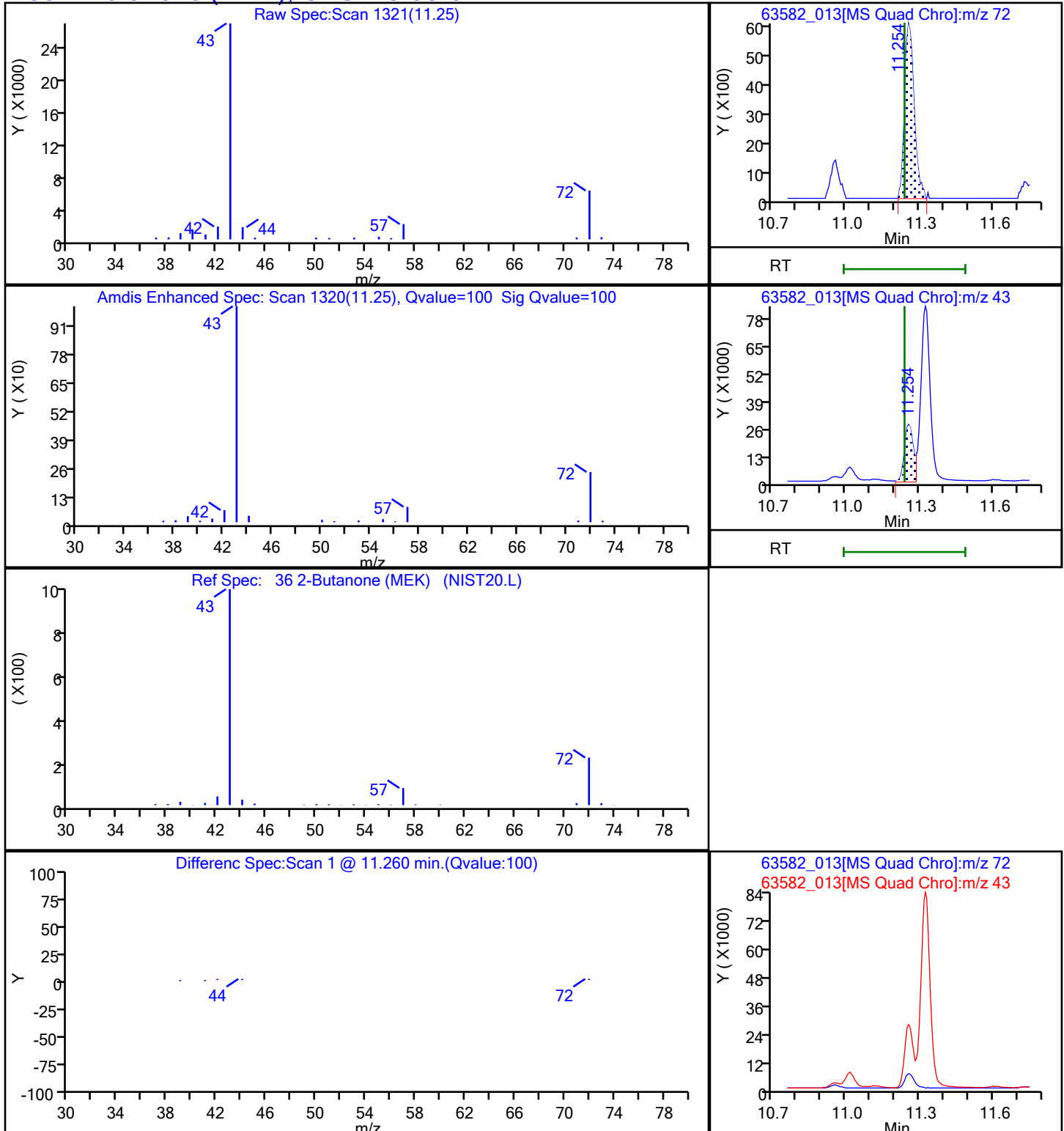
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

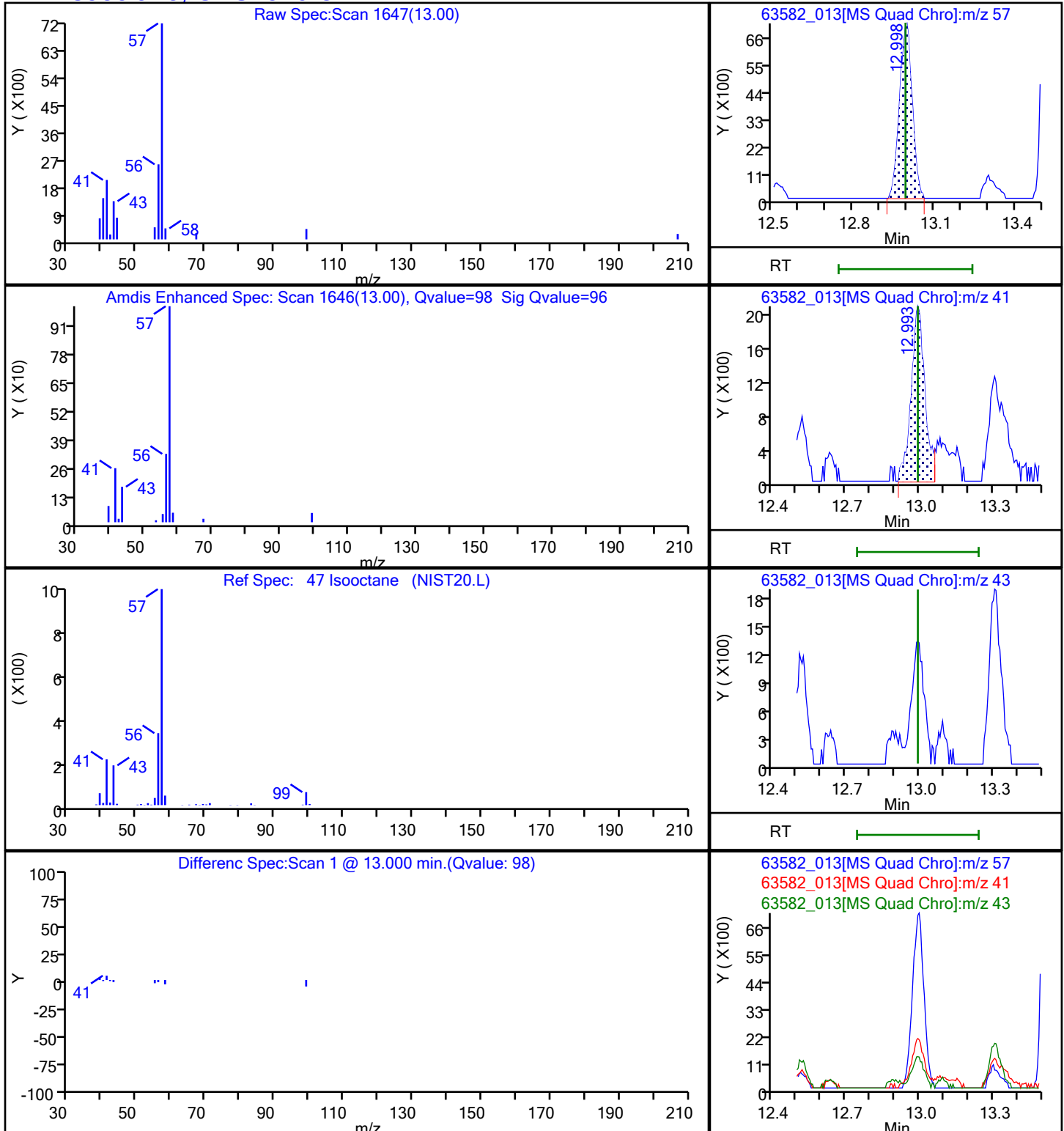
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

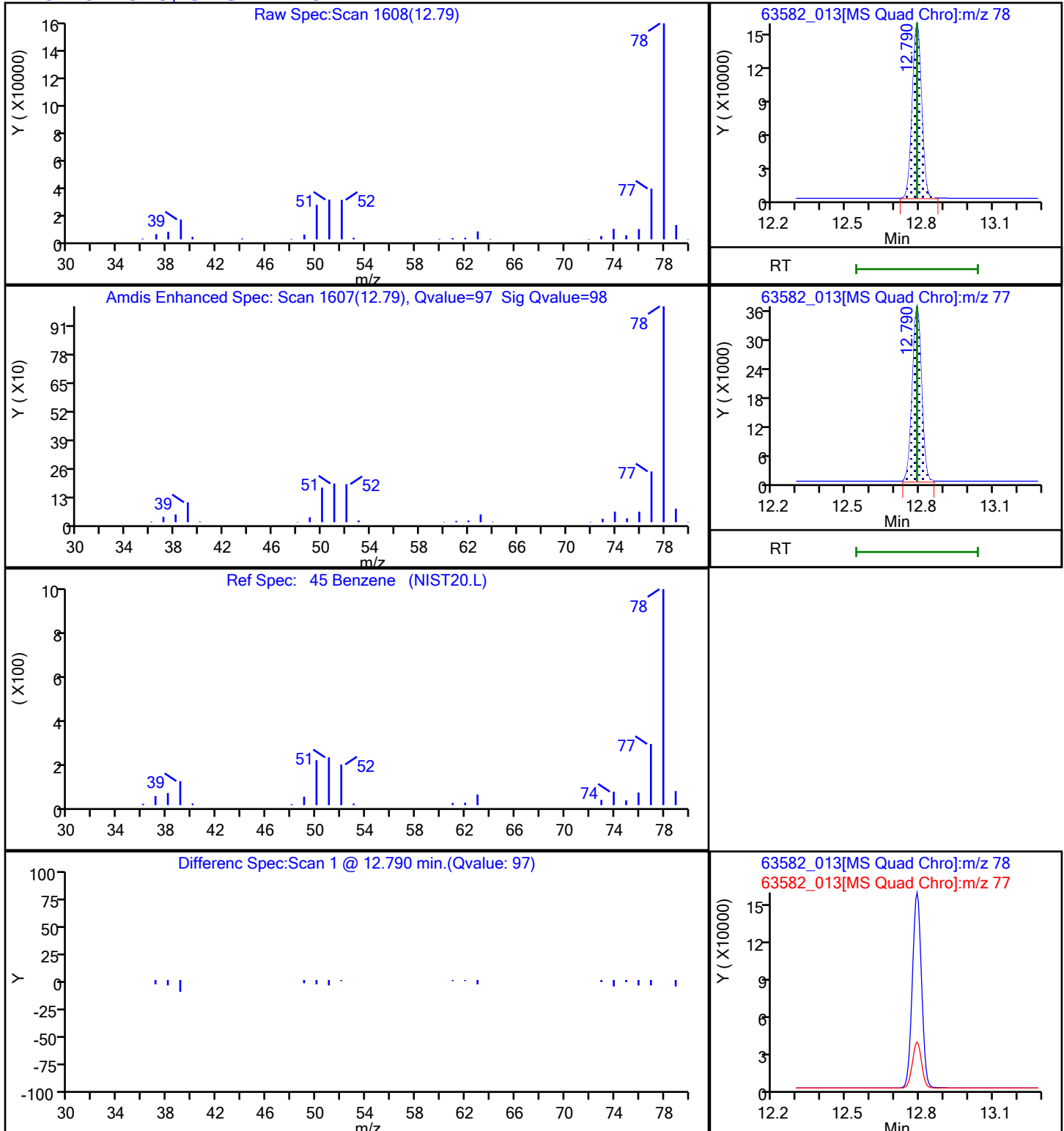
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

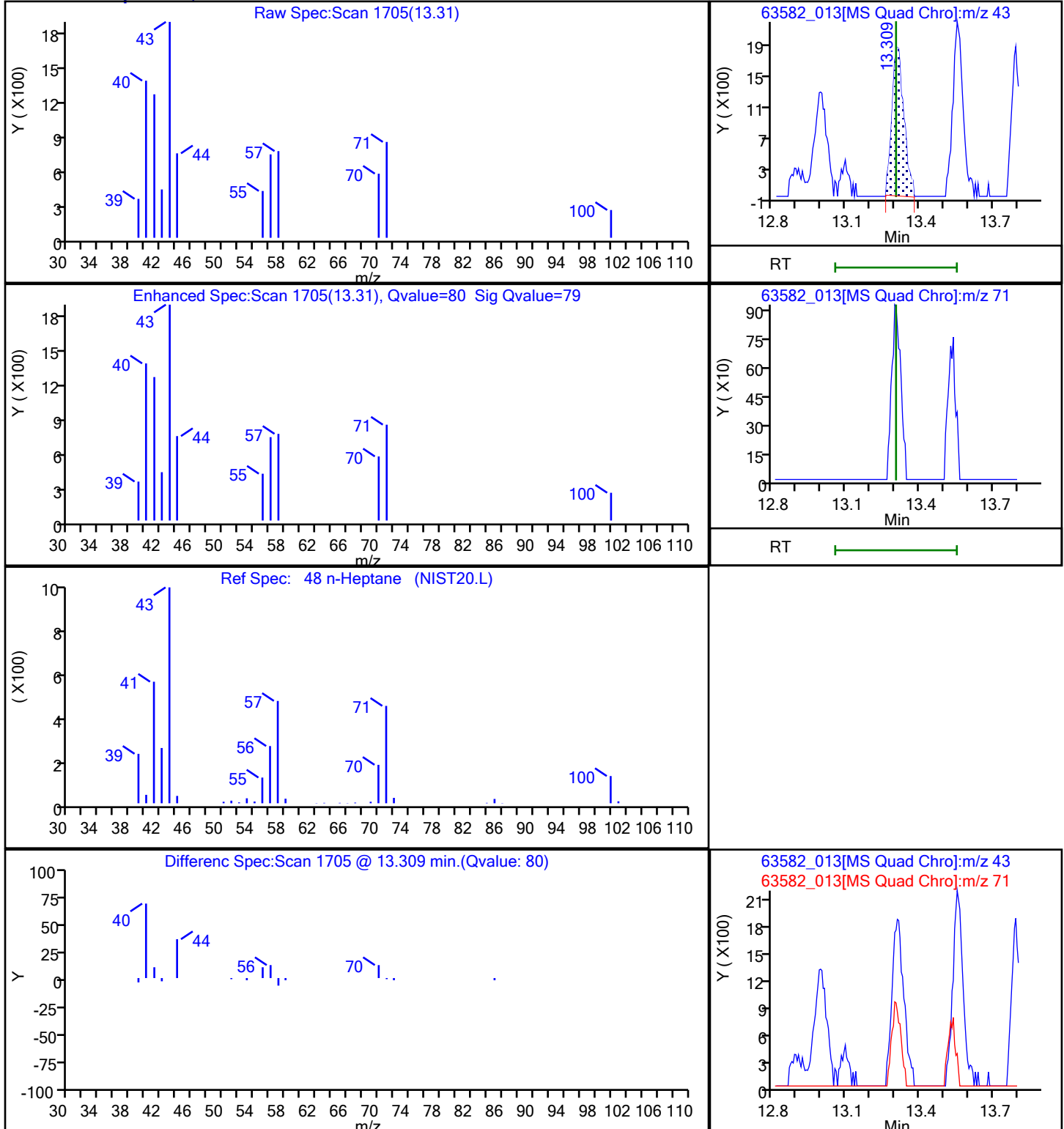
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

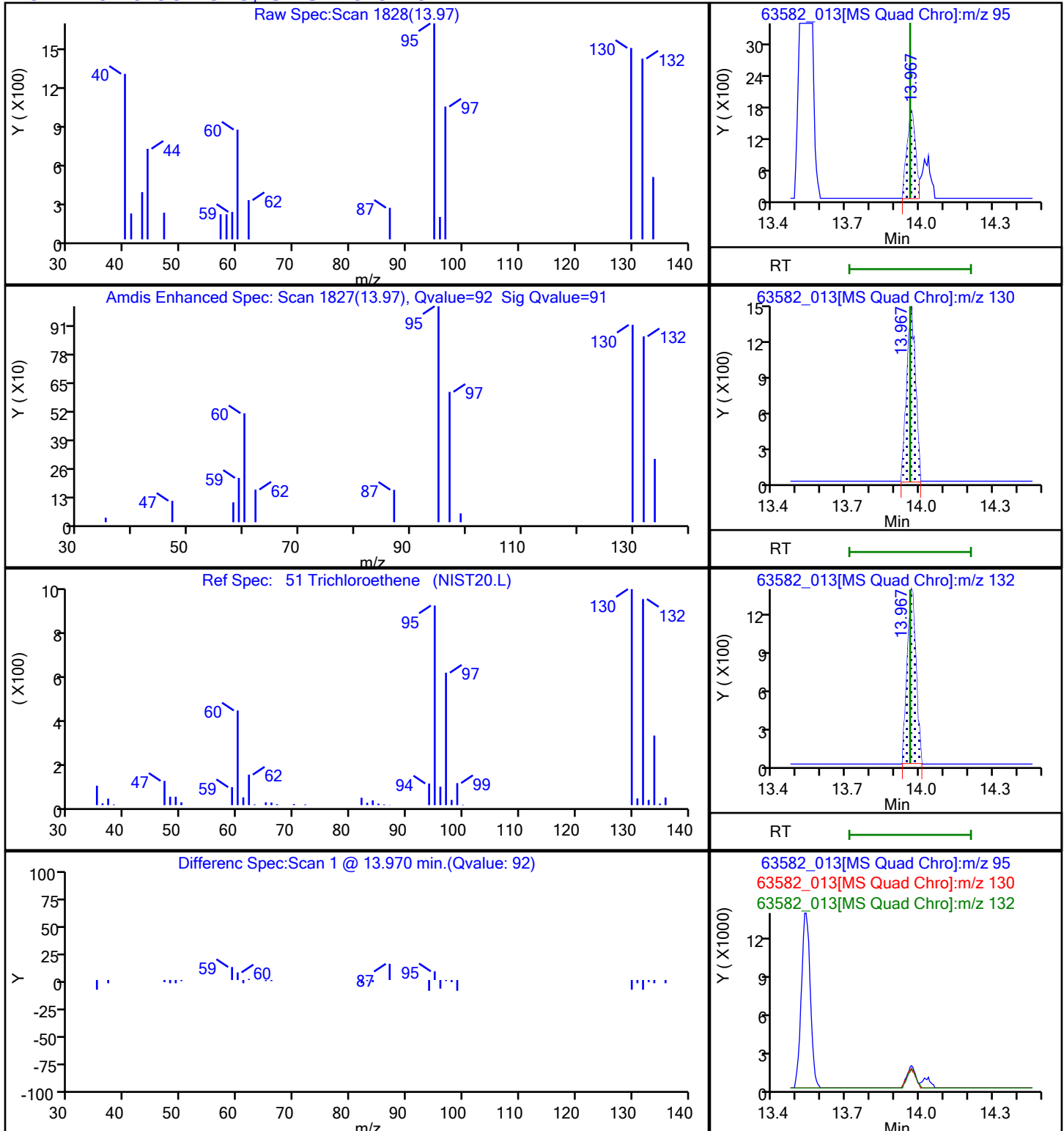
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

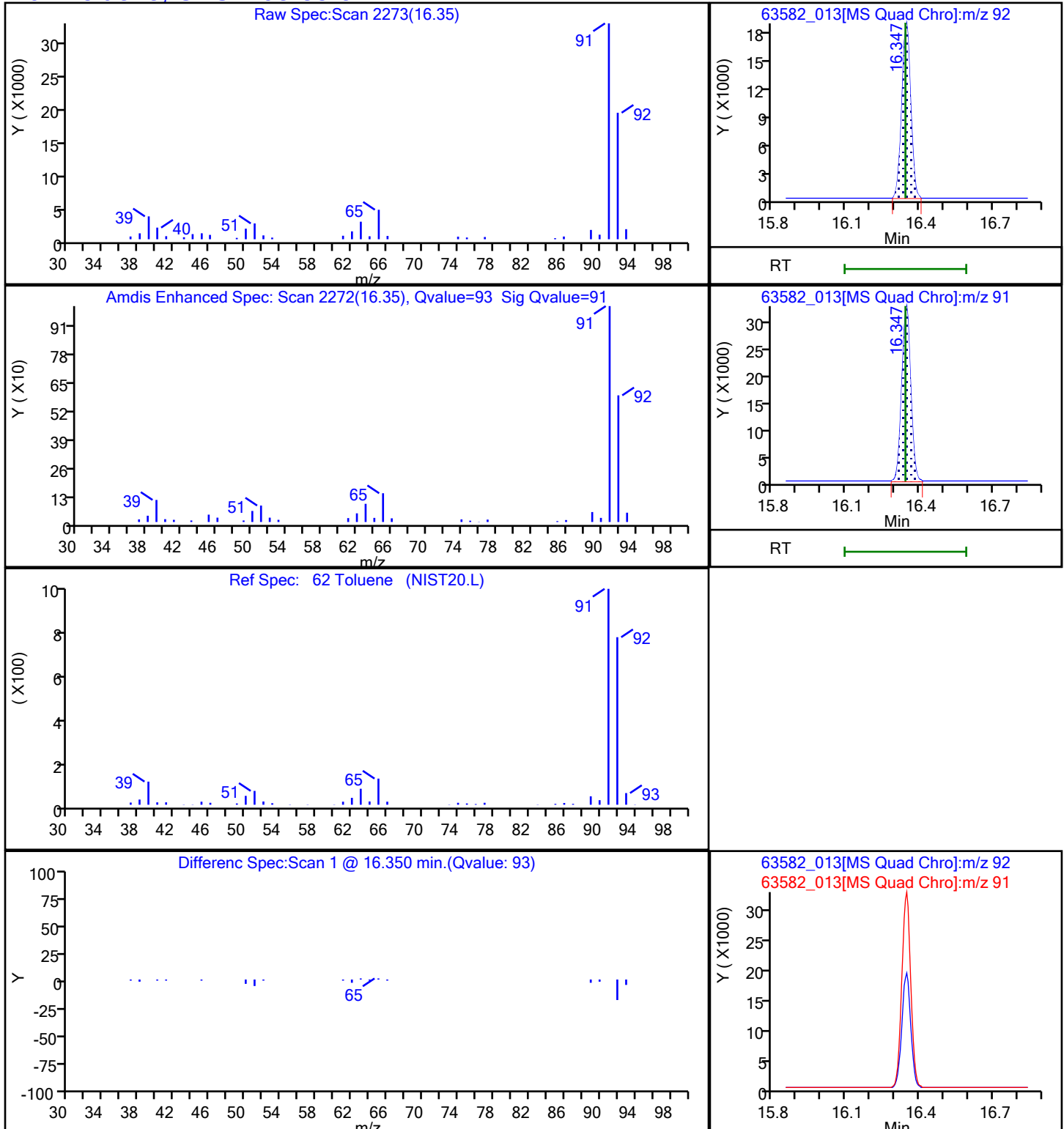
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

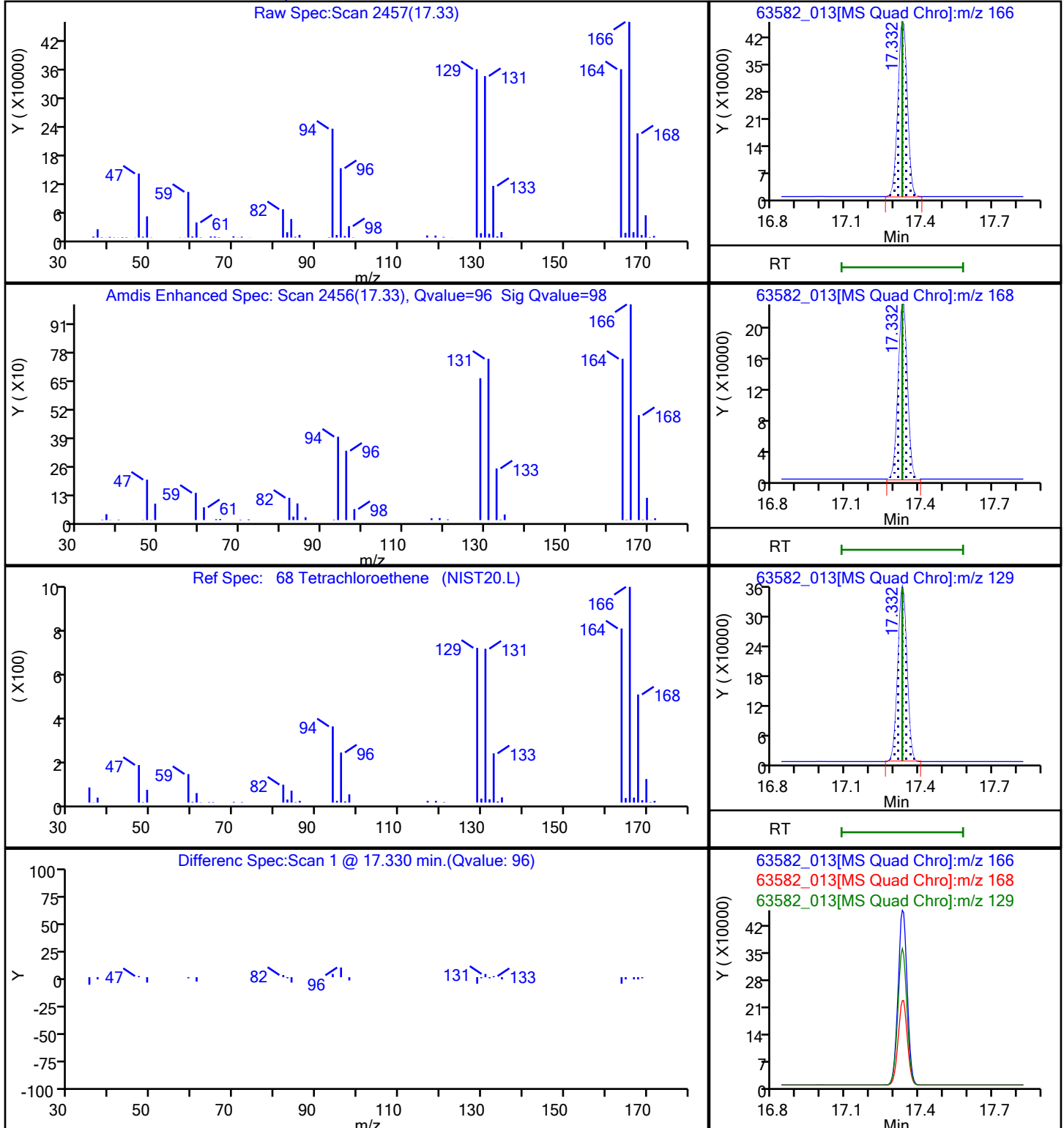
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

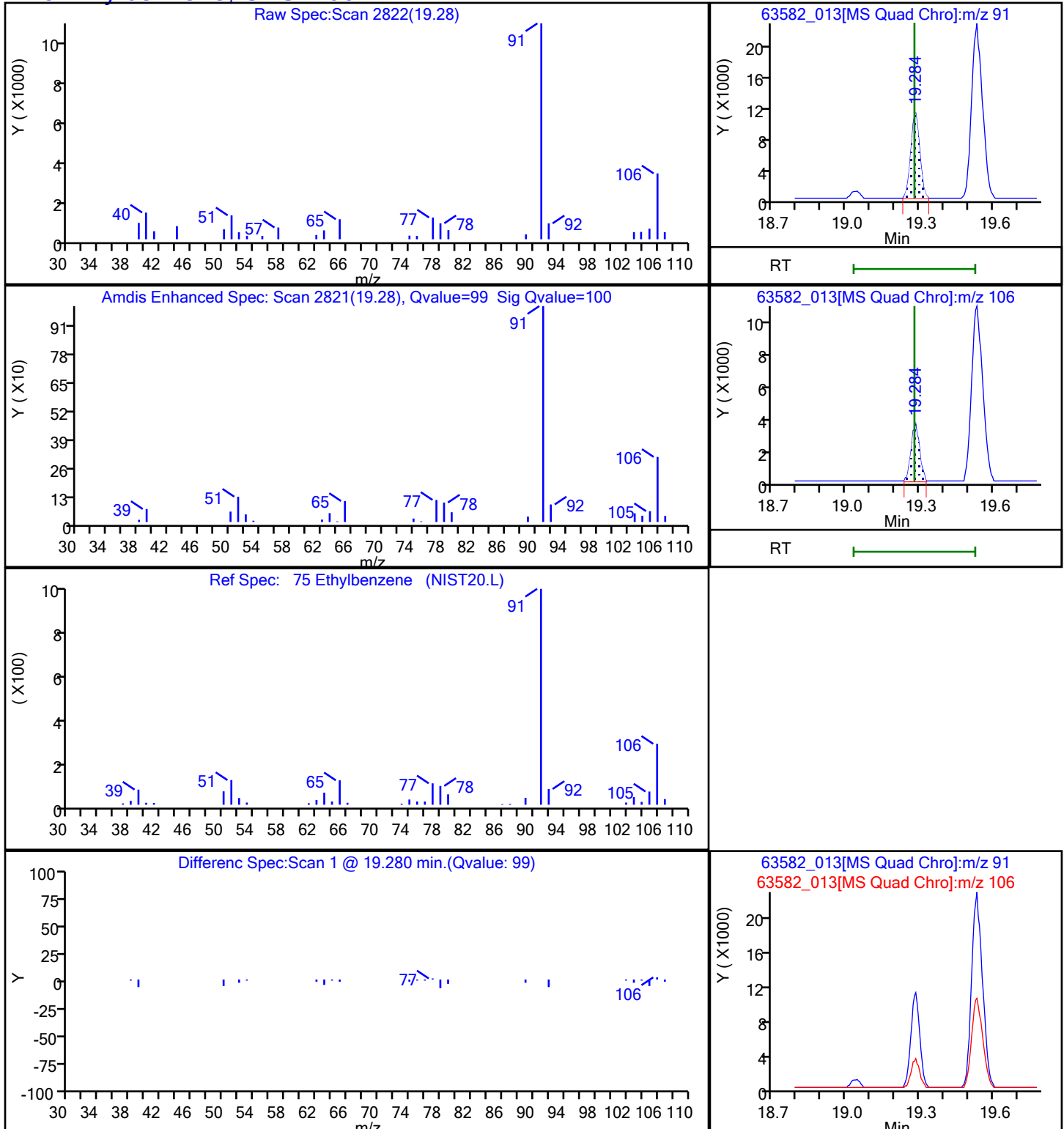
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

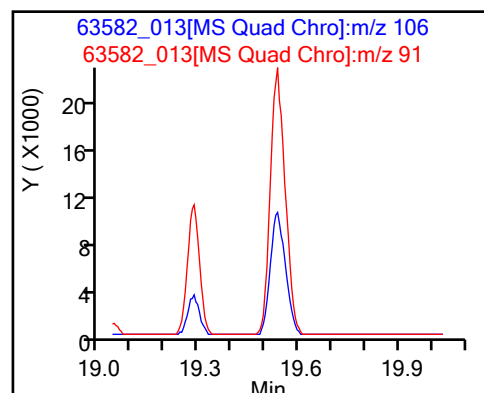
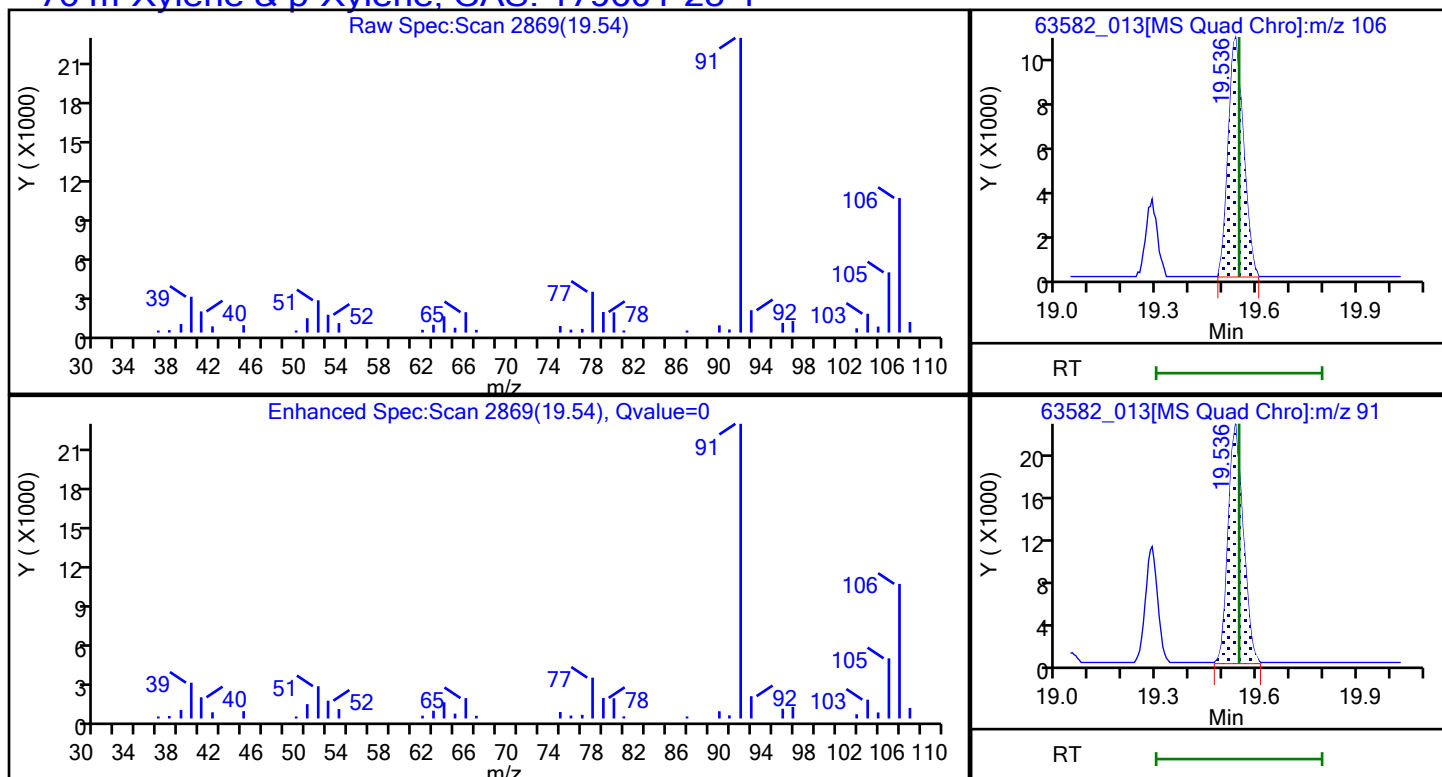
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

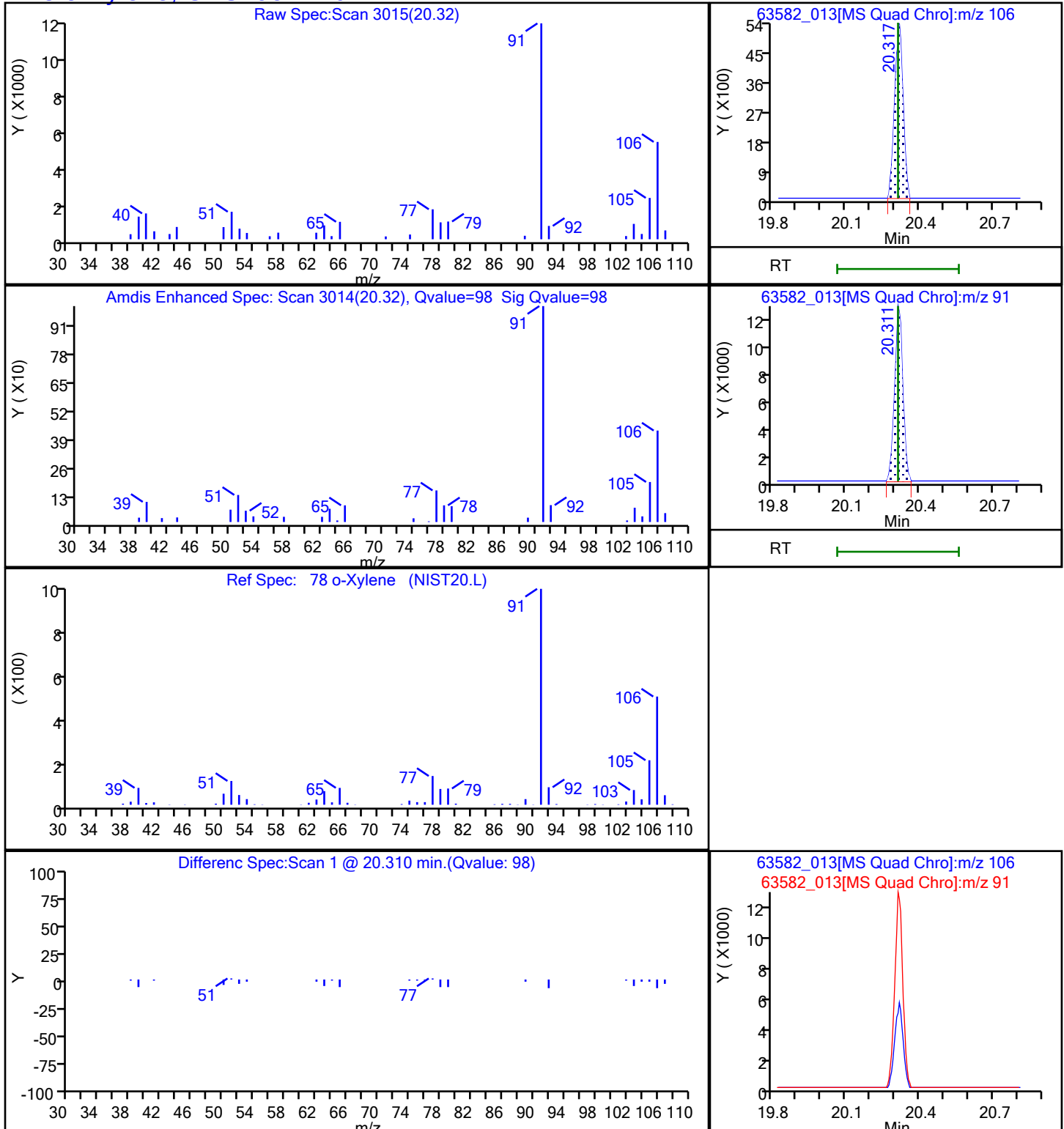
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

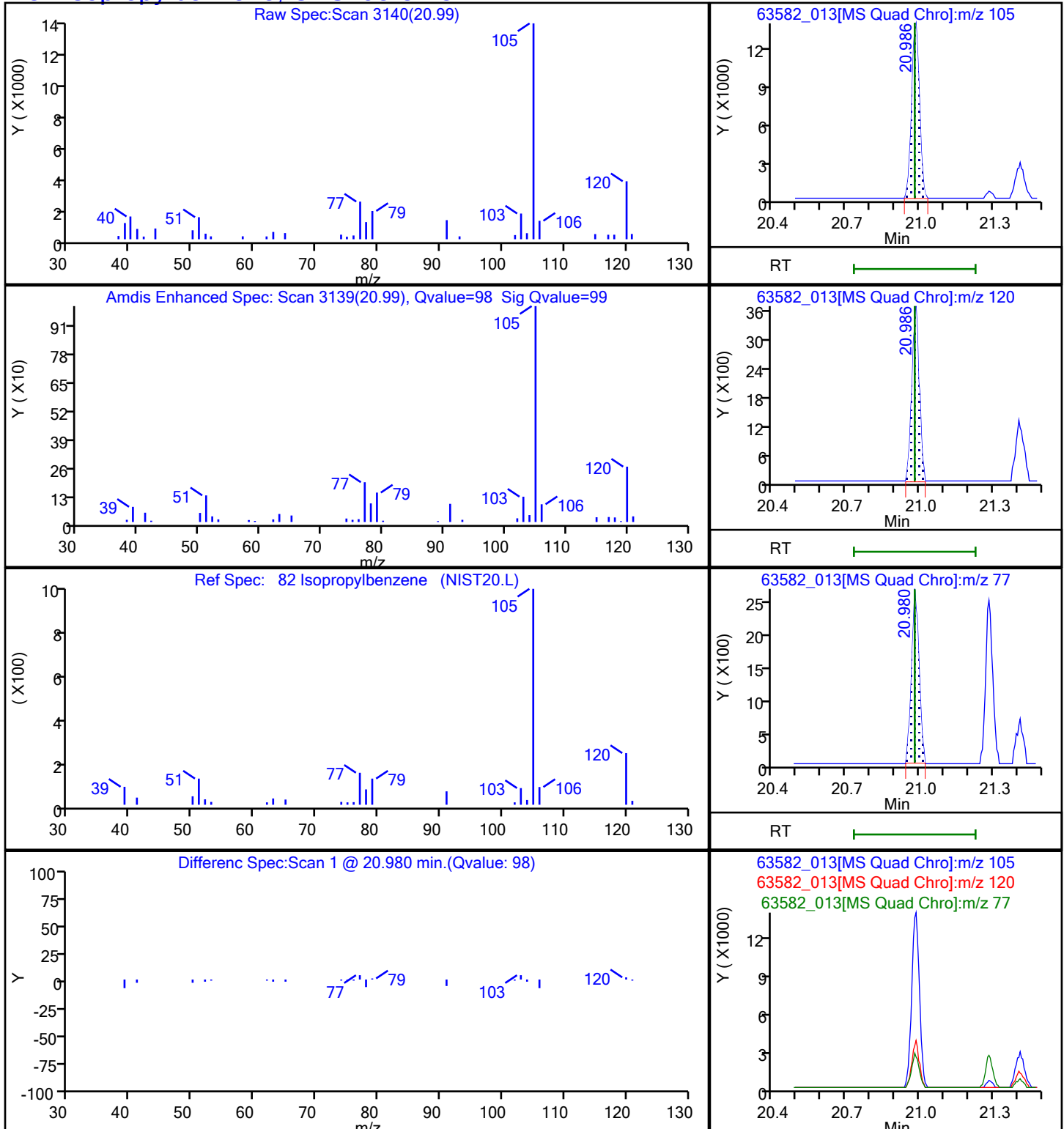
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

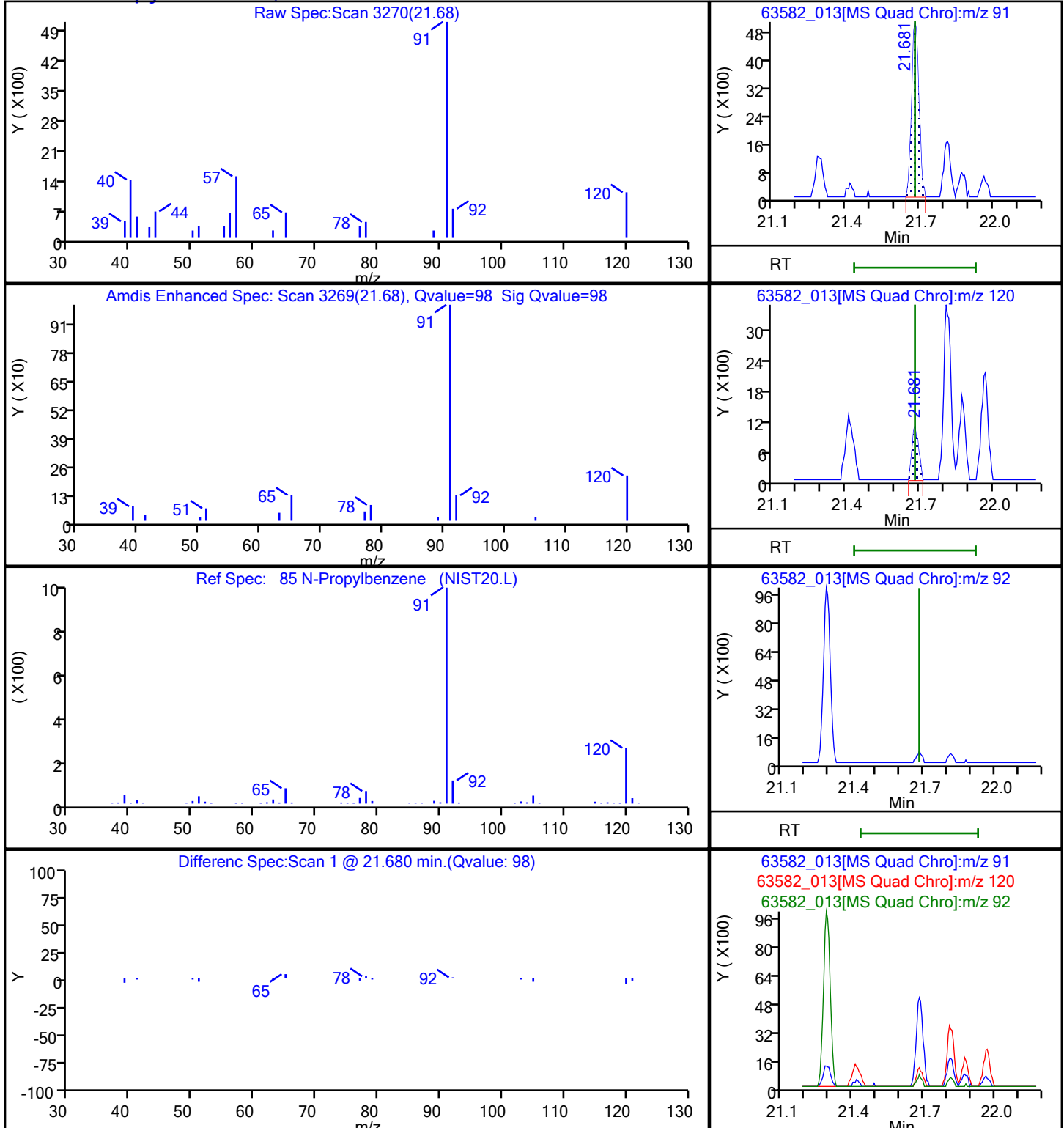
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

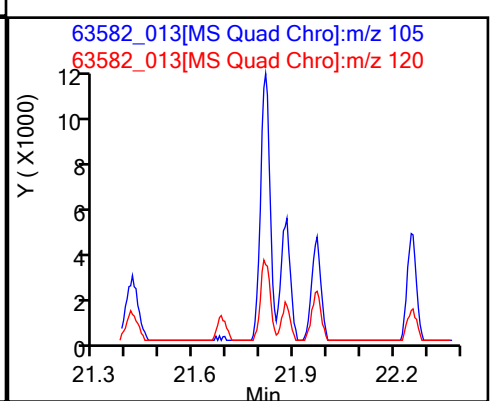
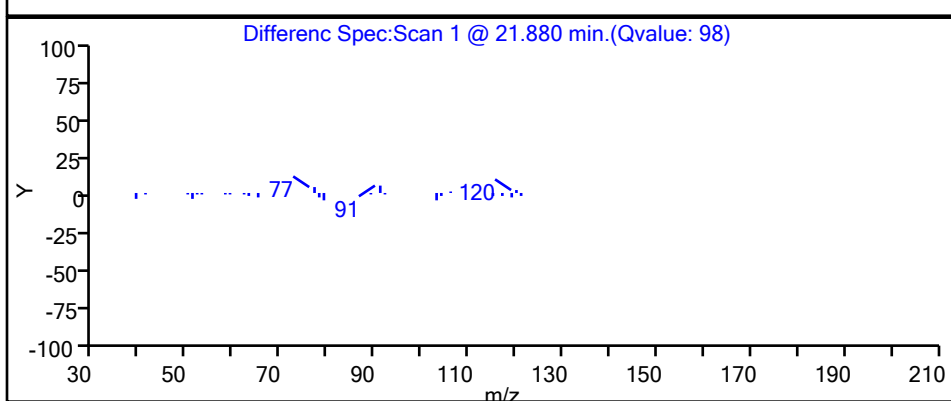
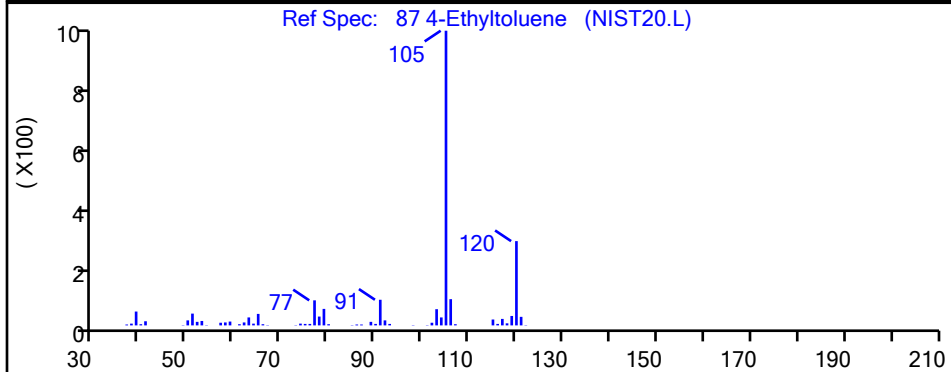
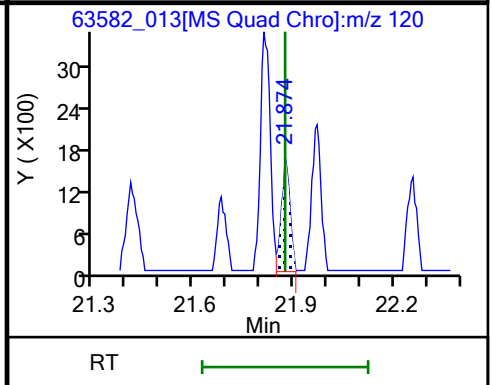
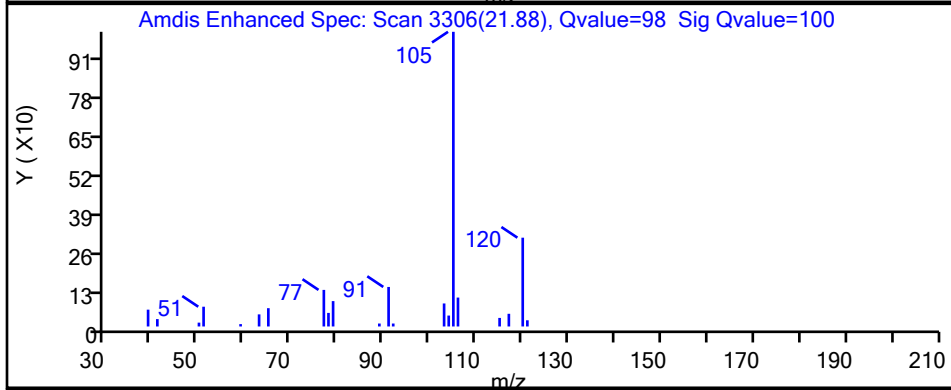
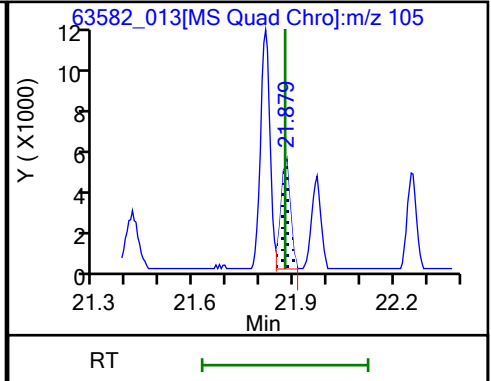
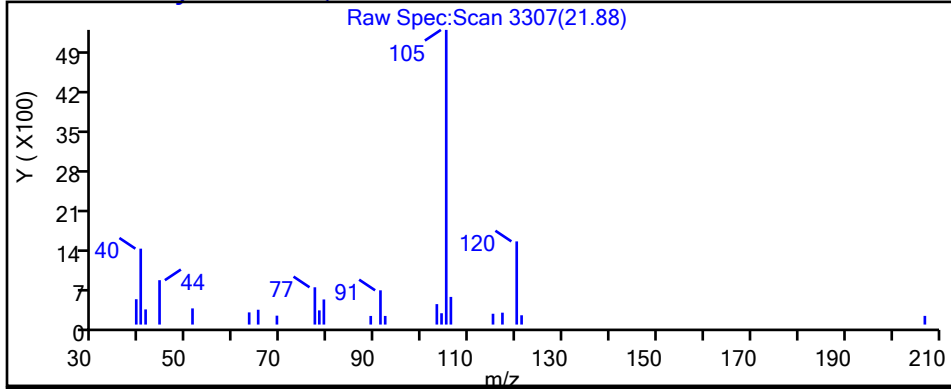
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

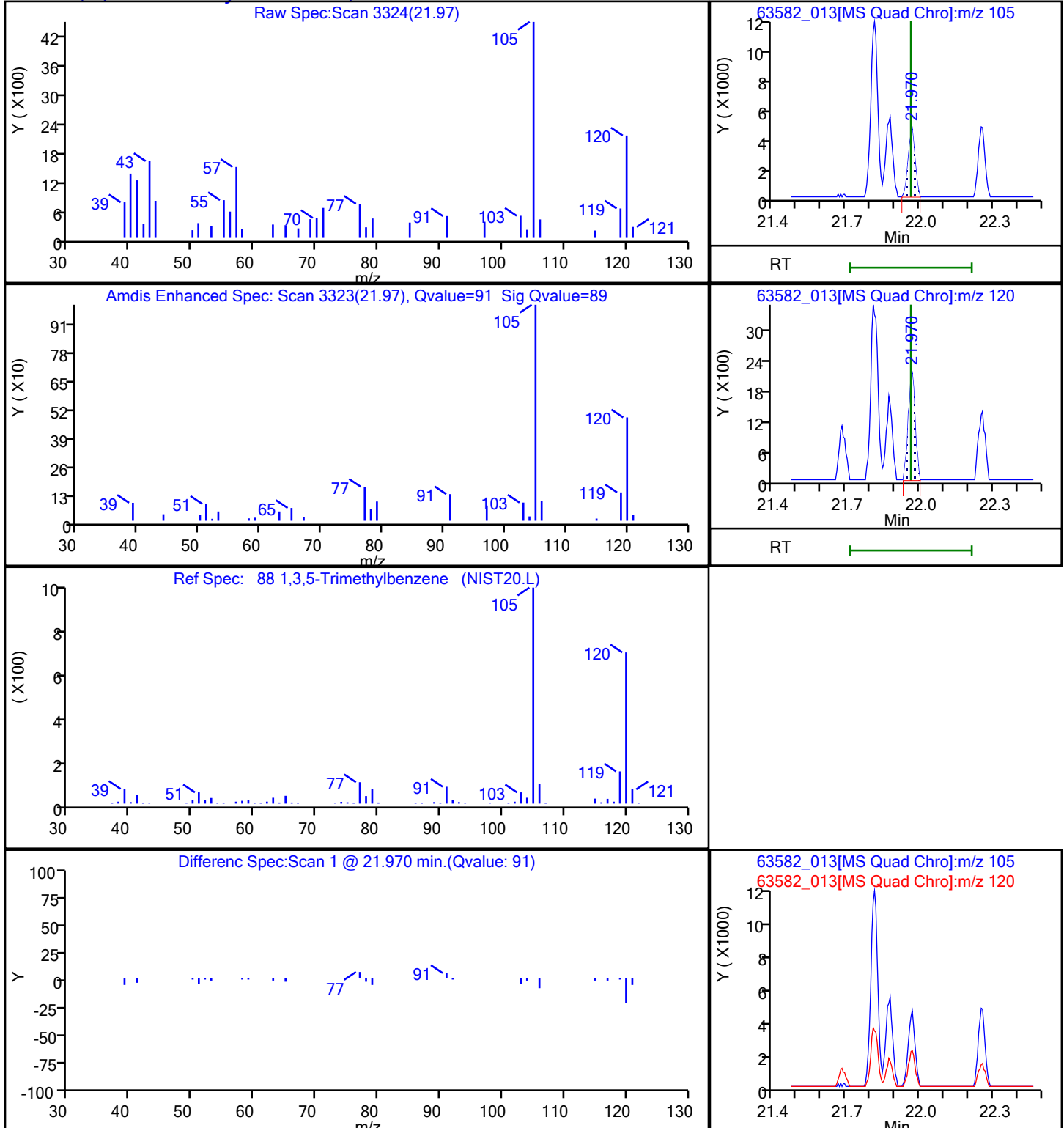
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

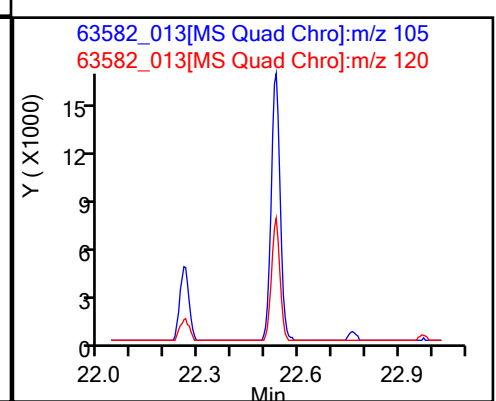
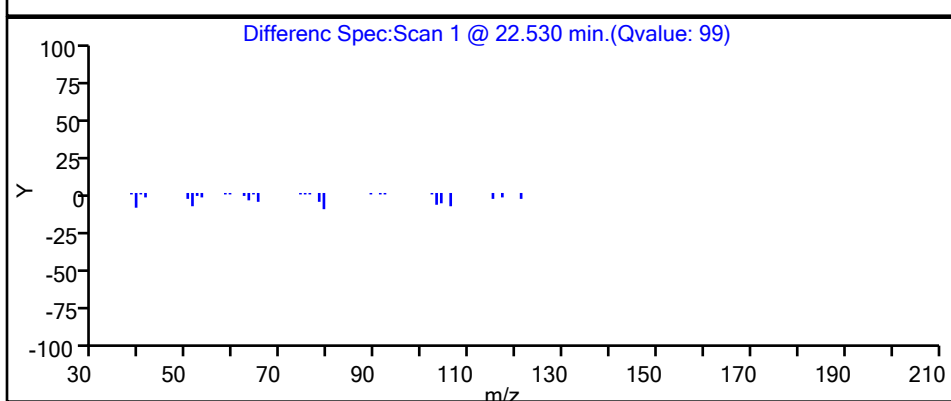
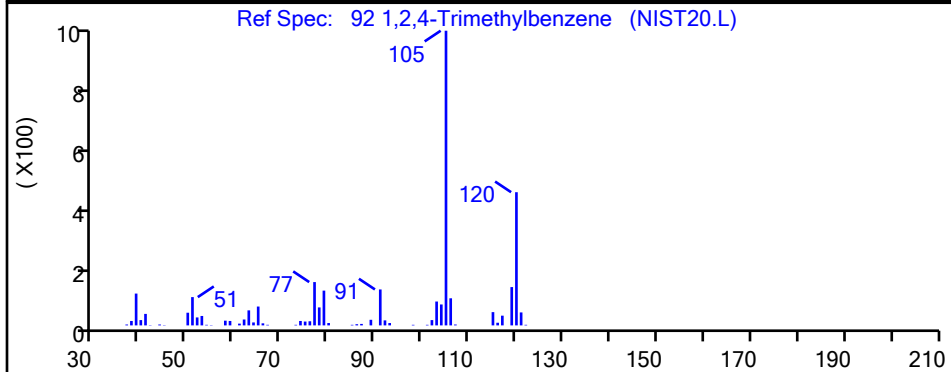
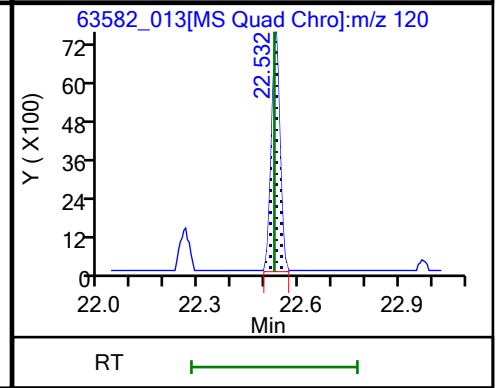
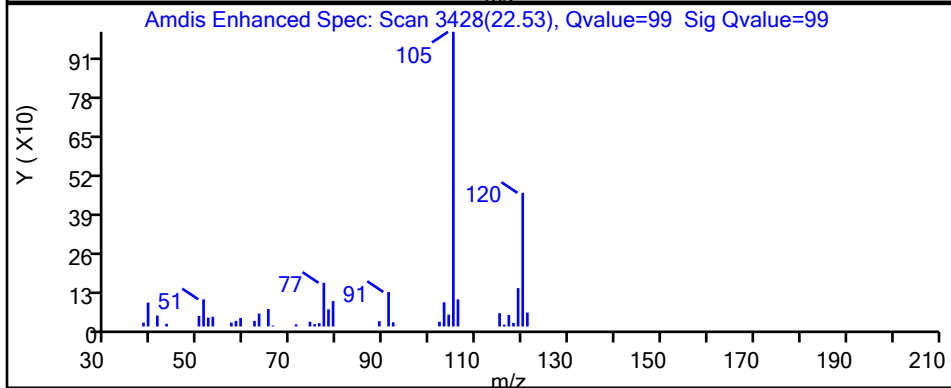
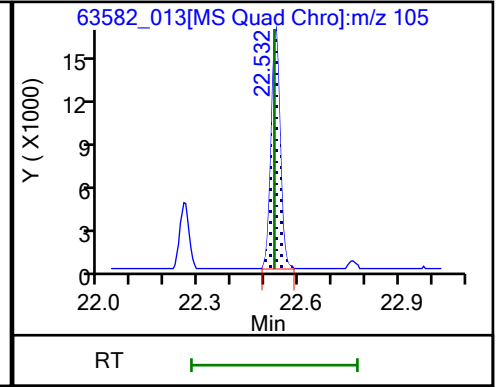
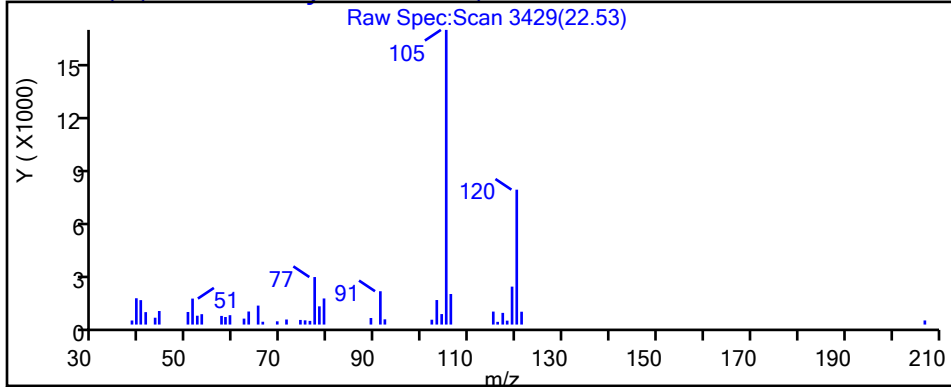
Dil. Factor: 2.9900

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

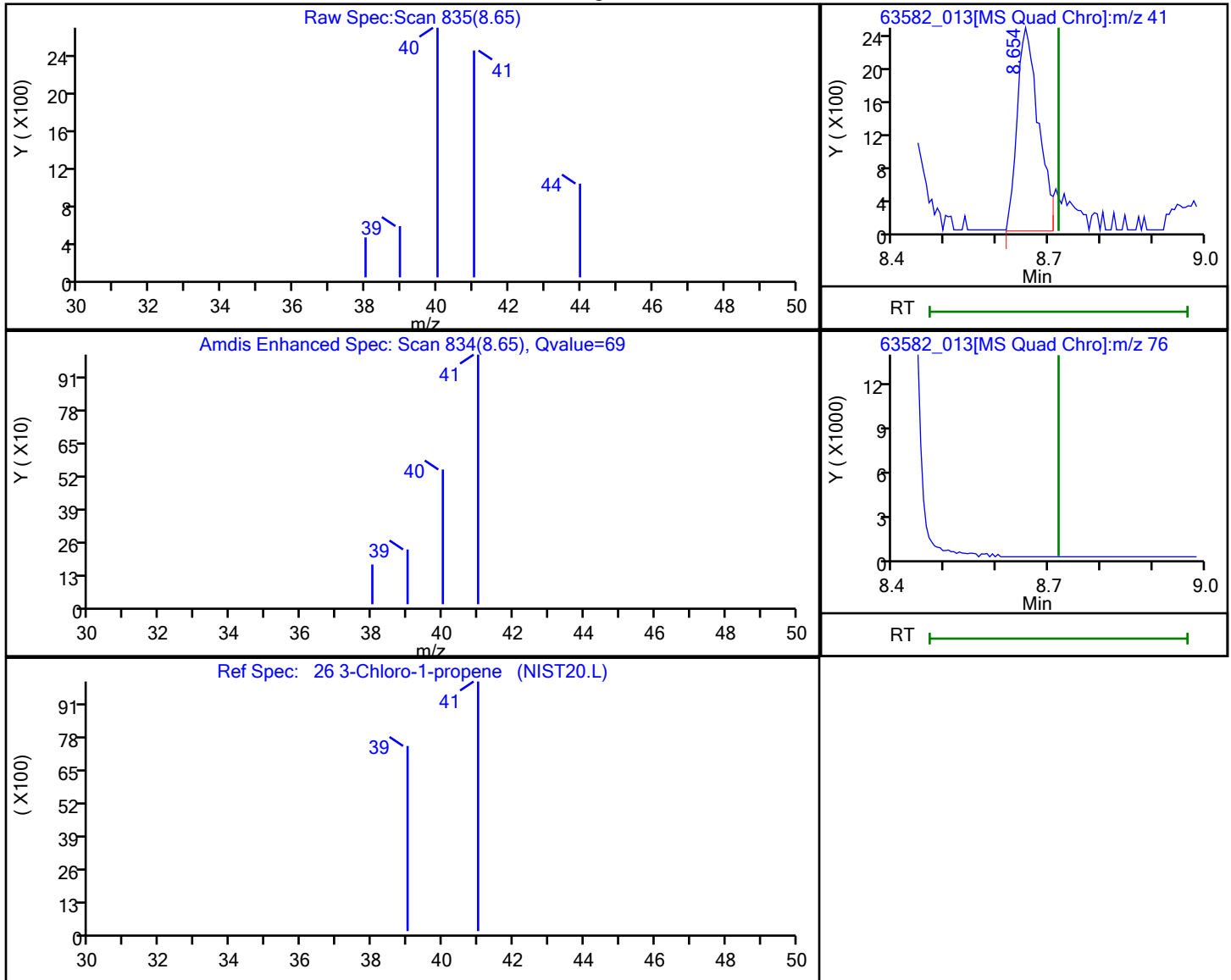
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.65	41.00	6998	0.146108
8.72	76.00	0	

Reviewer: YWL8, 06-Jan-2025 07:22:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

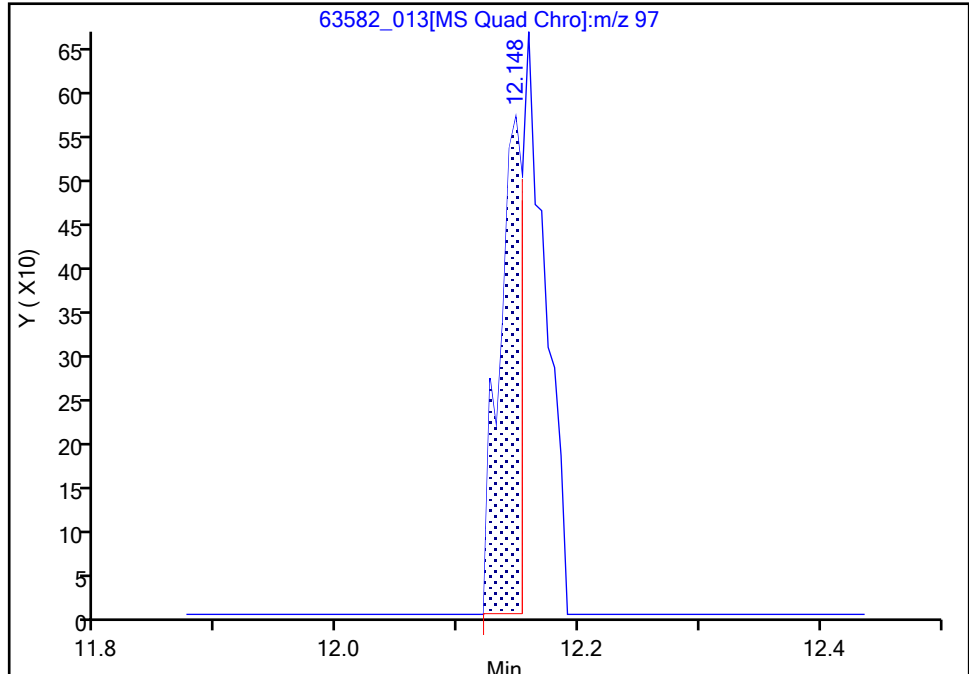
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D
Injection Date: 04-Jan-2025 19:13:39 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 DL Lab Sample ID: 200-76392-5
Client ID: SV122024KT005
Operator ID: vtp ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 2.9900
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

Signal: 1

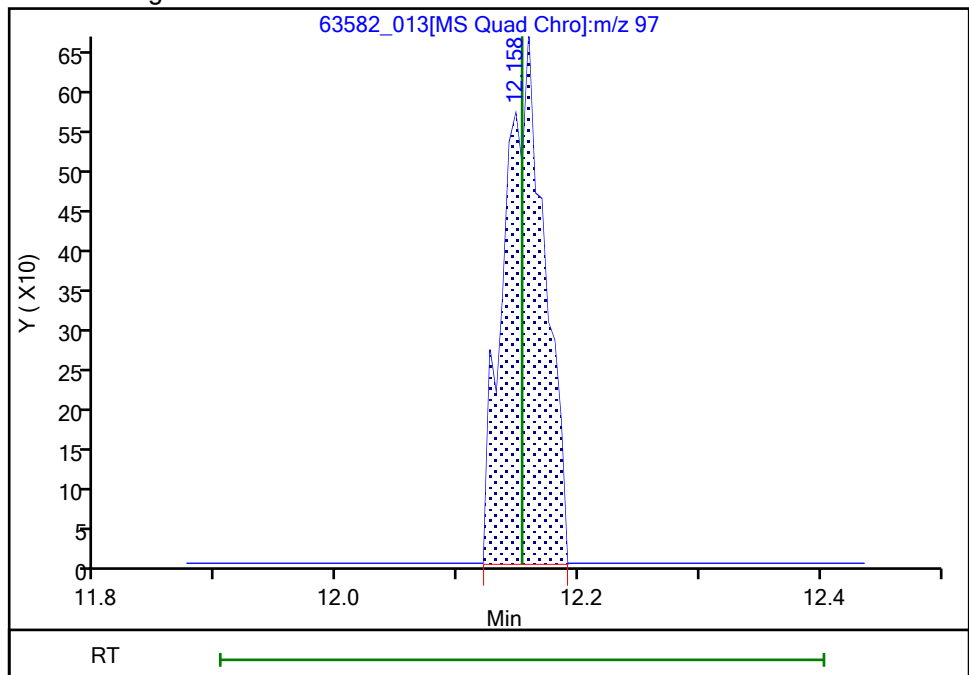
RT: 12.15
Area: 771
Amount: 0.010820
Amount Units: ppb v/v

Processing Integration Results



RT: 12.16
Area: 1524
Amount: 0.021388
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 06-Jan-2025 07:22:48 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

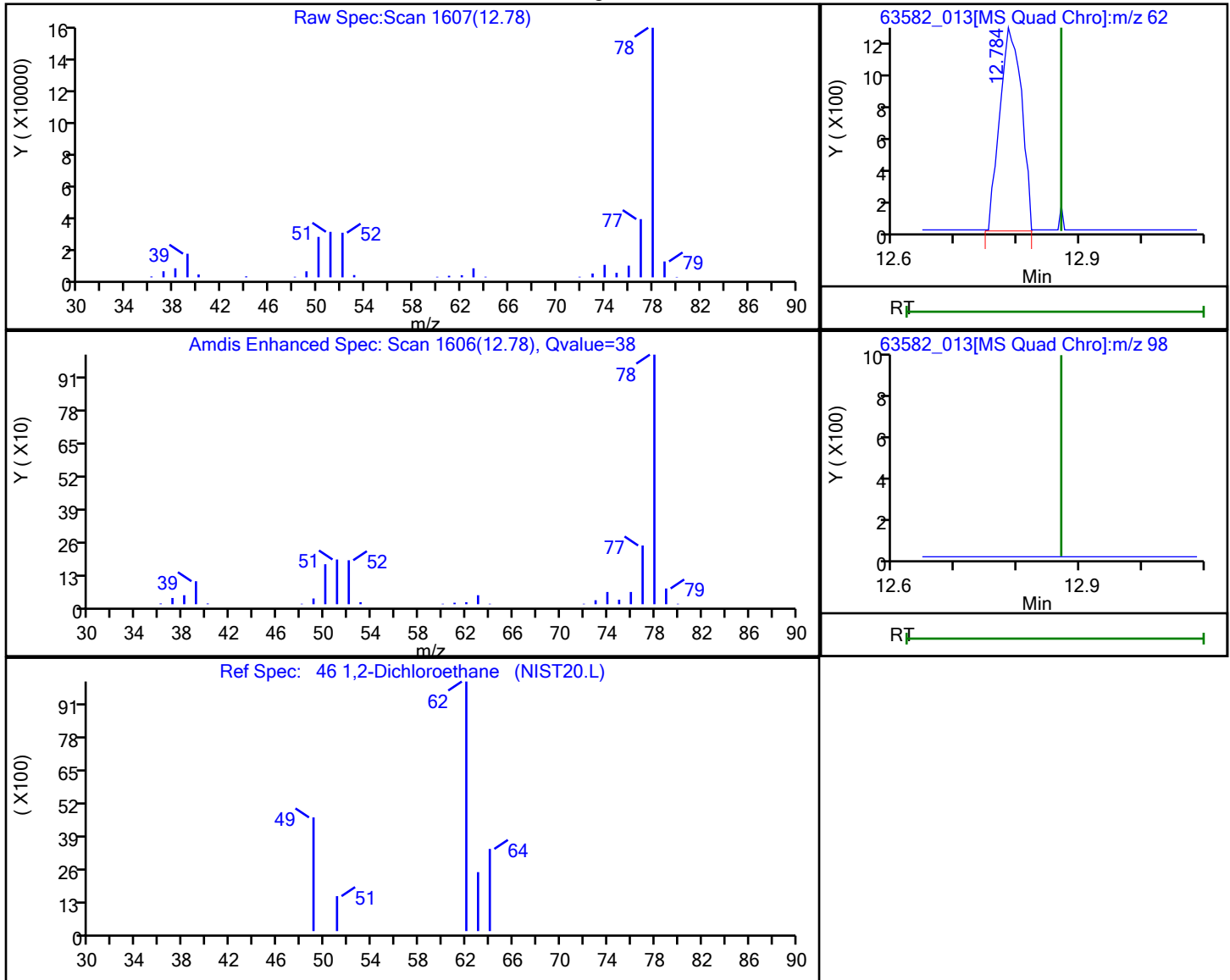
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

46 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
12.78	62.00	3096	0.061548
12.87	98.00	0	

Reviewer: YWL8, 06-Jan-2025 07:24:39 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

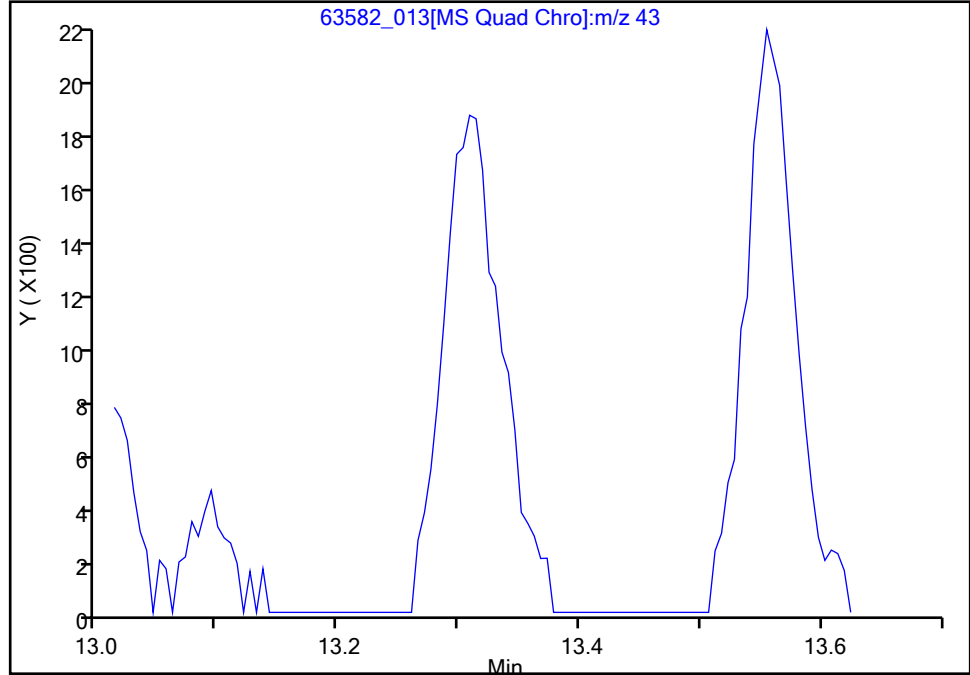
48 n-Heptane, CAS: 142-82-5

Signal: 1

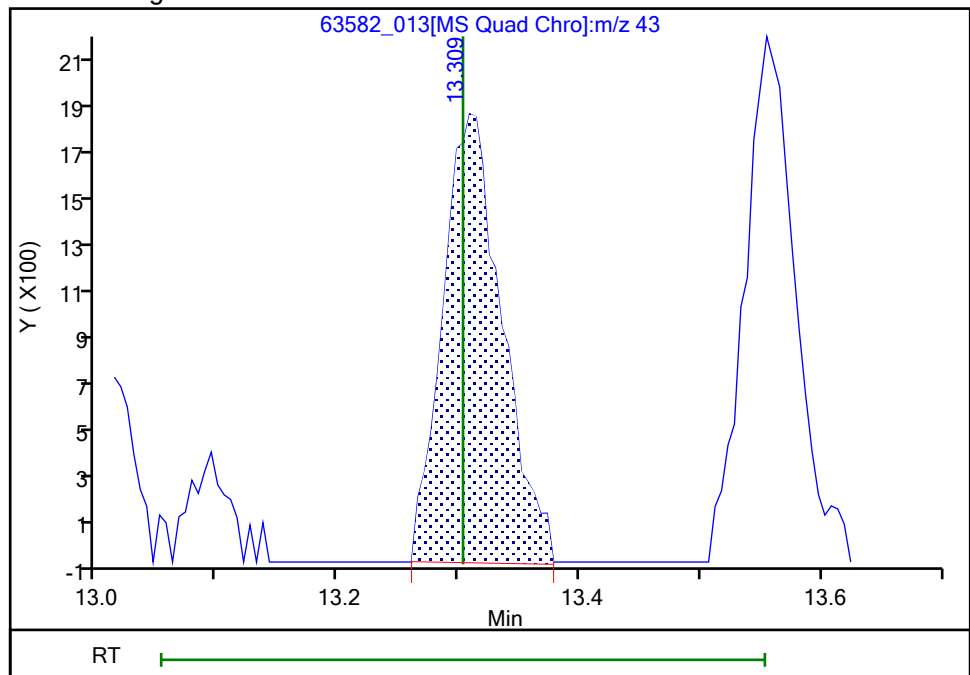
Not Detected

Expected RT: 13.30

Processing Integration Results



Manual Integration Results



RT: 13.31

Area: 6246

Amount: 0.094028

Amount Units: ppb v/v

Reviewer: YWL8, 06-Jan-2025 07:24:53 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

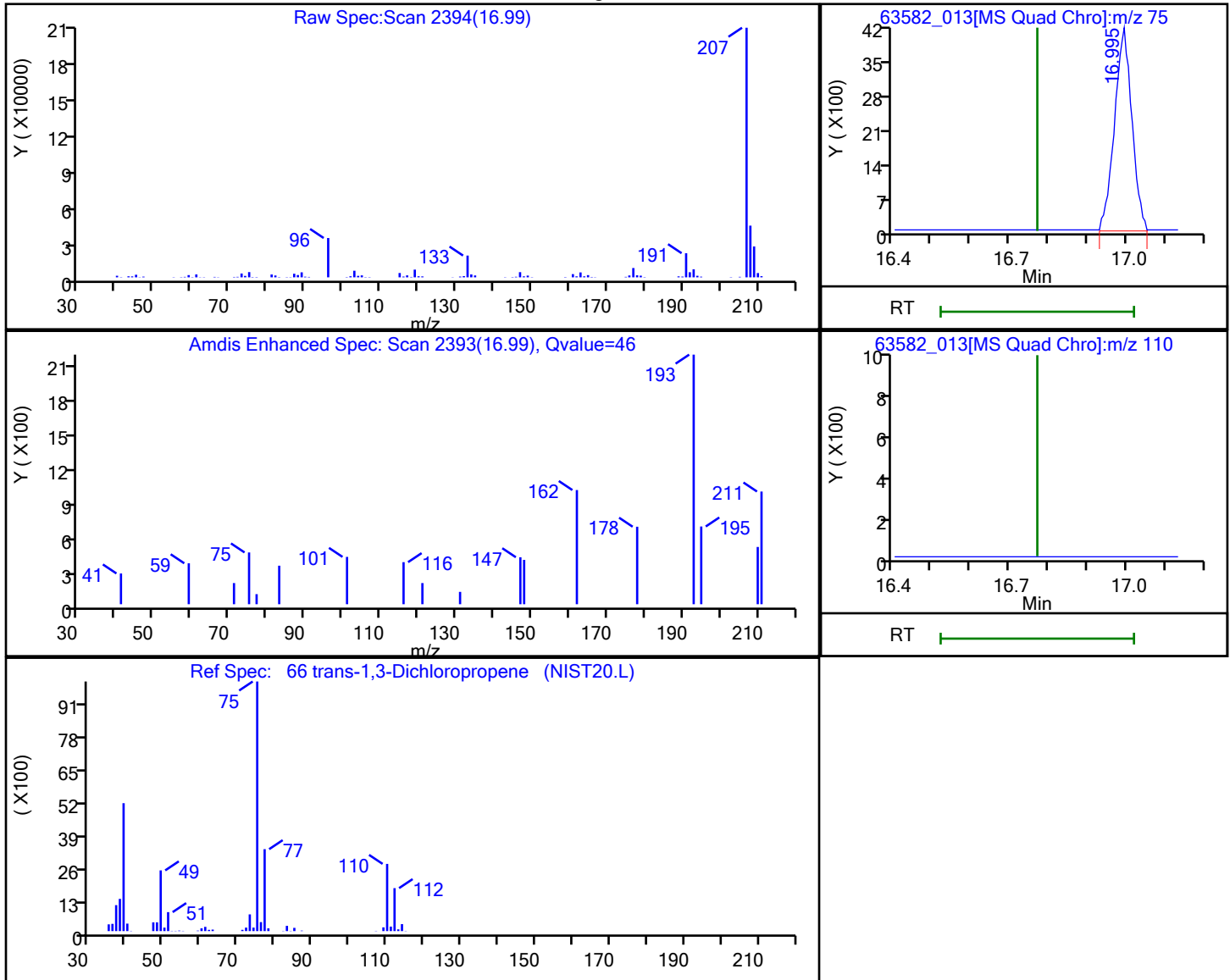
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
16.99	75.00	13000	0.231753
16.77	110.00	0	

Reviewer: YWL8, 06-Jan-2025 07:28:10 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

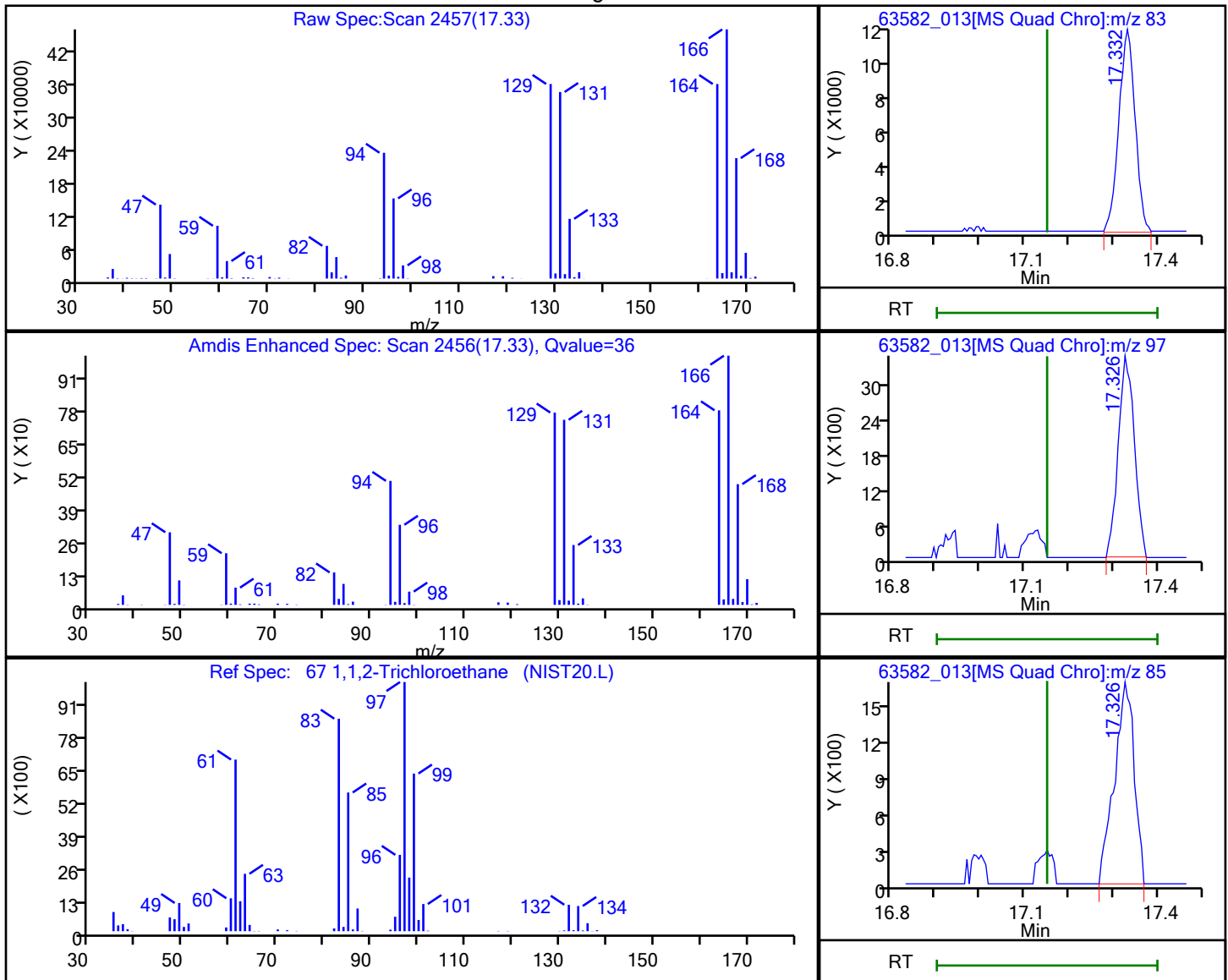
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D
Injection Date: 04-Jan-2025 19:13:39 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 DL Lab Sample ID: 200-76392-5
Client ID: SV122024KT005
Operator ID: vtp ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 2.9900
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
17.33	83.00	28775	0.689143
17.33	97.00	8836	
17.33	85.00	5252	

Reviewer: YWL8, 06-Jan-2025 07:28:41 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

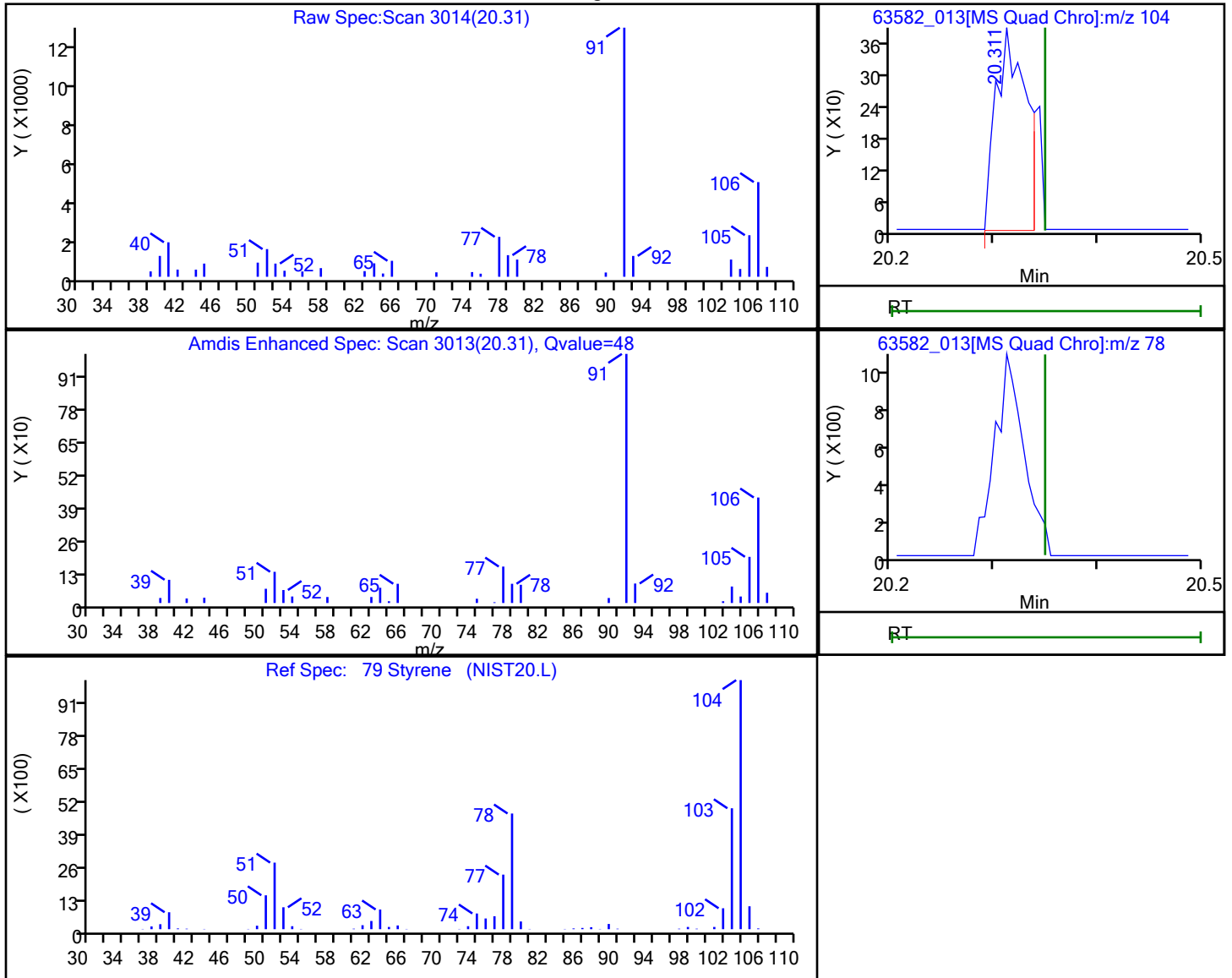
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

79 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
20.31	104.00	785	0.008552
20.35	78.00	0	

Reviewer: YWL8, 06-Jan-2025 07:29:33 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

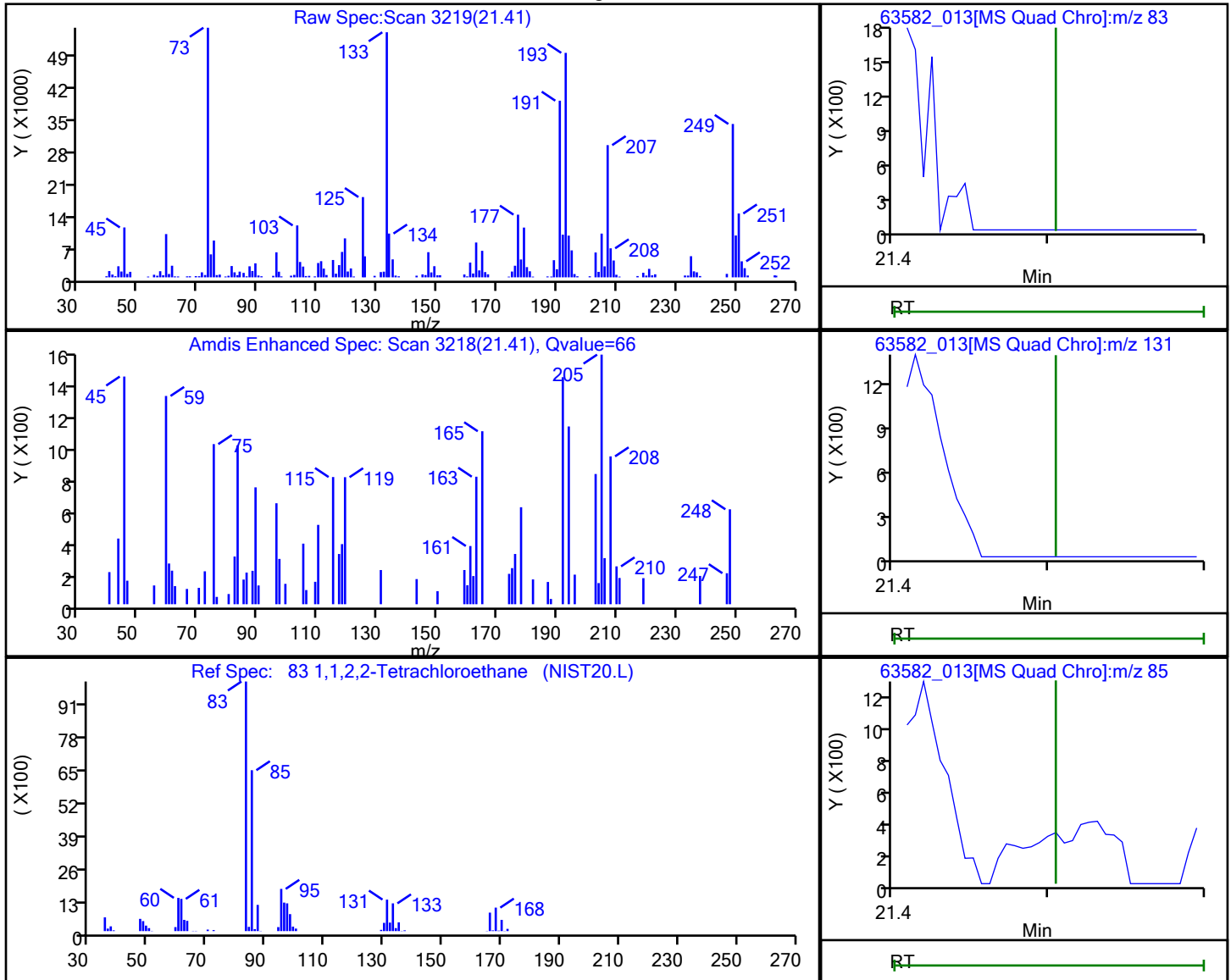
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.41	83.00	2322	0.021135
21.41	131.00	3397	
21.40	85.00	1339	

Reviewer: YWL8, 06-Jan-2025 07:29:49 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

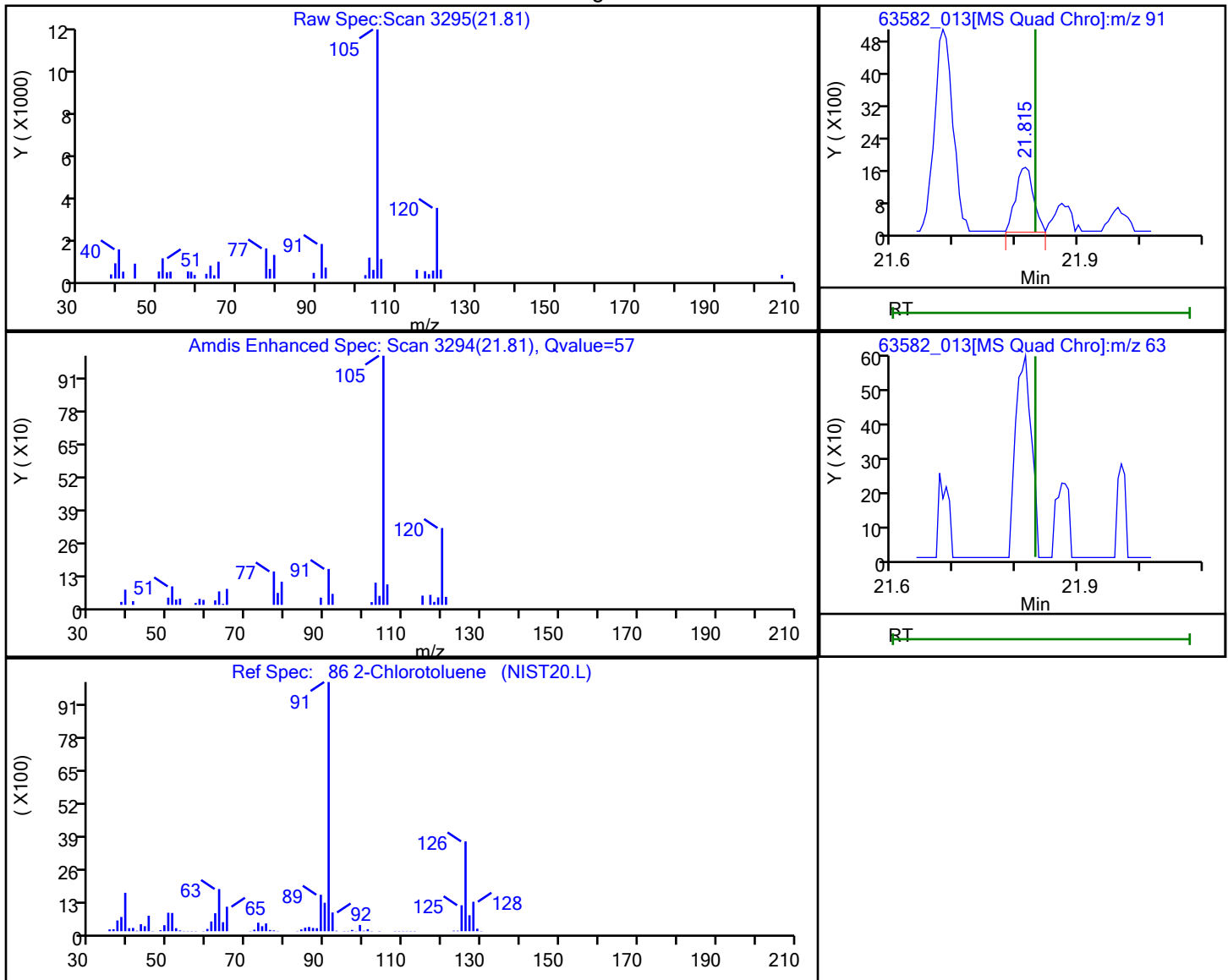
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

86 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.81	91.00	3133	0.021708
21.83	63.00	0	

Reviewer: YWL8, 06-Jan-2025 07:30:06 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_013.D

Injection Date: 04-Jan-2025 19:13:39

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DL

Lab Sample ID: 200-76392-5

Client ID: SV122024KT005

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_TO3_Master_Method_AM1

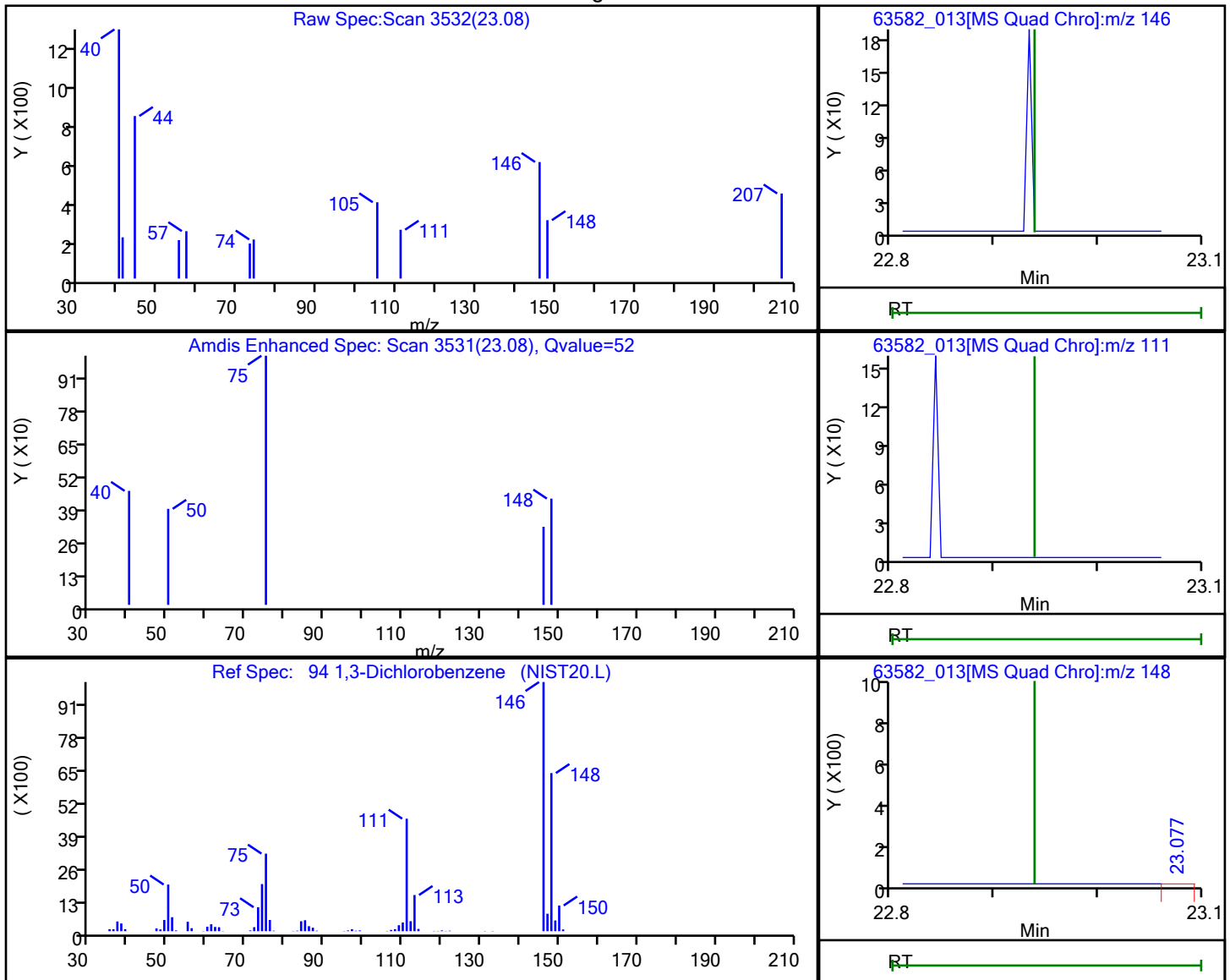
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

94 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
23.08	146.00	850	0.008977
22.94	111.00	0	
23.08	148.00	414	

Reviewer: YWL8, 06-Jan-2025 07:30:24 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT006</u>	Lab Sample ID: <u>200-76392-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_010.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:53</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 15:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.1	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.0	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	0.77	J	1.0	0.31
106-97-8	n-Butane	58.12	2.1		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		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.54	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
64-17-5	Ethanol	46.07	7.6	J	9.4	4.9
67-64-1	Acetone	58.08	8.1	J	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	2.0		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	1.8		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	0.47	J	1.1	0.24
110-82-7	Cyclohexane	84.16	0.55	J	0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT006</u>	Lab Sample ID: <u>200-76392-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_010.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:53</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 15:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.38		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.2		0.93	0.18
71-43-2	Benzene	78.11	7.8		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	2.1		0.82	0.23
79-01-6	Trichloroethene	131.39	2.0		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	12		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	170		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	1.3		0.87	0.30
179601-23-1	m,p-Xylene	106.17	4.5		2.2	0.41
95-47-6	o-Xylene	106.17	1.4		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	1.8		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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: SV122024KT006 Lab Sample ID: 200-76392-6
Matrix: Air Lab File ID: 63588_010.D
Analysis Method: TO-15 Date Collected: 12/20/2024 08:53
Sample wt/vol: 200 (mL) Date Analyzed: 01/06/2025 15:12
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.: 212564 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.97	J	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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT006</u>	Lab Sample ID: <u>200-76392-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_010.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:53</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 15:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.43	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.29	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	0.37	J	0.50	0.15
106-97-8	n-Butane	58.12	0.90		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		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.070	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
64-17-5	Ethanol	46.07	4.0	J	5.0	2.6
67-64-1	Acetone	58.08	3.4	J	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	0.57		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	0.36		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	0.086	J	0.20	0.044
110-82-7	Cyclohexane	84.16	0.16	J	0.20	0.058

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT006</u>	Lab Sample ID: <u>200-76392-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_010.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:53</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 15:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.061		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.25		0.20	0.038
71-43-2	Benzene	78.11	2.5		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	0.52		0.20	0.055
79-01-6	Trichloroethene	131.39	0.37		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	3.1		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	24		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	0.31		0.20	0.069
179601-23-1	m,p-Xylene	106.17	1.0		0.50	0.095
95-47-6	o-Xylene	106.17	0.33		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	0.36		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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT006</u>	Lab Sample ID: <u>200-76392-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_010.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:53</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 15:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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	J	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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D
 Lims ID: 200-76392-A-6
 Client ID: SV122024KT006
 Sample Type: Client
 Inject. Date: 06-Jan-2025 15:12:24 ALS Bottle#: 8 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063588-010
 Misc. Info.: 76392-6
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 07-Jan-2025 11:26:20 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1672

First Level Reviewer: YWL8

Date: 07-Jan-2025 11:26:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.444	4.449	-0.005	98	57721	0.4258	
3 Chlorodifluoromethane	51	4.492	4.492	0.000	97	30683	0.2883	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.808	4.808	-0.005	1	1954	0.0134	7M
5 Chloromethane	50	4.925	4.931	-0.006	99	24088	0.3739	
6 Vinyl chloride	62		5.225				ND	
7 Butane	43	5.225	5.230	-0.005	99	89098	0.9032	
8 Butadiene	54		5.337				ND	MU
9 Bromomethane	94		6.065				ND	
10 Chloroethane	64		6.332				ND	
13 Vinyl bromide	106		6.750				ND	
14 Trichlorofluoromethane	101	6.926	6.921	0.005	97	23019	0.1954	
16 Ethanol	45	7.285	7.269	0.016	97	126490	4.01	
20 1,1-Dichloroethene	96		7.969				ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.012	8.012	0.000	62	6941	0.0703	
22 Acetone	43	8.039	8.028	0.011	100	347763	3.42	
23 Isopropyl alcohol	45	8.338	8.317	0.021	100	122077	1.20	
24 Carbon disulfide	76	8.376	8.376	0.000	100	10305	0.0663	
26 3-Chloro-1-propene	41		8.659				ND	MU
27 Methylene Chloride	49	8.890	8.884	0.006	94	8791	0.1161	
28 2-Methyl-2-propanol	59	9.104	9.082	0.022	99	16029	0.1335	
30 trans-1,2-Dichloroethene	61		9.387				ND	
31 Methyl tert-butyl ether	73		9.392				ND	
32 Hexane	57	9.911	9.906	0.005	93	54963	0.5749	
33 1,1-Dichloroethane	63		10.147				ND	
36 2-Butanone (MEK)	72	11.120	11.099	0.021	99	7299	0.2547	
37 cis-1,2-Dichloroethene	96		11.136				ND	7
* 39 Chlorobromomethane	128	11.548	11.543	0.005	91	370793	10.0	
40 Tetrahydrofuran	42		11.586				ND	7
41 Chloroform	83	11.725	11.720	0.005	95	41290	0.3616	
42 1,1,1-Trichloroethane	97	12.046	12.040	0.011	94	9452	0.0864	
43 Cyclohexane	84	12.190	12.190	0.005	91	11475	0.1610	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.319	12.319	0.000	96	6298	0.0611	
45 Benzene	78	12.661	12.656	0.005	98	430403	2.45	
46 1,2-Dichloroethane	62		12.720				ND	
47 Isooctane	57	12.886	12.886	0.000	97	79373	0.2520	
48 n-Heptane	43	13.196	13.191	0.005	97	69317	0.5240	
* 49 1,4-Difluorobenzene	114	13.389	13.383	0.006	98	1868869	10.0	
51 Trichloroethene	95	13.822	13.828	0.000	88	27179	0.3746	
53 1,2-Dichloropropane	63		14.271				ND	
54 Methyl methacrylate	69		14.357				ND	MU
55 1,4-Dioxane	88		14.394				ND	7
58 Dichlorobromomethane	83		14.731				ND	
59 cis-1,3-Dichloropropene	75		15.534				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.796				ND	7
62 Toluene	92	16.187	16.181	0.006	92	367180	3.11	
66 trans-1,3-Dichloropropene	75		16.583				ND	
67 1,1,2-Trichloroethane	83		16.957				ND	MU
68 Tetrachloroethene	166	17.182	17.171	0.000	88	1867216	24.5	
69 2-Hexanone	43	17.380	17.380	0.011	76	11427	0.0724	7M
70 Chlorodibromomethane	129		17.695				ND	
71 Ethylene Dibromide	107		17.936				ND	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	95	1656582	10.0	
74 Chlorobenzene	112		18.915				ND	7
75 Ethylbenzene	91	19.113	19.108	0.005	99	81385	0.3079	
76 m-Xylene & p-Xylene	106	19.364	19.370	-0.006	0	98248	1.04	
78 o-Xylene	106	20.151	20.146	0.011	97	30500	0.3311	
79 Styrene	104	20.172	20.172	0.000	83	4473	0.0300	
81 Bromoform	173		20.509				ND	
82 Isopropylbenzene	105	20.830	20.830	0.000	96	99385	0.3570	
83 1,1,2,2-Tetrachloroethane	83		21.328				ND	7
85 N-Propylbenzene	91	21.542	21.542	0.000	96	10652	0.0298	
86 2-Chlorotoluene	91		21.686				ND	
87 4-Ethyltoluene	105	21.740	21.740	0.000	97	10490	0.0395	
88 1,3,5-Trimethylbenzene	105	21.836	21.831	0.005	88	7294	0.0324	
91 tert-Butylbenzene	119		22.312				ND	
92 1,2,4-Trimethylbenzene	105	22.392	22.398	-0.006	75	44934	0.1977	
93 sec-Butylbenzene	105		22.638				ND	
94 1,3-Dichlorobenzene	146		22.804				ND	7
95 4-Isopropyltoluene	119	22.852	22.852	0.005	33	2893	0.0106	M
96 1,4-Dichlorobenzene	146		22.943				ND	7
97 Benzyl chloride	91		23.088				ND	7
98 n-Butylbenzene	91		23.403				ND	7
99 1,2-Dichlorobenzene	146		23.436				ND	
102 1,2,4-Trichlorobenzene	180		25.880				ND	
103 Hexachlorobutadiene	225		26.137				ND	
104 Naphthalene	128	26.357	26.362	0.000	98	3865	0.0185	

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Worklist Smp#: 10

Client ID: SV122024KT006

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

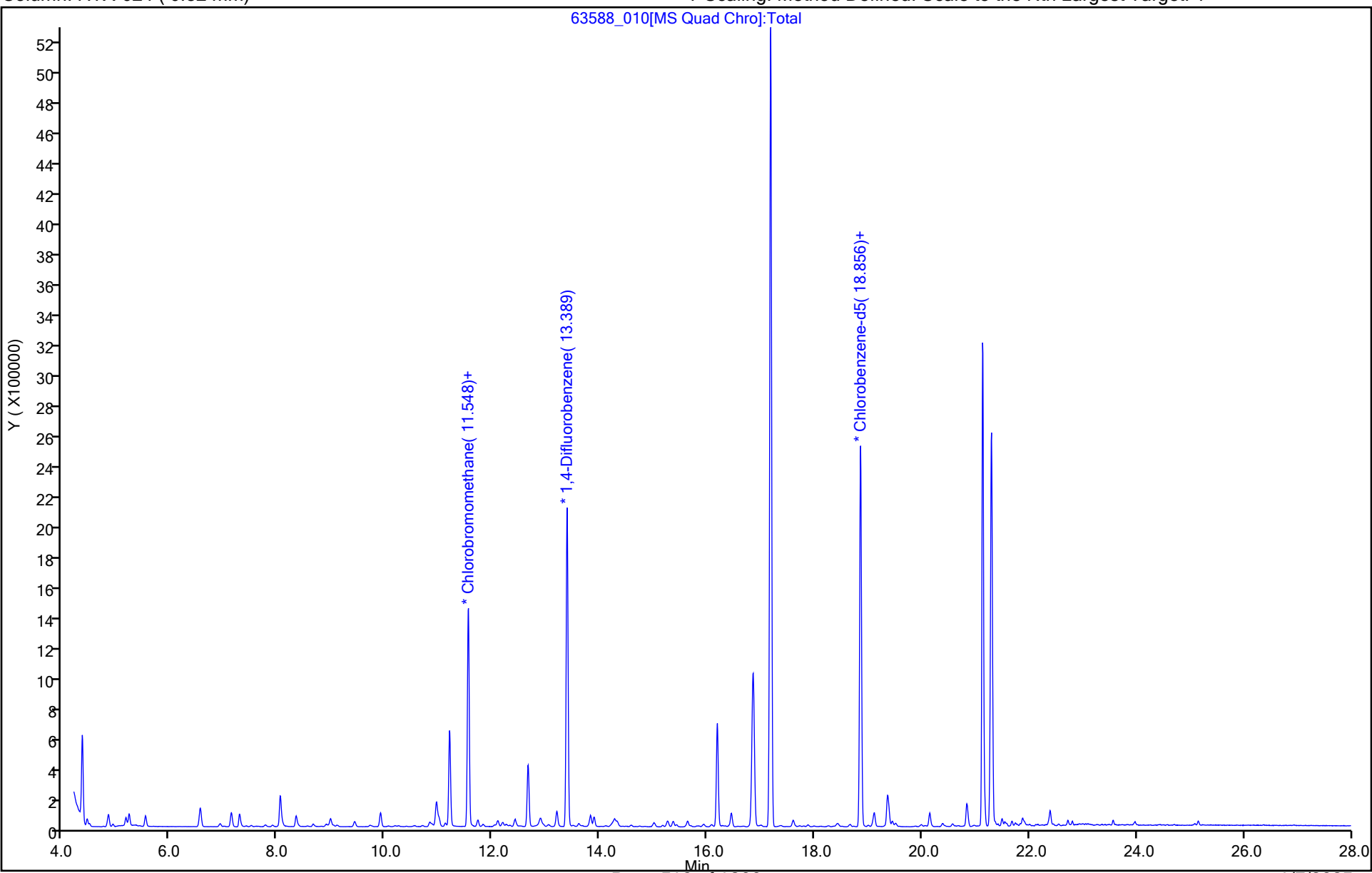
ALS Bottle#: 8

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\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

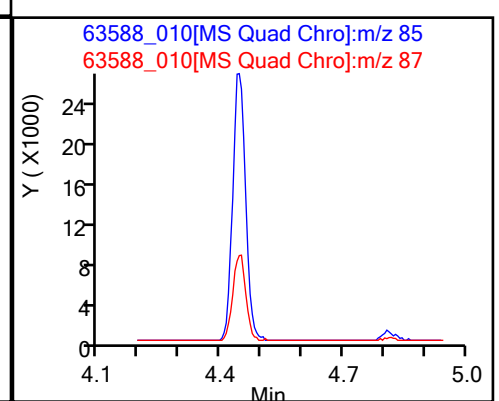
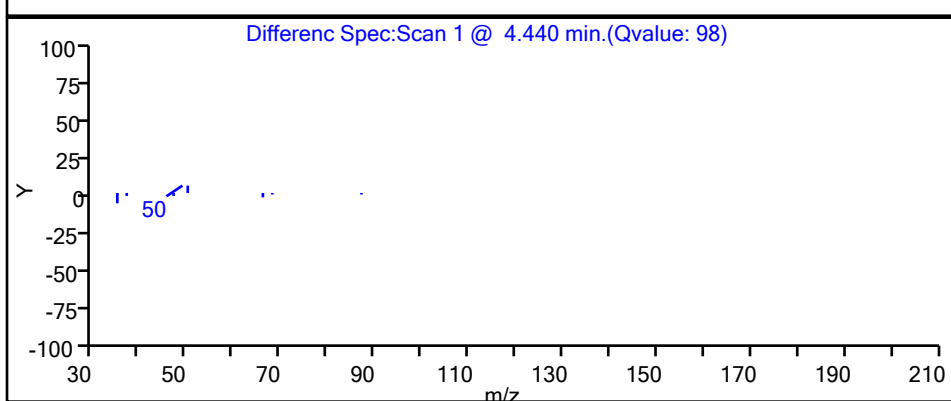
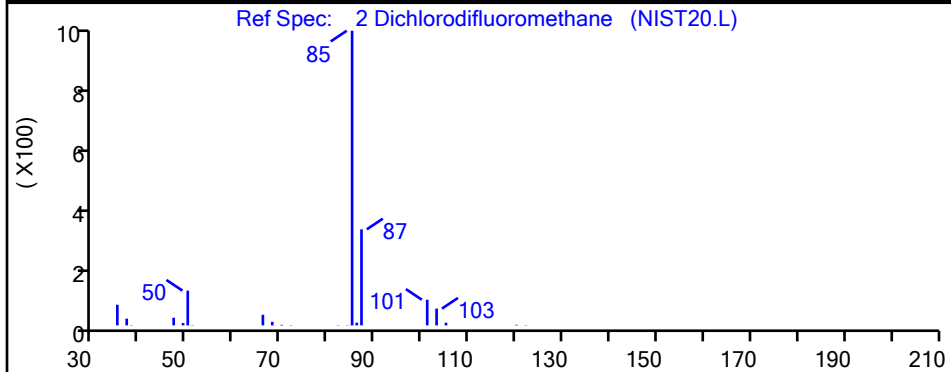
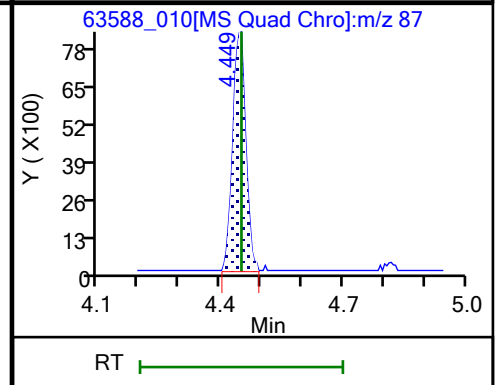
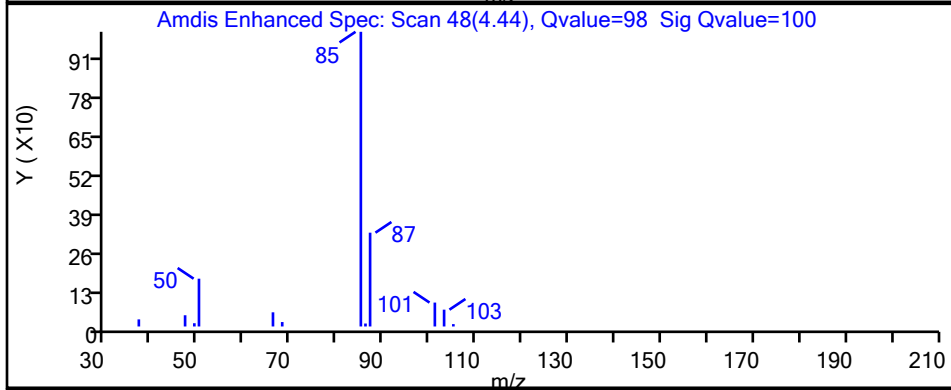
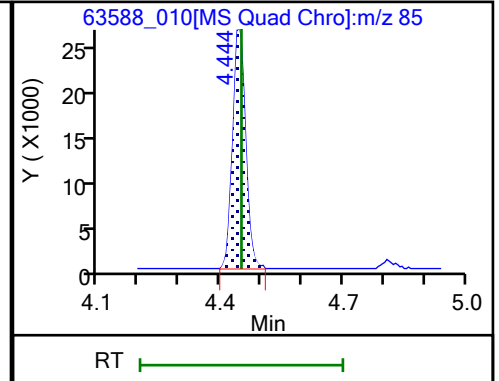
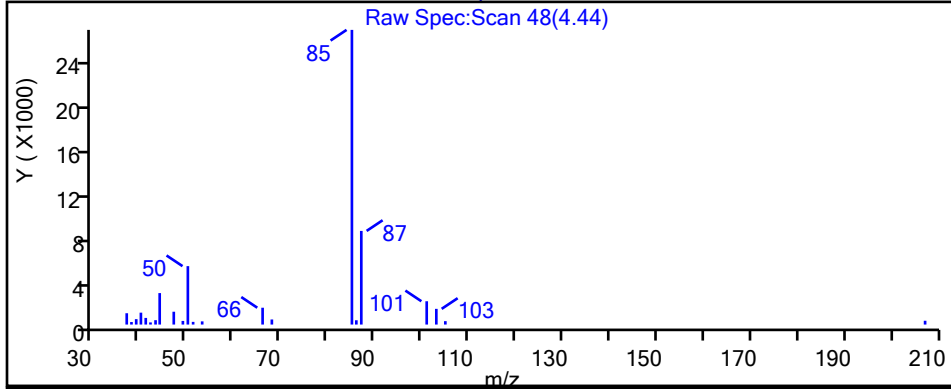
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

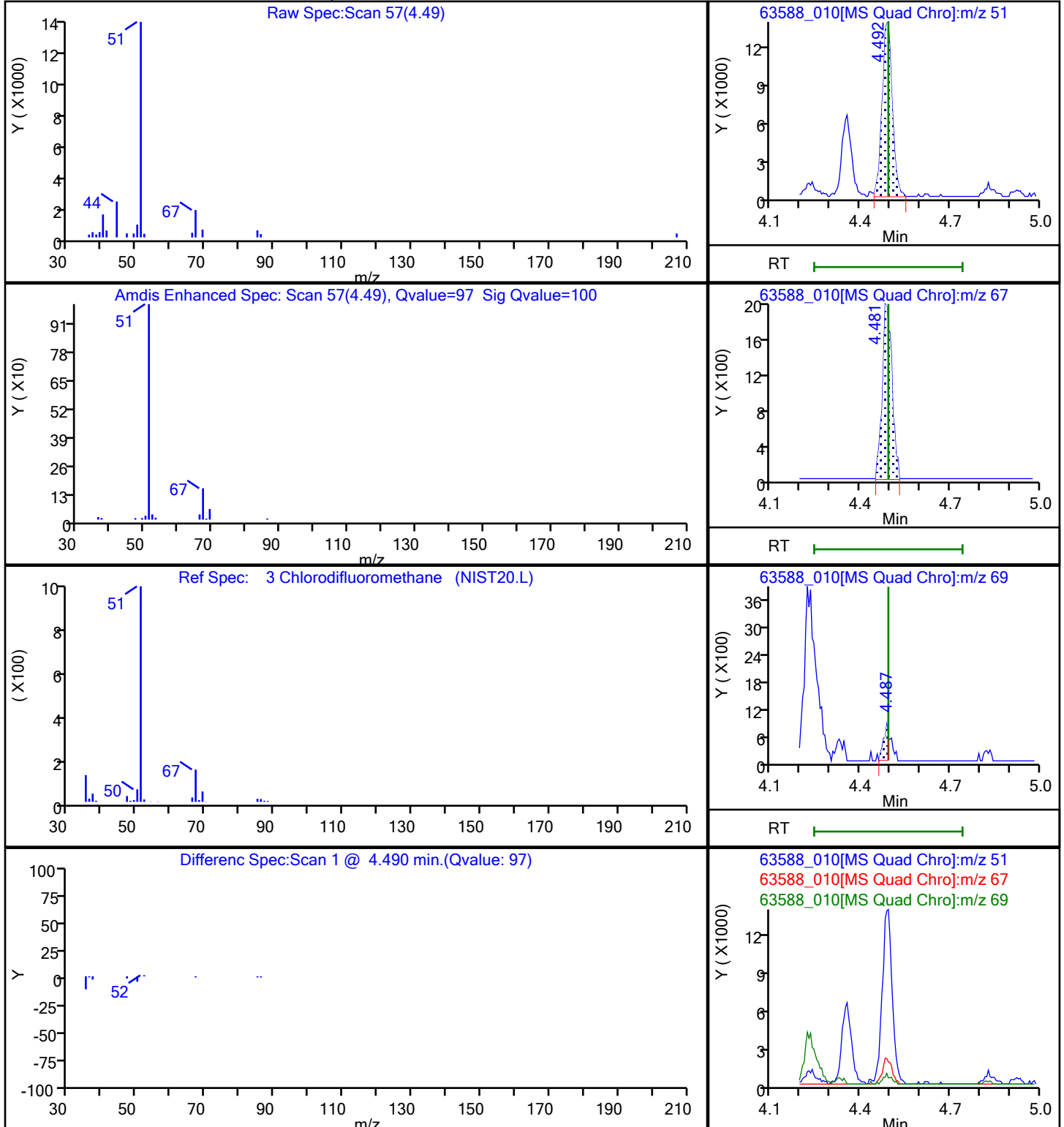
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

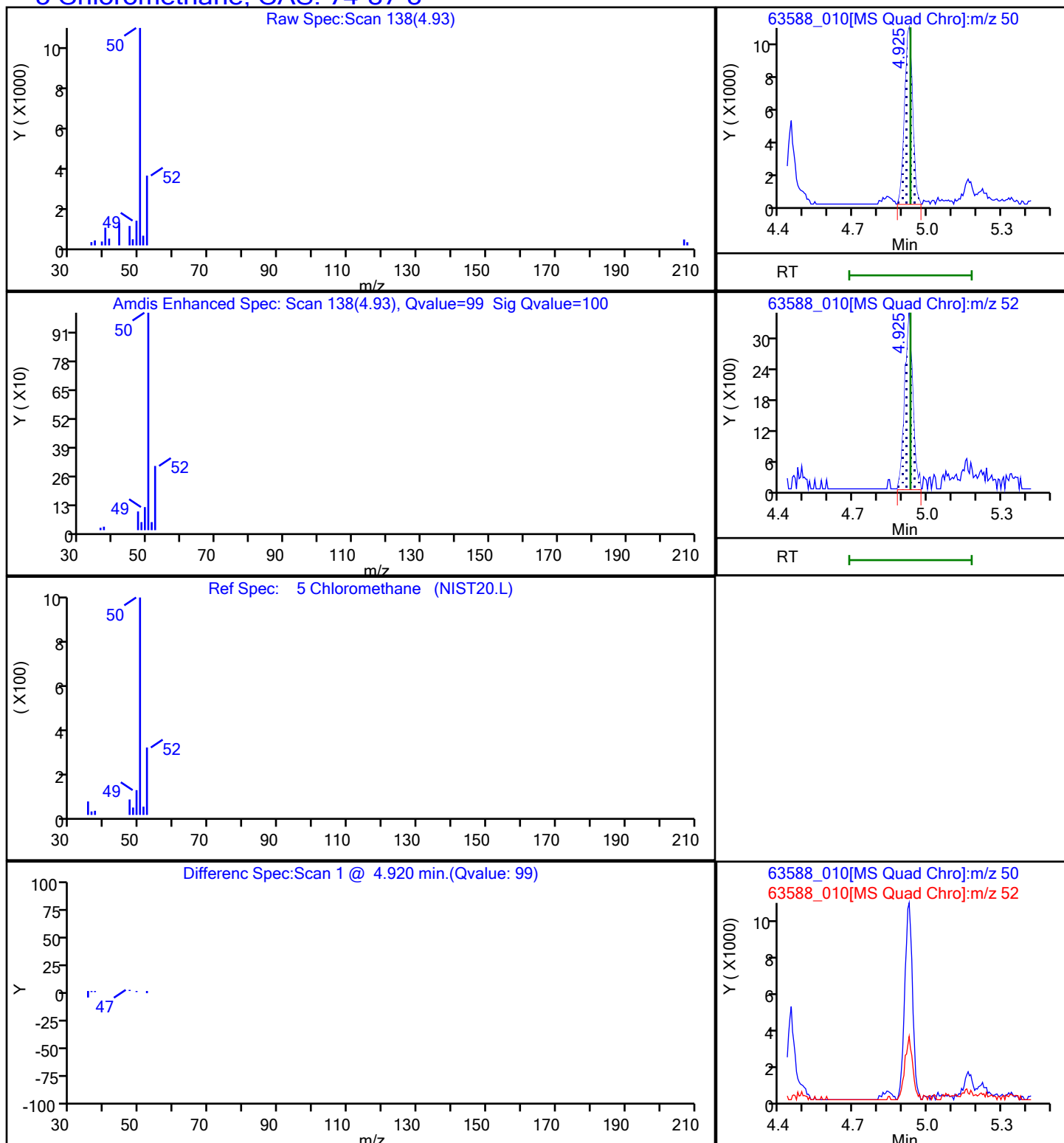
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

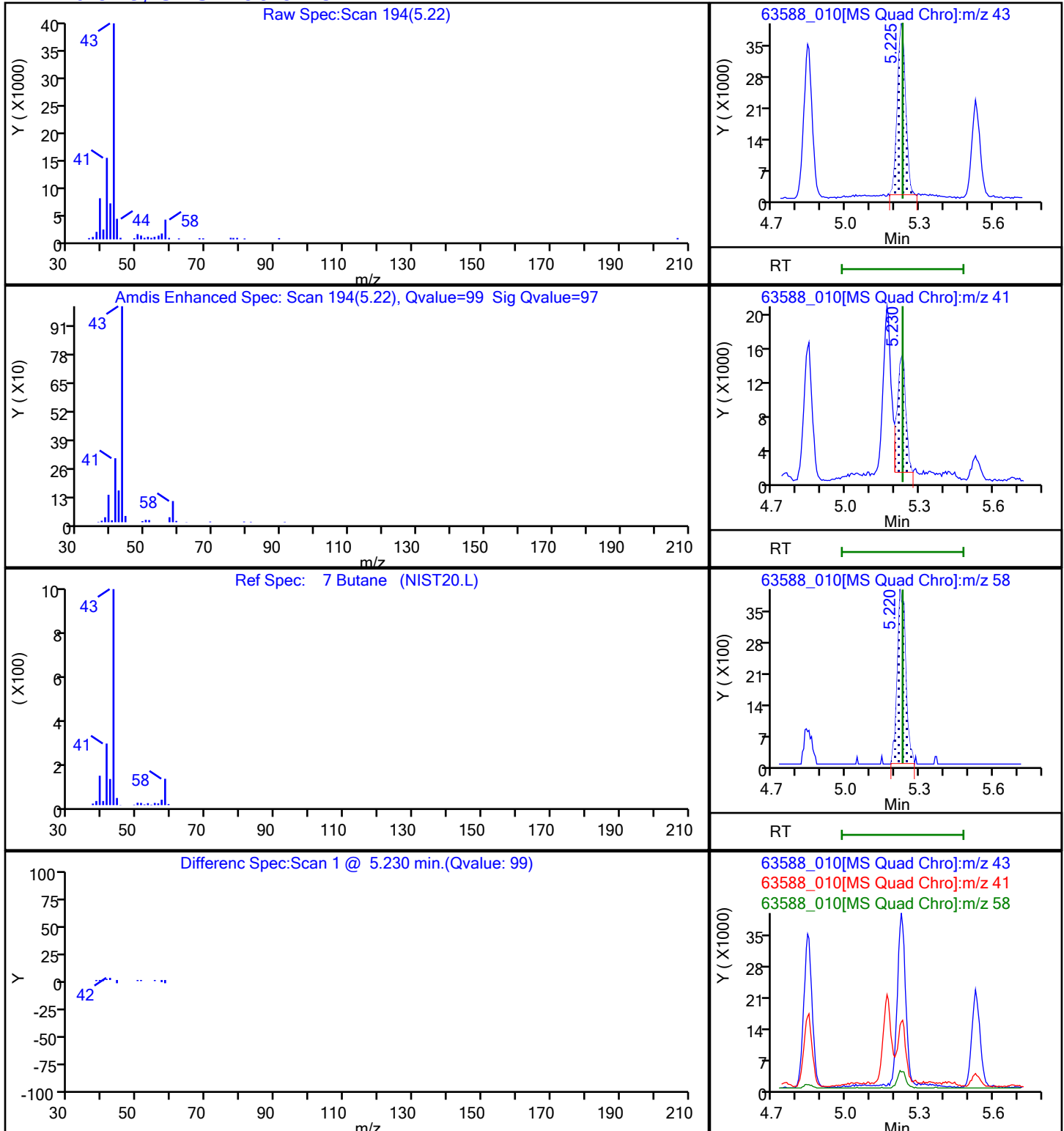
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

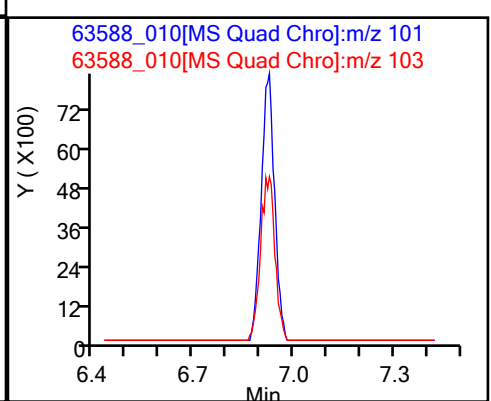
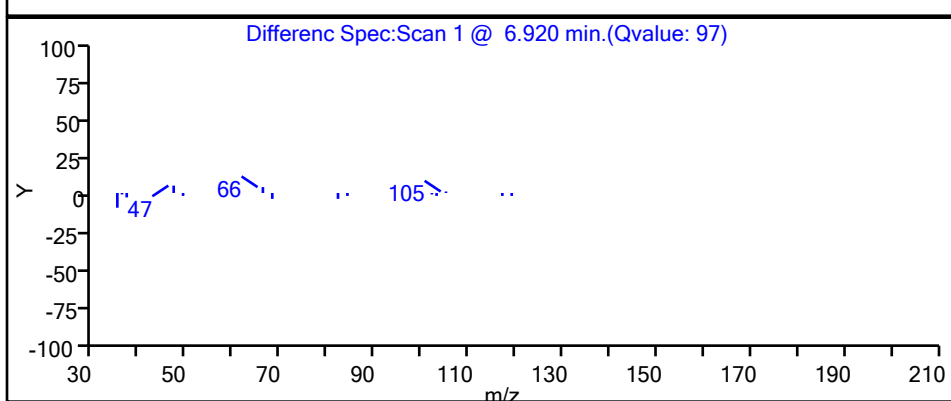
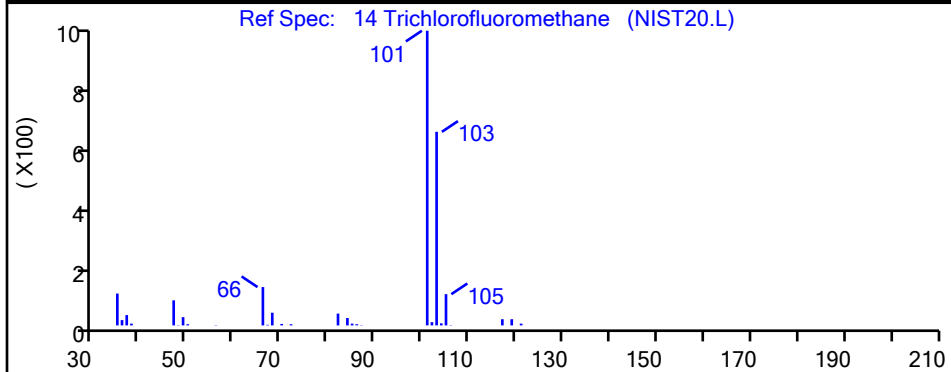
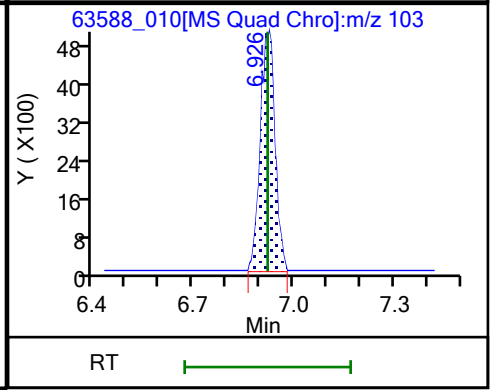
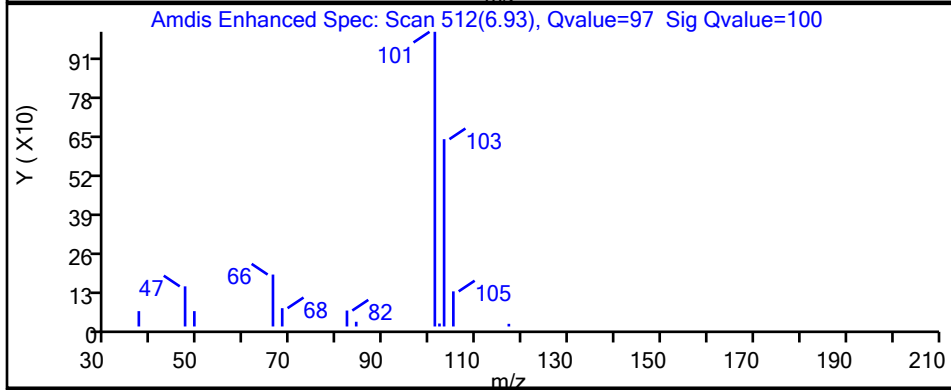
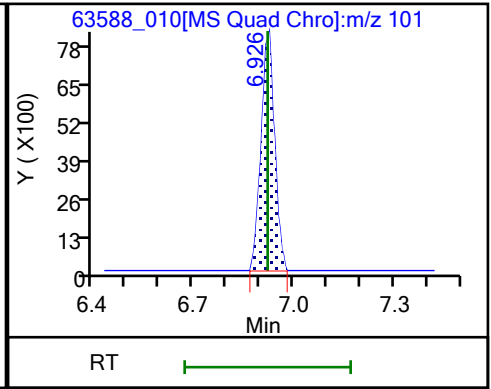
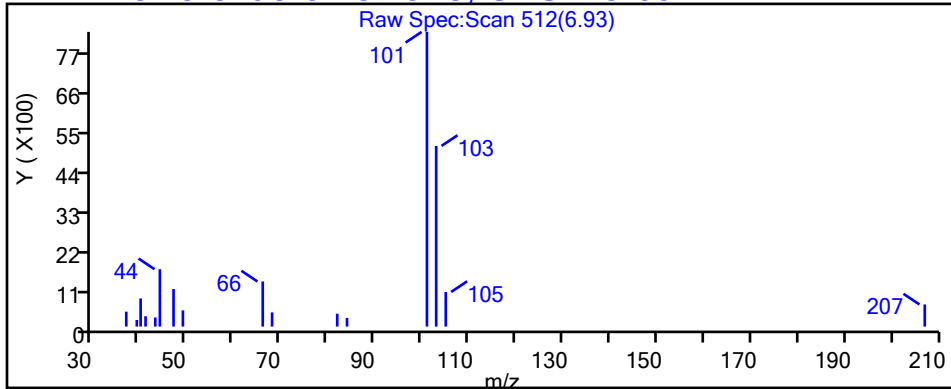
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

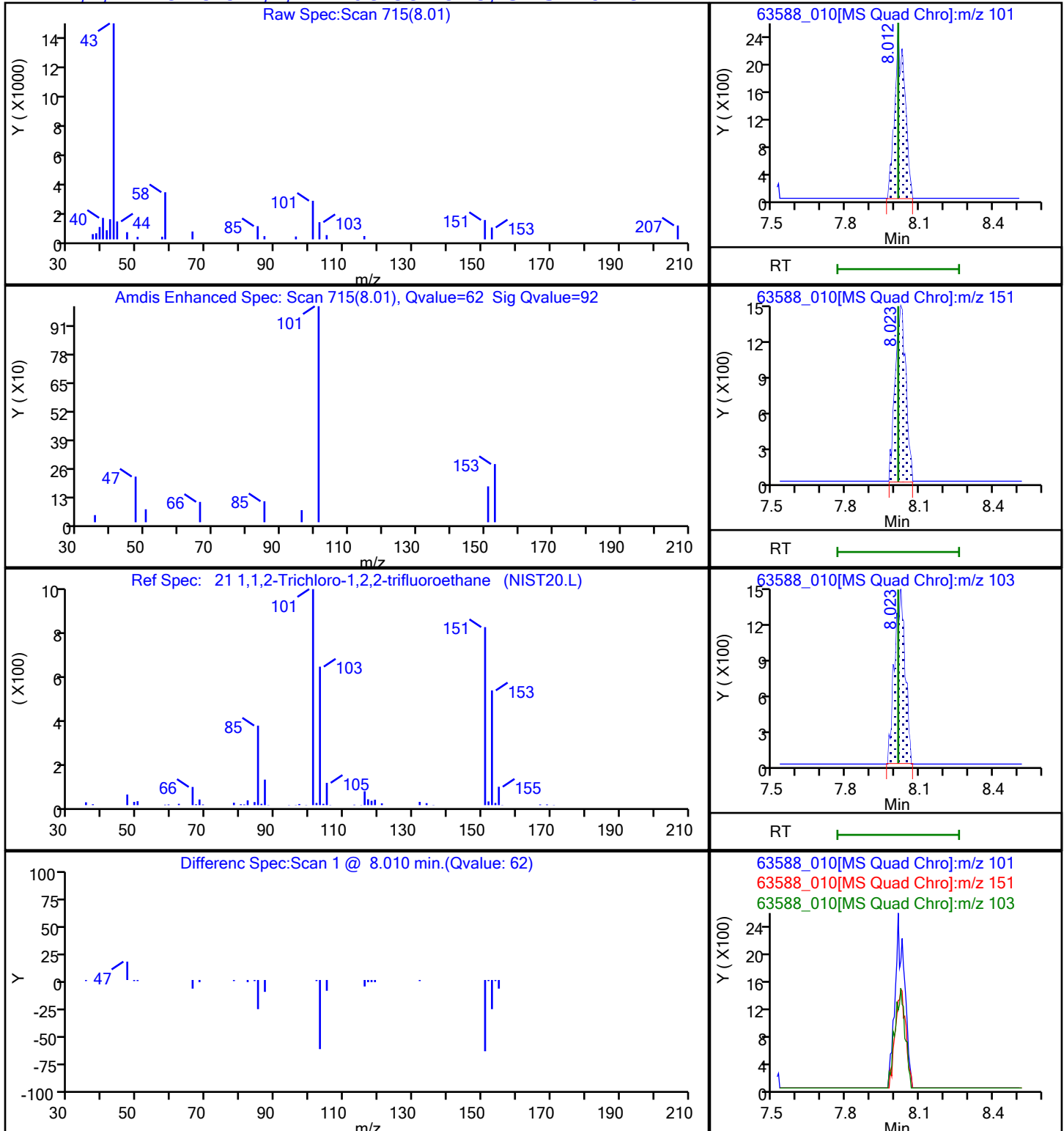
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

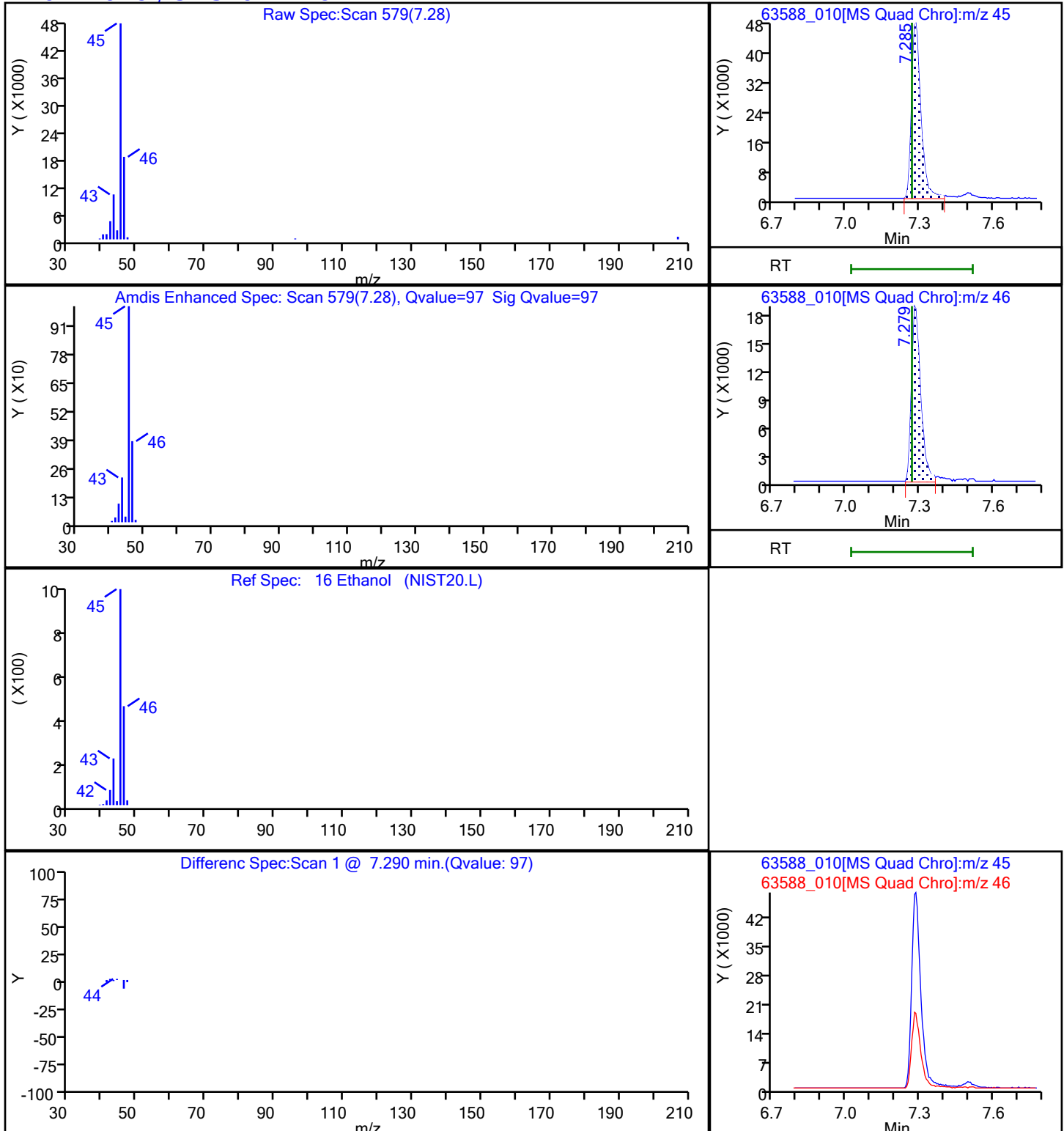
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Ethanol, CAS: 64-17-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

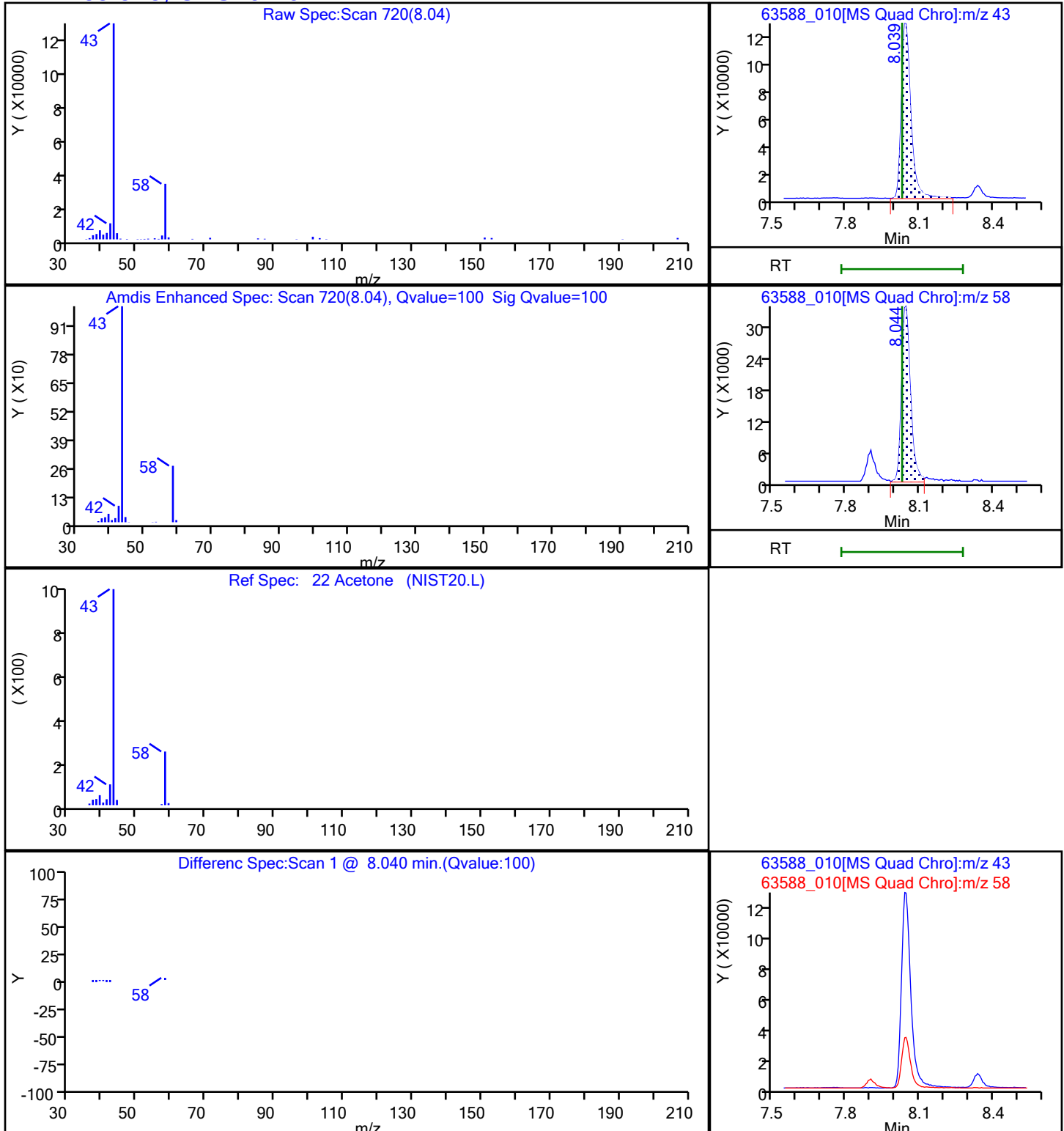
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

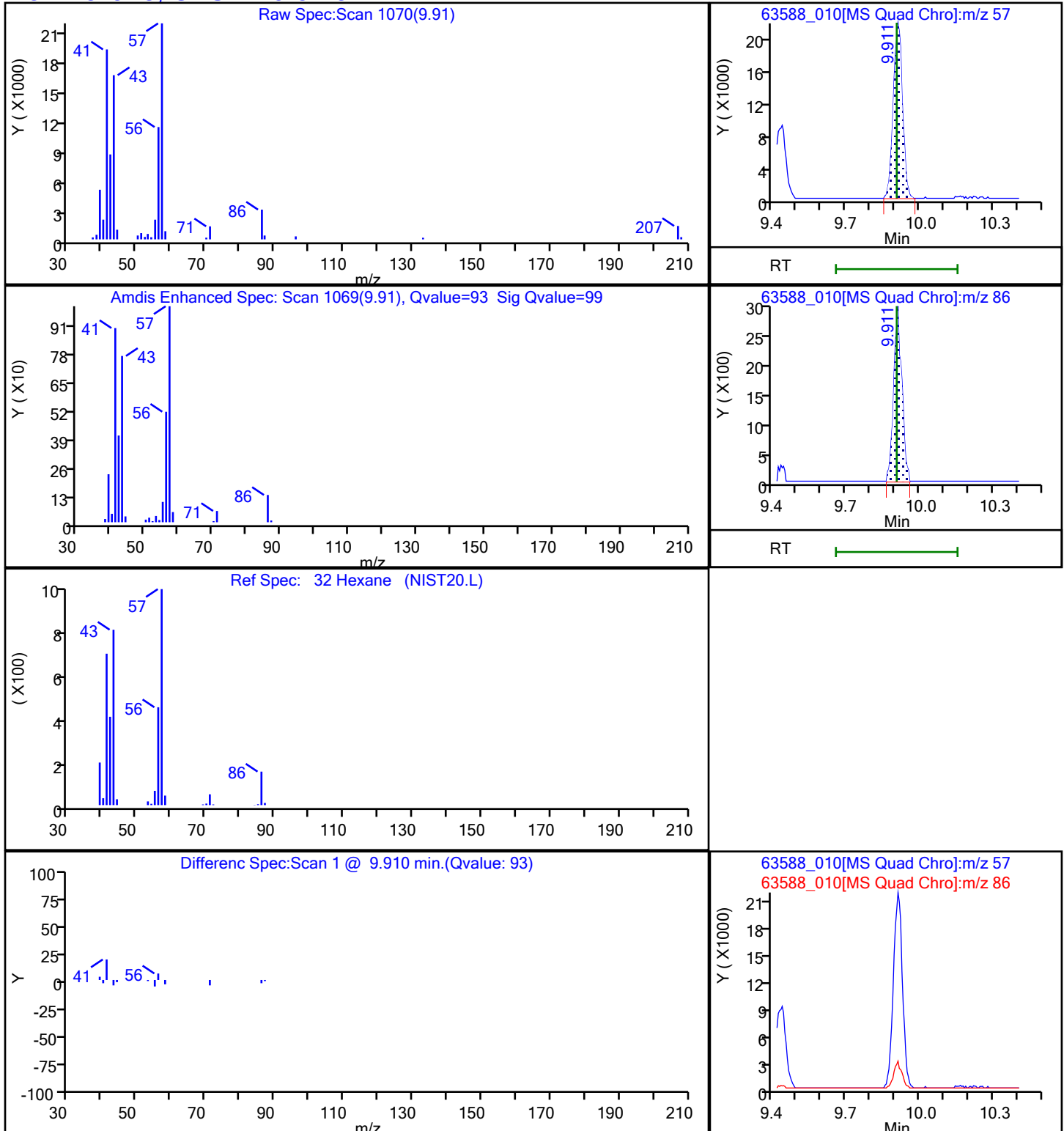
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

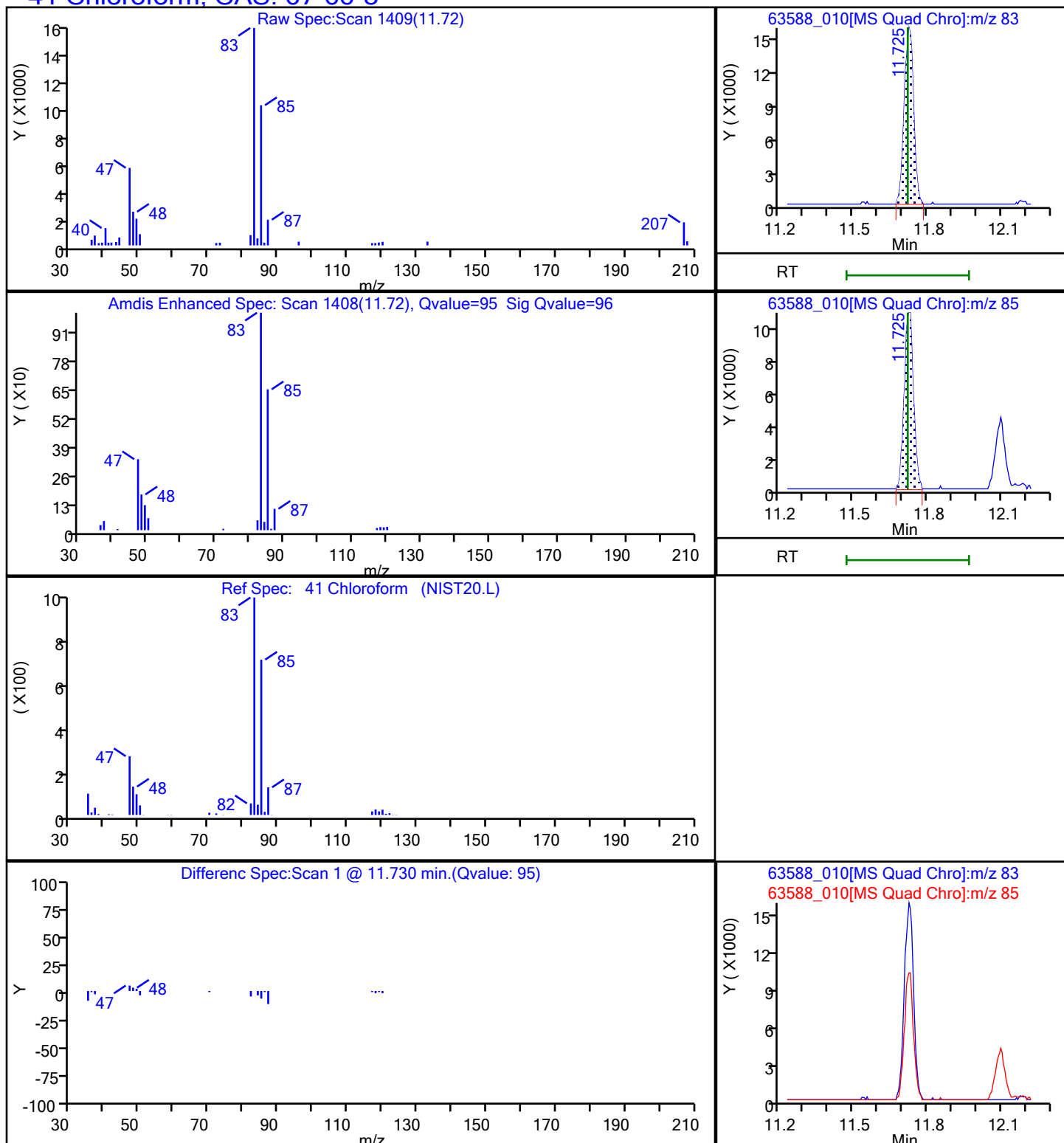
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

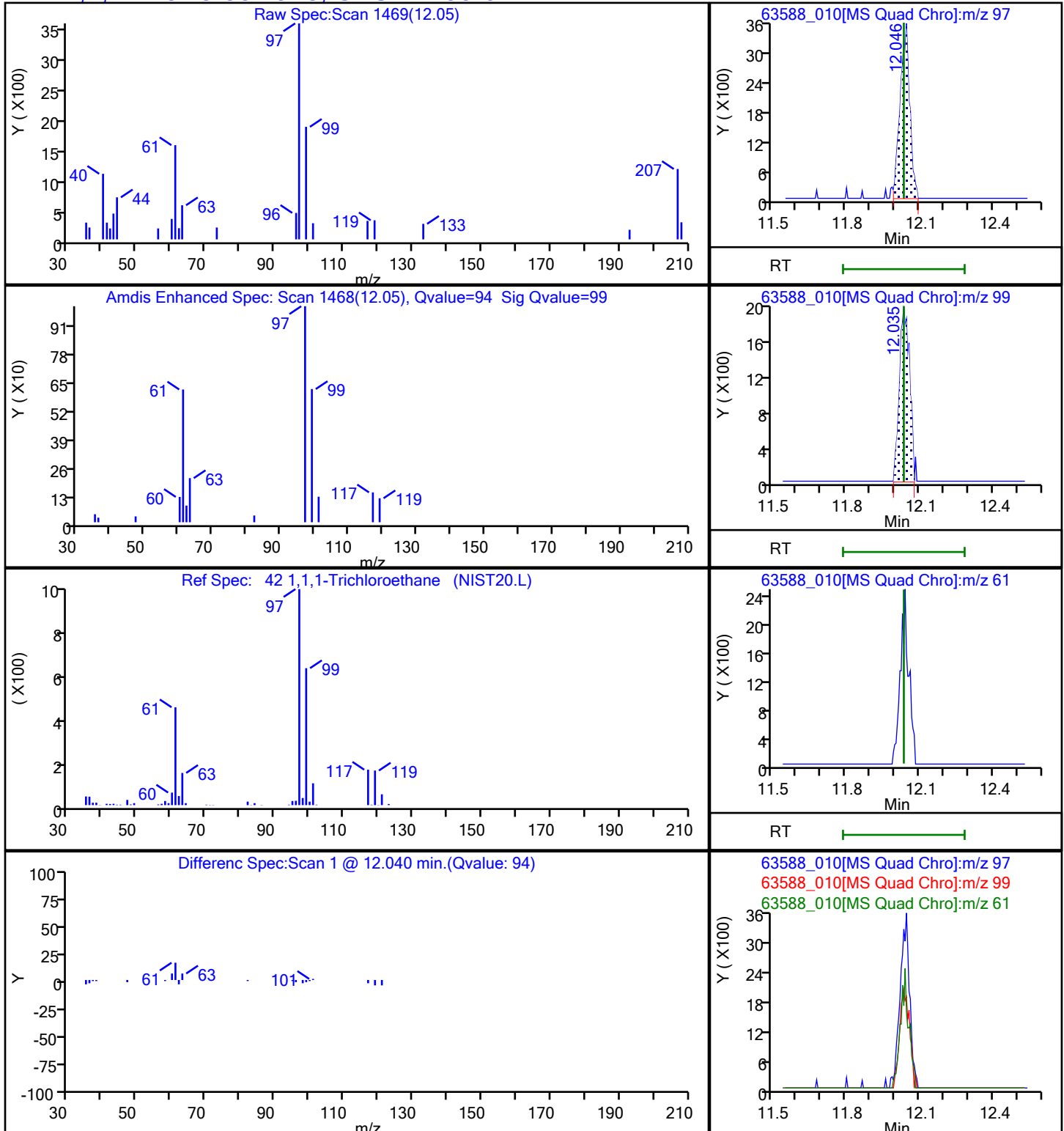
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

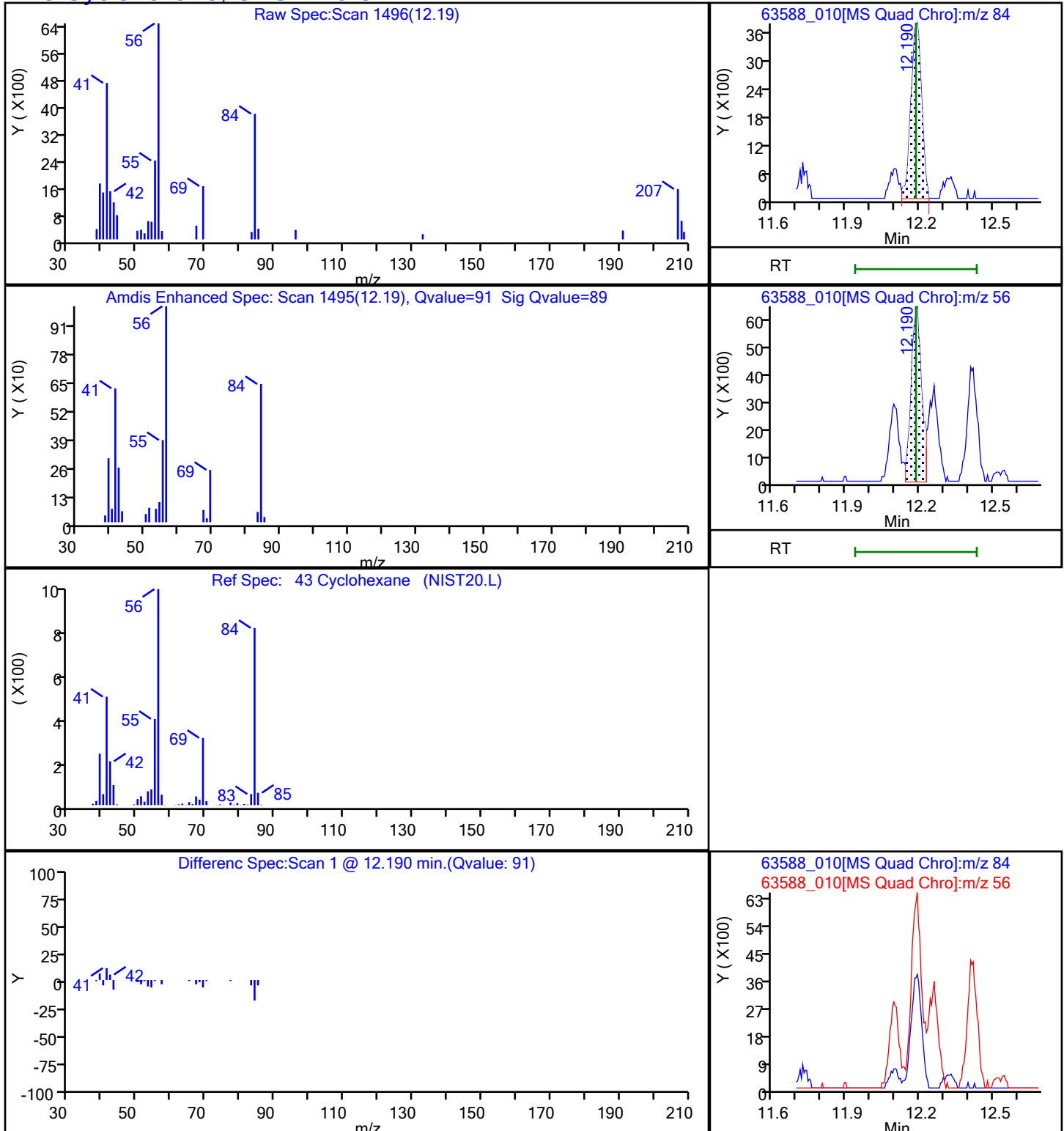
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

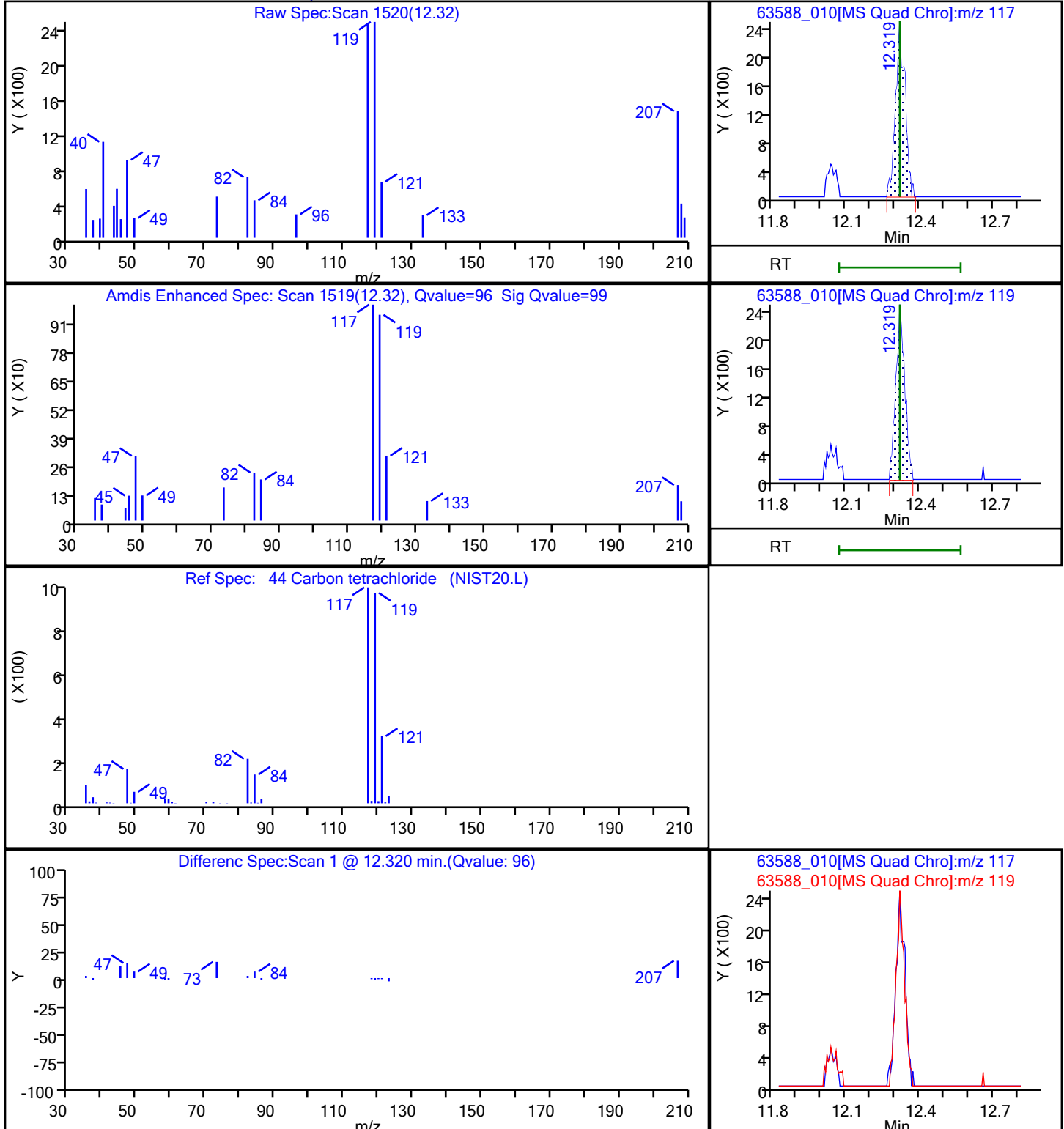
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Carbon tetrachloride, CAS: 56-23-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

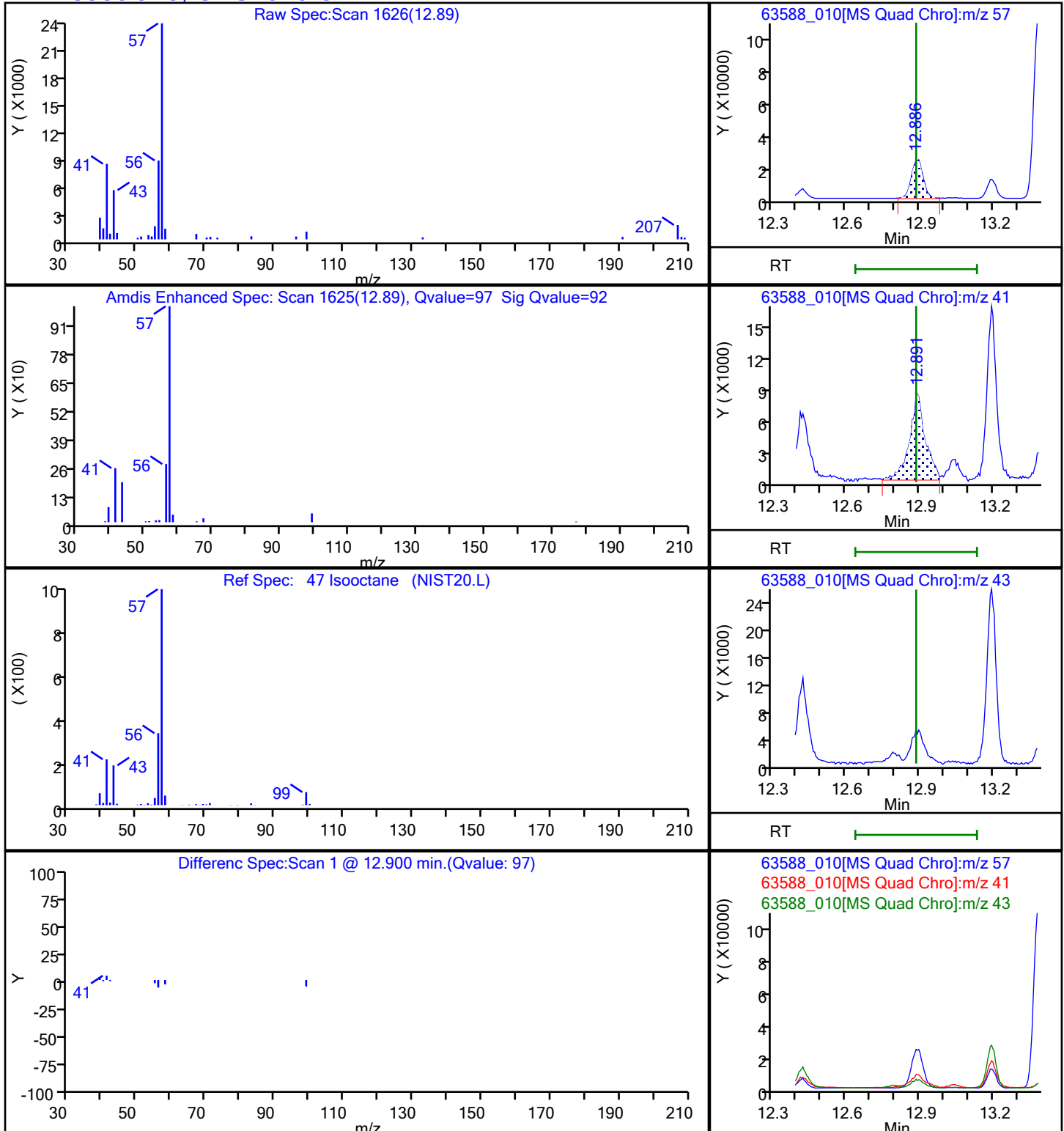
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

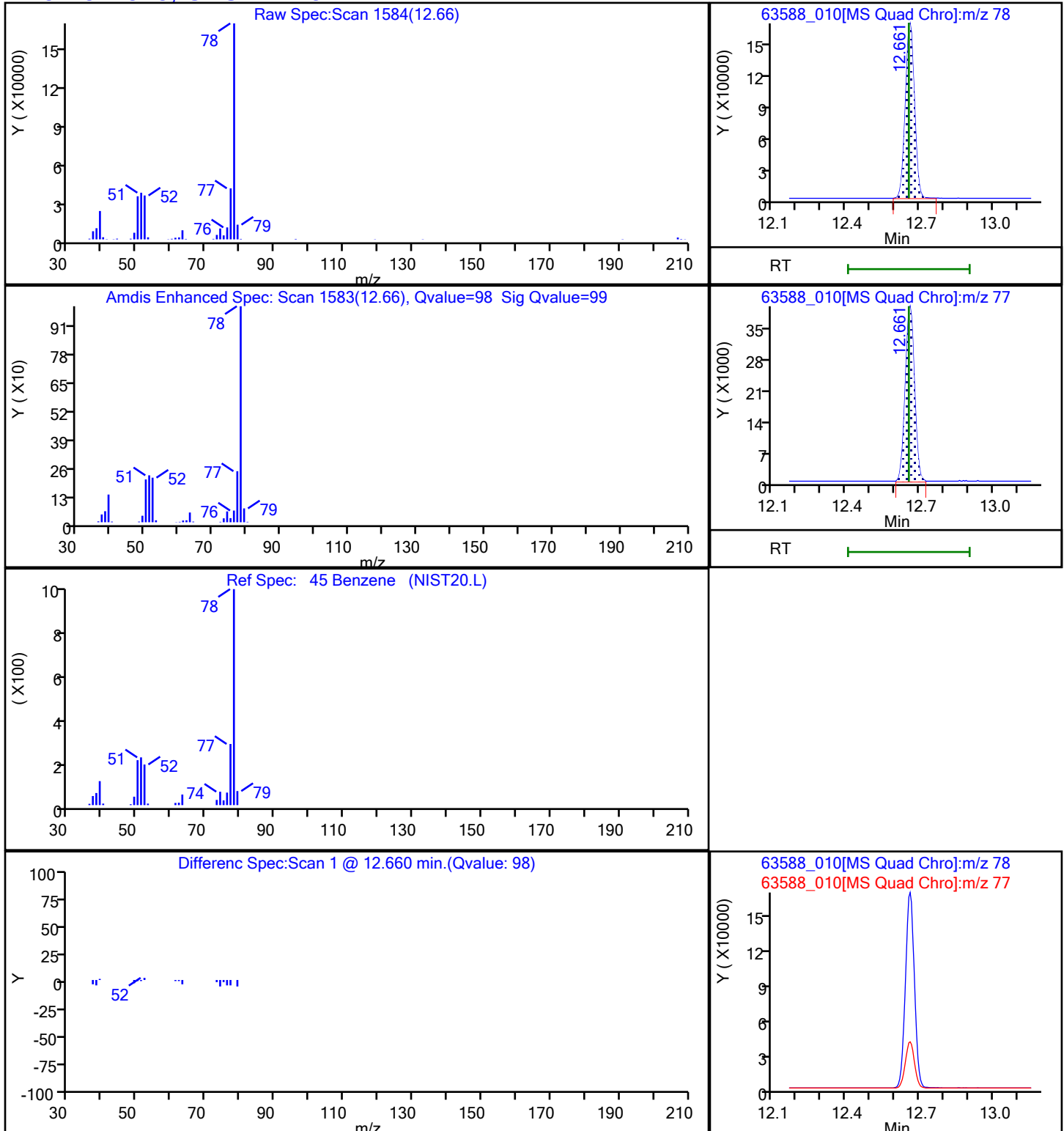
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

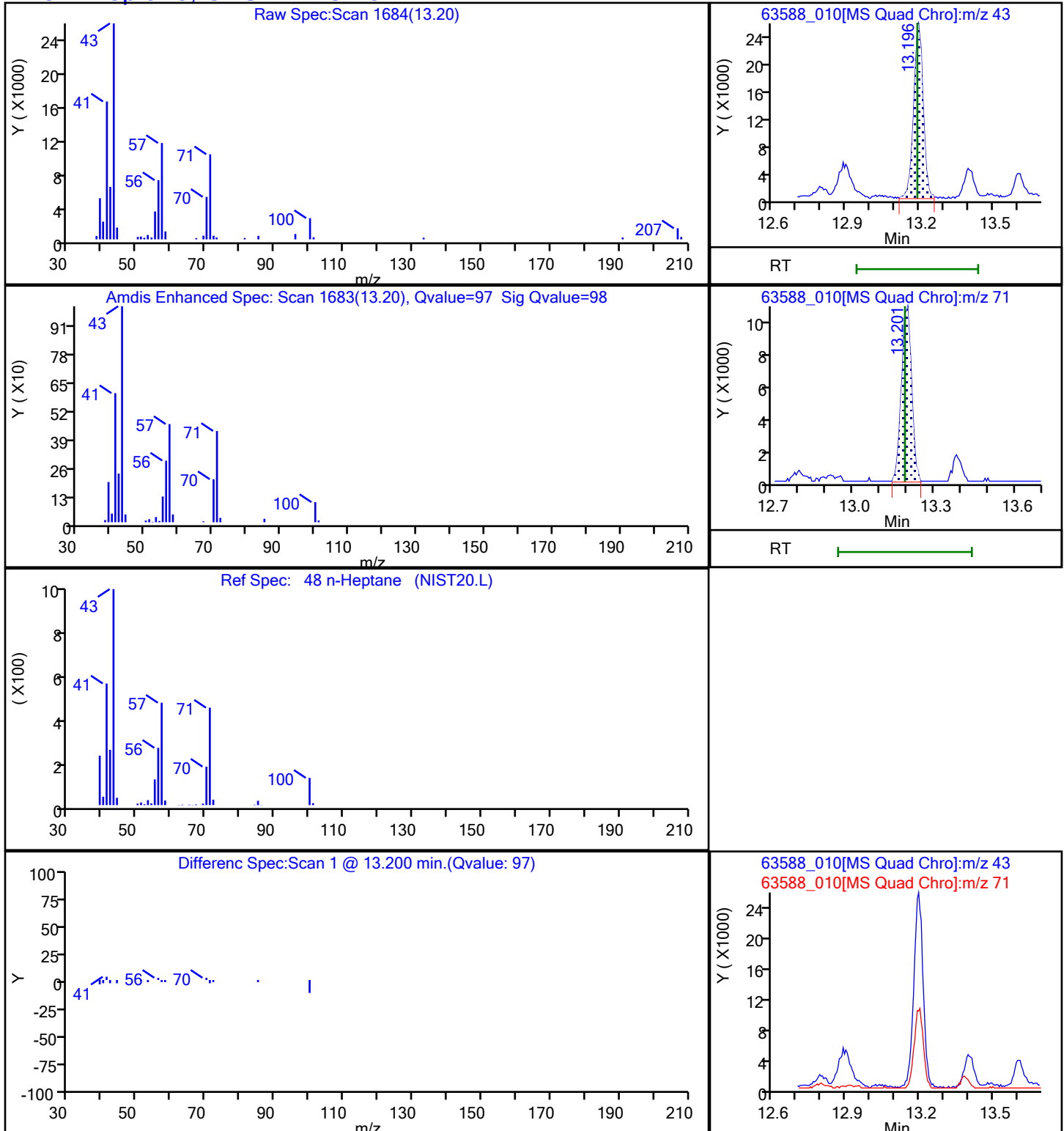
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

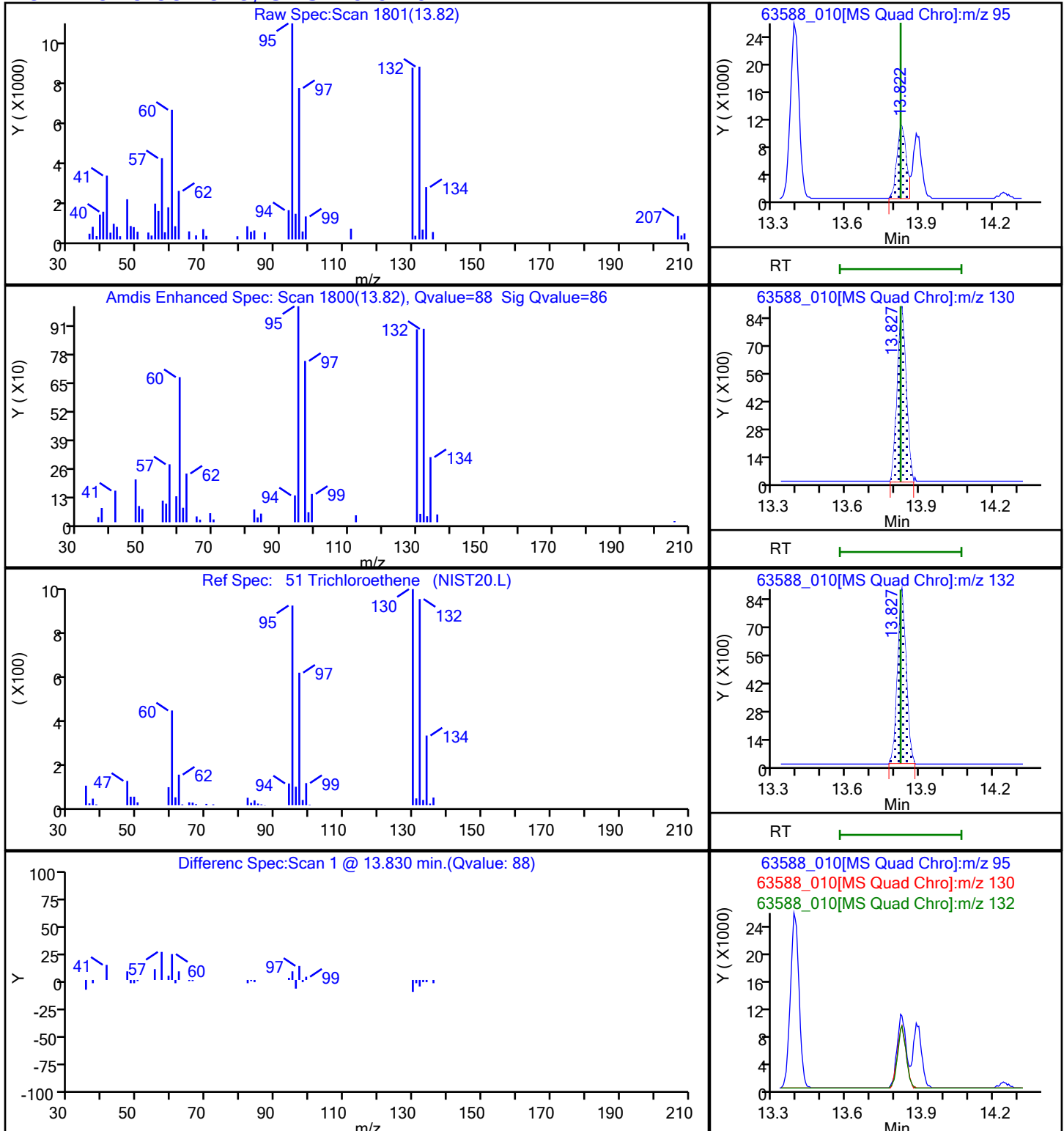
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

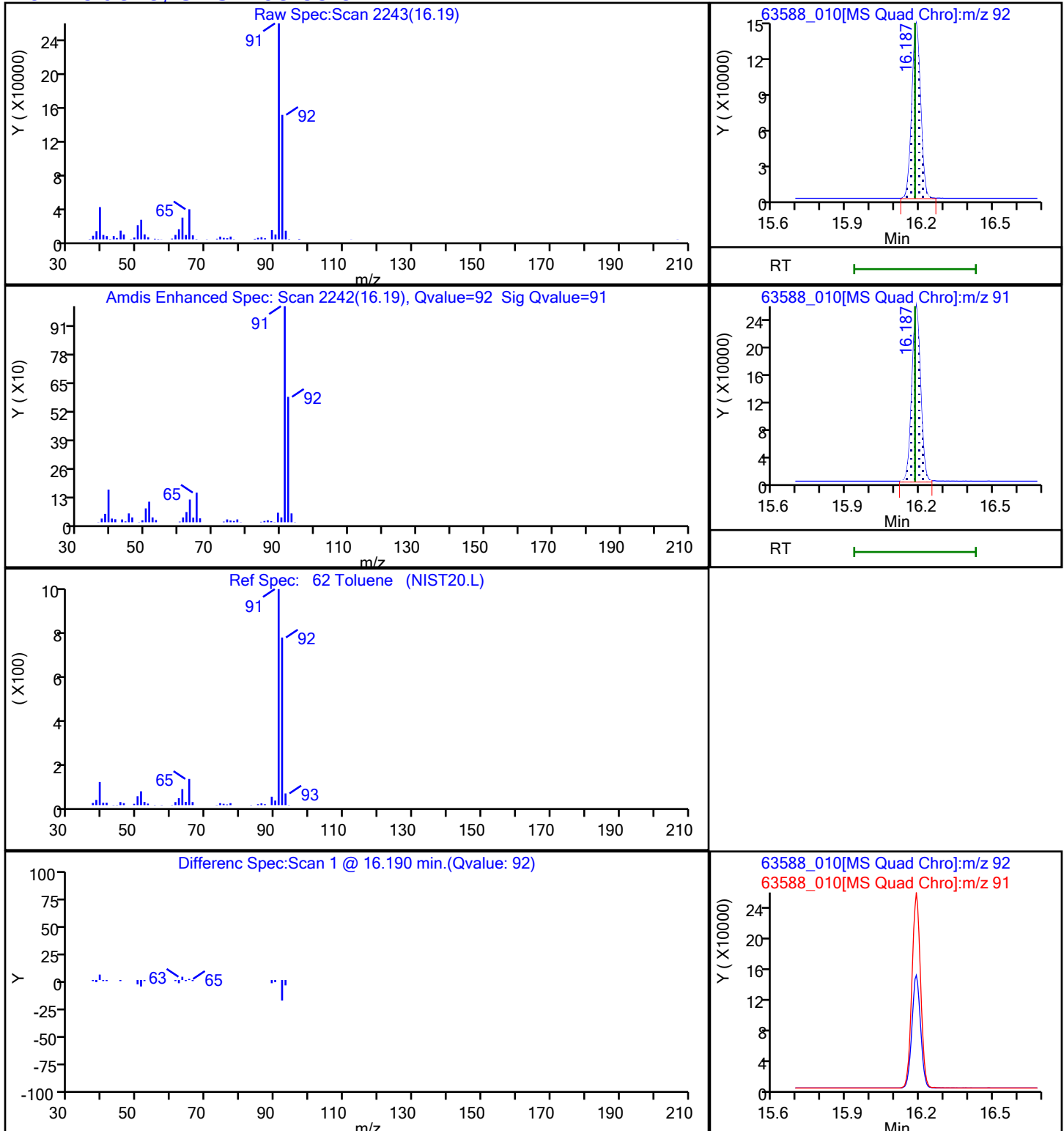
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

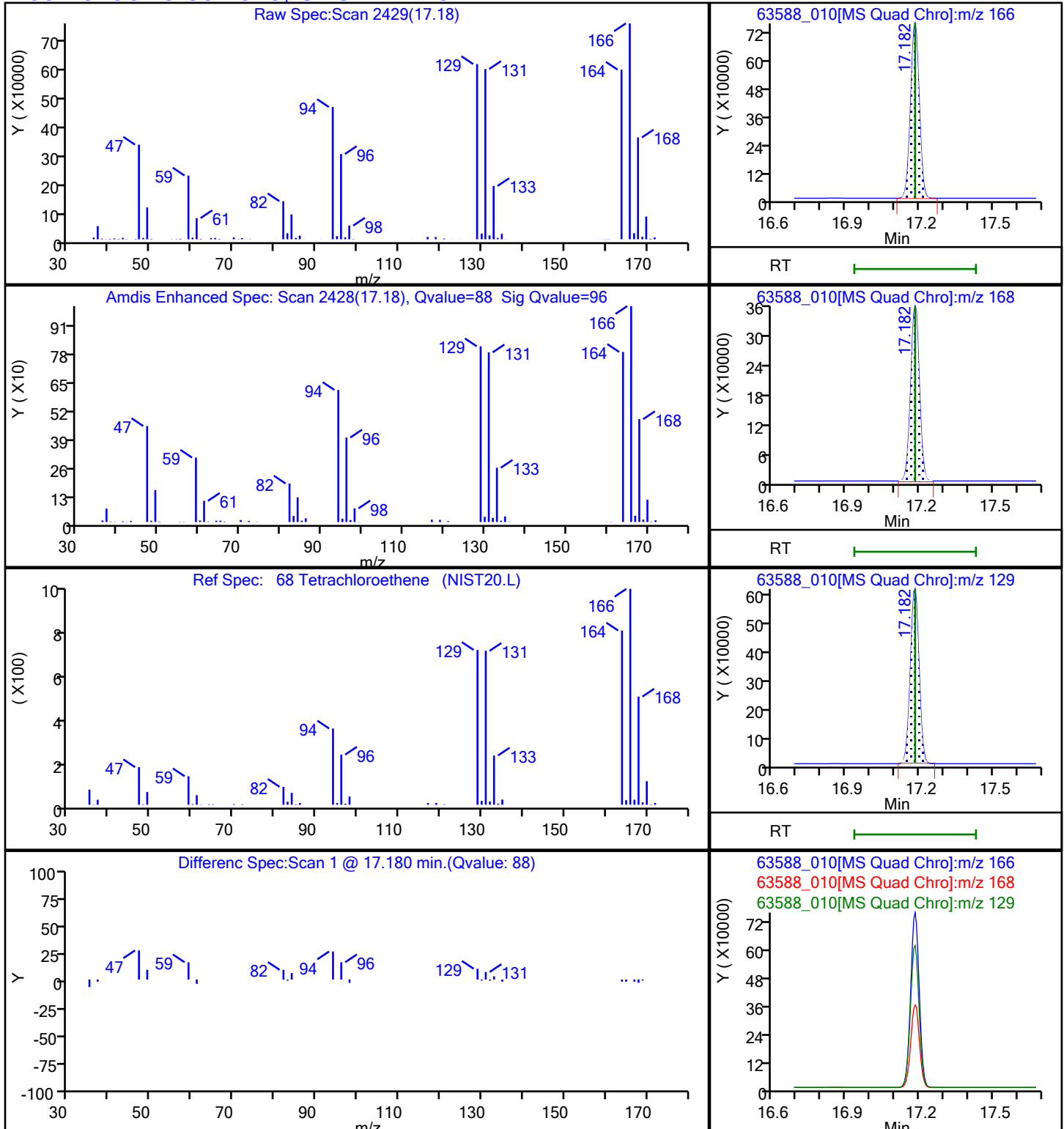
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

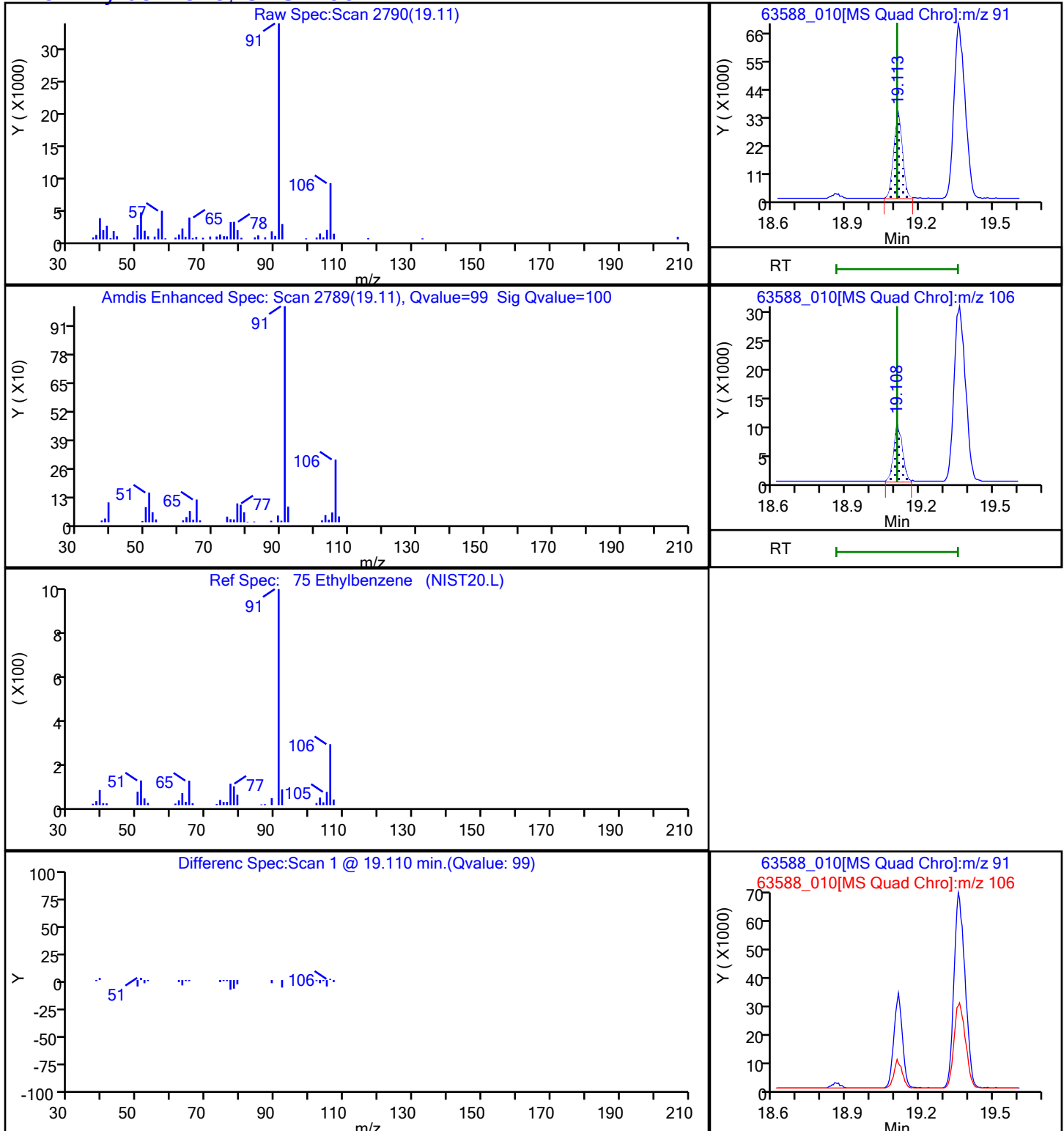
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

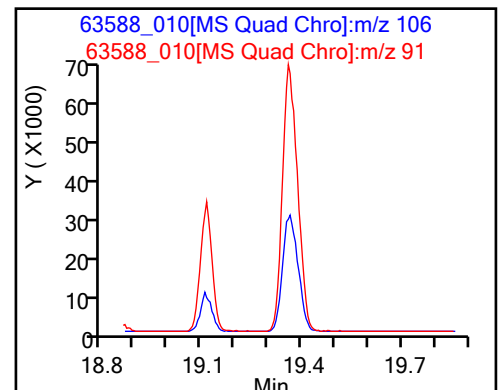
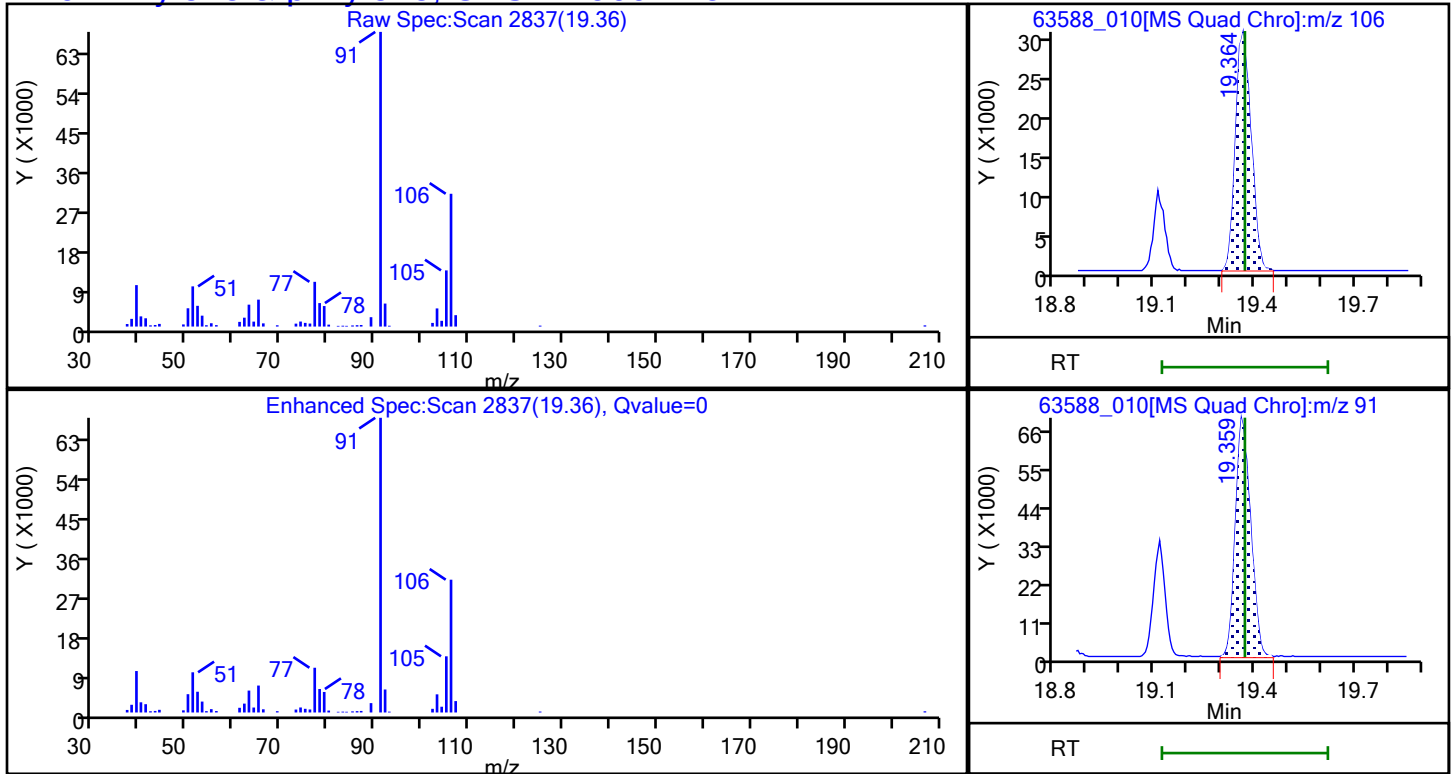
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

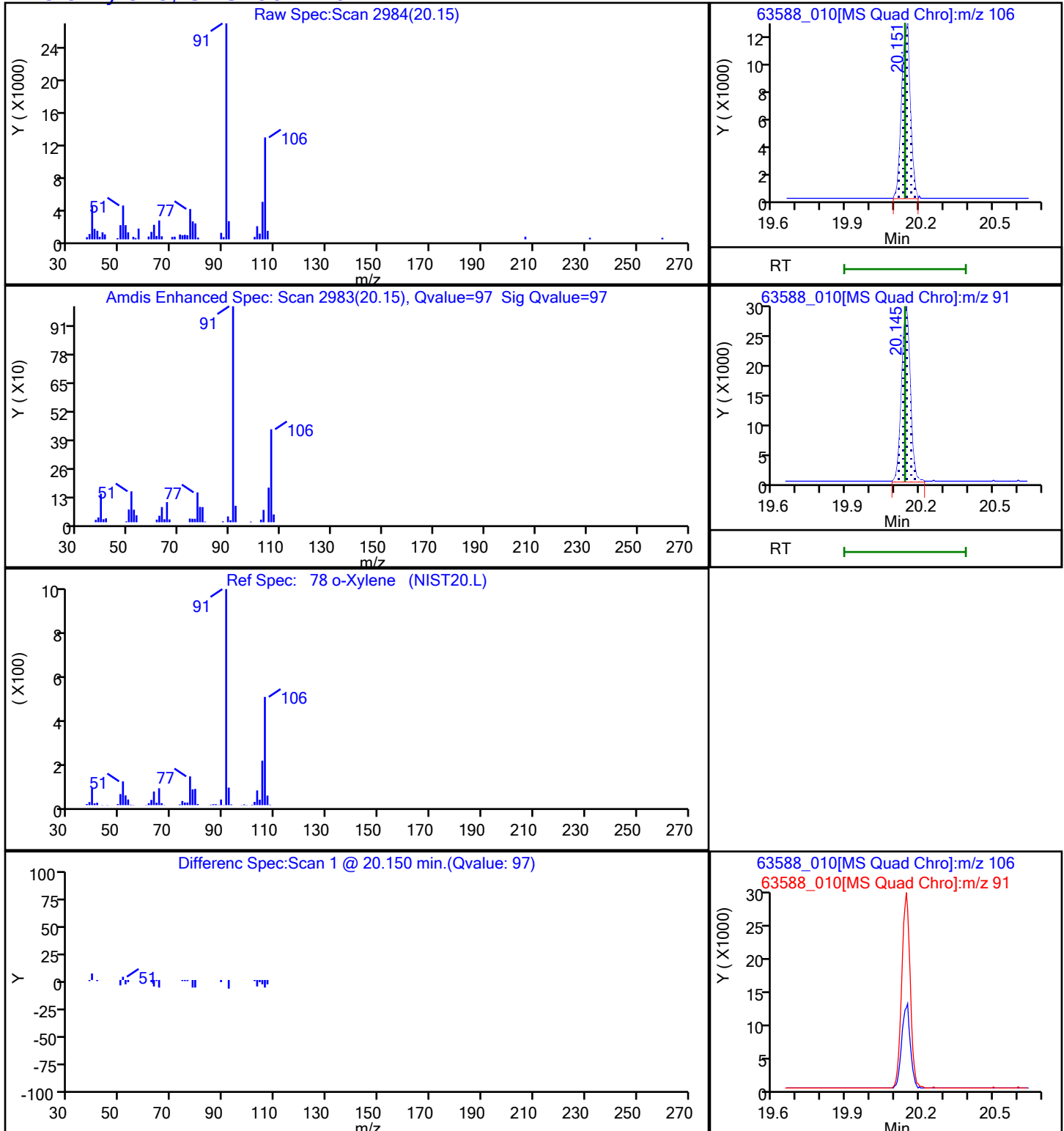
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

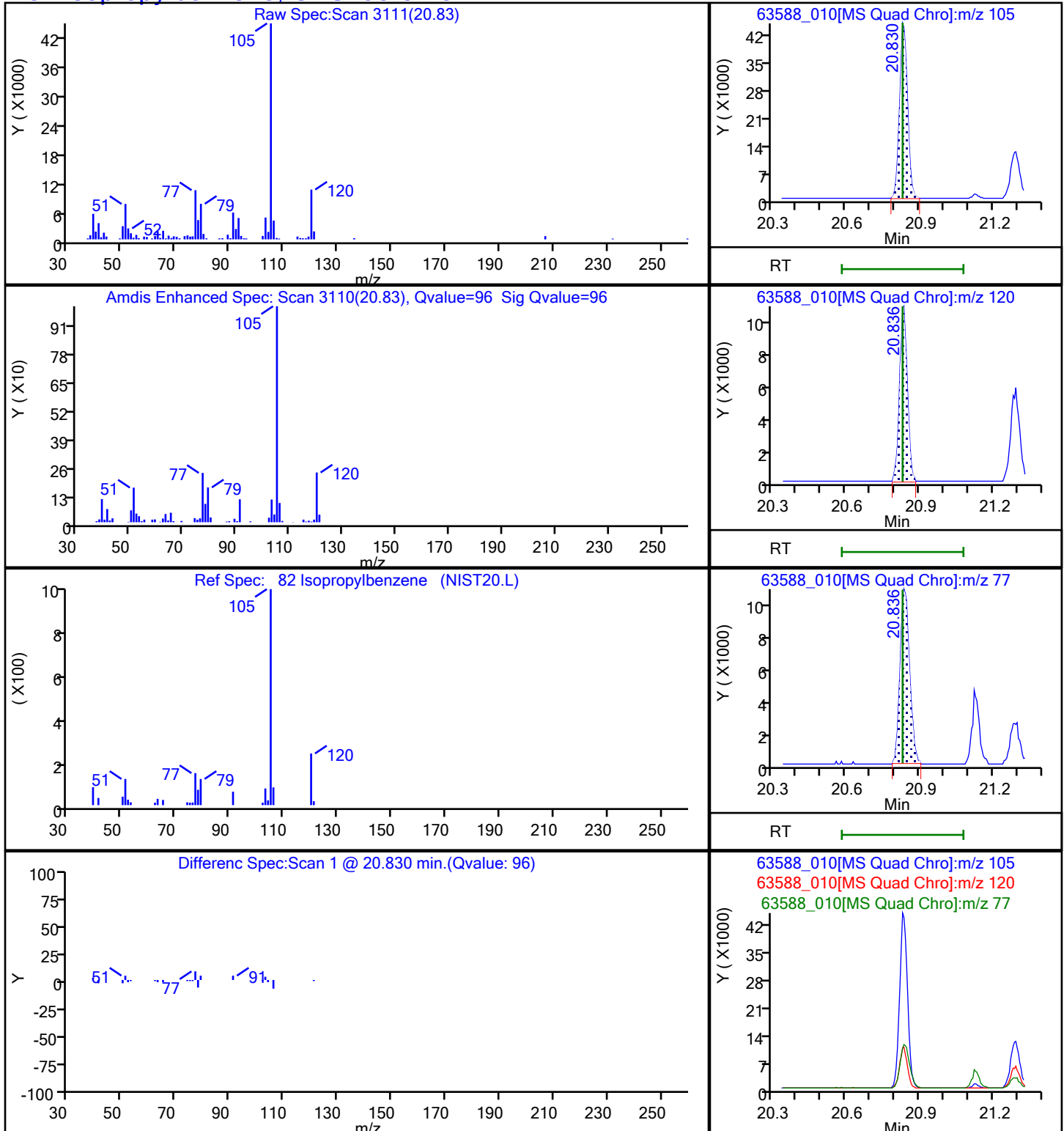
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

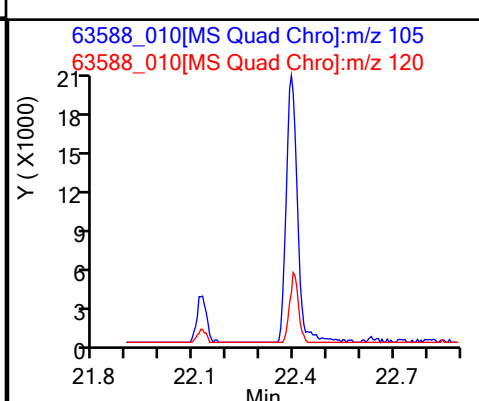
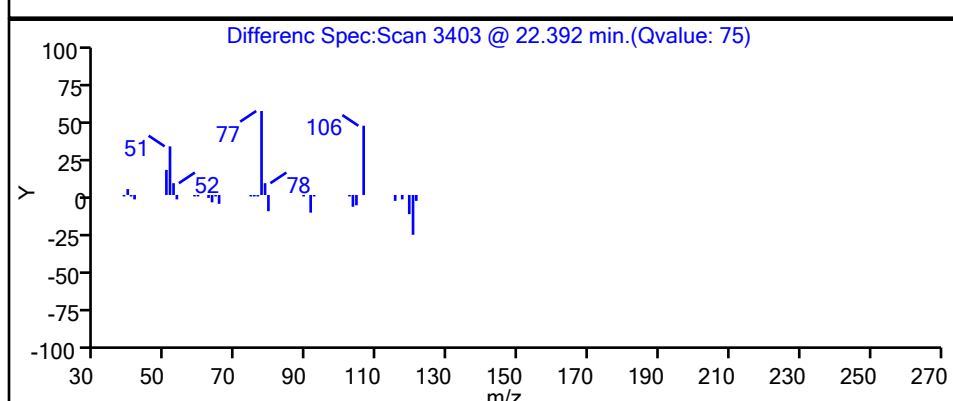
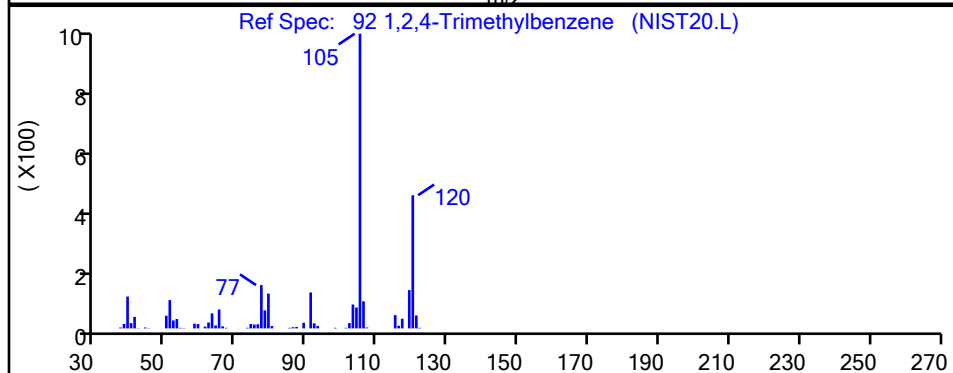
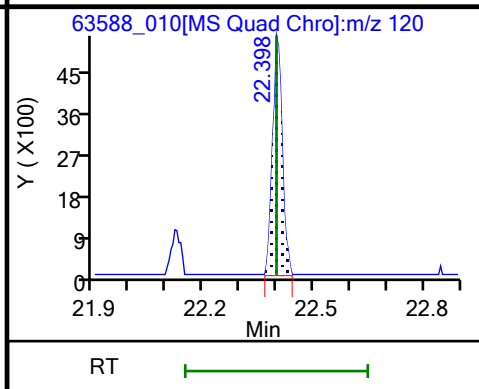
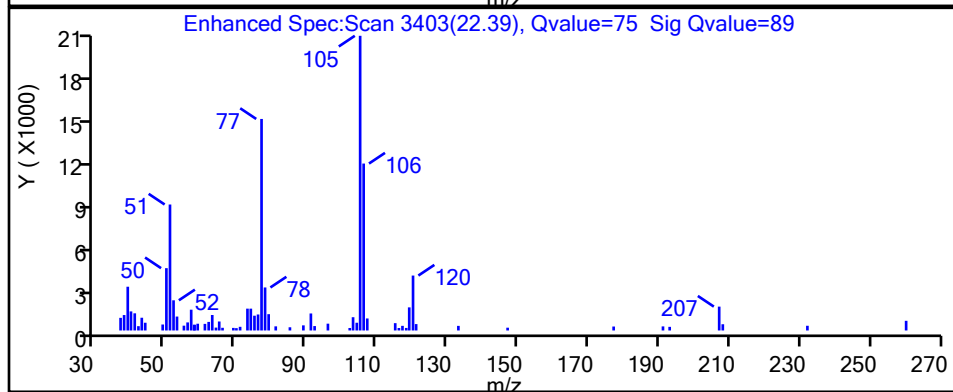
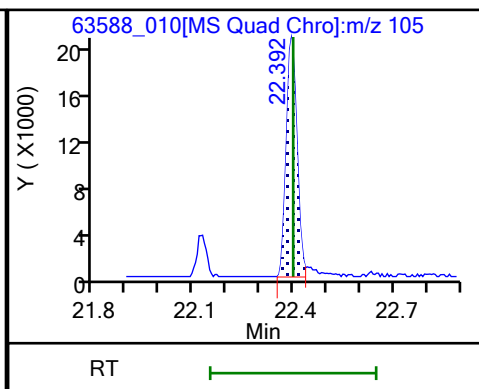
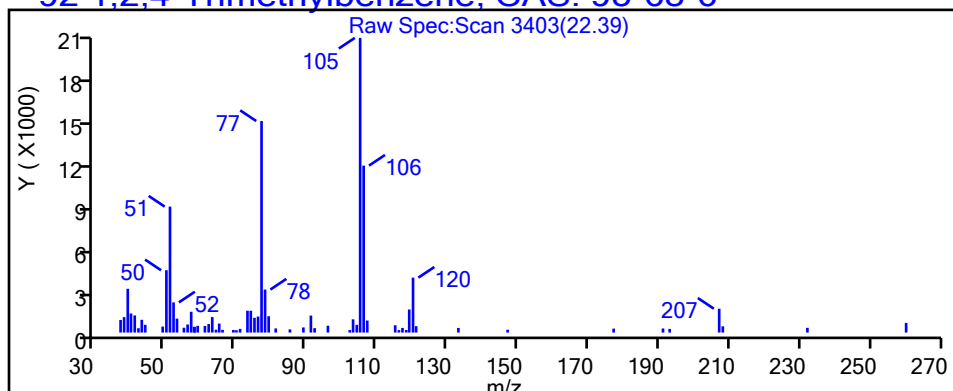
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins Burlington

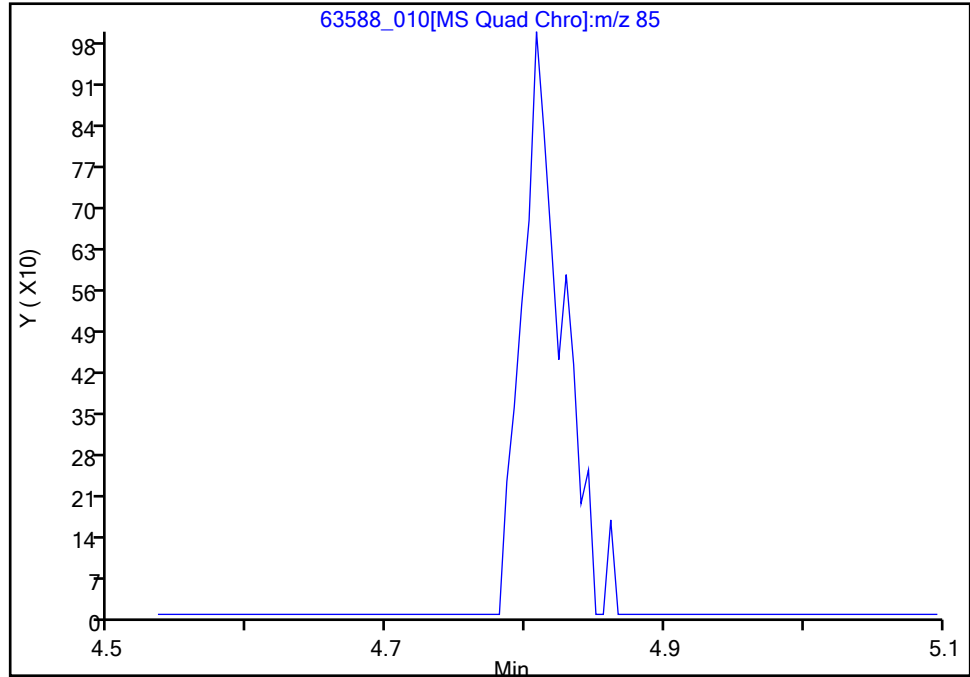
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D
Injection Date: 06-Jan-2025 15:12:24 Instrument ID: CHAN.i
Lims ID: 200-76392-A-6 Lab Sample ID: 200-76392-6
Client ID: SV122024KT006
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoro, CAS: 76-14-2

Signal: 1

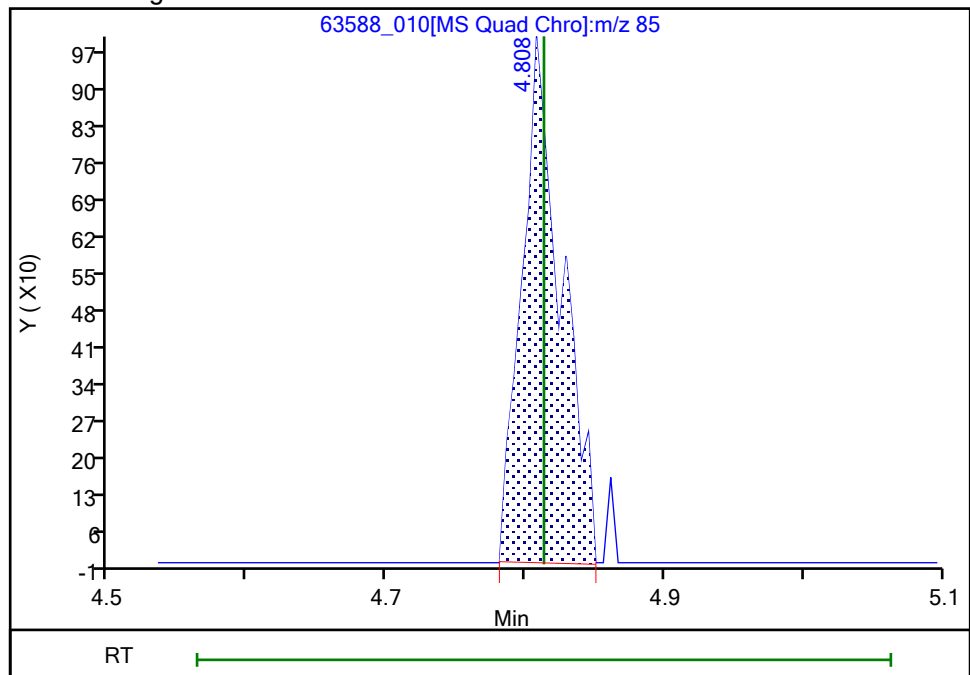
Not Detected
Expected RT: 4.81

Processing Integration Results



RT: 4.81
Area: 1954
Amount: 0.013421
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 07-Jan-2025 11:13:10 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group:

AI_TO15_ICAL

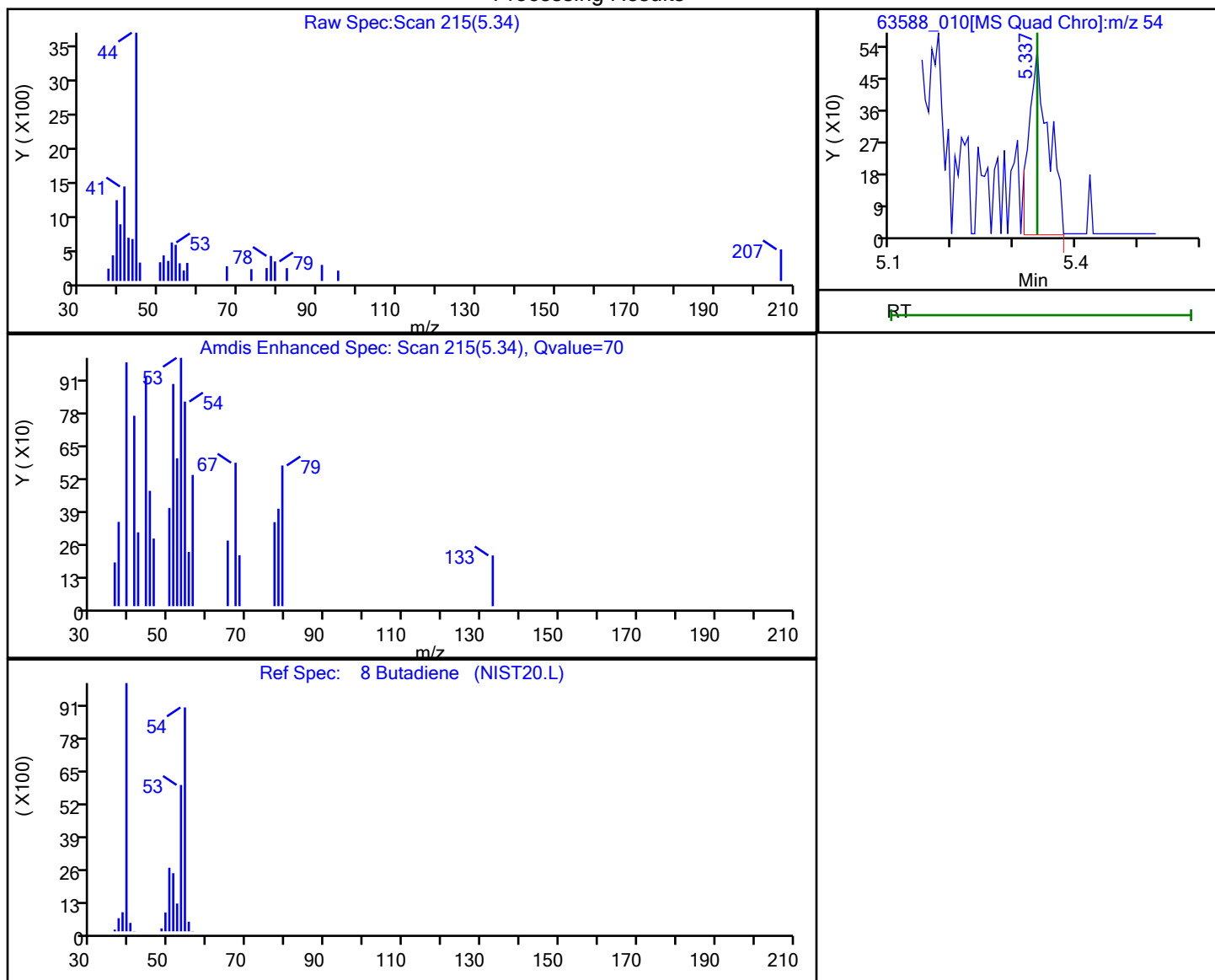
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.34	54.00	1159	0.024179

Reviewer: YWL8, 07-Jan-2025 11:14:31 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

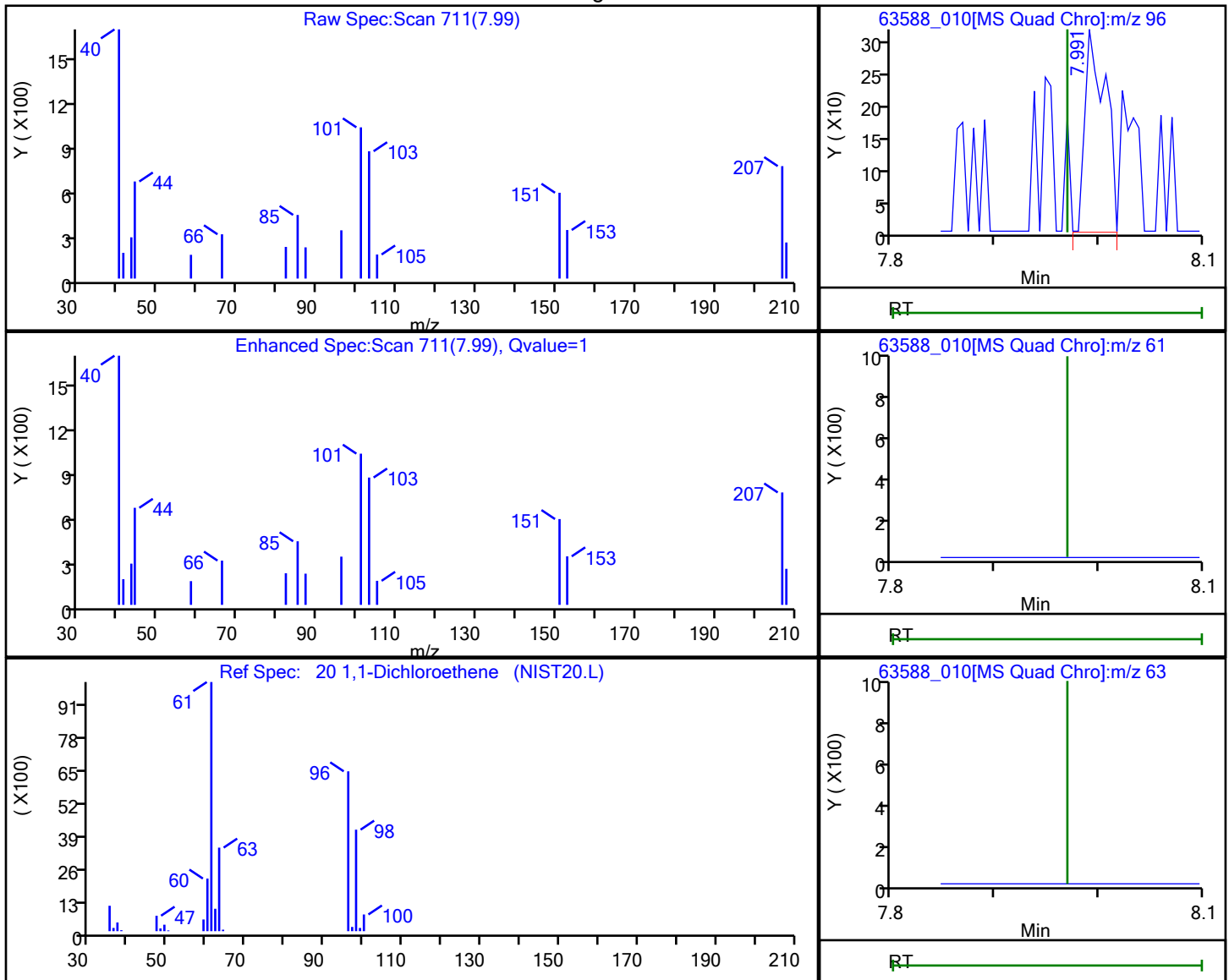
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D
Injection Date: 06-Jan-2025 15:12:24 Instrument ID: CHAN.i
Lims ID: 200-76392-A-6 Lab Sample ID: 200-76392-6
Client ID: SV122024KT006
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 10
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

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
7.99	96.00	437	0.008441
7.97	61.00	0	
7.97	63.00	0	

Reviewer: YWL8, 07-Jan-2025 11:15:02 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

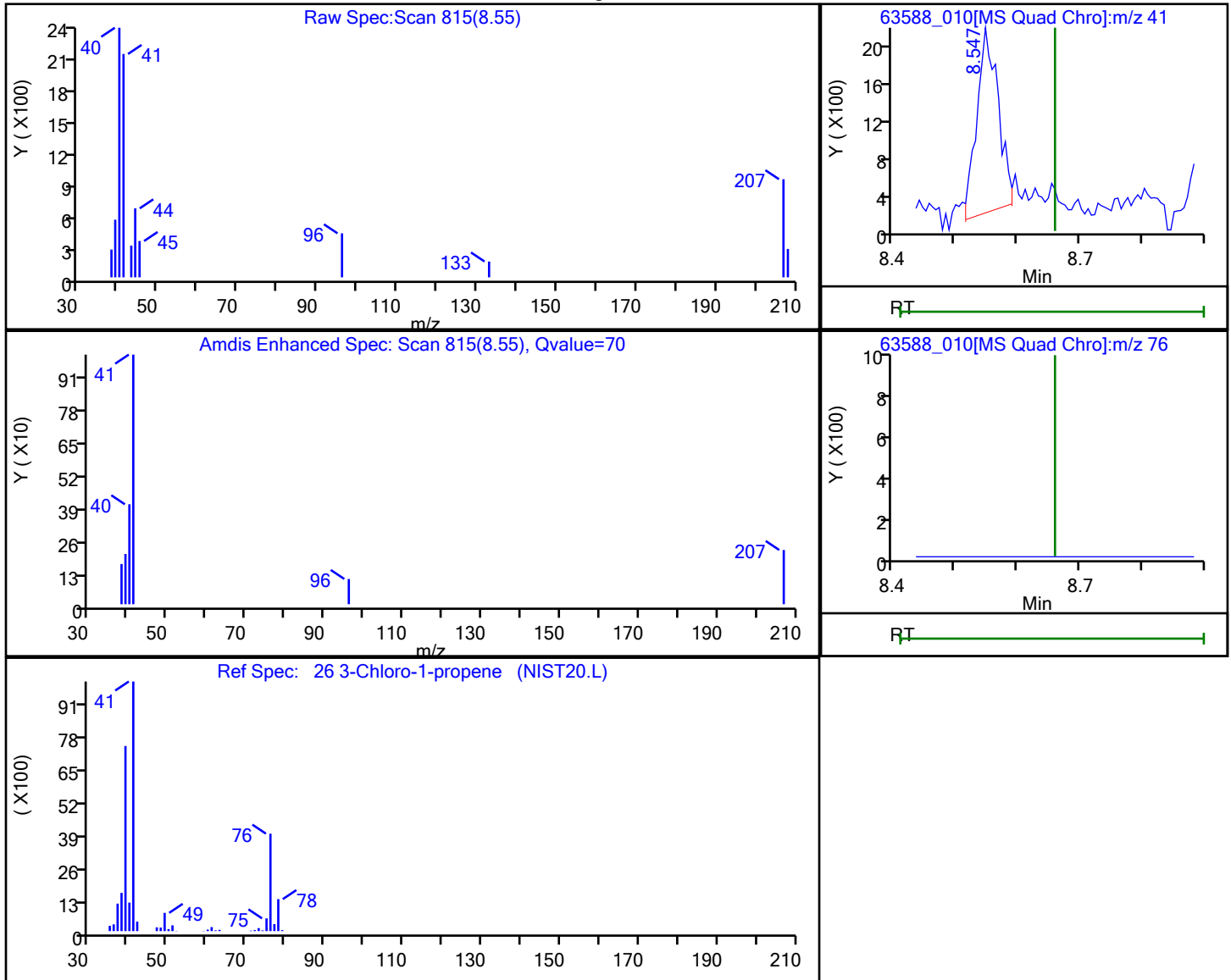
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.55	41.00	4677	0.054235
8.66	76.00	0	

Reviewer: YWL8, 07-Jan-2025 11:15:51 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D

Injection Date: 06-Jan-2025 15:12:24

Instrument ID: CHAN.i

Lims ID: 200-76392-A-6

Lab Sample ID: 200-76392-6

Client ID: SV122024KT006

Operator ID: wrd

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

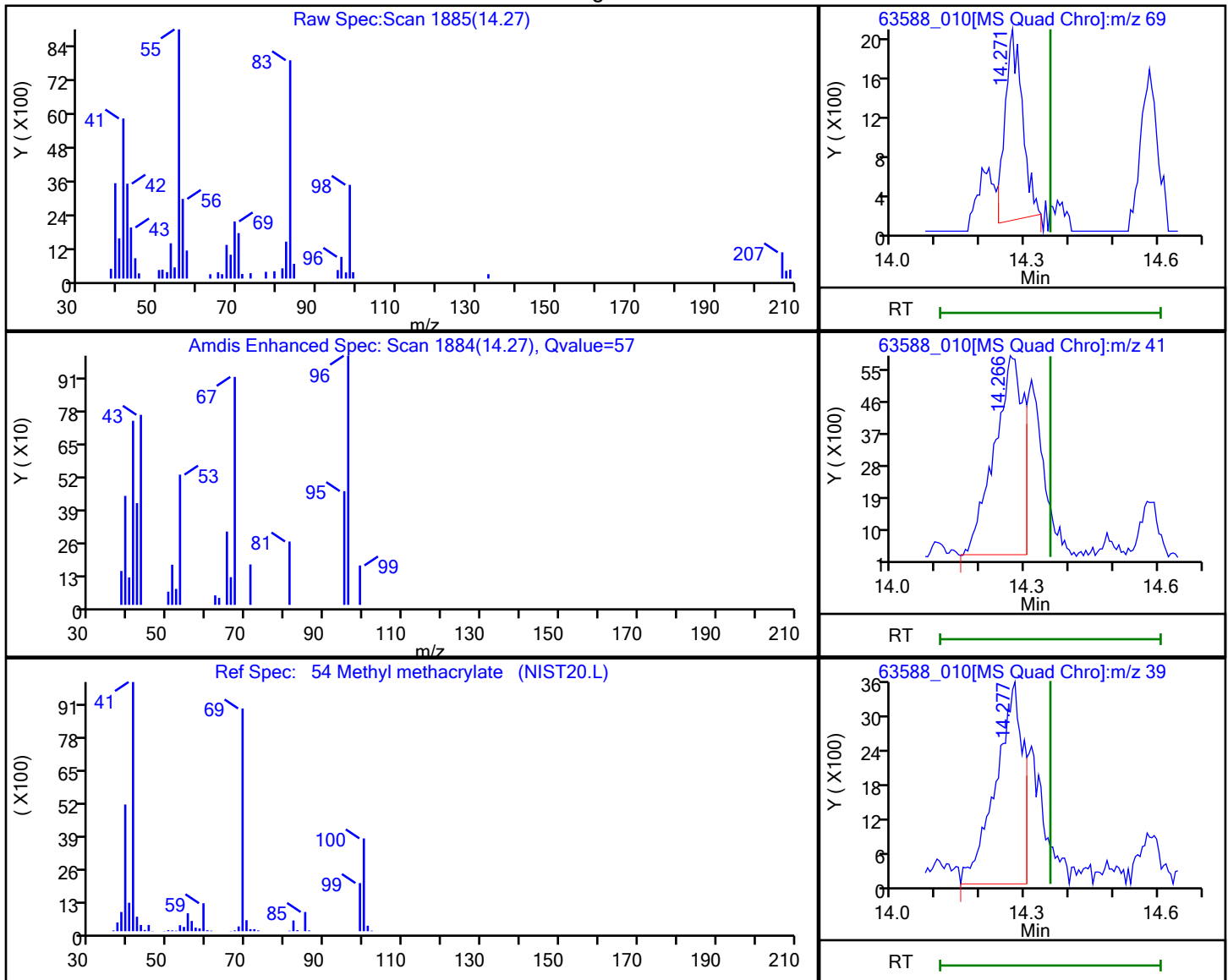
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.27	69.00	5269	0.081638
14.27	41.00	25764	
14.28	39.00	15210	

Reviewer: YWL8, 07-Jan-2025 11:18:03 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

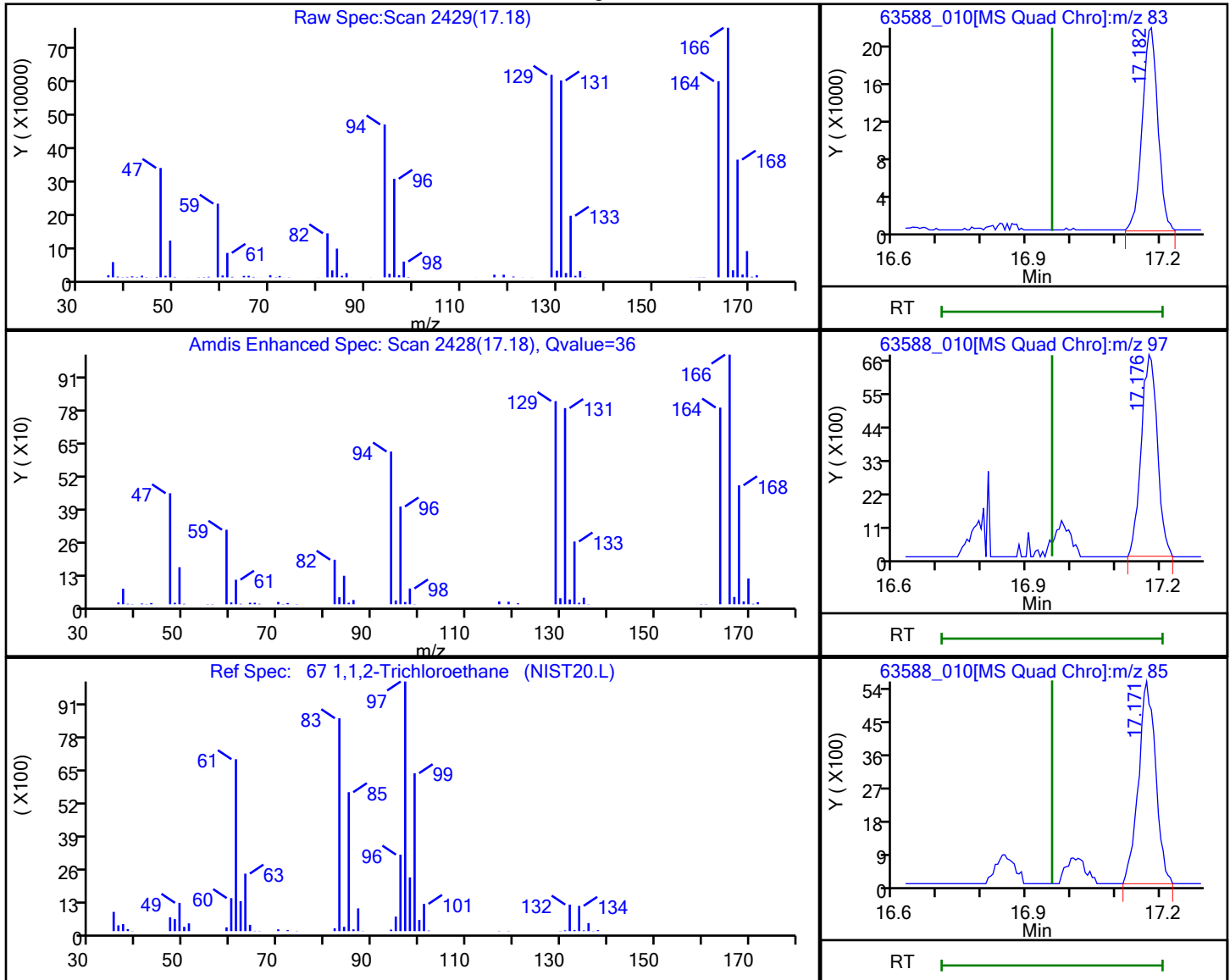
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D
Injection Date: 06-Jan-2025 15:12:24 Instrument ID: CHAN.i
Lims ID: 200-76392-A-6 Lab Sample ID: 200-76392-6
Client ID: SV122024KT006
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 10
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

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.18	83.00	51142	0.785723
17.18	97.00	17270	
17.17	85.00	14955	

Reviewer: YWL8, 07-Jan-2025 11:21:34 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

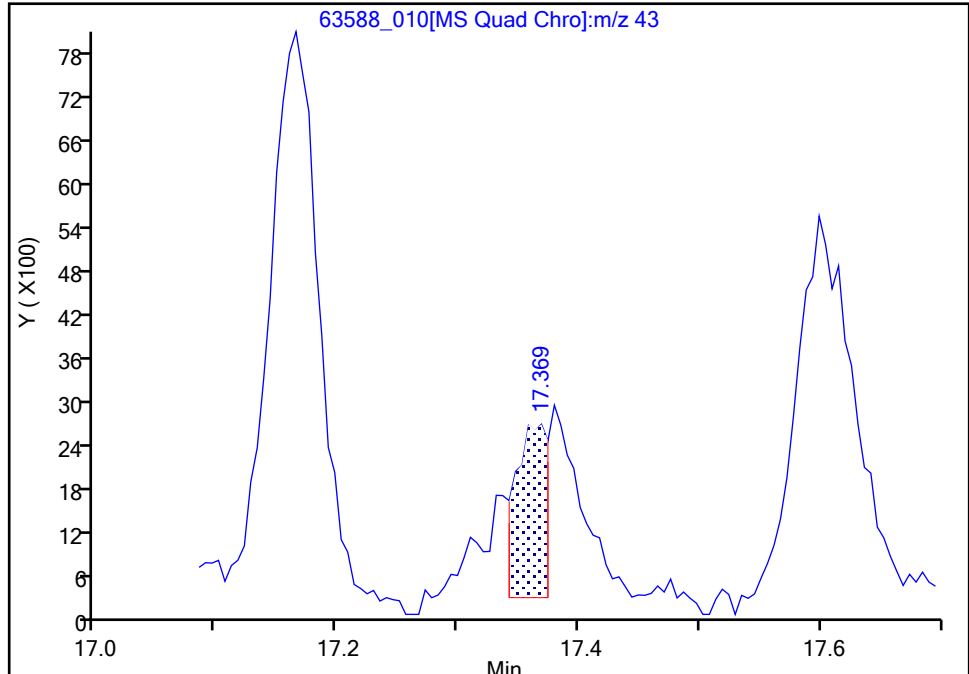
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D
Injection Date: 06-Jan-2025 15:12:24 Instrument ID: CHAN.i
Lims ID: 200-76392-A-6 Lab Sample ID: 200-76392-6
Client ID: SV122024KT006
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Signal: 1

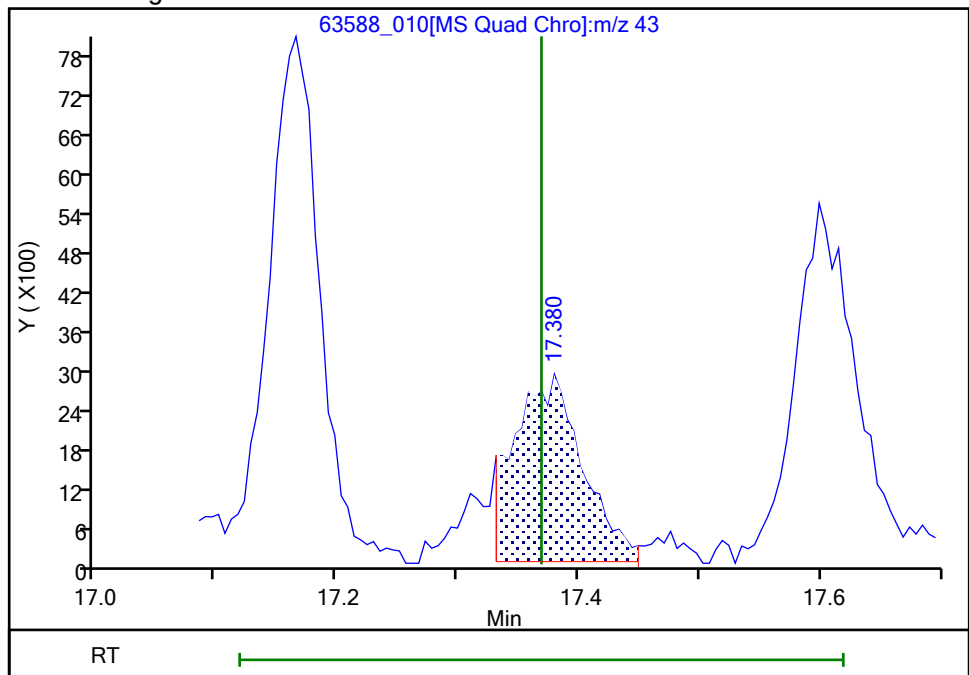
RT: 17.37
Area: 4563
Amount: 0.028927
Amount Units: ppb v/v

Processing Integration Results



RT: 17.38
Area: 11427
Amount: 0.072442
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 07-Jan-2025 11:21:51 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

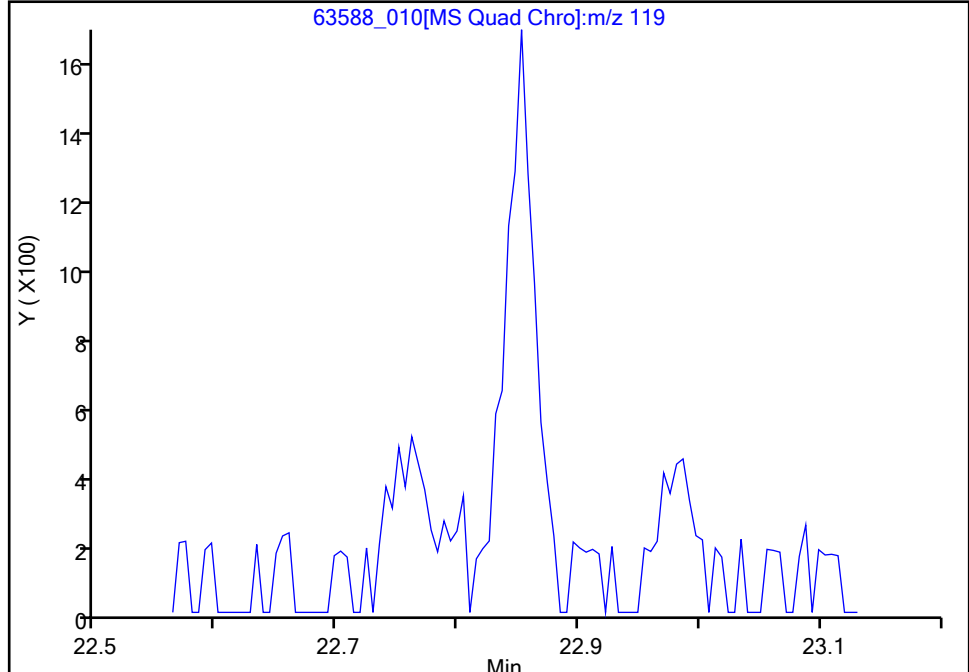
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_010.D				
Injection Date:	06-Jan-2025 15:12:24	Instrument ID:	CHAN.i		
Lims ID:	200-76392-A-6	Lab Sample ID:	200-76392-6		
Client ID:	SV122024KT006				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

95 4-Isopropyltoluene, CAS: 99-87-6

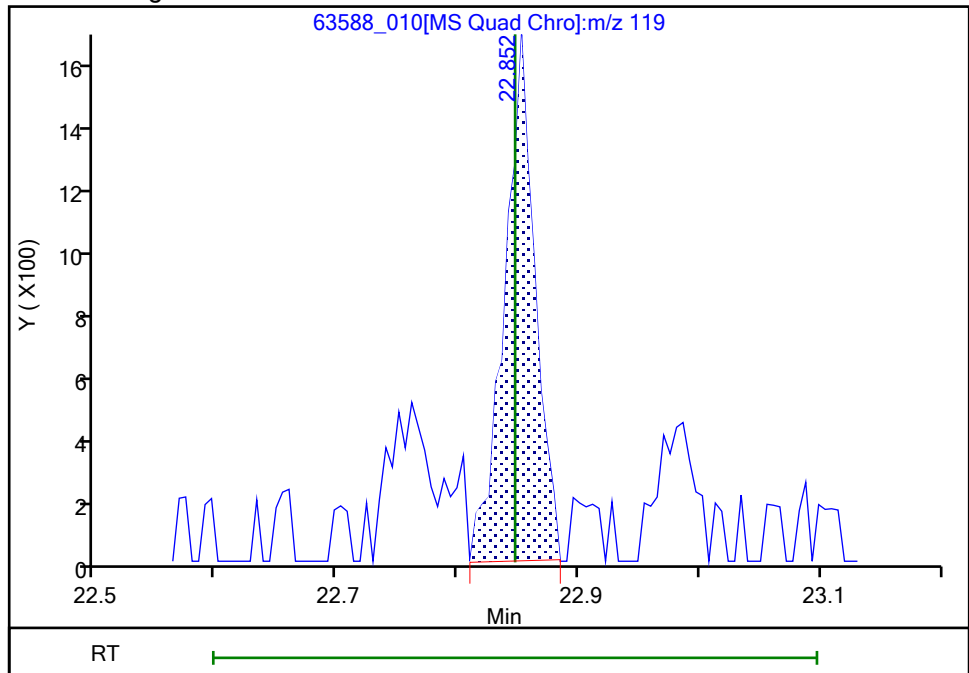
Signal: 1

Not Detected
Expected RT: 22.85

Processing Integration Results



Manual Integration Results



Reviewer: YWL8, 07-Jan-2025 11:25:21 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT007</u>	Lab Sample ID: <u>200-76392-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:50</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 16:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.2	J	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	0.67	J	1.0	0.31
106-97-8	n-Butane	58.12	2.1		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		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.63	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
64-17-5	Ethanol	46.07	14		9.4	4.9
67-64-1	Acetone	58.08	15		12	3.8
67-63-0	Isopropyl alcohol	60.10	6.9	J	12	3.9
75-15-0	Carbon disulfide	76.14	0.48	J	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	0.97	J	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	1.9		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	2.3		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	2.2		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.5		1.1	0.24
110-82-7	Cyclohexane	84.16	0.69		0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT007</u>	Lab Sample ID: <u>200-76392-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:50</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 16:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.37		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.96		0.93	0.18
71-43-2	Benzene	78.11	1.7		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	2.0		0.82	0.23
79-01-6	Trichloroethene	131.39	2.2		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	9.2		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	180		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.78	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	0.82	J	0.87	0.30
179601-23-1	m,p-Xylene	106.17	2.7		2.2	0.41
95-47-6	o-Xylene	106.17	0.91		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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT007</u>	Lab Sample ID: <u>200-76392-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:50</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 16:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.62	J	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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT007</u>	Lab Sample ID: <u>200-76392-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:50</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 16:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.45	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.33	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	0.33	J	0.50	0.15
106-97-8	n-Butane	58.12	0.89		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		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.082	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
64-17-5	Ethanol	46.07	7.5		5.0	2.6
67-64-1	Acetone	58.08	6.4		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	2.8	J	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.15	J	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	0.28	J	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	0.54		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	0.78		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	0.45		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	0.27		0.20	0.044
110-82-7	Cyclohexane	84.16	0.20		0.20	0.058

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT007</u>	Lab Sample ID: <u>200-76392-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:50</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 16:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.058		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.21		0.20	0.038
71-43-2	Benzene	78.11	0.53		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	0.49		0.20	0.055
79-01-6	Trichloroethene	131.39	0.40		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	2.4		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	26		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.19	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	0.19	J	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.62		0.50	0.095
95-47-6	o-Xylene	106.17	0.21		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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT007</u>	Lab Sample ID: <u>200-76392-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:50</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 16:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.13	J	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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
 Lims ID: 200-76392-A-7
 Client ID: SV122024KT007
 Sample Type: Client
 Inject. Date: 06-Jan-2025 16:03:57 ALS Bottle#: 9 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063588-011
 Misc. Info.: 76329-7
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 07-Jan-2025 11:44:23 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1672

First Level Reviewer: YWL8

Date: 07-Jan-2025 11:44:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.444	4.449	-0.005	99	57220	0.4466	
3 Chlorodifluoromethane	51	4.487	4.492	-0.005	97	33214	0.3302	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.813				ND	
5 Chloromethane	50	4.926	4.931	-0.005	99	19800	0.3252	
6 Vinyl chloride	62		5.225				ND	
7 Butane	43	5.230	5.230	0.000	98	83424	0.8947	
8 Butadiene	54		5.337				ND	MU
9 Bromomethane	94		6.065				ND	
10 Chloroethane	64		6.332				ND	7
13 Vinyl bromide	106		6.750				ND	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	97	22597	0.2029	
16 Ethanol	45	7.274	7.269	0.005	98	223300	7.49	
20 1,1-Dichloroethene	96		7.969				ND	7
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.023	8.012	0.011	88	7618	0.0817	
22 Acetone	43	8.039	8.028	0.011	100	618582	6.43	
23 Isopropyl alcohol	45	8.328	8.317	0.011	100	268848	2.79	
24 Carbon disulfide	76	8.376	8.376	0.000	100	22567	0.1537	
26 3-Chloro-1-propene	41		8.659				ND	MU
27 Methylene Chloride	49	8.890	8.884	0.006	93	20048	0.2802	
28 2-Methyl-2-propanol	59	9.098	9.082	0.016	97	24719	0.2178	
30 trans-1,2-Dichloroethene	61		9.387				ND	
31 Methyl tert-butyl ether	73		9.392				ND	
32 Hexane	57	9.912	9.906	0.006	94	48783	0.5399	
33 1,1-Dichloroethane	63		10.147				ND	7
36 2-Butanone (MEK)	72	11.110	11.099	0.011	99	21085	0.7783	
37 cis-1,2-Dichloroethene	96		11.136				ND	7
* 39 Chlorobromomethane	128	11.543	11.543	0.000	91	350452	10.0	
40 Tetrahydrofuran	42	11.602	11.586	0.016	92	14977	0.1958	
41 Chloroform	83	11.725	11.720	0.005	94	48449	0.4490	
42 1,1,1-Trichloroethane	97	12.041	12.040	0.006	96	28019	0.2725	
43 Cyclohexane	84	12.191	12.190	0.006	93	13443	0.2006	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.314	12.319	-0.005	94	5631	0.0581	
45 Benzene	78	12.661	12.656	0.005	99	87110	0.5276	
46 1,2-Dichloroethane	62		12.720				ND	
47 Isooctane	57	12.897	12.886	0.011	97	60785	0.2053	
48 n-Heptane	43	13.196	13.191	0.005	95	61207	0.4921	
* 49 1,4-Difluorobenzene	114	13.384	13.383	0.001	98	1757059	10.0	
51 Trichloroethene	95	13.828	13.828	0.006	87	27620	0.4049	
53 1,2-Dichloropropane	63		14.271				ND	
54 Methyl methacrylate	69		14.357				ND	MU
55 1,4-Dioxane	88		14.394				ND	7
58 Dichlorobromomethane	83		14.731				ND	
59 cis-1,3-Dichloropropene	75		15.534				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.796				ND	7
62 Toluene	92	16.187	16.181	0.006	92	274682	2.45	
66 trans-1,3-Dichloropropene	75		16.583				ND	
67 1,1,2-Trichloroethane	83		16.957				ND	MU
68 Tetrachloroethene	166	17.182	17.171	0.000	88	1908731	26.3	
69 2-Hexanone	43	17.380	17.380	0.011	85	28446	0.1895	
70 Chlorodibromomethane	129		17.695				ND	
71 Ethylene Dibromide	107		17.936				ND	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	95	1576864	10.0	
74 Chlorobenzene	112		18.915				ND	
75 Ethylbenzene	91	19.113	19.108	0.005	99	47545	0.1889	
76 m-Xylene & p-Xylene	106	19.359	19.370	-0.011	0	55835	0.6230	
78 o-Xylene	106	20.140	20.146	0.000	96	18326	0.2090	
79 Styrene	104	20.178	20.178	0.006	64	3479	0.0245	M
81 Bromoform	173		20.509				ND	
82 Isopropylbenzene	105		20.830				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.328				ND	MU
85 N-Propylbenzene	91	21.547	21.542	0.005	96	6308	0.0185	
86 2-Chlorotoluene	91		21.686				ND	
87 4-Ethyltoluene	105	21.740	21.740	0.000	80	5595	0.0221	
88 1,3,5-Trimethylbenzene	105	21.831	21.831	0.000	91	4153	0.0194	
91 tert-Butylbenzene	119		22.312				ND	
92 1,2,4-Trimethylbenzene	105	22.398	22.398	0.000	90	27177	0.1256	
93 sec-Butylbenzene	105		22.638				ND	
94 1,3-Dichlorobenzene	146		22.804				ND	7
95 4-Isopropyltoluene	119	22.853	22.853	0.006	64	5443	0.0210	M
96 1,4-Dichlorobenzene	146		22.943				ND	7
97 Benzyl chloride	91		23.088				ND	7
98 n-Butylbenzene	91		23.403				ND	MU
99 1,2-Dichlorobenzene	146		23.436				ND	
102 1,2,4-Trichlorobenzene	180		25.880				ND	
103 Hexachlorobutadiene	225		26.137				ND	
104 Naphthalene	128	26.357	26.357	0.000	94	3960	0.0199	M

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Worklist Smp#: 11

Client ID: SV122024KT007

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

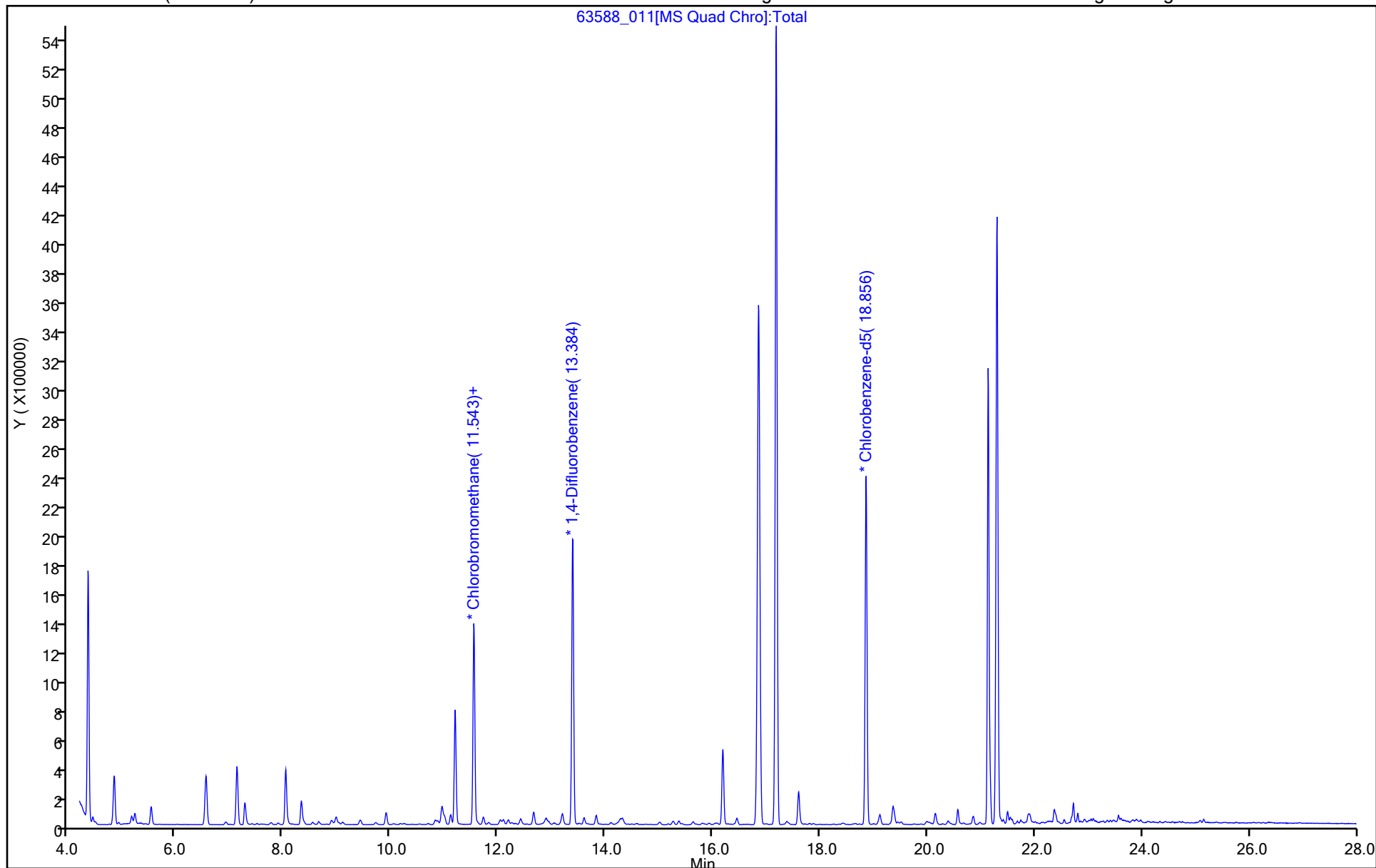
ALS Bottle#: 9

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\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

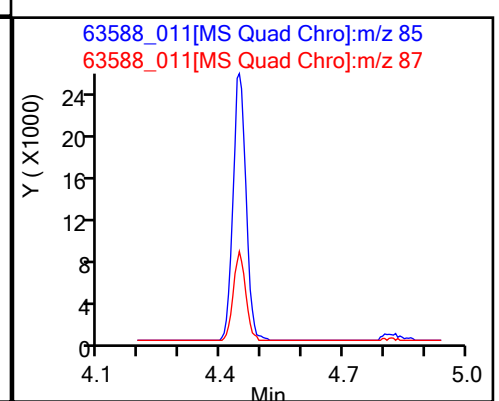
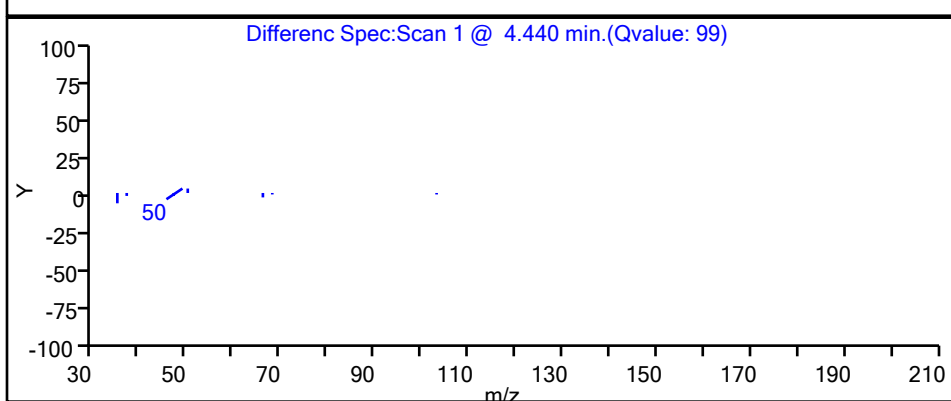
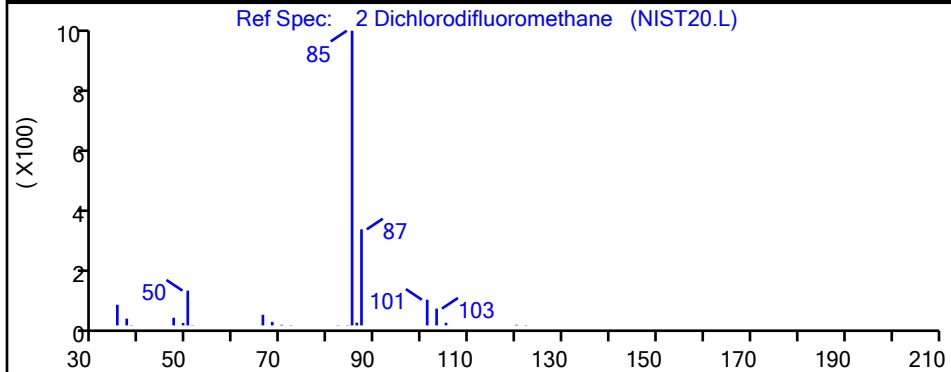
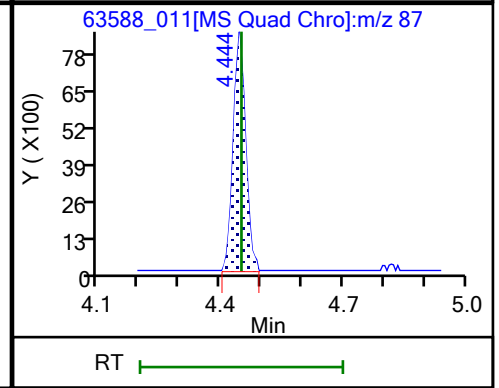
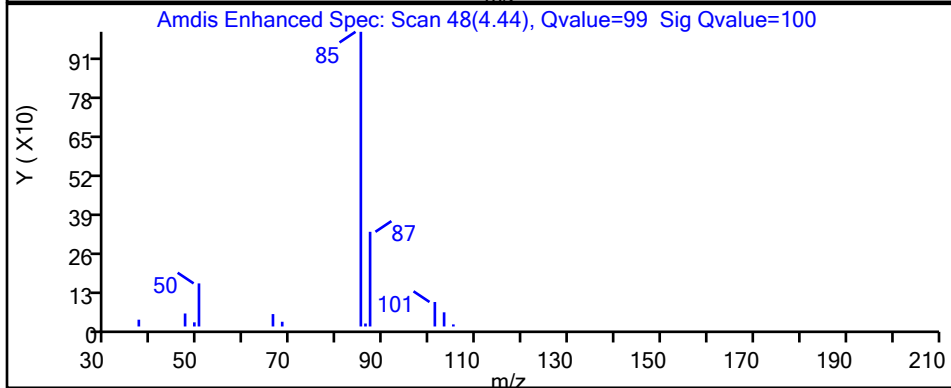
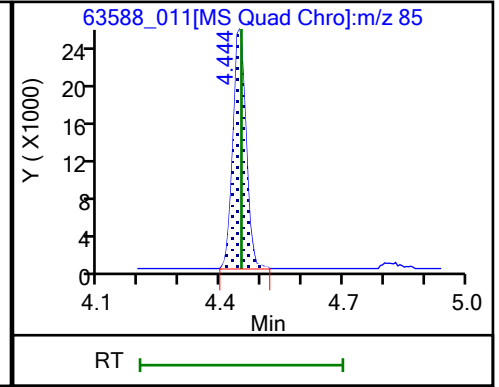
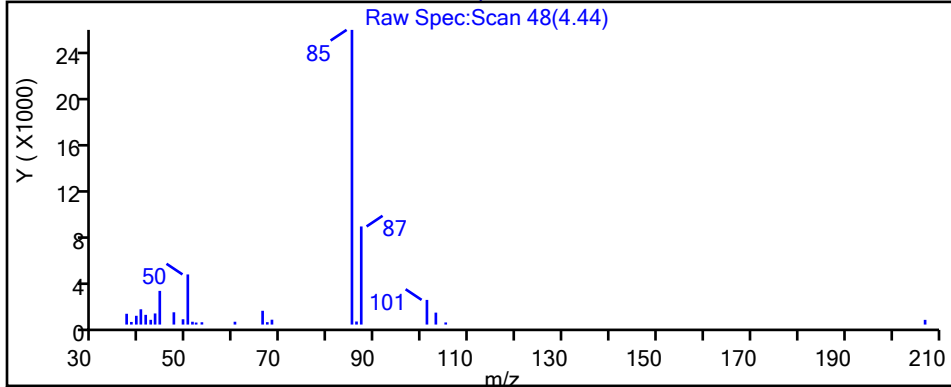
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

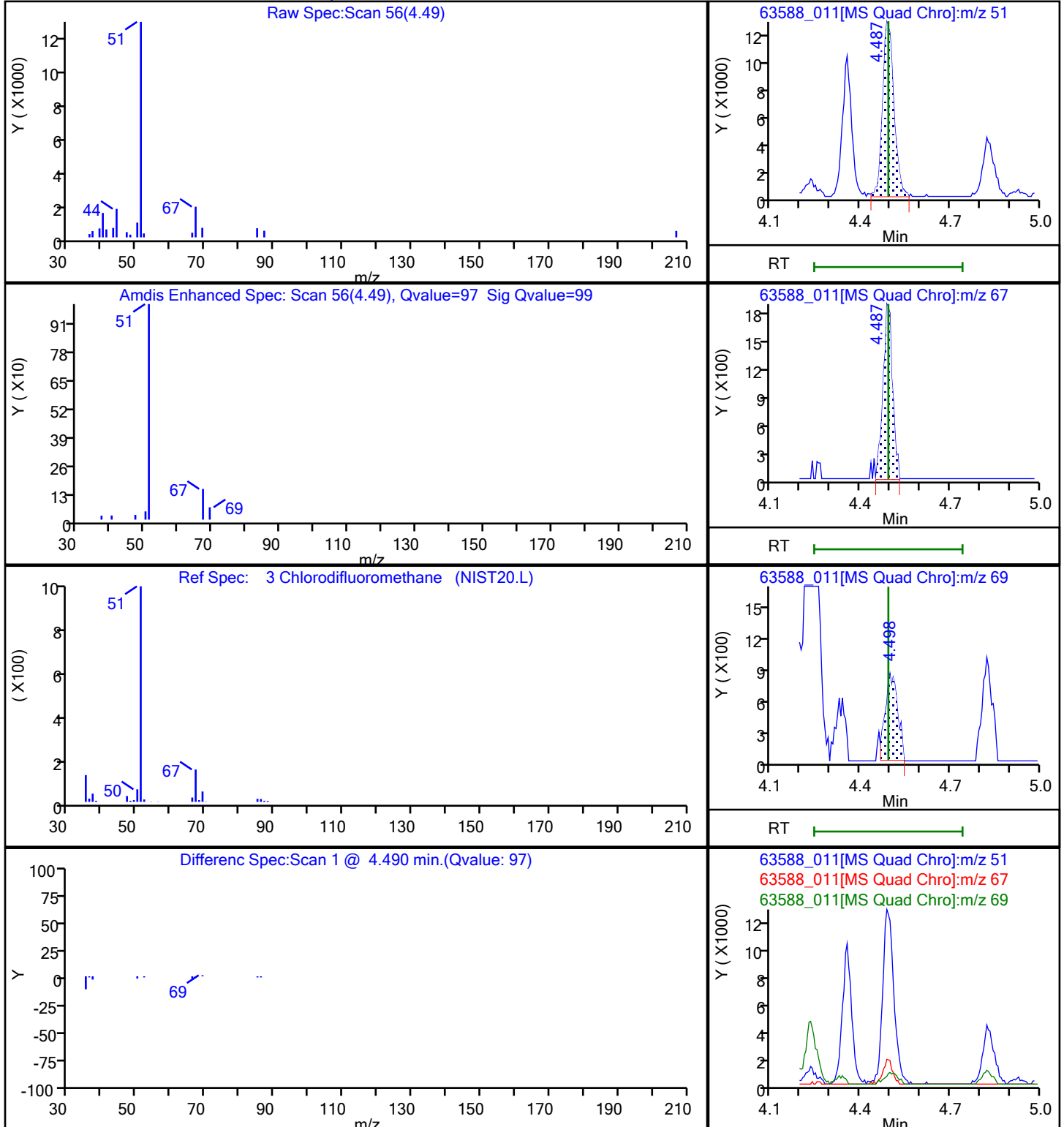
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

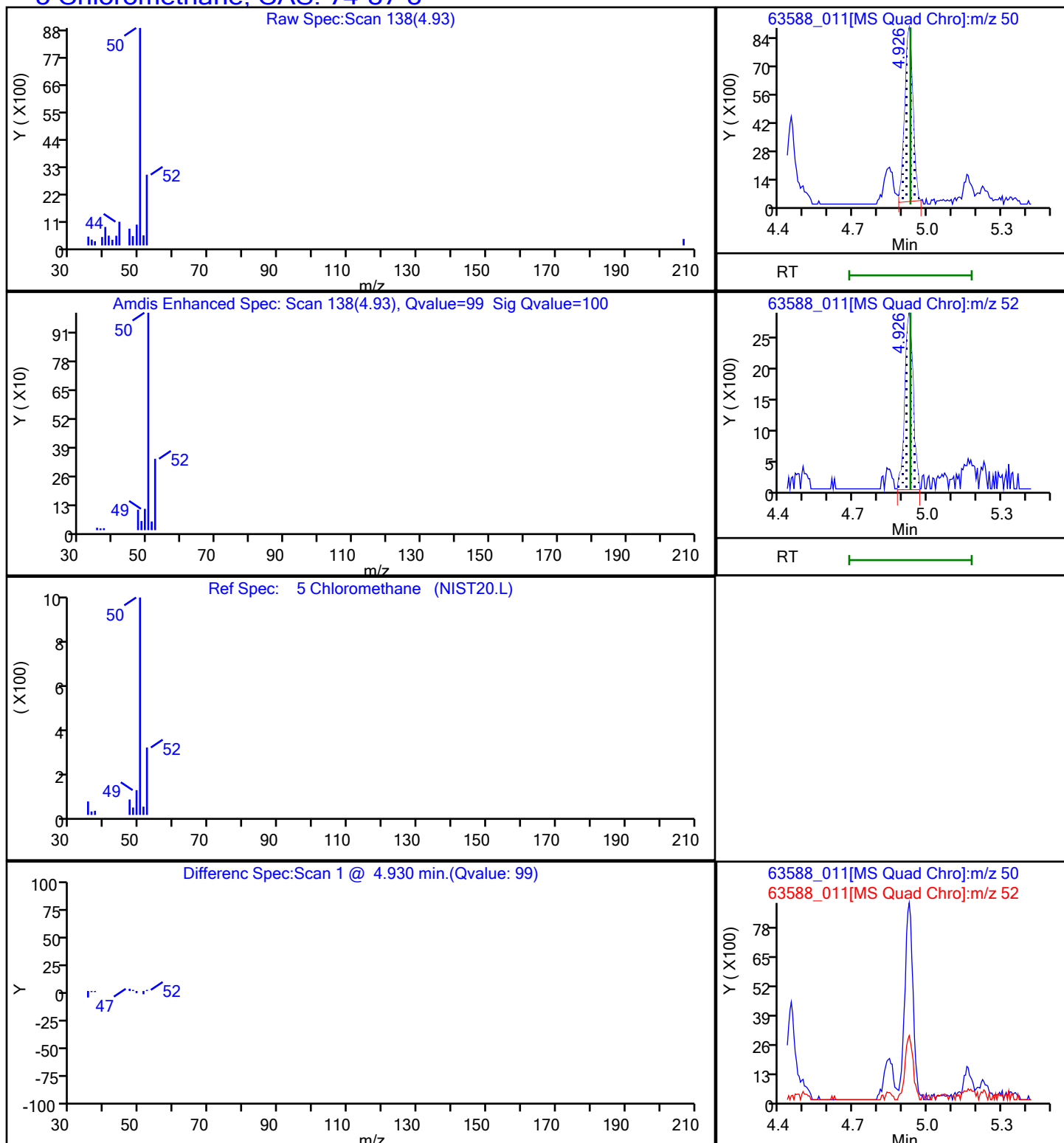
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

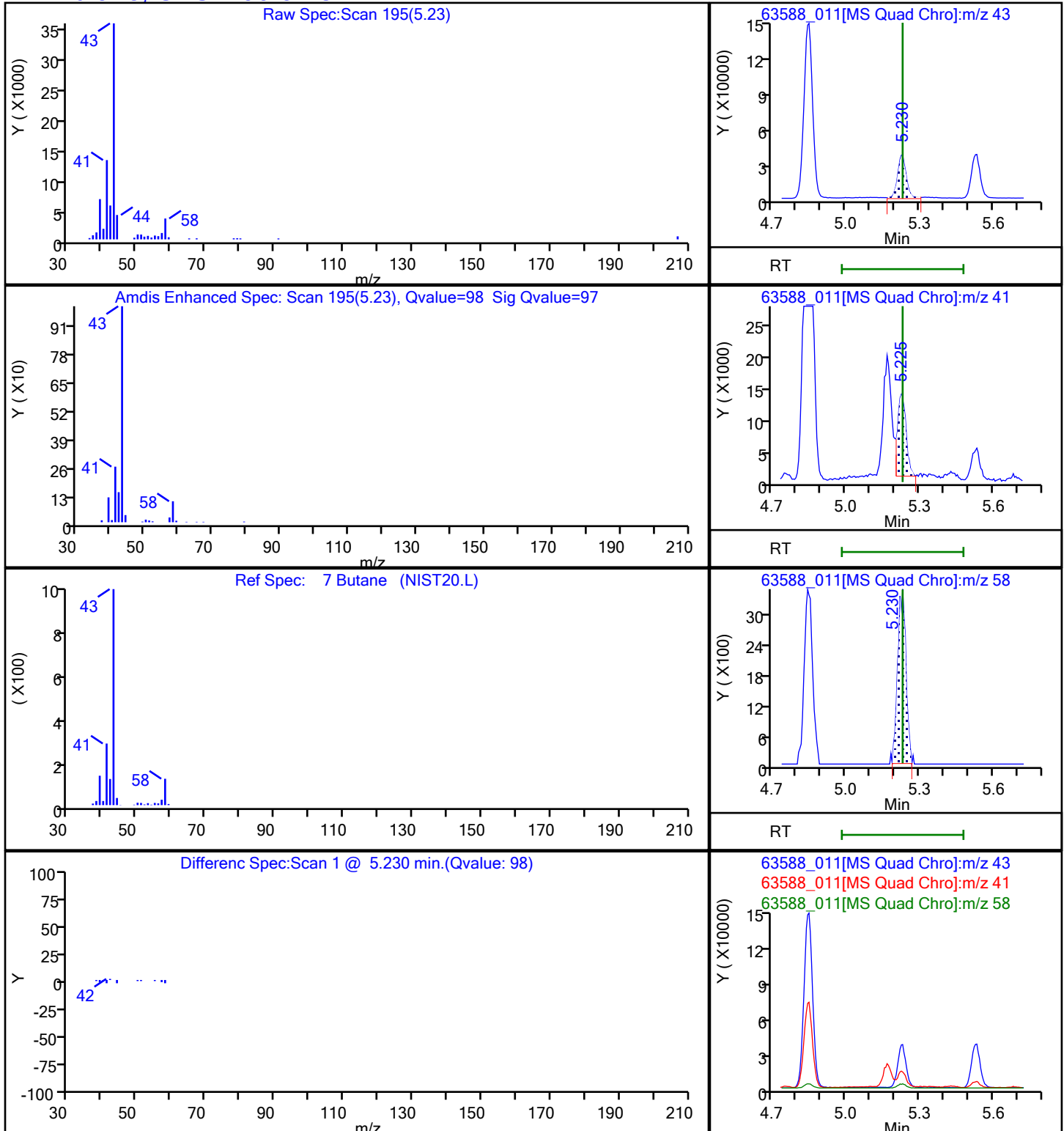
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

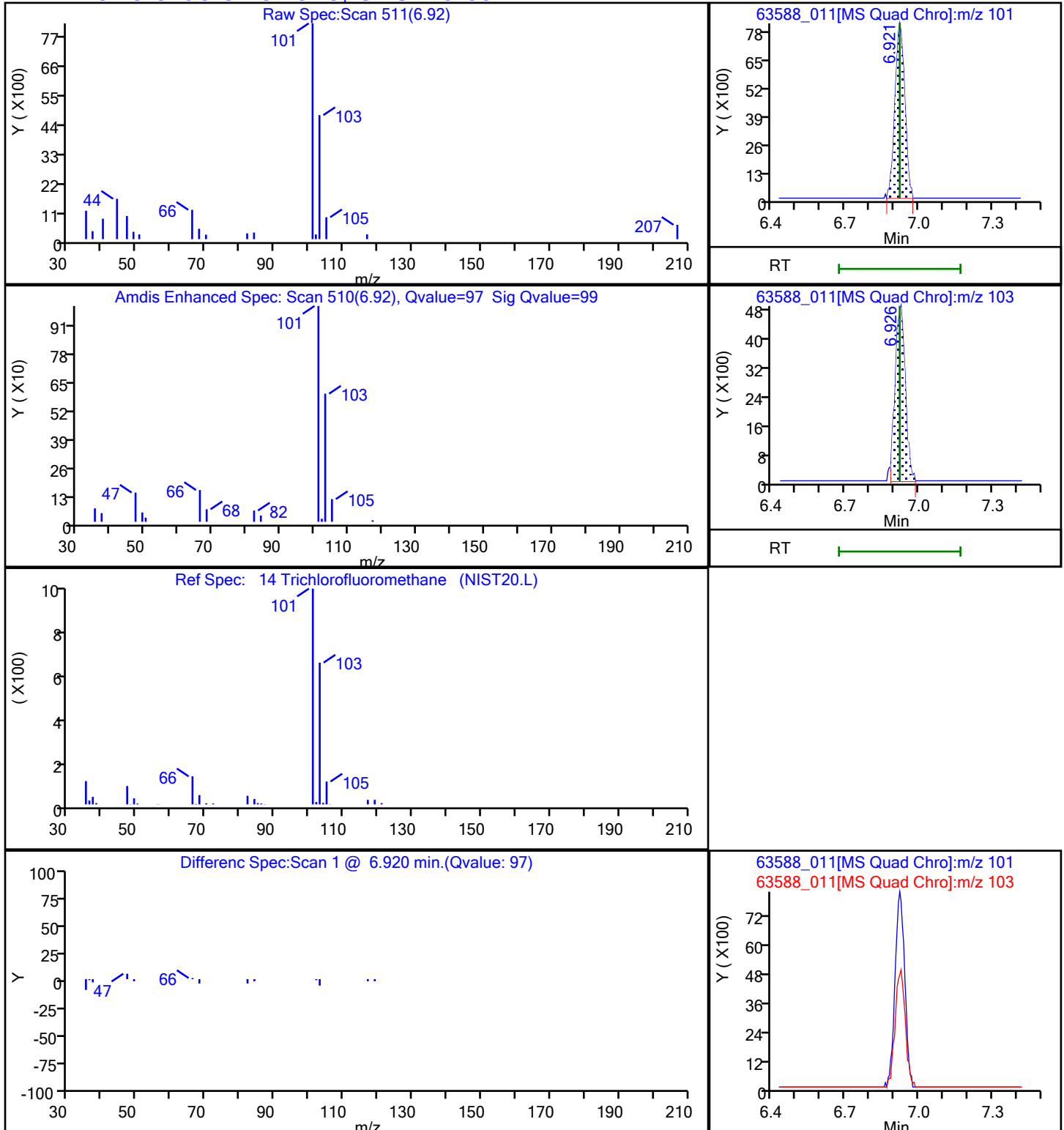
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

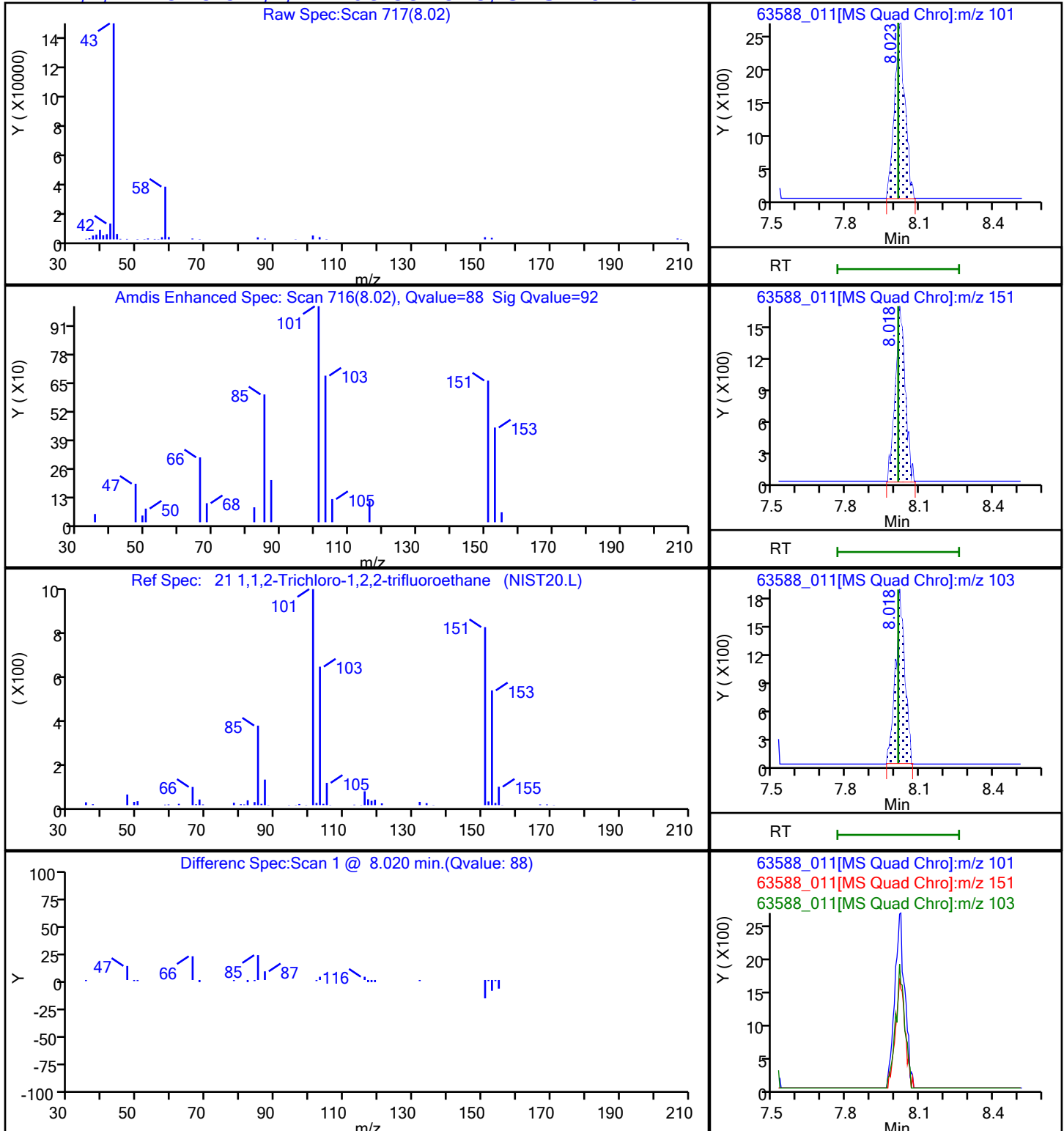
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

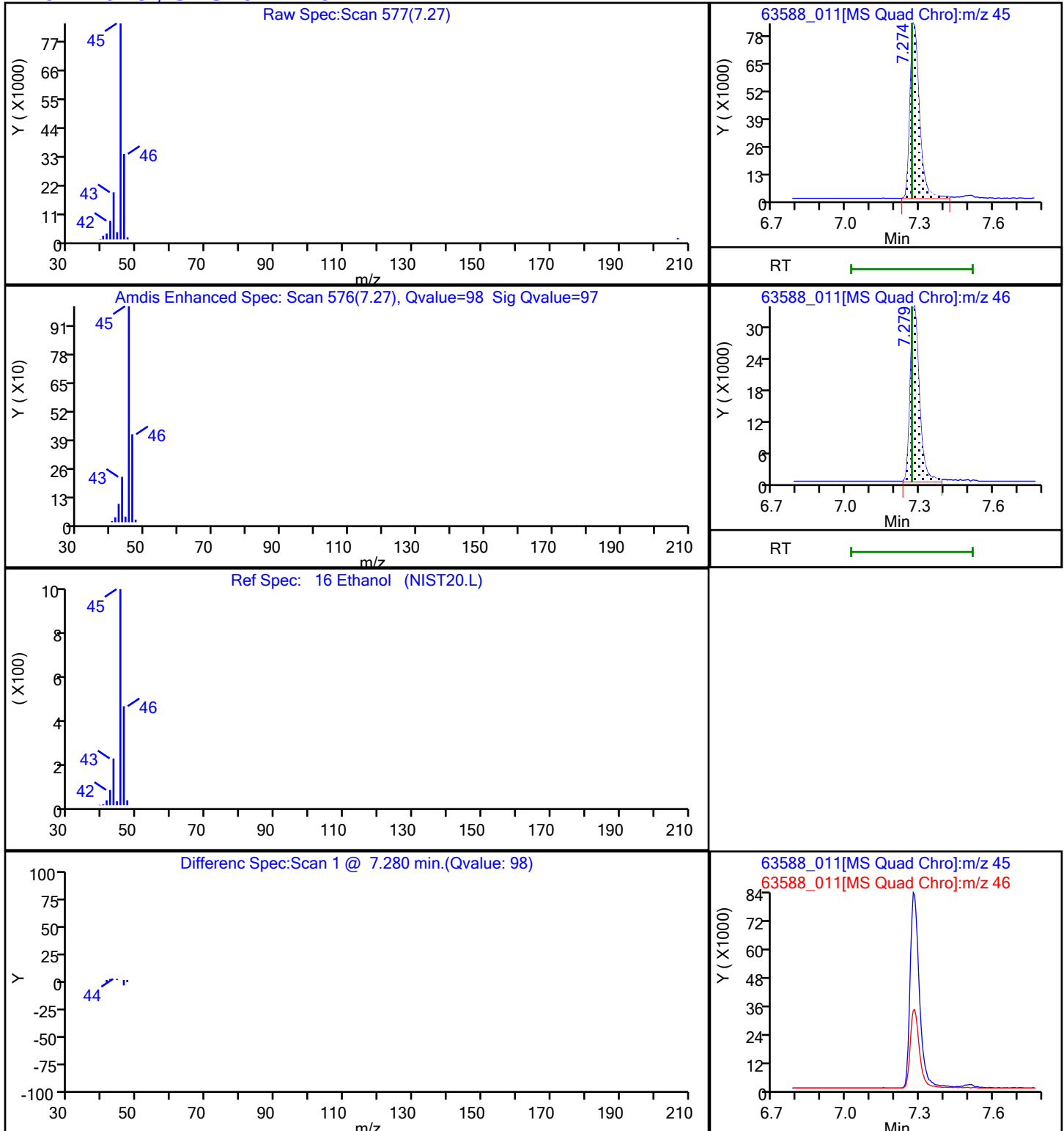
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Ethanol, CAS: 64-17-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

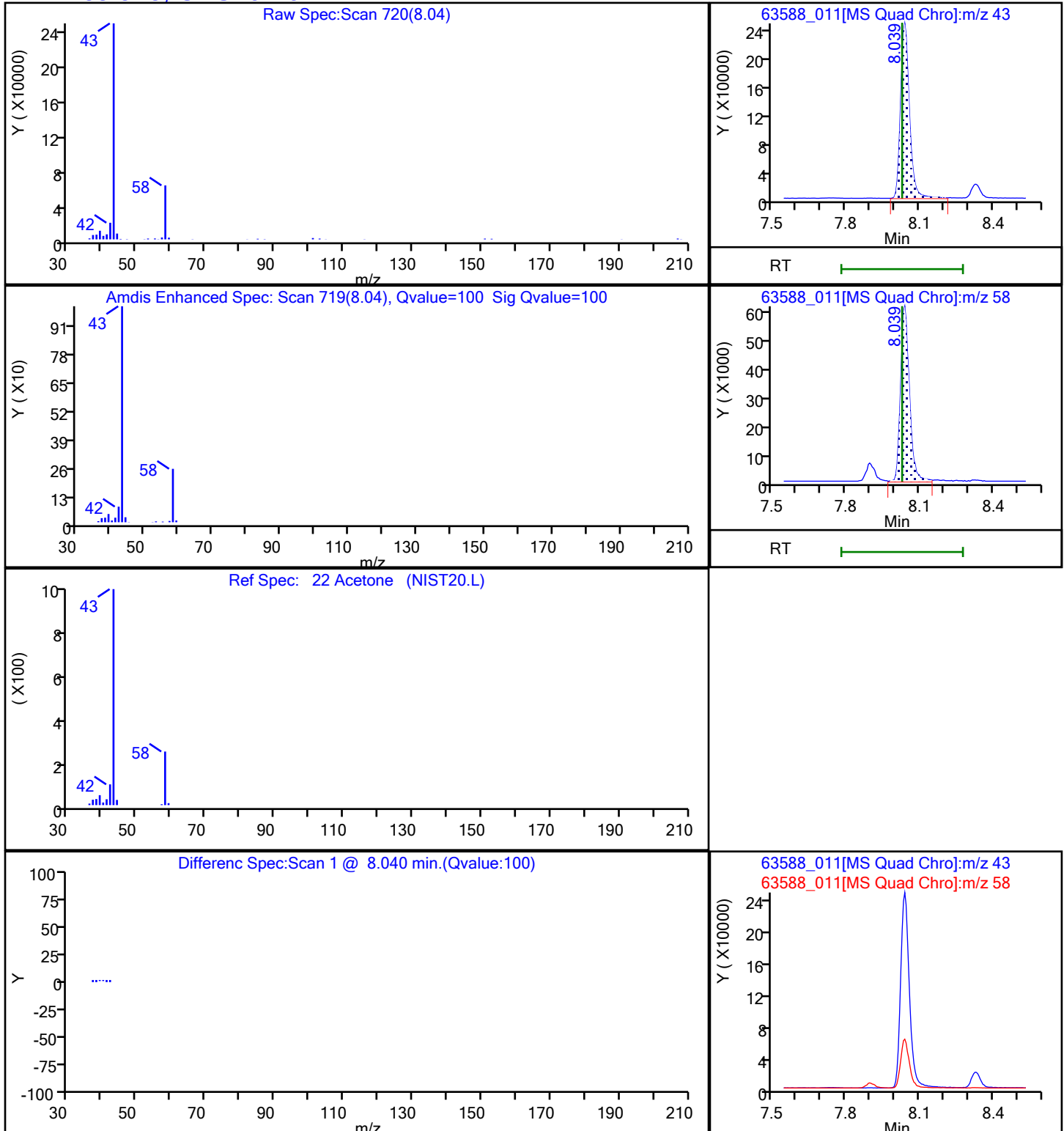
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

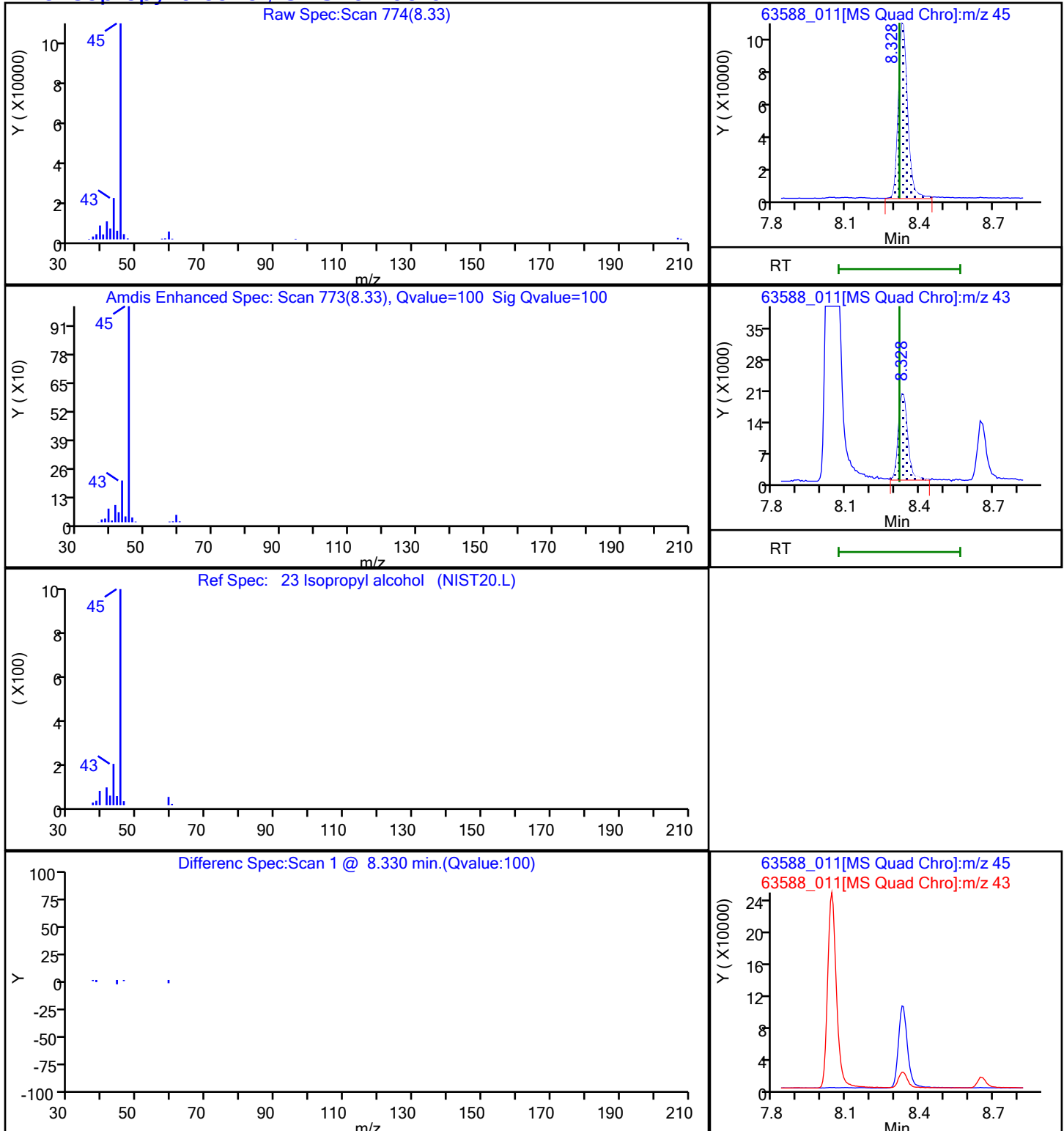
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Isopropyl alcohol, CAS: 67-63-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

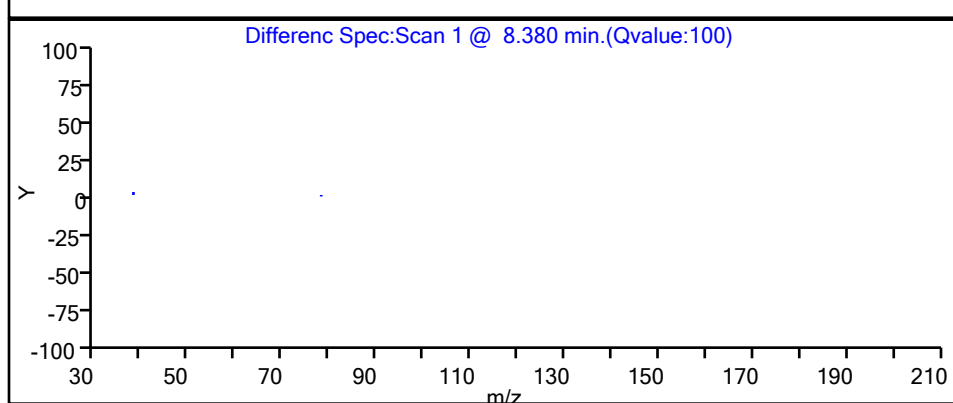
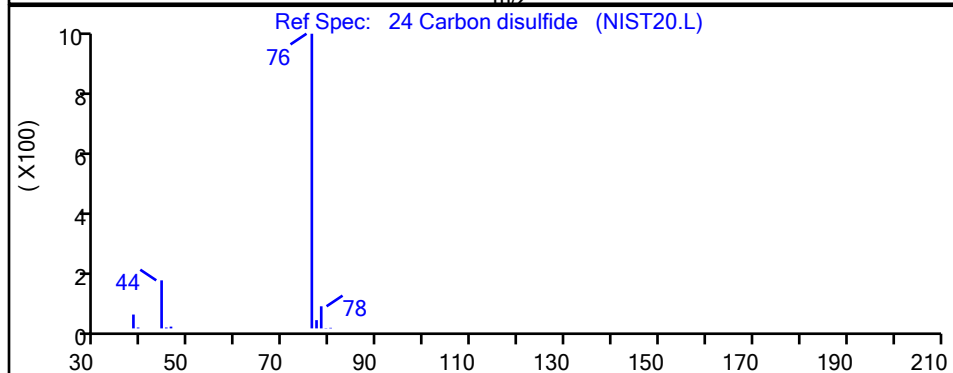
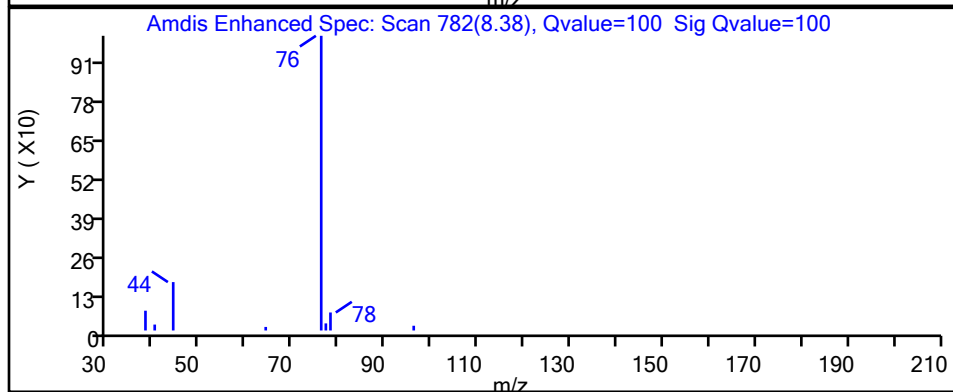
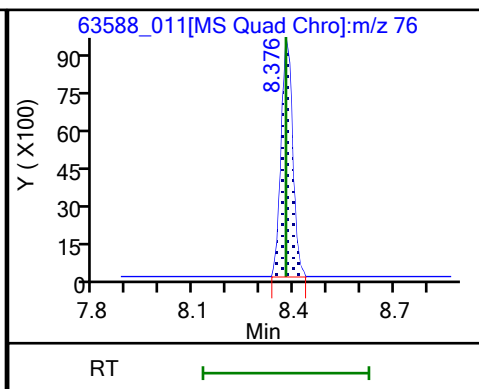
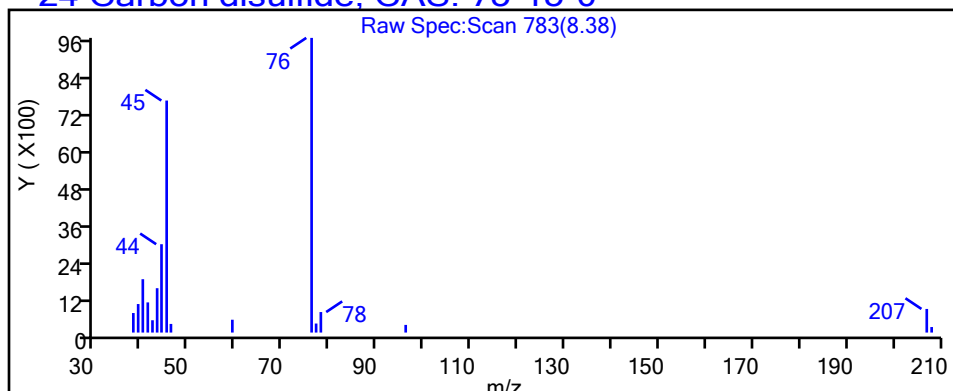
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

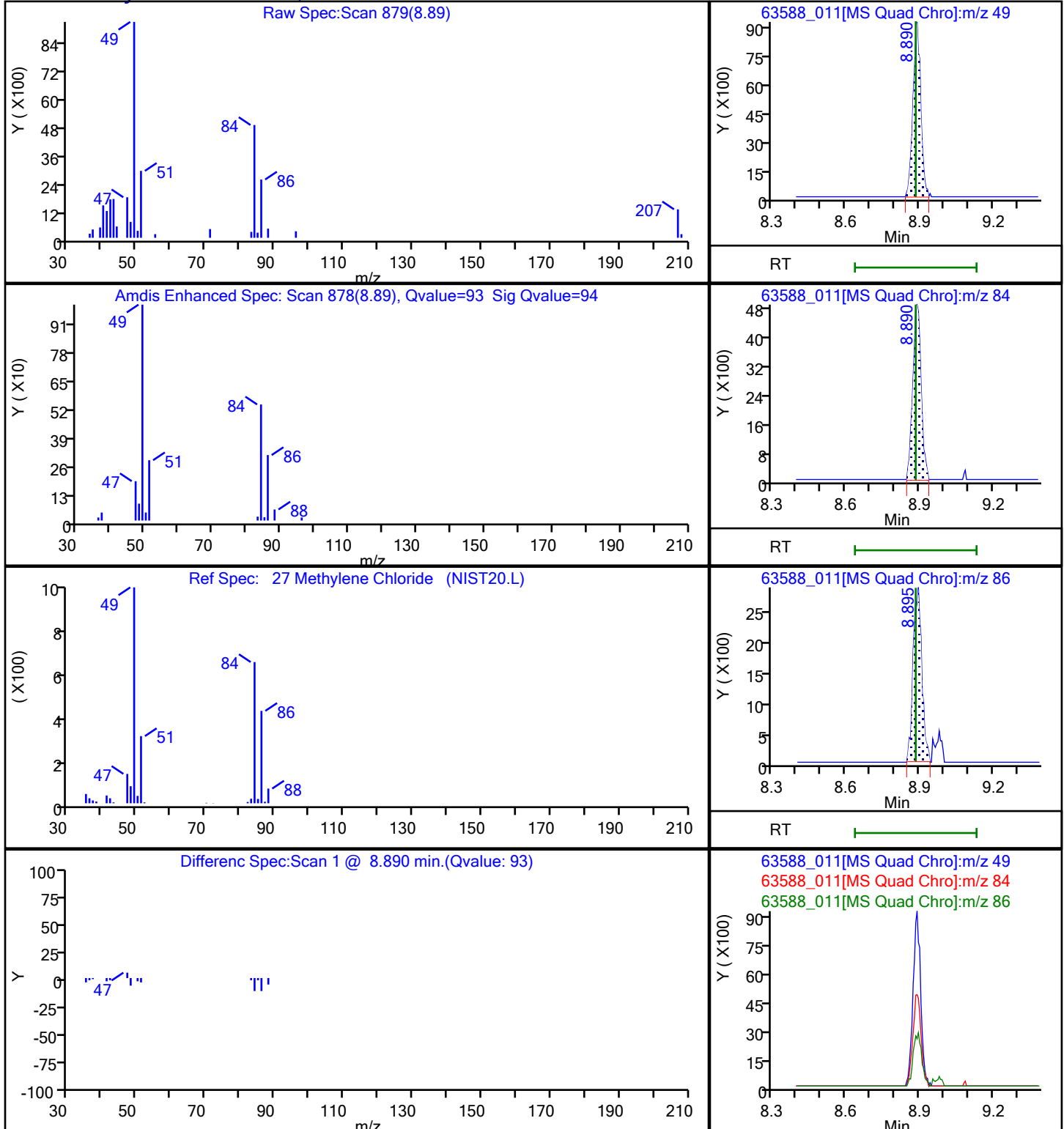
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

27 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

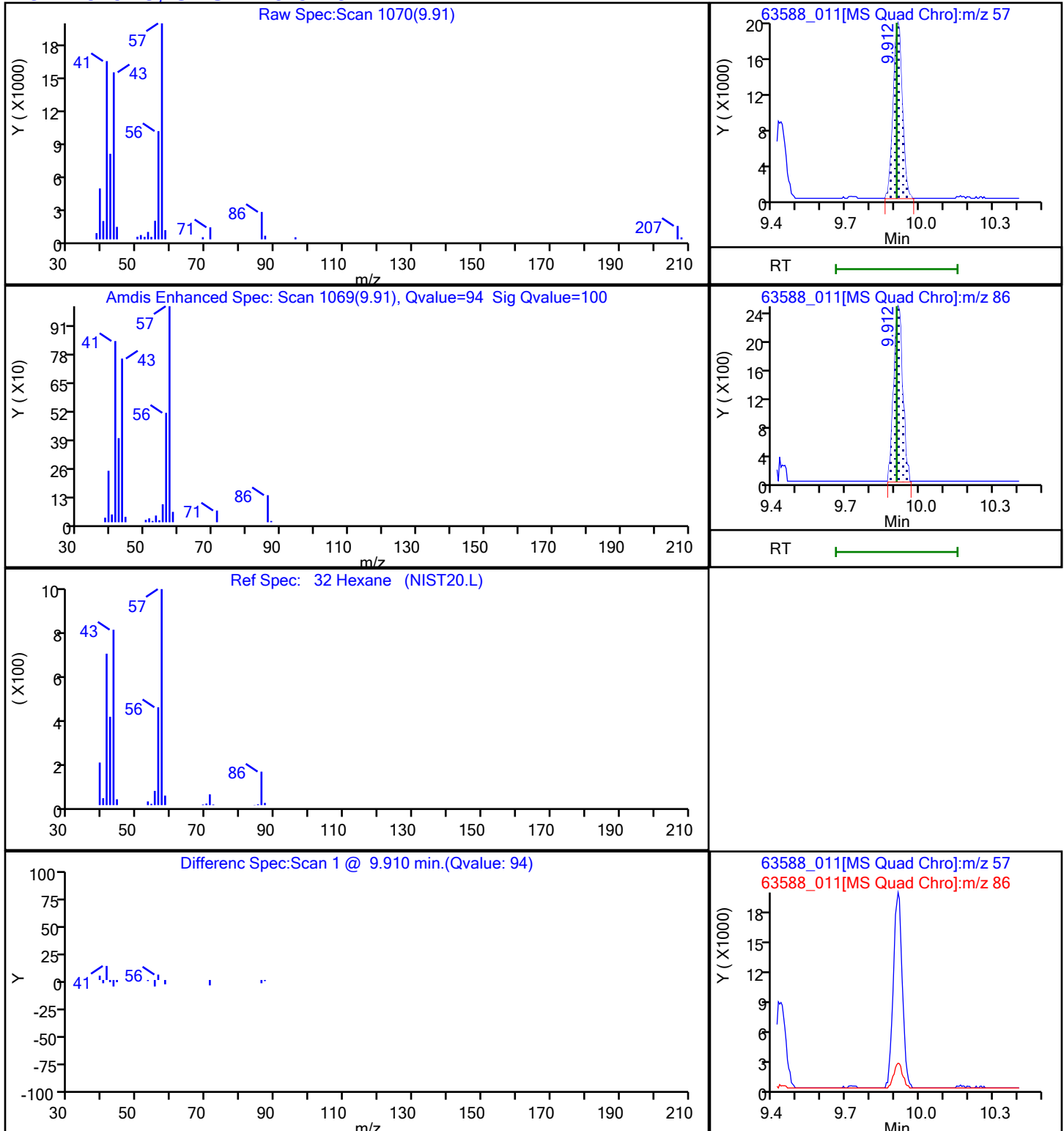
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

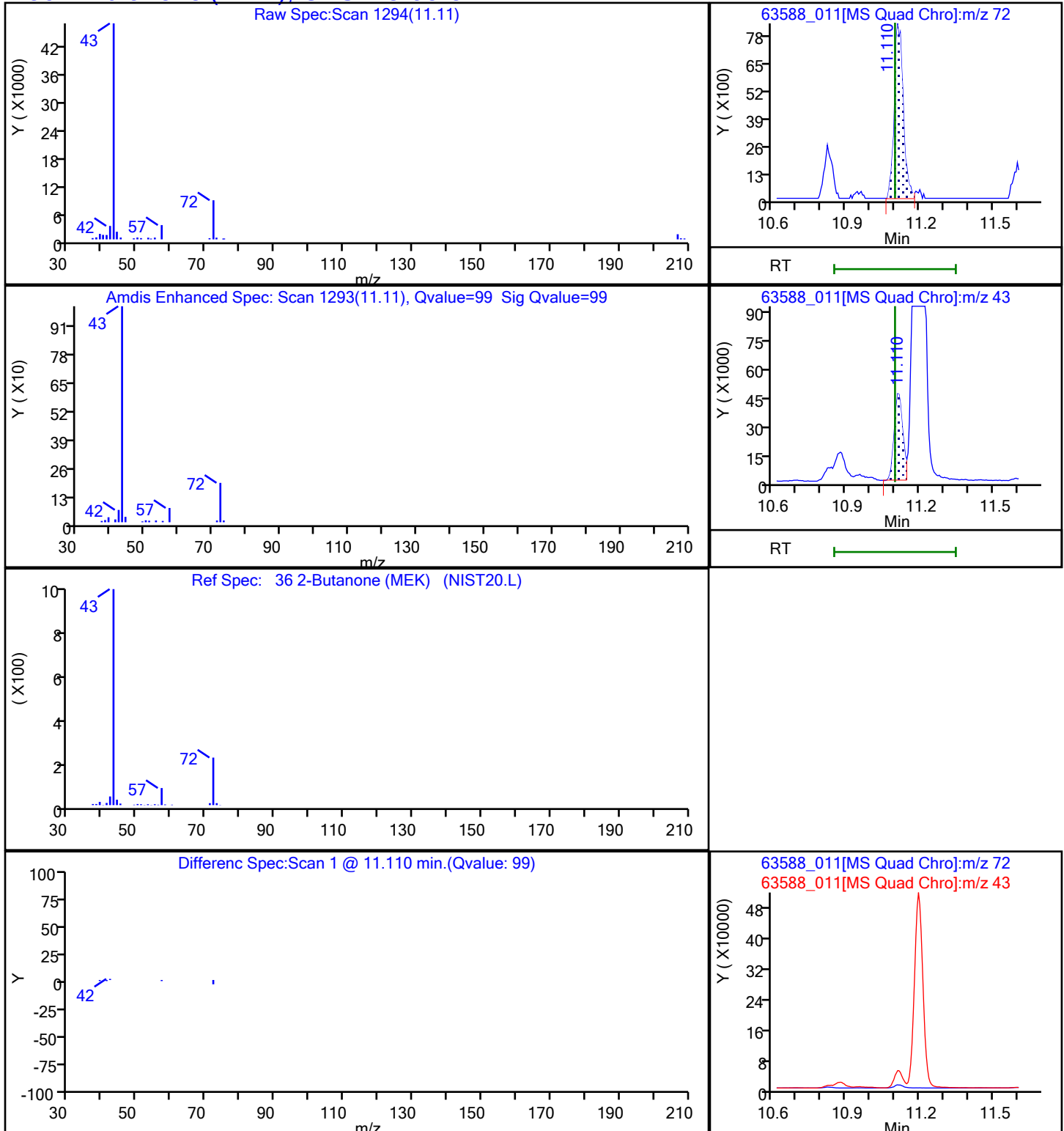
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

36 2-Butanone (MEK). CAS: 78-93-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

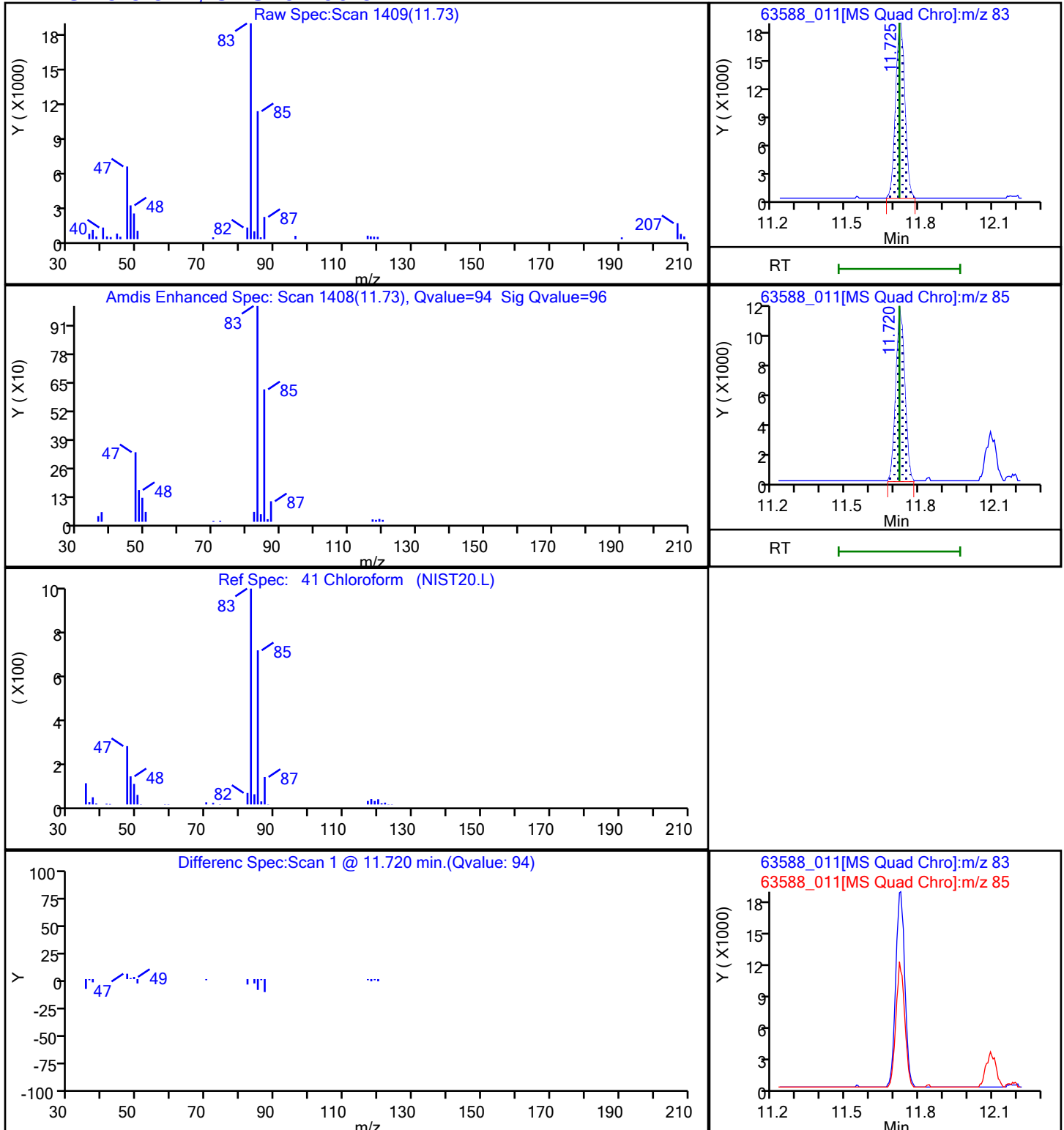
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

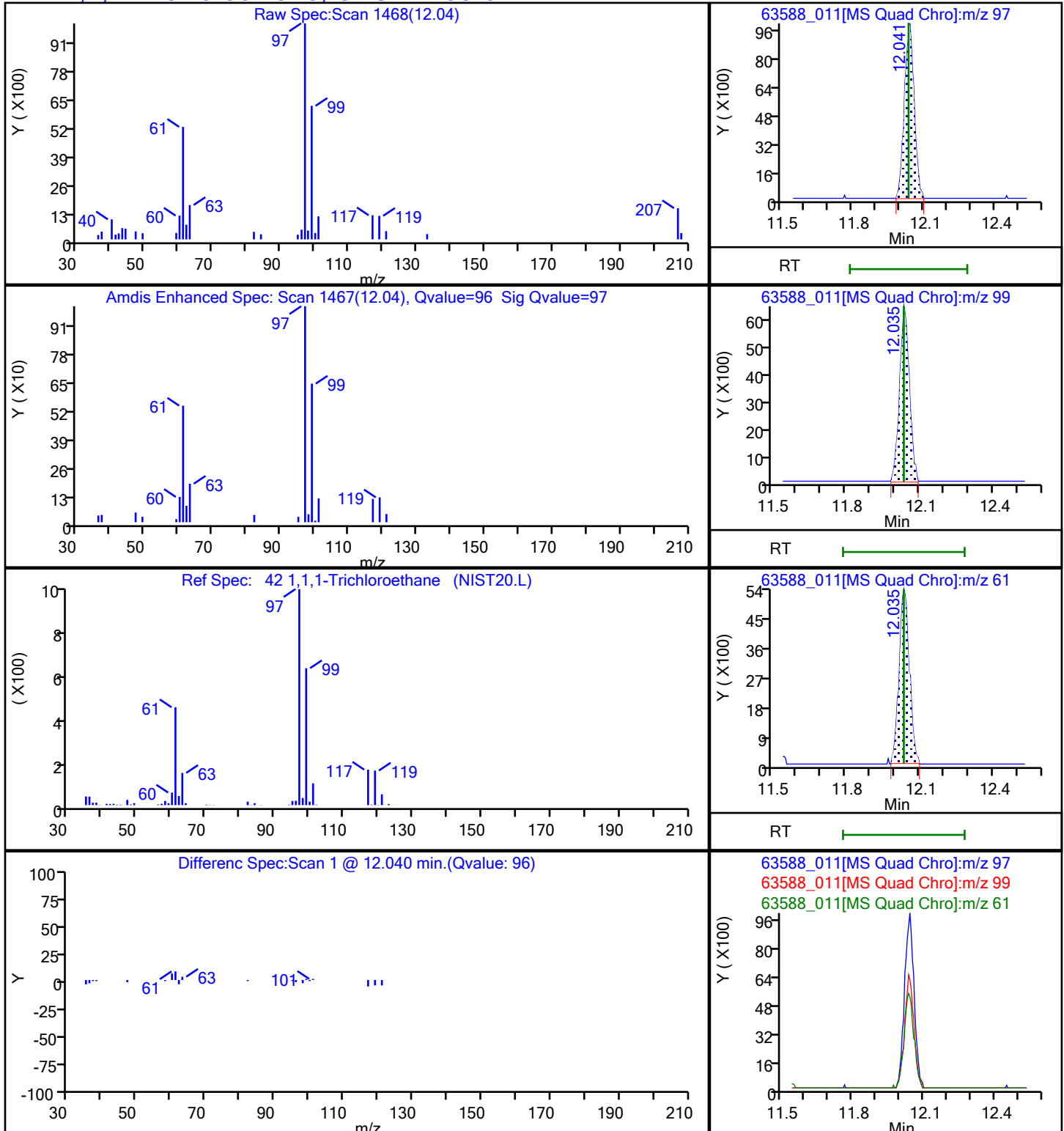
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

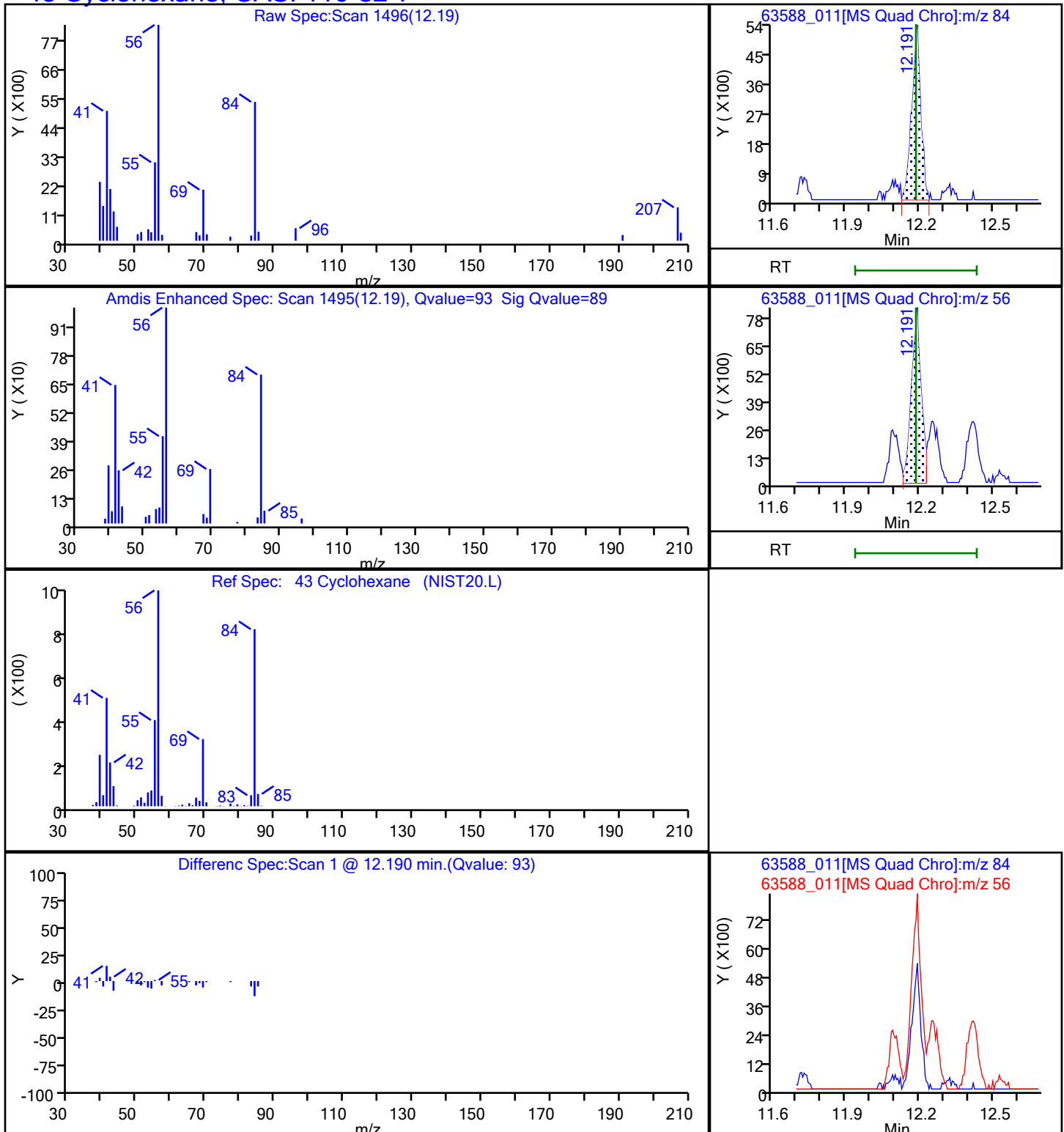
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

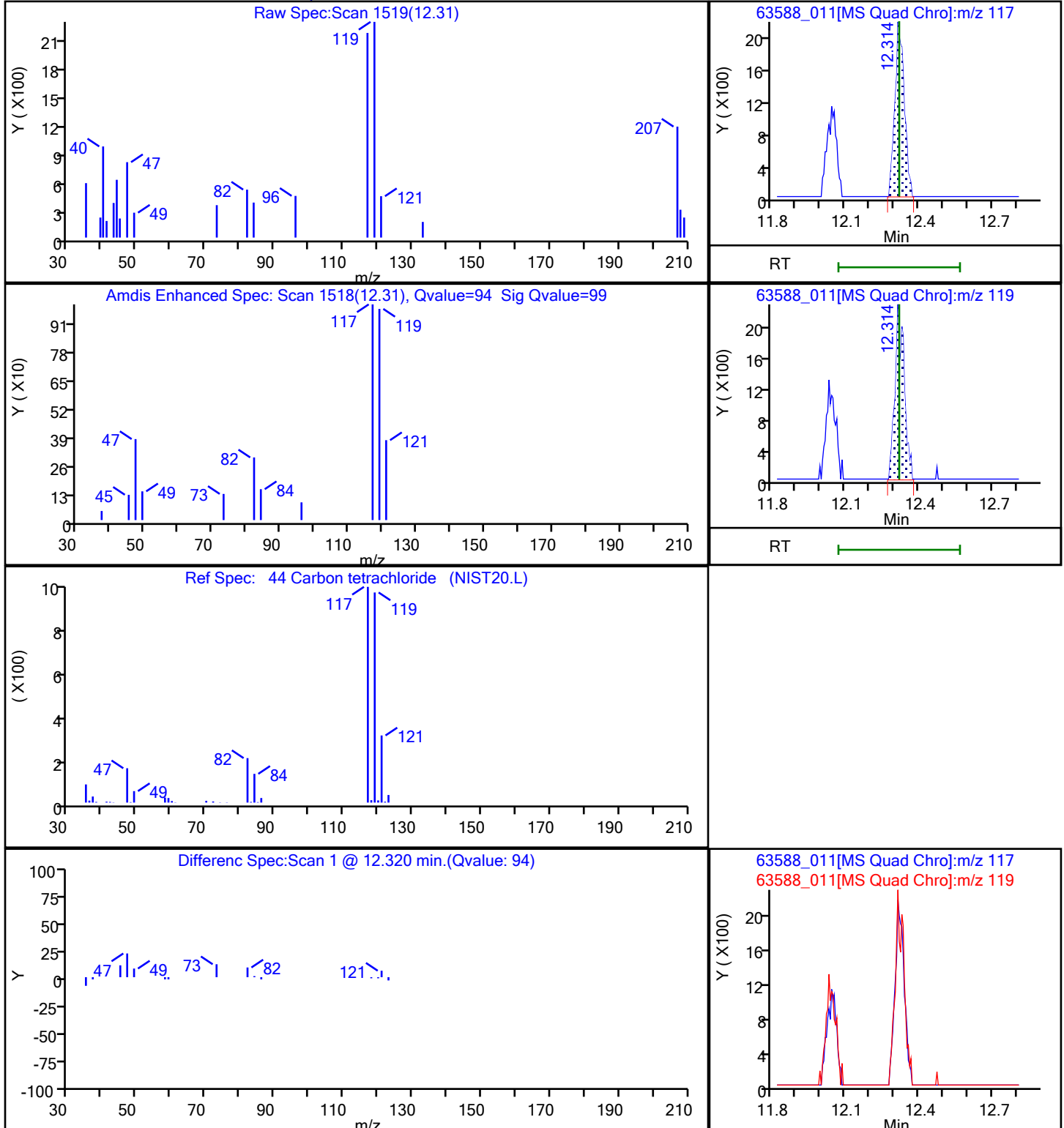
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Carbon tetrachloride, CAS: 56-23-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

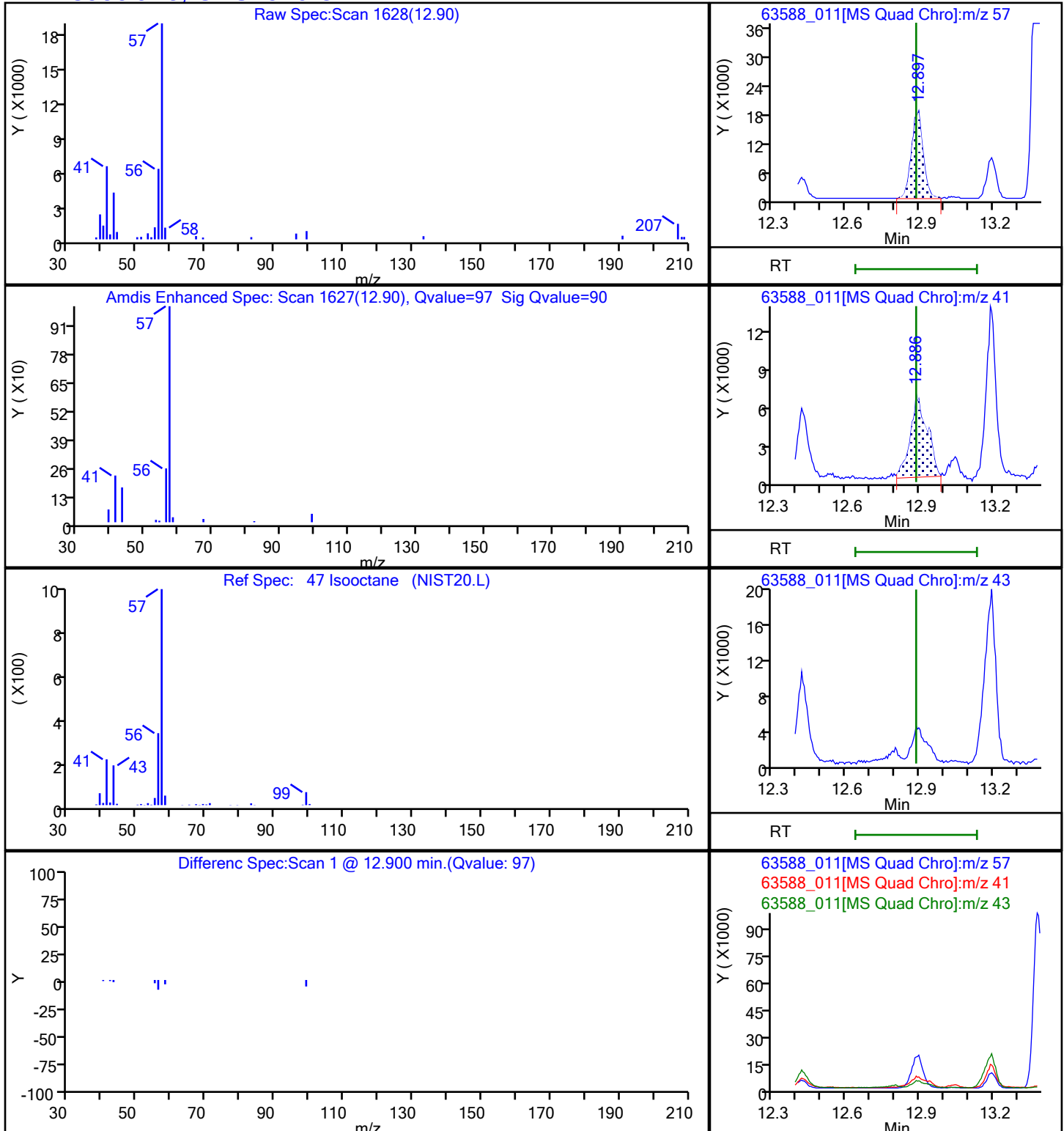
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

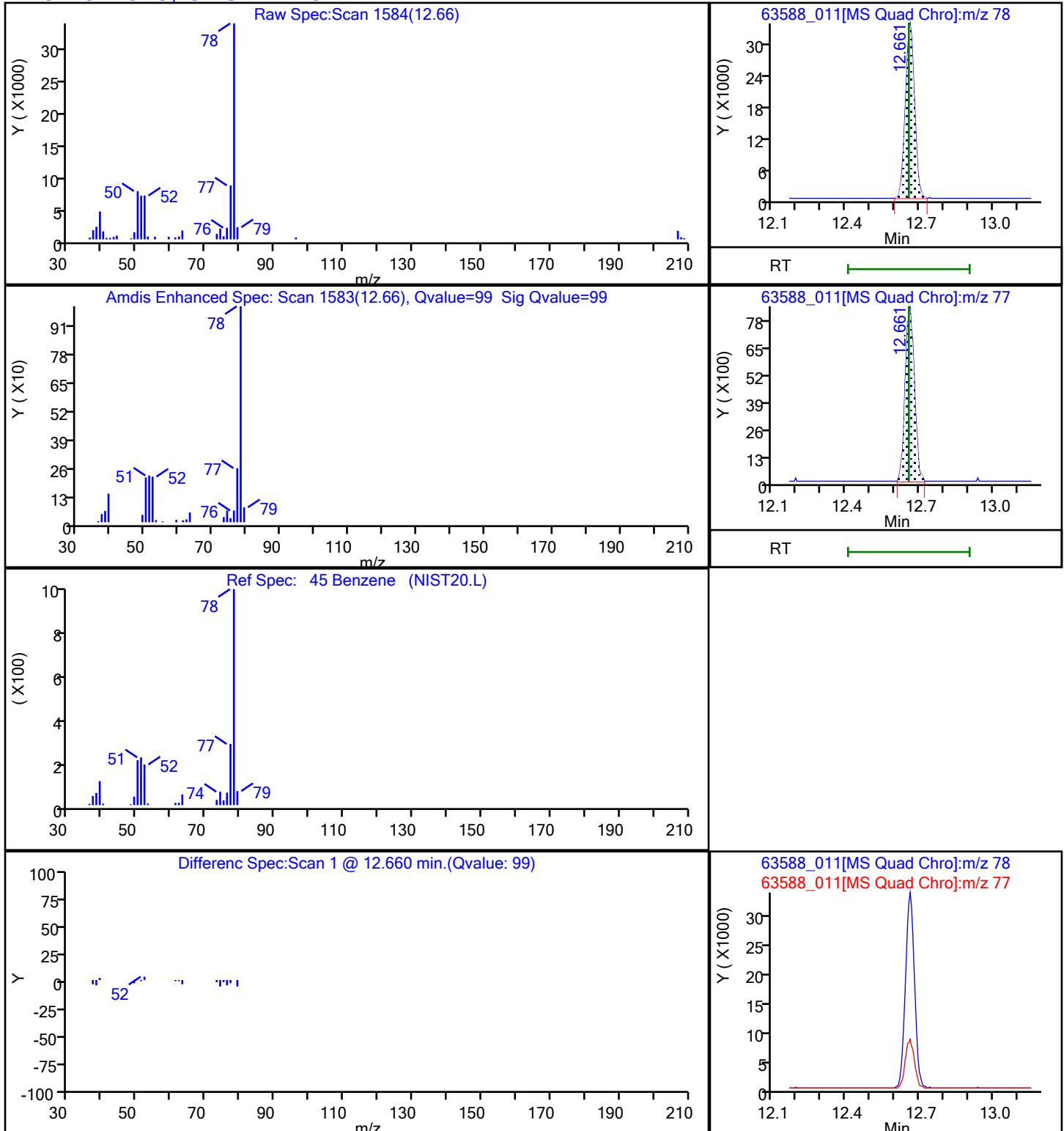
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

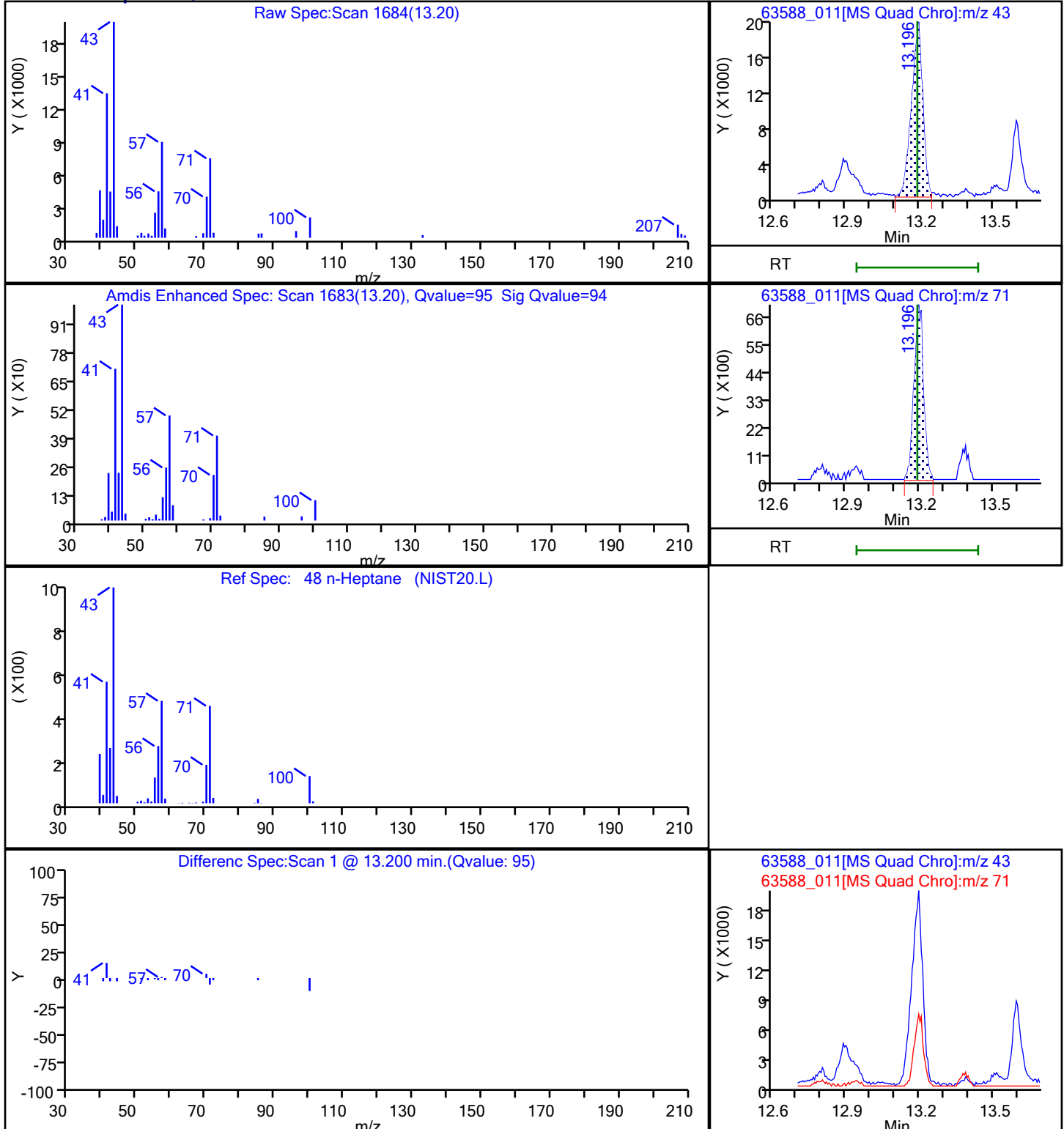
Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

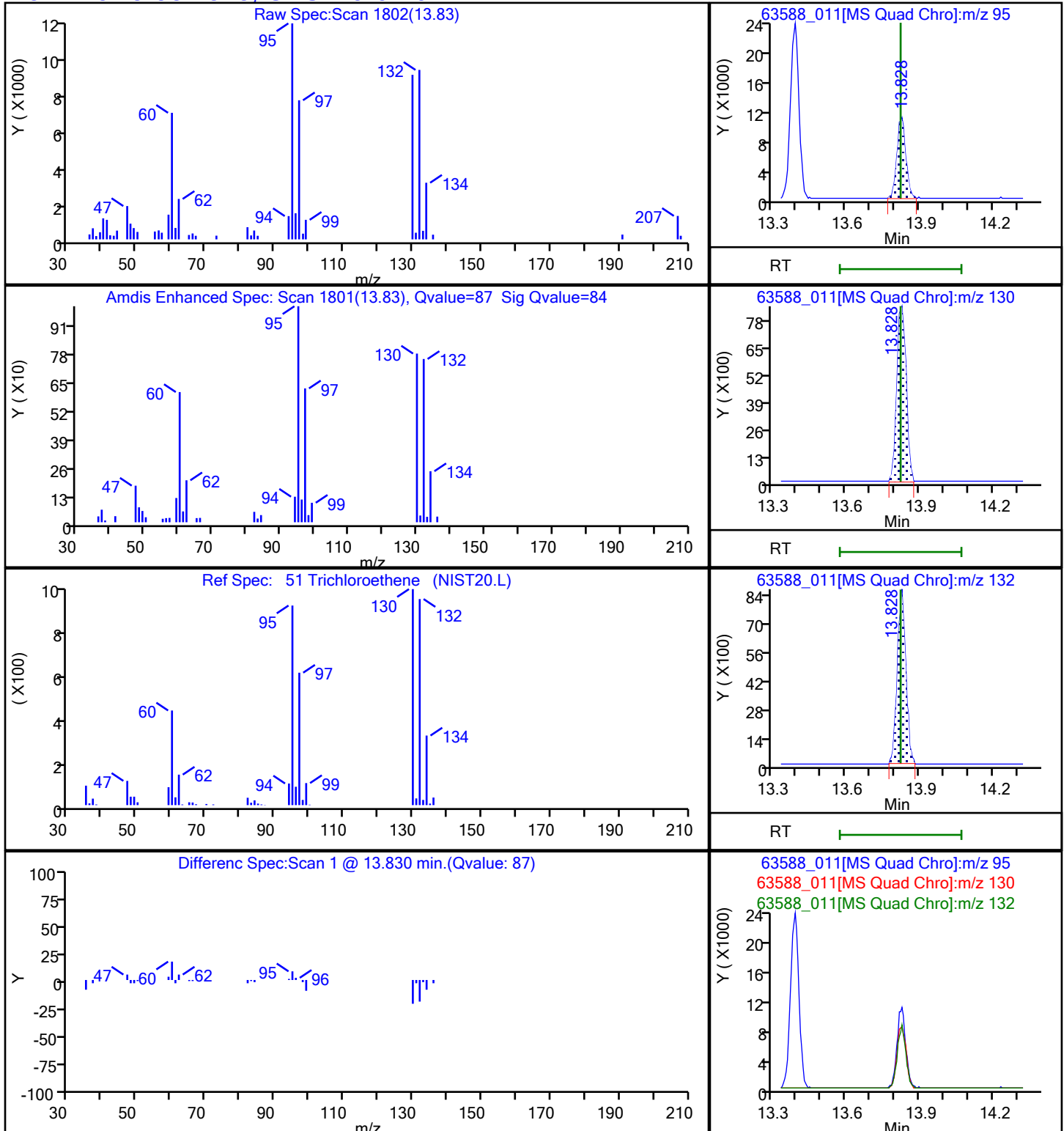
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

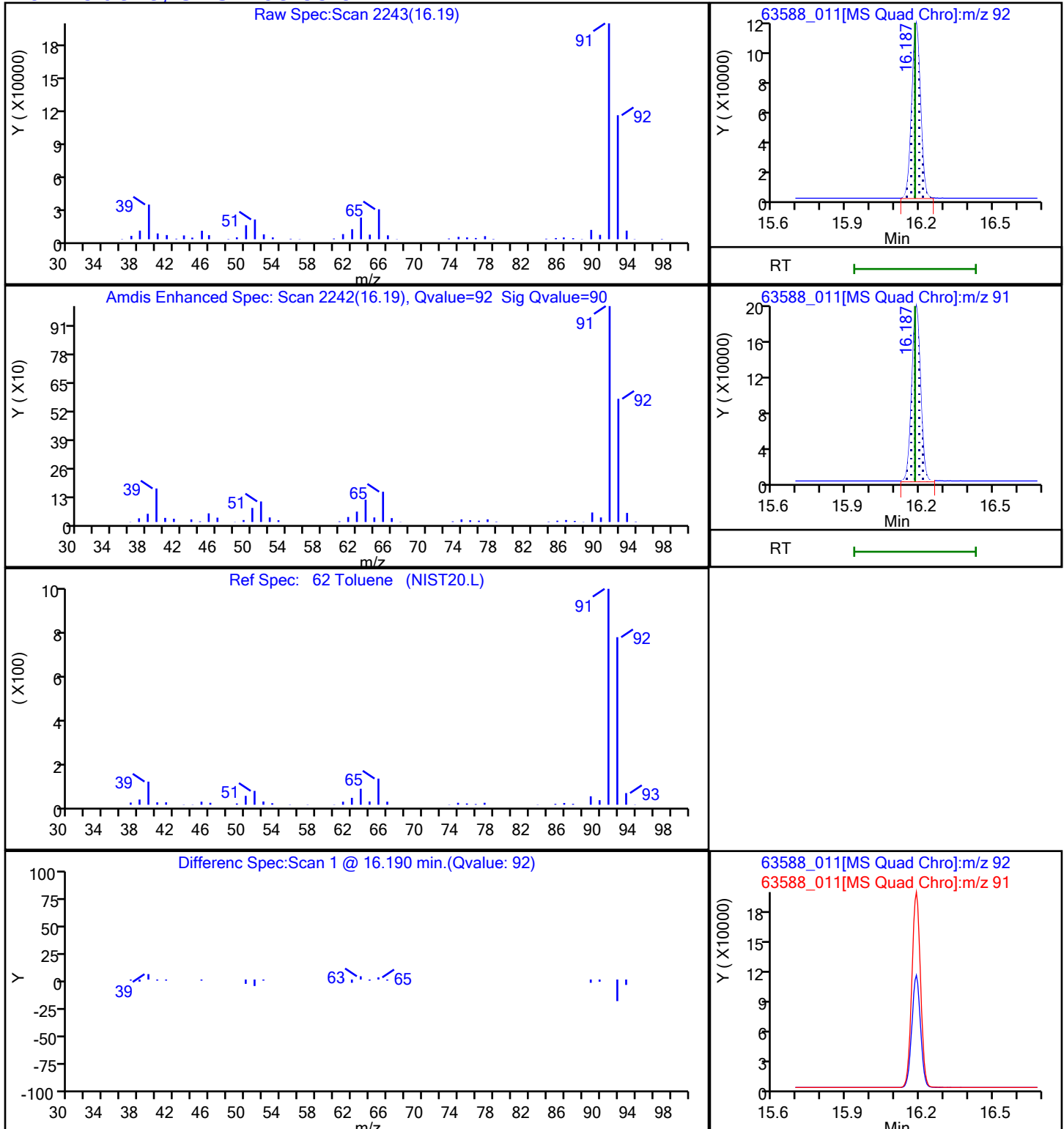
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

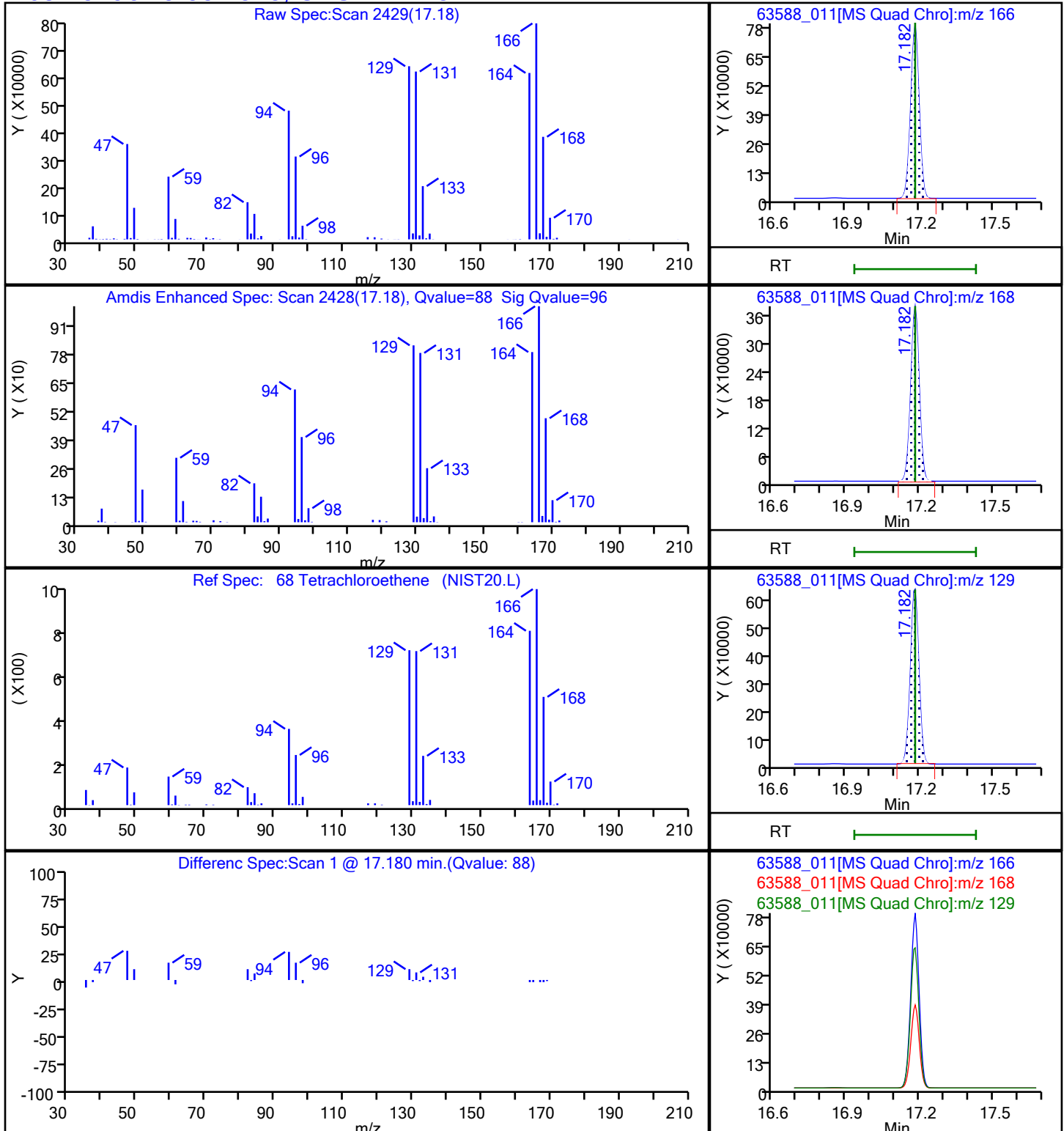
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

62 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

68 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

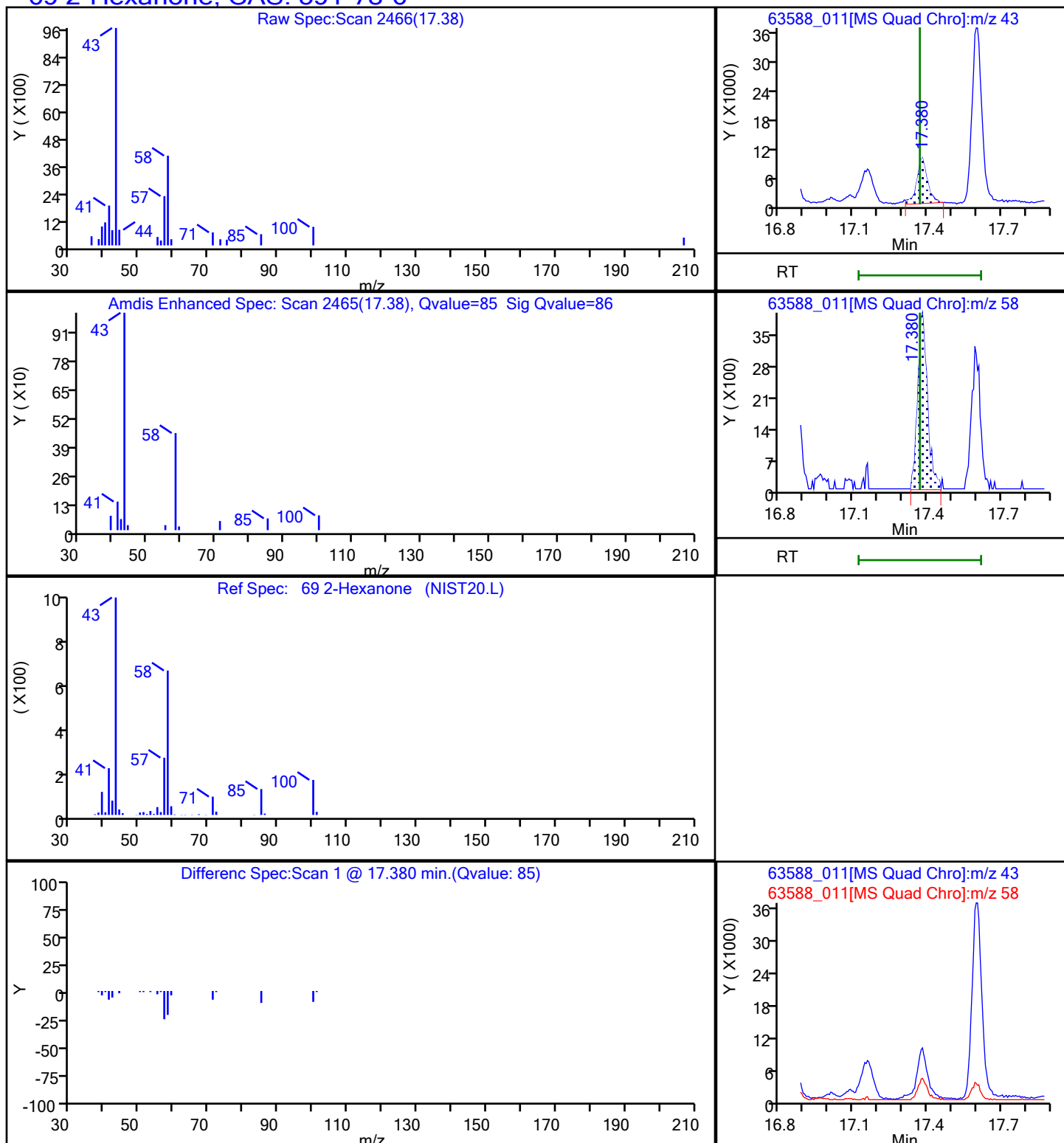
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

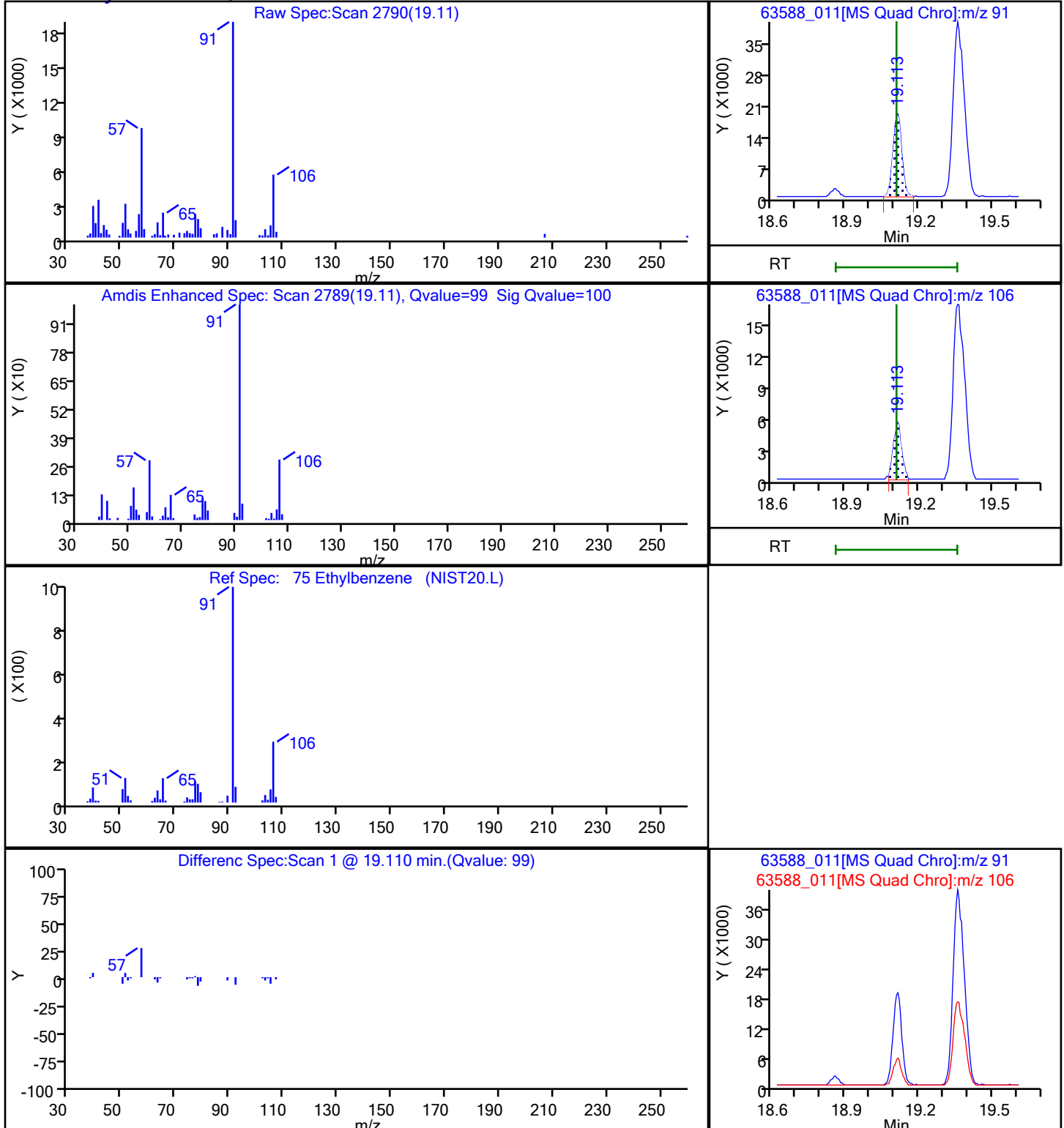
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

75 Ethylbenzene, CAS: 100-41-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

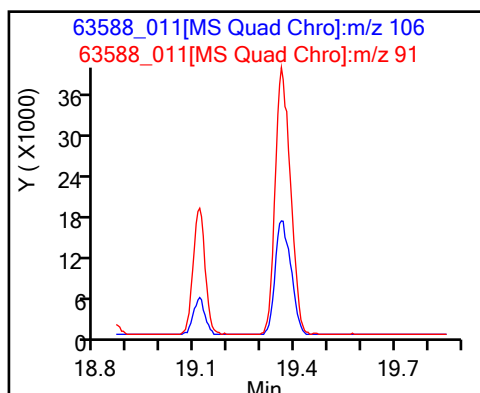
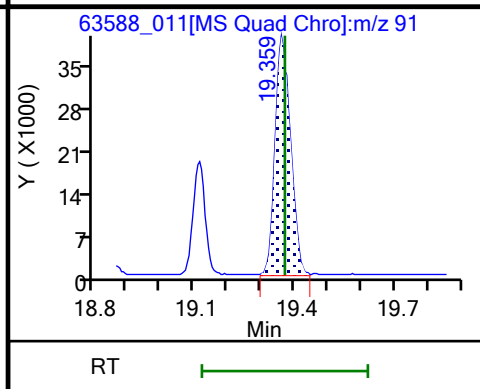
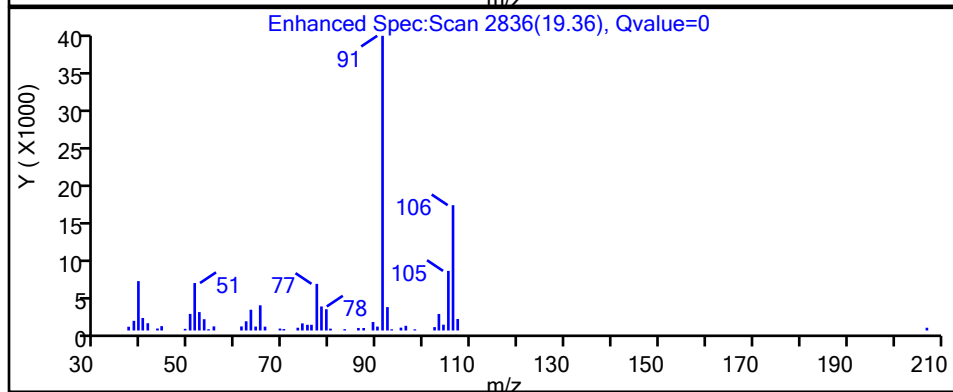
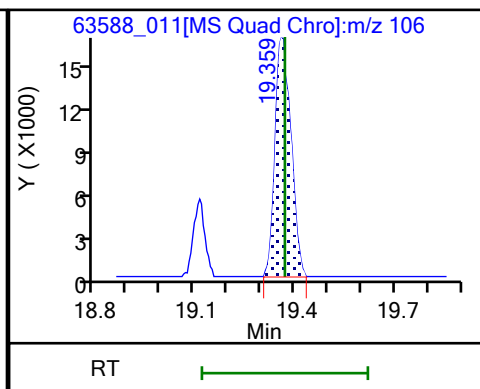
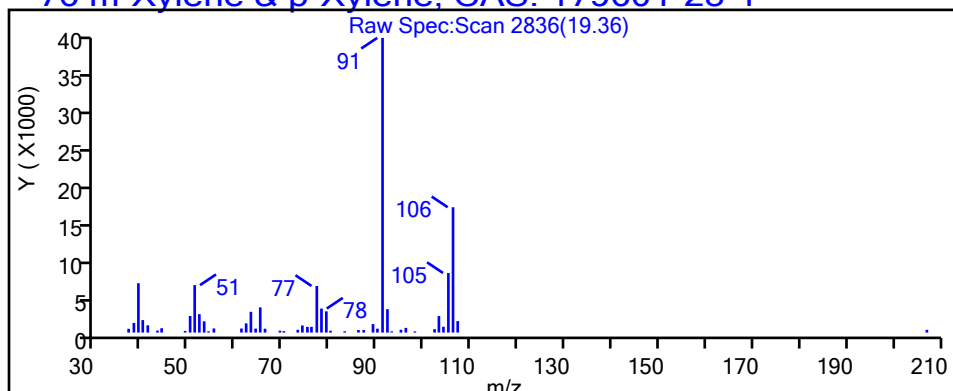
Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

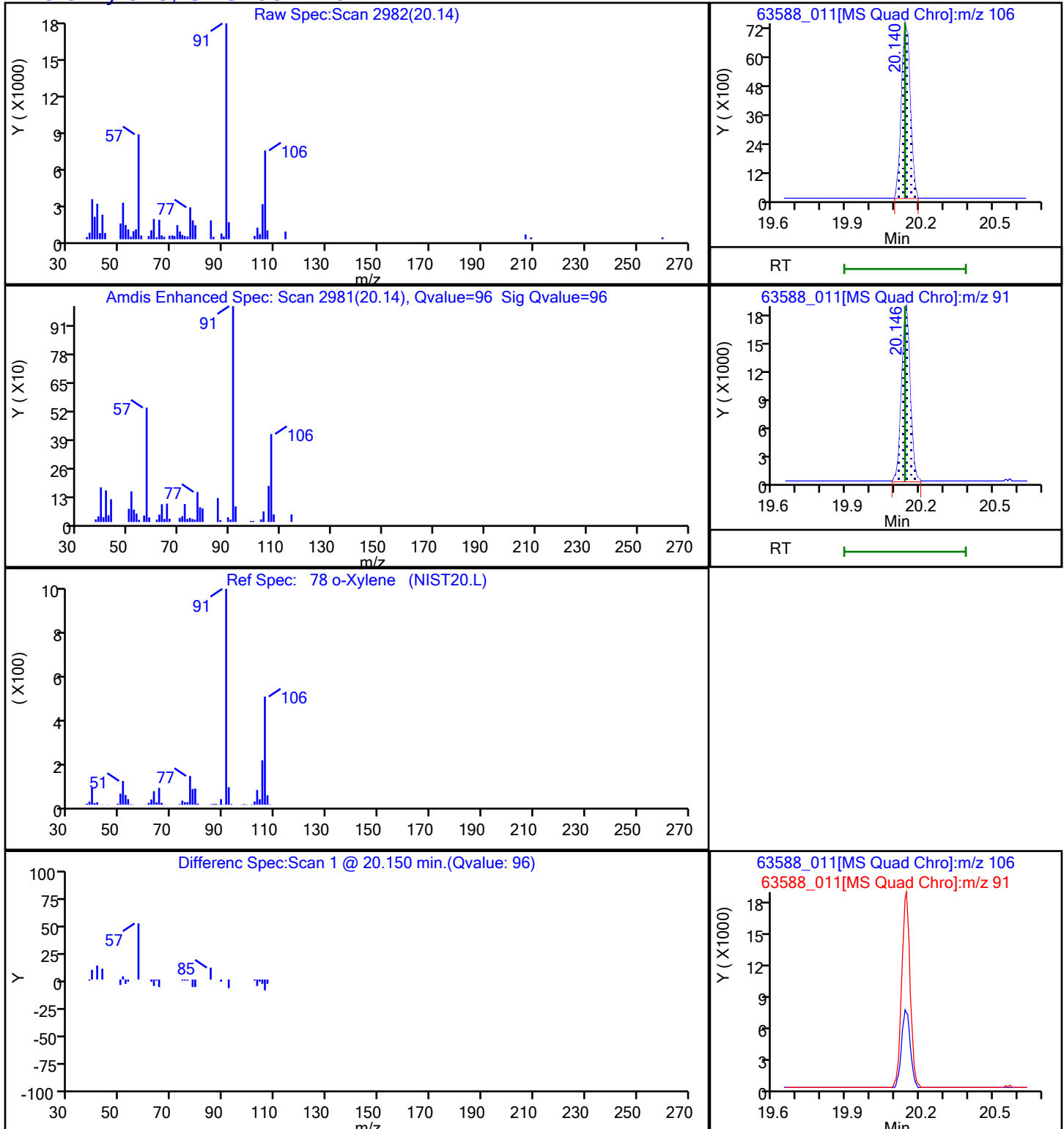
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 200.000 mL

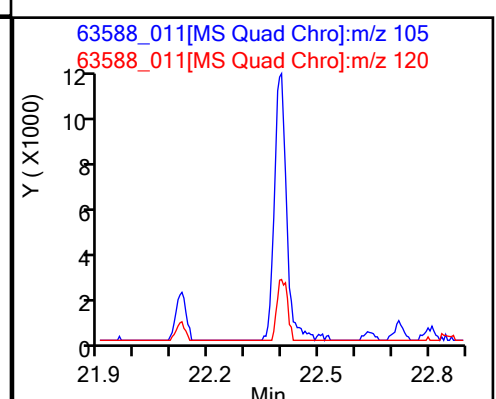
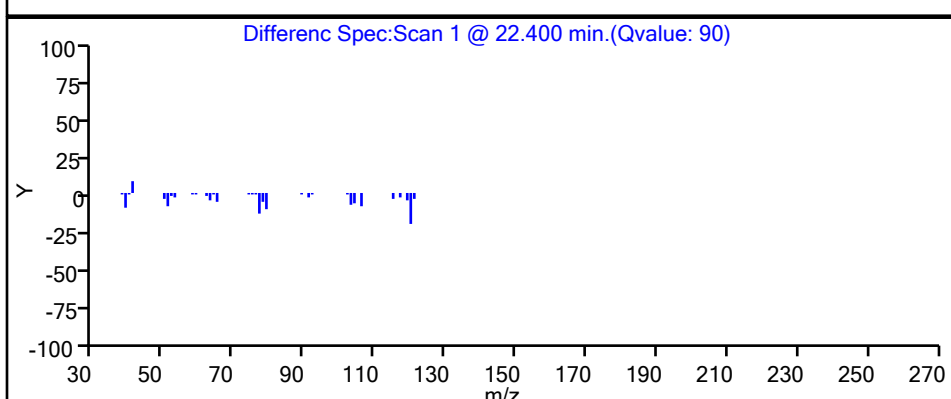
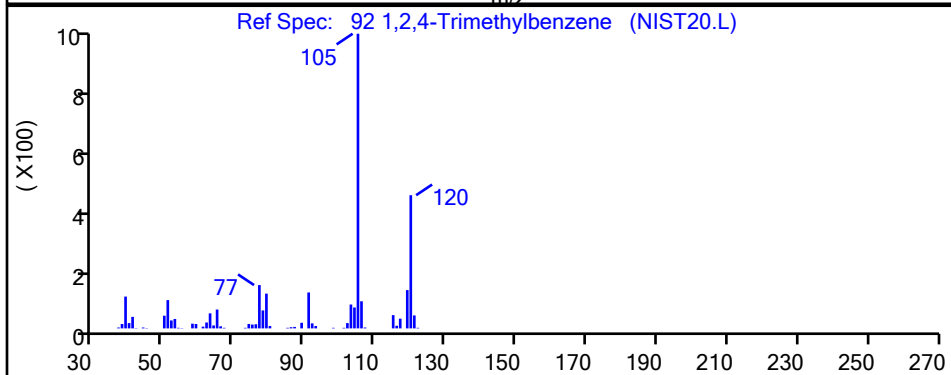
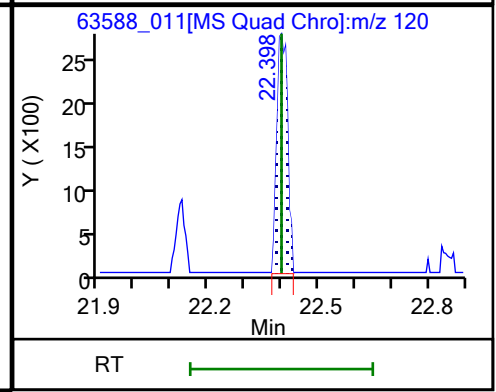
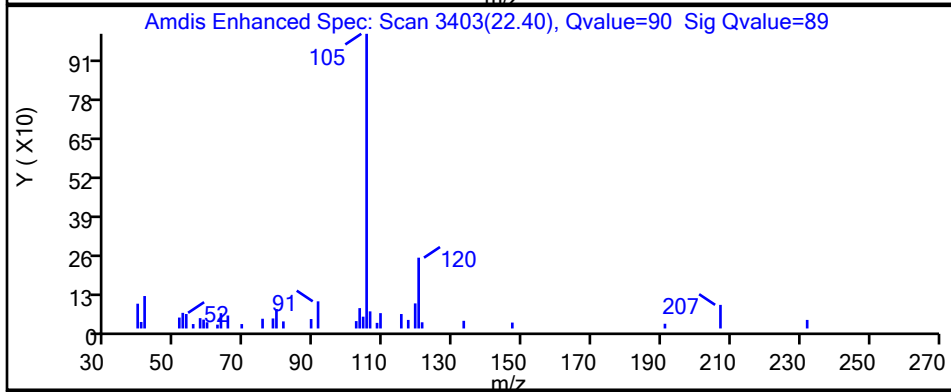
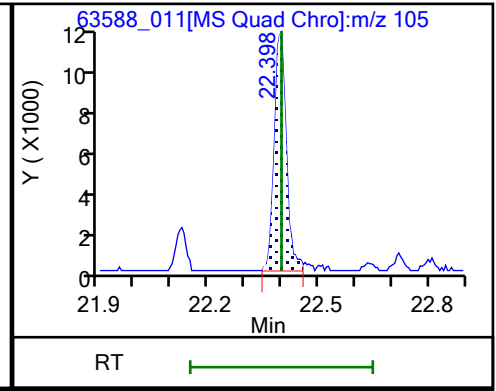
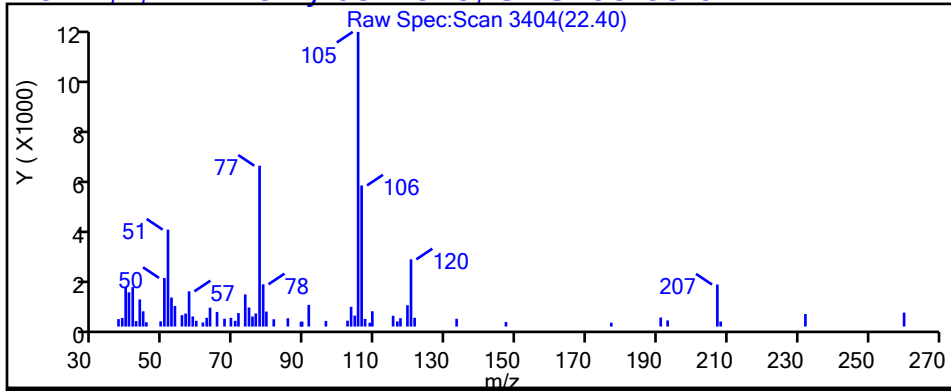
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

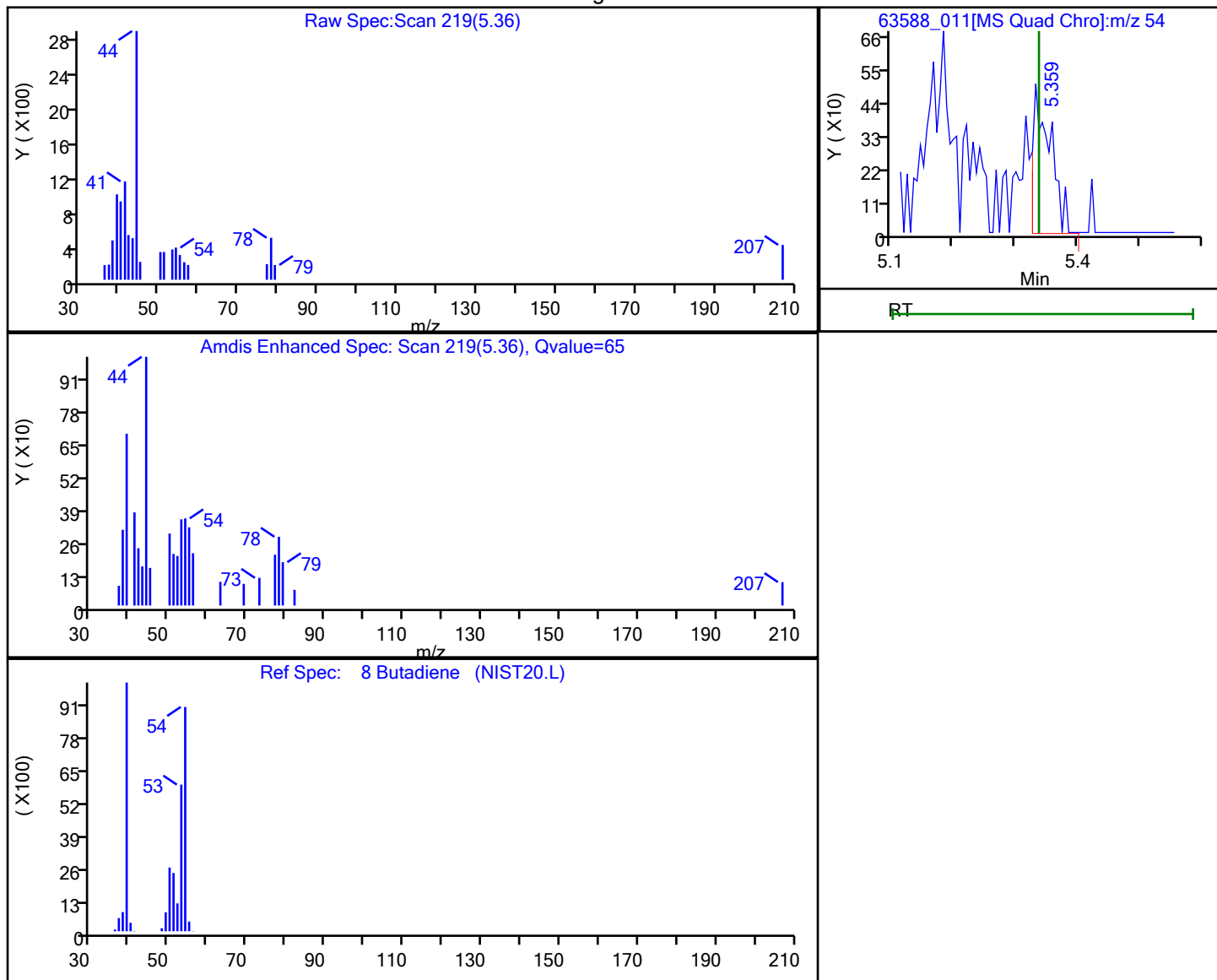
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.36	54.00	946	0.020881

Reviewer: YWL8, 07-Jan-2025 11:30:30 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

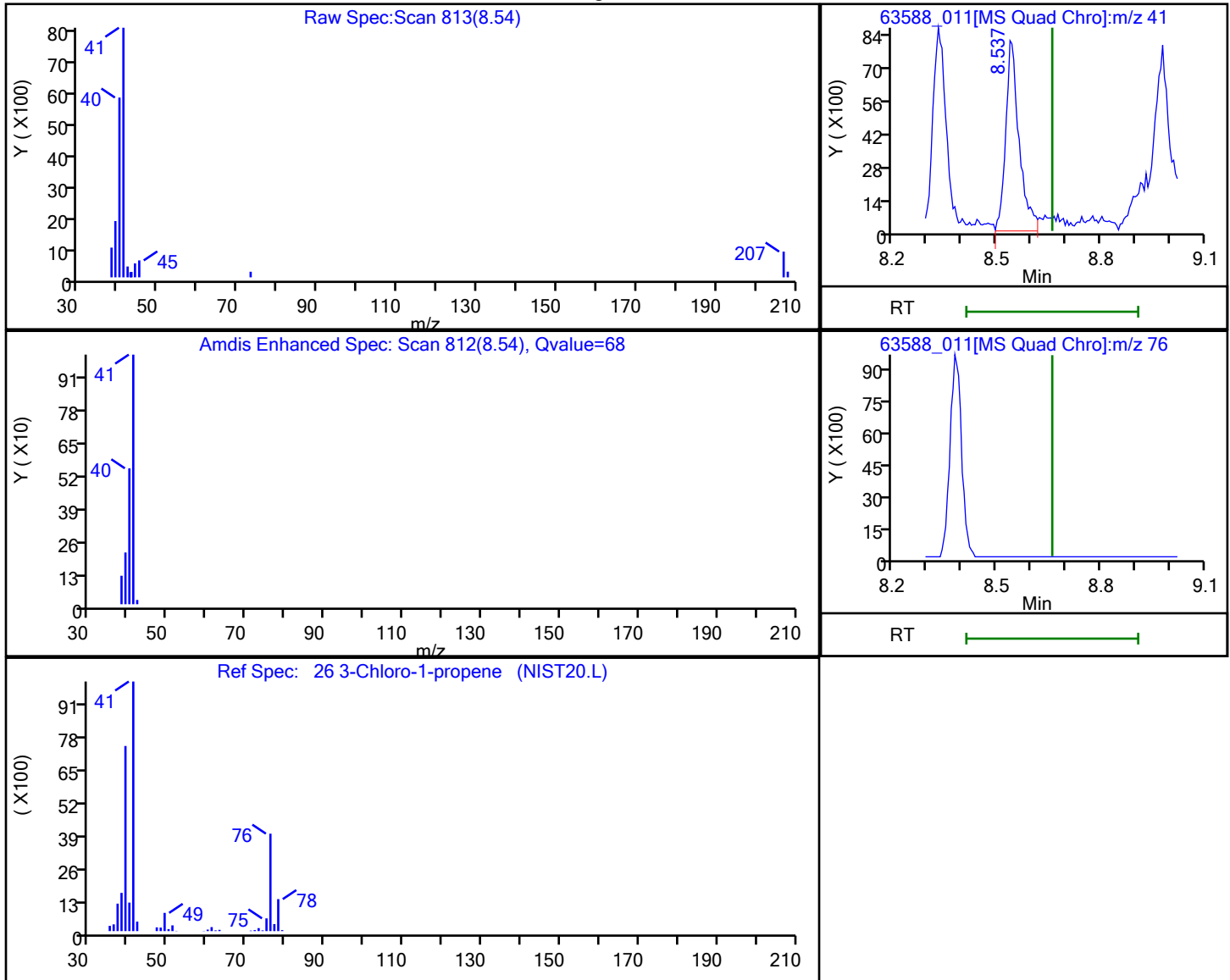
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



Reviewer: YWL8, 07-Jan-2025 11:31:44 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

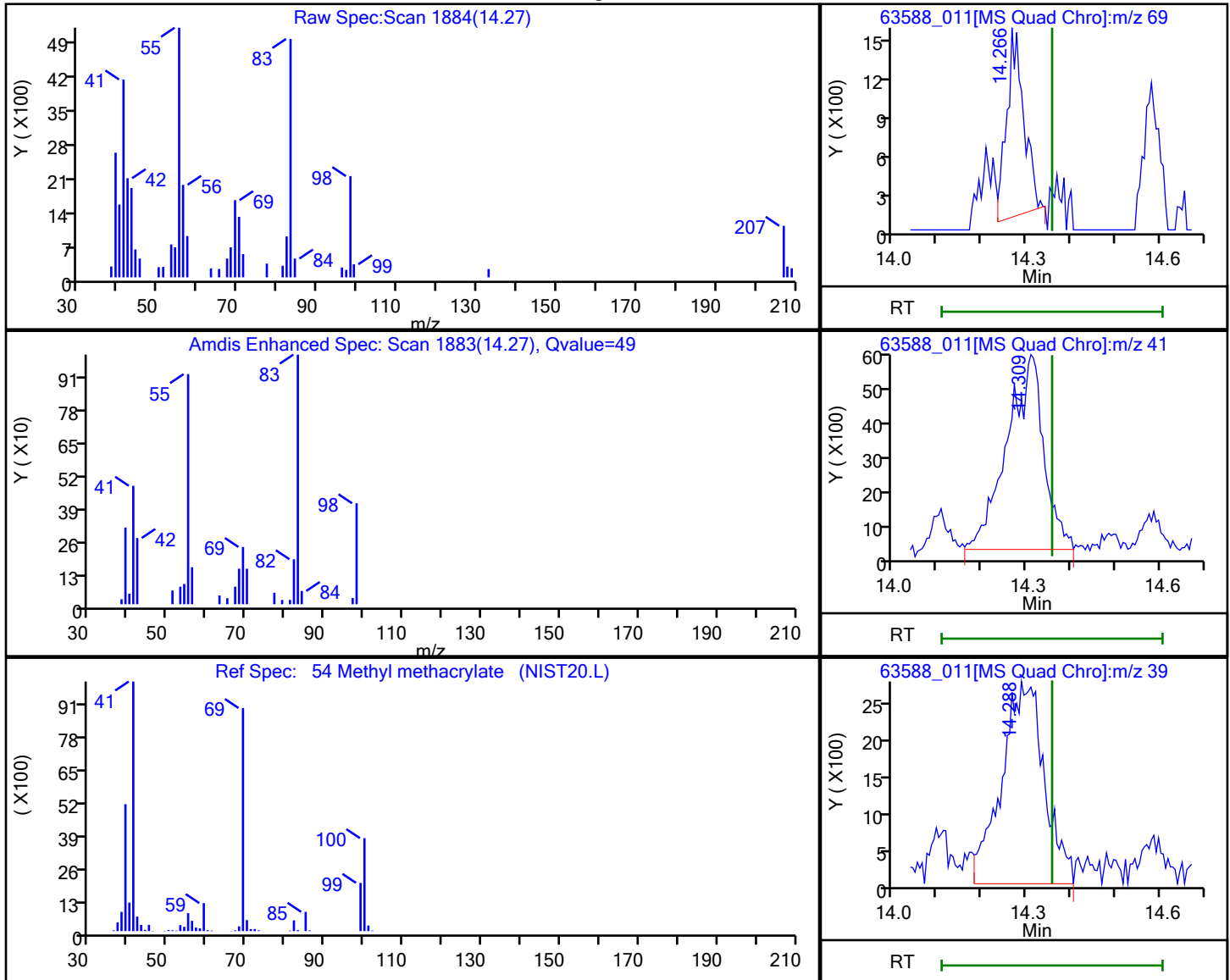
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.27	69.00	3999	0.065903
14.31	41.00	32927	
14.29	39.00	18249	

Reviewer: YWL8, 07-Jan-2025 11:35:17 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

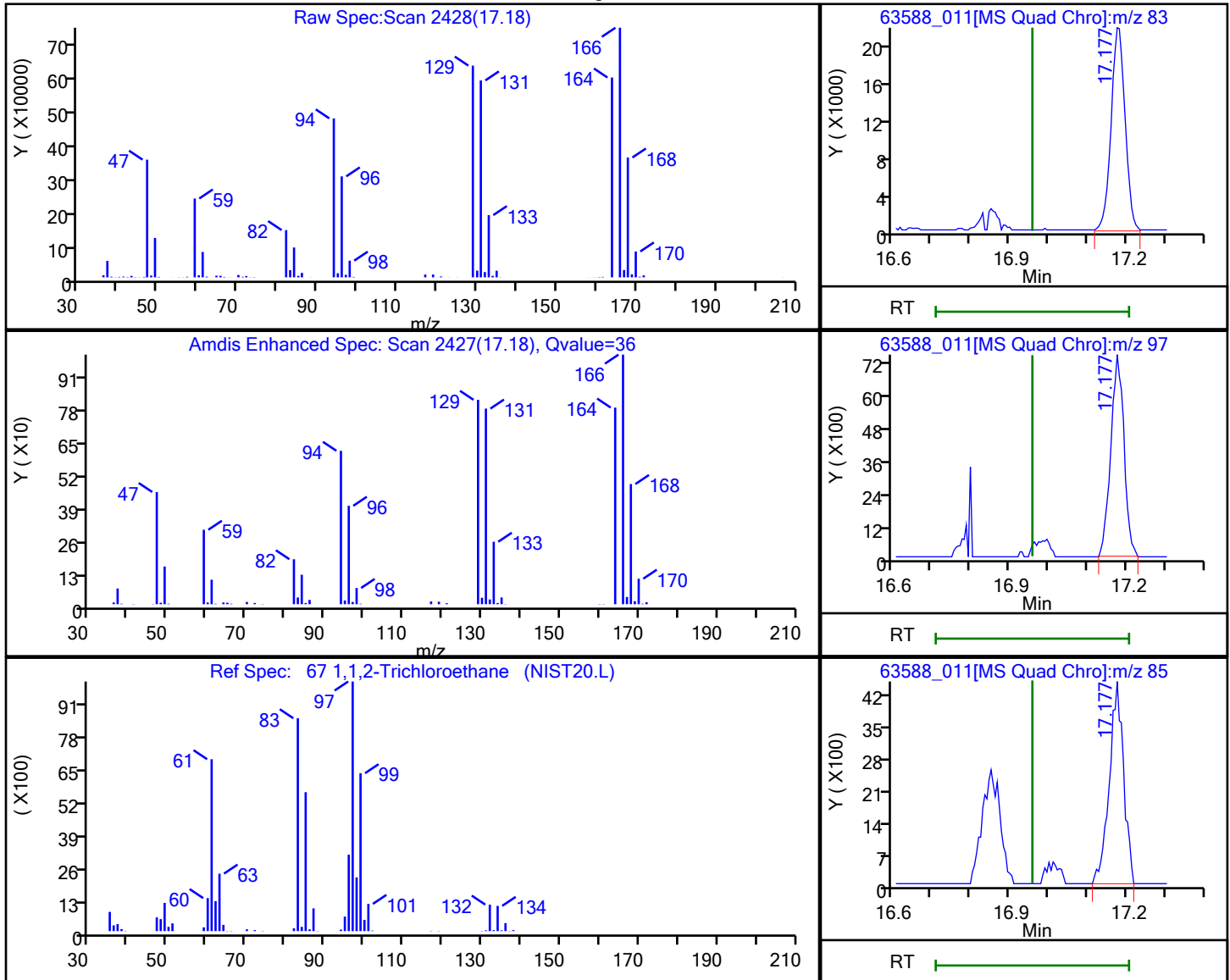
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.18	83.00	53683	0.866457
17.18	97.00	17696	
17.18	85.00	11357	

Reviewer: YWL8, 07-Jan-2025 11:39:13 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

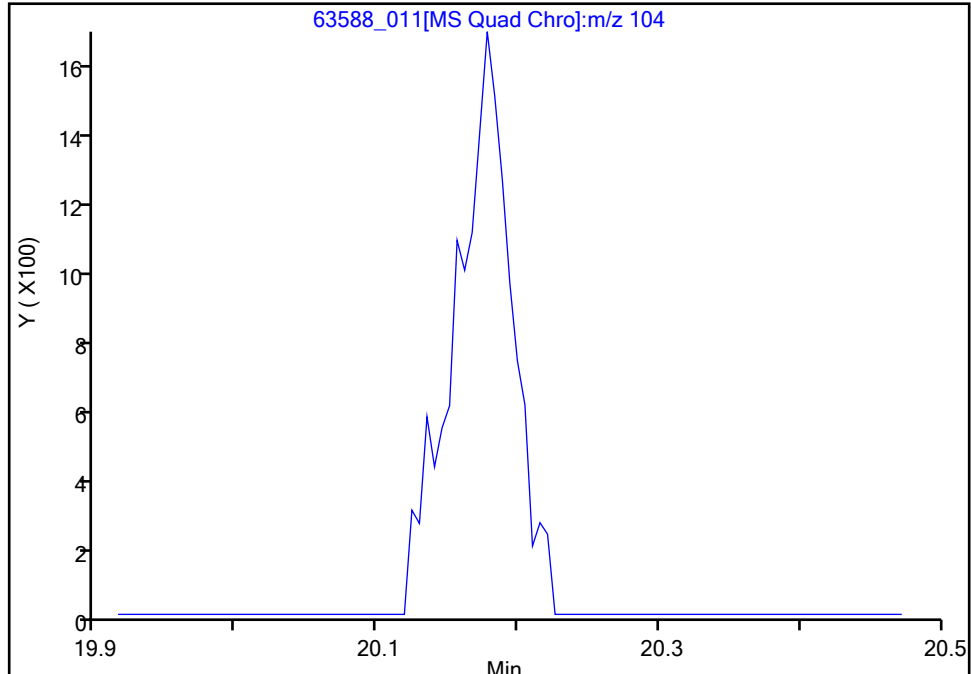
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D				
Injection Date:	06-Jan-2025 16:03:57	Instrument ID:	CHAN.i		
Lims ID:	200-76392-A-7	Lab Sample ID:	200-76392-7		
Client ID:	SV122024KT007				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. 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

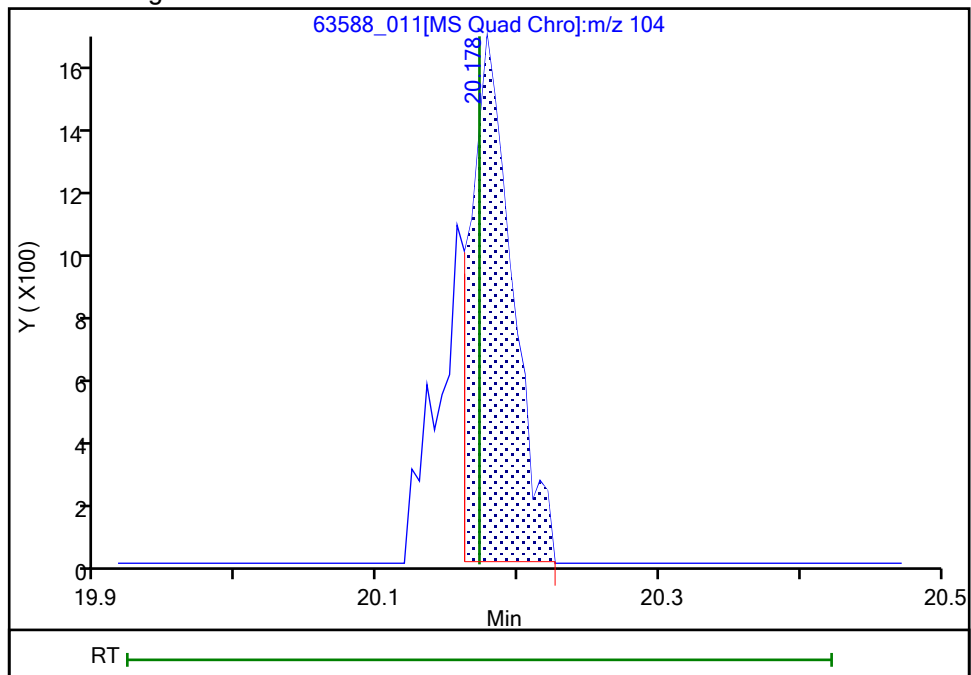
Signal: 1

Not Detected
Expected RT: 20.17

Processing Integration Results

RT: 20.18
Area: 3479
Amount: 0.024507
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 07-Jan-2025 11:41:05 07:00:00 (UTC)

Audit Action: Manually Integrated

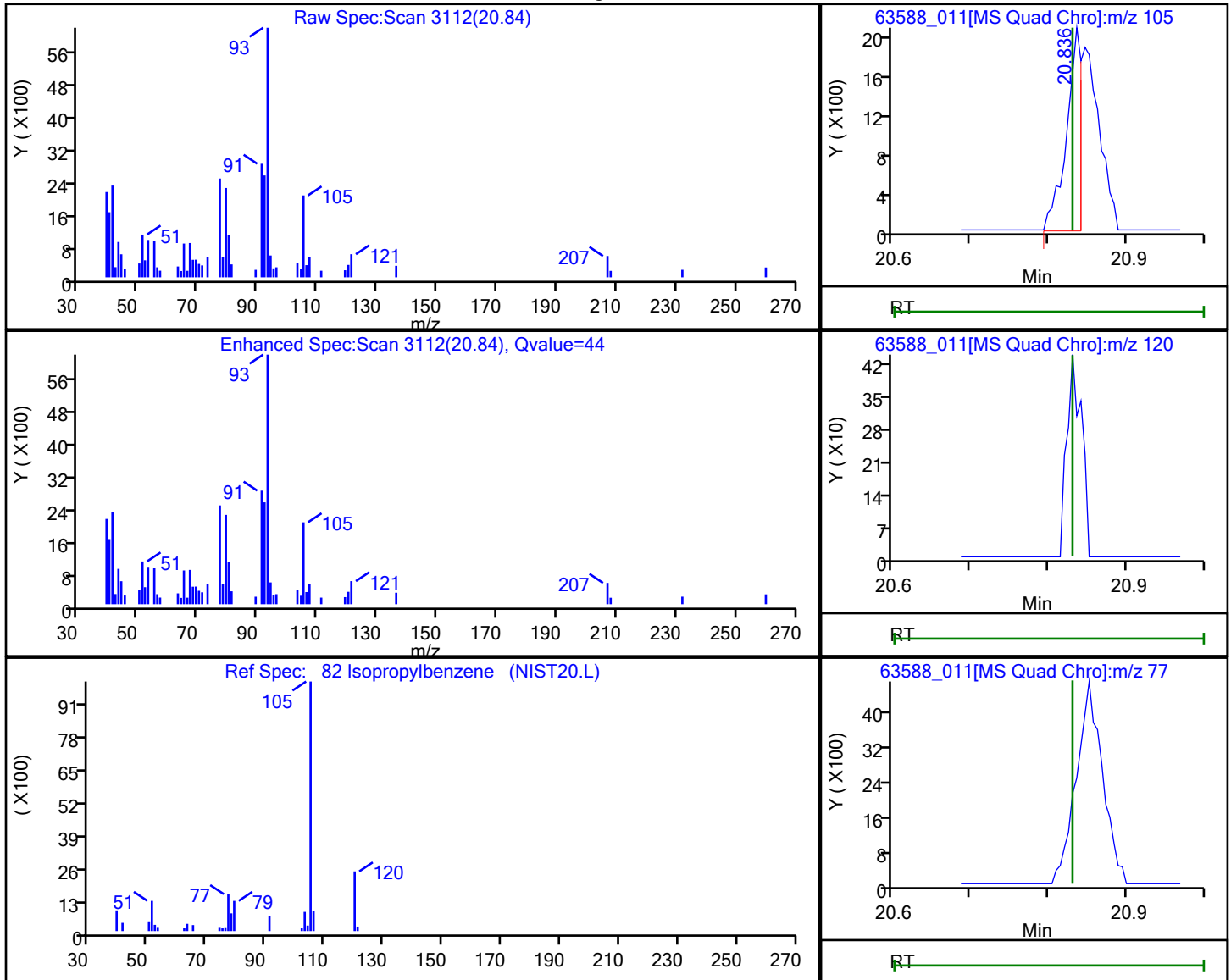
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
20.84	105.00	2677	0.010102
20.83	120.00	0	
20.83	77.00	0	

Reviewer: YWL8, 07-Jan-2025 11:41:23 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D

Injection Date: 06-Jan-2025 16:03:57

Instrument ID: CHAN.i

Lims ID: 200-76392-A-7

Lab Sample ID: 200-76392-7

Client ID: SV122024KT007

Operator ID: wrd

ALS Bottle#:

9

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

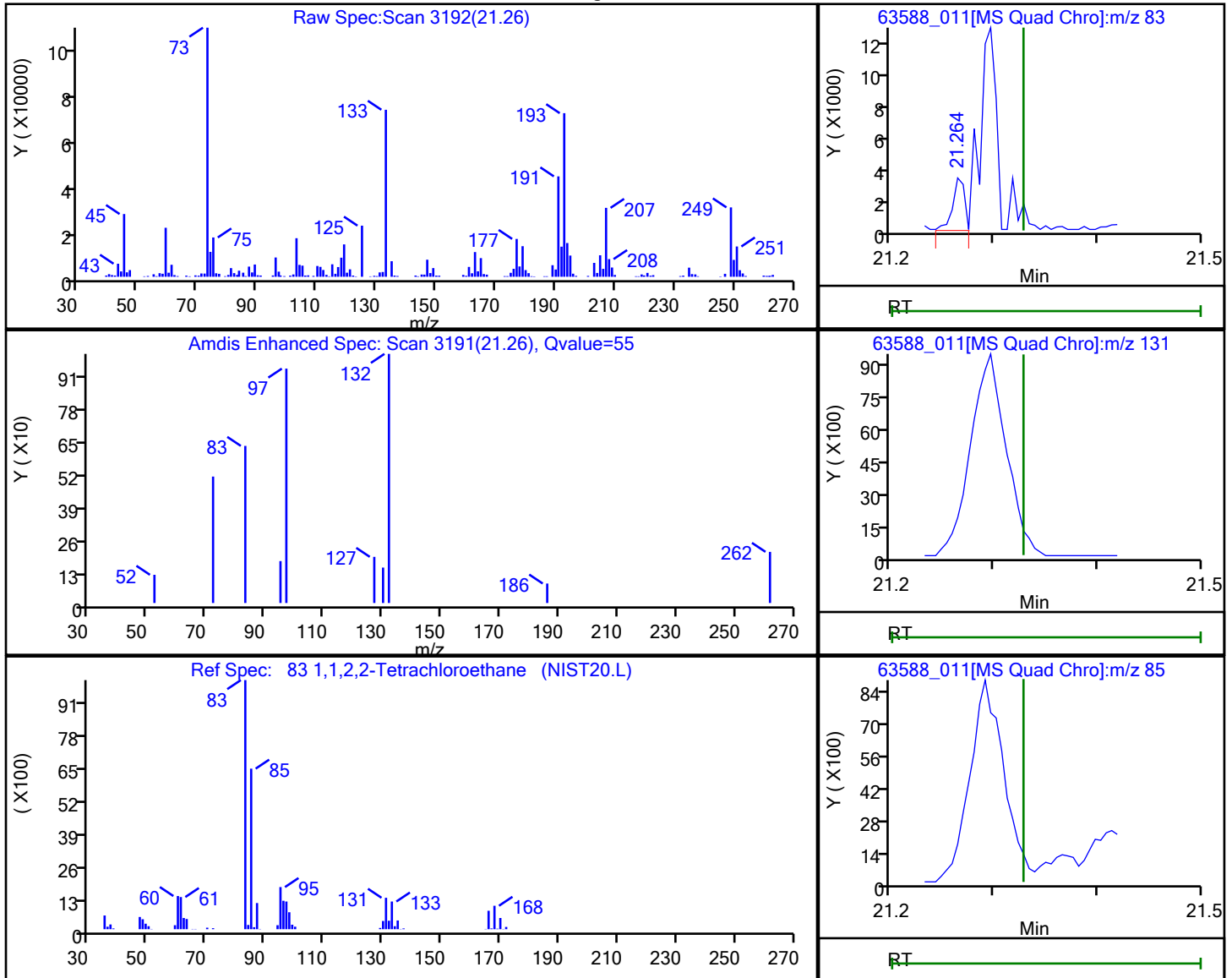
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.26	83.00	2518	0.015139
21.33	131.00	0	
21.33	85.00	0	

Reviewer: YWL8, 07-Jan-2025 11:41:31 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

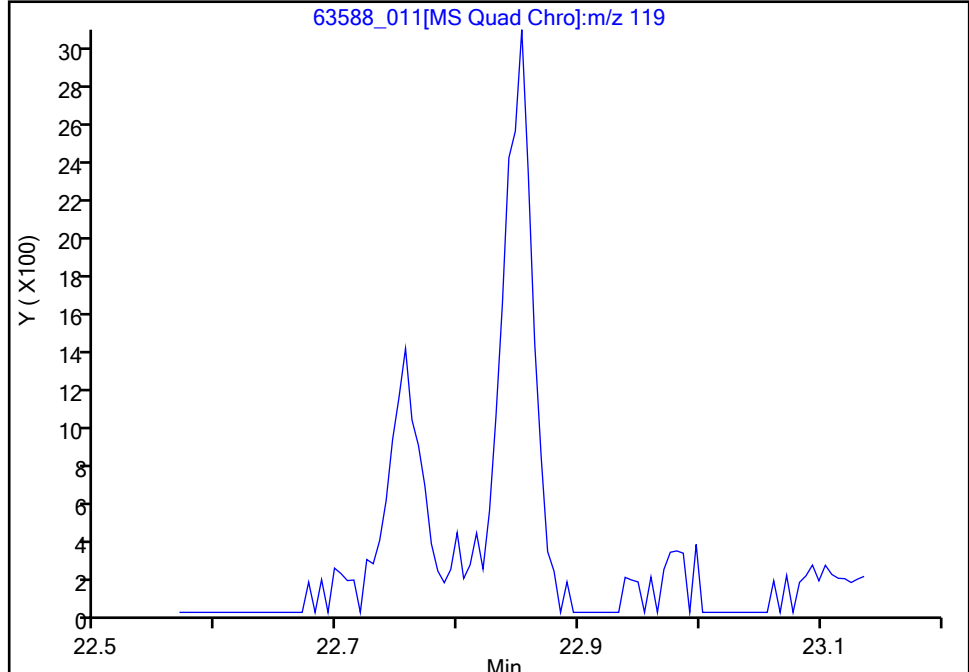
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D				
Injection Date:	06-Jan-2025 16:03:57	Instrument ID:	CHAN.i		
Lims ID:	200-76392-A-7	Lab Sample ID:	200-76392-7		
Client ID:	SV122024KT007				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

95 4-Isopropyltoluene, CAS: 99-87-6

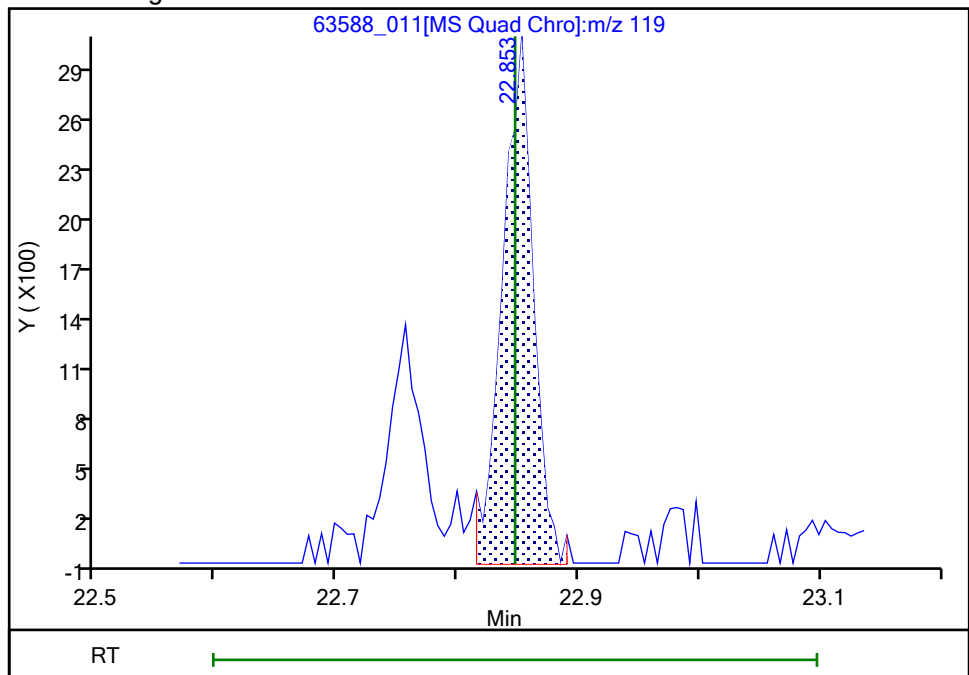
Signal: 1

Not Detected
Expected RT: 22.85

Processing Integration Results



Manual Integration Results



Reviewer: YWL8, 07-Jan-2025 11:43:36 07:00:00 (UTC)

Audit Action: Manually Integrated

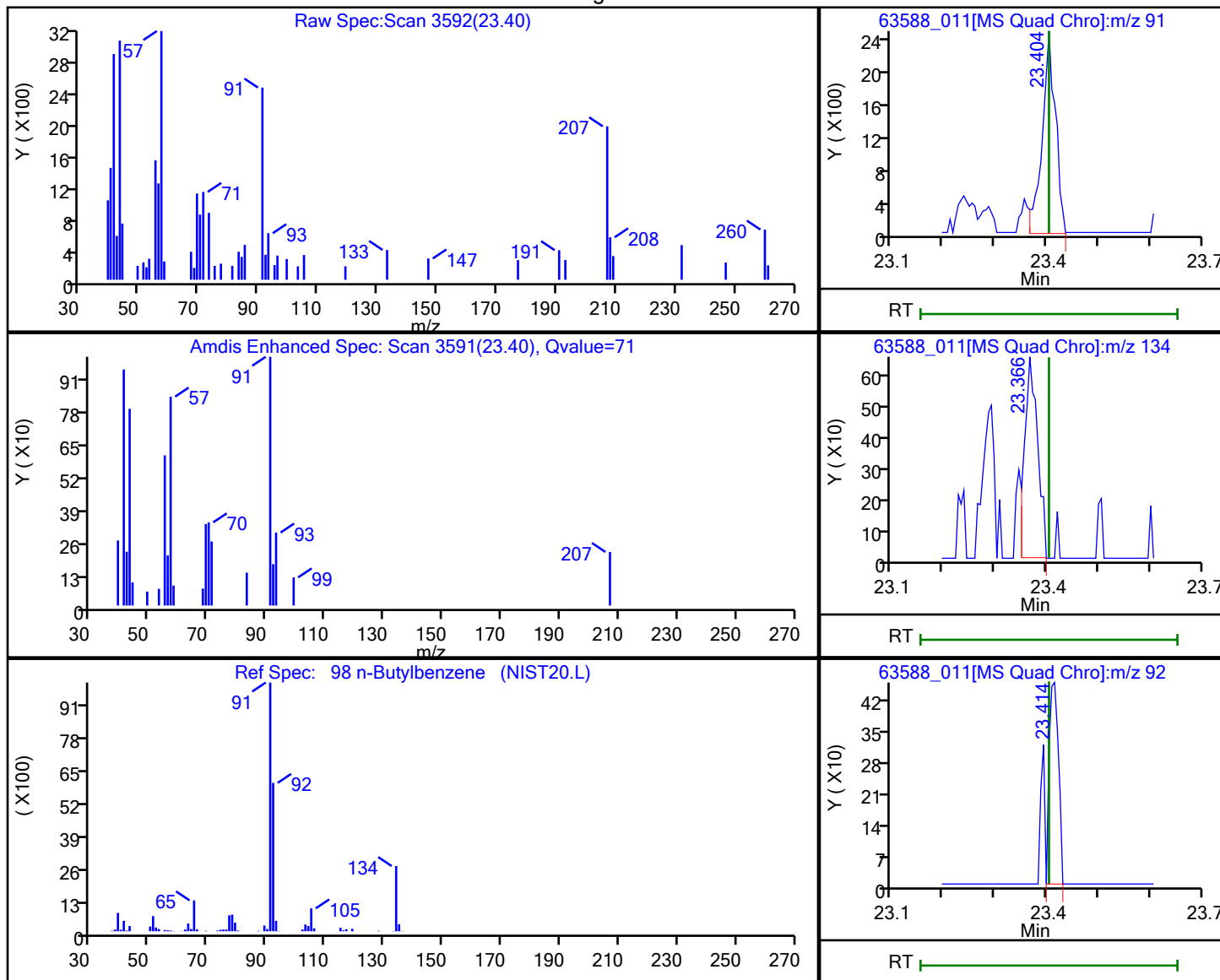
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D
Injection Date: 06-Jan-2025 16:03:57 Instrument ID: CHAN.i
Lims ID: 200-76392-A-7 Lab Sample ID: 200-76392-7
Client ID: SV122024KT007
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 11
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

98 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
23.40	91.00	4321	0.015061
23.37	134.00	1143	
23.41	92.00	575	

Reviewer: YWL8, 07-Jan-2025 11:44:02 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

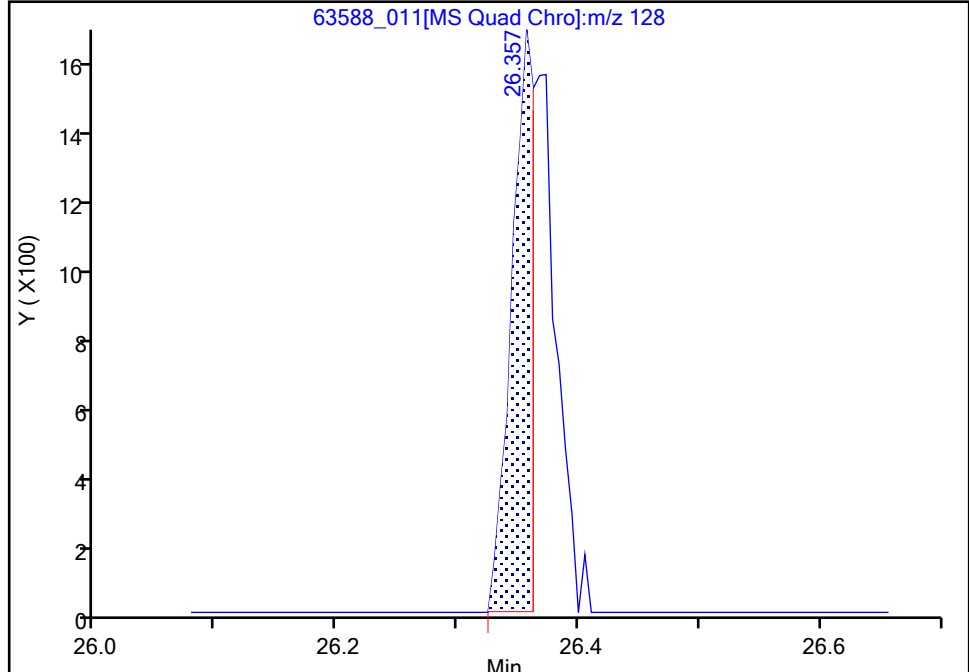
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_011.D				
Injection Date:	06-Jan-2025 16:03:57	Instrument ID:	CHAN.i		
Lims ID:	200-76392-A-7	Lab Sample ID:	200-76392-7		
Client ID:	SV122024KT007				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

104 Naphthalene, CAS: 91-20-3

Signal: 1

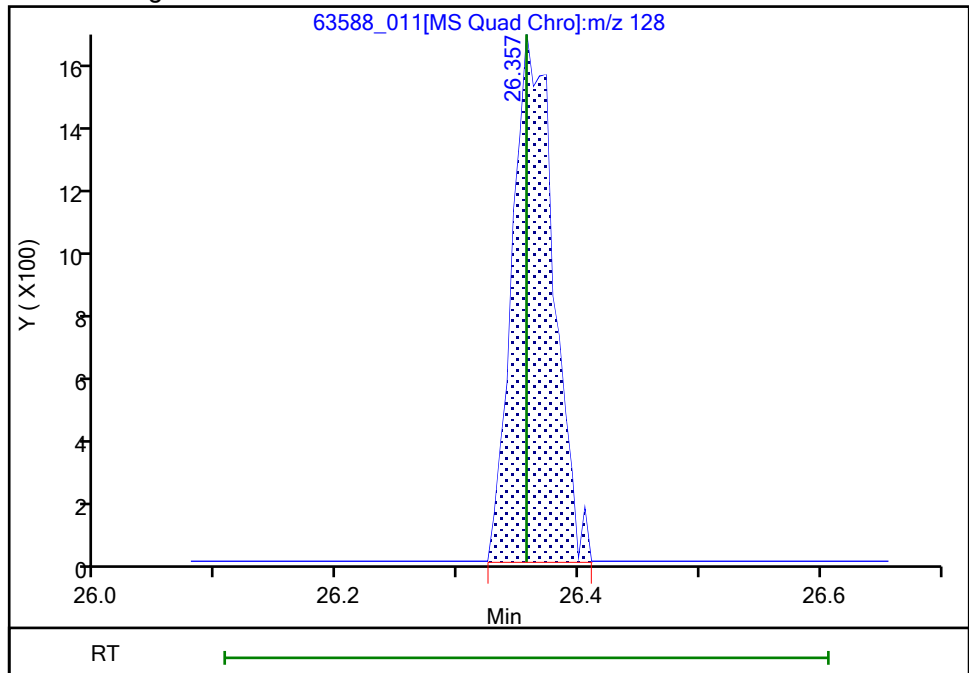
RT: 26.36
Area: 2169
Amount: 0.010912
Amount Units: ppb v/v

Processing Integration Results



RT: 26.36
Area: 3960
Amount: 0.019923
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 07-Jan-2025 11:28:06 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-212331/4	63469_004.D
Level 2	IC 200-212331/5	63469_005.D
Level 3	IC 200-212331/15	63469_015.D
Level 4	IC 200-212331/24	63469_024.D
Level 5	ICIS 200-212331/9	63469_009.D
Level 6	IC 200-212331/10	63469_010.D
Level 7	IC 200-212331/13	63469_013.D
Level 8	IC 200-212331/14	63469_014.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Propylene	++++ 0.6180	++++ 0.7932	++++ 0.8619	0.9131	0.6203	Ave		0.761 3				17.9		30.0			
Dichlorodifluoromethane	++++ 2.4432	++++ 3.0464	4.2271 3.1736	3.4764	2.4394	Ave		3.134 3				21.5		30.0			
Chlorodifluoromethane	++++ 1.4206	++++ 1.7536	2.4639 1.8464	1.9690	1.4367	Ave		1.815 0				21.3		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.6549	2.8453 3.3004	4.4752 3.4444	3.6960	2.6790	Ave		3.299 3				19.8		30.0			
Chloromethane	++++ 0.8457	++++ 1.0280	1.4735 1.0886	1.1508	0.8555	Ave		1.073 7				21.5		30.0			
n-Butane	++++ 2.6480	++++ 2.2702	2.7693 2.1337	2.0865	2.9259	Ave		2.472 3				14.3		30.0			
Vinyl chloride	2.0389 1.8979	2.1286 1.6148	1.9016 1.5086	1.4835	2.1011	Ave		1.834 4				14.4		30.0			
1,3-Butadiene	2.0346 1.3945	1.6963 1.2205	1.4694 1.1460	1.1147	1.5761	Ave		1.456 5				21.4		30.0			
Bromomethane	++++ 1.0147	1.1092 1.2380	1.6040 1.2746	1.3474	1.0260	Ave		1.230 6				16.9		30.0			
Chloroethane	++++ 0.6038	++++ 0.7158	0.9288 0.7358	0.7625	0.6210	Ave		0.728 0				16.1		30.0			
Isopentane	++++ 1.2516	1.2975 1.4360	1.8890 1.4960	1.5261	1.2888	Ave		1.455 0				15.1		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.0449	1.0442 1.2192	1.5320 1.2483	1.2905	1.0389	Ave		1.202 6				15.0		30.0			
Trichlorofluoromethane	++++ 2.8992	3.0729 3.1988	4.2150 3.2404	3.3995	2.9602	Ave		3.283 7				13.5		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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	++++ 2.0807	++++ 2.3053	2.9193 2.3581	2.3959	2.1588	Ave		2.369 7				12.4		30.0			
Ethanol	++++ 0.5572	++++ 0.6298	0.8863 0.6380	0.6393	0.5888	Ave		0.656 6				17.8		30.0			
Ethyl ether	++++ 0.9253	0.8386 1.0029	1.2066 1.0232	1.0183	0.9508	Ave		0.995 1				11.4		30.0			
Acrolein	++++ 0.5166	++++ 0.5499	0.6564 0.5655	0.5431	0.5311	Ave		0.560 4				8.9		30.0			
1,1-Dichloroethene	1.2080 1.3221	1.4242 1.3924	1.7187 1.4019	1.4085	1.3554	Ave		1.403 9				10.3		30.0			
1,1,2-Trichlorotrifluoroethane	++++ 2.8409	3.0257 2.9266	3.6743 2.9212	2.9957	2.8992	Ave		3.040 5				9.4		30.0			
Acetone	++++ 2.0958	++++ 2.1058	3.2367 2.1178	2.0431	2.2106	Ave		2.301 6				20.0		30.0			
Isopropyl alcohol	++++ 2.2752	++++ 2.2687	2.6850 2.2565	2.1653	2.3424	Ave		2.332 2				7.8		30.0			
Carbon disulfide	++++ 4.2984	++++ 4.3060	5.4460 4.2085	4.2979	4.4717	Ave		4.504 7				10.4		30.0			
Acetonitrile	++++ 1.1151	++++ 1.1390	1.4548 1.1425	1.0927	1.1711	Ave		1.185 9				11.3		30.0			
3-Chloropropene	++++ 1.9257	2.1182 1.9251	2.4976 1.9045	1.8680	2.0054	Ave		2.034 9				10.8		30.0			
Methylene Chloride	++++ 1.8765	++++ 1.7880	2.2432 1.7421	1.7205	2.0020	Ave		1.895 4				10.5		30.0			
tert-Butyl alcohol	++++ 3.0662	++++ 2.9588	3.2519 2.9298	2.7950	3.1444	Ave		3.024 3				5.4		30.0			
Acrylonitrile	++++ 1.1621	++++ 1.1904	1.4077 1.1724	1.0819	1.2201	Ave		1.205 8				9.1		30.0			
trans-1,2-Dichloroethene	2.1135 2.3560	2.3692 2.2251	2.6669 2.1672	2.1421	2.4731	Ave		2.314 1				8.2		30.0			
Methyl tert-butyl ether	++++ 4.1767	3.7671 4.0107	4.5556 3.9396	3.9171	4.3365	Ave		4.100 5				6.7		30.0			
n-Hexane	++++ 2.4600	2.2994 2.3890	2.6788 2.3332	2.3129	2.5881	Ave		2.437 4				6.0		30.0			
1,1-Dichloroethane	2.7878 2.9718	2.9993 2.8106	3.4258 2.7103	2.7391	3.1351	Ave		2.947 5				8.2		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
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	++++ 3.4365	++++ 3.3030	3.4886 3.3476	2.7761	3.4629	Ave		3.302 4				8.1		30.0			
Methyl Ethyl Ketone (2-Butanone)	++++ 0.7907	++++ 0.7676	0.9726 0.7658	0.7309	0.8098	Ave		0.806 2				10.6		30.0			
cis-1,2-Dichloroethene	1.4112 1.5885	1.5702 1.5521	1.8530 1.5303	1.5468	1.6602	Ave		1.589 0				8.0		30.0			
Ethyl acetate	++++ 0.1270	++++ 0.1268	0.1493 0.1276	0.1240	0.1316	Ave		0.131 0				7.1		30.0			
Tetrahydrofuran	++++ 0.3804	++++ 0.3742	0.4450 0.3683	0.3440	0.3986	Ave		0.385 1				8.9		30.0			
Chloroform	++++ 3.2492	3.4476 3.0989	3.8424 3.0214	3.0660	3.4090	Ave		3.304 9				8.8		30.0			
1,1,1-Trichloroethane	++++ 0.6317	0.6431 0.6102	0.7154 0.6093	0.5971	0.6471	Ave		0.636 2				6.2		30.0			
Cyclohexane	++++ 0.4092	0.3860 0.4042	0.4612 0.4044	0.3955	0.4195	Ave		0.411 4				5.9		30.0			
Carbon tetrachloride	0.5642 0.6286	0.6214 0.6138	0.6957 0.6156	0.5981	0.6439	Ave		0.622 7				6.1		30.0			
Benzene	++++ 0.9829	1.0327 0.9633	1.1679 0.9486	0.9490	1.0171	Ave		1.008 8				7.7		30.0			
1,2-Dichloroethane	++++ 0.4527	0.4717 0.4208	0.5139 0.4147	0.3991	0.4713	Ave		0.449 2				9.0		30.0			
2,2,4-Trimethylpentane	++++ 1.6579	1.4726 1.6124	1.7960 1.5592	1.5423	1.7312	Ave		1.624 5				6.9		30.0			
n-Heptane	++++ 0.6118	0.5321 0.5977	0.6283 0.5876	0.5579	0.6365	Ave		0.593 1				6.3		30.0			
n-Butanol	++++ 0.2355	++++ 0.2361	0.2407 0.2428	0.2072	0.2387	Ave		0.233 5				5.6		30.0			
Trichloroethene	0.4204 0.4286	0.4477 0.4196	0.5078 0.4214	0.4078	0.4399	Ave		0.436 7				7.2		30.0			
1,2-Dichloropropane	++++ 0.4113	0.4168 0.3948	0.4580 0.3900	0.3742	0.4264	Ave		0.410 2				6.7		30.0			
Methyl methacrylate	++++ 0.3711	++++ 0.3658	0.3925 0.3669	0.3360	0.3797	Ave		0.368 7				5.1		30.0			
1,4-Dioxane	++++ 0.2045	0.1962 0.1990	0.3263 0.1927	0.2014	0.2094	Ave		0.218 5				21.9		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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	++++ 0.3194	0.3605 0.3337	0.4269 0.3414	0.3352	0.3217	Ave		0.348 4				10.7		30.0			
Bromodichloromethane	++++ 0.7479	0.7119 0.7137	0.8080 0.7090	0.6750	0.7677	Ave		0.733 3				6.0		30.0			
cis-1,3-Dichloropropene	++++ 0.6472	0.5413 0.6330	0.6878 0.6364	0.5831	0.6556	Ave		0.626 3				7.8		30.0			
4-Methyl-2-pentanone (Methyl isobutyl ketone)	++++ 0.8164	++++ 0.7847	0.7825 0.7696	0.6949	0.8402	Ave		0.781 4				6.4		30.0			
Toluene	++++ 0.7241	0.6797 0.7172	0.8121 0.7056	0.7038	0.7431	Ave		0.726 5				5.8		30.0			
n-Octane	++++ 0.8641	0.6574 0.8399	0.8372 0.8098	0.7768	0.9027	Ave		0.812 6				9.7		30.0			
trans-1,3-Dichloropropene	++++ 0.5171	0.4287 0.5037	0.5586 0.5083	0.4629	0.5269	Ave		0.500 9				8.5		30.0			
1,1,2-Trichloroethane	++++ 0.4089	0.4016 0.3929	0.4893 0.3896	0.3801	0.4237	Ave		0.412 3				8.9		30.0			
Tetrachloroethene	0.4445 0.4932	0.5187 0.5130	0.6295 0.5213	0.5161	0.4978	Ave		0.516 8				10.1		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.8530	++++ 0.8214	0.6877 0.8063	0.7008	0.8737	Ave		0.790 5				9.9		30.0			
Dibromochloromethane	++++ 0.7397	0.6221 0.7278	0.8115 0.7304	0.6933	0.7529	Ave		0.725 4				8.0		30.0			
1,2-Dibromoethane	++++ 0.6852	0.6360 0.6708	0.8146 0.6661	0.6429	0.7004	Ave		0.688 0				8.7		30.0			
Chlorobenzene	++++ 0.9280	0.9882 0.9221	1.1575 0.9095	0.9211	0.9558	Ave		0.968 9				9.0		30.0			
Ethylbenzene	++++ 1.6319	1.5113 1.5901	1.8240 1.5307	1.5534	1.6838	Ave		1.617 9				6.7		30.0			
m,p-Xylene	++++ 0.6024	0.4952 0.5910	0.6557 0.5816	0.5757	0.6152	Ave		0.588 1				8.3		30.0			
n-Nonane	++++ 0.9202	0.7311 0.8689	0.9147 0.8362	0.8193	0.9517	Ave		0.863 2				8.7		30.0			
o-Xylene	++++ 0.5707	0.4426 0.5662	0.5936 0.5632	0.5444	0.5784	Ave		0.551 3				9.1		30.0			
Styrene	++++ 0.9609	0.6515 0.9572	0.9632 0.9436	0.8961	0.9723	Ave		0.906 4				12.7		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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	++++ 0.6614	0.4504 0.6777	0.7235 0.6880	0.6285	0.6630	Ave		0.641 8				13.9		30.0			
Cumene	++++ 1.7189	1.2941 1.6789	1.7817 1.6010	1.6567	1.7586	Ave		1.641 4				10.1		30.0			
1,1,2,2-Tetrachloroethane	++++ 1.0919	1.0764 1.0321	1.2722 0.9978	0.9932	1.1302	Ave		1.084 8				8.9		30.0			
1,2,3-Trichloropropane	++++ 0.8248	++++ 0.7933	1.0512 0.7748	0.7658	0.8557	Ave		0.844 3				12.6		30.0			
n-Propylbenzene	++++ 2.2368	1.8689 2.1334	2.3728 1.9670	2.1141	2.3205	Ave		2.144 8				8.5		30.0			
2-Chlorotoluene	++++ 1.4268	1.3761 1.3741	1.6434 1.3473	1.3501	1.4583	Ave		1.425 1				7.3		30.0			
4-Ethyltoluene	++++ 1.7060	1.3195 1.6647	1.8325 1.5707	1.6424	1.7549	Ave		1.641 5				10.0		30.0			
1,3,5-Trimethylbenzene	++++ 1.4649	1.1211 1.4072	1.5272 1.3339	1.3628	1.4910	Ave		1.386 9				9.8		30.0			
n-Decane	++++ 1.2156	++++ 1.1299	1.1184 1.0491	1.0395	1.2532	Ave		1.134 3				7.6		30.0			
Alpha Methyl Styrene	++++ 0.7324	0.4651 0.7425	0.6641 0.7358	0.6756	0.7381	Ave		0.679 1				14.7		30.0			
tert-Butylbenzene	++++ 1.3074	1.0426 1.2971	1.4053 1.2460	1.2747	1.3401	Ave		1.273 3				8.9		30.0			
1,2,4-Trimethylbenzene	++++ 1.4509	1.0649 1.4180	1.4945 1.3473	1.3742	1.4889	Ave		1.377 0				10.8		30.0			
sec-Butylbenzene	++++ 2.1514	1.6650 2.0612	2.2215 1.8873	2.0237	2.2182	Ave		2.032 6				9.9		30.0			
1,3-Dichlorobenzene	++++ 0.9249	0.7777 0.9273	1.1524 0.9135	0.9086	0.9405	Ave		0.935 0				11.8		30.0			
4-Isopropyltoluene	++++ 1.7279	1.2144 1.6910	1.7214 1.5767	1.6384	1.7545	Ave		1.617 7				11.6		30.0			
1,4-Dichlorobenzene	++++ 0.9131	0.7755 0.9294	1.1712 0.9134	0.9096	0.9271	Ave		0.934 2				12.6		30.0			
Benzyl chloride	++++ 1.4628	0.8387 1.4194	1.3748 1.3655	1.2641	1.4805	Ave		1.315 1				16.9		30.0			
n-Butylbenzene	++++ 1.9013	1.2469 1.7928	1.7548 1.6498	1.6972	1.9583	Ave		1.714 4				13.6		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
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	+++++ 0.8831	0.7610 0.9020	1.1074 0.8763	0.8723	0.9030	Ave		0.900 7				11.5		30.0			
n-Undecane	+++++ 1.2750	+++++ 1.2047	1.0769 1.1324	1.0946	1.3178	Ave		1.183 6				8.3		30.0			
n-Dodecane	+++++ 1.1090	+++++ 1.1046	0.7414 1.0338	0.9780	1.1677	Ave		1.022 4				14.9		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5650	+++++ 0.6030	0.7207 0.6406	0.5580	0.5667	Ave		0.609 0				10.3		30.0			
Hexachlorobutadiene	+++++ 0.4824	0.4006 0.5251	0.6479 0.5318	0.5073	0.4852	Ave		0.511 5				14.5		30.0			
Naphthalene	+++++ 1.3991	0.7005 1.4270	1.6810 1.4647	1.3280	1.4377	Ave		1.348 3				22.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5119	+++++ 0.5493	0.7425 0.5730	0.5208	0.5218	Ave		0.569 9				15.4		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.: 200-76392-1 Analy Batch No.: 212331

SDG No.: 200-76392-1

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-212331/4	63469_004.D
Level 2	IC 200-212331/5	63469_005.D
Level 3	IC 200-212331/15	63469_015.D
Level 4	IC 200-212331/24	63469_024.D
Level 5	ICIS 200-212331/9	63469_009.D
Level 6	IC 200-212331/10	63469_010.D
Level 7	IC 200-212331/13	63469_013.D
Level 8	IC 200-212331/14	63469_014.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	++++ 254611	++++ 467251	++++ 1087428	124778	157506	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1006599	++++ 1794544	++++ 4004100	475082	619433	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.25	10.00
Chlorodifluoromethane	BCM	Ave	++++ 585297	++++ 1032990	++++ 2329608	269086	364810	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.25	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1093836	++++ 1944212	++++ 4345726	505092	680257	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.25	10.00
Chloromethane	BCM	Ave	++++ 348455	++++ 605562	++++ 19238 1373428	157265	217245	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.25	10.00
n-Butane	BCM	Ave	++++ 1090979	++++ 1337311	++++ 36157 2692082	285143	742956	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.25	10.00
Vinyl chloride	BCM	Ave	1887 781942	9607 951250	24828 1903390	202733	533515	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,3-Butadiene	BCM	Ave	1883 574528	7656 718955	19185 1445903	152333	400207	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Bromomethane	BCM	Ave	++++ 418072	++++ 5006 729252	++++ 20943 1608204	184139	260533	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.25	10.00
Chloroethane	BCM	Ave	++++ 248771	++++ 421681	++++ 12127 928309	104204	157686	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.25	10.00
Isopentane	BCM	Ave	++++ 515671	++++ 5856 845891	++++ 24664 1887544	208555	327267	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.25	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 430493	++++ 4713 718182	++++ 20002 1574941	176357	263811	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.25	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1194495	++++ 13869 1884325	++++ 55032 4088396	464569	751683	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.25	10.00
n-Pentane	BCM	Ave	++++ 857265	++++ 1358014	++++ 38115 2975219	327423	548172	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.25	10.00
Ethanol	BCM	Ave	++++ 306775	++++ 742139	++++ 115861 2012323	131106	224379	++++ 20.0	++++ 40.0	++++ 4.26 100.0	6.38	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	++++ 381223	3785 590811	15754 1290934	139163	241427	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Acrolein	BCM	Ave	++++ 249248	++++ 379329	10035 835473	86908	157915	++++ 17.6	++++ 23.4	0.498 46.8	4.98	11.7
1,1-Dichloroethene	BCM	Ave	1118 544712	6428 820242	22440 1768720	192479	344171	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1,2-Trichlorotrifluoroethane	BCM	Ave	++++ 1170483	13656 1723978	47973 3685651	409392	736188	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Acetone	BCM	Ave	++++ 863471	++++ 1240464	42260 2672033	279209	561329	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
Isopropyl alcohol	BCM	Ave	++++ 1086429	++++ 1548932	40631 3299627	342964	689356	++++ 17.4	++++ 23.2	0.493 46.4	4.92	11.6
Carbon disulfide	BCM	Ave	++++ 1770965	++++ 2536567	71105 5309823	587342	1135484	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
Acetonitrile	BCM	Ave	++++ 459424	++++ 670979	18995 1441531	149330	297362	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
3-Chloropropene	BCM	Ave	++++ 793396	9560 1134042	32610 2402864	255280	509219	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Methylene Chloride	BCM	Ave	++++ 773113	++++ 1053263	29288 2198040	235120	508359	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
tert-Butyl alcohol	BCM	Ave	++++ 1263316	++++ 1742962	42458 3696477	381963	798433	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
Acrylonitrile	BCM	Ave	++++ 478798	++++ 701218	18380 1479176	147845	309817	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
trans-1,2-Dichloroethene	BCM	Ave	1956 970697	10693 1310728	34820 2734340	292738	627990	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1720848	17002 2362596	59480 4970535	535306	1101160	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
n-Hexane	BCM	Ave	++++ 1013558	10378 1407293	34976 2943772	316085	657174	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1-Dichloroethane	BCM	Ave	2580 1224403	13537 1655630	44729 3419617	374326	796090	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Vinyl acetate	BCM	Ave	++++ 1612691	++++ 2216148	51880 4810803	432107	1001534	++++ 17.1	++++ 22.8	0.485 45.6	4.84	11.4
Methyl Ethyl Ketone (2-Butanone)	BCM	Ave	++++ 325774	++++ 452146	12699 966189	99878	205634	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
cis-1,2-Dichloroethene	BCM	Ave	1306 654456	7087 914329	24193 1930789	211384	421574	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Ethyl acetate	BCM	Ave	++++ 52321	++++ 74690	1949 161018	16946	33409	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	28075	227648	491783	++++	++++	0.425	4.25	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212331

SDG No.: 200-76392-1

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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
			751568	1051271	2192034			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++	15560	50168	418999	865625	+++++	0.170	0.425	4.25	10.00
			1338709	1825501	3812038			15.0	20.0	40.0		
1,1,1-Trichloroethane	DFBZ	Ave	+++++	13751	45130	395142	798364	+++++	0.170	0.425	4.25	10.00
			1248211	1714217	3626787			15.0	20.0	40.0		
Cyclohexane	DFBZ	Ave	+++++	8254	29094	261768	517570	+++++	0.170	0.425	4.25	10.00
			808439	1135720	2407430			15.0	20.0	40.0		
Carbon tetrachloride	DFBZ	Ave	2452	13288	43892	395845	794518	0.0351	0.170	0.425	4.25	10.00
			1242016	1724350	3664141			15.0	20.0	40.0		
Benzene	DFBZ	Ave	+++++	22082	73678	628038	1254972	+++++	0.170	0.425	4.25	10.00
			1942086	2706503	5646413			15.0	20.0	40.0		
1,2-Dichloroethane	DFBZ	Ave	+++++	10087	32418	264105	581477	+++++	0.170	0.425	4.25	10.00
			894509	1182132	2468368			15.0	20.0	40.0		
2,2,4-Trimethylpentane	DFBZ	Ave	+++++	31489	113304	1020685	2136048	+++++	0.170	0.425	4.25	10.00
			3275630	4529919	9280867			15.0	20.0	40.0		
n-Heptane	DFBZ	Ave	+++++	11379	39638	369230	785381	+++++	0.170	0.425	4.25	10.00
			1208783	1679207	3497617			15.0	20.0	40.0		
n-Butanol	DFBZ	Ave	+++++	+++++	15187	137141	294504	+++++	+++++	0.425	4.25	10.00
			465231	663361	1445470			15.0	20.0	40.0		
Trichloroethene	DFBZ	Ave	1827	9574	32033	269894	542797	0.0351	0.170	0.425	4.25	10.00
			846908	1178898	2508408			15.0	20.0	40.0		
1,2-Dichloropropane	DFBZ	Ave	+++++	8912	28894	247649	526161	+++++	0.170	0.425	4.25	10.00
			812735	1109052	2321601			15.0	20.0	40.0		
Methyl methacrylate	DFBZ	Ave	+++++	+++++	24760	222357	468541	+++++	+++++	0.425	4.25	10.00
			733188	1027823	2183878			15.0	20.0	40.0		
1,4-Dioxane	DFBZ	Ave	+++++	4195	20583	133255	258324	+++++	0.170	0.425	4.25	10.00
			403997	559104	1147141			15.0	20.0	40.0		
Dibromomethane	DFBZ	Ave	+++++	7708	26929	221832	396930	+++++	0.170	0.425	4.25	10.00
			631036	937535	2032318			15.0	20.0	40.0		
Bromodichloromethane	DFBZ	Ave	+++++	15222	50972	446686	947223	+++++	0.170	0.425	4.25	10.00
			1477709	2005243	4220553			15.0	20.0	40.0		
cis-1,3-Dichloropropene	DFBZ	Ave	+++++	11574	43390	385915	808963	+++++	0.170	0.425	4.25	10.00
			1278790	1778288	3787897			15.0	20.0	40.0		
4-Methyl-2-pentanone (Methyl isobutyl ketone)	DFBZ	Ave	+++++	+++++	49368	459848	1036655	+++++	+++++	0.425	4.25	10.00
			1613095	2204474	4580980			15.0	20.0	40.0		
Toluene	CBNzd 5	Ave	+++++	12972	45875	424982	833232	+++++	0.170	0.425	4.25	10.00
			1303512	1847031	3875506			15.0	20.0	40.0		
n-Octane	DFBZ	Ave	+++++	14058	52814	514052	1113822	+++++	0.170	0.425	4.25	10.00
			1707217	2359729	4820635			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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	+++++ 1021613	9167 1415083	35240 3025772	306353	650093	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++ 736042	7665 1011935	27641 2139864	229515	475082	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Tetrachloroethene	CBNZd 5	Ave	1723 887741	9899 1321281	35563 2862774	311655	558210	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++ 1535513	+++++ 2115470	38846 4428273	423166	979703	+++++ 15.0	+++++ 20.0	0.425 40.0	4.25	10.00
Dibromochloromethane	CBNZd 5	Ave	+++++ 1331477	11873 1874402	45842 4011556	418673	844250	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,2-Dibromoethane	CBNZd 5	Ave	+++++ 1233374	12138 1727479	46015 3658379	388240	785359	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Chlorobenzene	CBNZd 5	Ave	+++++ 1670562	18858 2374765	65386 4994824	556201	1071765	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Ethylbenzene	CBNZd 5	Ave	+++++ 2937509	28841 4095247	103035 8406994	938056	1888160	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
m,p-Xylene	CBNZd 5	Ave	+++++ 2168607	18899 3044066	74079 6388199	695267	1379659	+++++ 30.0	0.341 40.0	0.851 80.0	8.50	20.0
n-Nonane	CBNZd 5	Ave	+++++ 1656381	13952 2237854	51673 4592772	494746	1067212	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
o-Xylene	CBNZd 5	Ave	+++++ 1027406	8446 1458089	33534 3093065	328749	648652	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Styrene	CBNZd 5	Ave	+++++ 1729768	12433 2465057	54411 5182410	541107	1090280	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Bromoform	CBNZd 5	Ave	+++++ 1190630	8595 1745438	40872 3778660	379528	743442	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Cumene	CBNZd 5	Ave	+++++ 3094266	24697 4323834	100645 8792699	1000419	1971996	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++ 20542	20542 71866	71866 599782	599782	1267318	+++++ 0.170	0.170	0.425	4.25	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212331

SDG No.: 200-76392-1

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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
			1965594	2658127	5480026			15.0	20.0	40.0		
1,2,3-Trichloropropane	CBNZd 5	Ave	++++	++++	59383	462422	959569	++++	++++	0.425	4.25	10.00
			1484811	2043056	4255034			15.0	20.0	40.0		
n-Propylbenzene	CBNZd 5	Ave	++++	35666	134040	1276617	2602122	++++	0.170	0.425	4.25	10.00
			4026444	5494279	10803197			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	++++	26261	92833	815249	1635244	++++	0.170	0.425	4.25	10.00
			2568309	3538899	7399625			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	++++	25181	103516	991779	1967889	++++	0.170	0.425	4.25	10.00
			3070888	4287338	8626584			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++	21395	86269	822919	1671998	++++	0.170	0.425	4.25	10.00
			2636921	3624126	7325744			15.0	20.0	40.0		
n-Decane	CBNZd 5	Ave	++++	++++	63180	627731	1405258	++++	++++	0.425	4.25	10.00
			2188166	2910056	5761556			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd 5	Ave	++++	8875	37515	407965	827629	++++	0.170	0.425	4.25	10.00
			1318403	1912254	4041052			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	++++	19896	79384	769736	1502792	++++	0.170	0.425	4.25	10.00
			2353362	3340496	6843382			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++	20322	84426	829808	1669640	++++	0.170	0.425	4.25	10.00
			2611802	3651871	7399491			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	++++	31774	125494	1222043	2487384	++++	0.170	0.425	4.25	10.00
			3872782	5308374	10365079			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd 5	Ave	++++	14841	65100	548661	1054613	++++	0.170	0.425	4.25	10.00
			1664902	2388070	5016888			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	++++	23175	97240	989362	1967389	++++	0.170	0.425	4.25	10.00
			3110344	4355036	8659417			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	++++	14799	66159	549293	1039657	++++	0.170	0.425	4.25	10.00
			1643684	2393538	5016337			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	++++	16006	77664	763351	1660150	++++	0.170	0.425	4.25	10.00
			2633106	3655587	7499683			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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	CBNZd 5	Ave	++++ 3422505	23796 4617143	99126 9061029	1024844	2195995	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,2-Dichlorobenzene	CBNZd 5	Ave	++++ 1589748	14522 2322960	62554 4812936	526770	1012600	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
n-Undecane	CBNZd 5	Ave	++++ 2295137	++++ 3102667	60836 6219142	660976	1477686	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
n-Dodecane	CBNZd 5	Ave	++++ 1996228	++++ 2844864	41881 5677783	590557	1309380	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
1,2,4-Trichlorobenzene	CBNZd 5	Ave	++++ 1192979	++++ 1821609	47754 4126820	395282	745439	++++ 17.6	++++ 23.5	0.499 46.9	4.98	11.7
Hexachlorobutadiene	CBNZd 5	Ave	++++ 976055	8592 1520048	41138 3282748	344353	611560	++++ 16.9	0.192 22.5	0.478 45.0	4.78	11.2
Naphthalene	CBNZd 5	Ave	++++ 2994571	15894 4369716	112903 9564619	953463	1916920	++++ 17.8	0.203 23.8	0.506 47.6	5.05	11.9
1,2,3-Trichlorobenzene	CBNZd 5	Ave	++++ 1073575	++++ 1647970	48864 3665972	366384	681685	++++ 17.5	++++ 23.3	0.496 46.6	4.95	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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-212331/4	63469_004.D
Level 2	IC 200-212331/5	63469_005.D
Level 3	IC 200-212331/15	63469_015.D
Level 4	IC 200-212331/24	63469_024.D
Level 5	ICIS 200-212331/9	63469_009.D
Level 6	IC 200-212331/10	63469_010.D
Level 7	IC 200-212331/13	63469_013.D
Level 8	IC 200-212331/14	63469_014.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Propylene	+++++ 4.2	+++++ 13.2	+++++	19.9	-18.5	-18.8	30	30		50	30	30
Dichlorodifluoromethane	+++++ -2.8	+++++ 1.3	34.9	10.9	-22.2	-22.1	30	30	50	30	30	30
Chlorodifluoromethane	+++++ -3.4	+++++ 1.7	35.7	8.5	-20.8	-21.7	30	30	50	30	30	30
1,2-Dichlorotetrafluoroethane	+++++ 0.0	-13.8 4.4	35.6 *	12.0	-18.8	-19.5	30	50 30	30	30	30	30
Chloromethane	+++++ -4.3	+++++ 1.4	37.2	7.2	-20.3	-21.2	30	30	50	30	30	30
n-Butane	+++++ -8.2	+++++ -13.7	12.0	-15.6	18.3	7.1	30	30	50	30	30	30
Vinyl chloride	11.2 -12.0	16.0 -17.8	3.7	-19.1	14.5	3.5	50 30	30 30	30	30	30	30
1,3-Butadiene	39.7 -16.2	16.5 -21.3	0.9	-23.5	8.2	-4.3	50 30	30 30	30	30	30	30
Bromomethane	+++++ 0.6	-9.9 3.6	30.3 *	9.5	-16.6	-17.5	30	50 30	30	30	30	30
Chloroethane	+++++ -1.7	+++++ 1.1	27.6	4.7	-14.7	-17.1	30	30	50	30	30	30
Isopentane	+++++ -1.3	-10.8 2.8	29.8	4.9	-11.4	-14.0	30	50 30	30	30	30	30
Bromoethene (Vinyl Bromide)	+++++ 1.4	-13.2 3.8	27.4	7.3	-13.6	-13.1	30	50 30	30	30	30	30
Trichlorofluoromethane	+++++ -2.6	-6.4 -1.3	28.4	3.5	-9.9	-11.7	30	50 30	30	30	30	30
n-Pentane	+++++ -2.7	+++++ -0.5	23.2	1.1	-8.9	-12.2	30	30	50	30	30	30
Ethanol	+++++ -4.1	+++++ -2.8	35.0	-2.6	-10.3	-15.1	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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	++++ 0.8	-15.7 2.8	21.3	2.3	-4.5	-7.0	30	50 30	30	30	30	30
Acrolein	++++ -1.9	++++ 0.9	17.1	-3.1	-5.2	-7.8	30	30	50	30	30	30
1,1-Dichloroethene	-14.0 -0.8	1.4 -0.1	22.4	0.3	-3.5	-5.8	50 30	30 30	30	30	30	30
1,1,2-Trichlorotrifluoroethane	++++ -3.7	-0.5 -3.9	20.8	-1.5	-4.6	-6.6	30	50 30	30	30	30	30
Acetone	++++ -8.5	++++ -8.0	40.6	-11.2	-4.0	-8.9	30	30	50	30	30	30
Isopropyl alcohol	++++ -2.7	++++ -3.2	15.1	-7.2	0.4	-2.4	30	30	50	30	30	30
Carbon disulfide	++++ -4.4	++++ -6.6	20.9	-4.6	-0.7	-4.6	30	30	50	30	30	30
Acetonitrile	++++ -4.0	++++ -3.7	22.7	-7.9	-1.2	-6.0	30	30	50	30	30	30
3-Chloropropene	++++ -5.4	4.1 -6.4	22.7	-8.2	-1.5	-5.4	30	50 30	30	30	30	30
Methylene Chloride	++++ -5.7	++++ -8.1	18.4	-9.2	5.6	-1.0	30	30	50	30	30	30
tert-Butyl alcohol	++++ -2.2	++++ -3.1	7.5	-7.6	4.0	1.4	30	30	50	30	30	30
Acrylonitrile	++++ -1.3	++++ -2.8	16.8	-10.3	1.2	-3.6	30	30	50	30	30	30
trans-1,2-Dichloroethene	-8.7 -3.8	2.4 -6.3	15.2	-7.4	6.9	1.8	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	++++ -2.2	-8.1 -3.9	11.1	-4.5	5.8	1.9	30	50 30	30	30	30	30
n-Hexane	++++ -2.0	-5.7 -4.3	9.9	-5.1	6.2	0.9	30	50 30	30	30	30	30
1,1-Dichloroethane	-5.4 -4.6	1.8 -8.0	16.2	-7.1	6.4	0.8	50 30	30 30	30	30	30	30
Vinyl acetate	++++ 0.0	++++ 1.4	5.6	-15.9	4.9	4.1	30	30	50	30	30	30
Methyl Ethyl Ketone (2-Butanone)	++++ -4.8	++++ -5.0	20.6	-9.3	0.4	-1.9	30	30	50	30	30	30
cis-1,2-Dichloroethene	-11.2 -2.3	-1.2 -3.7	16.6	-2.7	4.5	0.0	50 30	30 30	30	30	30	30
Ethyl acetate	++++ -3.2	++++ -2.6	13.9	-5.4	0.4	-3.1	30	30	50	30	30	30
Tetrahydrofuran	++++ -2.8	++++ -4.4	15.6	-10.7	3.5	-1.2	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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	++++ -6.2	4.3 -8.6	16.3	-7.2	3.1	-1.7	30	50 30	30	30	30	30
1,1,1-Trichloroethane	++++ -4.1	1.1 -4.2	12.4	-6.2	1.7	-0.7	30	50 30	30	30	30	30
Cyclohexane	++++ -1.7	-6.2 -1.7	12.1	-3.9	2.0	-0.6	30	50 30	30	30	30	30
Carbon tetrachloride	-9.4 -1.4	-0.2 -1.1	11.7	-3.9	3.4	1.0	50 30	30	30	30	30	30
Benzene	++++ -4.5	2.4 -6.0	15.8	-5.9	0.8	-2.6	30	50 30	30	30	30	30
1,2-Dichloroethane	++++ -6.3	5.0 -7.7	14.4	-11.1	4.9	0.8	30	50 30	30	30	30	30
2,2,4-Trimethylpentane	++++ -0.7	-9.4 -4.0	10.6	-5.1	6.6	2.1	30	50 30	30	30	30	30
n-Heptane	++++ 0.8	-10.3 -0.9	5.9	-5.9	7.3	3.1	30	50 30	30	30	30	30
n-Butanol	++++ 1.1	++++ 4.0	3.1	-11.3	2.2	0.8	30	30	50	30	30	30
Trichloroethene	-3.7 -3.9	2.5 -3.5	16.3	-6.6	0.7	-1.8	50 30	30 30	30	30	30	30
1,2-Dichloropropane	++++ -3.8	1.6 -4.9	11.6	-8.8	4.0	0.3	30	50 30	30	30	30	30
Methyl methacrylate	++++ -0.8	++++ -0.5	6.5	-8.9	3.0	0.7	30	30	50	30	30	30
1,4-Dioxane	++++ -8.9	-10.2 -11.8	49.3 *	-7.8	-4.2	-6.4	30	50 30	30	30	30	30
Dibromomethane	++++ -4.2	3.5 -2.0	22.5	-3.8	-7.7	-8.3	30	50 30	30	30	30	30
Bromodichloromethane	++++ -2.7	-2.9 -3.3	10.2	-8.0	4.7	2.0	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	++++ 1.1	-13.6 1.6	9.8	-6.9	4.7	3.3	30	50 30	30	30	30	30
4-Methyl-2-pentanone (Methyl isobutyl ketone)	++++ 0.4	++++ -1.5	0.1	-11.1	7.5	4.5	30	30	50	30	30	30
Toluene	++++ -1.3	-6.4 -2.9	11.8	-3.1	2.3	-0.3	30	50 30	30	30	30	30
n-Octane	++++ 3.4	-19.1 -0.3	3.0	-4.4	11.1	6.3	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	++++ 0.6	-14.4 1.5	11.5	-7.6	5.2	3.2	30	50 30	30	30	30	30
1,1,2-Trichloroethane	++++ -4.7	-2.6 -5.5	18.7	-7.8	2.8	-0.8	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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	-14.0 -0.7	0.4 0.9	21.8	-0.1	-3.7	-4.6	50 30	30 30	30	30	30	30
Methyl Butyl Ketone (2-Hexanone)	++++ 3.9	++++ 2.0	-13.0	-11.3	10.5	7.9	30	30	50	30	30	30
Dibromochloromethane	++++ 0.3	-14.2 0.7	11.9	-4.4	3.8	2.0	30	50 30	30	30	30	30
1,2-Dibromoethane	++++ -2.5	-7.6 -3.2	18.4	-6.5	1.8	-0.4	30	50 30	30	30	30	30
Chlorobenzene	++++ -4.8	2.0 -6.1	19.5	-4.9	-1.4	-4.2	30	50 30	30	30	30	30
Ethylbenzene	++++ -1.7	-6.6 -5.4	12.7	-4.0	4.1	0.9	30	50 30	30	30	30	30
m,p-Xylene	++++ 0.5	-15.8 -1.1	11.5	-2.1	4.6	2.4	30	50 30	30	30	30	30
n-Nonane	++++ 0.7	-15.3 -3.1	6.0	-5.1	10.3	6.6	30	50 30	30	30	30	30
o-Xylene	++++ 2.7	-19.7 2.2	7.7	-1.3	4.9	3.5	30	50 30	30	30	30	30
Styrene	++++ 5.6	-28.1 4.1	6.3	-1.1	7.3	6.0	30	50 30	30	30	30	30
Bromoform	++++ 5.6	-29.8 7.2	12.7	-2.1	3.3	3.1	30	50 30	30	30	30	30
Cumene	++++ 2.3	-21.2 -2.5	8.5	0.9	7.1	4.7	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	++++ -4.9	-0.8 -8.0	17.3	-8.4	4.2	0.7	30	50 30	30	30	30	30
1,2,3-Trichloropropane	++++ -6.0	++++ -8.2	24.5	-9.3	1.4	-2.3	30	30	50	30	30	30
n-Propylbenzene	++++ -0.5	-12.9 -8.3	10.6	-1.4	8.2	4.3	30	50 30	30	30	30	30
2-Chlorotoluene	++++ -3.6	-3.4 -5.5	15.3	-5.3	2.3	0.1	30	50 30	30	30	30	30
4-Ethyltoluene	++++ 1.4	-19.6 -4.3	11.6	0.1	6.9	3.9	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	++++ 1.5	-19.2 -3.8	10.1	-1.7	7.5	5.6	30	50 30	30	30	30	30
n-Decane	++++ -0.4	++++ -7.5	-1.4	-8.4	10.5	7.2	30	30	50	30	30	30
Alpha Methyl Styrene	++++ 9.3	-31.5 8.4	-2.2	-0.5	8.7	7.9	30	50 30	30	30	30	30
tert-Butylbenzene	++++ 1.9	-18.1 -2.1	10.4	0.1	5.2	2.7	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.: 200-76392-1 Analy Batch No.: 212331
SDG No.: 200-76392-1
Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/20/2024 17:03 Calibration End Date: 12/21/2024 11:06 Calibration ID: 54228

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	++++ 3.0	-22.7 -2.2	8.5	-0.2	8.1	5.4	30	50 30	30	30	30	30
sec-Butylbenzene	++++ 1.4	-18.1 -7.2	9.3	-0.4	9.1	5.8	30	50 30	30	30	30	30
1,3-Dichlorobenzene	++++ -0.8	-16.8 -2.3	23.3	-2.8	0.6	-1.1	30	50 30	30	30	30	30
4-Isopropyltoluene	++++ 4.5	-24.9 -2.5	6.4	1.3	8.5	6.8	30	50 30	30	30	30	30
1,4-Dichlorobenzene	++++ -0.5	-17.0 -2.2	25.4	-2.6	-0.8	-2.3	30	50 30	30	30	30	30
Benzyl chloride	++++ 7.9	-36.2 3.8	4.5	-3.9	12.6	11.2	30	50 30	30	30	30	30
n-Butylbenzene	++++ 4.6	-27.3 -3.8	2.4	-1.0	14.2	10.9	30	50 30	30	30	30	30
1,2-Dichlorobenzene	++++ 0.1	-15.5 -2.7	22.9	-3.2	0.3	-2.0	30	50 30	30	30	30	30
n-Undecane	++++ 1.8	++++ -4.3	-9.0	-7.5	11.3	7.7	30	30	50	30	30	30
n-Dodecane	++++ 8.0	++++ 1.1	-27.5	-4.3	14.2	8.5	30	30	50	30	30	30
1,2,4-Trichlorobenzene	++++ -1.0	++++ 5.2	18.3	-8.4	-6.9	-7.2	30	30	50	30	30	30
Hexachlorobutadiene	++++ 2.7	-21.7 4.0	26.7	-0.8	-5.1	-5.7	30	50 30	30	30	30	30
Naphthalene	++++ 5.8	-48.0 8.6	24.7	-1.5	6.6	3.8	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	++++ -3.6	++++ 0.5	30.3	-8.6	-8.4	-10.2	30	30	50	30	30	30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_004.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 20-Dec-2024 17:03:38 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063469-004
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Dec-2024 12:43:59 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 06:41:32

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	4.273	0.010	83	1138	0.0351	0.0567	
2 Dichlorodifluoromethane	85	4.385	4.374	0.011	96	2253	0.0351	0.0272	
3 Chlorodifluoromethane	51	4.422	4.422	0.000	93	1246	0.0351	0.0260	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.748	4.749	-0.001	98	2509	0.0351	0.0288	
5 Chloromethane	50	4.882	4.872	0.010	86	785	0.0351	0.0277	
7 Butane	43	5.182	5.177	0.005	96	5130	0.0351	0.0786	
6 Vinyl chloride	62	5.176	5.182	-0.006	83	1887	0.0351	0.0390	
8 Butadiene	54	5.294	5.295	0.000	35	1883	0.0351	0.0490	
9 Bromomethane	94	6.048	6.049	-0.001	92	935	0.0351	0.0288	
10 Chloroethane	64	6.327	6.327	0.000	1	381	0.0351	0.0198	
12 2-Methylbutane	43	6.535	6.536	-0.001	91	1073	0.0351	0.0280	
13 Vinyl bromide	106	6.765	6.760	0.005	93	765	0.0351	0.0241	
14 Trichlorofluoromethane	101	6.920	6.921	-0.001	94	2715	0.0351	0.0313	
15 Pentane	43	7.134	7.129	0.005	88	1951	0.0351	0.0312	
16 Ethanol	45	7.386	7.327	0.059	1	837	0.0702	0.0483	
18 Ethyl ether	59	7.573	7.557	0.016	81	589	0.0351	0.0224	
19 Acrolein	56		7.814				ND	ND	
20 1,1-Dichloroethene	96	8.007	8.012	-0.005	90	1118	0.0351	0.0302	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	91	2571	0.0351	0.0320	
22 Acetone	43	8.151	8.103	0.048	95	3519	0.0351	0.0579	
23 Isopropyl alcohol	45	8.451	8.408	0.043	26	2191	0.0407	0.0356	
24 Carbon disulfide	76	8.413	8.413	0.000	95	3995	0.0351	0.0336	
25 Acetonitrile	41		8.633				ND	ND	
26 3-Chloro-1-propene	41	8.723	8.718	0.005	91	1981	0.0351	0.0369	
27 Methylene Chloride	49	8.964	8.964	0.000	92	2327	0.0351	0.0465	
28 2-Methyl-2-propanol	59	9.226	9.194	0.032	97	2140	0.0351	0.0268	
29 Acrylonitrile	53	9.430	9.387	0.043	87	666	0.0351	0.0209	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	94	1956	0.0351	0.0320	
31 Methyl tert-butyl ether	73	9.494	9.462	0.032	94	3259	0.0351	0.0301	
32 Hexane	57	9.975	9.970	0.005	91	1848	0.0351	0.0287	
S 35 1,2-Dichloroethene, Total	61				0		0.0702	0.0632	

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	10.253	10.248	0.005	94	2580	0.0351	0.0332	
34 Vinyl acetate	43	10.280	10.254	0.026	98	2243	0.0400	0.0257	
36 2-Butanone (MEK)	72	11.275	11.238	0.037	79	256	0.0351	0.0120	
37 cis-1,2-Dichloroethene	96	11.254	11.265	-0.011	91	1306	0.0351	0.0312	
38 Ethyl acetate	88		11.313				ND	ND	
* 39 Chlorobromomethane	128	11.676	11.677	-0.001	98	263842	10.0	10.0	
40 Tetrahydrofuran	42	11.741	11.714	0.027	59	1533	0.0351	0.0321	
41 Chloroform	83	11.858	11.859	-0.001	92	2921	0.0351	0.0335	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	93	2807	0.0351	0.0356	
43 Cyclohexane	84	12.286	12.287	-0.001	84	1440	0.0351	0.0282	
44 Carbon tetrachloride	117	12.425	12.431	-0.006	94	2452	0.0351	0.0318	
45 Benzene	78	12.795	12.790	0.005	94	4582	0.0351	0.0367	
46 1,2-Dichloroethane	62		12.875				ND	ND	
47 Isooctane	57		12.993				ND	ND	
48 n-Heptane	43	13.308	13.303	0.005	69	1468	0.0351	0.0200	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1238924	10.0	10.0	
50 n-Butanol	56	13.822	13.779	0.043	71	530	0.0351	0.0183	
51 Trichloroethene	95	13.972	13.966	0.006	86	1827	0.0351	0.0338	
53 1,2-Dichloropropane	63	14.437	14.432	0.005	42	1741	0.0351	0.0343	
54 Methyl methacrylate	69		14.518				ND	ND	
55 1,4-Dioxane	88	14.613	14.560	0.053	80	708	0.0351	0.0262	
57 Dibromomethane	174	14.603	14.592	0.011	89	1786	0.0351	0.0414	
58 Dichlorobromomethane	83	14.902	14.908	-0.006	93	2996	0.0351	0.0330	
59 cis-1,3-Dichloropropene	75	15.710	15.711	-0.001	91	2158	0.0351	0.0278	
61 4-Methyl-2-pentanone (MIBK)	43	15.994	15.978	0.016	91	2615	0.0351	0.0270	
62 Toluene	92	16.347	16.347	0.000	92	2288	0.0351	0.0285	
A 63 Toluene Range	1	16.355	(16.278-16.422)		0	7252	NC	NC	
64 n-Octane	43	16.588	16.577	0.011	81	2505	0.0351	0.0249	
A 65 C8 Range	1	16.583	(16.497-16.668)		0	9240	NC	NC	
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	93	1615	0.0351	0.0260	
67 1,1,2-Trichloroethane	83		17.150				ND	ND	
68 Tetrachloroethene	166	17.331	17.337	-0.006	85	1723	0.0351	0.0302	
69 2-Hexanone	43	17.583	17.562	0.021	85	1730	0.0351	0.0198	
70 Chlorodibromomethane	129	17.888	17.888	0.000	93	2361	0.0351	0.0294	
71 Ethylene Dibromide	107	18.128	18.129	-0.001	95	2243	0.0351	0.0295	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	90	1105198	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	58	3714	0.0351	0.0347	
75 Ethylbenzene	91	19.284	19.284	0.000	97	5621	0.0351	0.0314	
76 m-Xylene & p-Xylene	106	19.541	19.546	-0.005	0	3369	0.0702	0.0518	
77 n-Nonane	57	19.589	19.594	-0.005	91	2391	0.0351	0.0251	
S 80 Xylenes, Total	106				0		0.1052	0.0751	
78 o-Xylene	106	20.316	20.317	-0.001	93	1420	0.0351	0.0233	
79 Styrene	104	20.354	20.349	0.005	94	2178	0.0351	0.0217	
81 Bromoform	173	20.691	20.697	-0.005	90	1737	0.0351	0.0245	
82 Isopropylbenzene	105	20.985	20.985	0.000	97	4461	0.0351	0.0246	
83 1,1,2,2-Tetrachloroethane	83	21.509	21.510	-0.001	94	3916	0.0351	0.0327	
84 1,2,3-Trichloropropane	75	21.600	21.601	-0.001	96	3263	0.0351	0.0350	
85 N-Propylbenzene	91	21.681	21.681	0.000	97	6759	0.0351	0.0285	
86 2-Chlorotoluene	91	21.830	21.836	-0.006	94	4496	0.0351	0.0285	
87 4-Ethyltoluene	105	21.873	21.873	0.000	96	4512	0.0351	0.0249	
88 1,3,5-Trimethylbenzene	105	21.969	21.970	-0.001	90	3678	0.0351	0.0240	
89 n-Decane	57	21.985	21.986	-0.001	93	2629	0.0351	0.0210	

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	22.290	22.296	-0.006	84	1585	0.0351	0.0211	
91 tert-Butylbenzene	119	22.440	22.446	-0.006	87	3374	0.0351	0.0240	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	95	3471	0.0351	0.0228	
93 sec-Butylbenzene	105	22.761	22.762	-0.001	96	5439	0.0351	0.0242	
94 1,3-Dichlorobenzene	146	22.943	22.938	0.005	93	2973	0.0351	0.0288	
95 4-Isopropyltoluene	119	22.975	22.970	0.005	95	4070	0.0351	0.0228	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	88	3004	0.0351	0.0291	
97 Benzyl chloride	91	23.232	23.232	0.000	96	3014	0.0351	0.0207	
98 n-Butylbenzene	91	23.537	23.537	0.000	97	4095	0.0351	0.0216	
99 1,2-Dichlorobenzene	146	23.580	23.585	-0.005	89	2815	0.0351	0.0283	
100 Undecane	57	23.676	23.676	0.000	89	2005	0.0351	0.0153	
101 Dodecane	57	25.302	25.297	0.005	94	1412	0.0351	0.0125	
102 1,2,4-Trichlorobenzene	180	26.089	26.078	0.011	90	1837	0.0411	0.0273	
103 Hexachlorobutadiene	225	26.319	26.330	-0.011	80	1739	0.0394	0.0308	
104 Naphthalene	128	26.581	26.581	0.000	97	4130	0.0417	0.0277	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	89	1770	0.0409	0.0281	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00273

Amount Added: 35.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_004.D

Injection Date: 20-Dec-2024 17:03:38

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: IC

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

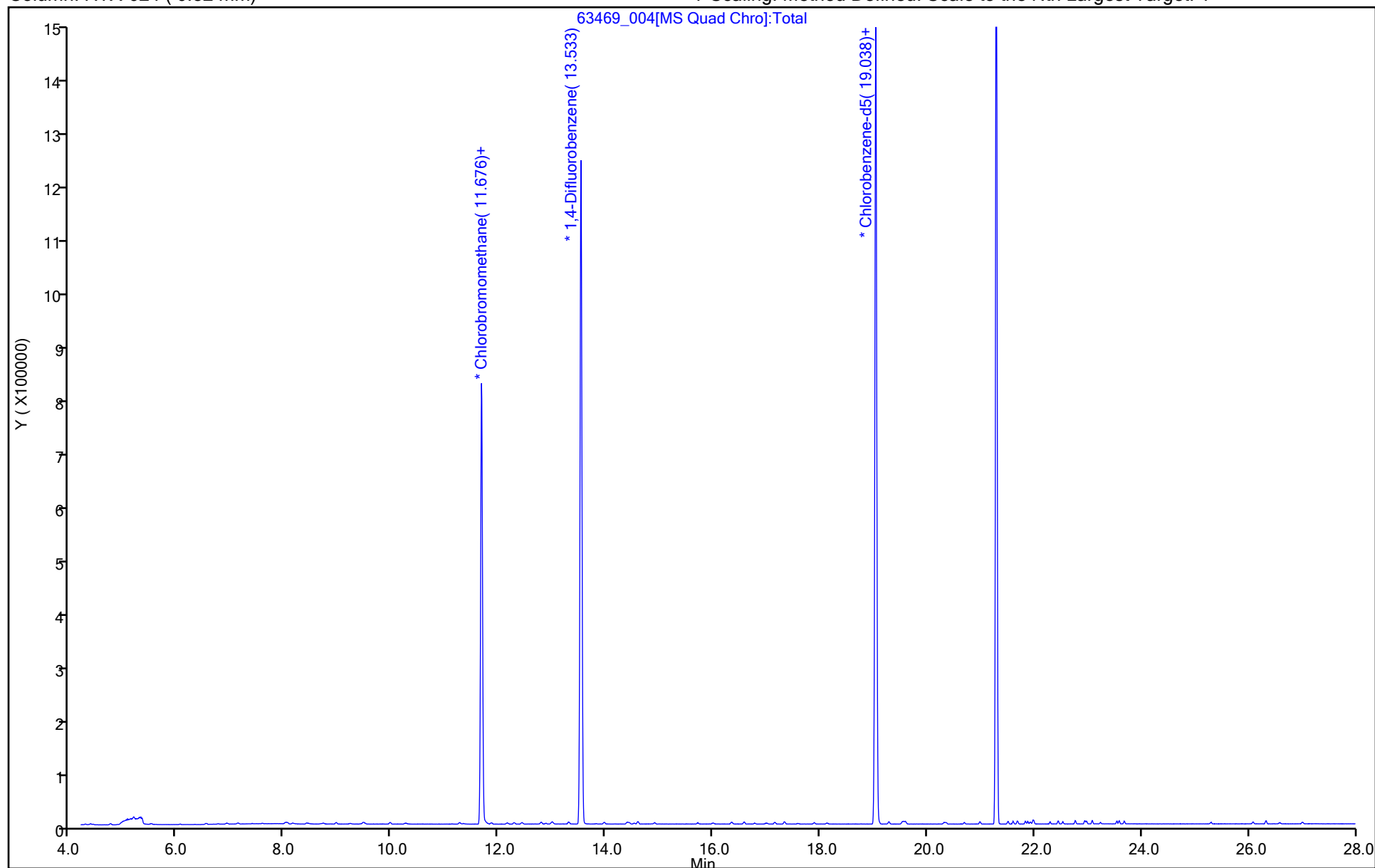
ALS Bottle#: 3

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\20241220-63469.b\63469_005.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 20-Dec-2024 17:54:47 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063469-005
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Dec-2024 12:44:03 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 06:42:12

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	4.273	4.273	0.000	92	3466	0.1704	0.1719	
2 Dichlorodifluoromethane	85	4.380	4.374	0.006	99	11334	0.1704	0.1365	
3 Chlorodifluoromethane	51	4.423	4.422	0.001	95	6596	0.1704	0.1372	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.744	4.749	-0.005	96	12842	0.1704	0.1469	
5 Chloromethane	50	4.877	4.872	0.005	98	4193	0.1704	0.1474	
7 Butane	43	5.177	5.177	0.000	98	14862	0.1704	0.2269	
6 Vinyl chloride	62	5.177	5.182	-0.005	76	9607	0.1704	0.1977	
8 Butadiene	54	5.289	5.295	-0.005	93	7656	0.1704	0.1984	
9 Bromomethane	94	6.044	6.049	-0.005	88	5006	0.1704	0.1536	
10 Chloroethane	64	6.327	6.327	0.000	95	2783	0.1704	0.1443	
12 2-Methylbutane	43	6.530	6.536	-0.006	89	5856	0.1704	0.1519	
13 Vinyl bromide	106	6.755	6.760	-0.005	97	4713	0.1704	0.1479	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	13869	0.1704	0.1594	
15 Pentane	43	7.130	7.129	0.001	93	9595	0.1704	0.1528	
16 Ethanol	45	7.370	7.327	0.043	98	5143	0.3408	0.2957	
18 Ethyl ether	59	7.579	7.557	0.022	88	3785	0.1704	0.1436	
19 Acrolein	56	7.841	7.814	0.027	90	2121	0.1995	0.1429	
20 1,1-Dichloroethene	96	8.007	8.012	-0.005	96	6428	0.1704	0.1728	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	91	13656	0.1704	0.1695	
22 Acetone	43	8.141	8.103	0.038	98	11926	0.1704	0.1956	
23 Isopropyl alcohol	45	8.446	8.408	0.038	98	10471	0.1975	0.1695	
24 Carbon disulfide	76	8.413	8.413	0.000	100	20049	0.1704	0.1680	
25 Acetonitrile	41	8.660	8.633	0.027	96	4144	0.1704	0.1319	
26 3-Chloro-1-propene	41	8.718	8.718	0.000	97	9560	0.1704	0.1773	
27 Methylene Chloride	49	8.959	8.964	-0.005	94	9680	0.1704	0.1928	
28 2-Methyl-2-propanol	59	9.216	9.194	0.022	95	11203	0.1704	0.1398	
29 Acrylonitrile	53	9.409	9.387	0.022	95	4670	0.1704	0.1462	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	95	10693	0.1704	0.1744	
31 Methyl tert-butyl ether	73	9.489	9.462	0.027	96	17002	0.1704	0.1565	
32 Hexane	57	9.970	9.970	0.000	92	10378	0.1704	0.1607	
S 35 1,2-Dichloroethene, Total	61				0		0.3407	0.3428	

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	10.248	10.248	0.000	100	13537	0.1704	0.1734	
34 Vinyl acetate	43	10.264	10.254	0.010	99	13882	0.1941	0.1587	
36 2-Butanone (MEK)	72	11.265	11.238	0.027	93	3080	0.1704	0.1442	
37 cis-1,2-Dichloroethene	96	11.260	11.265	-0.005	97	7087	0.1704	0.1684	
38 Ethyl acetate	88		11.313				ND	ND	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	98	264908	10.0	10.0	
40 Tetrahydrofuran	42	11.741	11.714	0.027	89	7207	0.1704	0.1491	
41 Chloroform	83	11.853	11.859	-0.006	96	15560	0.1704	0.1777	
42 1,1,1-Trichloroethane	97	12.153	12.158	-0.005	96	13751	0.1704	0.1722	
43 Cyclohexane	84	12.281	12.287	-0.006	96	8254	0.1704	0.1598	
44 Carbon tetrachloride	117	12.437	12.431	0.005	95	13288	0.1704	0.1700	
45 Benzene	78	12.790	12.790	0.000	98	22082	0.1704	0.1744	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	94	10087	0.1704	0.1789	
47 Isooctane	57	12.993	12.993	0.000	98	31489	0.1704	0.1544	
48 n-Heptane	43	13.309	13.303	0.005	88	11379	0.1704	0.1529	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1255105	10.0	10.0	
50 n-Butanol	56	13.806	13.779	0.027	92	3907	0.1704	0.1333	
51 Trichloroethene	95	13.967	13.966	0.001	91	9574	0.1704	0.1747	
53 1,2-Dichloropropane	63	14.437	14.432	0.005	91	8912	0.1704	0.1731	
54 Methyl methacrylate	69	14.523	14.518	0.005	94	6017	0.1704	0.1300	
55 1,4-Dioxane	88	14.598	14.560	0.038	53	4195	0.1704	0.1530	
57 Dibromomethane	174	14.592	14.592	0.000	90	7708	0.1704	0.1763	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	15222	0.1704	0.1654	
59 cis-1,3-Dichloropropene	75	15.716	15.711	0.005	95	11574	0.1704	0.1472	
61 4-Methyl-2-pentanone (MIBK)	43	15.994	15.978	0.016	98	12491	0.1704	0.1274	
62 Toluene	92	16.347	16.347	0.000	93	12972	0.1704	0.1594	
A 63 Toluene Range	1	16.355	(16.278-16.422)		0	51296	NC	NC	
64 n-Octane	43	16.583	16.577	0.006	89	14058	0.1704	0.1378	
A 65 C8 Range	1	16.583	(16.497-16.668)		0	55704	NC	NC	
66 trans-1,3-Dichloropropene	75	16.781	16.775	0.006	97	9167	0.1704	0.1458	
67 1,1,2-Trichloroethane	83	17.150	17.150	0.000	98	7665	0.1704	0.1660	
68 Tetrachloroethene	166	17.337	17.337	0.000	91	9899	0.1704	0.1710	
69 2-Hexanone	43	17.572	17.562	0.010	94	9494	0.1704	0.1072	
70 Chlorodibromomethane	129	17.893	17.888	0.005	96	11873	0.1704	0.1461	
71 Ethylene Dibromide	107	18.123	18.129	-0.006	96	12138	0.1704	0.1575	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	91	1120118	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	95	18858	0.1704	0.1738	
75 Ethylbenzene	91	19.279	19.284	-0.005	100	28841	0.1704	0.1591	
76 m-Xylene & p-Xylene	106	19.552	19.546	0.006	0	18899	0.3407	0.2869	
77 n-Nonane	57	19.595	19.594	0.000	89	13952	0.1704	0.1443	
S 80 Xylenes, Total	106				0		0.5111	0.4237	
78 o-Xylene	106	20.317	20.317	0.000	97	8446	0.1704	0.1368	
79 Styrene	104	20.349	20.349	0.000	99	12433	0.1704	0.1225	
81 Bromoform	173	20.691	20.697	-0.005	90	8595	0.1704	0.1196	
82 Isopropylbenzene	105	20.985	20.985	0.000	98	24697	0.1704	0.1343	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	20542	0.1704	0.1690	
84 1,2,3-Trichloropropane	75	21.601	21.601	0.000	98	15964	0.1704	0.1688	
85 N-Propylbenzene	91	21.681	21.681	0.000	97	35666	0.1704	0.1485	
86 2-Chlorotoluene	91	21.831	21.836	-0.005	96	26261	0.1704	0.1645	
87 4-Ethyltoluene	105	21.879	21.873	0.006	98	25181	0.1704	0.1369	
88 1,3,5-Trimethylbenzene	105	21.964	21.970	-0.006	91	21395	0.1704	0.1377	
89 n-Decane	57	21.986	21.986	0.000	92	16340	0.1704	0.1286	

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	86	8875	0.1704	0.1167	
91 tert-Butylbenzene	119	22.441	22.446	-0.005	89	19896	0.1704	0.1395	
92 1,2,4-Trimethylbenzene	105	22.526	22.531	-0.005	99	20322	0.1704	0.1318	
93 sec-Butylbenzene	105	22.762	22.762	0.000	98	31774	0.1704	0.1396	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	96	14841	0.1704	0.1417	
95 4-Isopropyltoluene	119	22.970	22.970	0.000	97	23175	0.1704	0.1279	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	90	14799	0.1704	0.1414	
97 Benzyl chloride	91	23.232	23.232	0.000	97	16006	0.1704	0.1087	
98 n-Butylbenzene	91	23.537	23.537	0.000	97	23796	0.1704	0.1239	
99 1,2-Dichlorobenzene	146	23.580	23.585	-0.005	93	14522	0.1704	0.1439	
100 Undecane	57	23.676	23.676	0.000	93	13767	0.1704	0.1038	
101 Dodecane	57	25.297	25.297	0.000	91	8957	0.1704	0.0782	
102 1,2,4-Trichlorobenzene	180	26.084	26.078	0.006	78	7634	0.1998	0.1119	
103 Hexachlorobutadiene	225	26.325	26.330	-0.005	87	8592	0.1915	0.1500	
104 Naphthalene	128	26.576	26.581	-0.005	98	15894	0.2026	0.1052	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	92	7598	0.1985	0.1190	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00273

Amount Added: 170.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_005.D

Injection Date: 20-Dec-2024 17:54:47

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

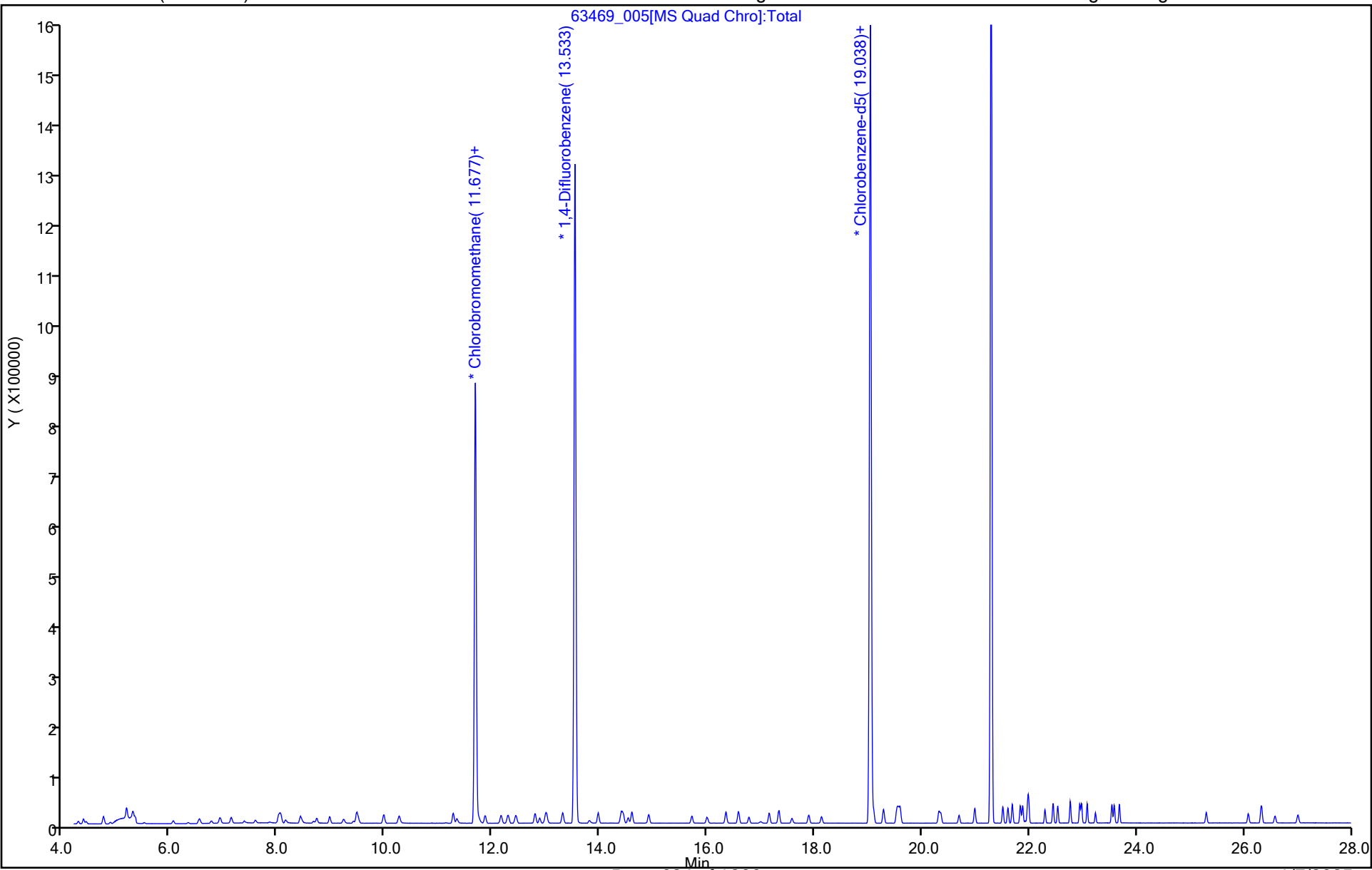
ALS Bottle#: 4

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\20241220-63469.b\63469_009.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 20-Dec-2024 21:19:33 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063469-009
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Dec-2024 12:44:06 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 06:44:03

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	4.273	4.273	0.000	98	157506	10.0	8.15	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	619433	10.0	7.78	
3 Chlorodifluoromethane	51	4.422	4.422	0.000	97	364810	10.0	7.91	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	0.000	97	680257	10.0	8.12	
5 Chloromethane	50	4.872	4.872	0.000	99	217245	10.0	7.97	
7 Butane	43	5.177	5.177	0.000	99	742956	10.0	11.8	
6 Vinyl chloride	62	5.182	5.182	0.000	100	533515	10.0	11.5	
8 Butadiene	54	5.295	5.295	0.000	92	400207	10.0	10.8	
9 Bromomethane	94	6.049	6.049	0.000	98	260533	10.0	8.34	
10 Chloroethane	64	6.327	6.327	0.000	100	157686	10.0	8.53	
12 2-Methylbutane	43	6.536	6.536	0.000	93	327267	10.0	8.86	
13 Vinyl bromide	106	6.760	6.760	0.000	98	263811	10.0	8.64	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	751683	10.0	9.01	
15 Pentane	43	7.129	7.129	0.000	96	548172	10.0	9.11	
16 Ethanol	45	7.327	7.327	0.000	98	224379	15.0	13.5	
18 Ethyl ether	59	7.557	7.557	0.000	94	241427	10.0	9.55	
19 Acrolein	56	7.814	7.814	0.000	96	157915	11.7	11.1	
20 1,1-Dichloroethene	96	8.012	8.012	0.000	94	344171	10.0	9.65	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	91	736188	10.0	9.53	
22 Acetone	43	8.103	8.103	0.000	98	561329	10.0	9.60	
23 Isopropyl alcohol	45	8.408	8.408	0.000	100	689356	11.6	11.6	
24 Carbon disulfide	76	8.413	8.413	0.000	100	1135484	10.0	9.92	
25 Acetonitrile	41	8.633	8.633	0.000	98	297362	10.0	9.87	
26 3-Chloro-1-propene	41	8.718	8.718	0.000	98	509219	10.0	9.85	
27 Methylene Chloride	49	8.964	8.964	0.000	97	508359	10.0	10.6	
28 2-Methyl-2-propanol	59	9.194	9.194	0.000	98	798433	10.0	10.4	
29 Acrylonitrile	53	9.387	9.387	0.000	94	309817	10.0	10.1	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	93	627990	10.0	10.7	
31 Methyl tert-butyl ether	73	9.462	9.462	0.000	98	1101160	10.0	10.6	
32 Hexane	57	9.970	9.970	0.000	93	657174	10.0	10.6	
S 35 1,2-Dichloroethene, Total	61				0		20.0	21.1	

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	10.248	10.248	0.000	100	796090	10.0	10.6	
34 Vinyl acetate	43	10.254	10.254	0.000	100	1001534	11.4	11.9	
36 2-Butanone (MEK)	72	11.238	11.238	0.000	100	205634	10.0	10.0	
37 cis-1,2-Dichloroethene	96	11.265	11.265	0.000	98	421574	10.0	10.4	
38 Ethyl acetate	88	11.313	11.313	0.000	99	33409	10.0	10.0	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	97	253975	10.0	10.0	
40 Tetrahydrofuran	42	11.714	11.714	0.000	93	491783	10.0	10.3	
41 Chloroform	83	11.859	11.859	0.000	97	865625	10.0	10.3	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	97	798364	10.0	10.2	
43 Cyclohexane	84	12.287	12.287	0.000	97	517570	10.0	10.2	
44 Carbon tetrachloride	117	12.431	12.431	0.000	96	794518	10.0	10.3	
45 Benzene	78	12.790	12.790	0.000	97	1254972	10.0	10.1	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	93	581477	10.0	10.5	
47 Isooctane	57	12.993	12.993	0.000	99	2136048	10.0	10.7	
48 n-Heptane	43	13.303	13.303	0.000	94	785381	10.0	10.7	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	97	1234076	10.0	10.0	
50 n-Butanol	56	13.779	13.779	0.000	90	294504	10.0	10.2	
51 Trichloroethene	95	13.966	13.966	0.000	92	542797	10.0	10.1	
53 1,2-Dichloropropane	63	14.432	14.432	0.000	92	526161	10.0	10.4	
54 Methyl methacrylate	69	14.518	14.518	0.000	95	468541	10.0	10.3	
55 1,4-Dioxane	88	14.560	14.560	0.000	98	258324	10.0	9.58	
57 Dibromomethane	174	14.592	14.592	0.000	88	396930	10.0	9.23	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	947223	10.0	10.5	
59 cis-1,3-Dichloropropene	75	15.711	15.711	0.000	95	808963	10.0	10.5	
61 4-Methyl-2-pentanone (MIBK)	43	15.978	15.978	0.000	97	1036655	10.0	10.8	
62 Toluene	92	16.347	16.347	0.000	93	833232	10.0	10.2	
A 63 Toluene Range	1	16.350	(16.278-16.422)	0	3537153	NC	NC		
64 n-Octane	43	16.577	16.577	0.000	94	1113822	10.0	11.1	
A 65 C8 Range	1	16.583	(16.497-16.668)	0	4177300	NC	NC		
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	98	650093	10.0	10.5	
67 1,1,2-Trichloroethane	83	17.150	17.150	0.000	97	475082	10.0	10.3	
68 Tetrachloroethene	166	17.337	17.337	0.000	91	558210	10.0	9.63	
69 2-Hexanone	43	17.562	17.562	0.000	93	979703	10.0	11.1	
70 Chlorodibromomethane	129	17.888	17.888	0.000	97	844250	10.0	10.4	
71 Ethylene Dibromide	107	18.129	18.129	0.000	100	785359	10.0	10.2	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	90	1121581	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	90	1071765	10.0	9.86	
75 Ethylbenzene	91	19.284	19.284	0.000	99	1888160	10.0	10.4	
76 m-Xylene & p-Xylene	106	19.546	19.546	0.000	0	1379659	20.0	20.9	
77 n-Nonane	57	19.594	19.594	0.000	92	1067212	10.0	11.0	
S 80 Xylenes, Total	106				0		30.0	31.4	
78 o-Xylene	106	20.317	20.317	0.000	97	648652	10.0	10.5	
79 Styrene	104	20.349	20.349	0.000	99	1090280	10.0	10.7	
81 Bromoform	173	20.697	20.697	0.000	92	743442	10.0	10.3	
82 Isopropylbenzene	105	20.985	20.985	0.000	99	1971996	10.0	10.7	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	1267318	10.0	10.4	
84 1,2,3-Trichloropropane	75	21.601	21.601	0.000	98	959569	10.0	10.1	
85 N-Propylbenzene	91	21.681	21.681	0.000	98	2602122	10.0	10.8	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	1635244	10.0	10.2	
87 4-Ethyltoluene	105	21.873	21.873	0.000	98	1967889	10.0	10.7	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	91	1671998	10.0	10.7	
89 n-Decane	57	21.986	21.986	0.000	91	1405258	10.0	11.0	

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	84	827629	10.0	10.9	
91 tert-Butylbenzene	119	22.446	22.446	0.000	90	1502792	10.0	10.5	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	99	1669640	10.0	10.8	
93 sec-Butylbenzene	105	22.762	22.762	0.000	98	2487384	10.0	10.9	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	98	1054613	10.0	10.1	
95 4-Isopropyltoluene	119	22.970	22.970	0.000	97	1967389	10.0	10.8	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	90	1039657	10.0	9.92	
97 Benzyl chloride	91	23.232	23.232	0.000	97	1660150	10.0	11.3	
98 n-Butylbenzene	91	23.537	23.537	0.000	98	2195995	10.0	11.4	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	92	1012600	10.0	10.0	
100 Undecane	57	23.676	23.676	0.000	96	1477686	10.0	11.1	
101 Dodecane	57	25.297	25.297	0.000	96	1309380	10.0	11.4	
102 1,2,4-Trichlorobenzene	180	26.078	26.078	0.000	93	745439	11.7	10.9	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	92	611560	11.2	10.7	
104 Naphthalene	128	26.581	26.581	0.000	98	1916920	11.9	12.7	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	94	681685	11.6	10.7	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00831

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_009.D

Injection Date: 20-Dec-2024 21:19:33

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: ICIS

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

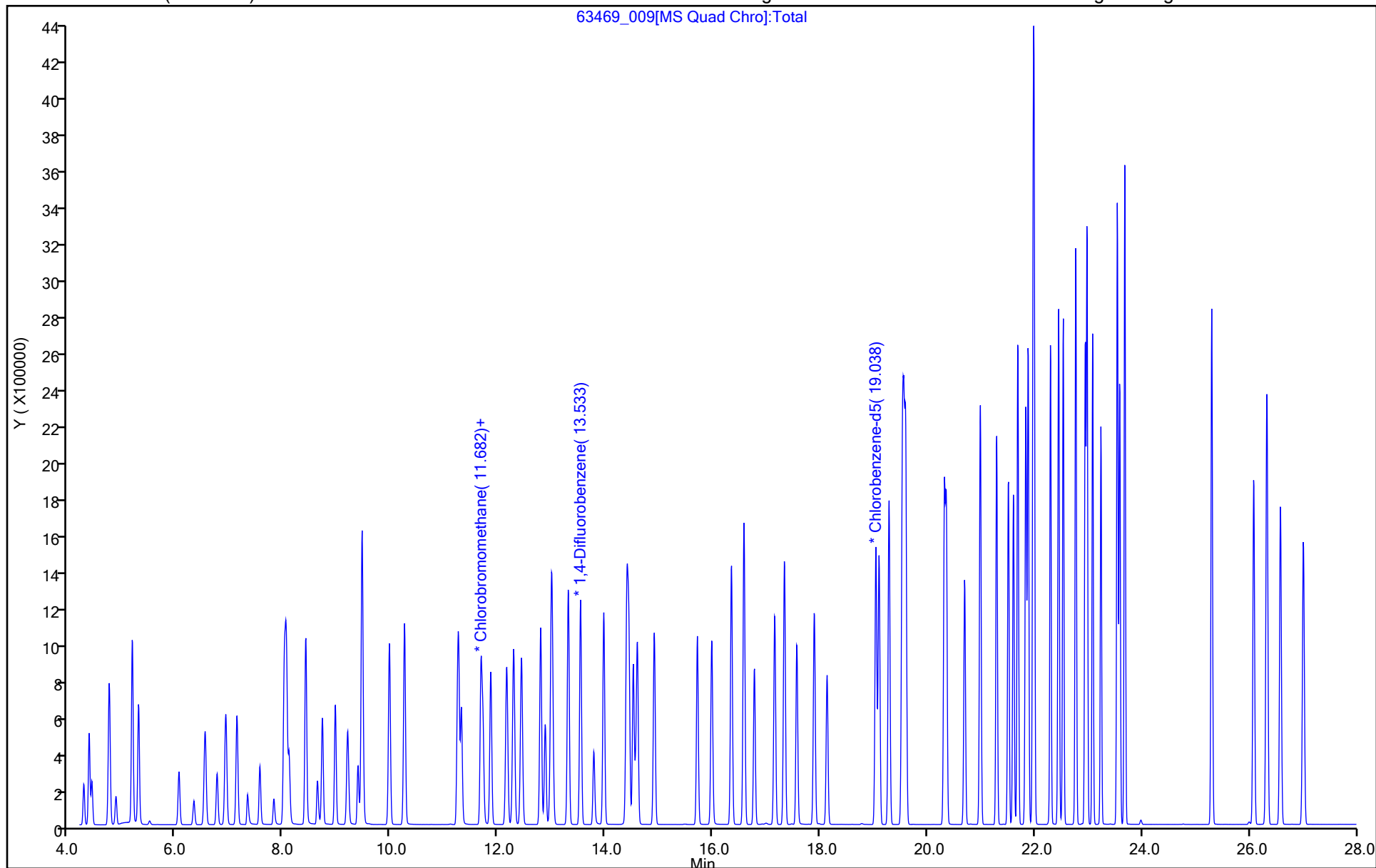
ALS Bottle#: 8

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\20241220-63469.b\63469_010.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 20-Dec-2024 22:10:51 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063469-010
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Dec-2024 12:44:10 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 06:44:29

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	4.273	4.273	0.000	98	254611	15.0	12.2	
2 Dichlorodifluoromethane	85	4.375	4.374	0.001	99	1006599	15.0	11.7	
3 Chlorodifluoromethane	51	4.423	4.422	0.001	97	585297	15.0	11.7	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	0.000	97	1093836	15.0	12.1	
5 Chloromethane	50	4.877	4.872	0.005	99	348455	15.0	11.8	
7 Butane	43	5.177	5.177	0.000	98	1090979	15.0	16.1	
6 Vinyl chloride	62	5.177	5.182	-0.005	100	781942	15.0	15.5	
8 Butadiene	54	5.295	5.295	0.001	91	574528	15.0	14.4	
9 Bromomethane	94	6.049	6.049	0.000	99	418072	15.0	12.4	
10 Chloroethane	64	6.327	6.327	0.000	100	248771	15.0	12.4	
12 2-Methylbutane	43	6.536	6.536	0.000	92	515671	15.0	12.9	
13 Vinyl bromide	106	6.761	6.760	0.001	99	430493	15.0	13.0	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	1194495	15.0	13.2	
15 Pentane	43	7.130	7.129	0.001	96	857265	15.0	13.2	
16 Ethanol	45	7.328	7.327	0.001	98	306775	20.0	17.0	
18 Ethyl ether	59	7.552	7.557	-0.005	94	381223	15.0	14.0	
19 Acrolein	56	7.814	7.814	0.000	96	249248	17.6	16.2	
20 1,1-Dichloroethene	96	8.012	8.012	0.000	94	544712	15.0	14.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	91	1170483	15.0	14.0	
22 Acetone	43	8.098	8.103	-0.005	98	863471	15.0	13.7	
23 Isopropyl alcohol	45	8.408	8.408	0.000	100	1086429	17.4	17.0	
24 Carbon disulfide	76	8.414	8.413	0.001	100	1770965	15.0	14.3	
25 Acetonitrile	41	8.628	8.633	-0.005	99	459424	15.0	14.1	
26 3-Chloro-1-propene	41	8.724	8.718	0.006	98	793396	15.0	14.2	
27 Methylene Chloride	49	8.965	8.964	0.001	97	773113	15.0	14.9	
28 2-Methyl-2-propanol	59	9.184	9.194	-0.010	99	1263316	15.0	15.2	
29 Acrylonitrile	53	9.382	9.387	-0.005	94	478798	15.0	14.5	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	81	970697	15.0	15.3	
31 Methyl tert-butyl ether	73	9.462	9.462	0.000	98	1720848	15.0	15.3	
32 Hexane	57	9.970	9.970	0.000	94	1013558	15.0	15.1	
S 35 1,2-Dichloroethene, Total	61				0		30.0	30.3	

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	10.249	10.248	0.001	100	1224403	15.0	15.1	
34 Vinyl acetate	43	10.254	10.254	0.000	100	1612691	17.1	17.8	
36 2-Butanone (MEK)	72	11.238	11.238	0.000	100	325774	15.0	14.7	
37 cis-1,2-Dichloroethene	96	11.265	11.265	0.000	94	654456	15.0	15.0	
38 Ethyl acetate	88	11.308	11.313	-0.005	99	52321	15.0	14.5	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	98	274607	10.0	10.0	
40 Tetrahydrofuran	42	11.709	11.714	-0.005	93	751568	15.0	14.8	
41 Chloroform	83	11.859	11.859	0.000	97	1338709	15.0	14.8	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	97	1248211	15.0	14.9	
43 Cyclohexane	84	12.287	12.287	0.000	97	808439	15.0	14.9	
44 Carbon tetrachloride	117	12.431	12.431	0.000	96	1242016	15.0	15.1	
45 Benzene	78	12.790	12.790	0.000	97	1942086	15.0	14.6	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	93	894509	15.0	15.1	
47 Isooctane	57	12.998	12.993	0.005	99	3275630	15.0	15.3	
48 n-Heptane	43	13.303	13.303	0.000	94	1208783	15.0	15.5	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1316903	10.0	10.0	
50 n-Butanol	56	13.779	13.779	0.000	90	465231	15.0	15.1	
51 Trichloroethene	95	13.967	13.966	0.001	92	846908	15.0	14.7	
53 1,2-Dichloropropane	63	14.432	14.432	0.000	92	812735	15.0	15.0	
54 Methyl methacrylate	69	14.518	14.518	0.000	95	733188	15.0	15.1	
55 1,4-Dioxane	88	14.561	14.560	0.000	98	403997	15.0	14.0	
57 Dibromomethane	174	14.593	14.592	0.001	89	631036	15.0	13.8	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	1477709	15.0	15.3	
59 cis-1,3-Dichloropropene	75	15.711	15.711	0.000	94	1278790	15.0	15.5	
61 4-Methyl-2-pentanone (MIBK)	43	15.978	15.978	0.000	97	1613095	15.0	15.7	
62 Toluene	92	16.347	16.347	0.000	93	1303512	15.0	15.0	
A 63 Toluene Range	1	16.350	(16.278-16.422)	0	5497290	NC	NC		
64 n-Octane	43	16.583	16.577	0.006	94	1707217	15.0	16.0	
A 65 C8 Range	1	16.583	(16.497-16.668)	0	6442224	NC	NC		
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	98	1021613	15.0	15.5	
67 1,1,2-Trichloroethane	83	17.155	17.150	0.005	97	736042	15.0	14.9	
68 Tetrachloroethene	166	17.337	17.337	0.000	91	887741	15.0	14.3	
69 2-Hexanone	43	17.562	17.562	0.000	93	1535513	15.0	16.2	
70 Chlorodibromomethane	129	17.893	17.888	0.005	97	1331477	15.0	15.3	
71 Ethylene Dibromide	107	18.129	18.129	0.000	99	1233374	15.0	14.9	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	90	1199781	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	90	1670562	15.0	14.4	
75 Ethylbenzene	91	19.284	19.284	0.000	99	2937509	15.0	15.1	
76 m-Xylene & p-Xylene	106	19.547	19.546	0.000	0	2168607	30.0	30.7	
77 n-Nonane	57	19.595	19.594	0.001	92	1656381	15.0	16.0	
S 80 Xylenes, Total	106				0		45.0	46.3	
78 o-Xylene	106	20.317	20.317	0.000	97	1027406	15.0	15.5	
79 Styrene	104	20.354	20.349	0.005	99	1729768	15.0	15.9	
81 Bromoform	173	20.691	20.697	-0.005	92	1190630	15.0	15.5	
82 Isopropylbenzene	105	20.986	20.985	0.001	98	3094266	15.0	15.7	
83 1,1,2,2-Tetrachloroethane	83	21.505	21.510	-0.005	98	1965594	15.0	15.1	
84 1,2,3-Trichloropropane	75	21.601	21.601	0.000	99	1484811	15.0	14.7	
85 N-Propylbenzene	91	21.686	21.681	0.005	98	4026444	15.0	15.6	
86 2-Chlorotoluene	91	21.831	21.836	-0.005	96	2568309	15.0	15.0	
87 4-Ethyltoluene	105	21.874	21.873	0.001	98	3070888	15.0	15.6	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	91	2636921	15.0	15.8	
89 n-Decane	57	21.986	21.986	0.000	91	2188166	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	84	1318403	15.0	16.2	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	2353362	15.0	15.4	
92 1,2,4-Trimethylbenzene	105	22.532	22.531	0.001	99	2611802	15.0	15.8	
93 sec-Butylbenzene	105	22.767	22.762	0.005	98	3872782	15.0	15.9	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	98	1664902	15.0	14.8	
95 4-Isopropyltoluene	119	22.976	22.970	0.006	97	3110344	15.0	16.0	
96 1,4-Dichlorobenzene	146	23.083	23.077	0.006	91	1643684	15.0	14.7	
97 Benzyl chloride	91	23.233	23.232	0.000	97	2633106	15.0	16.7	
98 n-Butylbenzene	91	23.537	23.537	0.000	98	3422505	15.0	16.6	
99 1,2-Dichlorobenzene	146	23.580	23.585	-0.005	92	1589748	15.0	14.7	
100 Undecane	57	23.677	23.676	0.001	95	2295137	15.0	16.2	
101 Dodecane	57	25.298	25.297	0.001	97	1996228	15.0	16.3	
102 1,2,4-Trichlorobenzene	180	26.084	26.078	0.006	93	1192979	17.6	16.3	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	93	976055	16.9	15.9	
104 Naphthalene	128	26.581	26.581	0.000	98	2994571	17.8	18.5	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	94	1073575	17.5	15.7	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL5w_00150

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Dec-2024 12:44:10

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_010.D

Injection Date: 20-Dec-2024 22:10:51

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

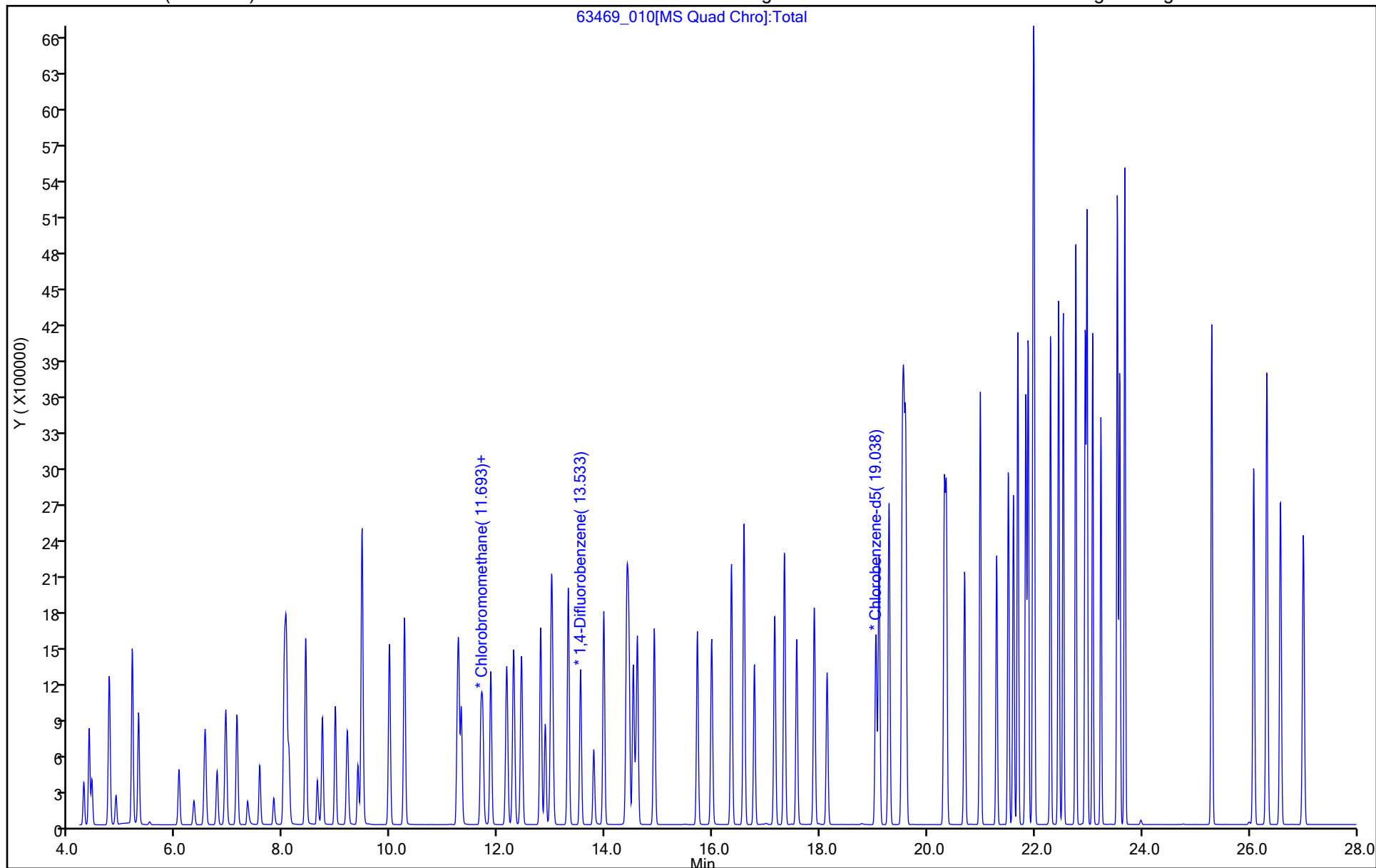
ALS Bottle#: 9

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\20241220-63469.b\63469_013.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 21-Dec-2024 00:44:31 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063469-013
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Dec-2024 12:44:14 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 06:45:05

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	4.273	4.273	0.000	99	467251	20.0	20.8	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	1794544	20.0	19.4	
3 Chlorodifluoromethane	51	4.423	4.422	0.001	97	1032990	20.0	19.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.744	4.749	-0.005	95	1944212	20.0	20.0	
5 Chloromethane	50	4.872	4.872	0.000	99	605562	20.0	19.1	
7 Butane	43	5.177	5.177	0.000	98	1337311	20.0	18.4	
6 Vinyl chloride	62	5.177	5.182	-0.005	100	951250	20.0	17.6	
8 Butadiene	54	5.295	5.295	0.001	92	718955	20.0	16.8	
9 Bromomethane	94	6.049	6.049	0.000	99	729252	20.0	20.1	
10 Chloroethane	64	6.327	6.327	0.000	100	421681	20.0	19.7	
12 2-Methylbutane	43	6.536	6.536	0.000	92	845891	20.0	19.7	
13 Vinyl bromide	106	6.755	6.760	-0.005	99	718182	20.0	20.3	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	99	1884325	20.0	19.5	
15 Pentane	43	7.130	7.129	0.001	96	1358014	20.0	19.5	
16 Ethanol	45	7.322	7.327	-0.005	98	742139	40.0	38.4	
18 Ethyl ether	59	7.552	7.557	-0.005	93	590811	20.0	20.2	
19 Acrolein	56	7.814	7.814	0.000	96	379329	23.4	23.0	
20 1,1-Dichloroethene	96	8.007	8.012	-0.005	95	820242	20.0	19.8	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.044	8.044	0.000	93	1723978	20.0	19.2	
22 Acetone	43	8.092	8.103	-0.011	97	1240464	20.0	18.3	
23 Isopropyl alcohol	45	8.397	8.408	-0.011	100	1548932	23.2	22.5	
24 Carbon disulfide	76	8.413	8.413	0.000	100	2536567	20.0	19.1	
25 Acetonitrile	41	8.622	8.633	-0.011	99	670979	20.0	19.2	
26 3-Chloro-1-propene	41	8.718	8.718	0.000	96	1134042	20.0	18.9	
27 Methylene Chloride	49	8.959	8.964	-0.005	96	1053263	20.0	18.9	
28 2-Methyl-2-propanol	59	9.178	9.194	-0.016	99	1742962	20.0	19.6	
29 Acrylonitrile	53	9.382	9.387	-0.005	94	701218	20.0	19.7	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	98	1310728	20.0	19.2	
31 Methyl tert-butyl ether	73	9.457	9.462	-0.005	98	2362596	20.0	19.6	
32 Hexane	57	9.970	9.970	0.000	94	1407293	20.0	19.6	
S 35 1,2-Dichloroethene, Total	61				0		40.0	38.8	

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	10.248	10.248	0.000	100	1655630	20.0	19.1	
34 Vinyl acetate	43	10.254	10.254	0.000	100	2216148	22.8	22.8	
36 2-Butanone (MEK)	72	11.233	11.238	-0.005	100	452146	20.0	19.0	
37 cis-1,2-Dichloroethene	96	11.260	11.265	-0.005	97	914329	20.0	19.5	
38 Ethyl acetate	88	11.308	11.313	-0.005	100	74690	20.0	19.3	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	98	294595	10.0	10.0	
40 Tetrahydrofuran	42	11.709	11.714	-0.005	94	1051271	20.0	19.4	
41 Chloroform	83	11.859	11.859	0.000	96	1825501	20.0	18.7	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	98	1714217	20.0	19.2	
43 Cyclohexane	84	12.287	12.287	0.000	97	1135720	20.0	19.6	
44 Carbon tetrachloride	117	12.431	12.431	0.000	97	1724350	20.0	19.7	
45 Benzene	78	12.790	12.790	0.000	97	2706503	20.0	19.1	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	94	1182132	20.0	18.7	
47 Isooctane	57	12.998	12.993	0.005	99	4529919	20.0	19.8	
48 n-Heptane	43	13.303	13.303	0.000	94	1679207	20.0	20.1	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1405010	10.0	10.0	
50 n-Butanol	56	13.779	13.779	0.000	89	663361	20.0	20.2	
51 Trichloroethene	95	13.967	13.966	0.001	94	1178898	20.0	19.2	
53 1,2-Dichloropropane	63	14.432	14.432	0.000	92	1109052	20.0	19.2	
54 Methyl methacrylate	69	14.518	14.518	0.000	96	1027823	20.0	19.8	
55 1,4-Dioxane	88	14.555	14.560	-0.005	97	559104	20.0	18.2	
57 Dibromomethane	174	14.592	14.592	0.000	92	937535	20.0	19.2	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	2005243	20.0	19.5	
59 cis-1,3-Dichloropropene	75	15.711	15.711	0.000	93	1778288	20.0	20.2	
61 4-Methyl-2-pentanone (MIBK)	43	15.973	15.978	-0.005	97	2204474	20.0	20.1	
62 Toluene	92	16.347	16.347	0.000	94	1847031	20.0	19.7	
A 63 Toluene Range	1	16.350	(16.278-16.422)	0	7565550	NC	NC		
64 n-Octane	43	16.577	16.577	0.000	94	2359729	20.0	20.7	
A 65 C8 Range	1	16.583	(16.497-16.668)	0	8759753	NC	NC		
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	97	1415083	20.0	20.1	
67 1,1,2-Trichloroethane	83	17.150	17.150	0.000	97	1011935	20.0	19.1	
68 Tetrachloroethene	166	17.337	17.337	0.000	97	1321281	20.0	19.9	
69 2-Hexanone	43	17.562	17.562	0.000	94	2115470	20.0	20.8	
70 Chlorodibromomethane	129	17.888	17.888	0.000	98	1874402	20.0	20.1	
71 Ethylene Dibromide	107	18.129	18.129	0.000	98	1727479	20.0	19.5	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	88	1287945	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	92	2374765	20.0	19.0	
75 Ethylbenzene	91	19.284	19.284	0.000	99	4095247	20.0	19.7	
76 m-Xylene & p-Xylene	106	19.546	19.546	0.000	0	3044066	40.0	40.2	
77 n-Nonane	57	19.594	19.594	0.000	91	2237854	20.0	20.1	
S 80 Xylenes, Total	106				0		60.0	60.7	
78 o-Xylene	106	20.317	20.317	0.000	98	1458089	20.0	20.5	
79 Styrene	104	20.354	20.349	0.005	100	2465057	20.0	21.1	
81 Bromoform	173	20.691	20.697	-0.005	94	1745438	20.0	21.1	
82 Isopropylbenzene	105	20.985	20.985	0.000	98	4323834	20.0	20.5	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	2658127	20.0	19.0	
84 1,2,3-Trichloropropane	75	21.601	21.601	0.000	99	2043056	20.0	18.8	
85 N-Propylbenzene	91	21.686	21.681	0.005	98	5494279	20.0	19.9	
86 2-Chlorotoluene	91	21.831	21.836	-0.005	96	3538899	20.0	19.3	
87 4-Ethyltoluene	105	21.879	21.873	0.006	98	4287338	20.0	20.3	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	92	3624126	20.0	20.3	
89 n-Decane	57	21.986	21.986	0.000	91	2910056	20.0	19.9	

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	86	1912254	20.0	21.9	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	3340496	20.0	20.4	
92 1,2,4-Trimethylbenzene	105	22.532	22.531	0.001	98	3651871	20.0	20.6	
93 sec-Butylbenzene	105	22.767	22.762	0.005	98	5308374	20.0	20.3	
94 1,3-Dichlorobenzene	146	22.943	22.938	0.005	98	2388070	20.0	19.8	
95 4-Isopropyltoluene	119	22.976	22.970	0.006	97	4355036	20.0	20.9	
96 1,4-Dichlorobenzene	146	23.083	23.077	0.006	92	2393538	20.0	19.9	
97 Benzyl chloride	91	23.232	23.232	0.000	98	3655587	20.0	21.6	
98 n-Butylbenzene	91	23.537	23.537	0.000	99	4617143	20.0	20.9	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	94	2322960	20.0	20.0	
100 Undecane	57	23.676	23.676	0.000	96	3102667	20.0	20.4	
101 Dodecane	57	25.297	25.297	0.000	97	2844864	20.0	21.6	
102 1,2,4-Trichlorobenzene	180	26.084	26.078	0.006	94	1821609	23.5	23.2	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	96	1520048	22.5	23.1	
104 Naphthalene	128	26.581	26.581	0.000	98	4369716	23.8	25.2	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	94	1647970	23.3	22.5	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00239

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Dec-2024 12:44:14

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_013.D

Injection Date: 21-Dec-2024 00:44:31

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 13

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

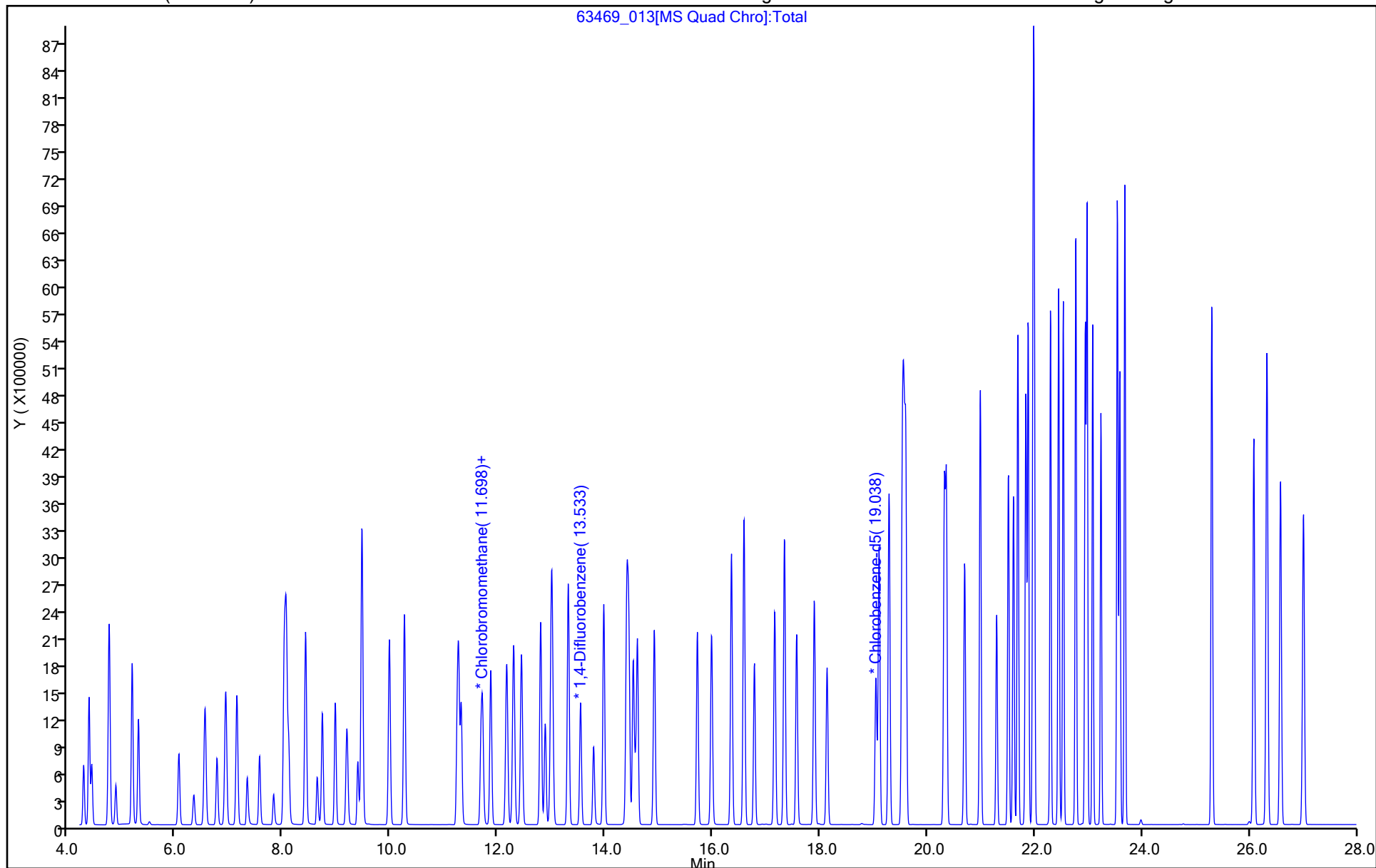
ALS Bottle#: 12

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\20241220-63469.b\63469_014.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 21-Dec-2024 01:35:43 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063469-014
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Dec-2024 12:44:18 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 06:45:50

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	4.273	0.005	98	1087428	40.0	45.3	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	4004100	40.0	40.5	
3 Chlorodifluoromethane	51	4.422	4.422	0.000	97	2329608	40.0	40.7	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	0.000	95	4345726	40.0	41.8	
5 Chloromethane	50	4.872	4.872	0.000	99	1373428	40.0	40.5	
7 Butane	43	5.177	5.177	0.000	98	2692082	40.0	34.5	
6 Vinyl chloride	62	5.182	5.182	0.000	100	1903390	40.0	32.9	
8 Butadiene	54	5.294	5.295	0.000	92	1445903	40.0	31.5	
9 Bromomethane	94	6.049	6.049	0.000	99	1608204	40.0	41.4	
10 Chloroethane	64	6.327	6.327	0.000	100	928309	40.0	40.4	
12 2-Methylbutane	43	6.536	6.536	0.000	93	1887544	40.0	41.1	
13 Vinyl bromide	106	6.760	6.760	0.000	99	1574941	40.0	41.5	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	99	4088396	40.0	39.5	
15 Pentane	43	7.129	7.129	0.000	96	2975219	40.0	39.8	
16 Ethanol	45	7.317	7.327	-0.010	98	2012323	100.0	97.1	
18 Ethyl ether	59	7.547	7.557	-0.010	93	1290934	40.0	41.1	
19 Acrolein	56	7.809	7.814	-0.005	95	835473	46.8	47.3	
20 1,1-Dichloroethene	96	8.012	8.012	0.000	97	1768720	40.0	39.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	94	3685651	40.0	38.4	
22 Acetone	43	8.092	8.103	-0.011	97	2672033	40.0	36.8	
23 Isopropyl alcohol	45	8.397	8.408	-0.011	99	3299627	46.4	44.8	
24 Carbon disulfide	76	8.413	8.413	0.000	100	5309823	40.0	37.4	
25 Acetonitrile	41	8.622	8.633	-0.011	99	1441531	40.0	38.5	
26 3-Chloro-1-propene	41	8.724	8.718	0.006	96	2402864	40.0	37.4	
27 Methylene Chloride	49	8.964	8.964	0.000	96	2198040	40.0	36.8	
28 2-Methyl-2-propanol	59	9.173	9.194	-0.021	100	3696477	40.0	38.7	
29 Acrylonitrile	53	9.382	9.387	-0.005	94	1479176	40.0	38.9	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	98	2734340	40.0	37.5	
31 Methyl tert-butyl ether	73	9.457	9.462	-0.005	98	4970535	40.0	38.4	
32 Hexane	57	9.970	9.970	0.000	94	2943772	40.0	38.3	
S 35 1,2-Dichloroethene, Total	61				0		80.0	76.0	

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	10.248	10.248	0.000	99	3419617	40.0	36.8	
34 Vinyl acetate	43	10.254	10.254	0.000	100	4810803	45.6	46.2	
36 2-Butanone (MEK)	72	11.233	11.238	-0.005	99	966189	40.0	38.0	
37 cis-1,2-Dichloroethene	96	11.265	11.265	0.000	97	1930789	40.0	38.5	
38 Ethyl acetate	88	11.308	11.313	-0.005	99	161018	40.0	38.9	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	97	315485	10.0	10.0	
40 Tetrahydrofuran	42	11.703	11.714	-0.011	93	2192034	40.0	38.2	
41 Chloroform	83	11.859	11.859	0.000	96	3812038	40.0	36.6	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	98	3626787	40.0	38.3	
43 Cyclohexane	84	12.287	12.287	0.000	98	2407430	40.0	39.3	
44 Carbon tetrachloride	117	12.431	12.431	0.000	97	3664141	40.0	39.5	
45 Benzene	78	12.789	12.790	-0.001	97	5646413	40.0	37.6	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	94	2468368	40.0	36.9	
47 Isooctane	57	12.998	12.993	0.005	99	9280867	40.0	38.4	
48 n-Heptane	43	13.303	13.303	0.000	94	3497617	40.0	39.6	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1488418	10.0	10.0	
50 n-Butanol	56	13.774	13.779	-0.005	89	1445470	40.0	41.6	
51 Trichloroethene	95	13.966	13.966	0.000	94	2508408	40.0	38.6	
53 1,2-Dichloropropane	63	14.437	14.432	0.005	93	2321601	40.0	38.0	
54 Methyl methacrylate	69	14.512	14.518	-0.006	97	2183878	40.0	39.8	
55 1,4-Dioxane	88	14.555	14.560	-0.005	96	1147141	40.0	35.3	
57 Dibromomethane	174	14.592	14.592	0.000	94	2032318	40.0	39.2	
58 Dichlorobromomethane	83	14.908	14.908	0.000	99	4220553	40.0	38.7	
59 cis-1,3-Dichloropropene	75	15.710	15.711	-0.001	93	3787897	40.0	40.6	
61 4-Methyl-2-pentanone (MIBK)	43	15.973	15.978	-0.005	97	4580980	40.0	39.4	
62 Toluene	92	16.347	16.347	0.000	94	3875506	40.0	38.8	
A 63 Toluene Range	1	16.350	(16.278-16.422)	0	15802595	NC	NC		
64 n-Octane	43	16.582	16.577	0.005	93	4820635	40.0	39.9	
A 65 C8 Range	1	16.583	(16.497-16.668)	0	18169714	NC	NC		
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	97	3025772	40.0	40.6	
67 1,1,2-Trichloroethane	83	17.155	17.150	0.005	96	2139864	40.0	37.8	
68 Tetrachloroethene	166	17.337	17.337	0.000	97	2862774	40.0	40.3	
69 2-Hexanone	43	17.561	17.562	-0.001	95	4428273	40.0	40.8	
70 Chlorodibromomethane	129	17.893	17.888	0.005	97	4011556	40.0	40.3	
71 Ethylene Dibromide	107	18.129	18.129	0.000	98	3658379	40.0	38.7	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	89	1373294	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	91	4994824	40.0	37.5	
75 Ethylbenzene	91	19.284	19.284	0.000	99	8406994	40.0	37.8	
76 m-Xylene & p-Xylene	106	19.546	19.546	0.000	0	6388199	80.0	79.1	
77 n-Nonane	57	19.594	19.594	0.000	90	4592772	40.0	38.7	
S 80 Xylenes, Total	106				0		120.0	120.0	
78 o-Xylene	106	20.317	20.317	0.000	99	3093065	40.0	40.9	
79 Styrene	104	20.354	20.349	0.005	100	5182410	40.0	41.6	
81 Bromoform	173	20.696	20.697	0.000	95	3778660	40.0	42.9	
82 Isopropylbenzene	105	20.985	20.985	0.000	97	8792699	40.0	39.0	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	5480026	40.0	36.8	
84 1,2,3-Trichloropropane	75	21.606	21.601	0.005	99	4255034	40.0	36.7	
85 N-Propylbenzene	91	21.686	21.681	0.005	98	10803197	40.0	36.7	
86 2-Chlorotoluene	91	21.836	21.836	0.000	97	7399625	40.0	37.8	
87 4-Ethyltoluene	105	21.879	21.873	0.006	97	8626584	40.0	38.3	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	7325744	40.0	38.5	
89 n-Decane	57	21.991	21.986	0.005	92	5761556	40.0	37.0	

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	85	4041052	40.0	43.3	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	6843382	40.0	39.1	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	7399491	40.0	39.1	
93 sec-Butylbenzene	105	22.767	22.762	0.005	96	10365079	40.0	37.1	
94 1,3-Dichlorobenzene	146	22.943	22.938	0.005	99	5016888	40.0	39.1	
95 4-Isopropyltoluene	119	22.975	22.970	0.005	95	8659417	40.0	39.0	
96 1,4-Dichlorobenzene	146	23.082	23.077	0.005	91	5016337	40.0	39.1	
97 Benzyl chloride	91	23.232	23.232	0.000	98	7499683	40.0	41.5	
98 n-Butylbenzene	91	23.537	23.537	0.000	99	9061029	40.0	38.5	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	93	4812936	40.0	38.9	
100 Undecane	57	23.682	23.676	0.006	95	6219142	40.0	38.3	
101 Dodecane	57	25.297	25.297	0.000	97	5677783	40.0	40.4	
102 1,2,4-Trichlorobenzene	180	26.084	26.078	0.006	94	4126820	46.9	49.3	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	97	3282748	45.0	46.7	
104 Naphthalene	128	26.581	26.581	0.000	98	9564619	47.6	51.7	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	3665972	46.6	46.8	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL7w_00150

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Dec-2024 12:44:18

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_014.D

Injection Date: 21-Dec-2024 01:35:43

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 14

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

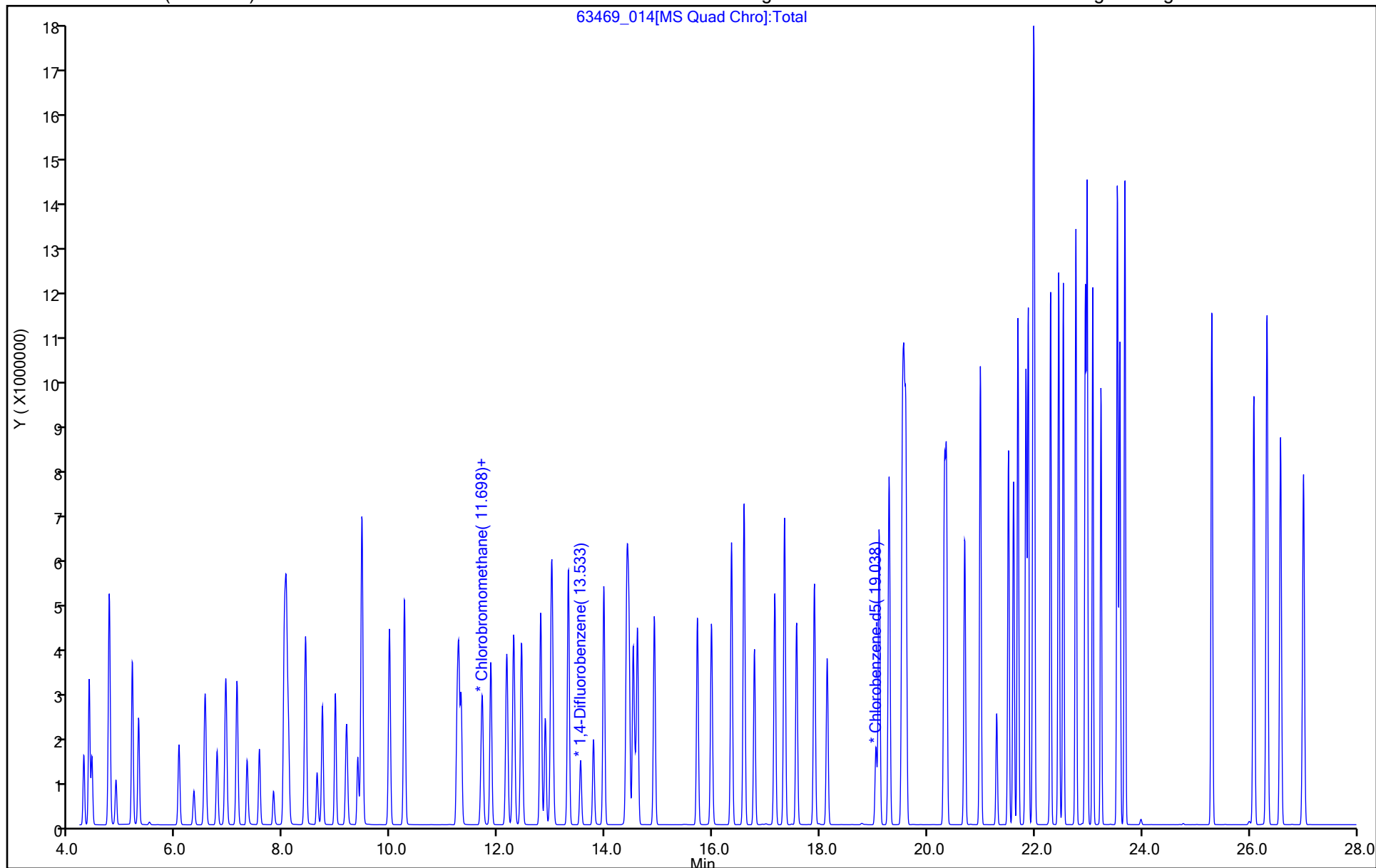
ALS Bottle#: 13

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\20241220-63469.b\63469_015.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 21-Dec-2024 02:27:10 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063469-015
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Dec-2024 12:44:21 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 06:47:01

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	4.273	0.005	97	15826	0.4254	0.6773	
2 Dichlorodifluoromethane	85	4.375	4.374	0.001	99	55190	0.4254	0.5737	
3 Chlorodifluoromethane	51	4.428	4.422	0.006	97	32169	0.4254	0.5774	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	0.000	95	58430	0.4254	0.5770	
5 Chloromethane	50	4.872	4.872	0.000	98	19238	0.4254	0.5838	
7 Butane	43	5.177	5.177	0.000	98	36157	0.4254	0.4765	
6 Vinyl chloride	62	5.177	5.182	-0.005	78	24828	0.4254	0.4410	
8 Butadiene	54	5.295	5.295	0.001	93	19185	0.4254	0.4291	
9 Bromomethane	94	6.049	6.049	0.000	99	20943	0.4254	0.5545	
10 Chloroethane	64	6.327	6.327	0.000	99	12127	0.4254	0.5428	
12 2-Methylbutane	43	6.536	6.536	0.000	90	24664	0.4254	0.5523	
13 Vinyl bromide	106	6.755	6.760	-0.005	98	20002	0.4254	0.5419	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	55032	0.4254	0.5460	
15 Pentane	43	7.130	7.129	0.001	95	38115	0.4254	0.5240	
16 Ethanol	45	7.344	7.327	0.017	98	115861	4.26	5.75	
18 Ethyl ether	59	7.574	7.557	0.017	93	15754	0.4254	0.5158	
19 Acrolein	56	7.836	7.814	0.022	96	10035	0.4981	0.5834	
20 1,1-Dichloroethene	96	8.007	8.012	-0.005	96	22440	0.4254	0.5208	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	94	47973	0.4254	0.5141	
22 Acetone	43	8.130	8.103	0.027	97	42260	0.4254	0.5982	
23 Isopropyl alcohol	45	8.435	8.408	0.027	99	40631	0.4930	0.5676	
24 Carbon disulfide	76	8.414	8.413	0.001	100	71105	0.4254	0.5143	
25 Acetonitrile	41	8.649	8.633	0.016	98	18995	0.4254	0.5219	
26 3-Chloro-1-propene	41	8.719	8.718	0.001	97	32610	0.4254	0.5221	
27 Methylene Chloride	49	8.965	8.964	0.001	95	29288	0.4254	0.5034	
28 2-Methyl-2-propanol	59	9.216	9.194	0.022	98	42458	0.4254	0.4574	
29 Acrylonitrile	53	9.398	9.387	0.011	94	18380	0.4254	0.4966	
30 trans-1,2-Dichloroethene	61	9.457	9.462	-0.005	97	34820	0.4254	0.4902	
31 Methyl tert-butyl ether	73	9.484	9.462	0.022	98	59480	0.4254	0.4726	
32 Hexane	57	9.970	9.970	0.000	93	34976	0.4254	0.4675	
S 35 1,2-Dichloroethene, Total	61				0		0.8508	0.9863	

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	10.249	10.248	0.001	100	44729	0.4254	0.4944	
34 Vinyl acetate	43	10.265	10.254	0.011	100	51880	0.4845	0.5118	
36 2-Butanone (MEK)	72	11.260	11.238	0.022	99	12699	0.4254	0.5132	
37 cis-1,2-Dichloroethene	96	11.254	11.265	-0.011	84	24193	0.4254	0.4960	
38 Ethyl acetate	88	11.329	11.313	0.016	99	1949	0.4254	0.4846	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	97	306931	10.0	10.0	
40 Tetrahydrofuran	42	11.736	11.714	0.022	94	28075	0.4254	0.4916	
41 Chloroform	83	11.859	11.859	0.000	95	50168	0.4254	0.4946	
42 1,1,1-Trichloroethane	97	12.153	12.158	-0.005	98	45130	0.4254	0.4783	
43 Cyclohexane	84	12.287	12.287	0.000	98	29094	0.4254	0.4768	
44 Carbon tetrachloride	117	12.437	12.431	0.006	97	43892	0.4254	0.4753	
45 Benzene	78	12.790	12.790	0.000	96	73678	0.4254	0.4925	
46 1,2-Dichloroethane	62	12.881	12.875	0.006	94	32418	0.4254	0.4867	
47 Isooctane	57	12.993	12.993	0.000	99	113304	0.4254	0.4703	
48 n-Heptane	43	13.303	13.303	0.000	92	39638	0.4254	0.4506	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1483051	10.0	10.0	
50 n-Butanol	56	13.790	13.779	0.011	90	15187	0.4254	0.4385	Ma
51 Trichloroethene	95	13.967	13.966	0.001	94	32033	0.4254	0.4946	
53 1,2-Dichloropropane	63	14.437	14.432	0.005	93	28894	0.4254	0.4749	
54 Methyl methacrylate	69	14.523	14.518	0.005	97	24760	0.4254	0.4529	
55 1,4-Dioxane	88	14.587	14.560	0.027	93	20583	0.4254	0.6352	
57 Dibromomethane	174	14.593	14.592	0.001	93	26929	0.4254	0.5212	
58 Dichlorobromomethane	83	14.903	14.908	-0.005	99	50972	0.4254	0.4687	
59 cis-1,3-Dichloropropene	75	15.711	15.711	0.000	93	43390	0.4254	0.4671	
61 4-Methyl-2-pentanone (MIBK)	43	15.989	15.978	0.011	97	49368	0.4254	0.4260	
62 Toluene	92	16.347	16.347	0.000	93	45875	0.4254	0.4755	
A 63 Toluene Range	1	16.350	(16.278-16.422)	0	187302	NC	NC		
64 n-Octane	43	16.577	16.577	0.000	92	52814	0.4254	0.4383	
A 65 C8 Range	1	16.583	(16.497-16.668)	0	204835	NC	NC		
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	97	35240	0.4254	0.4744	
67 1,1,2-Trichloroethane	83	17.150	17.150	0.000	97	27641	0.4254	0.5048	
68 Tetrachloroethene	166	17.332	17.337	-0.005	95	35563	0.4254	0.5182	
69 2-Hexanone	43	17.572	17.562	0.010	93	38846	0.4254	0.3701	
70 Chlorodibromomethane	129	17.888	17.888	0.000	98	45842	0.4254	0.4759	
71 Ethylene Dibromide	107	18.129	18.129	0.000	98	46015	0.4254	0.5037	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	89	1327965	10.0	10.0	
74 Chlorobenzene	112	19.092	19.097	-0.005	92	65386	0.4254	0.5082	
75 Ethylbenzene	91	19.279	19.284	-0.005	99	103035	0.4254	0.4796	
76 m-Xylene & p-Xylene	106	19.541	19.546	-0.005	0	74079	0.8508	0.9486	
77 n-Nonane	57	19.595	19.594	0.001	90	51673	0.4254	0.4508	
S 80 Xylenes, Total	106				0	1.28	1.41		
78 o-Xylene	106	20.312	20.317	-0.005	98	33534	0.4254	0.4580	
79 Styrene	104	20.354	20.349	0.005	99	54411	0.4254	0.4520	
81 Bromoform	173	20.691	20.697	-0.005	94	40872	0.4254	0.4796	
82 Isopropylbenzene	105	20.986	20.985	0.001	99	100645	0.4254	0.4617	
83 1,1,2,2-Tetrachloroethane	83	21.505	21.510	-0.005	98	71866	0.4254	0.4989	
84 1,2,3-Trichloropropane	75	21.601	21.601	0.000	99	59383	0.4254	0.5297	
85 N-Propylbenzene	91	21.681	21.681	0.000	98	134040	0.4254	0.4706	
86 2-Chlorotoluene	91	21.831	21.836	-0.005	96	92833	0.4254	0.4905	
87 4-Ethyltoluene	105	21.874	21.873	0.001	98	103516	0.4254	0.4749	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	92	86269	0.4254	0.4684	Ma
89 n-Decane	57	21.986	21.986	0.000	91	63180	0.4254	0.4194	

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	87	37515	0.4254	0.4160	
91 tert-Butylbenzene	119	22.441	22.446	-0.005	91	79384	0.4254	0.4695	
92 1,2,4-Trimethylbenzene	105	22.532	22.531	0.001	98	84426	0.4254	0.4617	
93 sec-Butylbenzene	105	22.762	22.762	0.000	99	125494	0.4254	0.4649	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	98	65100	0.4254	0.5243	
95 4-Isopropyltoluene	119	22.970	22.970	0.000	97	97240	0.4254	0.4526	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	93	66159	0.4254	0.5333	
97 Benzyl chloride	91	23.233	23.232	0.000	98	77664	0.4254	0.4447	
98 n-Butylbenzene	91	23.537	23.537	0.000	98	99126	0.4254	0.4354	
99 1,2-Dichlorobenzene	146	23.580	23.585	-0.005	94	62554	0.4254	0.5230	
100 Undecane	57	23.677	23.676	0.001	95	60836	0.4254	0.3871	
101 Dodecane	57	25.303	25.297	0.006	97	41881	0.4254	0.3085	
102 1,2,4-Trichlorobenzene	180	26.084	26.078	0.006	94	47754	0.4990	0.5905	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	96	41138	0.4781	0.6057	
104 Naphthalene	128	26.581	26.581	0.000	99	112903	0.5058	0.6306	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	94	48864	0.4956	0.6457	
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_00353

Amount Added: 170.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_015.D

Injection Date: 21-Dec-2024 02:27:10

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: IC

Worklist Smp#: 15

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

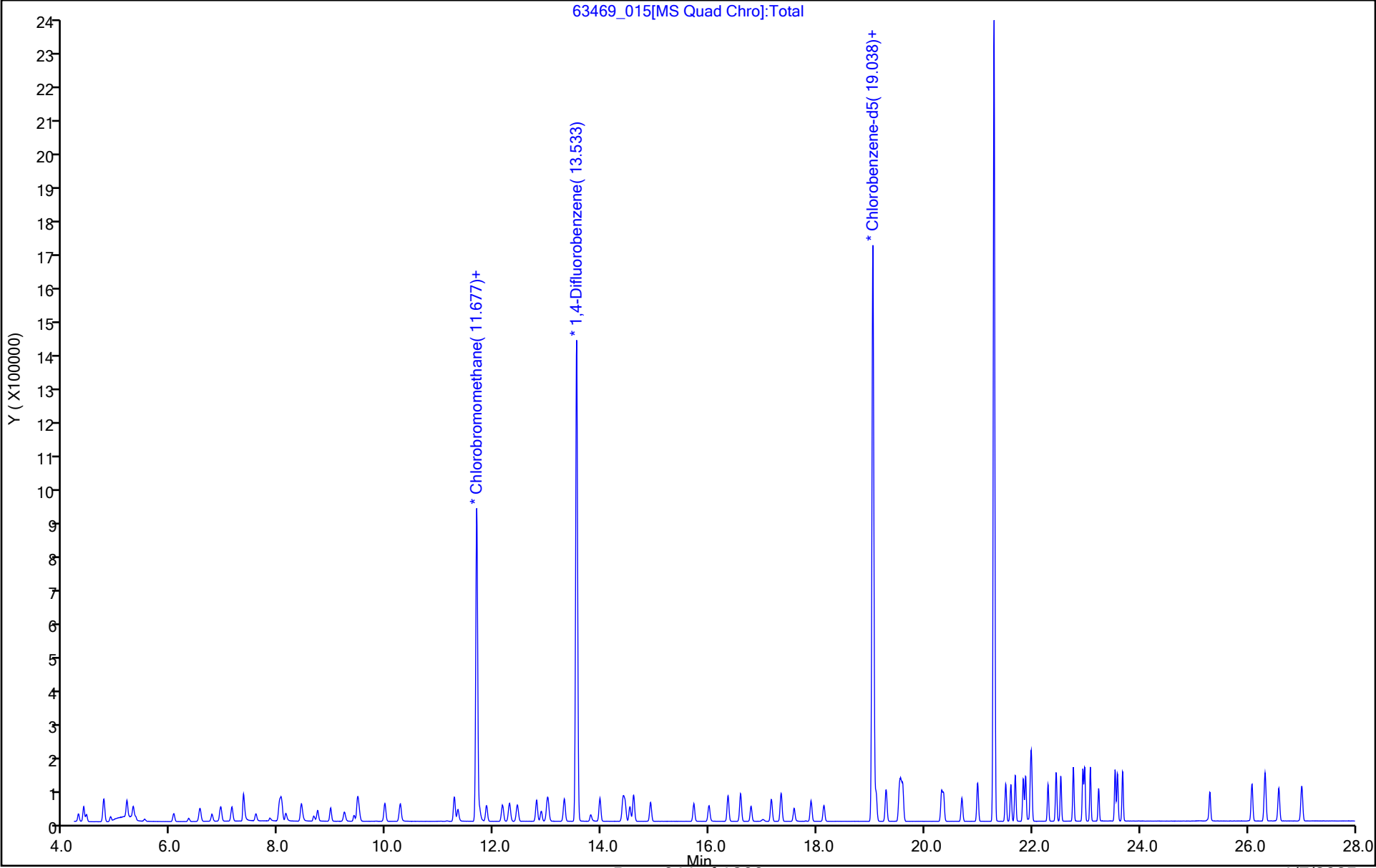
ALS Bottle#: 14

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_015.D

Injection Date: 21-Dec-2024 02:27:10

Instrument ID: CHAM.i

Lims ID: IC

Client ID:

Operator ID: vtp

ALS Bottle#:

14

Worklist Smp#:

15

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

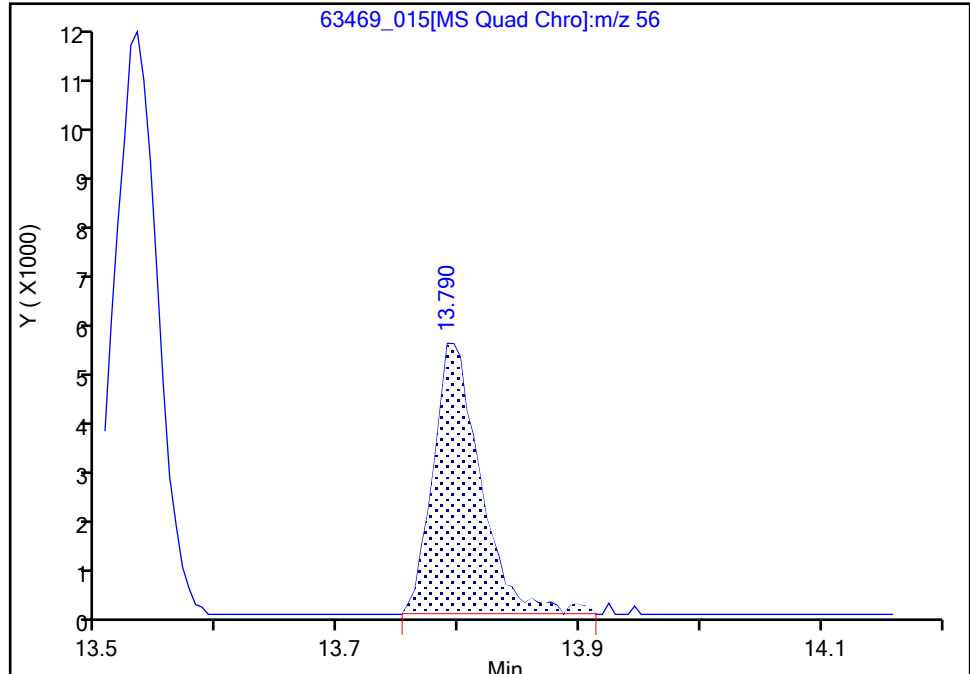
MS SCAN

50 n-Butanol, CAS: 71-36-3

Signal: 1

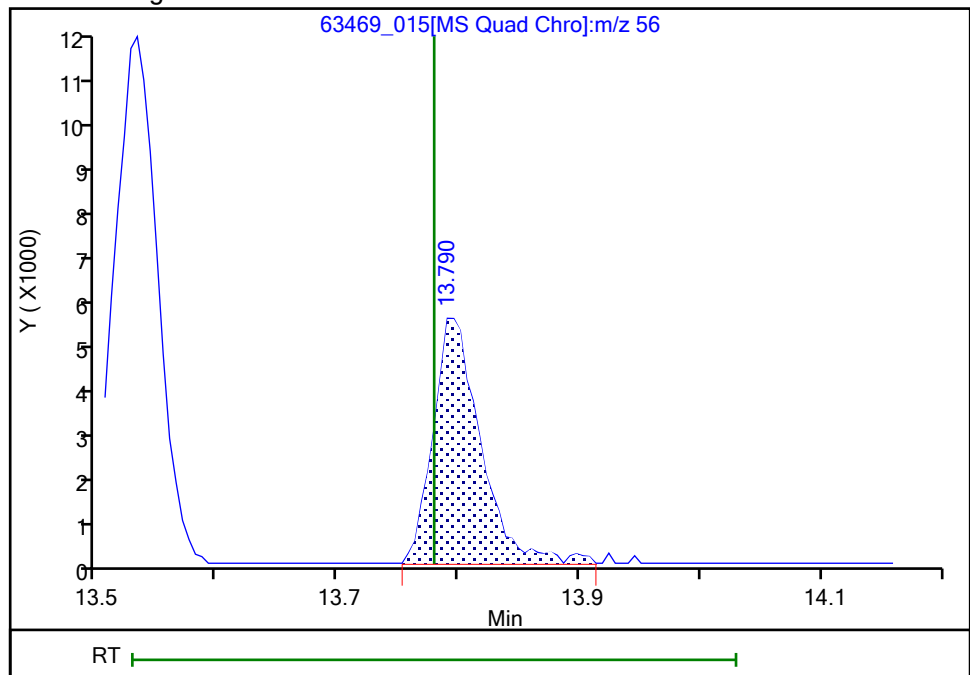
RT: 13.79
Area: 15187
Amount: 0.483270
Amount Units: ppb v/v

Processing Integration Results



RT: 13.79
Area: 15187
Amount: 0.438541
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Dec-2024 06:46:39 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_015.D

Injection Date: 21-Dec-2024 02:27:10

Instrument ID: CHAM.i

Lims ID: IC

Client ID:

Operator ID: vtp

ALS Bottle#:

14

Worklist Smp#: 15

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

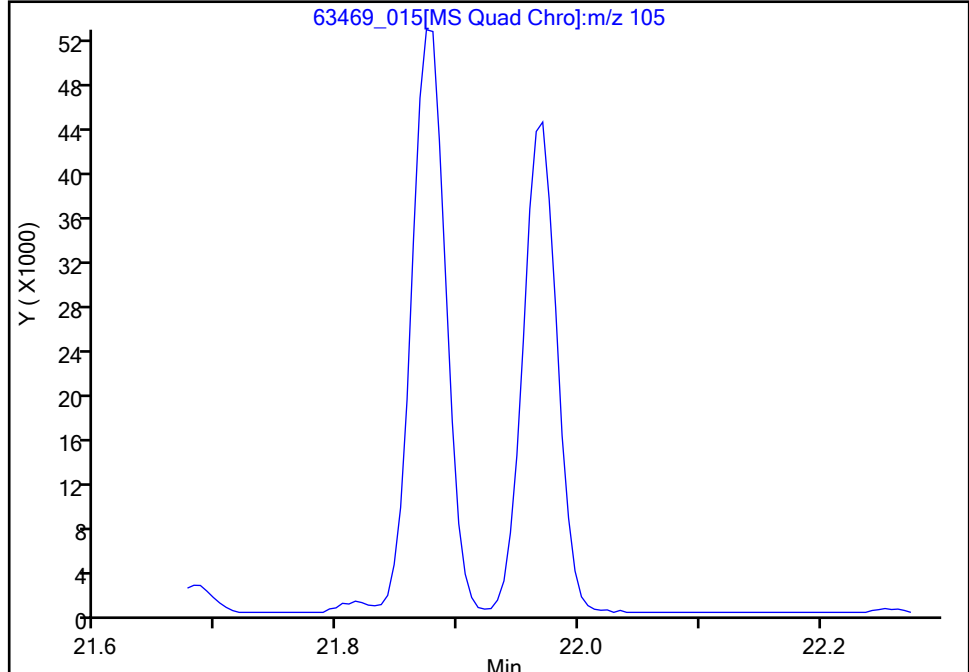
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

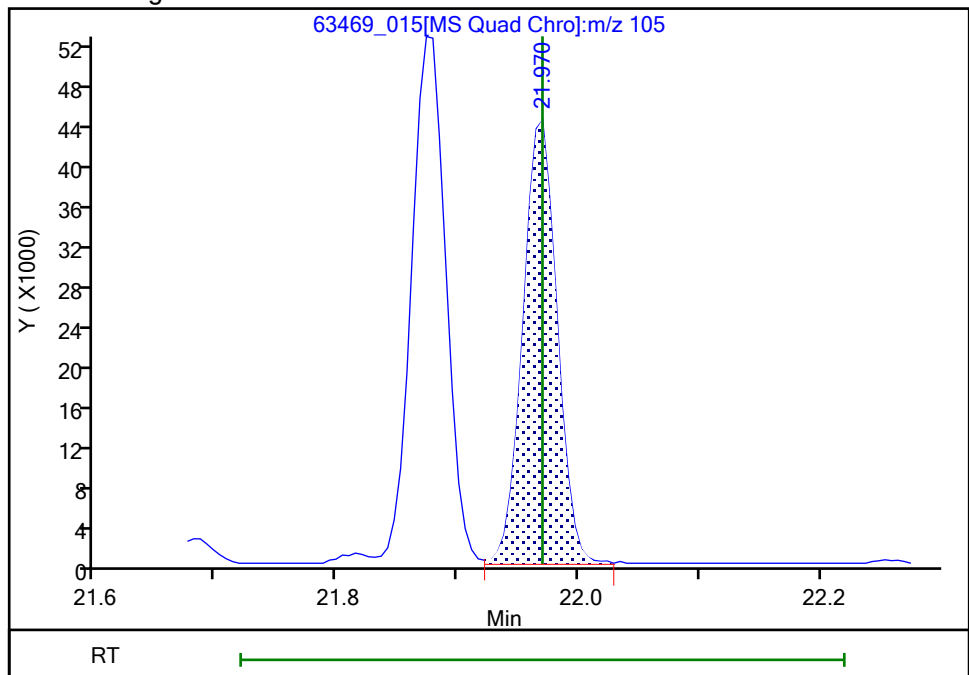
Not Detected

Expected RT: 21.97

Processing Integration Results



Manual Integration Results



RT: 21.97

Area: 86269

Amount: 0.468420

Amount Units: ppb v/v

Reviewer: BKZ7, 21-Dec-2024 06:46:22 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 21-Dec-2024 11:06:39 ALS Bottle#: 23 Worklist Smp#: 24
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063469-024
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Dec-2024 12:43:55 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 12:43:55

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	4.273	0.005	98	124778	4.25	5.10	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	475082	4.25	4.71	
3 Chlorodifluoromethane	51	4.428	4.422	0.006	97	269086	4.25	4.61	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	-0.001	95	505092	4.25	4.76	
5 Chloromethane	50	4.877	4.872	0.005	99	157265	4.25	4.55	
7 Butane	43	5.176	5.177	-0.001	98	285143	4.25	3.59	
6 Vinyl chloride	62	5.182	5.182	0.000	99	202733	4.25	3.44	
8 Butadiene	54	5.294	5.295	0.000	91	152333	4.25	3.25	
9 Bromomethane	94	6.049	6.049	-0.001	99	184139	4.25	4.65	
10 Chloroethane	64	6.327	6.327	0.000	100	104204	4.25	4.45	
12 2-Methylbutane	43	6.535	6.536	-0.001	92	208555	4.25	4.46	
13 Vinyl bromide	106	6.760	6.760	0.000	99	176357	4.25	4.56	
14 Trichlorofluoromethane	101	6.921	6.921	-0.001	99	464569	4.25	4.40	
15 Pentane	43	7.129	7.129	0.000	96	327423	4.25	4.30	
16 Ethanol	45	7.343	7.327	0.016	98	131106	6.38	6.21	
18 Ethyl ether	59	7.568	7.557	0.011	93	139163	4.25	4.35	
19 Acrolein	56	7.819	7.814	0.005	95	86908	4.98	4.82	
20 1,1-Dichloroethene	96	8.007	8.012	-0.005	96	192479	4.25	4.26	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	94	409392	4.25	4.19	
22 Acetone	43	8.114	8.103	0.011	97	279209	4.25	3.77	
23 Isopropyl alcohol	45	8.418	8.408	0.010	100	342964	4.92	4.57	
24 Carbon disulfide	76	8.413	8.413	0.000	99	587342	4.25	4.05	
25 Acetonitrile	41	8.638	8.633	0.005	99	149330	4.25	3.92	
26 3-Chloro-1-propene	41	8.718	8.718	0.000	96	255280	4.25	3.90	
27 Methylene Chloride	49	8.964	8.964	0.000	95	235120	4.25	3.86	
28 2-Methyl-2-propanol	59	9.205	9.194	0.011	99	381963	4.25	3.93	
29 Acrylonitrile	53	9.387	9.387	0.000	95	147845	4.25	3.81	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	97	292738	4.25	3.93	
31 Methyl tert-butyl ether	73	9.472	9.462	0.010	98	535306	4.25	4.06	
32 Hexane	57	9.970	9.970	0.000	93	316085	4.25	4.03	
S 35 1,2-Dichloroethene, Total	61				0		8.50	8.07	

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	10.248	10.248	0.000	100	374326	4.25	3.95	
34 Vinyl acetate	43	10.259	10.254	0.005	100	432107	4.84	4.07	
36 2-Butanone (MEK)	72	11.243	11.238	0.005	99	99878	4.25	3.85	
37 cis-1,2-Dichloroethene	96	11.265	11.265	0.000	94	211384	4.25	4.14	
38 Ethyl acetate	88	11.318	11.313	0.005	100	16946	4.25	4.02	
* 39 Chlorobromomethane	128	11.676	11.677	-0.001	96	321613	10.0	10.0	
40 Tetrahydrofuran	42	11.719	11.714	0.005	93	227648	4.25	3.80	
41 Chloroform	83	11.858	11.859	-0.001	96	418999	4.25	3.94	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	99	395142	4.25	3.99	
43 Cyclohexane	84	12.286	12.287	-0.001	98	261768	4.25	4.09	
44 Carbon tetrachloride	117	12.431	12.431	0.000	97	395845	4.25	4.08	
45 Benzene	78	12.789	12.790	-0.001	96	628038	4.25	4.00	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	94	264105	4.25	3.78	
47 Isooctane	57	12.993	12.993	-0.001	99	1020685	4.25	4.03	
48 n-Heptane	43	13.303	13.303	0.000	93	369230	4.25	4.00	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	95	1557452	10.0	10.0	
50 n-Butanol	56	13.784	13.779	0.005	89	137141	4.25	3.77	
51 Trichloroethene	95	13.966	13.966	0.000	95	269894	4.25	3.97	
53 1,2-Dichloropropane	63	14.432	14.432	0.000	92	247649	4.25	3.88	
54 Methyl methacrylate	69	14.517	14.518	-0.001	98	222357	4.25	3.87	
55 1,4-Dioxane	88	14.576	14.560	0.016	94	133255	4.25	3.92	
57 Dibromomethane	174	14.592	14.592	0.000	94	221832	4.25	4.09	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	446686	4.25	3.91	
59 cis-1,3-Dichloropropene	75	15.710	15.711	-0.001	92	385915	4.25	3.96	
61 4-Methyl-2-pentanone (MIBK)	43	15.983	15.978	0.005	97	459848	4.25	3.78	
62 Toluene	92	16.347	16.347	0.000	93	424982	4.25	4.12	
A 63 Toluene Range	1	16.350	(16.278-16.422)	0	1726975	NC	NC		
64 n-Octane	43	16.577	16.577	0.000	93	514052	4.25	4.06	
A 65 C8 Range	1	16.583	(16.497-16.668)	0	1940052	NC	NC		
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	96	306353	4.25	3.93	
67 1,1,2-Trichloroethane	83	17.149	17.150	-0.001	96	229515	4.25	3.92	
68 Tetrachloroethene	166	17.337	17.337	0.000	95	311655	4.25	4.24	
69 2-Hexanone	43	17.567	17.562	0.005	94	423166	4.25	3.77	
70 Chlorodibromomethane	129	17.888	17.888	0.000	98	418673	4.25	4.06	
71 Ethylene Dibromide	107	18.128	18.129	-0.001	98	388240	4.25	3.97	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	88	1421125	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	93	556201	4.25	4.04	
75 Ethylbenzene	91	19.284	19.284	0.000	99	938056	4.25	4.08	
76 m-Xylene & p-Xylene	106	19.546	19.546	0.000	0	695267	8.50	8.32	
77 n-Nonane	57	19.594	19.594	0.000	91	494746	4.25	4.03	
S 80 Xylenes, Total	106				0		12.7	12.5	
78 o-Xylene	106	20.316	20.317	-0.001	98	328749	4.25	4.20	
79 Styrene	104	20.348	20.349	-0.001	100	541107	4.25	4.20	
81 Bromoform	173	20.691	20.697	-0.005	95	379528	4.25	4.16	
82 Isopropylbenzene	105	20.985	20.985	0.000	99	1000419	4.25	4.29	
83 1,1,2,2-Tetrachloroethane	83	21.504	21.510	-0.006	98	599782	4.25	3.89	
84 1,2,3-Trichloropropane	75	21.600	21.601	-0.001	100	462422	4.25	3.85	
85 N-Propylbenzene	91	21.686	21.681	0.005	98	1276617	4.25	4.19	
86 2-Chlorotoluene	91	21.830	21.836	-0.006	96	815249	4.25	4.03	
87 4-Ethyltoluene	105	21.873	21.873	0.000	98	991779	4.25	4.25	
88 1,3,5-Trimethylbenzene	105	21.969	21.970	-0.001	92	822919	4.25	4.18	
89 n-Decane	57	21.985	21.986	-0.001	90	627731	4.25	3.89	

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	22.290	22.296	-0.006	87	407965	4.25	4.23	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	769736	4.25	4.25	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	829808	4.25	4.24	
93 sec-Butylbenzene	105	22.761	22.762	-0.001	99	1222043	4.25	4.23	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	99	548661	4.25	4.13	
95 4-Isopropyltoluene	119	22.975	22.970	0.005	97	989362	4.25	4.30	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	93	549293	4.25	4.14	
97 Benzyl chloride	91	23.232	23.232	0.000	98	763351	4.25	4.08	
98 n-Butylbenzene	91	23.537	23.537	0.000	98	1024844	4.25	4.21	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	526770	4.25	4.12	
100 Undecane	57	23.676	23.676	0.000	95	660976	4.25	3.93	
101 Dodecane	57	25.297	25.297	0.000	98	590557	4.25	4.06	
102 1,2,4-Trichlorobenzene	180	26.083	26.078	0.005	94	395282	4.98	4.57	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	344353	4.78	4.74	
104 Naphthalene	128	26.581	26.581	0.000	99	953463	5.05	4.98	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	94	366384	4.95	4.52	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00831

Amount Added: 85.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Dec-2024 12:43:56

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D

Injection Date: 21-Dec-2024 11:06:39

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: IC

Worklist Smp#: 24

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

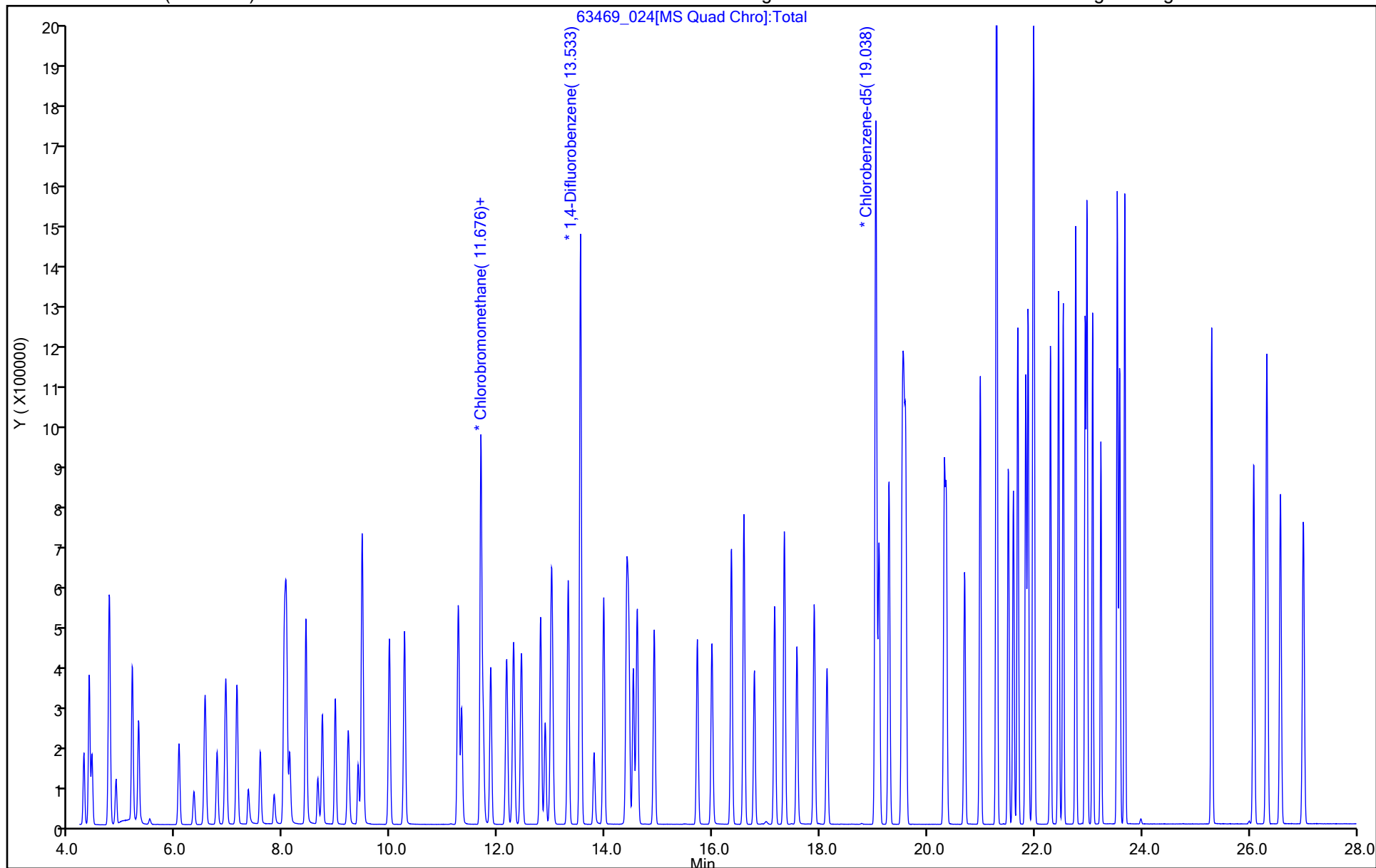
ALS Bottle#: 23

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



Calibration

/ Propene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

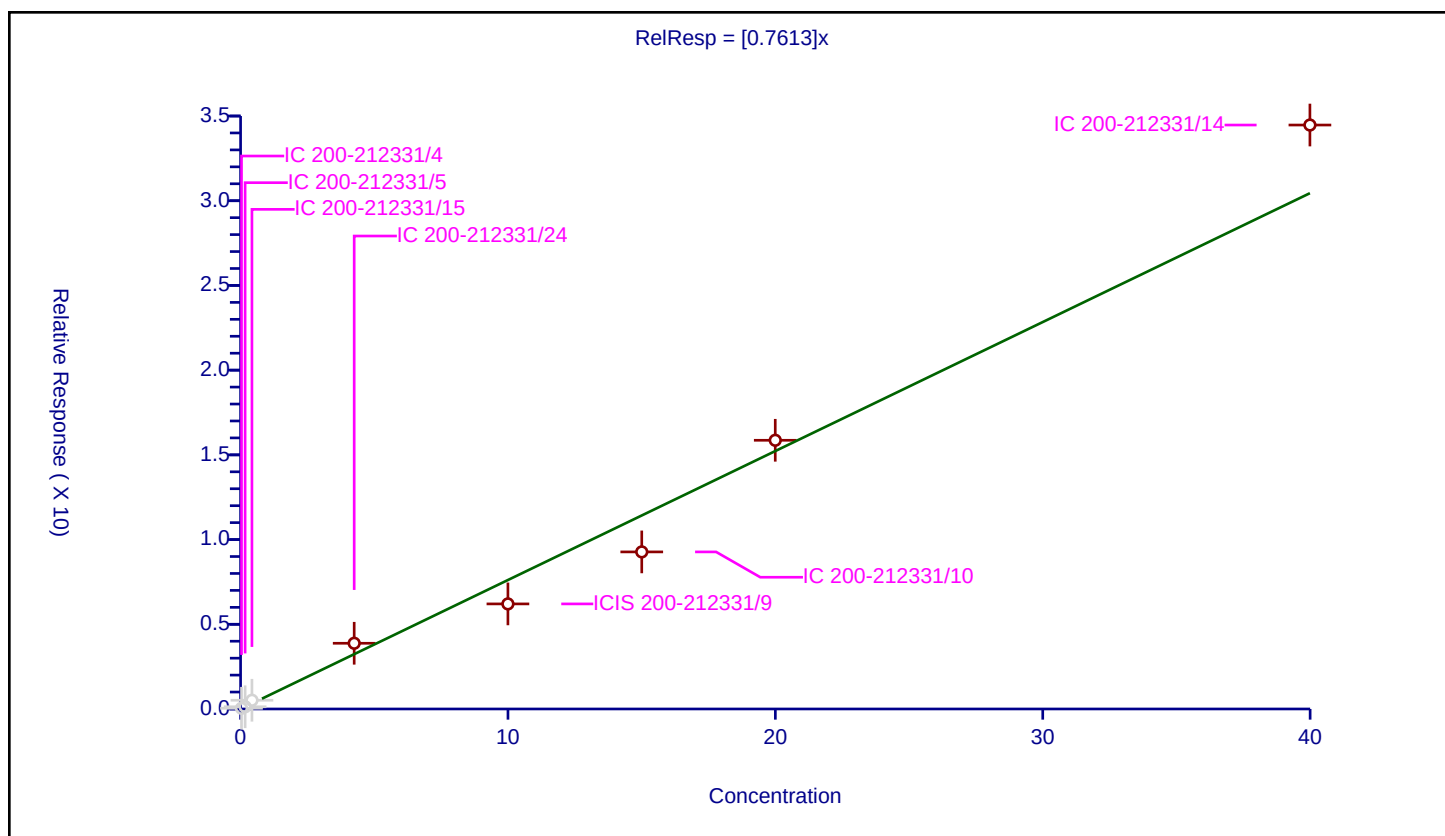
Curve Coefficients

Intercept: 0
Slope: 0.7613

Error Coefficients

Relative Standard Deviation: 17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.043132	10.0	263842.0	1.229636	N
2	IC 200-212331/5	0.170374	0.130838	10.0	264908.0	0.767946	N
3	IC 200-212331/15	0.425385	0.515621	10.0	306931.0	1.212128	N
4	IC 200-212331/24	4.249175	3.879756	10.0	321613.0	0.913061	Y
5	ICIS 200-212331/9	9.99806	6.201634	10.0	253975.0	0.620284	Y
6	IC 200-212331/10	15.003557	9.271832	10.0	274607.0	0.617976	Y
7	IC 200-212331/13	19.99612	15.860792	10.0	294595.0	0.793193	Y
8	IC 200-212331/14	39.99224	34.468453	10.0	315485.0	0.861879	Y



Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

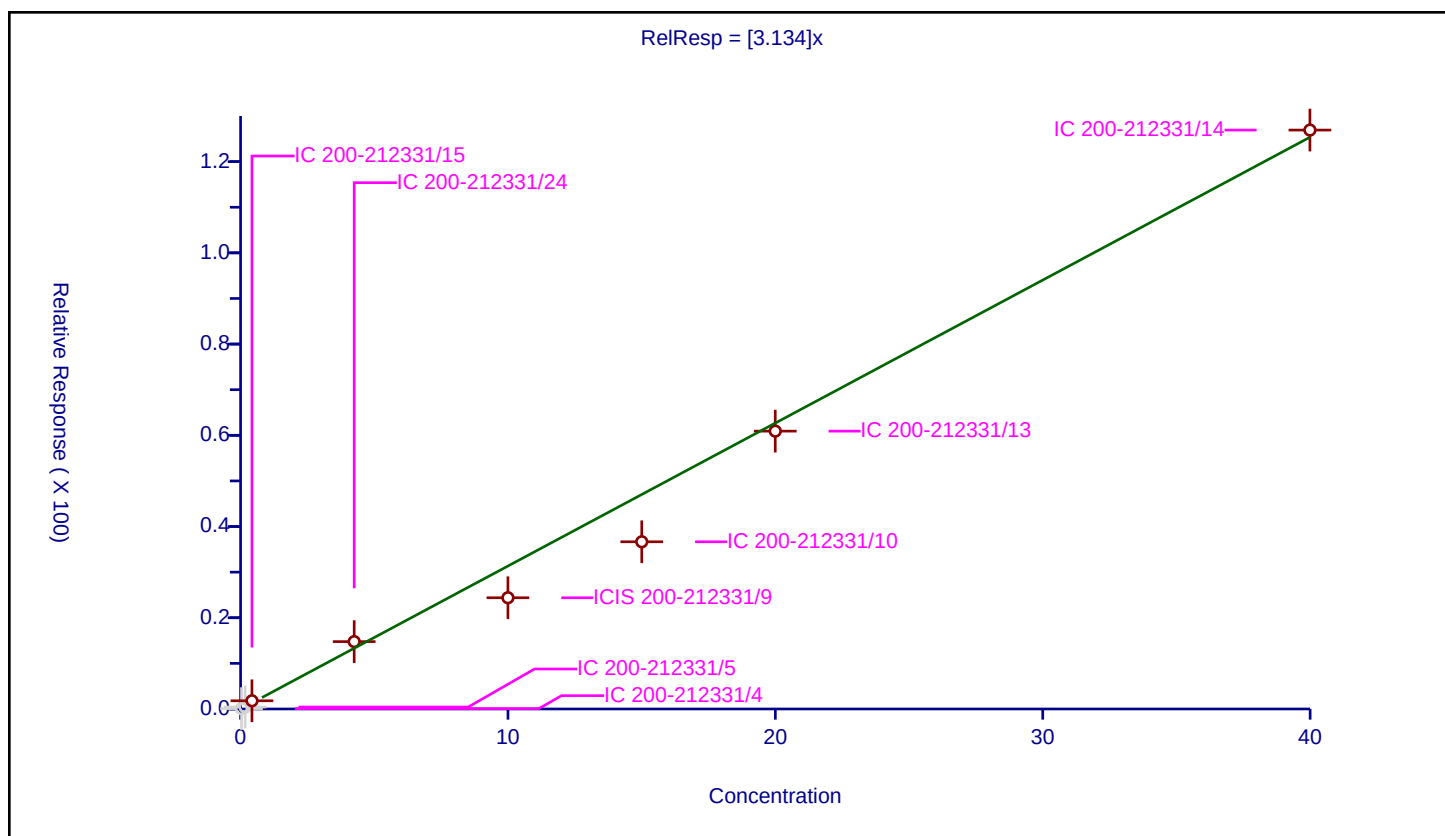
Curve Coefficients

Intercept: 0
Slope: 3.134

Error Coefficients

Relative Standard Deviation: 21.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.085392	10.0	263842.0	2.43442	N
2	IC 200-212331/5	0.170374	0.427847	10.0	264908.0	2.511224	N
3	IC 200-212331/15	0.425385	1.798124	10.0	306931.0	4.227054	Y
4	IC 200-212331/24	4.249175	14.771853	10.0	321613.0	3.476405	Y
5	ICIS 200-212331/9	9.99806	24.389527	10.0	253975.0	2.439426	Y
6	IC 200-212331/10	15.003557	36.655985	10.0	274607.0	2.443153	Y
7	IC 200-212331/13	19.99612	60.91563	10.0	294595.0	3.046373	Y
8	IC 200-212331/14	39.99224	126.918871	10.0	315485.0	3.173587	Y



Calibration

/ Chlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

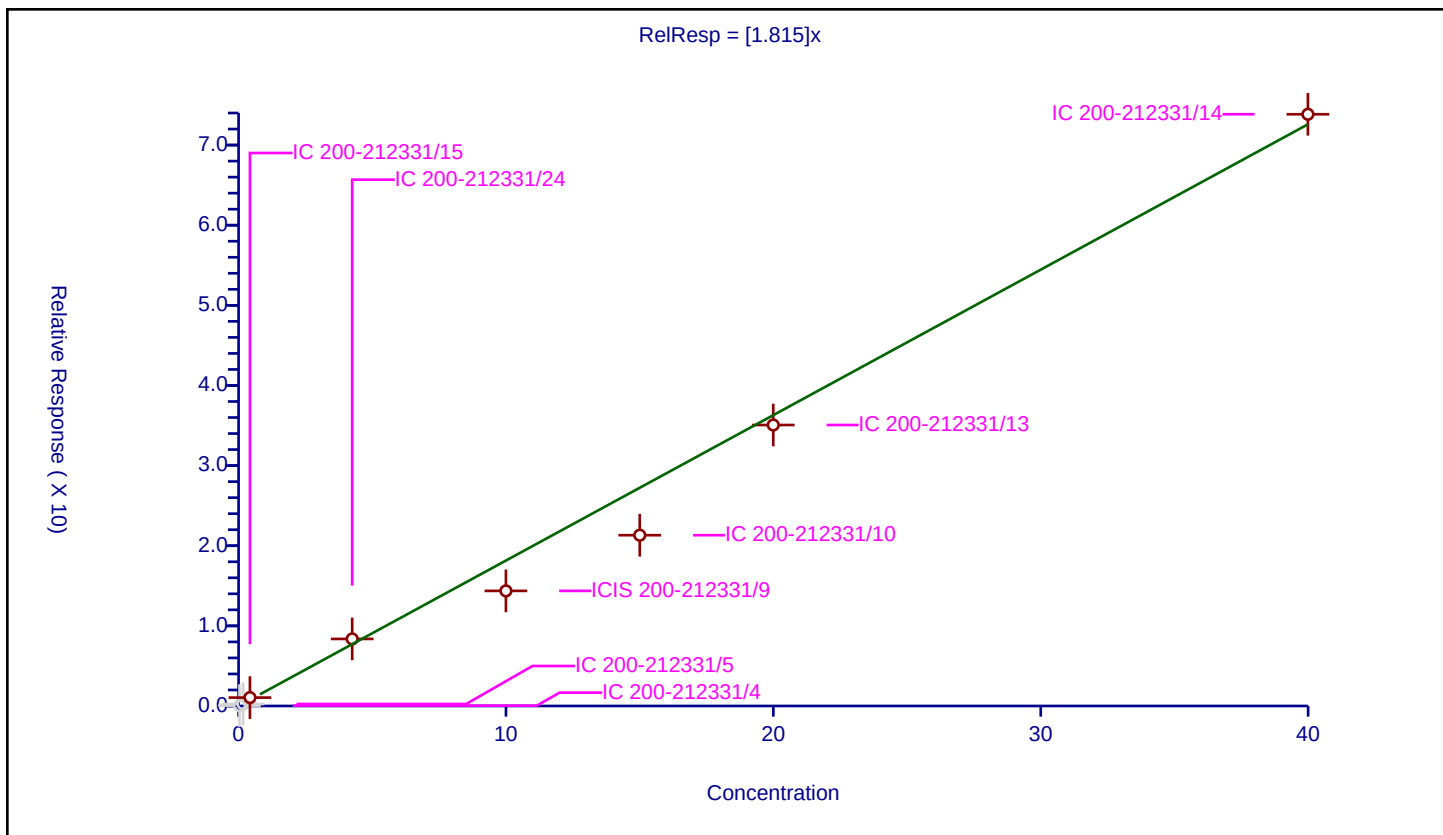
Curve Coefficients

Intercept: 0
 Slope: 1.815

Error Coefficients

Relative Standard Deviation: 21.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.047225	10.0	263842.0	1.346333	N
2	IC 200-212331/5	0.170374	0.248992	10.0	264908.0	1.461447	N
3	IC 200-212331/15	0.425385	1.048086	10.0	306931.0	2.463854	Y
4	IC 200-212331/24	4.249175	8.366764	10.0	321613.0	1.969032	Y
5	ICIS 200-212331/9	9.99806	14.364012	10.0	253975.0	1.43668	Y
6	IC 200-212331/10	15.003557	21.313987	10.0	274607.0	1.420596	Y
7	IC 200-212331/13	19.99612	35.06475	10.0	294595.0	1.753578	Y
8	IC 200-212331/14	39.99224	73.842116	10.0	315485.0	1.846411	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

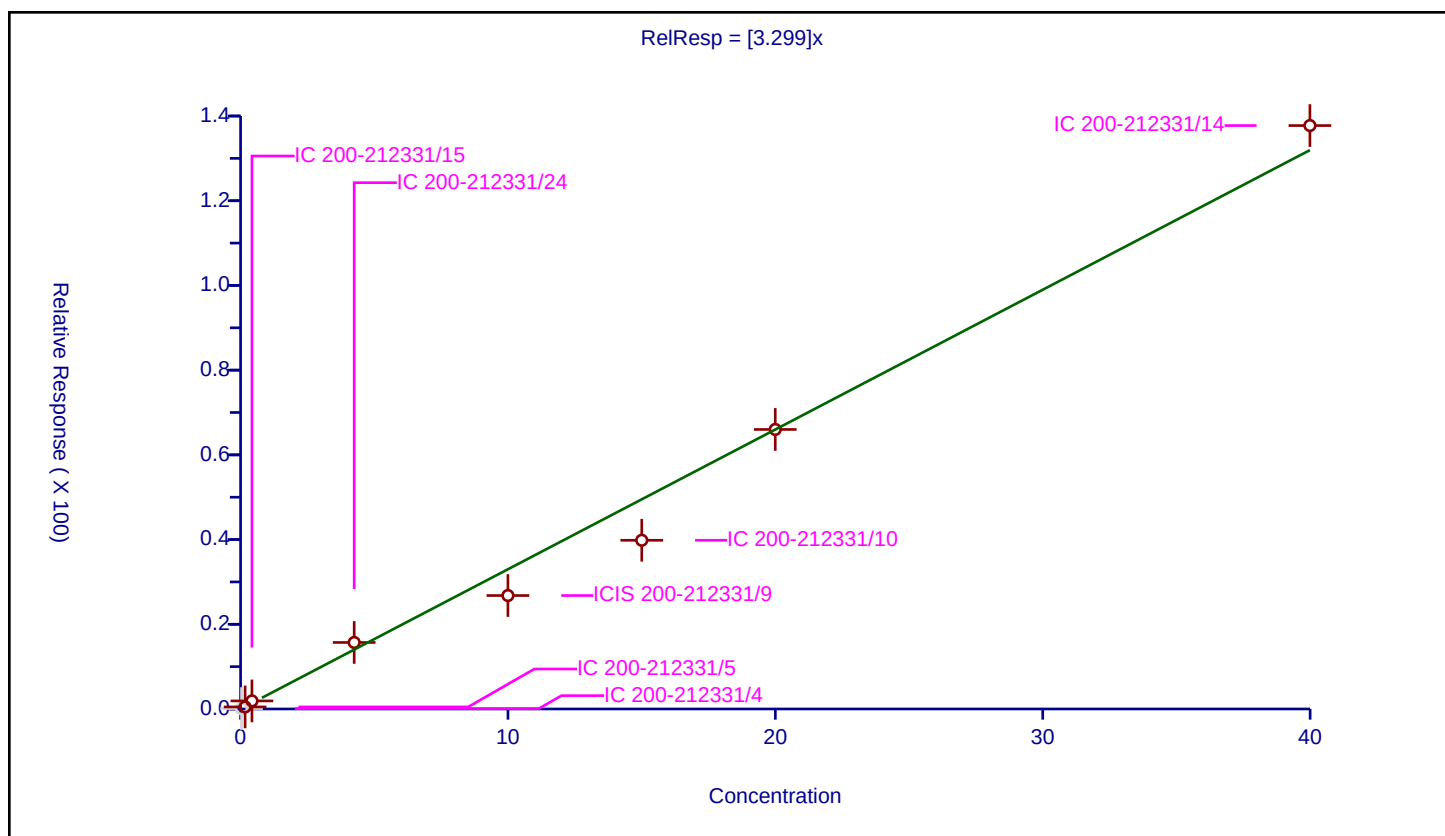
Curve Coefficients

Intercept: 0
Slope: 3.299

Error Coefficients

Relative Standard Deviation: 19.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.095095	10.0	263842.0	2.711034	N
2	IC 200-212331/5	0.170374	0.484772	10.0	264908.0	2.845345	Y
3	IC 200-212331/15	0.425385	1.903685	10.0	306931.0	4.475208	Y
4	IC 200-212331/24	4.249175	15.704962	10.0	321613.0	3.696002	Y
5	ICIS 200-212331/9	9.99806	26.784408	10.0	253975.0	2.678961	Y
6	IC 200-212331/10	15.003557	39.832779	10.0	274607.0	2.654889	Y
7	IC 200-212331/13	19.99612	65.996096	10.0	294595.0	3.300445	Y
8	IC 200-212331/14	39.99224	137.747468	10.0	315485.0	3.444355	Y



Calibration

/ Chloromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

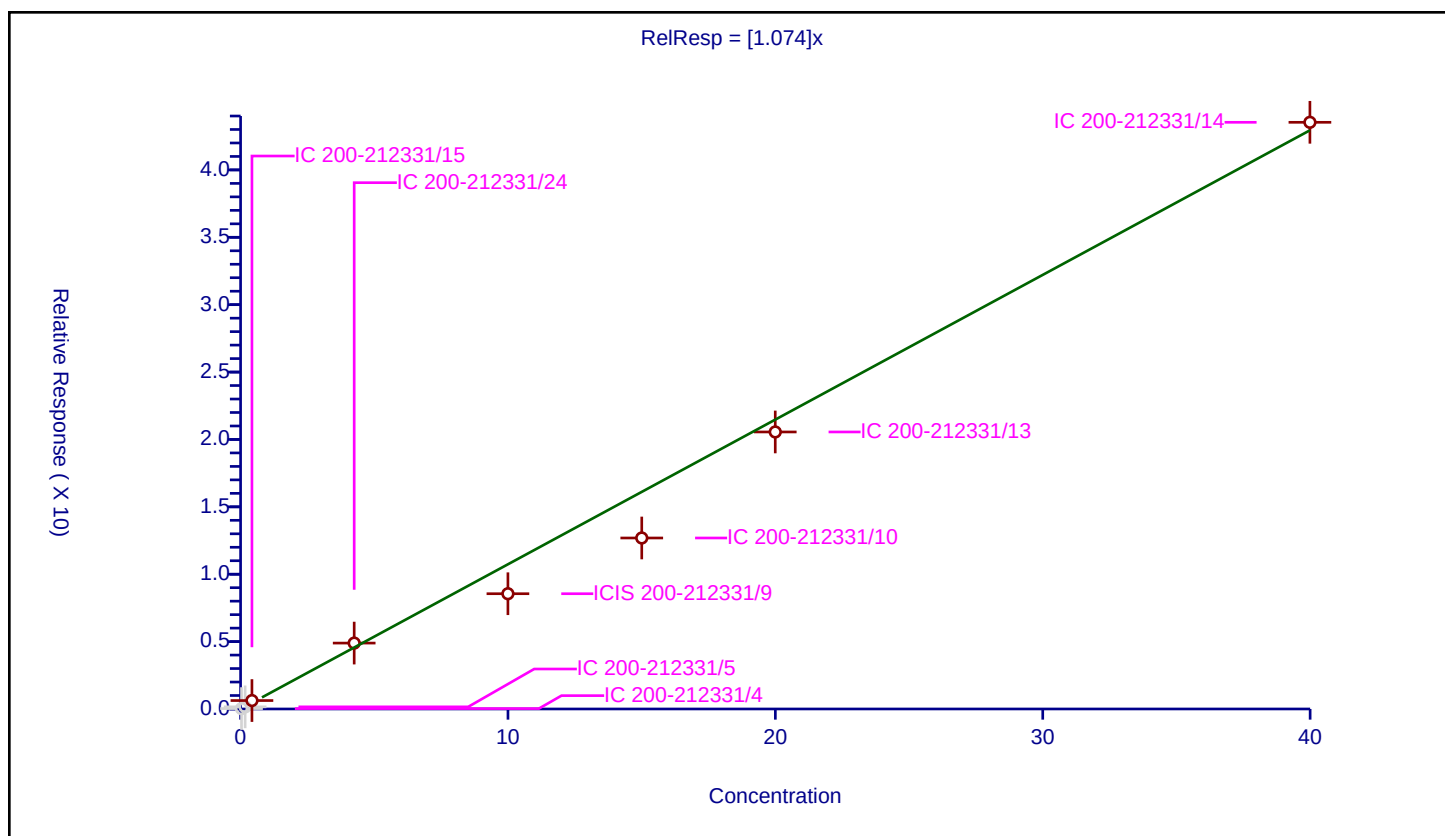
Curve Coefficients

Intercept: 0
 Slope: 1.074

Error Coefficients

Relative Standard Deviation: 21.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.029753	10.0	263842.0	0.848211	N
2	IC 200-212331/5	0.170374	0.158281	10.0	264908.0	0.929025	N
3	IC 200-212331/15	0.425385	0.626786	10.0	306931.0	1.473456	Y
4	IC 200-212331/24	4.249175	4.889883	10.0	321613.0	1.150784	Y
5	ICIS 200-212331/9	9.99806	8.553795	10.0	253975.0	0.855545	Y
6	IC 200-212331/10	15.003557	12.689225	10.0	274607.0	0.845748	Y
7	IC 200-212331/13	19.99612	20.555746	10.0	294595.0	1.027987	Y
8	IC 200-212331/14	39.99224	43.533861	10.0	315485.0	1.088558	Y



Calibration

/ Butane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

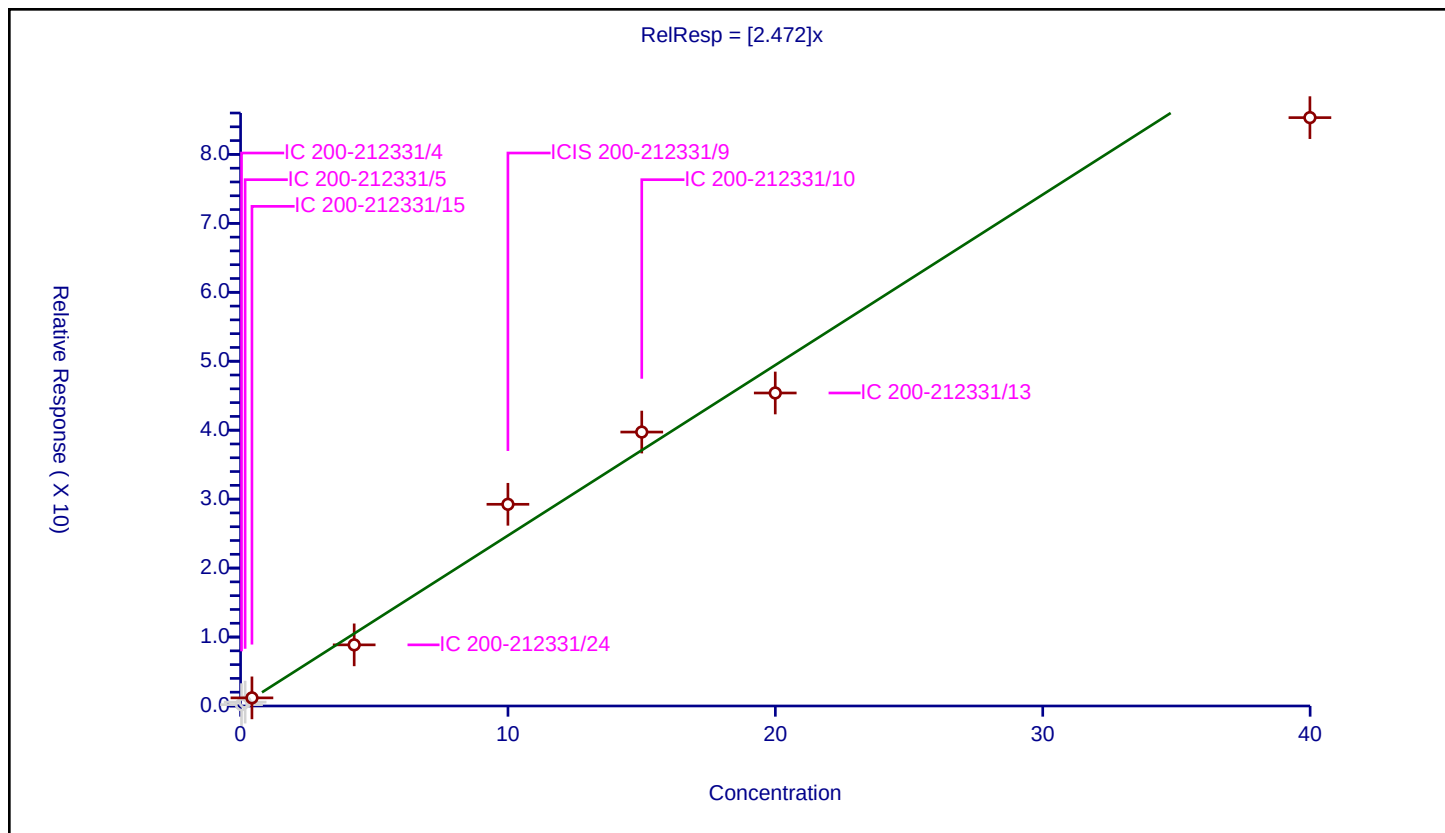
Curve Coefficients

Intercept: 0
 Slope: 2.472

Error Coefficients

Relative Standard Deviation: 14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.194435	10.0	263842.0	5.543087	N
2	IC 200-212331/5	0.170374	0.561025	10.0	264908.0	3.292908	N
3	IC 200-212331/15	0.425385	1.178017	10.0	306931.0	2.769299	Y
4	IC 200-212331/24	4.249175	8.866028	10.0	321613.0	2.086529	Y
5	ICIS 200-212331/9	9.99806	29.253115	10.0	253975.0	2.925879	Y
6	IC 200-212331/10	15.003557	39.72874	10.0	274607.0	2.647955	Y
7	IC 200-212331/13	19.99612	45.394898	10.0	294595.0	2.270185	Y
8	IC 200-212331/14	39.99224	85.331537	10.0	315485.0	2.133702	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

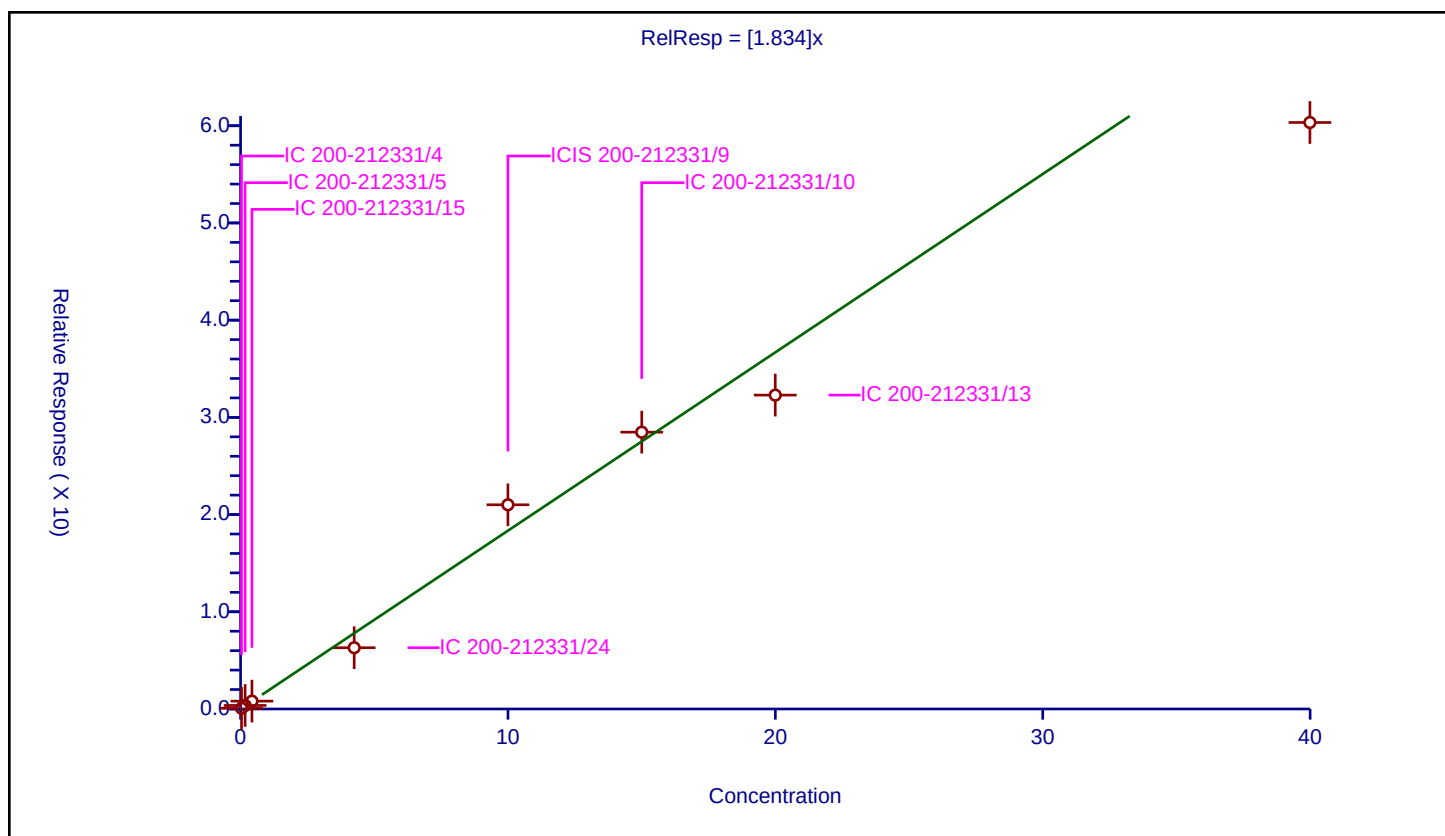
Curve Coefficients

Intercept: 0
Slope: 1.834

Error Coefficients

Relative Standard Deviation: 14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.07152	10.0	263842.0	2.038948	Y
2	IC 200-212331/5	0.170374	0.362654	10.0	264908.0	2.128581	Y
3	IC 200-212331/15	0.425385	0.808911	10.0	306931.0	1.9016	Y
4	IC 200-212331/24	4.249175	6.303632	10.0	321613.0	1.483495	Y
5	ICIS 200-212331/9	9.99806	21.006595	10.0	253975.0	2.101067	Y
6	IC 200-212331/10	15.003557	28.474948	10.0	274607.0	1.89788	Y
7	IC 200-212331/13	19.99612	32.290093	10.0	294595.0	1.614818	Y
8	IC 200-212331/14	39.99224	60.332187	10.0	315485.0	1.508597	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

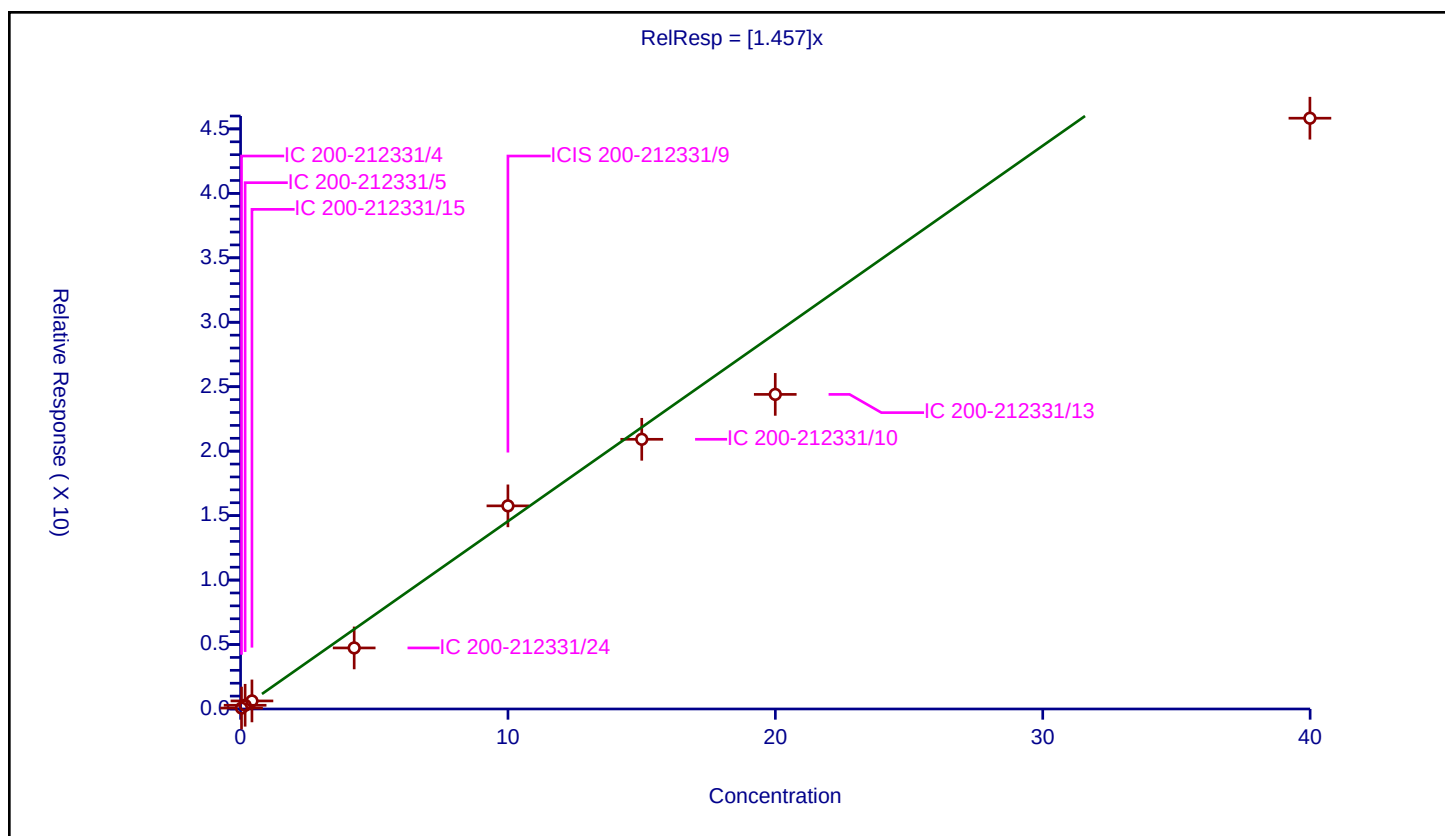
Curve Coefficients

Intercept: 0
Slope: 1.457

Error Coefficients

Relative Standard Deviation: 21.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.071368	10.0	263842.0	2.034626	Y
2	IC 200-212331/5	0.170374	0.289006	10.0	264908.0	1.696306	Y
3	IC 200-212331/15	0.425385	0.625059	10.0	306931.0	1.469397	Y
4	IC 200-212331/24	4.249175	4.736531	10.0	321613.0	1.114694	Y
5	ICIS 200-212331/9	9.99806	15.757732	10.0	253975.0	1.576079	Y
6	IC 200-212331/10	15.003557	20.921826	10.0	274607.0	1.394458	Y
7	IC 200-212331/13	19.99612	24.404861	10.0	294595.0	1.22048	Y
8	IC 200-212331/14	39.99224	45.831117	10.0	315485.0	1.146	Y



Calibration

/ Bromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

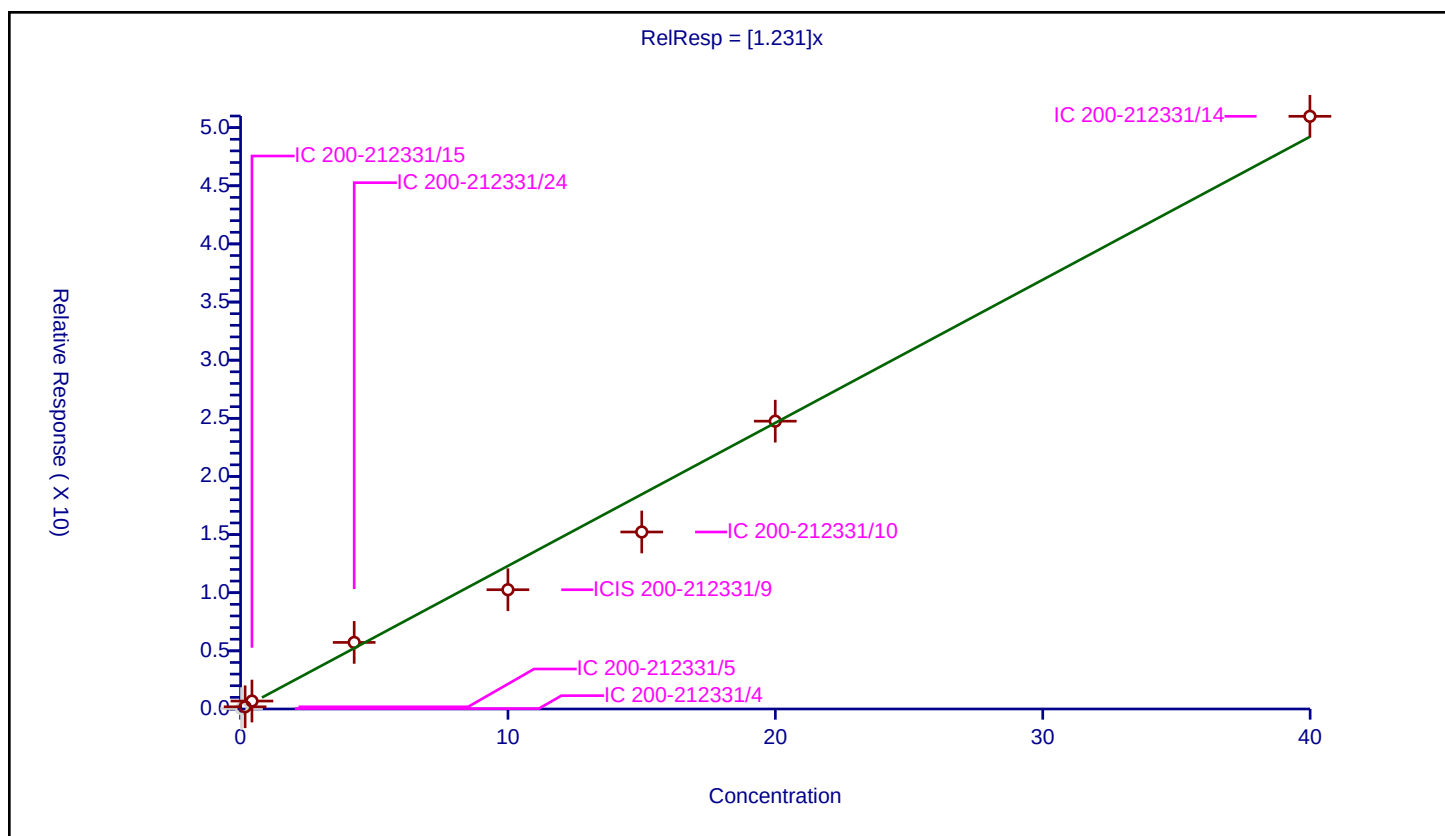
Curve Coefficients

Intercept: 0
 Slope: 1.231

Error Coefficients

Relative Standard Deviation: 16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.035438	10.0	263842.0	1.01029	N
2	IC 200-212331/5	0.170374	0.188971	10.0	264908.0	1.109157	Y
3	IC 200-212331/15	0.425385	0.682336	10.0	306931.0	1.604044	Y
4	IC 200-212331/24	4.249175	5.725484	10.0	321613.0	1.347434	Y
5	ICIS 200-212331/9	9.99806	10.258214	10.0	253975.0	1.02602	Y
6	IC 200-212331/10	15.003557	15.224375	10.0	274607.0	1.014718	Y
7	IC 200-212331/13	19.99612	24.754392	10.0	294595.0	1.23796	Y
8	IC 200-212331/14	39.99224	50.975609	10.0	315485.0	1.274638	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

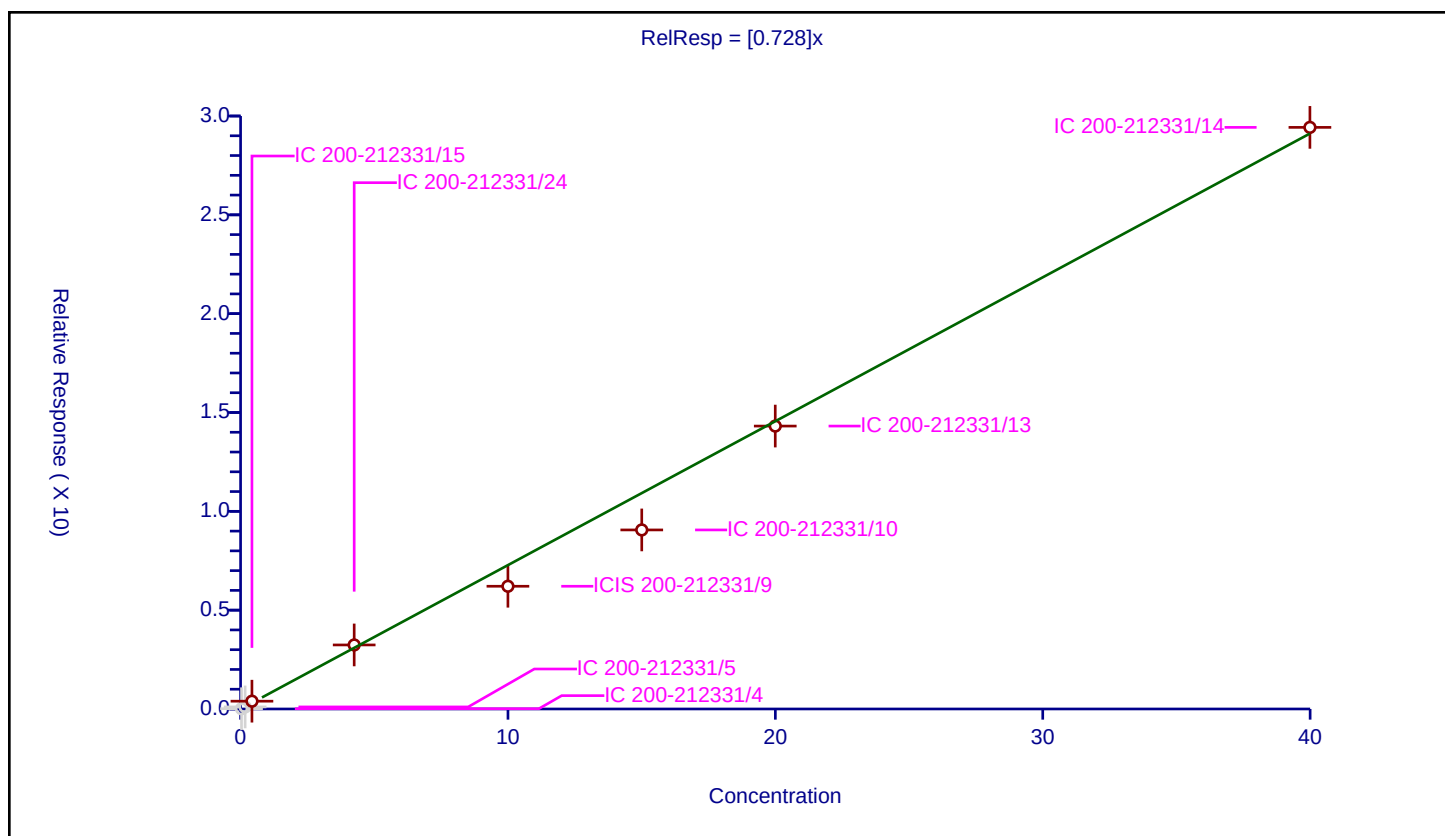
Curve Coefficients

Intercept: 0
Slope: 0.728

Error Coefficients

Relative Standard Deviation: 16.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.01444	10.0	263842.0	0.41168	N
2	IC 200-212331/5	0.170374	0.105055	10.0	264908.0	0.616617	N
3	IC 200-212331/15	0.425385	0.395105	10.0	306931.0	0.928818	Y
4	IC 200-212331/24	4.249175	3.240043	10.0	321613.0	0.762511	Y
5	ICIS 200-212331/9	9.99806	6.208721	10.0	253975.0	0.620993	Y
6	IC 200-212331/10	15.003557	9.059165	10.0	274607.0	0.603801	Y
7	IC 200-212331/13	19.99612	14.313923	10.0	294595.0	0.715835	Y
8	IC 200-212331/14	39.99224	29.424822	10.0	315485.0	0.735763	Y



Calibration

/ 2-Methylbutane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

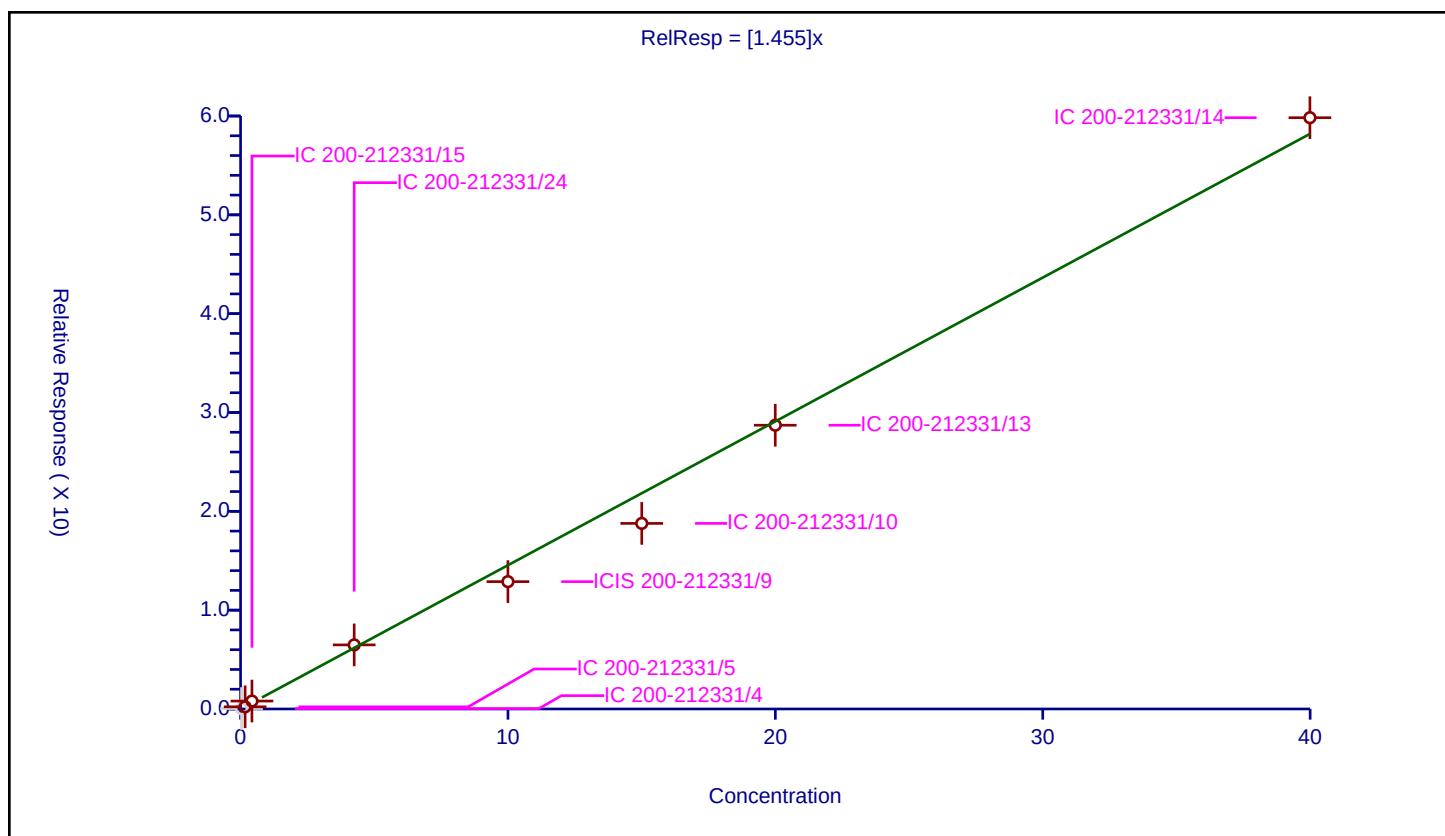
Curve Coefficients

Intercept: 0
Slope: 1.455

Error Coefficients

Relative Standard Deviation: 15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.040668	10.0	263842.0	1.159402	N
2	IC 200-212331/5	0.170374	0.221058	10.0	264908.0	1.297488	Y
3	IC 200-212331/15	0.425385	0.803568	10.0	306931.0	1.889039	Y
4	IC 200-212331/24	4.249175	6.484657	10.0	321613.0	1.526098	Y
5	ICIS 200-212331/9	9.99806	12.885796	10.0	253975.0	1.28883	Y
6	IC 200-212331/10	15.003557	18.778509	10.0	274607.0	1.251604	Y
7	IC 200-212331/13	19.99612	28.713692	10.0	294595.0	1.435963	Y
8	IC 200-212331/14	39.99224	59.829913	10.0	315485.0	1.496038	Y



Calibration

/ Vinyl bromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

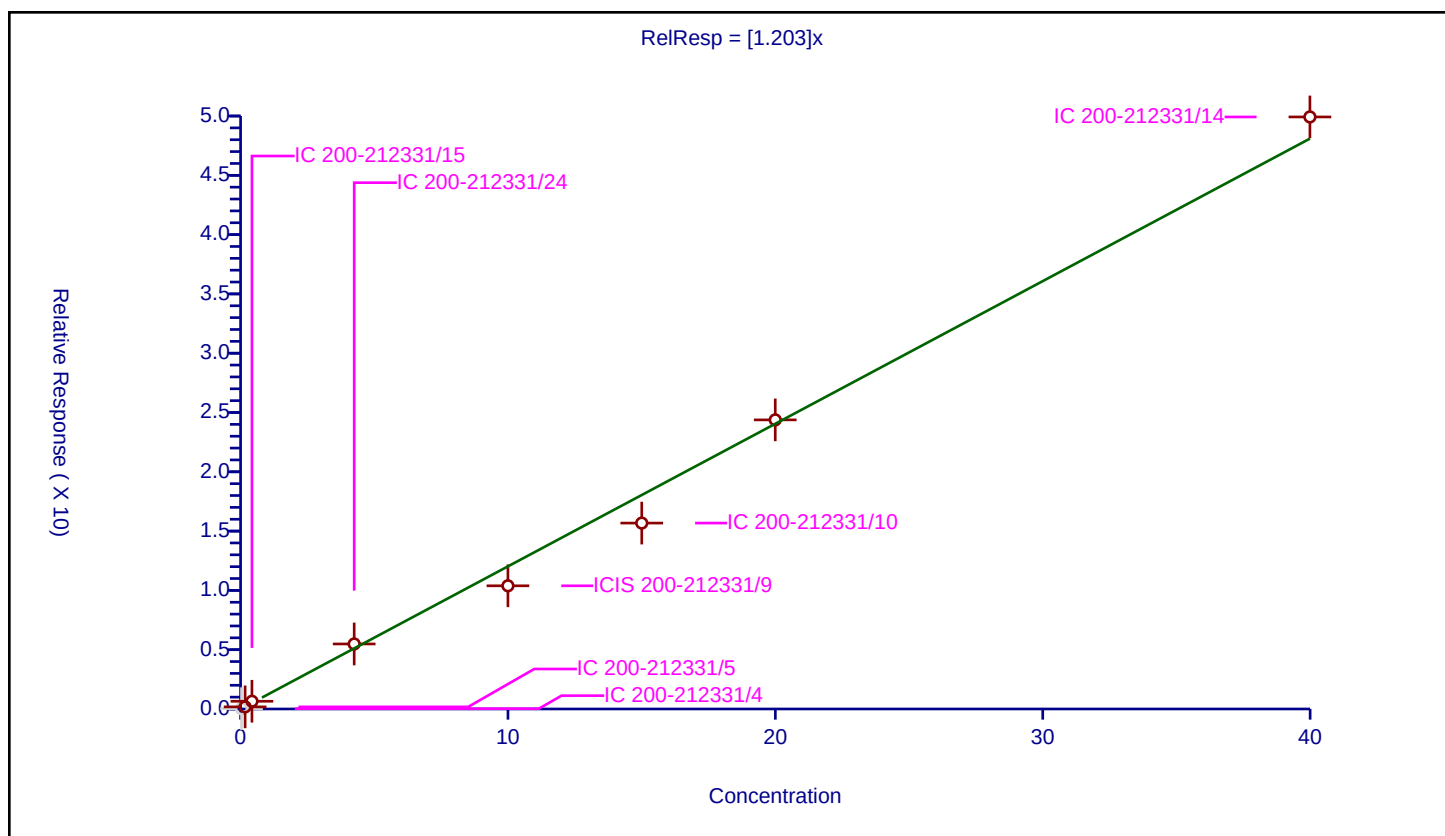
Curve Coefficients

Intercept: 0
Slope: 1.203

Error Coefficients

Relative Standard Deviation: 15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.028995	10.0	263842.0	0.826601	N
2	IC 200-212331/5	0.170374	0.177911	10.0	264908.0	1.044239	Y
3	IC 200-212331/15	0.425385	0.651677	10.0	306931.0	1.531972	Y
4	IC 200-212331/24	4.249175	5.483516	10.0	321613.0	1.290489	Y
5	ICIS 200-212331/9	9.99806	10.387282	10.0	253975.0	1.03893	Y
6	IC 200-212331/10	15.003557	15.676694	10.0	274607.0	1.044865	Y
7	IC 200-212331/13	19.99612	24.378621	10.0	294595.0	1.219168	Y
8	IC 200-212331/14	39.99224	49.921264	10.0	315485.0	1.248274	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

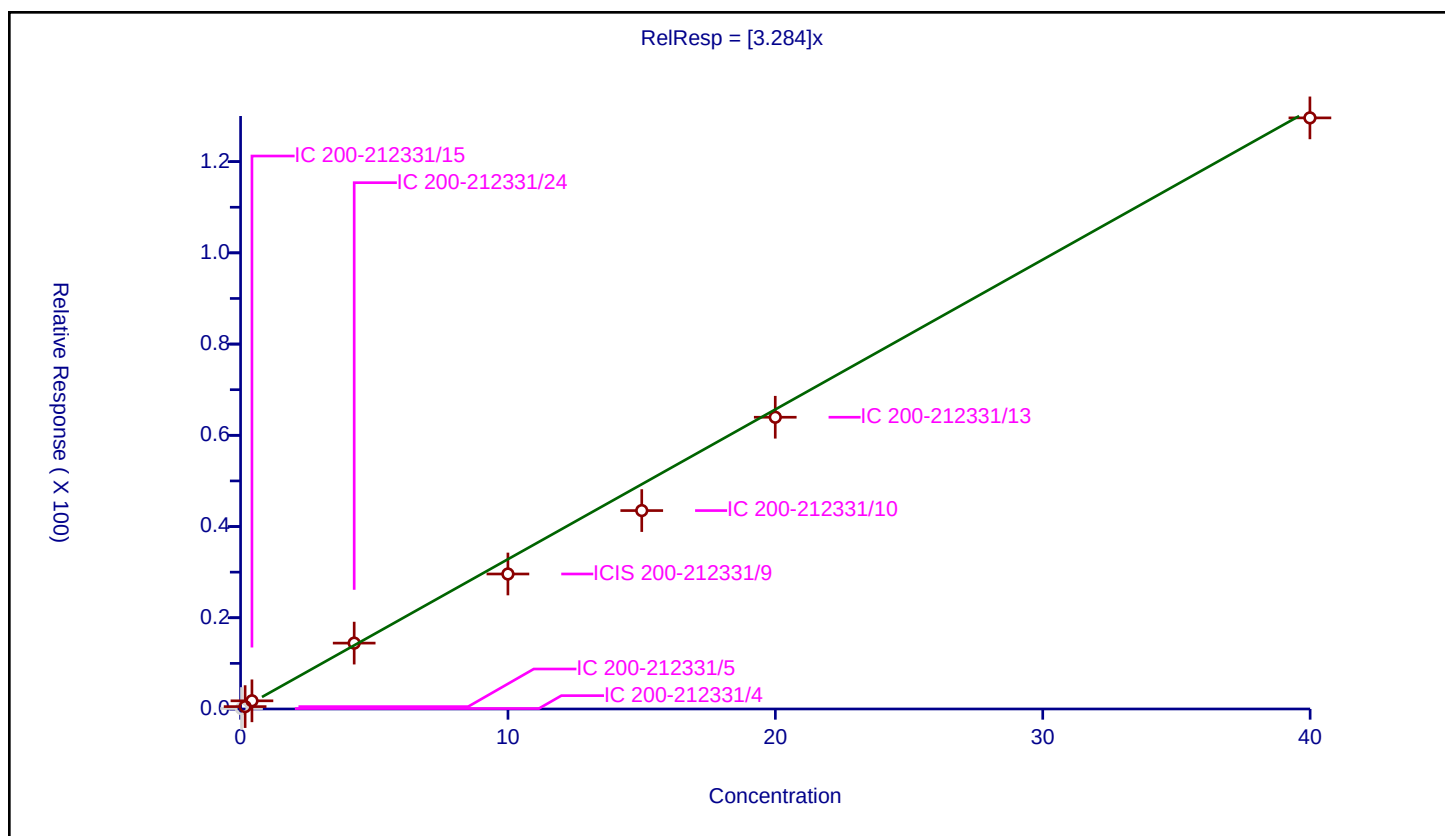
Curve Coefficients

Intercept: 0
Slope: 3.284

Error Coefficients

Relative Standard Deviation: 13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.102902	10.0	263842.0	2.933622	N
2	IC 200-212331/5	0.170374	0.52354	10.0	264908.0	3.072893	Y
3	IC 200-212331/15	0.425385	1.792976	10.0	306931.0	4.214952	Y
4	IC 200-212331/24	4.249175	14.44497	10.0	321613.0	3.399476	Y
5	ICIS 200-212331/9	9.99806	29.596732	10.0	253975.0	2.960248	Y
6	IC 200-212331/10	15.003557	43.498345	10.0	274607.0	2.899202	Y
7	IC 200-212331/13	19.99612	63.963238	10.0	294595.0	3.198782	Y
8	IC 200-212331/14	39.99224	129.59082	10.0	315485.0	3.240399	Y



Calibration

/ Pentane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

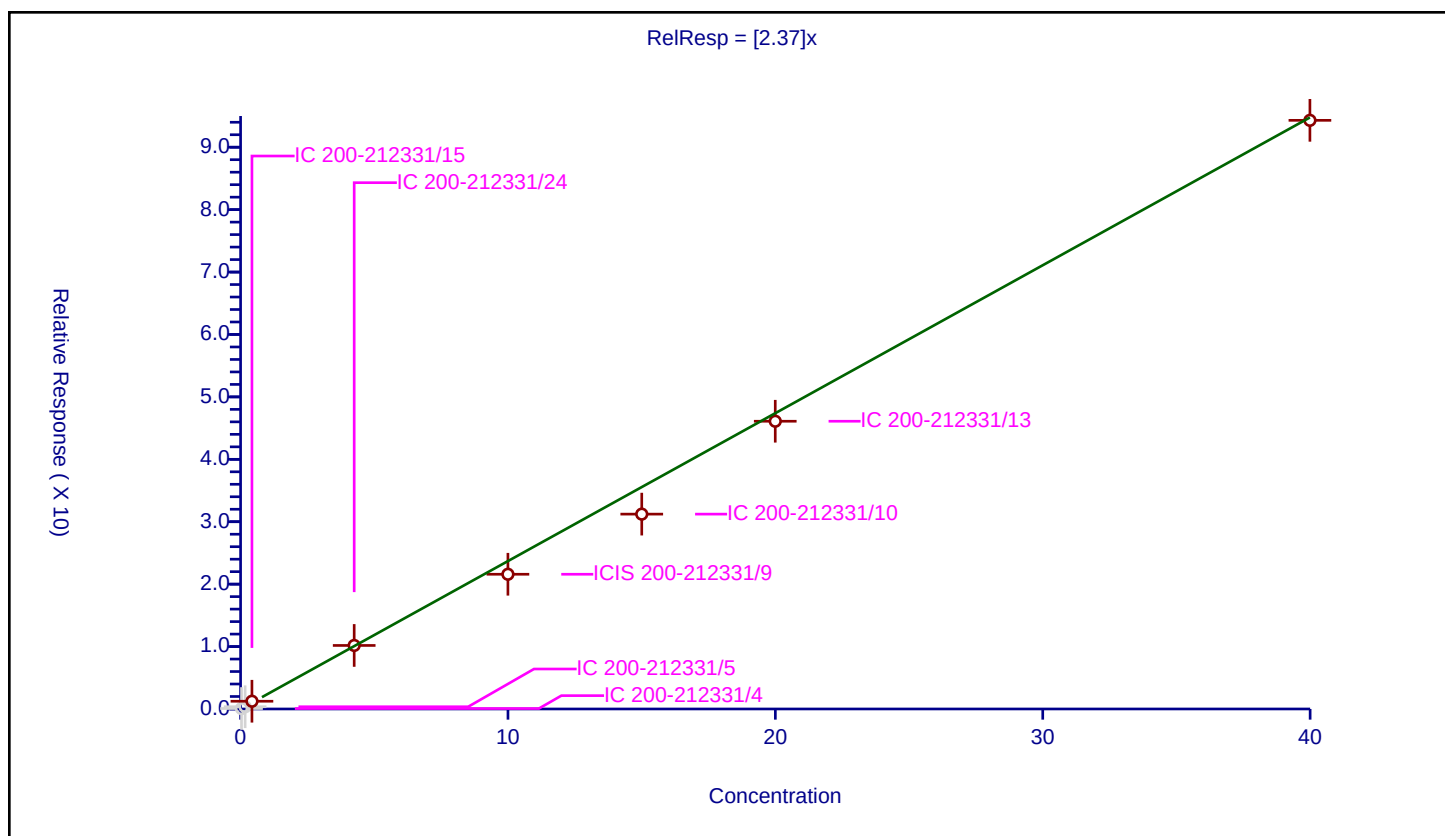
Curve Coefficients

Intercept: 0
Slope: 2.37

Error Coefficients

Relative Standard Deviation: 12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.073946	10.0	263842.0	2.108102	N
2	IC 200-212331/5	0.170374	0.362201	10.0	264908.0	2.125922	N
3	IC 200-212331/15	0.425385	1.24181	10.0	306931.0	2.919264	Y
4	IC 200-212331/24	4.249175	10.180652	10.0	321613.0	2.395912	Y
5	ICIS 200-212331/9	9.99806	21.583699	10.0	253975.0	2.158789	Y
6	IC 200-212331/10	15.003557	31.217886	10.0	274607.0	2.080699	Y
7	IC 200-212331/13	19.99612	46.097659	10.0	294595.0	2.30533	Y
8	IC 200-212331/14	39.99224	94.306195	10.0	315485.0	2.358112	Y



Calibration

/ Ethanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

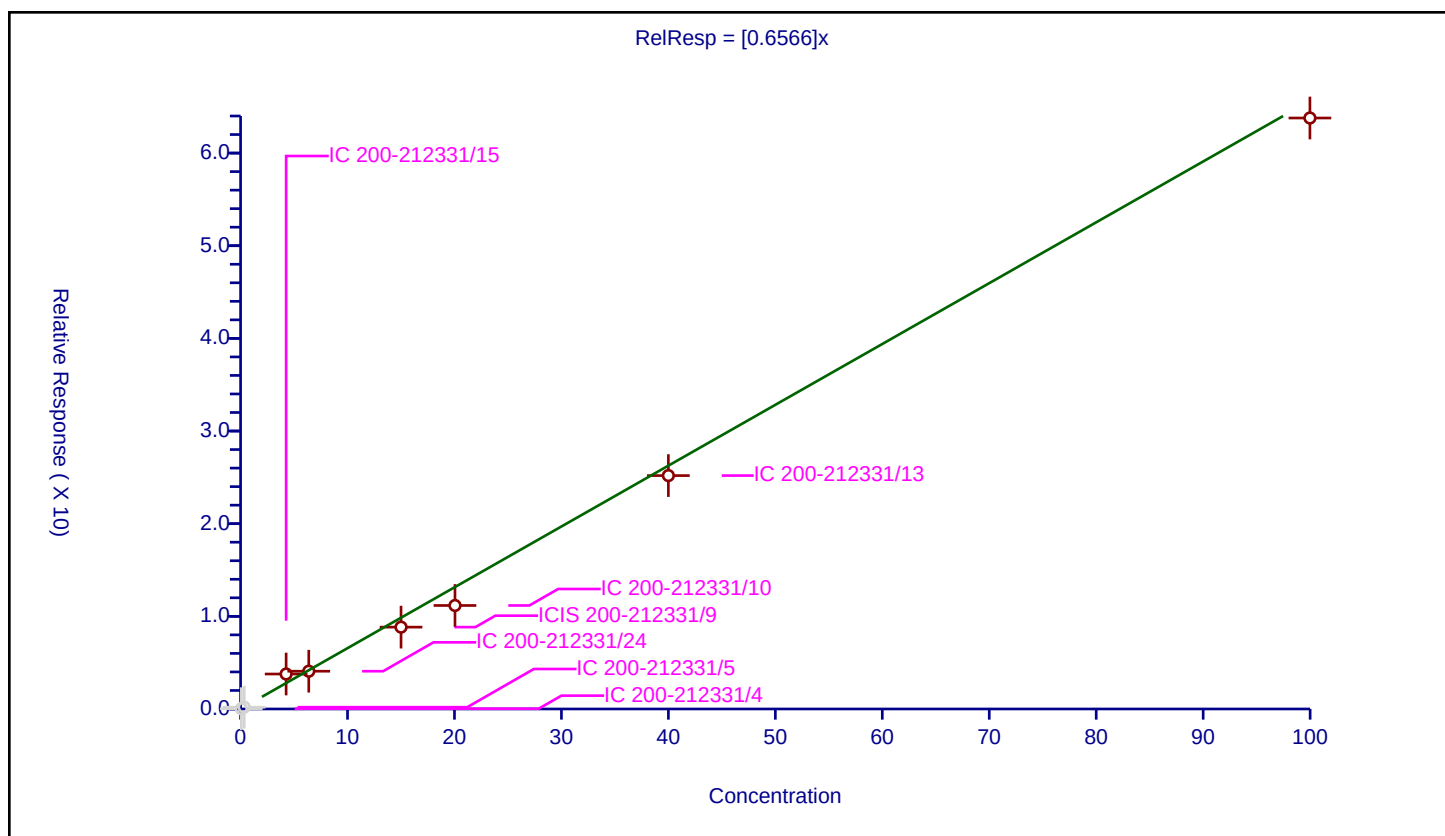
Curve Coefficients

Intercept: 0
Slope: 0.6566

Error Coefficients

Relative Standard Deviation: 17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.070165	0.031724	10.0	263842.0	0.452126	N
2	IC 200-212331/5	0.340803	0.194143	10.0	264908.0	0.569664	N
3	IC 200-212331/15	4.259043	3.774822	10.0	306931.0	0.886308	Y
4	IC 200-212331/24	6.376512	4.076514	10.0	321613.0	0.639302	Y
5	ICIS 200-212331/9	15.003557	8.834688	10.0	253975.0	0.58884	Y
6	IC 200-212331/10	20.047856	11.17142	10.0	274607.0	0.557238	Y
7	IC 200-212331/13	39.998707	25.19184	10.0	294595.0	0.629816	Y
8	IC 200-212331/14	99.980599	63.785061	10.0	315485.0	0.637974	Y



Calibration

/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

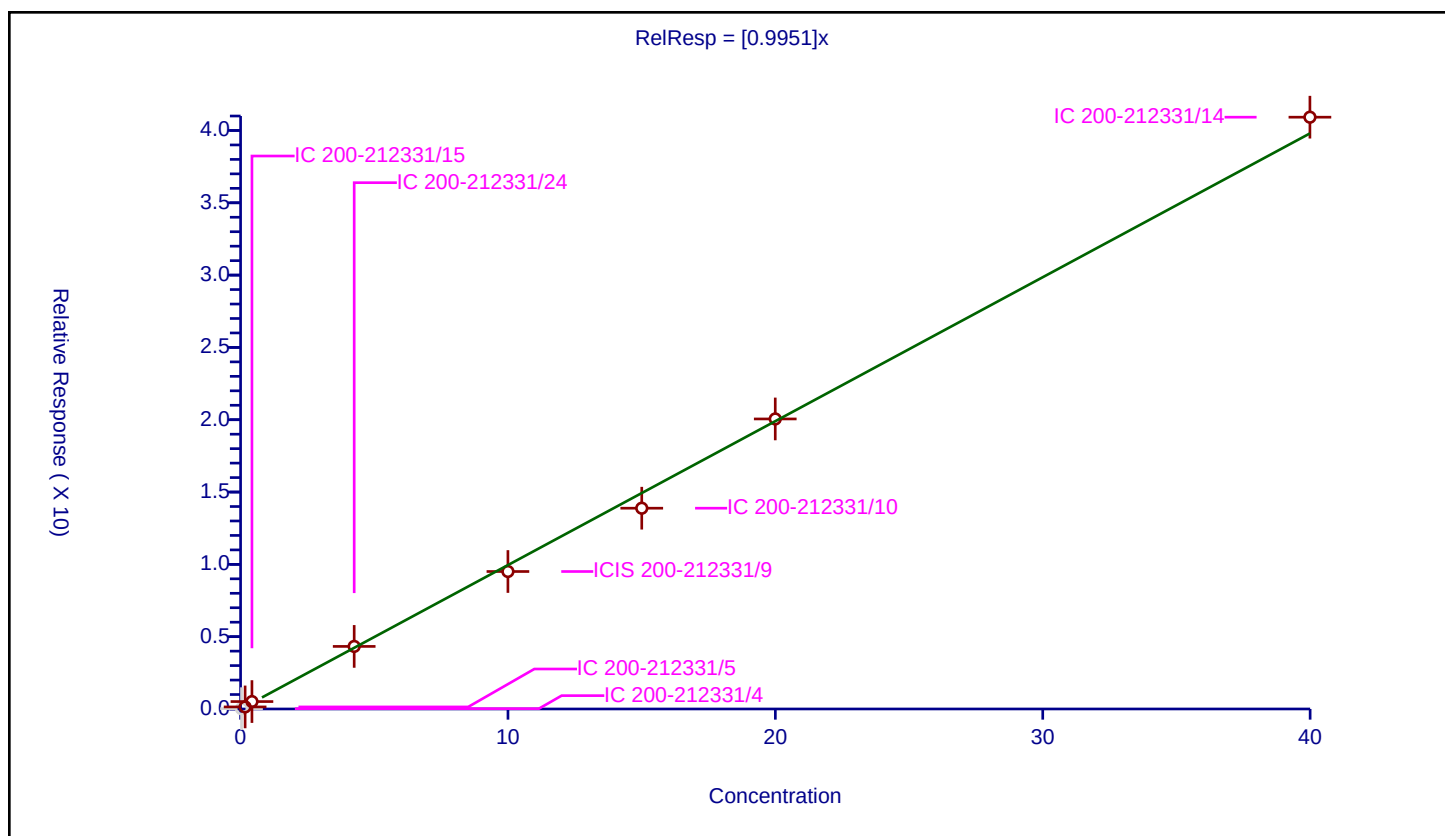
Curve Coefficients

Intercept: 0
Slope: 0.9951

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.022324	10.0	263842.0	0.636429	N
2	IC 200-212331/5	0.170374	0.14288	10.0	264908.0	0.838626	Y
3	IC 200-212331/15	0.425385	0.513275	10.0	306931.0	1.206614	Y
4	IC 200-212331/24	4.249175	4.327033	10.0	321613.0	1.018323	Y
5	ICIS 200-212331/9	9.99806	9.505936	10.0	253975.0	0.950778	Y
6	IC 200-212331/10	15.003557	13.882494	10.0	274607.0	0.92528	Y
7	IC 200-212331/13	19.99612	20.055025	10.0	294595.0	1.002946	Y
8	IC 200-212331/14	39.99224	40.919029	10.0	315485.0	1.023174	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

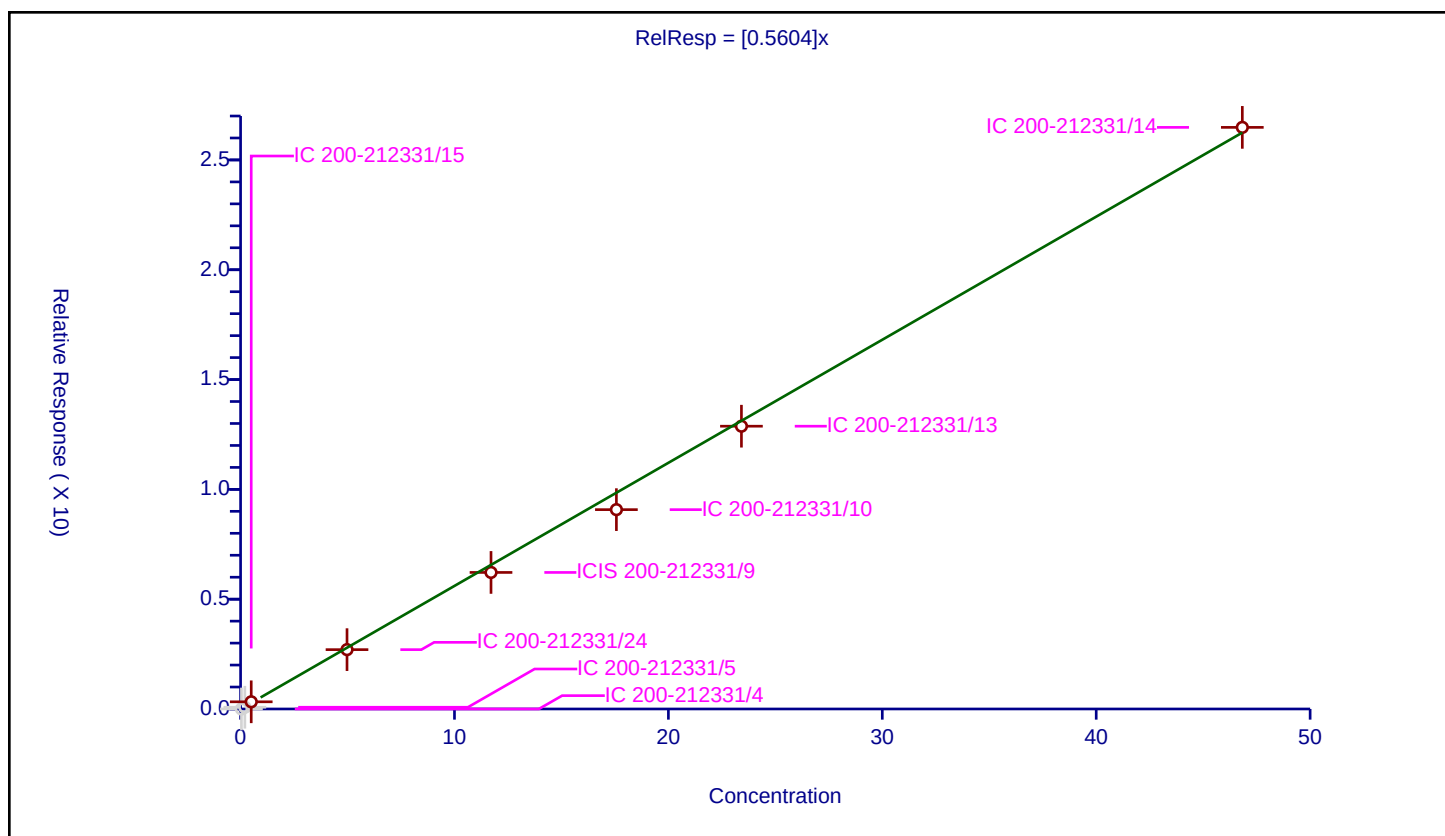
Curve Coefficients

Intercept: 0
Slope: 0.5604

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.041075	0.0	10.0	263842.0	0.0	N
2	IC 200-212331/5	0.199508	0.080066	10.0	264908.0	0.401316	N
3	IC 200-212331/15	0.498125	0.326946	10.0	306931.0	0.656354	Y
4	IC 200-212331/24	4.975784	2.702254	10.0	321613.0	0.543081	Y
5	ICIS 200-212331/9	11.707728	6.217738	10.0	253975.0	0.53108	Y
6	IC 200-212331/10	17.569165	9.076535	10.0	274607.0	0.516617	Y
7	IC 200-212331/13	23.415456	12.876288	10.0	294595.0	0.549905	Y
8	IC 200-212331/14	46.830913	26.482178	10.0	315485.0	0.565485	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

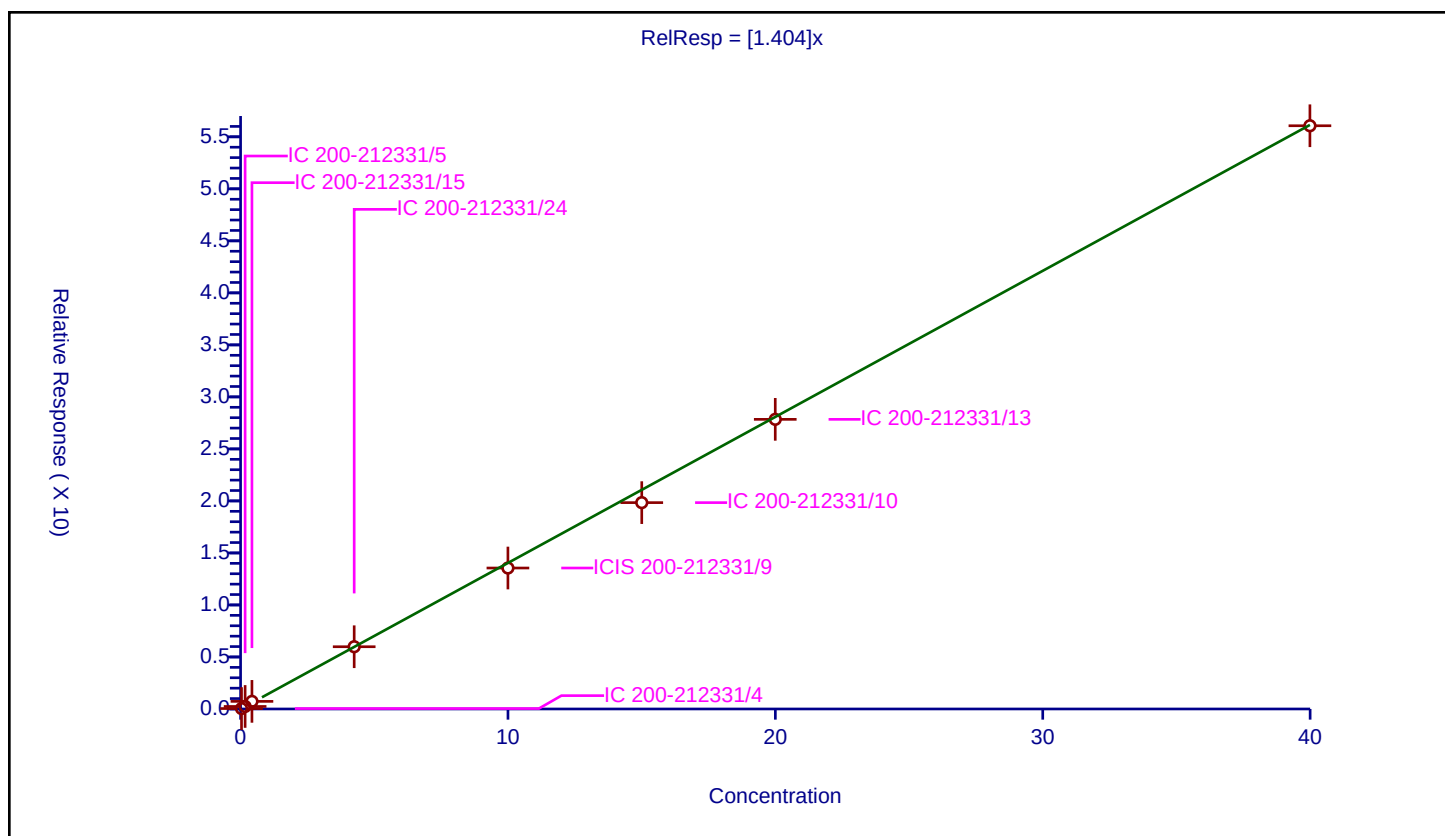
Curve Coefficients

Intercept: 0
Slope: 1.404

Error Coefficients

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.042374	10.0	263842.0	1.208026	Y
2	IC 200-212331/5	0.170374	0.24265	10.0	264908.0	1.424224	Y
3	IC 200-212331/15	0.425385	0.731109	10.0	306931.0	1.718701	Y
4	IC 200-212331/24	4.249175	5.984802	10.0	321613.0	1.408462	Y
5	ICIS 200-212331/9	9.99806	13.551373	10.0	253975.0	1.3554	Y
6	IC 200-212331/10	15.003557	19.836057	10.0	274607.0	1.32209	Y
7	IC 200-212331/13	19.99612	27.843039	10.0	294595.0	1.392422	Y
8	IC 200-212331/14	39.99224	56.063521	10.0	315485.0	1.40186	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

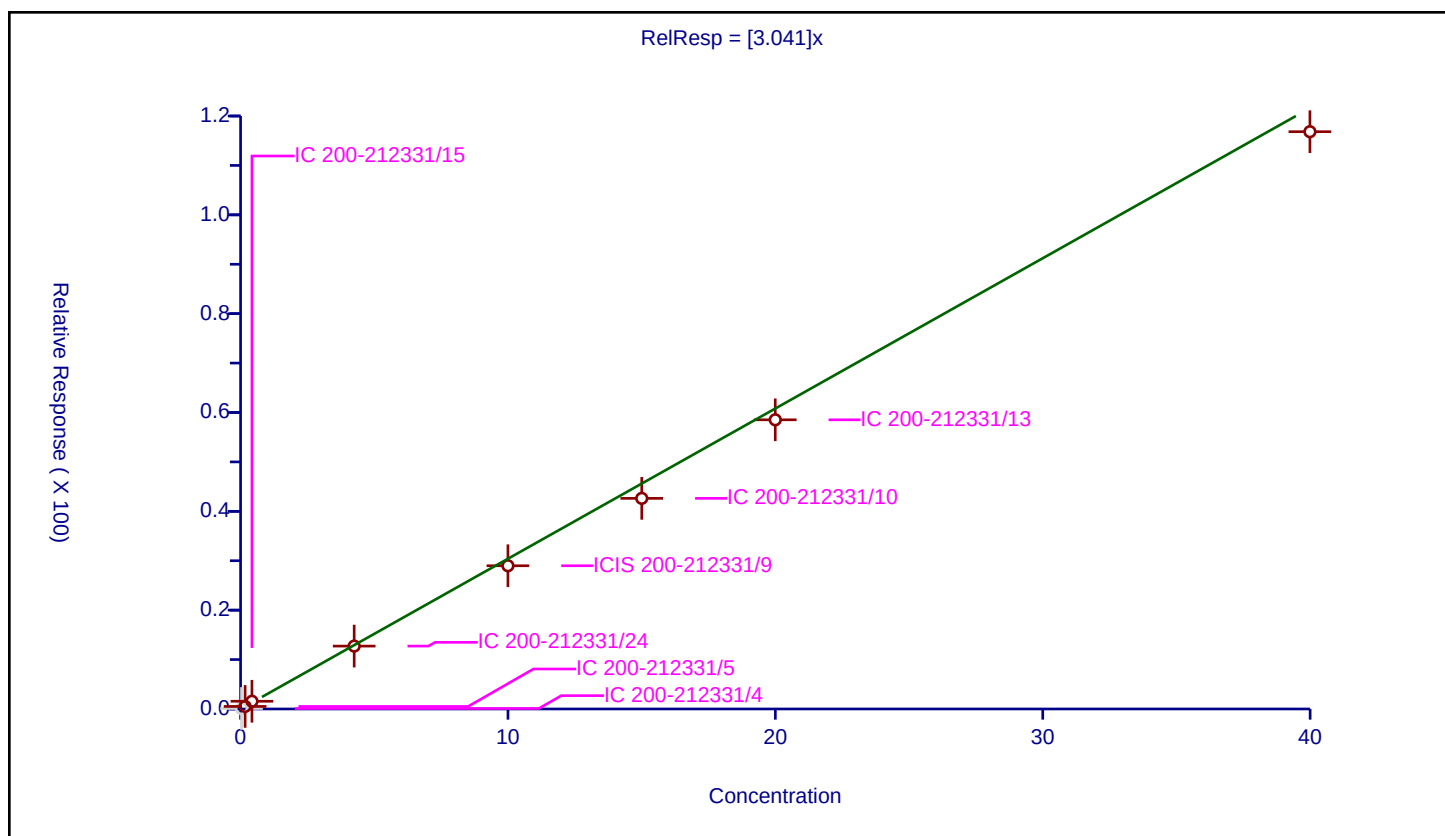
Curve Coefficients

Intercept: 0
Slope: 3.041

Error Coefficients

Relative Standard Deviation: 9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.097445	10.0	263842.0	2.778027	N
2	IC 200-212331/5	0.170374	0.5155	10.0	264908.0	3.0257	Y
3	IC 200-212331/15	0.425385	1.56299	10.0	306931.0	3.674297	Y
4	IC 200-212331/24	4.249175	12.729336	10.0	321613.0	2.995719	Y
5	ICIS 200-212331/9	9.99806	28.986633	10.0	253975.0	2.899226	Y
6	IC 200-212331/10	15.003557	42.623932	10.0	274607.0	2.840922	Y
7	IC 200-212331/13	19.99612	58.520274	10.0	294595.0	2.926581	Y
8	IC 200-212331/14	39.99224	116.82492	10.0	315485.0	2.92119	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

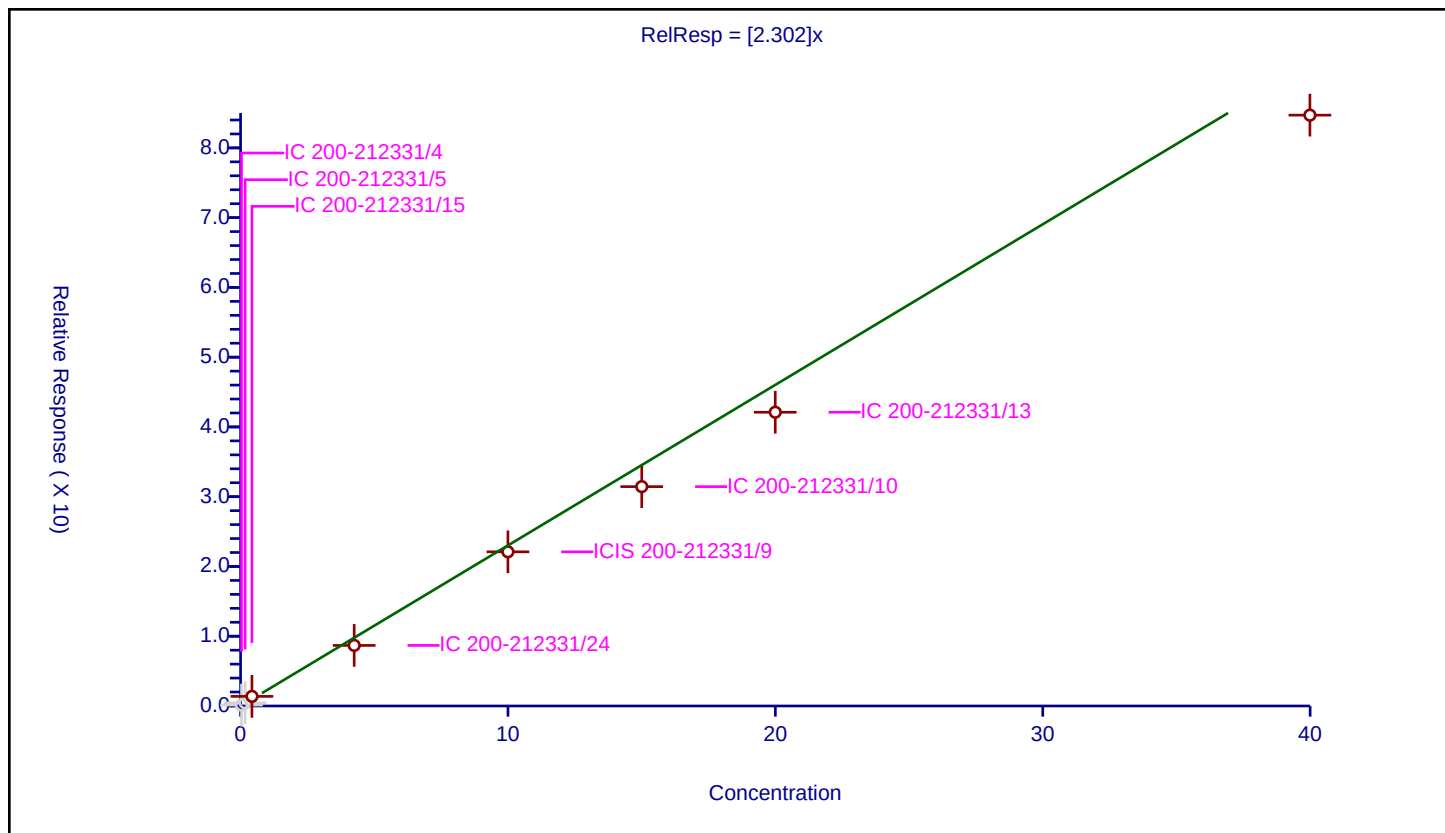
Curve Coefficients

Intercept: 0
 Slope: 2.302

Error Coefficients

Relative Standard Deviation: 20.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.133375	10.0	263842.0	3.802363	N
2	IC 200-212331/5	0.170374	0.450194	10.0	264908.0	2.642391	N
3	IC 200-212331/15	0.425385	1.376857	10.0	306931.0	3.236733	Y
4	IC 200-212331/24	4.249175	8.681521	10.0	321613.0	2.043107	Y
5	ICIS 200-212331/9	9.99806	22.101742	10.0	253975.0	2.210603	Y
6	IC 200-212331/10	15.003557	31.443882	10.0	274607.0	2.095762	Y
7	IC 200-212331/13	19.99612	42.107436	10.0	294595.0	2.10578	Y
8	IC 200-212331/14	39.99224	84.696039	10.0	315485.0	2.117812	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

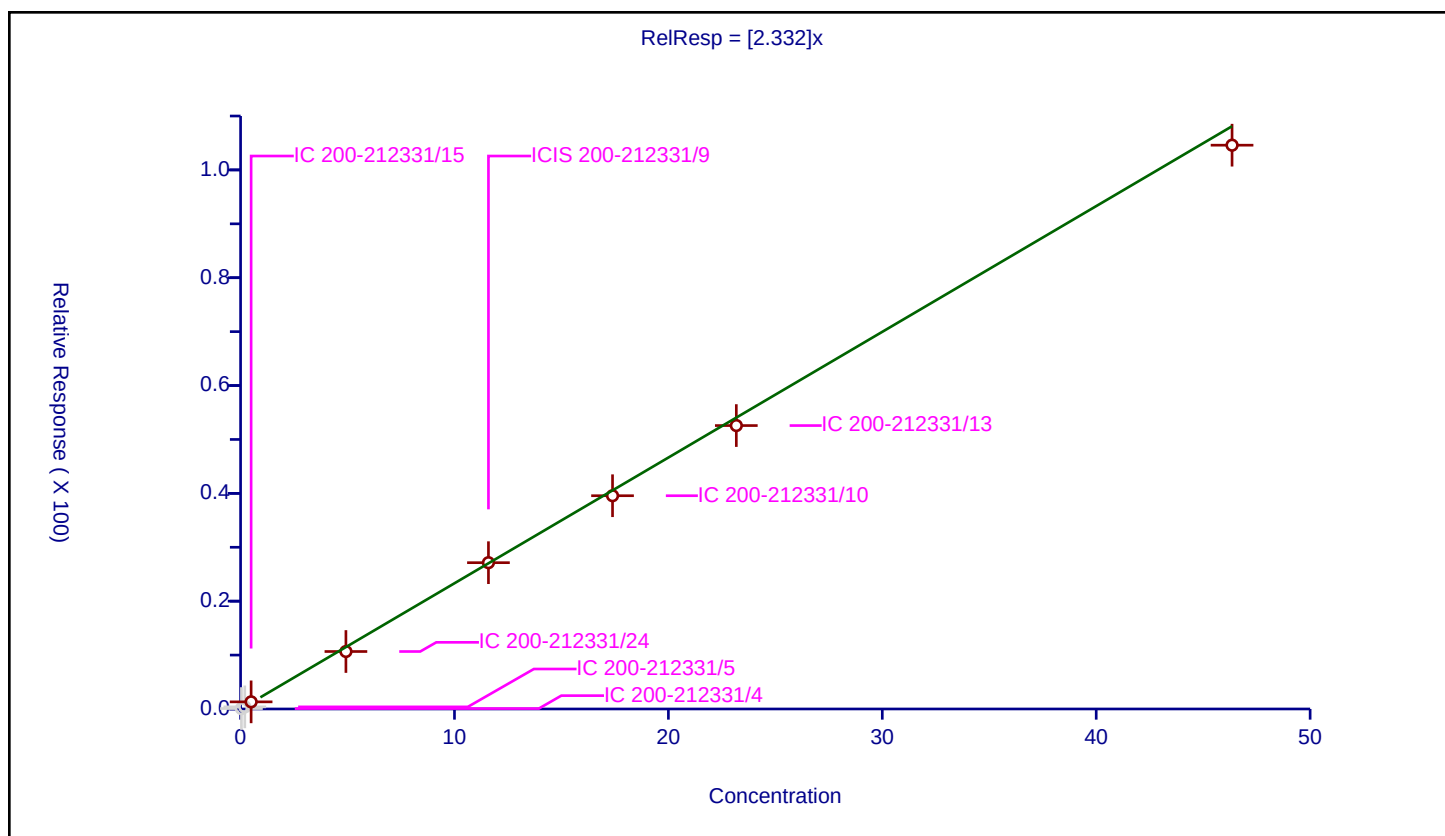
Curve Coefficients

Intercept: 0
Slope: 2.332

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.040654	0.083042	10.0	263842.0	2.042647	N
2	IC 200-212331/5	0.197463	0.395269	10.0	264908.0	2.001737	N
3	IC 200-212331/15	0.493021	1.323783	10.0	306931.0	2.685044	Y
4	IC 200-212331/24	4.924794	10.663872	10.0	321613.0	2.165344	Y
5	ICIS 200-212331/9	11.587751	27.142672	10.0	253975.0	2.342359	Y
6	IC 200-212331/10	17.389122	39.563048	10.0	274607.0	2.275161	Y
7	IC 200-212331/13	23.175503	52.578353	10.0	294595.0	2.268704	Y
8	IC 200-212331/14	46.351006	104.58903	10.0	315485.0	2.256457	Y



Calibration

/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

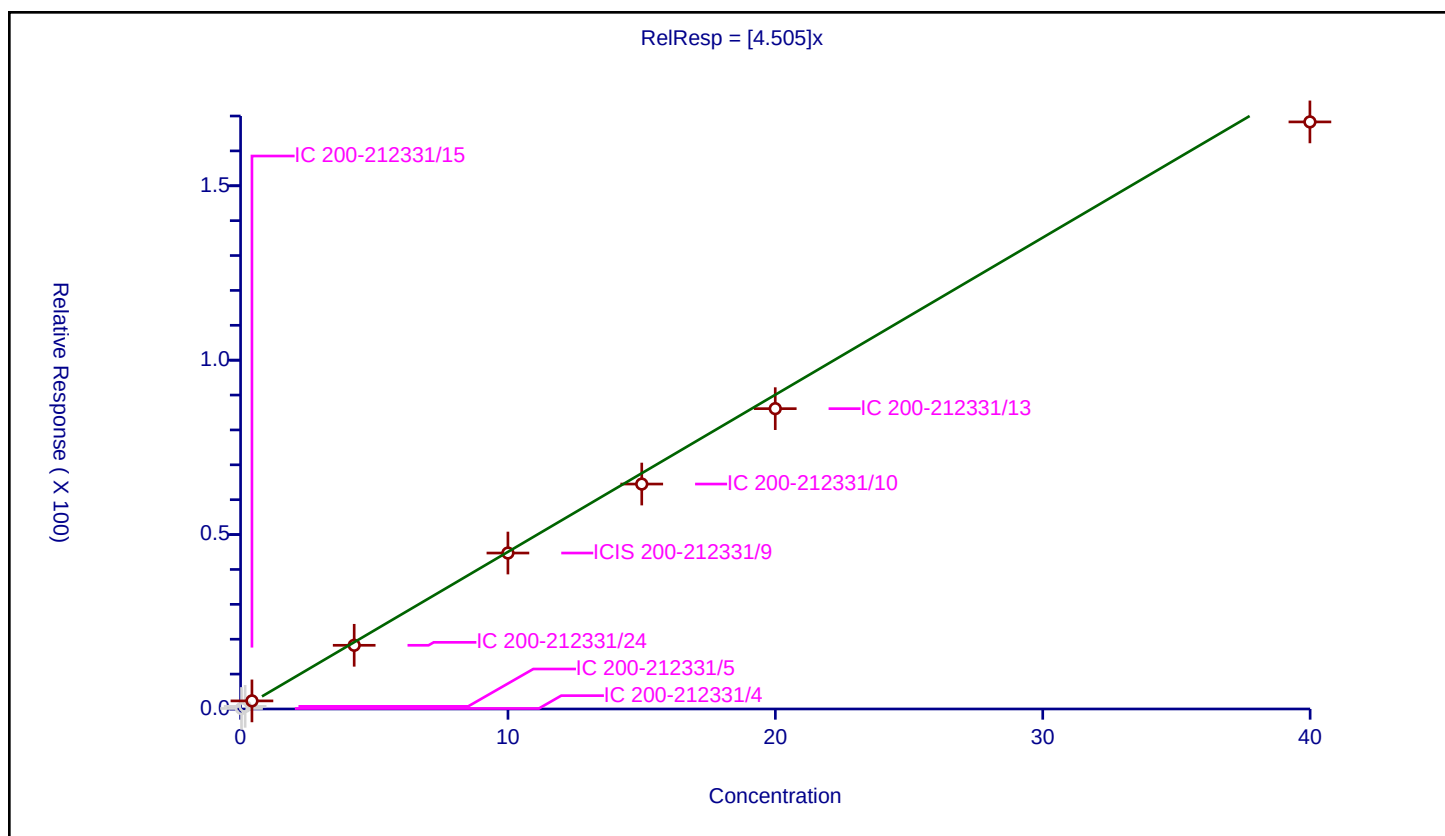
Curve Coefficients

Intercept: 0
Slope: 4.505

Error Coefficients

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.151416	10.0	263842.0	4.316693	N
2	IC 200-212331/5	0.170374	0.756829	10.0	264908.0	4.442169	N
3	IC 200-212331/15	0.425385	2.316644	10.0	306931.0	5.445999	Y
4	IC 200-212331/24	4.249175	18.262384	10.0	321613.0	4.297865	Y
5	ICIS 200-212331/9	9.99806	44.708495	10.0	253975.0	4.471717	Y
6	IC 200-212331/10	15.003557	64.490891	10.0	274607.0	4.298373	Y
7	IC 200-212331/13	19.99612	86.103532	10.0	294595.0	4.306012	Y
8	IC 200-212331/14	39.99224	168.306671	10.0	315485.0	4.208483	Y



Calibration

/ Acetonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

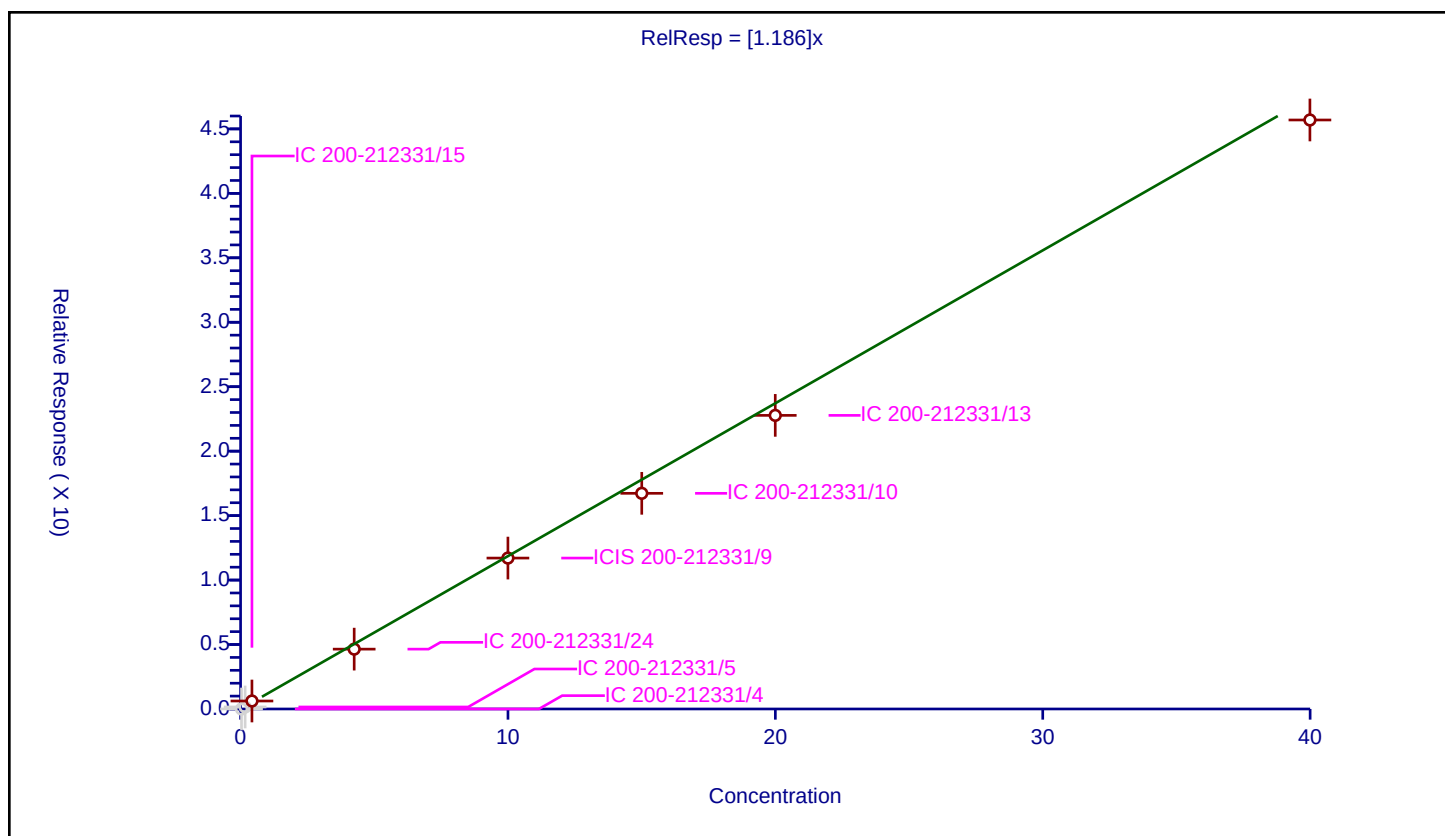
Curve Coefficients

Intercept: 0
 Slope: 1.186

Error Coefficients

Relative Standard Deviation: 11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.0	10.0	263842.0	0.0	N
2	IC 200-212331/5	0.170374	0.156432	10.0	264908.0	0.918168	N
3	IC 200-212331/15	0.425385	0.618869	10.0	306931.0	1.454845	Y
4	IC 200-212331/24	4.249175	4.643158	10.0	321613.0	1.09272	Y
5	ICIS 200-212331/9	9.99806	11.708318	10.0	253975.0	1.171059	Y
6	IC 200-212331/10	15.003557	16.730236	10.0	274607.0	1.115085	Y
7	IC 200-212331/13	19.99612	22.77632	10.0	294595.0	1.139037	Y
8	IC 200-212331/14	39.99224	45.692537	10.0	315485.0	1.142535	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

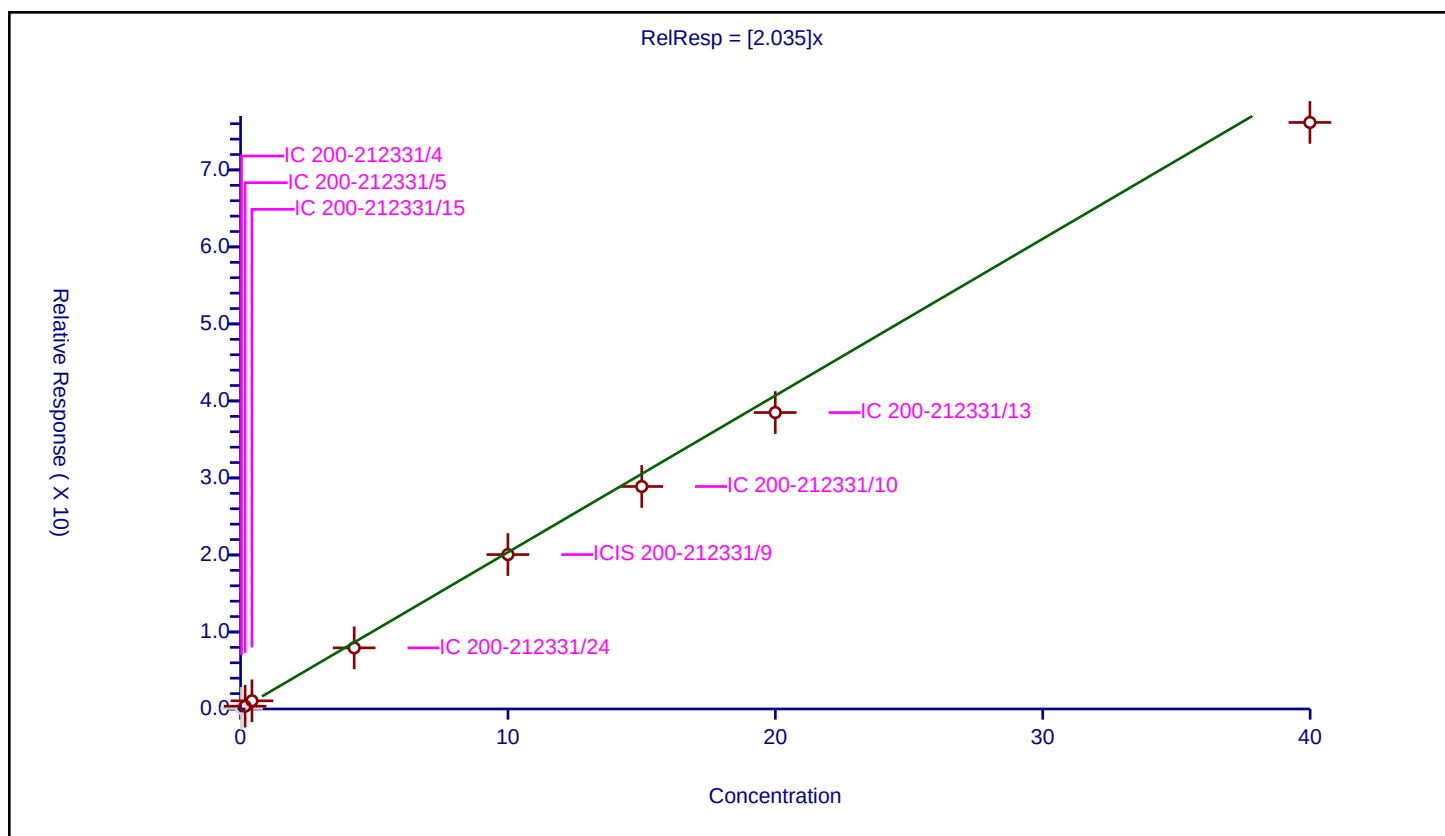
Curve Coefficients

Intercept: 0
Slope: 2.035

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.075083	10.0	263842.0	2.140518	N
2	IC 200-212331/5	0.170374	0.36088	10.0	264908.0	2.118167	Y
3	IC 200-212331/15	0.425385	1.062454	10.0	306931.0	2.49763	Y
4	IC 200-212331/24	4.249175	7.93749	10.0	321613.0	1.868007	Y
5	ICIS 200-212331/9	9.99806	20.049966	10.0	253975.0	2.005386	Y
6	IC 200-212331/10	15.003557	28.892053	10.0	274607.0	1.92568	Y
7	IC 200-212331/13	19.99612	38.494951	10.0	294595.0	1.925121	Y
8	IC 200-212331/14	39.99224	76.164128	10.0	315485.0	1.904473	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

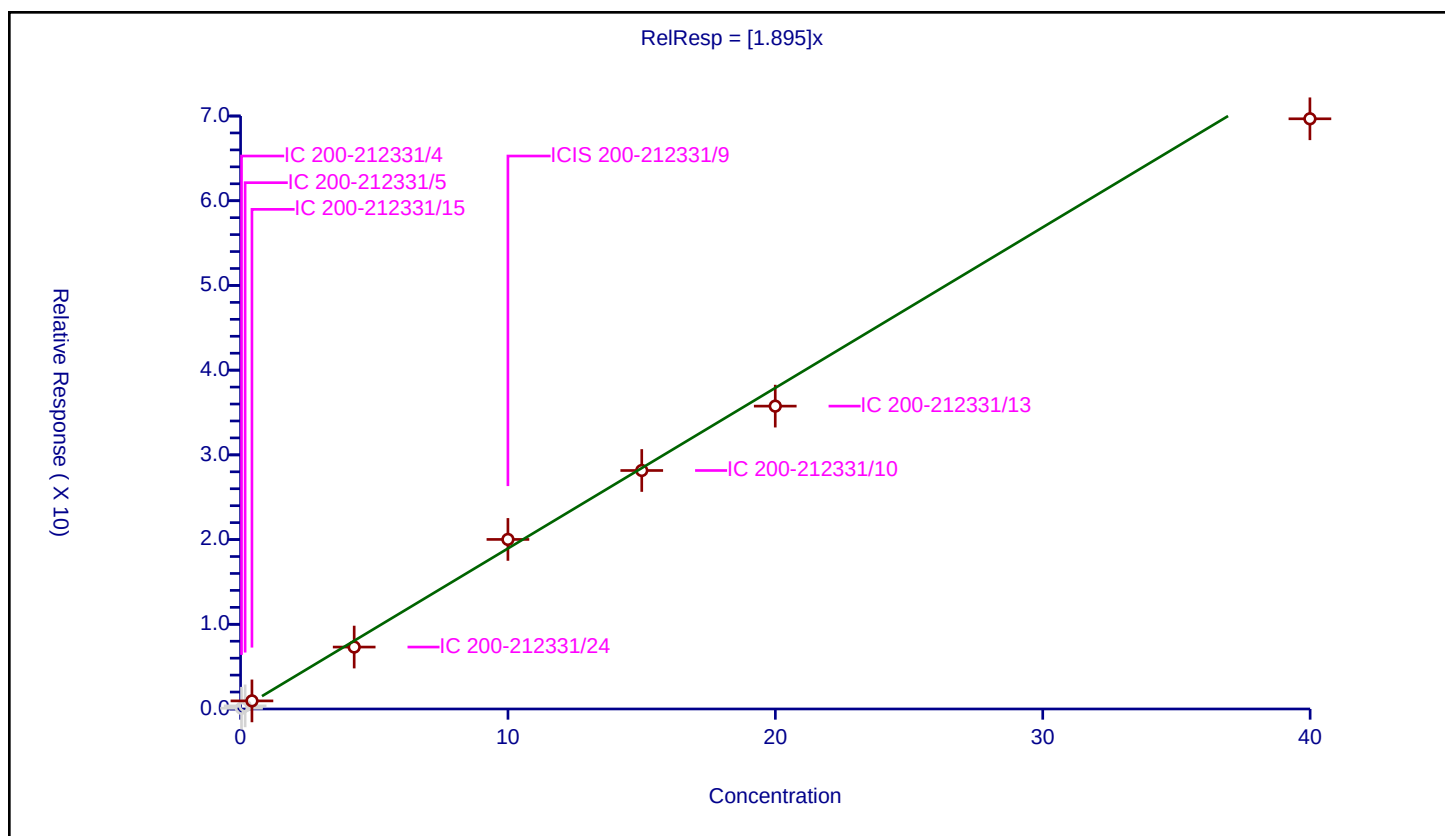
Curve Coefficients

Intercept: 0
Slope: 1.895

Error Coefficients

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.088197	10.0	263842.0	2.514379	N
2	IC 200-212331/5	0.170374	0.36541	10.0	264908.0	2.144755	N
3	IC 200-212331/15	0.425385	0.954221	10.0	306931.0	2.243195	Y
4	IC 200-212331/24	4.249175	7.31065	10.0	321613.0	1.720487	Y
5	ICIS 200-212331/9	9.99806	20.016104	10.0	253975.0	2.001999	Y
6	IC 200-212331/10	15.003557	28.153434	10.0	274607.0	1.876451	Y
7	IC 200-212331/13	19.99612	35.752915	10.0	294595.0	1.787993	Y
8	IC 200-212331/14	39.99224	69.671775	10.0	315485.0	1.742132	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

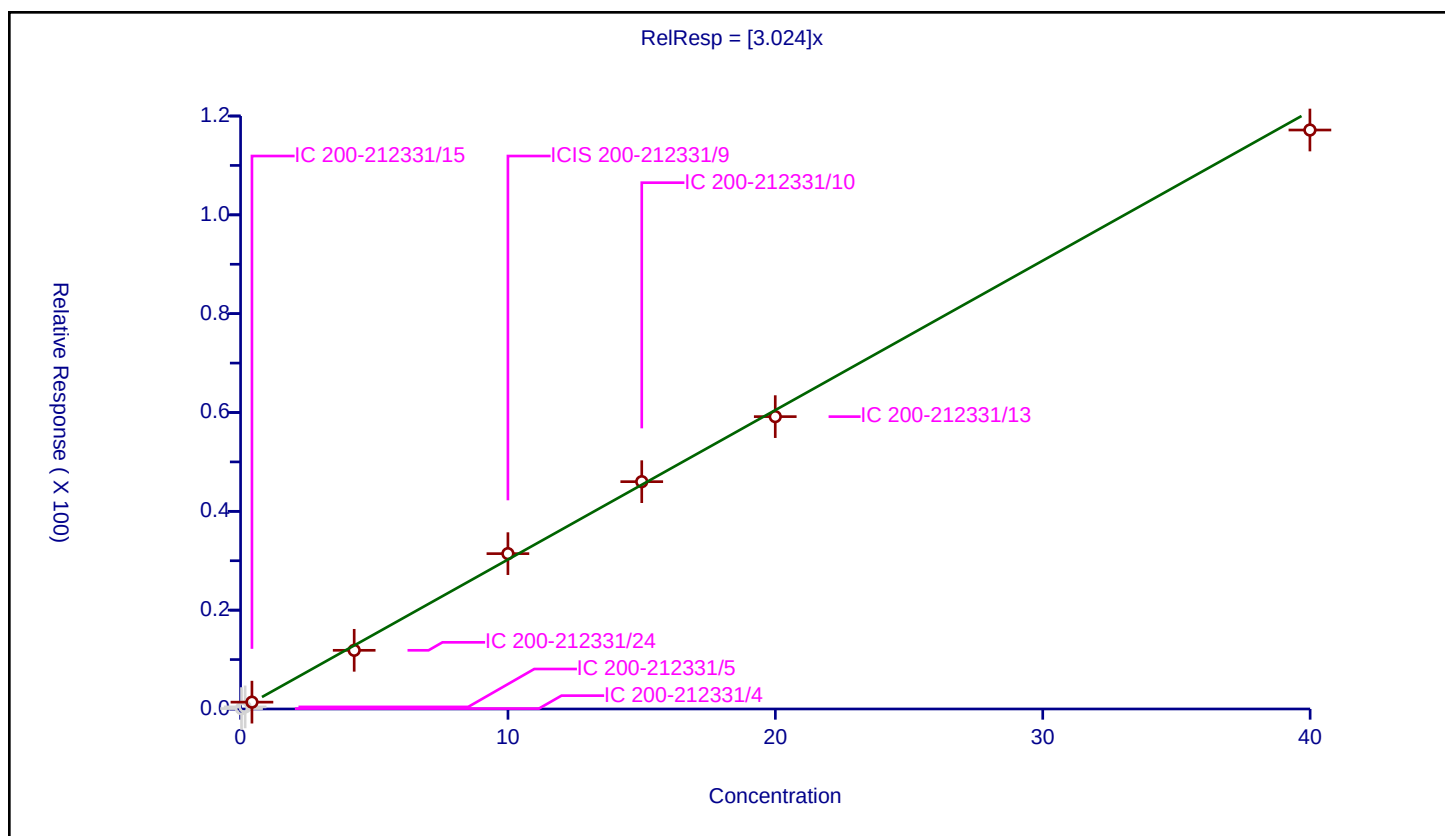
Curve Coefficients

Intercept: 0
Slope: 3.024

Error Coefficients

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.081109	10.0	263842.0	2.312321	N
2	IC 200-212331/5	0.170374	0.422902	10.0	264908.0	2.482199	N
3	IC 200-212331/15	0.425385	1.383308	10.0	306931.0	3.251898	Y
4	IC 200-212331/24	4.249175	11.876479	10.0	321613.0	2.795008	Y
5	ICIS 200-212331/9	9.99806	31.437464	10.0	253975.0	3.144356	Y
6	IC 200-212331/10	15.003557	46.004508	10.0	274607.0	3.06624	Y
7	IC 200-212331/13	19.99612	59.164684	10.0	294595.0	2.958808	Y
8	IC 200-212331/14	39.99224	117.168075	10.0	315485.0	2.92977	Y



Calibration

/ Acrylonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

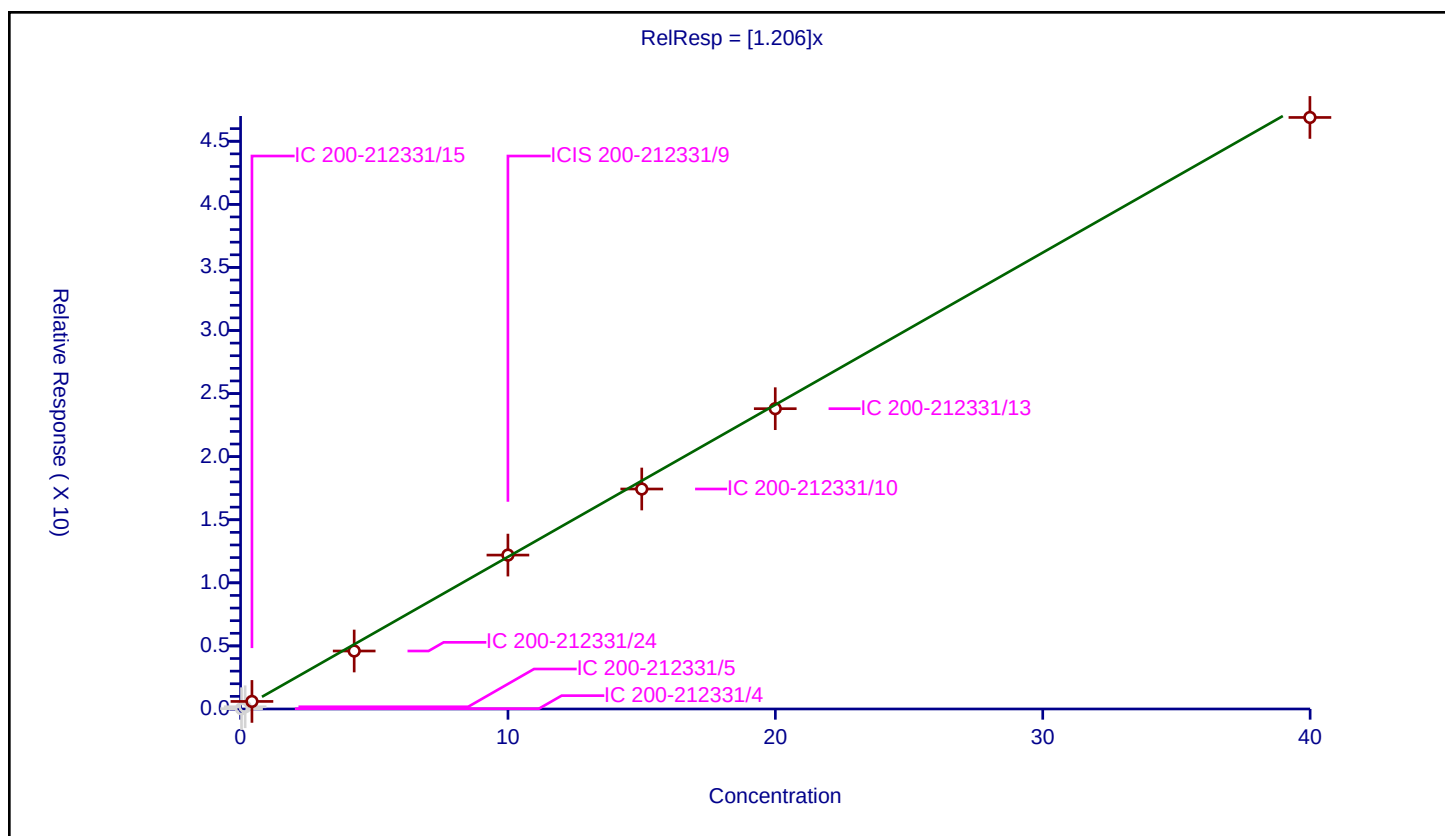
Curve Coefficients

Intercept: 0
 Slope: 1.206

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.025242	10.0	263842.0	0.719629	N
2	IC 200-212331/5	0.170374	0.176288	10.0	264908.0	1.034711	N
3	IC 200-212331/15	0.425385	0.598832	10.0	306931.0	1.407741	Y
4	IC 200-212331/24	4.249175	4.596985	10.0	321613.0	1.081853	Y
5	ICIS 200-212331/9	9.99806	12.19872	10.0	253975.0	1.220109	Y
6	IC 200-212331/10	15.003557	17.435754	10.0	274607.0	1.162108	Y
7	IC 200-212331/13	19.99612	23.80278	10.0	294595.0	1.19037	Y
8	IC 200-212331/14	39.99224	46.885779	10.0	315485.0	1.172372	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

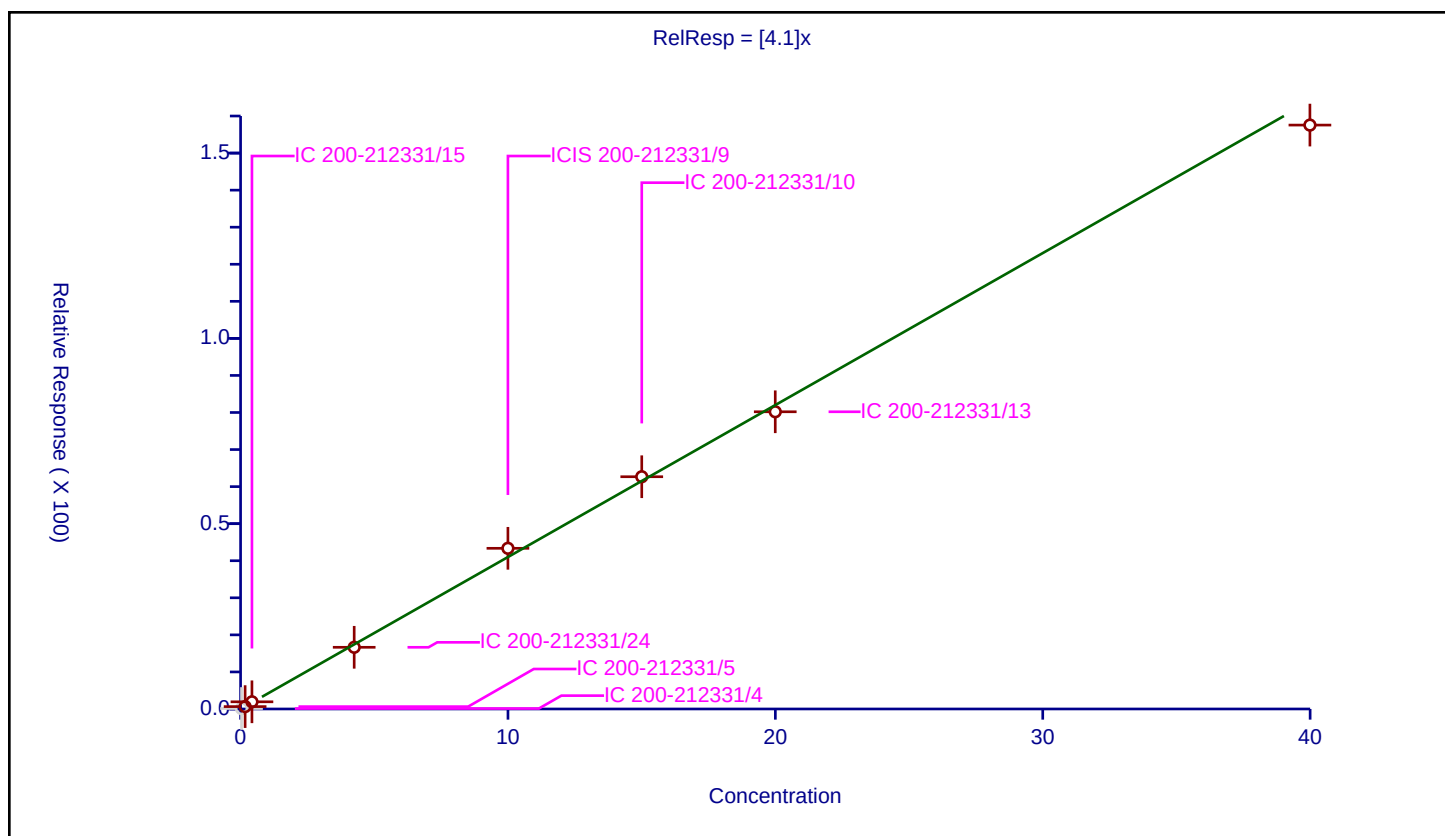
Curve Coefficients

Intercept: 0
Slope: 4.1

Error Coefficients

Relative Standard Deviation: 6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.123521	10.0	263842.0	3.521427	N
2	IC 200-212331/5	0.170374	0.641808	10.0	264908.0	3.767058	Y
3	IC 200-212331/15	0.425385	1.937895	10.0	306931.0	4.555629	Y
4	IC 200-212331/24	4.249175	16.644414	10.0	321613.0	3.917093	Y
5	ICIS 200-212331/9	9.99806	43.357023	10.0	253975.0	4.336544	Y
6	IC 200-212331/10	15.003557	62.665846	10.0	274607.0	4.176733	Y
7	IC 200-212331/13	19.99612	80.198102	10.0	294595.0	4.010683	Y
8	IC 200-212331/14	39.99224	157.552182	10.0	315485.0	3.939569	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

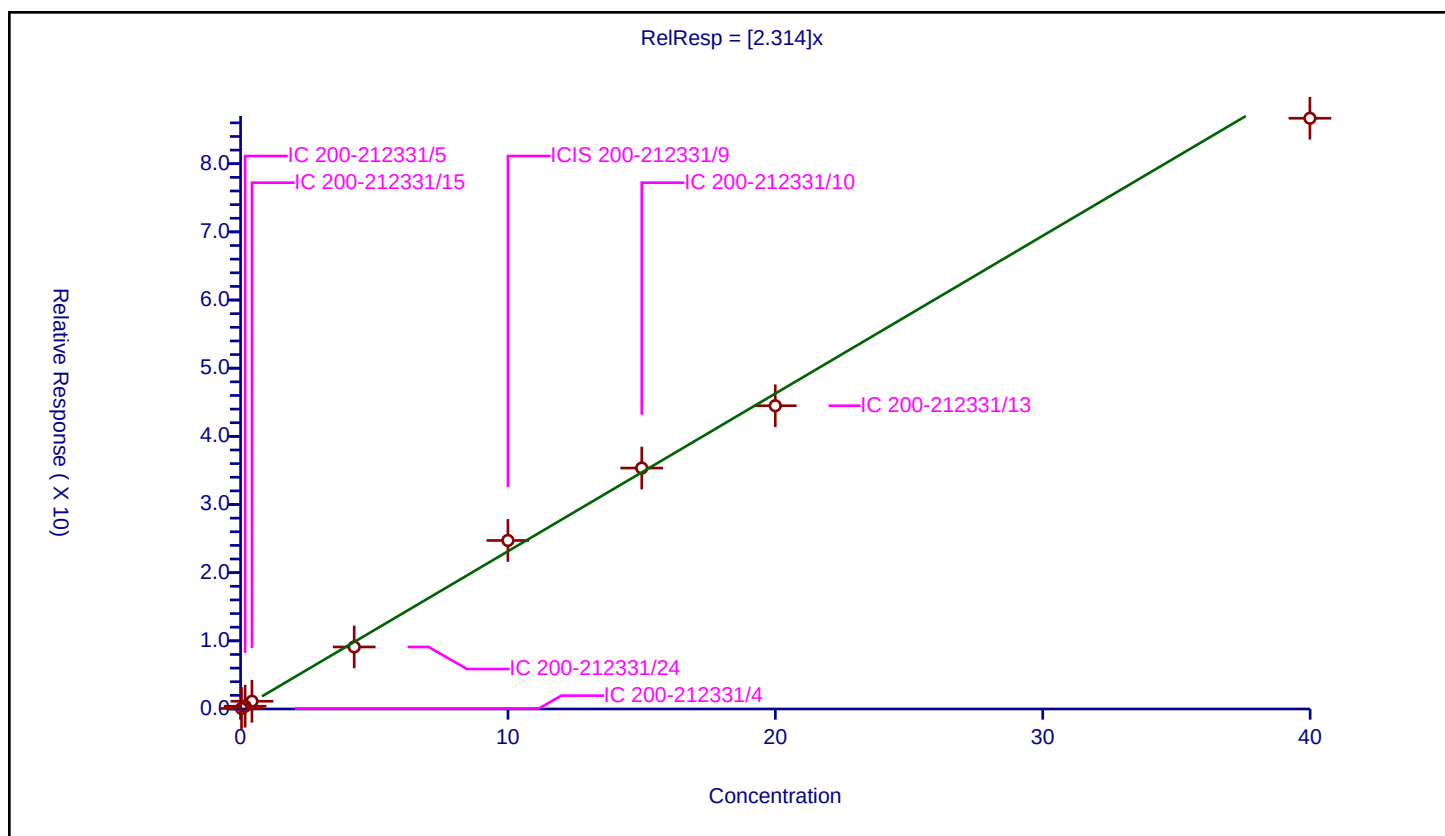
Curve Coefficients

Intercept: 0
Slope: 2.314

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.074135	10.0	263842.0	2.113505	Y
2	IC 200-212331/5	0.170374	0.40365	10.0	264908.0	2.369201	Y
3	IC 200-212331/15	0.425385	1.134457	10.0	306931.0	2.666896	Y
4	IC 200-212331/24	4.249175	9.102182	10.0	321613.0	2.142105	Y
5	ICIS 200-212331/9	9.99806	24.726449	10.0	253975.0	2.473125	Y
6	IC 200-212331/10	15.003557	35.348589	10.0	274607.0	2.356014	Y
7	IC 200-212331/13	19.99612	44.492541	10.0	294595.0	2.225059	Y
8	IC 200-212331/14	39.99224	86.670999	10.0	315485.0	2.167195	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

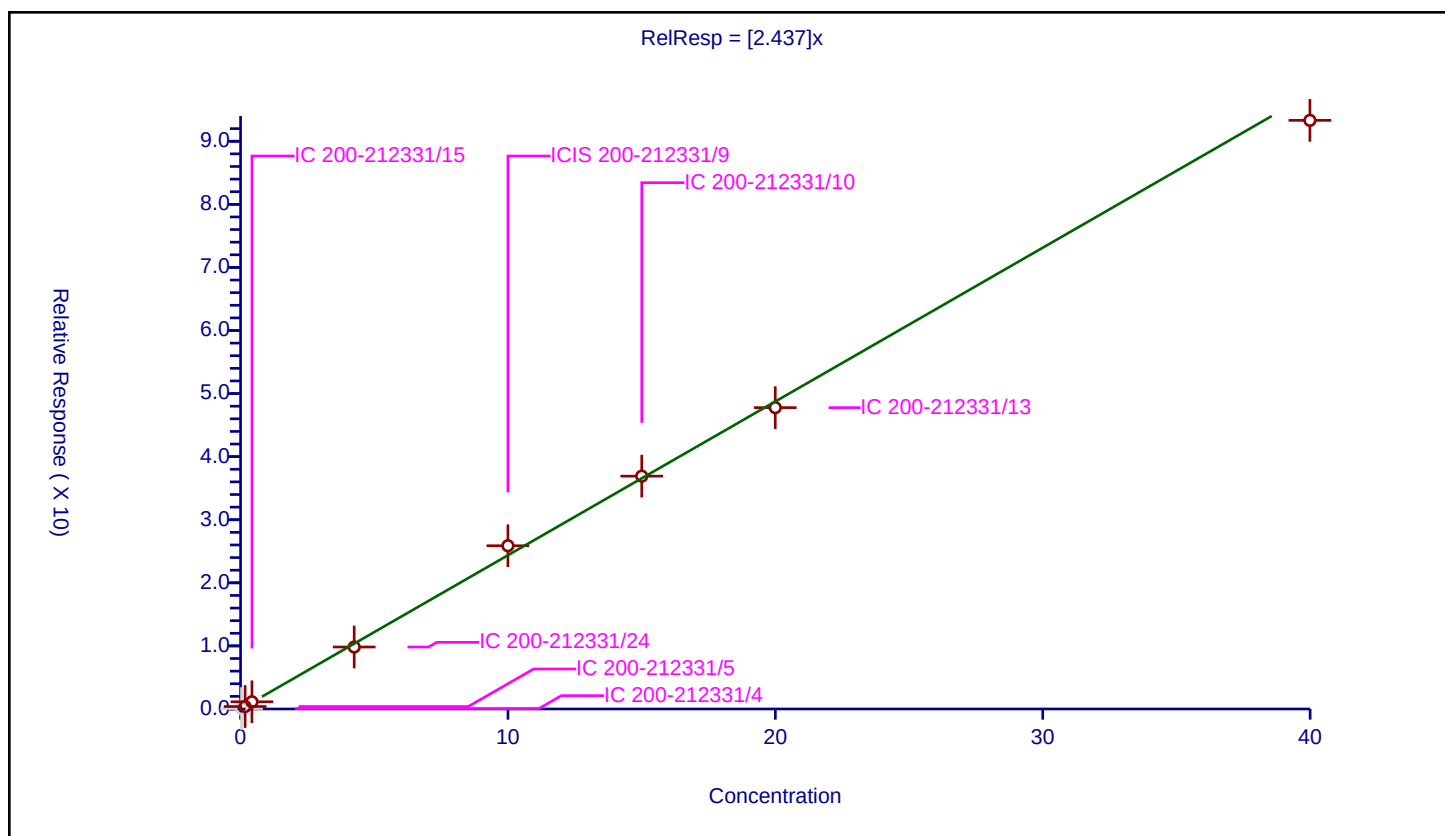
Curve Coefficients

Intercept: 0
Slope: 2.437

Error Coefficients

Relative Standard Deviation: 6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.070042	10.0	263842.0	1.996808	N
2	IC 200-212331/5	0.170374	0.391759	10.0	264908.0	2.299408	Y
3	IC 200-212331/15	0.425385	1.13954	10.0	306931.0	2.678845	Y
4	IC 200-212331/24	4.249175	9.828116	10.0	321613.0	2.312947	Y
5	ICIS 200-212331/9	9.99806	25.875539	10.0	253975.0	2.588056	Y
6	IC 200-212331/10	15.003557	36.909401	10.0	274607.0	2.460043	Y
7	IC 200-212331/13	19.99612	47.770431	10.0	294595.0	2.388985	Y
8	IC 200-212331/14	39.99224	93.309412	10.0	315485.0	2.333188	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

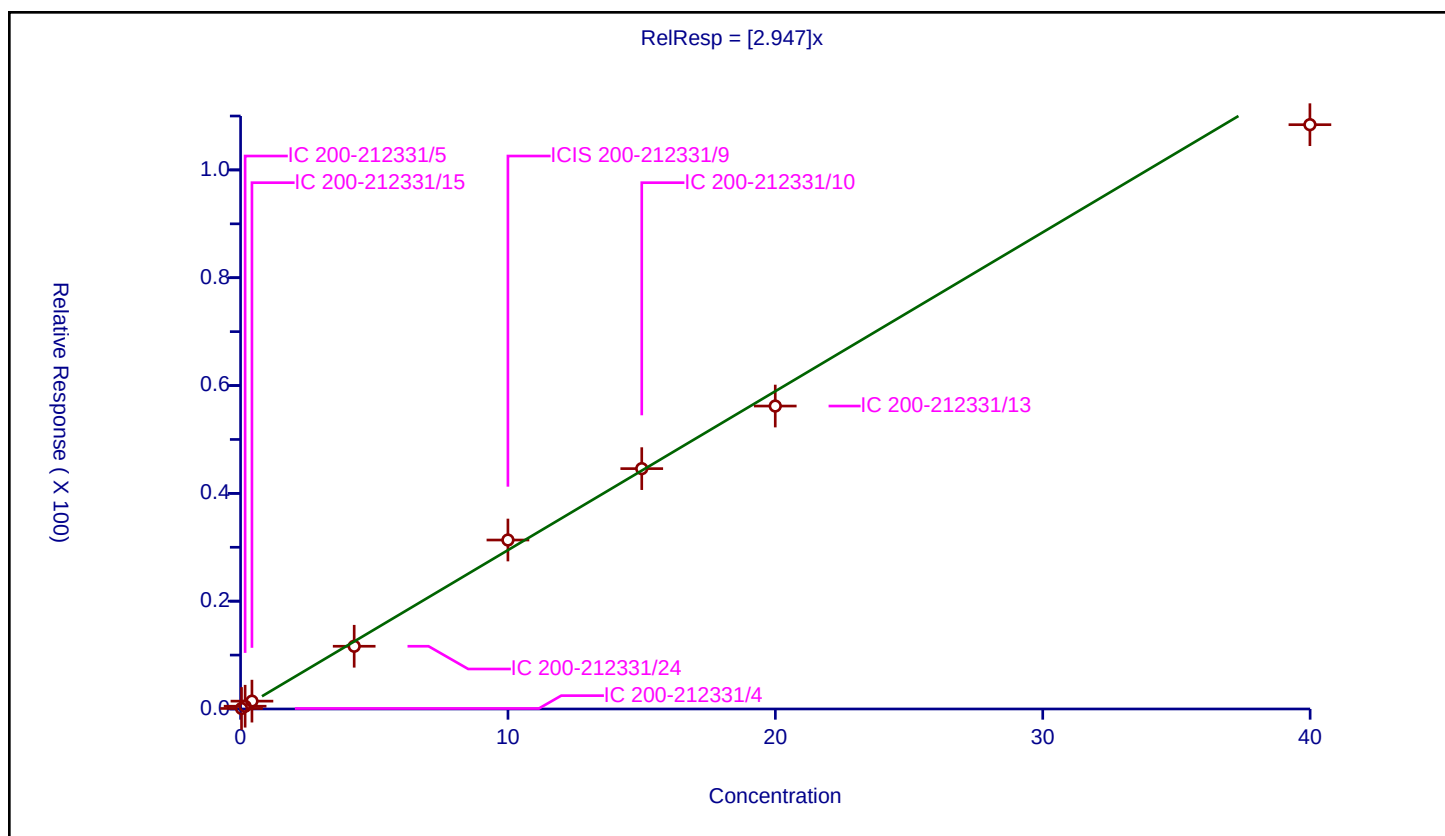
Curve Coefficients

Intercept: 0
Slope: 2.947

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.097786	10.0	263842.0	2.787751	Y
2	IC 200-212331/5	0.170374	0.511008	10.0	264908.0	2.999333	Y
3	IC 200-212331/15	0.425385	1.457298	10.0	306931.0	3.425836	Y
4	IC 200-212331/24	4.249175	11.63902	10.0	321613.0	2.739124	Y
5	ICIS 200-212331/9	9.99806	31.345211	10.0	253975.0	3.135129	Y
6	IC 200-212331/10	15.003557	44.587465	10.0	274607.0	2.971793	Y
7	IC 200-212331/13	19.99612	56.200207	10.0	294595.0	2.810556	Y
8	IC 200-212331/14	39.99224	108.39238	10.0	315485.0	2.710335	Y



Calibration

/ Vinyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

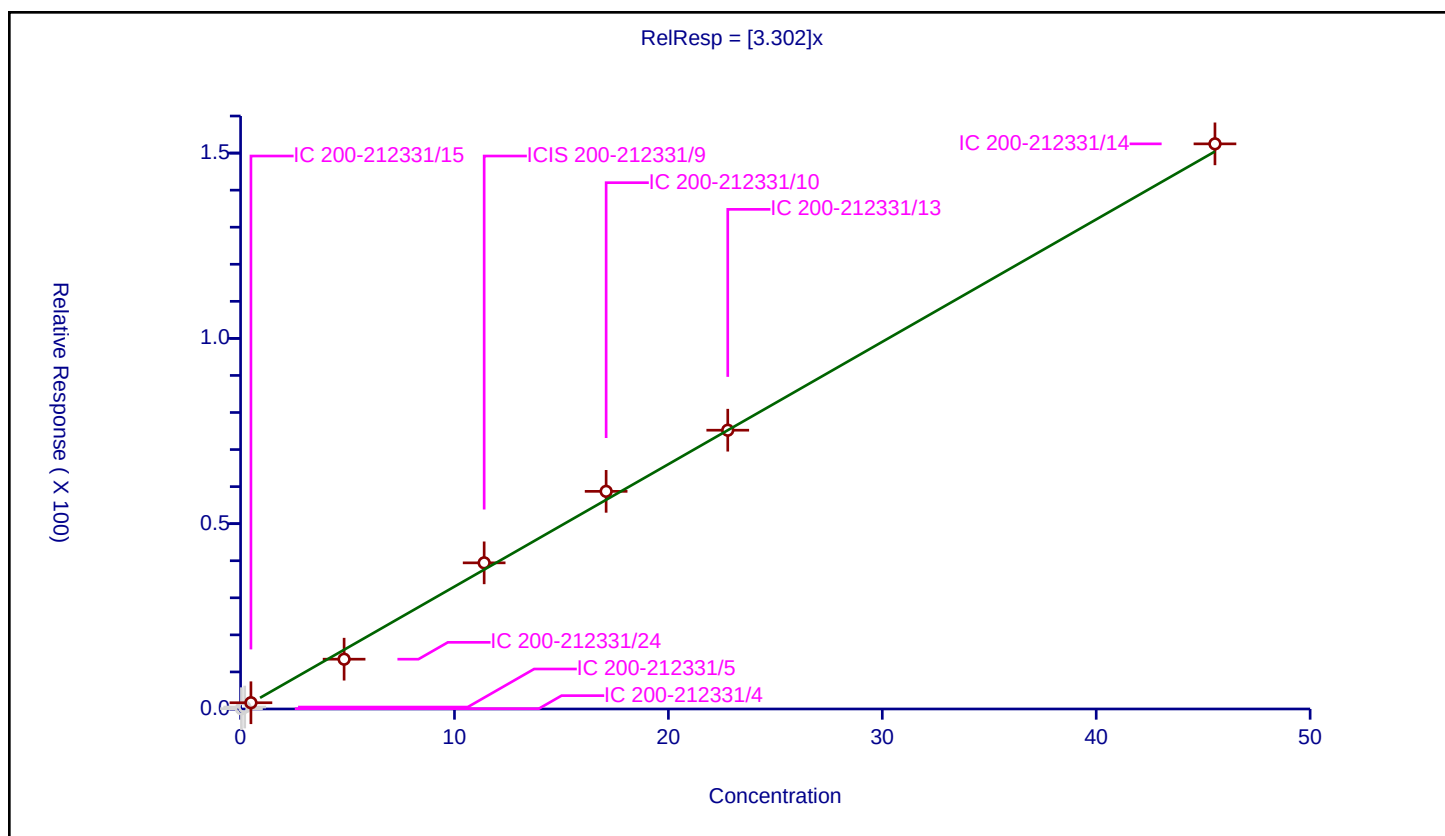
Curve Coefficients

Intercept: 0
Slope: 3.302

Error Coefficients

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.039953	0.085013	10.0	263842.0	2.127845	N
2	IC 200-212331/5	0.194056	0.524031	10.0	264908.0	2.700416	N
3	IC 200-212331/15	0.484513	1.690282	10.0	306931.0	3.48862	Y
4	IC 200-212331/24	4.839811	13.43562	10.0	321613.0	2.776063	Y
5	ICIS 200-212331/9	11.38779	39.434354	10.0	253975.0	3.462863	Y
6	IC 200-212331/10	17.089051	58.727236	10.0	274607.0	3.436542	Y
7	IC 200-212331/13	22.77558	75.226939	10.0	294595.0	3.302965	Y
8	IC 200-212331/14	45.551161	152.48912	10.0	315485.0	3.347645	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

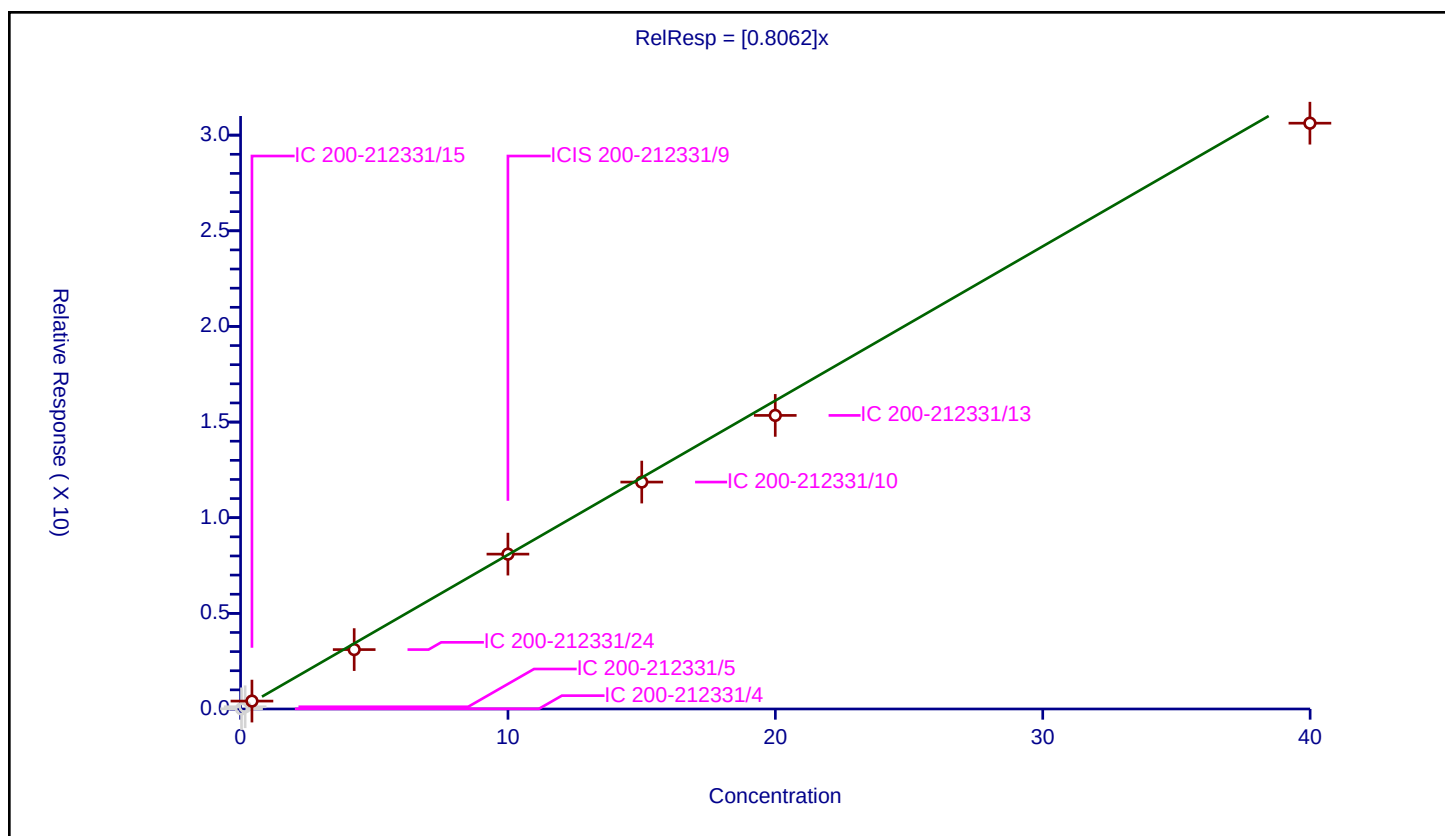
Curve Coefficients

Intercept: 0
Slope: 0.8062

Error Coefficients

Relative Standard Deviation: 10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.009703	10.0	263842.0	0.276614	N
2	IC 200-212331/5	0.170374	0.116267	10.0	264908.0	0.682422	N
3	IC 200-212331/15	0.425385	0.413741	10.0	306931.0	0.972628	Y
4	IC 200-212331/24	4.249175	3.105534	10.0	321613.0	0.730856	Y
5	ICIS 200-212331/9	9.99806	8.096624	10.0	253975.0	0.809819	Y
6	IC 200-212331/10	15.003557	11.863281	10.0	274607.0	0.790698	Y
7	IC 200-212331/13	19.99612	15.348054	10.0	294595.0	0.767552	Y
8	IC 200-212331/14	39.99224	30.625513	10.0	315485.0	0.765786	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

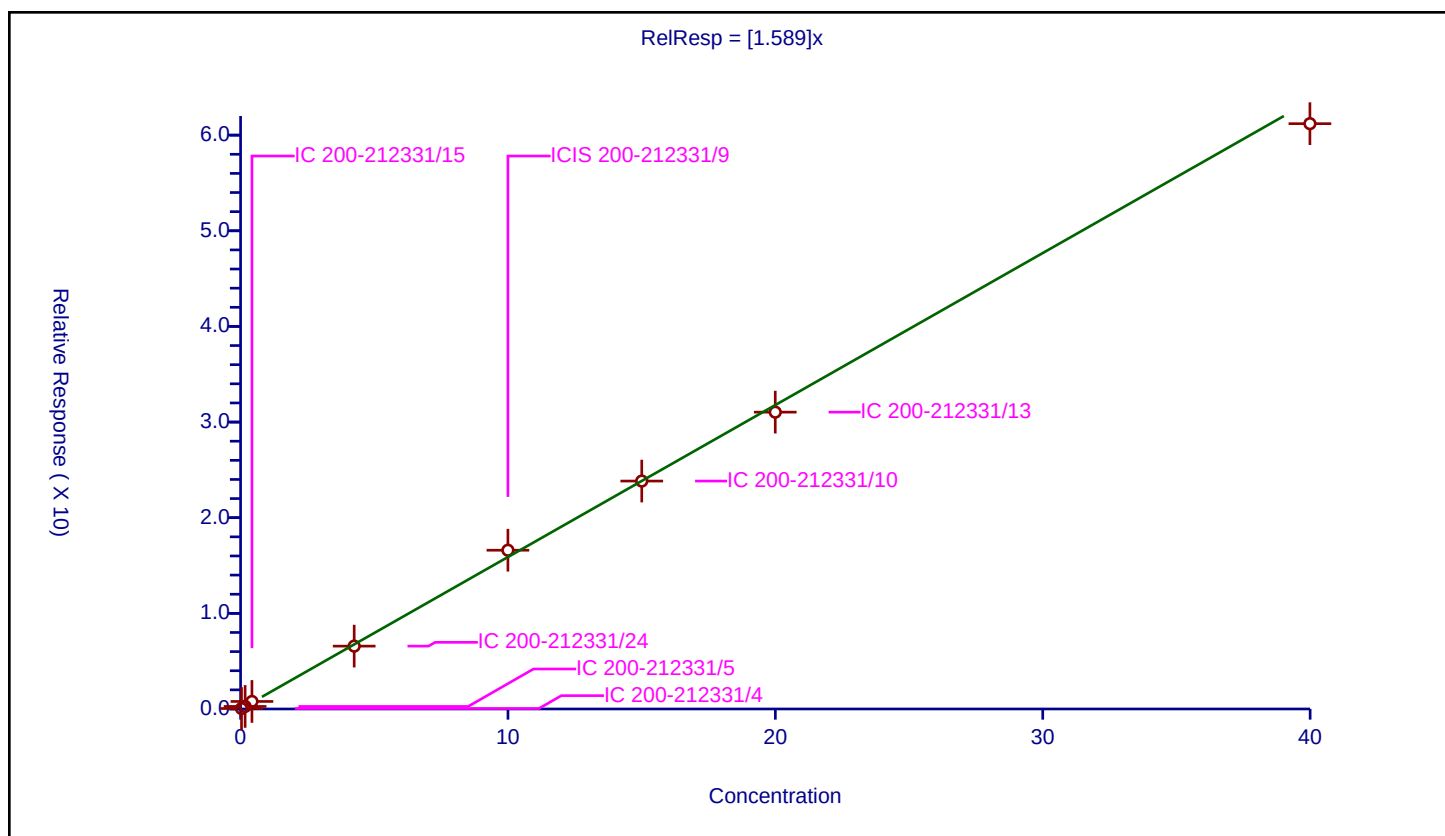
Curve Coefficients

Intercept: 0
Slope: 1.589

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.049499	10.0	263842.0	1.411164	Y
2	IC 200-212331/5	0.170374	0.267527	10.0	264908.0	1.570235	Y
3	IC 200-212331/15	0.425385	0.788223	10.0	306931.0	1.852965	Y
4	IC 200-212331/24	4.249175	6.57262	10.0	321613.0	1.546799	Y
5	ICIS 200-212331/9	9.99806	16.599035	10.0	253975.0	1.660226	Y
6	IC 200-212331/10	15.003557	23.832459	10.0	274607.0	1.588454	Y
7	IC 200-212331/13	19.99612	31.036813	10.0	294595.0	1.552142	Y
8	IC 200-212331/14	39.99224	61.200659	10.0	315485.0	1.530313	Y



Calibration

/ Ethyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

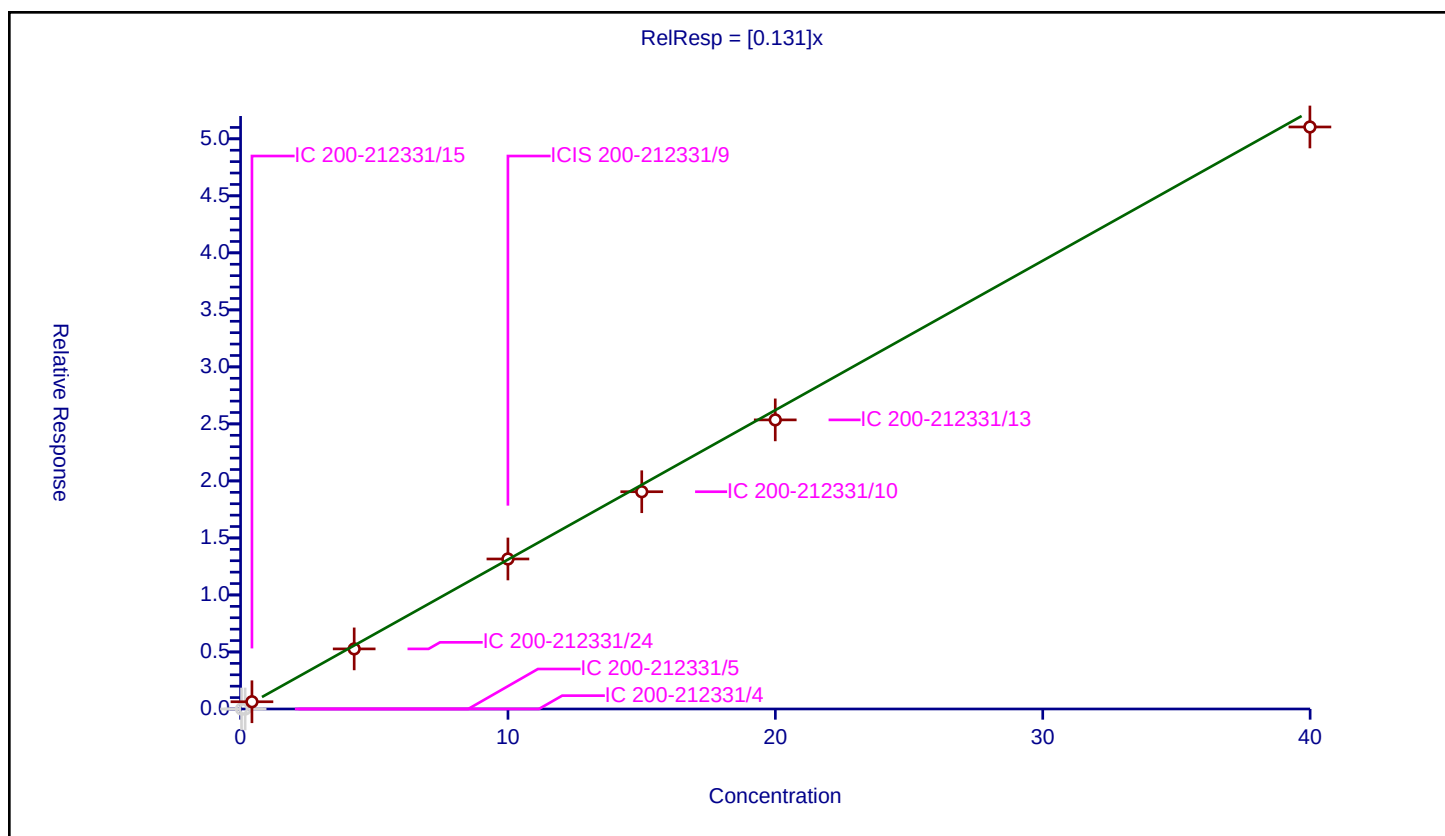
Curve Coefficients

Intercept: 0
Slope: 0.131

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.0	10.0	263842.0	0.0	N
2	IC 200-212331/5	0.170374	0.0	10.0	264908.0	0.0	N
3	IC 200-212331/15	0.425385	0.0635	10.0	306931.0	0.149276	Y
4	IC 200-212331/24	4.249175	0.526907	10.0	321613.0	0.124002	Y
5	ICIS 200-212331/9	9.99806	1.315444	10.0	253975.0	0.13157	Y
6	IC 200-212331/10	15.003557	1.905305	10.0	274607.0	0.12699	Y
7	IC 200-212331/13	19.99612	2.535345	10.0	294595.0	0.126792	Y
8	IC 200-212331/14	39.99224	5.103824	10.0	315485.0	0.12762	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

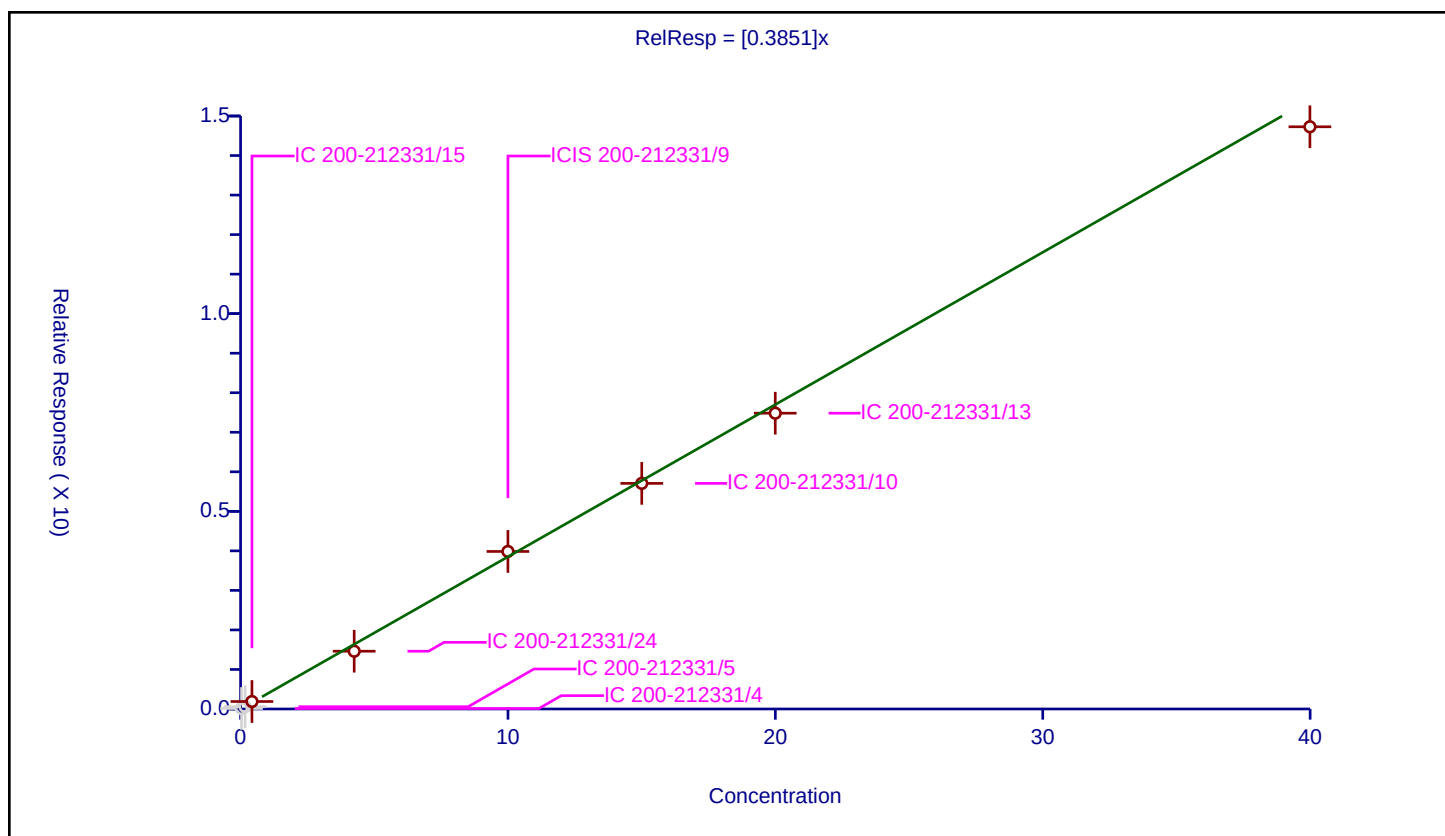
Curve Coefficients

Intercept: 0
Slope: 0.3851

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.012374	10.0	1238924.0	0.352757	N
2	IC 200-212331/5	0.170374	0.057421	10.0	1255105.0	0.337033	N
3	IC 200-212331/15	0.425385	0.189306	10.0	1483051.0	0.445022	Y
4	IC 200-212331/24	4.249175	1.461669	10.0	1557452.0	0.343989	Y
5	ICIS 200-212331/9	9.99806	3.98503	10.0	1234076.0	0.39858	Y
6	IC 200-212331/10	15.003557	5.707087	10.0	1316903.0	0.380382	Y
7	IC 200-212331/13	19.99612	7.482303	10.0	1405010.0	0.374188	Y
8	IC 200-212331/14	39.99224	14.727274	10.0	1488418.0	0.368253	Y



Calibration

/ Chloroform

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

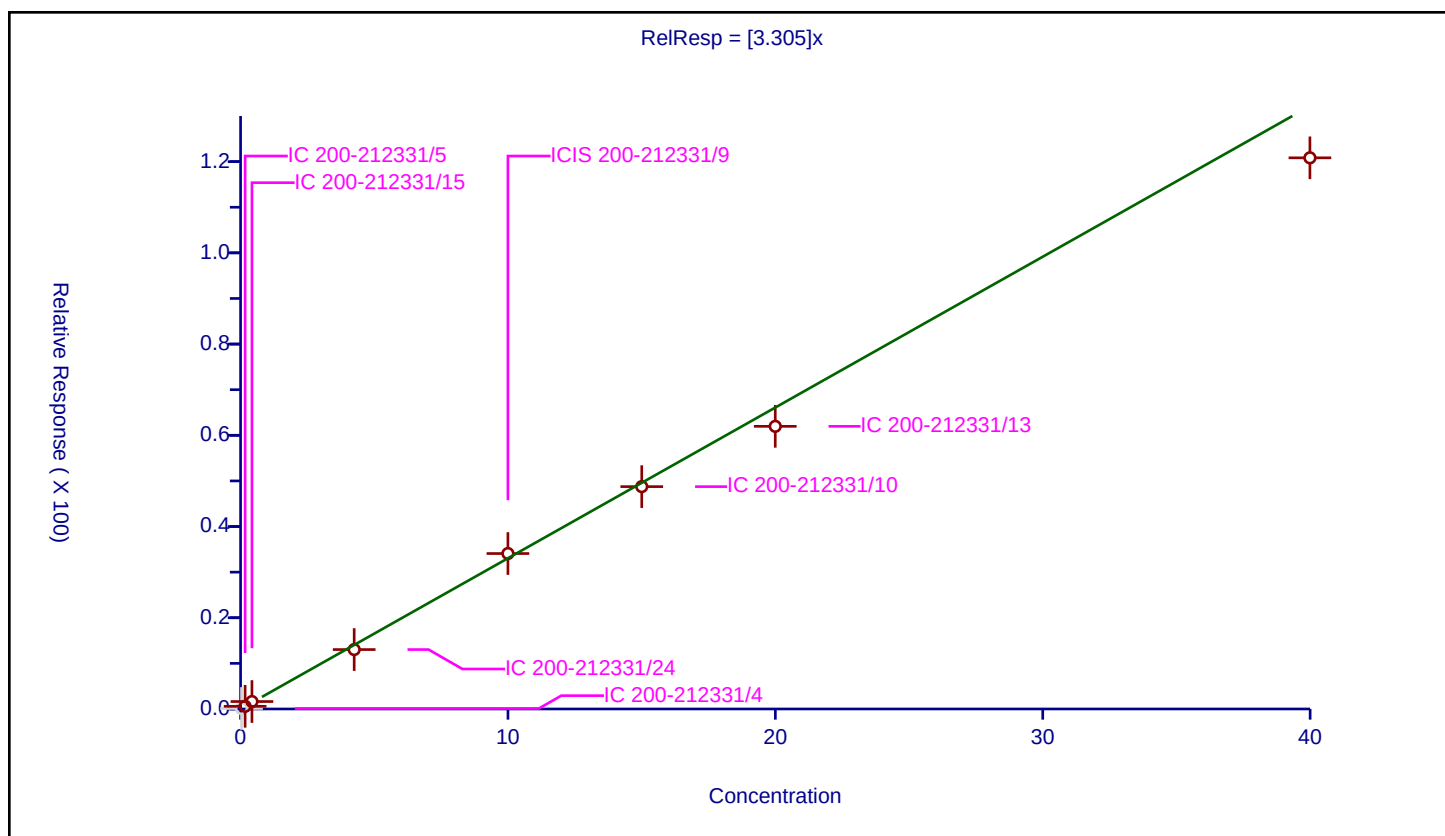
Curve Coefficients

Intercept: 0
 Slope: 3.305

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.11071	10.0	263842.0	3.15621	N
2	IC 200-212331/5	0.170374	0.587374	10.0	264908.0	3.447561	Y
3	IC 200-212331/15	0.425385	1.634504	10.0	306931.0	3.842414	Y
4	IC 200-212331/24	4.249175	13.028049	10.0	321613.0	3.066018	Y
5	ICIS 200-212331/9	9.99806	34.083079	10.0	253975.0	3.408969	Y
6	IC 200-212331/10	15.003557	48.749995	10.0	274607.0	3.249229	Y
7	IC 200-212331/13	19.99612	61.966462	10.0	294595.0	3.098924	Y
8	IC 200-212331/14	39.99224	120.831038	10.0	315485.0	3.021362	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

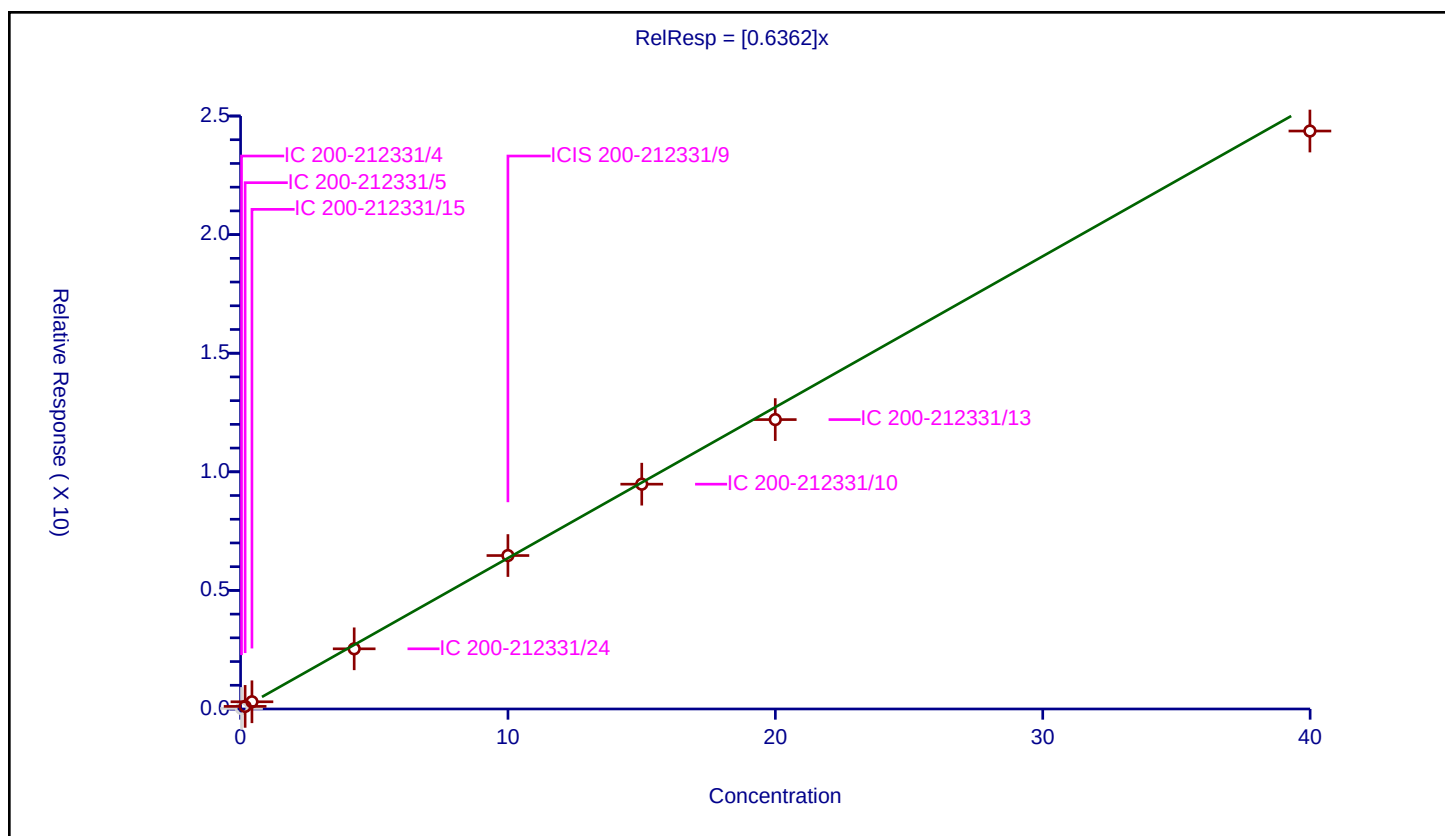
Curve Coefficients

Intercept: 0
Slope: 0.6362

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.022657	10.0	1238924.0	0.645916	N
2	IC 200-212331/5	0.170374	0.109561	10.0	1255105.0	0.64306	Y
3	IC 200-212331/15	0.425385	0.304305	10.0	1483051.0	0.715364	Y
4	IC 200-212331/24	4.249175	2.537105	10.0	1557452.0	0.597082	Y
5	ICIS 200-212331/9	9.99806	6.469326	10.0	1234076.0	0.647058	Y
6	IC 200-212331/10	15.003557	9.478382	10.0	1316903.0	0.631742	Y
7	IC 200-212331/13	19.99612	12.200746	10.0	1405010.0	0.610156	Y
8	IC 200-212331/14	39.99224	24.366724	10.0	1488418.0	0.609286	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

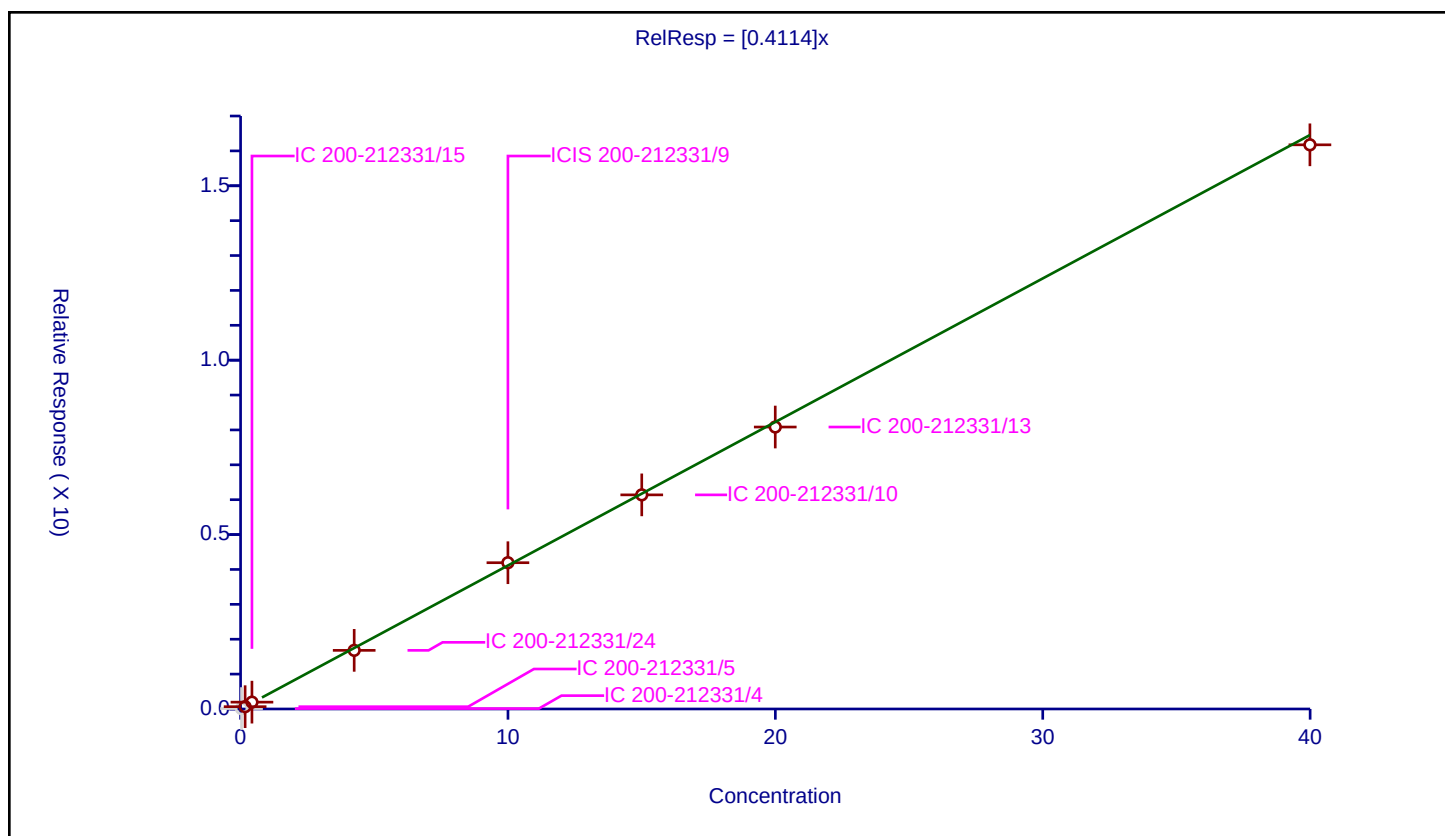
Curve Coefficients

Intercept: 0
Slope: 0.4114

Error Coefficients

Relative Standard Deviation: 5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.011623	10.0	1238924.0	0.331357	N
2	IC 200-212331/5	0.170374	0.065763	10.0	1255105.0	0.385995	Y
3	IC 200-212331/15	0.425385	0.196177	10.0	1483051.0	0.461175	Y
4	IC 200-212331/24	4.249175	1.680745	10.0	1557452.0	0.395546	Y
5	ICIS 200-212331/9	9.99806	4.193988	10.0	1234076.0	0.41948	Y
6	IC 200-212331/10	15.003557	6.138941	10.0	1316903.0	0.409166	Y
7	IC 200-212331/13	19.99612	8.083359	10.0	1405010.0	0.404246	Y
8	IC 200-212331/14	39.99224	16.174421	10.0	1488418.0	0.404439	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

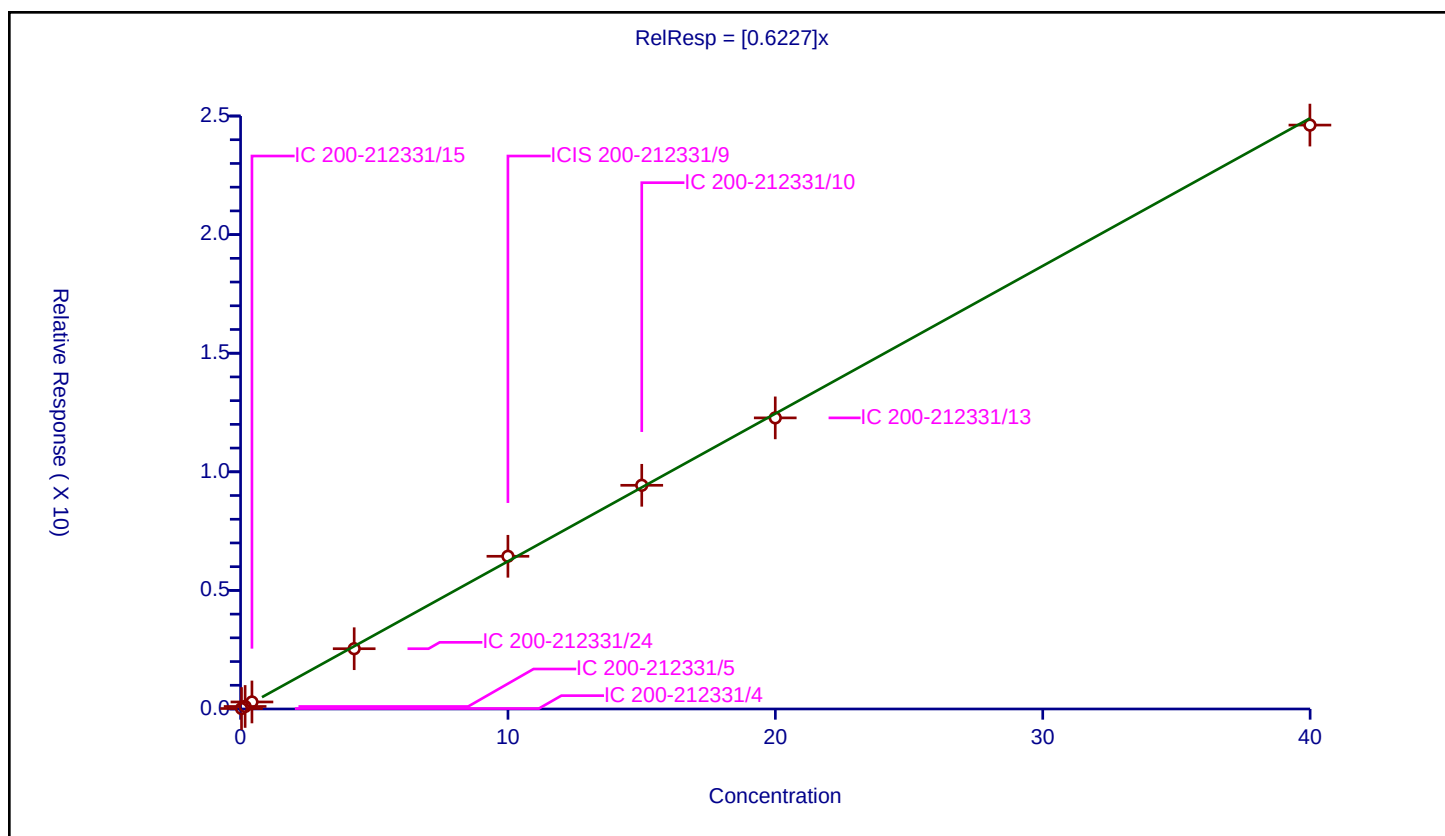
Curve Coefficients

Intercept: 0
Slope: 0.6227

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.019791	10.0	1238924.0	0.564227	Y
2	IC 200-212331/5	0.170374	0.105872	10.0	1255105.0	0.621408	Y
3	IC 200-212331/15	0.425385	0.295957	10.0	1483051.0	0.695741	Y
4	IC 200-212331/24	4.249175	2.541619	10.0	1557452.0	0.598144	Y
5	ICIS 200-212331/9	9.99806	6.438161	10.0	1234076.0	0.643941	Y
6	IC 200-212331/10	15.003557	9.43134	10.0	1316903.0	0.628607	Y
7	IC 200-212331/13	19.99612	12.272866	10.0	1405010.0	0.613762	Y
8	IC 200-212331/14	39.99224	24.617688	10.0	1488418.0	0.615562	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

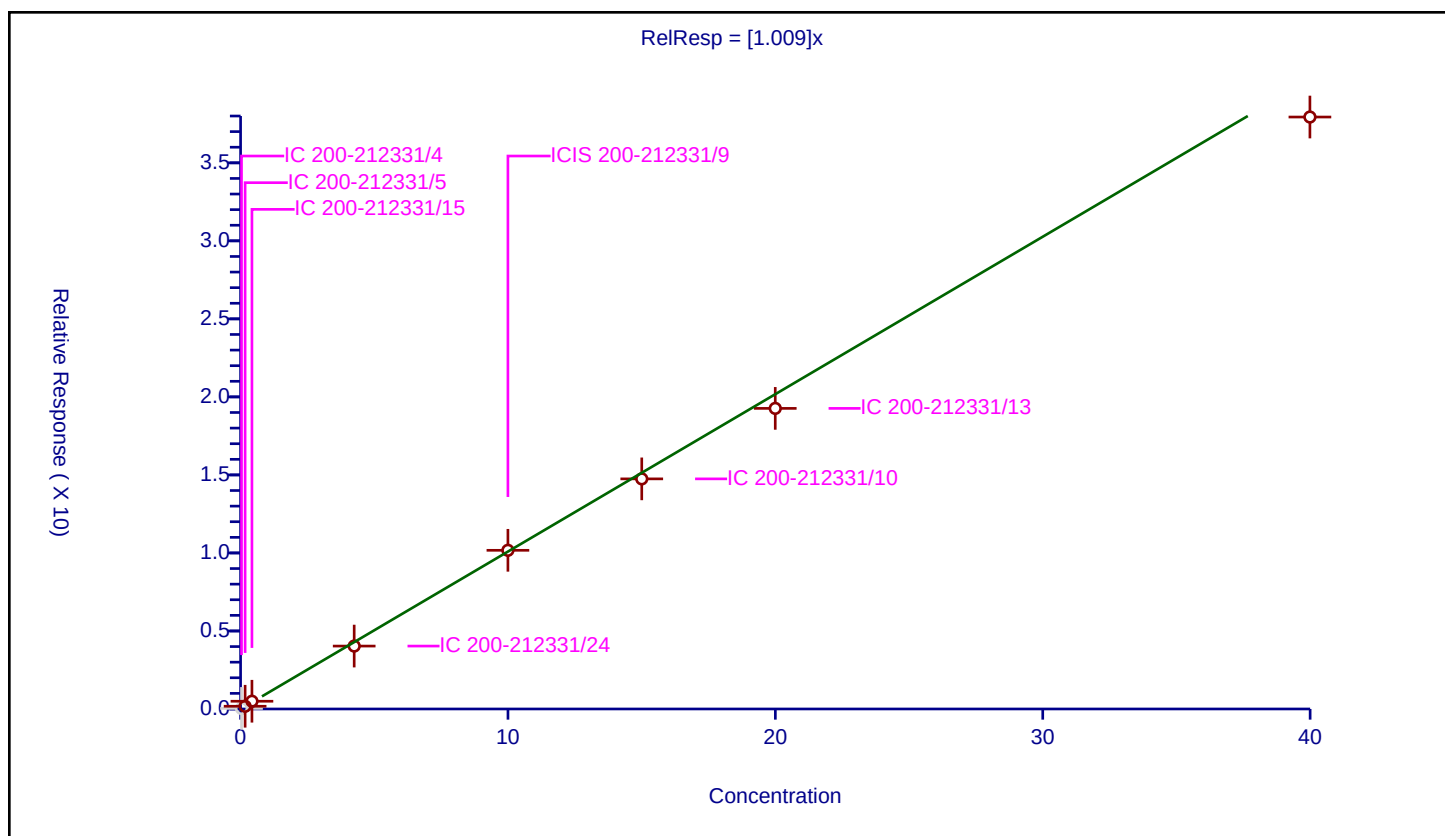
Curve Coefficients

Intercept: 0
Slope: 1.009

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.036984	10.0	1238924.0	1.054359	N
2	IC 200-212331/5	0.170374	0.175937	10.0	1255105.0	1.032656	Y
3	IC 200-212331/15	0.425385	0.4968	10.0	1483051.0	1.167884	Y
4	IC 200-212331/24	4.249175	4.032471	10.0	1557452.0	0.949001	Y
5	ICIS 200-212331/9	9.99806	10.169325	10.0	1234076.0	1.01713	Y
6	IC 200-212331/10	15.003557	14.747373	10.0	1316903.0	0.982925	Y
7	IC 200-212331/13	19.99612	19.263229	10.0	1405010.0	0.963348	Y
8	IC 200-212331/14	39.99224	37.935667	10.0	1488418.0	0.948576	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

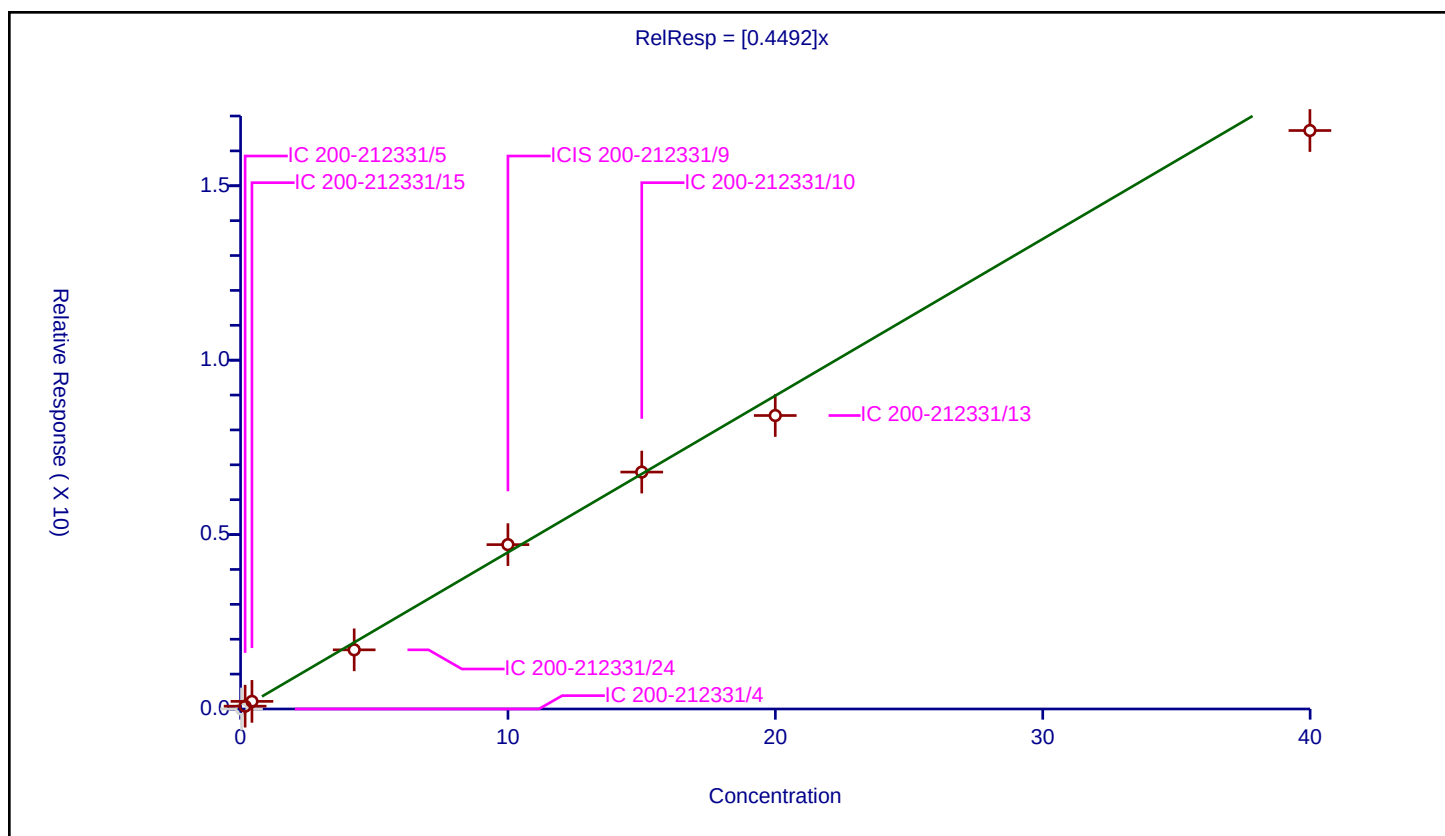
Curve Coefficients

Intercept: 0
Slope: 0.4492

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.0	10.0	1238924.0	0.0	N
2	IC 200-212331/5	0.170374	0.080368	10.0	1255105.0	0.471715	Y
3	IC 200-212331/15	0.425385	0.21859	10.0	1483051.0	0.513864	Y
4	IC 200-212331/24	4.249175	1.69575	10.0	1557452.0	0.399078	Y
5	ICIS 200-212331/9	9.99806	4.711841	10.0	1234076.0	0.471276	Y
6	IC 200-212331/10	15.003557	6.79252	10.0	1316903.0	0.452727	Y
7	IC 200-212331/13	19.99612	8.413691	10.0	1405010.0	0.420766	Y
8	IC 200-212331/14	39.99224	16.583836	10.0	1488418.0	0.414676	Y



Calibration

/ Isooctane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

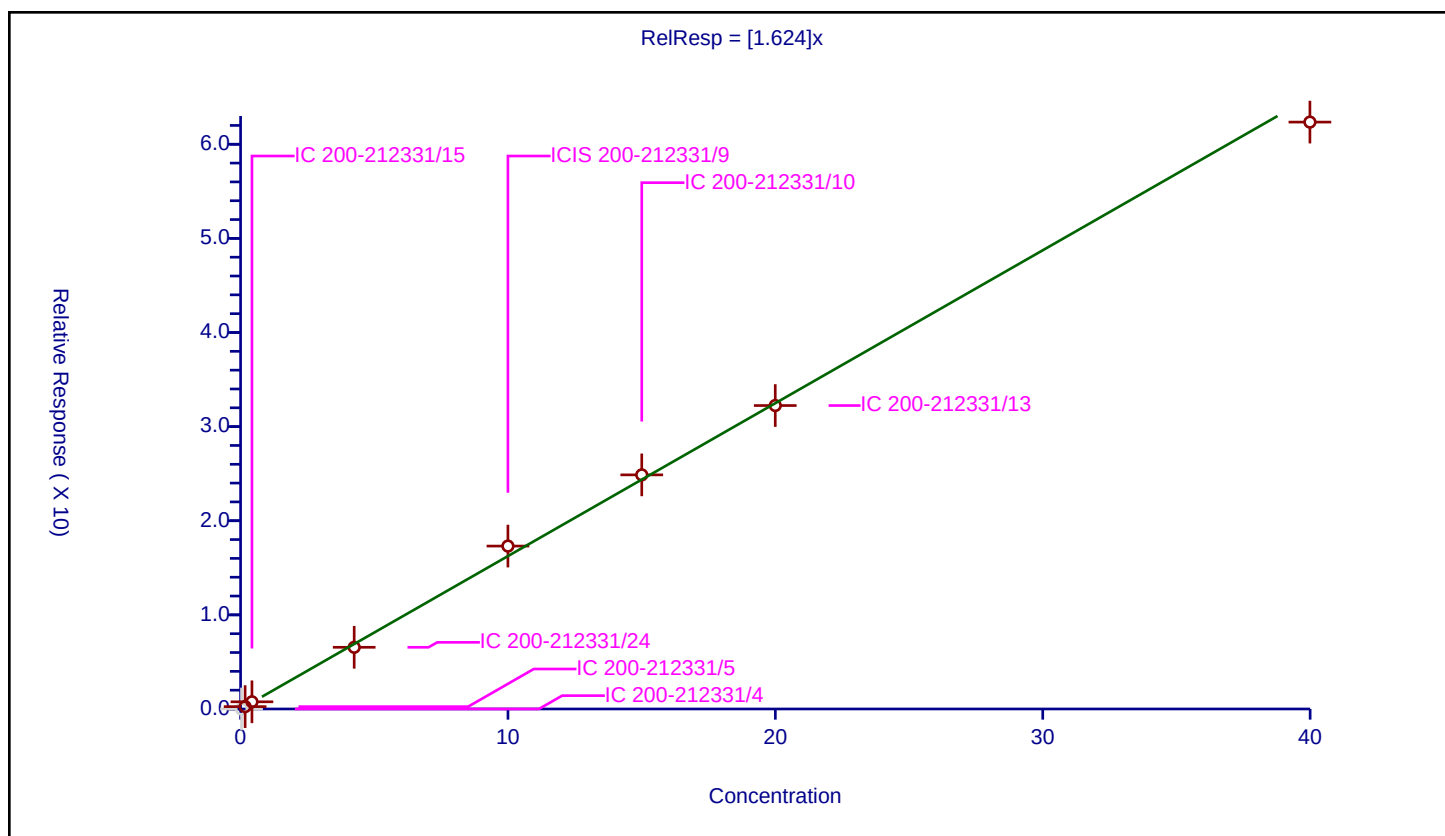
Curve Coefficients

Intercept: 0
Slope: 1.624

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.0	10.0	1238924.0	0.0	N
2	IC 200-212331/5	0.170374	0.250887	10.0	1255105.0	1.472571	Y
3	IC 200-212331/15	0.425385	0.763993	10.0	1483051.0	1.796004	Y
4	IC 200-212331/24	4.249175	6.553557	10.0	1557452.0	1.542313	Y
5	ICIS 200-212331/9	9.99806	17.308885	10.0	1234076.0	1.731224	Y
6	IC 200-212331/10	15.003557	24.873738	10.0	1316903.0	1.657856	Y
7	IC 200-212331/13	19.99612	32.241187	10.0	1405010.0	1.612372	Y
8	IC 200-212331/14	39.99224	62.353902	10.0	1488418.0	1.55915	Y



Calibration

/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

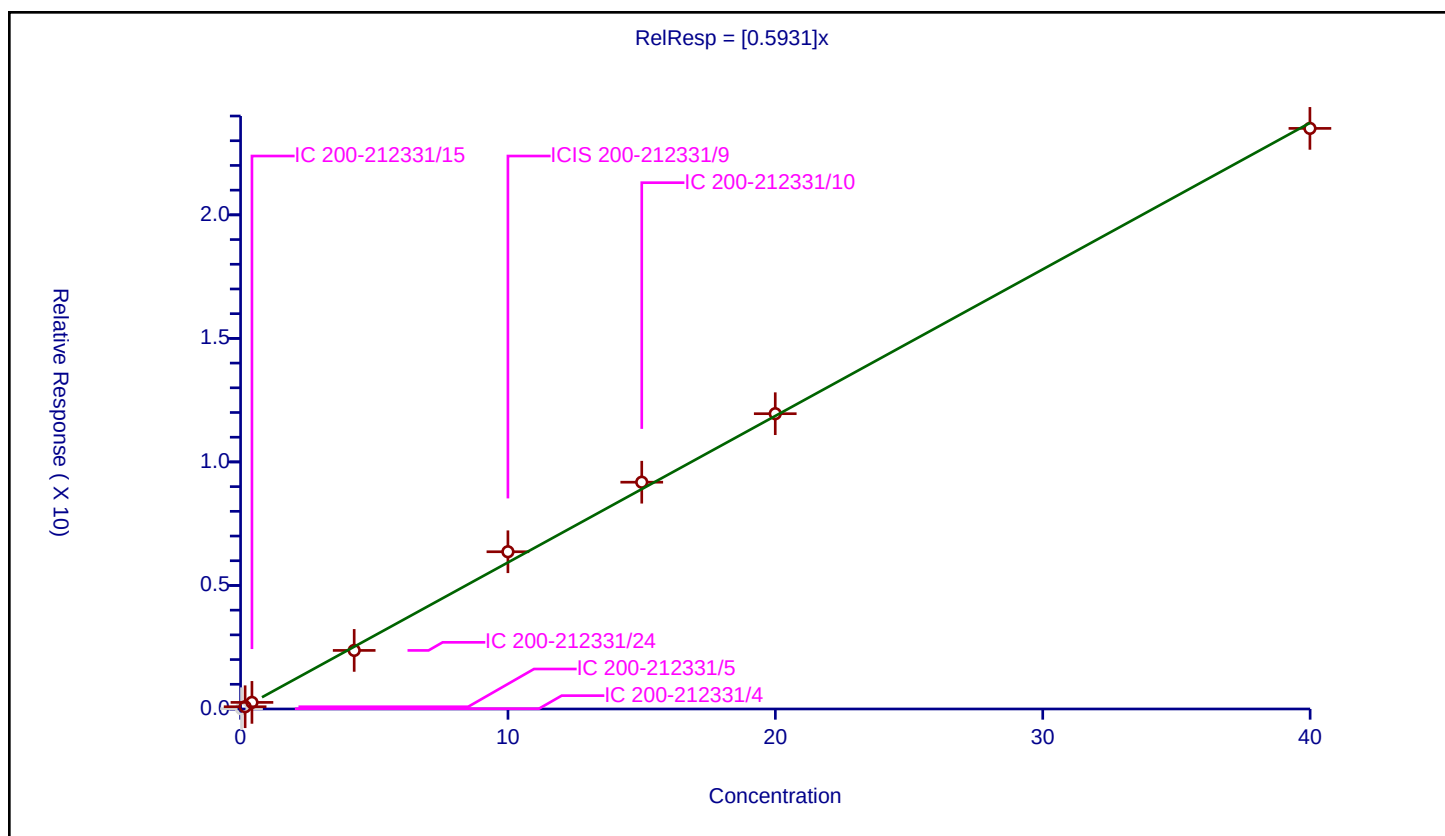
Curve Coefficients

Intercept: 0
Slope: 0.5931

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.011849	10.0	1238924.0	0.3378	N
2	IC 200-212331/5	0.170374	0.090662	10.0	1255105.0	0.532135	Y
3	IC 200-212331/15	0.425385	0.267273	10.0	1483051.0	0.62831	Y
4	IC 200-212331/24	4.249175	2.370731	10.0	1557452.0	0.557927	Y
5	ICIS 200-212331/9	9.99806	6.364122	10.0	1234076.0	0.636536	Y
6	IC 200-212331/10	15.003557	9.178983	10.0	1316903.0	0.611787	Y
7	IC 200-212331/13	19.99612	11.951566	10.0	1405010.0	0.597694	Y
8	IC 200-212331/14	39.99224	23.498889	10.0	1488418.0	0.587586	Y



Calibration

/ n-Butanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

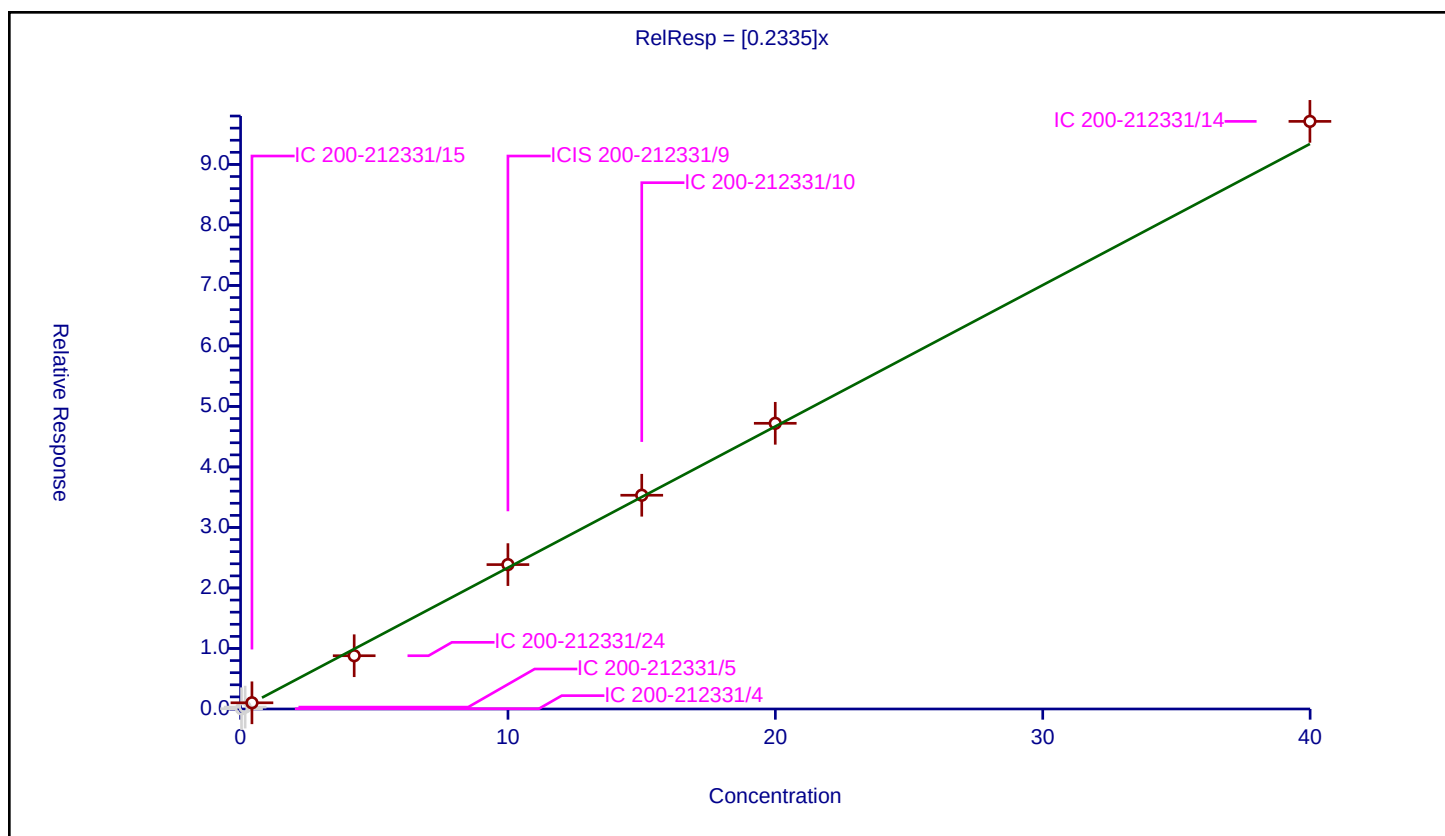
Curve Coefficients

Intercept: 0
 Slope: 0.2335

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.004278	10.0	1238924.0	0.121958	N
2	IC 200-212331/5	0.170374	0.031129	10.0	1255105.0	0.182709	N
3	IC 200-212331/15	0.425385	0.102404	10.0	1483051.0	0.240732	Y
4	IC 200-212331/24	4.249175	0.880547	10.0	1557452.0	0.207228	Y
5	ICIS 200-212331/9	9.99806	2.386433	10.0	1234076.0	0.23869	Y
6	IC 200-212331/10	15.003557	3.532766	10.0	1316903.0	0.235462	Y
7	IC 200-212331/13	19.99612	4.721397	10.0	1405010.0	0.236116	Y
8	IC 200-212331/14	39.99224	9.711452	10.0	1488418.0	0.242833	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

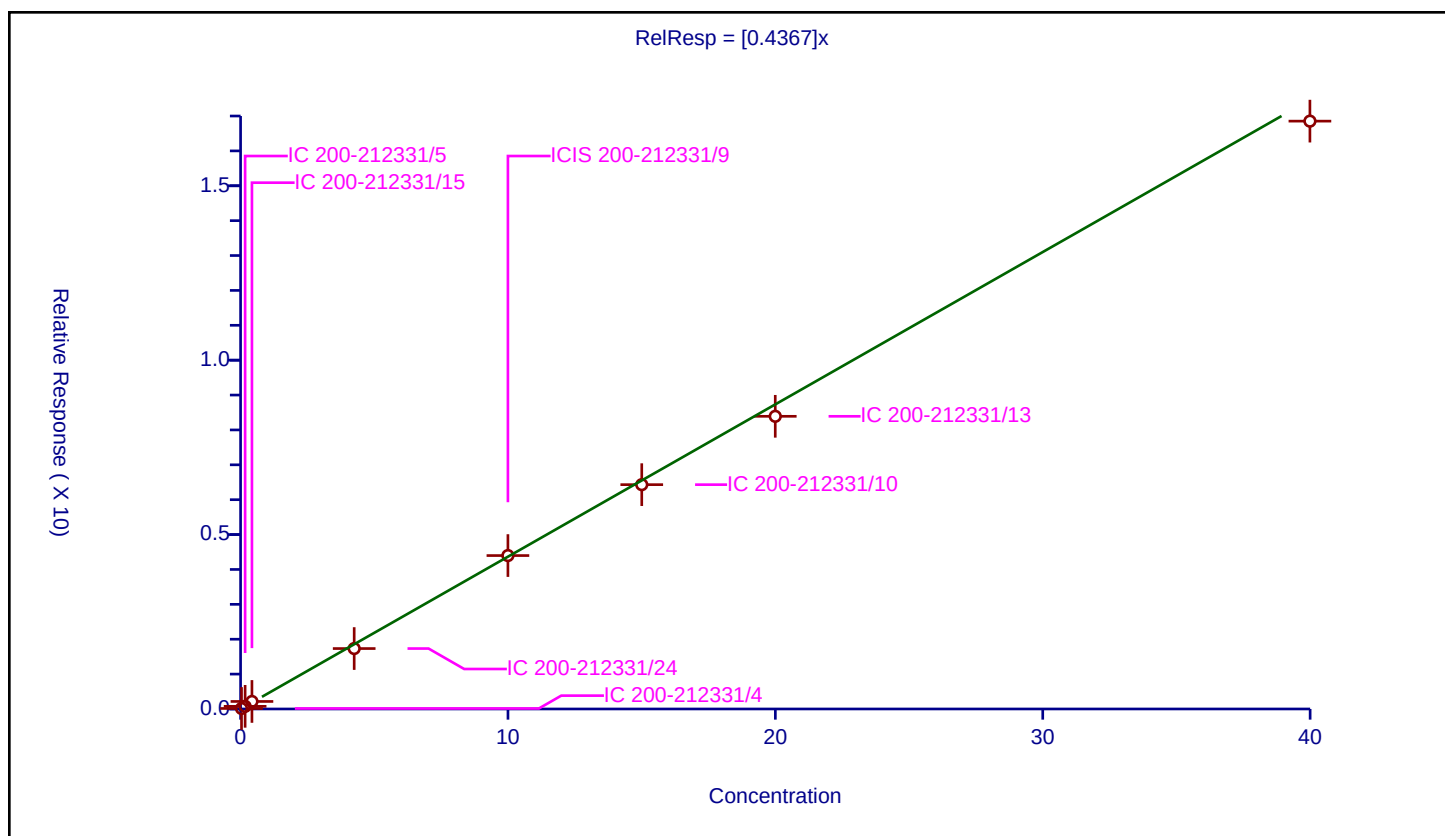
Curve Coefficients

Intercept: 0
Slope: 0.4367

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.014747	10.0	1238924.0	0.420409	Y
2	IC 200-212331/5	0.170374	0.07628	10.0	1255105.0	0.447724	Y
3	IC 200-212331/15	0.425385	0.215994	10.0	1483051.0	0.507761	Y
4	IC 200-212331/24	4.249175	1.73292	10.0	1557452.0	0.407825	Y
5	ICIS 200-212331/9	9.99806	4.398408	10.0	1234076.0	0.439926	Y
6	IC 200-212331/10	15.003557	6.431058	10.0	1316903.0	0.428636	Y
7	IC 200-212331/13	19.99612	8.390673	10.0	1405010.0	0.419615	Y
8	IC 200-212331/14	39.99224	16.852846	10.0	1488418.0	0.421403	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

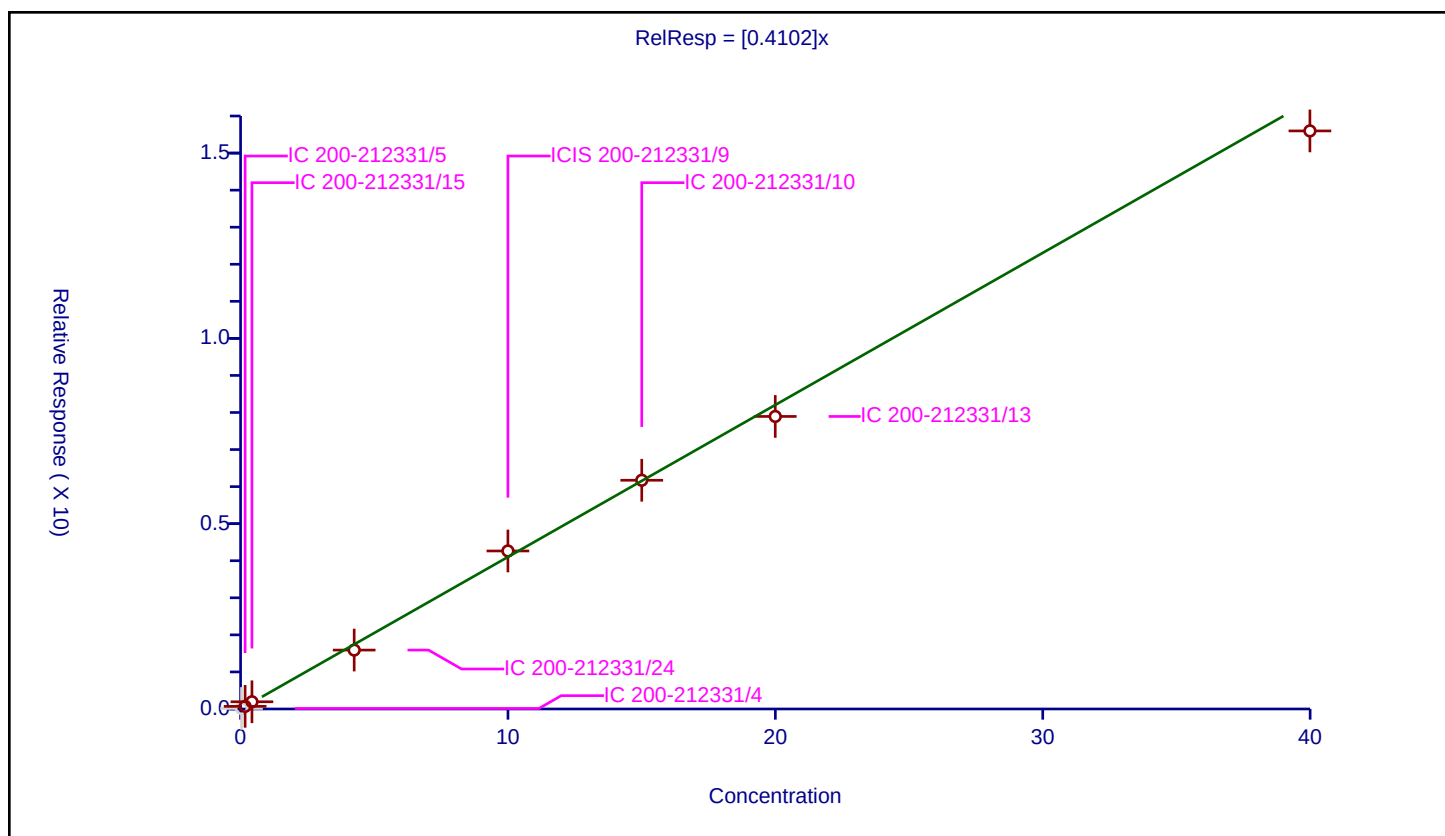
Curve Coefficients

Intercept: 0
Slope: 0.4102

Error Coefficients

Relative Standard Deviation: 6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.014053	10.0	1238924.0	0.40062	N
2	IC 200-212331/5	0.170374	0.071006	10.0	1255105.0	0.416766	Y
3	IC 200-212331/15	0.425385	0.194828	10.0	1483051.0	0.458004	Y
4	IC 200-212331/24	4.249175	1.590091	10.0	1557452.0	0.374212	Y
5	ICIS 200-212331/9	9.99806	4.263603	10.0	1234076.0	0.426443	Y
6	IC 200-212331/10	15.003557	6.171563	10.0	1316903.0	0.41134	Y
7	IC 200-212331/13	19.99612	7.893552	10.0	1405010.0	0.394754	Y
8	IC 200-212331/14	39.99224	15.597776	10.0	1488418.0	0.39002	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

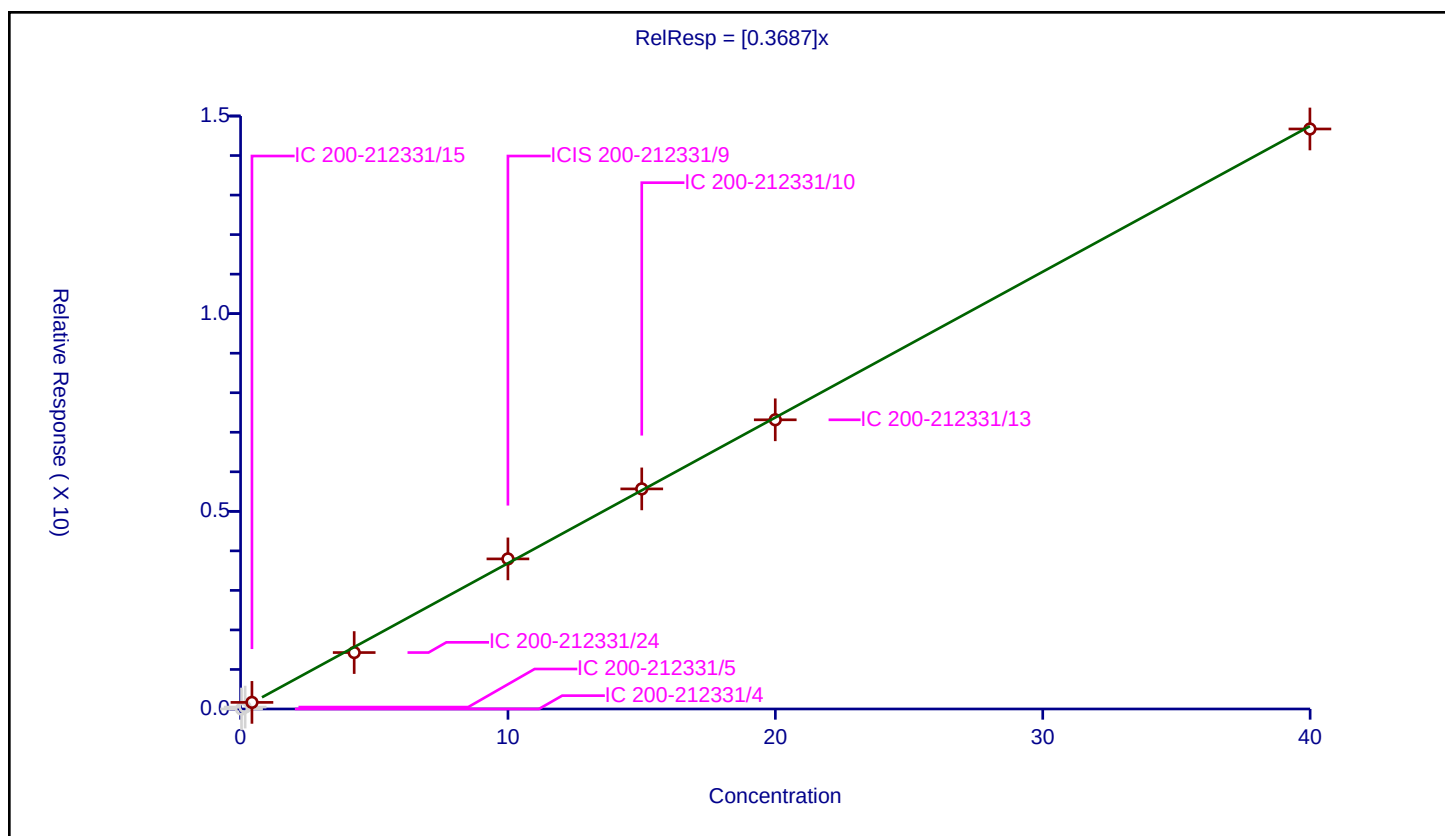
Curve Coefficients

Intercept: 0
Slope: 0.3687

Error Coefficients

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.0	10.0	1238924.0	0.0	N
2	IC 200-212331/5	0.170374	0.04794	10.0	1255105.0	0.281383	N
3	IC 200-212331/15	0.425385	0.166953	10.0	1483051.0	0.392476	Y
4	IC 200-212331/24	4.249175	1.427697	10.0	1557452.0	0.335994	Y
5	ICIS 200-212331/9	9.99806	3.796695	10.0	1234076.0	0.379743	Y
6	IC 200-212331/10	15.003557	5.567517	10.0	1316903.0	0.37108	Y
7	IC 200-212331/13	19.99612	7.315414	10.0	1405010.0	0.365842	Y
8	IC 200-212331/14	39.99224	14.672478	10.0	1488418.0	0.366883	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

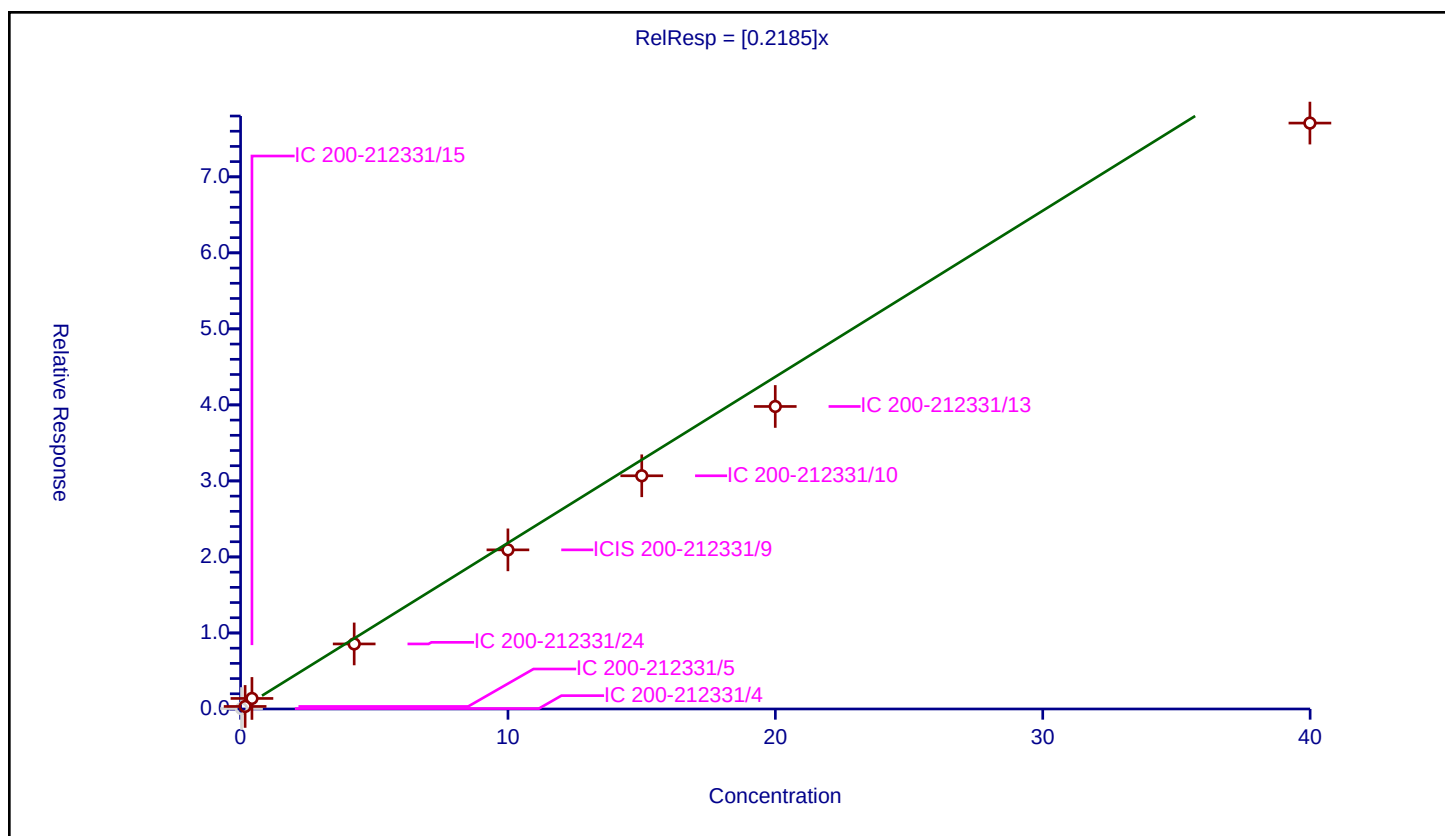
Curve Coefficients

Intercept: 0
Slope: 0.2185

Error Coefficients

Relative Standard Deviation: 21.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.005715	10.0	1238924.0	0.162917	N
2	IC 200-212331/5	0.170374	0.033423	10.0	1255105.0	0.196178	Y
3	IC 200-212331/15	0.425385	0.138788	10.0	1483051.0	0.326265	Y
4	IC 200-212331/24	4.249175	0.855596	10.0	1557452.0	0.201356	Y
5	ICIS 200-212331/9	9.99806	2.093258	10.0	1234076.0	0.209366	Y
6	IC 200-212331/10	15.003557	3.067781	10.0	1316903.0	0.20447	Y
7	IC 200-212331/13	19.99612	3.97936	10.0	1405010.0	0.199007	Y
8	IC 200-212331/14	39.99224	7.707116	10.0	1488418.0	0.192715	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

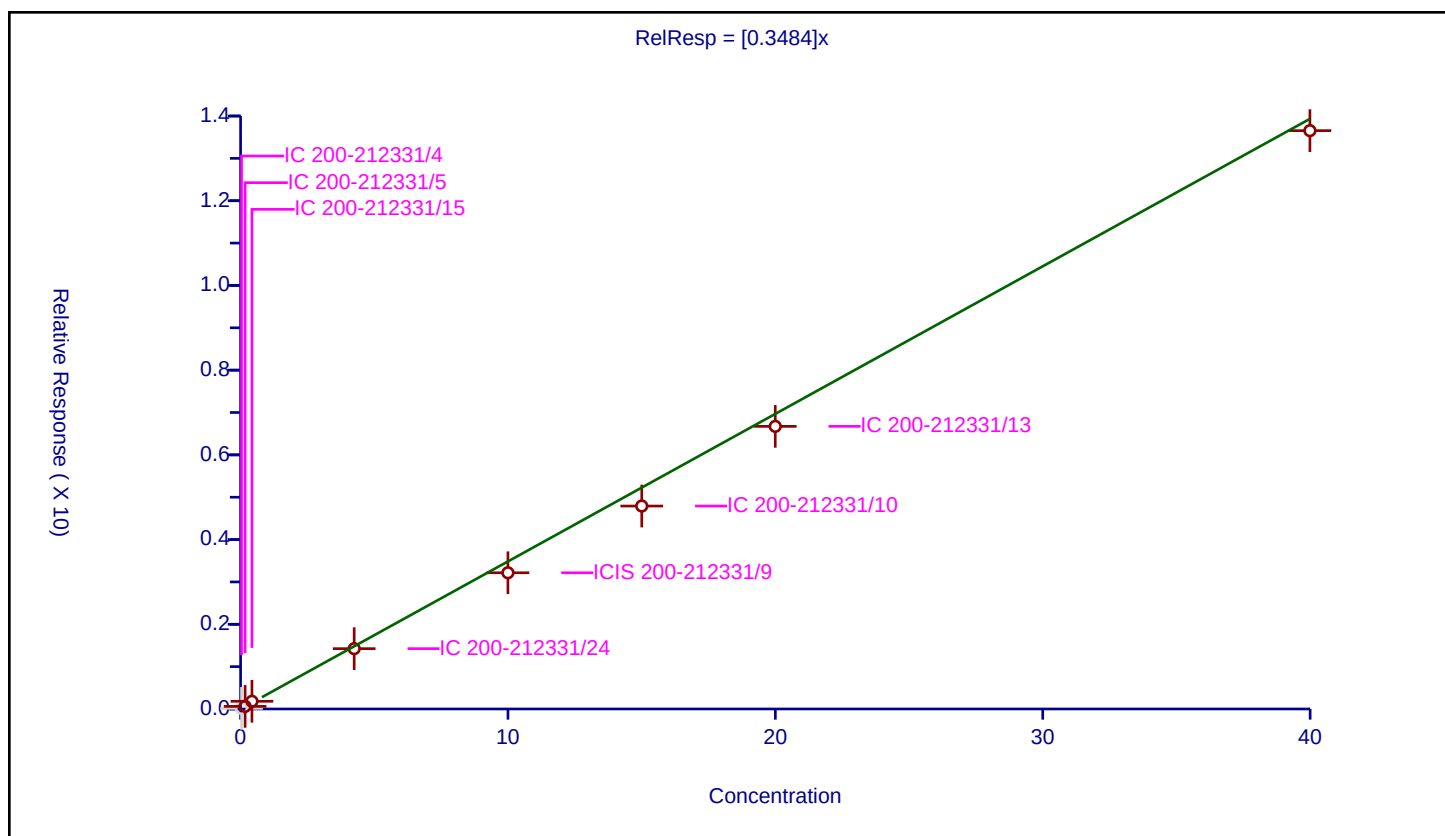
Curve Coefficients

Intercept: 0
Slope: 0.3484

Error Coefficients

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.014416	10.0	1238924.0	0.410975	N
2	IC 200-212331/5	0.170374	0.061413	10.0	1255105.0	0.360462	Y
3	IC 200-212331/15	0.425385	0.181578	10.0	1483051.0	0.426857	Y
4	IC 200-212331/24	4.249175	1.424326	10.0	1557452.0	0.335201	Y
5	ICIS 200-212331/9	9.99806	3.216415	10.0	1234076.0	0.321704	Y
6	IC 200-212331/10	15.003557	4.791818	10.0	1316903.0	0.319379	Y
7	IC 200-212331/13	19.99612	6.672799	10.0	1405010.0	0.333705	Y
8	IC 200-212331/14	39.99224	13.654215	10.0	1488418.0	0.341422	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

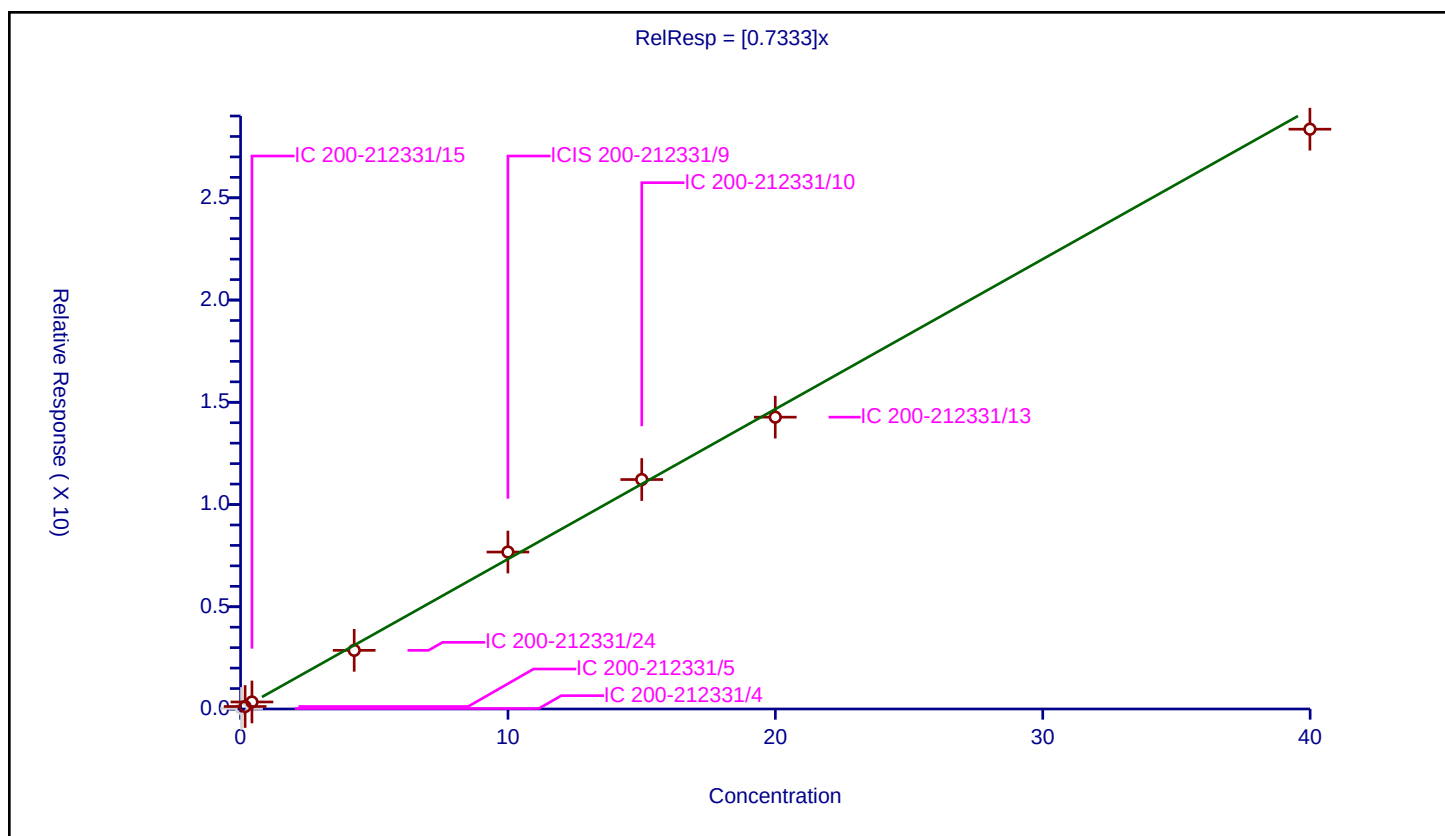
Curve Coefficients

Intercept: 0
Slope: 0.7333

Error Coefficients

Relative Standard Deviation: 6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.024182	10.0	1238924.0	0.689407	N
2	IC 200-212331/5	0.170374	0.121281	10.0	1255105.0	0.711851	Y
3	IC 200-212331/15	0.425385	0.343697	10.0	1483051.0	0.807967	Y
4	IC 200-212331/24	4.249175	2.868056	10.0	1557452.0	0.674968	Y
5	ICIS 200-212331/9	9.99806	7.675565	10.0	1234076.0	0.767705	Y
6	IC 200-212331/10	15.003557	11.221092	10.0	1316903.0	0.747895	Y
7	IC 200-212331/13	19.99612	14.272091	10.0	1405010.0	0.713743	Y
8	IC 200-212331/14	39.99224	28.355966	10.0	1488418.0	0.709037	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

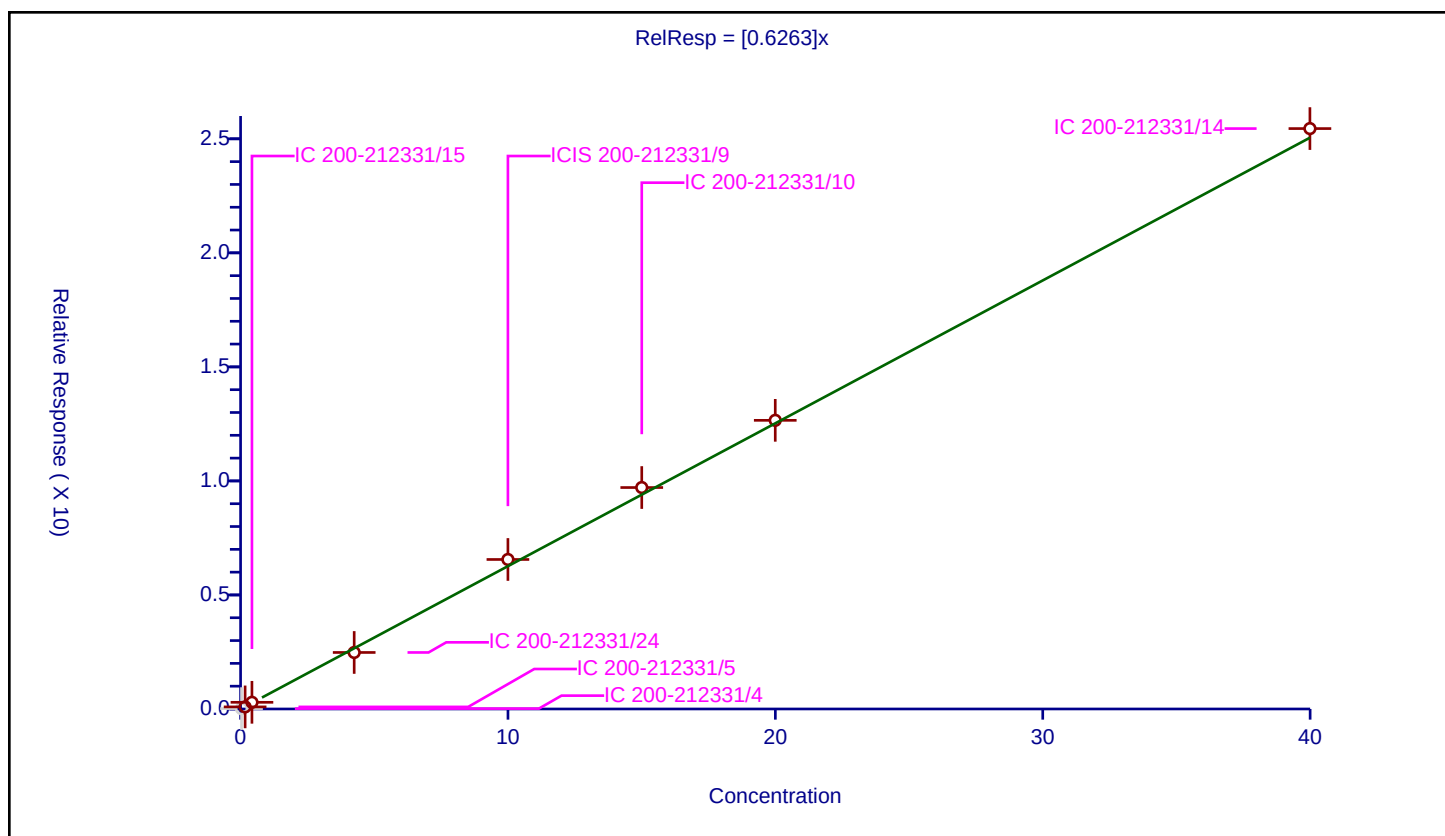
Curve Coefficients

Intercept: 0
Slope: 0.6263

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.017418	10.0	1238924.0	0.496575	N
2	IC 200-212331/5	0.170374	0.092215	10.0	1255105.0	0.541254	Y
3	IC 200-212331/15	0.425385	0.292573	10.0	1483051.0	0.687783	Y
4	IC 200-212331/24	4.249175	2.477861	10.0	1557452.0	0.583139	Y
5	ICIS 200-212331/9	9.99806	6.555212	10.0	1234076.0	0.655648	Y
6	IC 200-212331/10	15.003557	9.710586	10.0	1316903.0	0.647219	Y
7	IC 200-212331/13	19.99612	12.656764	10.0	1405010.0	0.632961	Y
8	IC 200-212331/14	39.99224	25.449148	10.0	1488418.0	0.636352	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

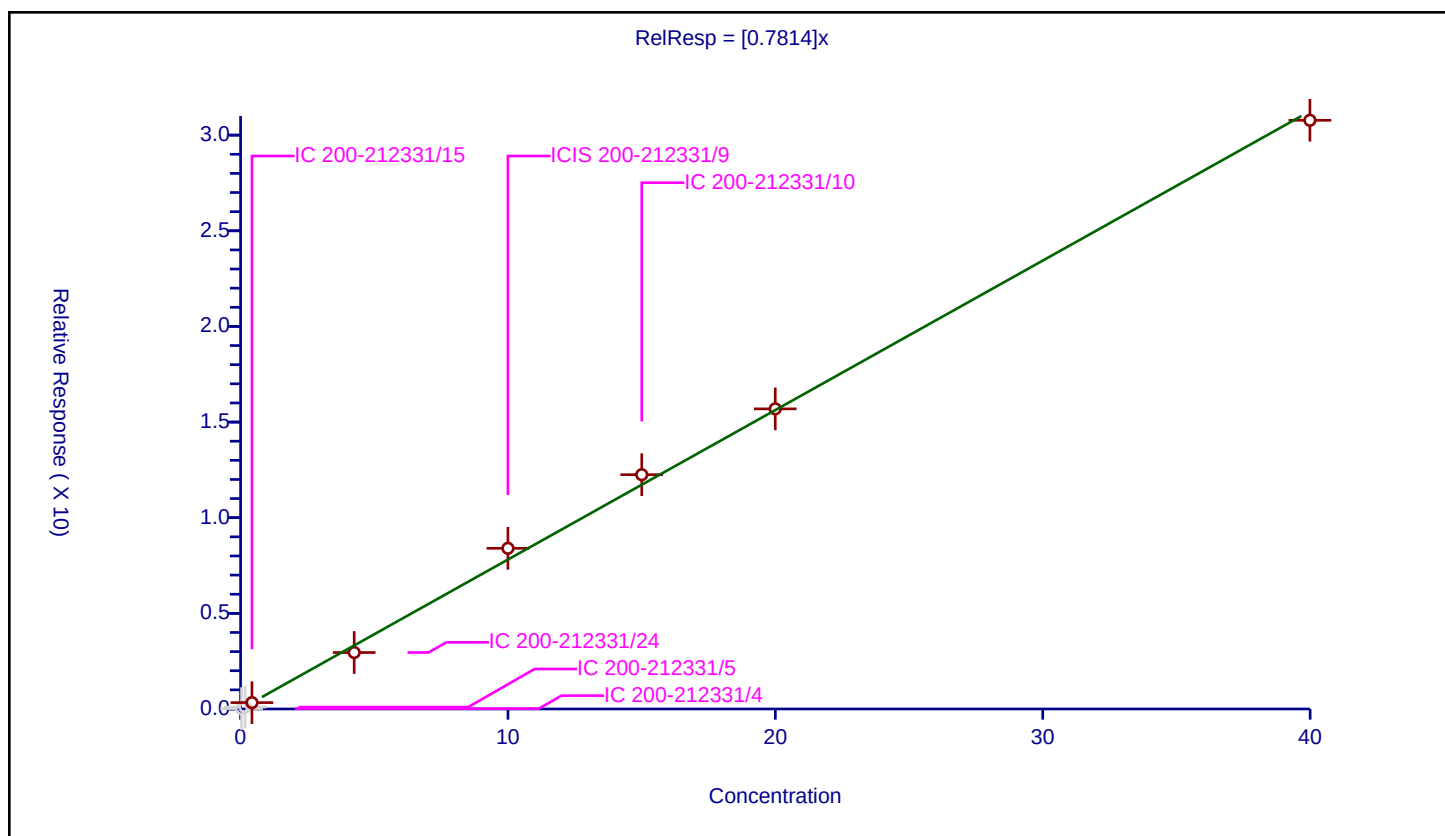
Curve Coefficients

Intercept: 0
Slope: 0.7814

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.021107	10.0	1238924.0	0.601735	N
2	IC 200-212331/5	0.170374	0.099522	10.0	1255105.0	0.584137	N
3	IC 200-212331/15	0.425385	0.332881	10.0	1483051.0	0.782542	Y
4	IC 200-212331/24	4.249175	2.952566	10.0	1557452.0	0.694856	Y
5	ICIS 200-212331/9	9.99806	8.400252	10.0	1234076.0	0.840188	Y
6	IC 200-212331/10	15.003557	12.249156	10.0	1316903.0	0.816417	Y
7	IC 200-212331/13	19.99612	15.690095	10.0	1405010.0	0.784657	Y
8	IC 200-212331/14	39.99224	30.77751	10.0	1488418.0	0.769587	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

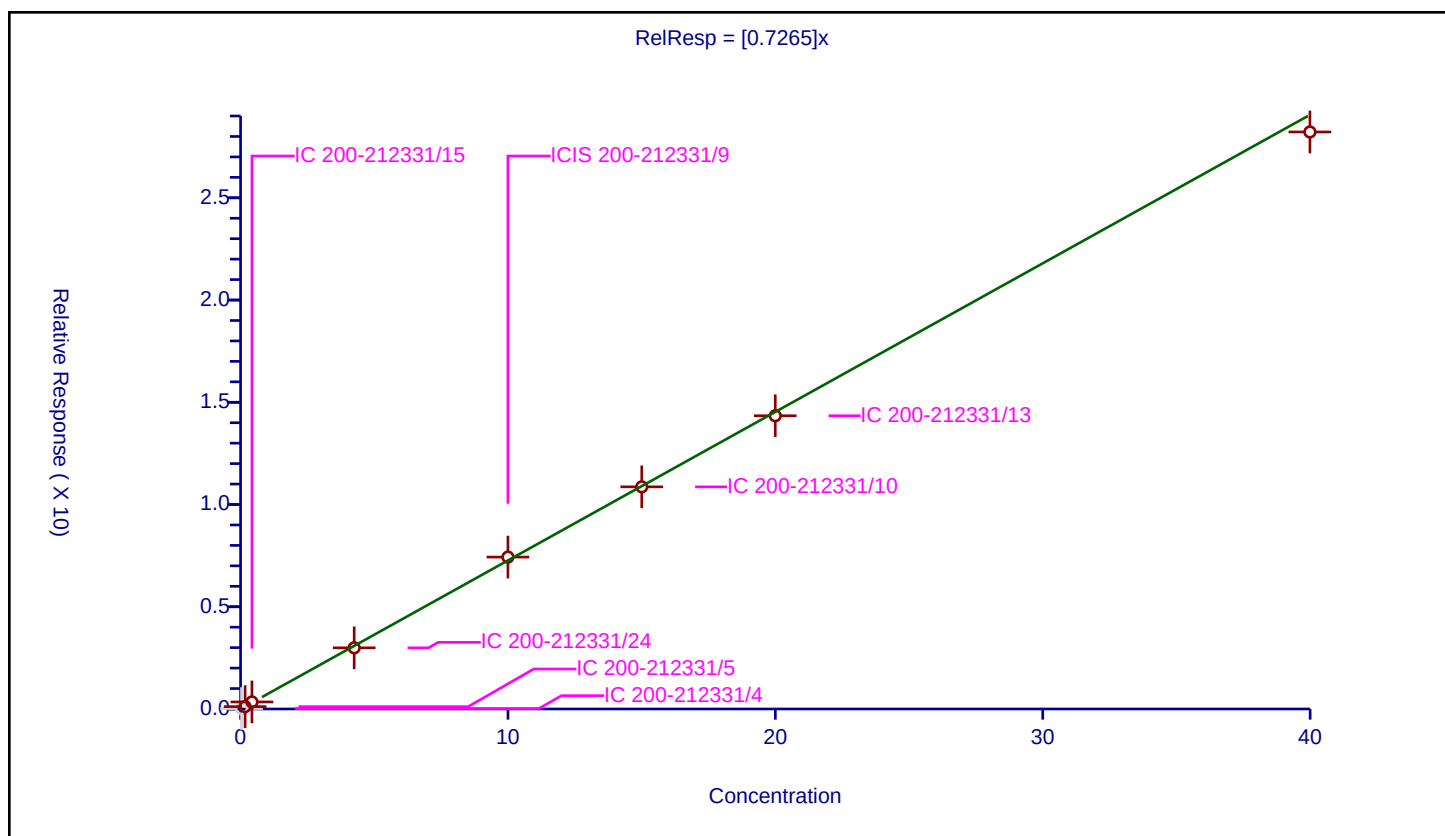
Curve Coefficients

Intercept: 0
Slope: 0.7265

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.020702	10.0	1105198.0	0.590193	N
2	IC 200-212331/5	0.170374	0.115809	10.0	1120118.0	0.679736	Y
3	IC 200-212331/15	0.425385	0.345453	10.0	1327965.0	0.812096	Y
4	IC 200-212331/24	4.249175	2.990462	10.0	1421125.0	0.703775	Y
5	ICIS 200-212331/9	9.99806	7.429084	10.0	1121581.0	0.743053	Y
6	IC 200-212331/10	15.003557	10.864583	10.0	1199781.0	0.724134	Y
7	IC 200-212331/13	19.99612	14.340915	10.0	1287945.0	0.717185	Y
8	IC 200-212331/14	39.99224	28.220512	10.0	1373294.0	0.70565	Y



Calibration

/ n-Octane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

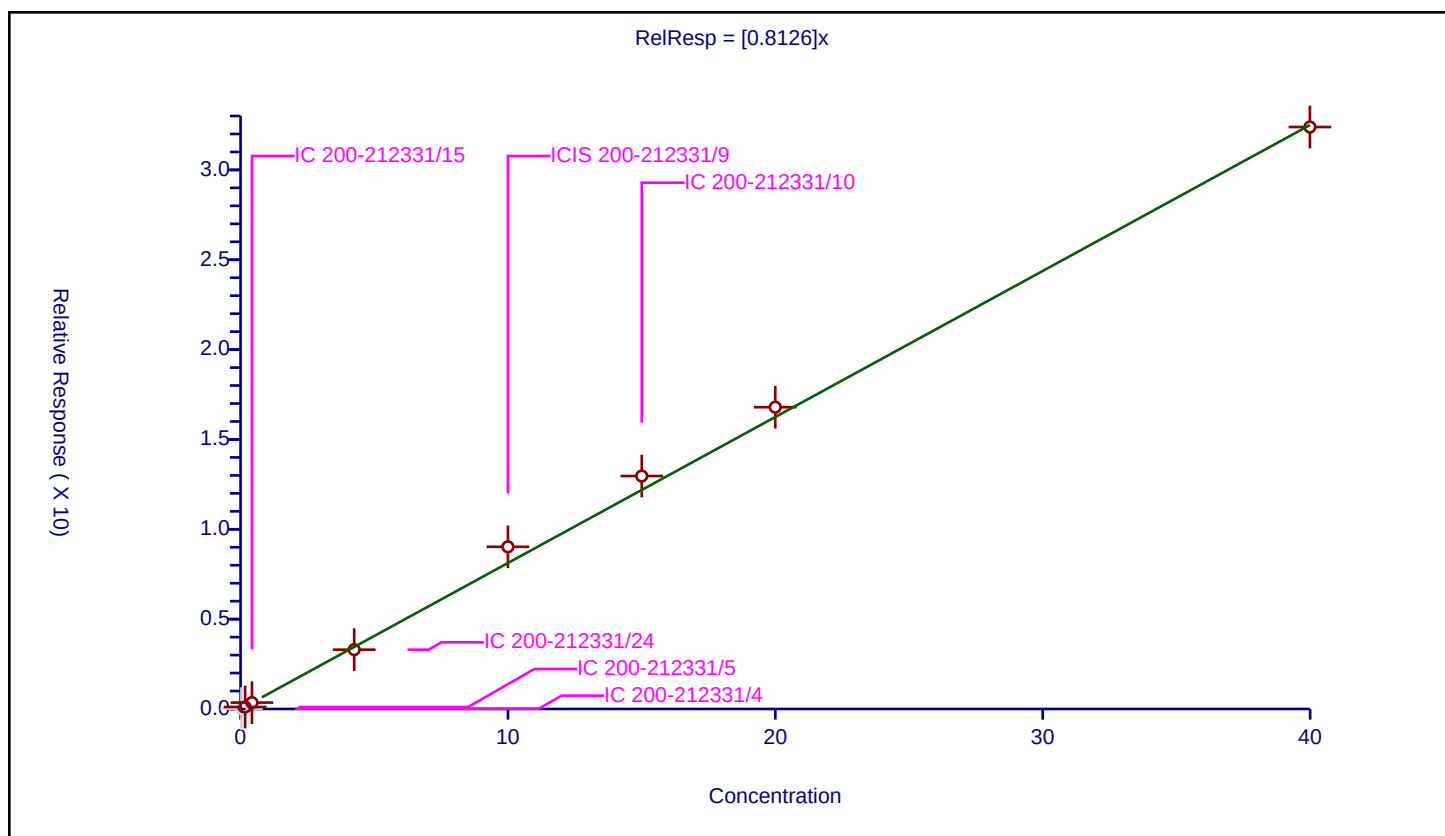
Curve Coefficients

Intercept: 0
Slope: 0.8126

Error Coefficients

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.020219	10.0	1238924.0	0.576423	N
2	IC 200-212331/5	0.170374	0.112007	10.0	1255105.0	0.657417	Y
3	IC 200-212331/15	0.425385	0.356117	10.0	1483051.0	0.837165	Y
4	IC 200-212331/24	4.249175	3.300596	10.0	1557452.0	0.776762	Y
5	ICIS 200-212331/9	9.99806	9.025554	10.0	1234076.0	0.902731	Y
6	IC 200-212331/10	15.003557	12.963878	10.0	1316903.0	0.864054	Y
7	IC 200-212331/13	19.99612	16.795105	10.0	1405010.0	0.839918	Y
8	IC 200-212331/14	39.99224	32.387642	10.0	1488418.0	0.809848	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

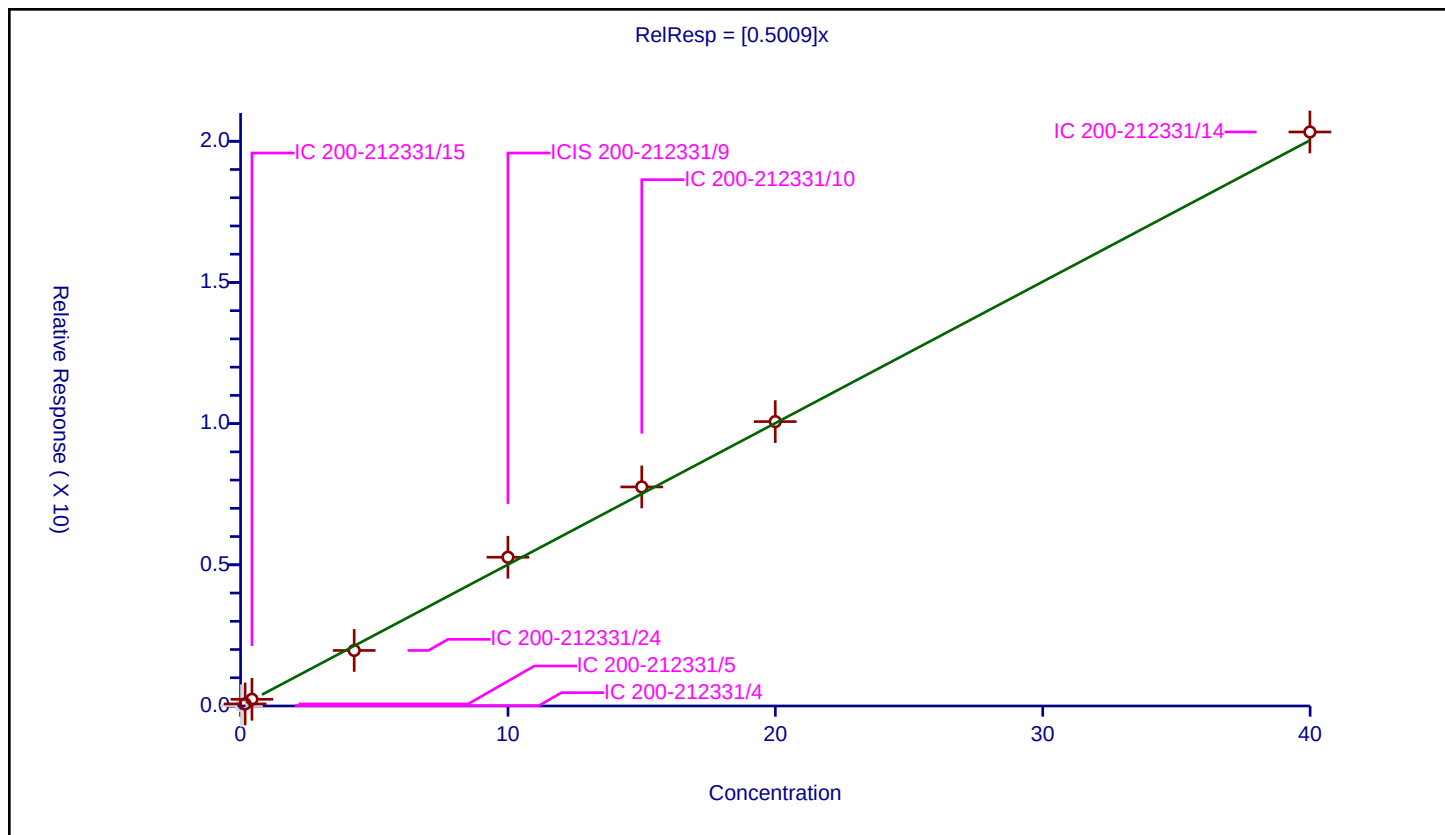
Curve Coefficients

Intercept: 0
Slope: 0.5009

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.013036	10.0	1238924.0	0.371626	N
2	IC 200-212331/5	0.170374	0.073038	10.0	1255105.0	0.428691	Y
3	IC 200-212331/15	0.425385	0.237618	10.0	1483051.0	0.558596	Y
4	IC 200-212331/24	4.249175	1.967014	10.0	1557452.0	0.462917	Y
5	ICIS 200-212331/9	9.99806	5.267852	10.0	1234076.0	0.526887	Y
6	IC 200-212331/10	15.003557	7.757694	10.0	1316903.0	0.517057	Y
7	IC 200-212331/13	19.99612	10.071693	10.0	1405010.0	0.503682	Y
8	IC 200-212331/14	39.99224	20.328779	10.0	1488418.0	0.508318	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

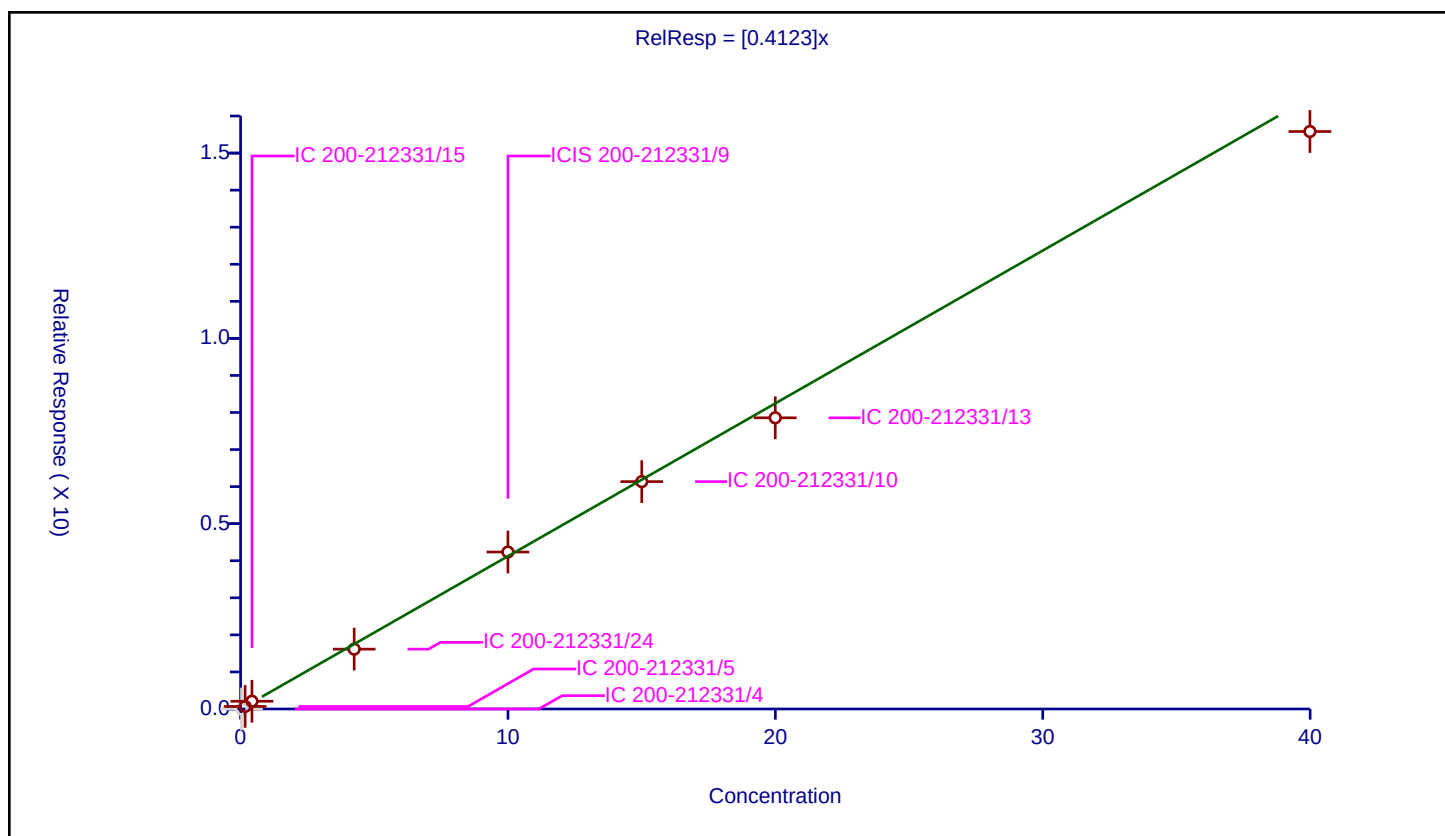
Curve Coefficients

Intercept: 0
Slope: 0.4123

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.0	10.0	1105198.0	0.0	N
2	IC 200-212331/5	0.170374	0.06843	10.0	1120118.0	0.401648	Y
3	IC 200-212331/15	0.425385	0.208146	10.0	1327965.0	0.489311	Y
4	IC 200-212331/24	4.249175	1.615023	10.0	1421125.0	0.380079	Y
5	ICIS 200-212331/9	9.99806	4.235824	10.0	1121581.0	0.423665	Y
6	IC 200-212331/10	15.003557	6.134803	10.0	1199781.0	0.40889	Y
7	IC 200-212331/13	19.99612	7.856974	10.0	1287945.0	0.392925	Y
8	IC 200-212331/14	39.99224	15.58198	10.0	1373294.0	0.389625	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

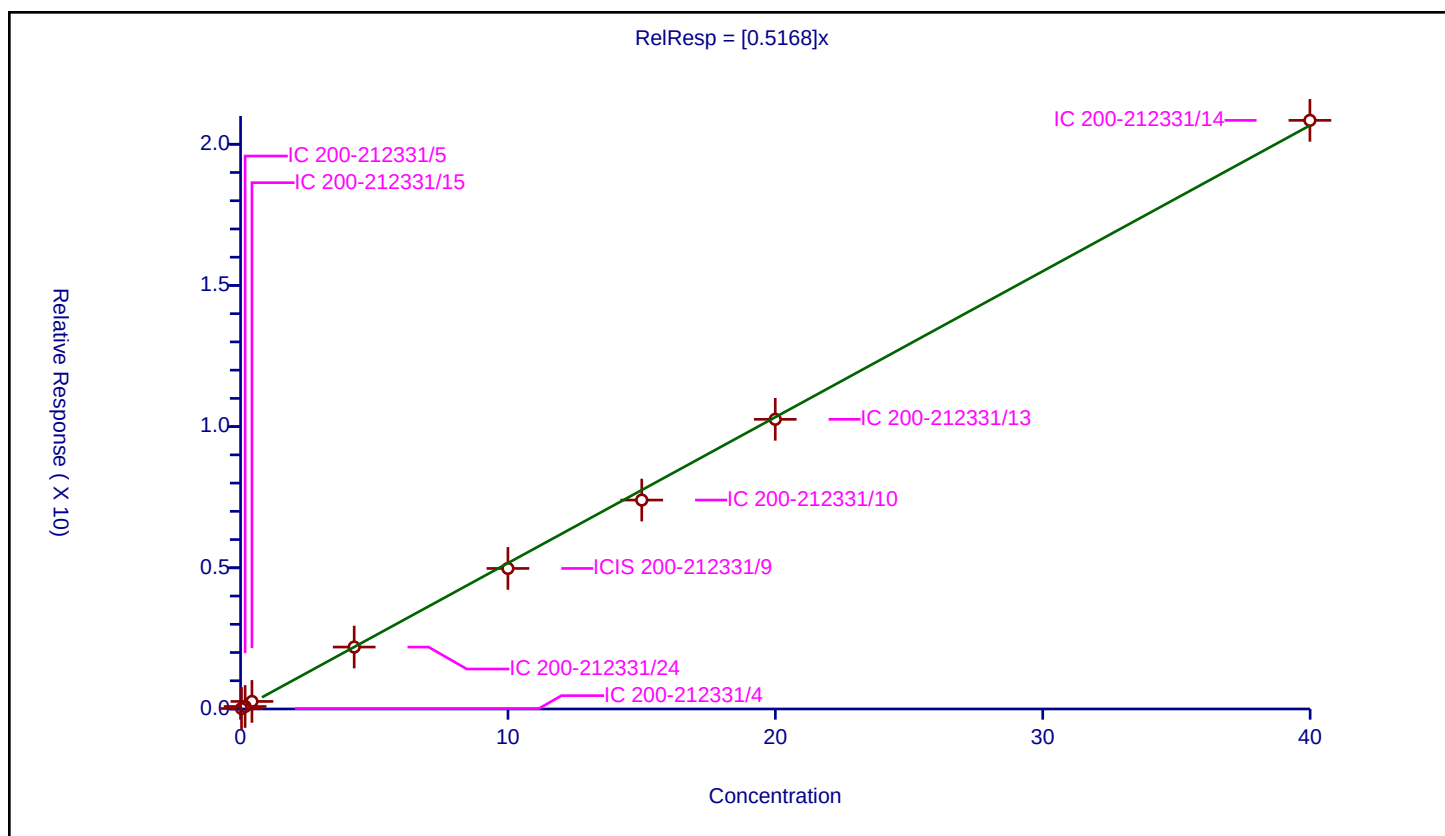
Curve Coefficients

Intercept: 0
Slope: 0.5168

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.01559	10.0	1105198.0	0.444451	Y
2	IC 200-212331/5	0.170374	0.088375	10.0	1120118.0	0.51871	Y
3	IC 200-212331/15	0.425385	0.267801	10.0	1327965.0	0.62955	Y
4	IC 200-212331/24	4.249175	2.193016	10.0	1421125.0	0.516104	Y
5	ICIS 200-212331/9	9.99806	4.976992	10.0	1121581.0	0.497796	Y
6	IC 200-212331/10	15.003557	7.399192	10.0	1199781.0	0.493163	Y
7	IC 200-212331/13	19.99612	10.258831	10.0	1287945.0	0.513041	Y
8	IC 200-212331/14	39.99224	20.846039	10.0	1373294.0	0.521252	Y



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

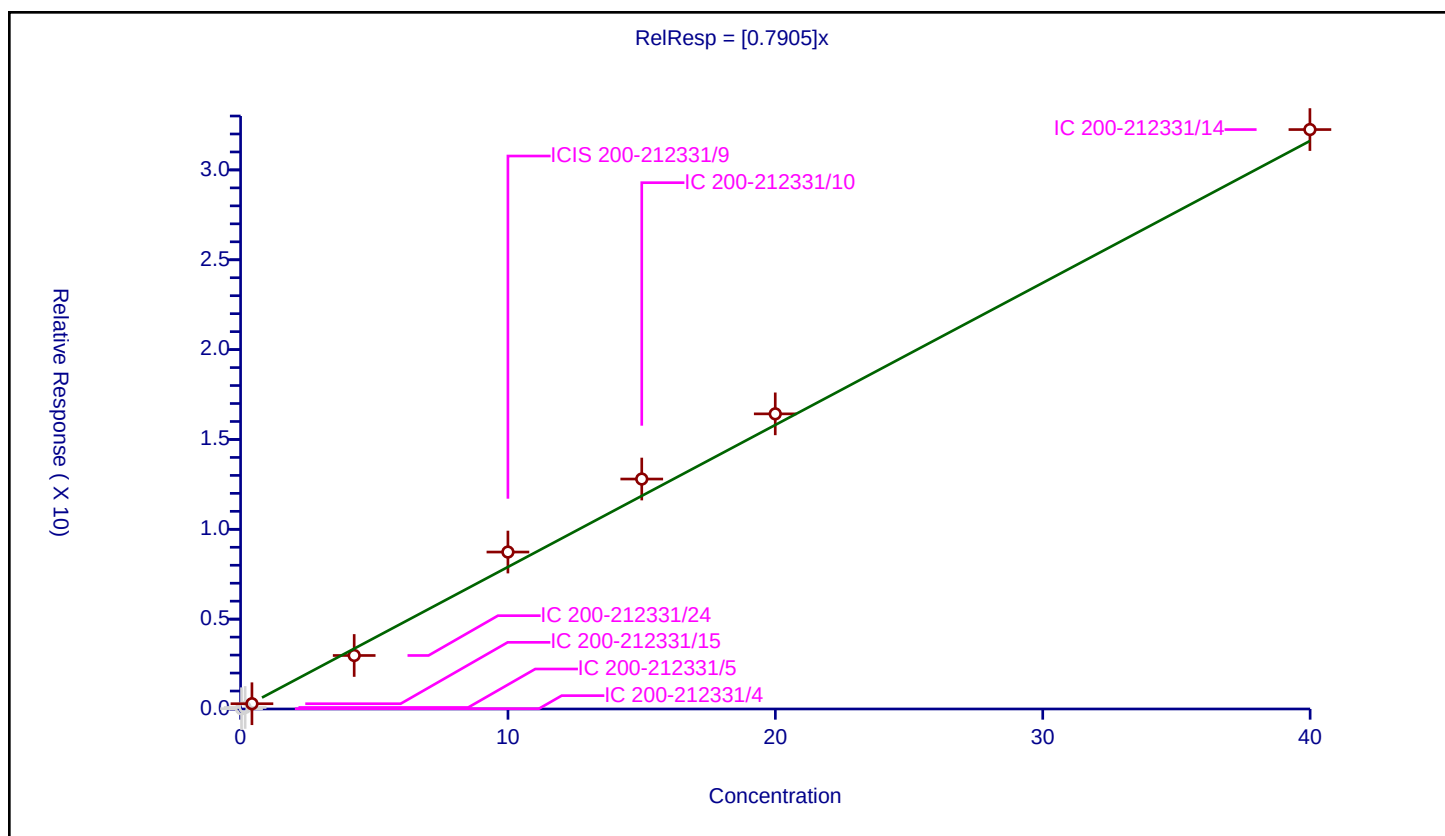
Curve Coefficients

Intercept: 0
Slope: 0.7905

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.015653	10.0	1105198.0	0.446256	N
2	IC 200-212331/5	0.170374	0.084759	10.0	1120118.0	0.497488	N
3	IC 200-212331/15	0.425385	0.292523	10.0	1327965.0	0.687666	Y
4	IC 200-212331/24	4.249175	2.977683	10.0	1421125.0	0.700767	Y
5	ICIS 200-212331/9	9.99806	8.735018	10.0	1121581.0	0.873671	Y
6	IC 200-212331/10	15.003557	12.798277	10.0	1199781.0	0.853016	Y
7	IC 200-212331/13	19.99612	16.425158	10.0	1287945.0	0.821417	Y
8	IC 200-212331/14	39.99224	32.24563	10.0	1373294.0	0.806297	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

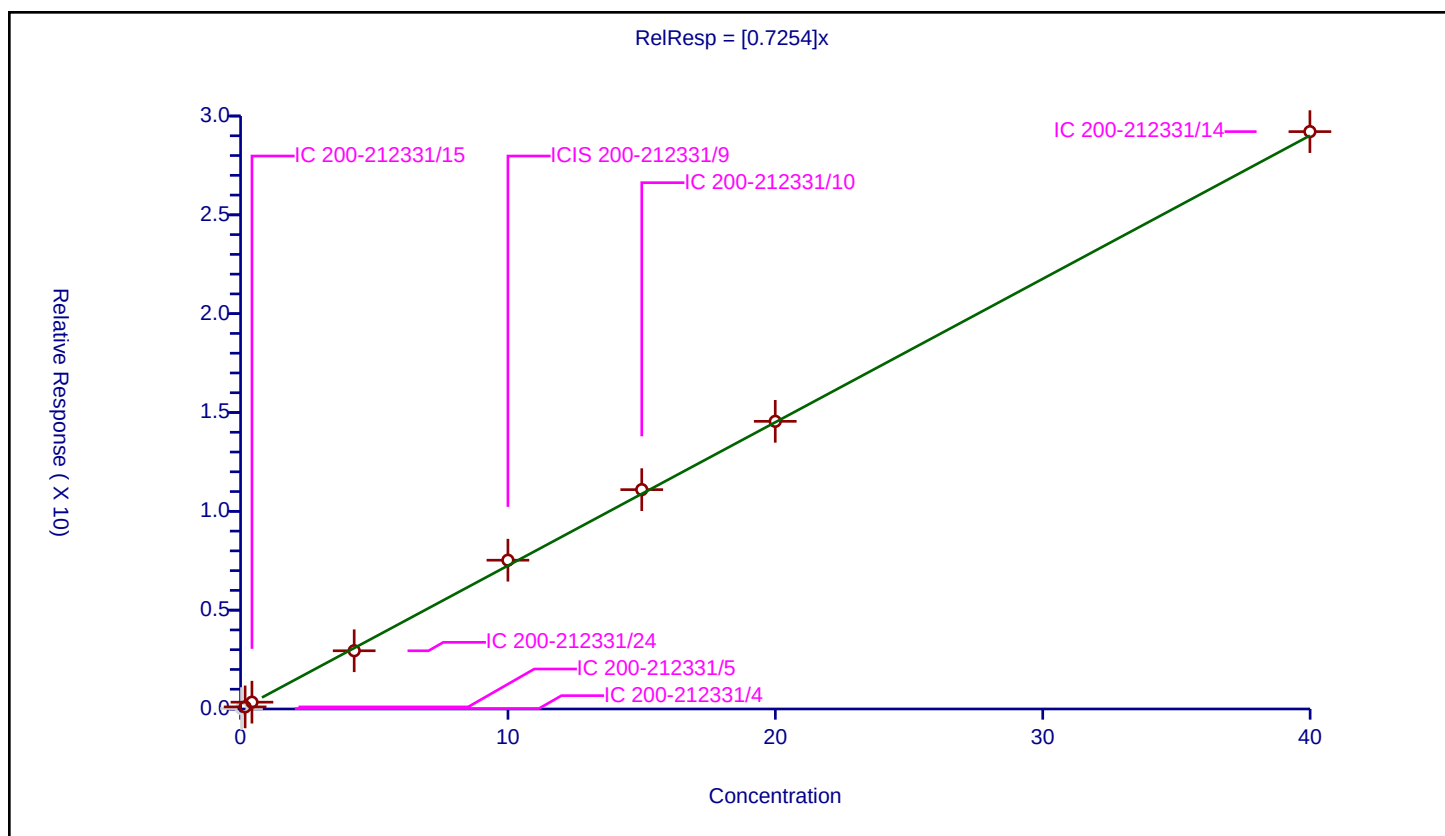
Curve Coefficients

Intercept: 0
Slope: 0.7254

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.021363	10.0	1105198.0	0.609024	N
2	IC 200-212331/5	0.170374	0.105998	10.0	1120118.0	0.622149	Y
3	IC 200-212331/15	0.425385	0.345205	10.0	1327965.0	0.811512	Y
4	IC 200-212331/24	4.249175	2.946067	10.0	1421125.0	0.693327	Y
5	ICIS 200-212331/9	9.99806	7.527321	10.0	1121581.0	0.752878	Y
6	IC 200-212331/10	15.003557	11.097667	10.0	1199781.0	0.739669	Y
7	IC 200-212331/13	19.99612	14.553432	10.0	1287945.0	0.727813	Y
8	IC 200-212331/14	39.99224	29.211196	10.0	1373294.0	0.730422	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

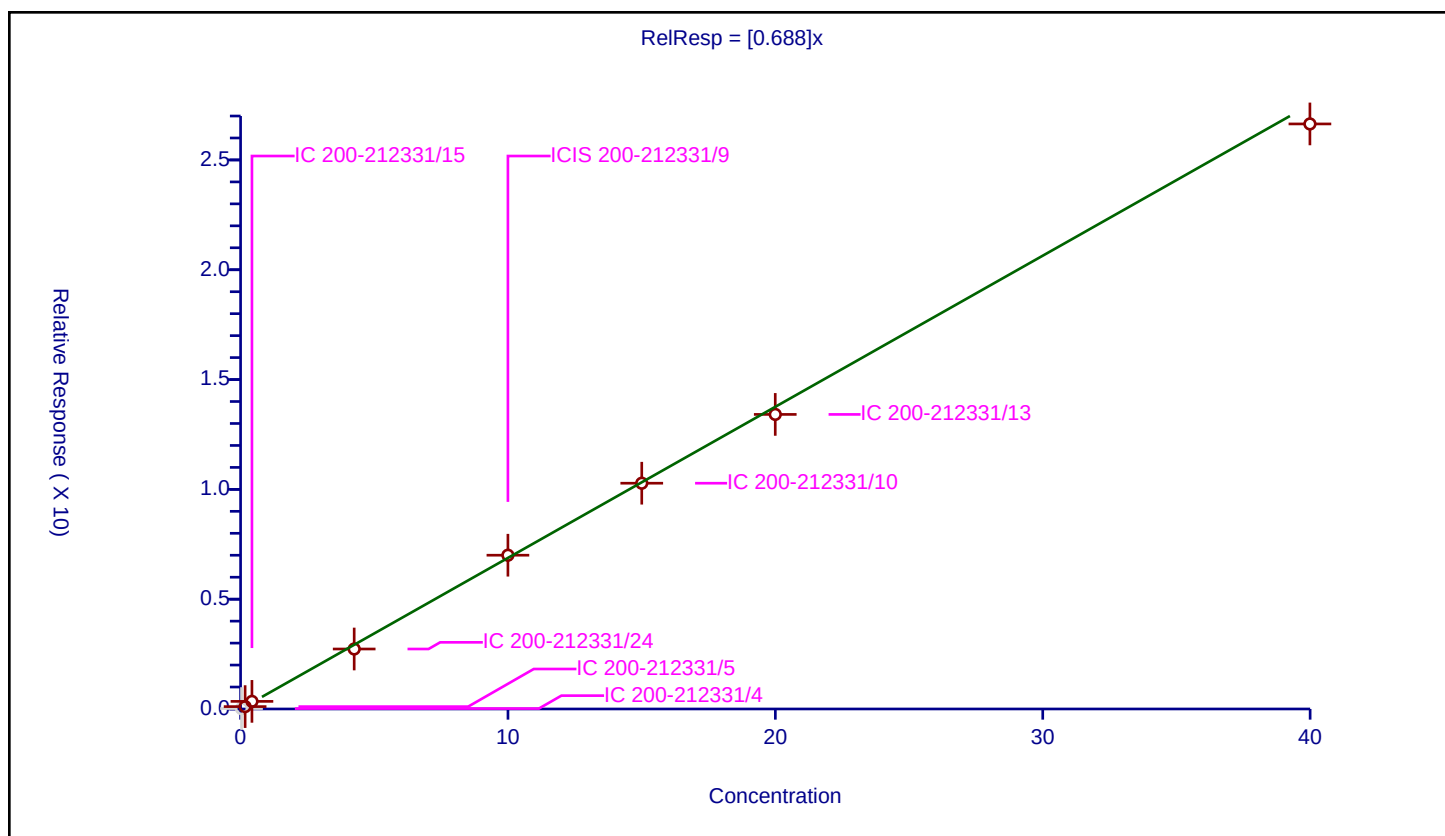
Curve Coefficients

Intercept: 0
Slope: 0.688

Error Coefficients

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.020295	10.0	1105198.0	0.578585	N
2	IC 200-212331/5	0.170374	0.108364	10.0	1120118.0	0.636035	Y
3	IC 200-212331/15	0.425385	0.346508	10.0	1327965.0	0.814575	Y
4	IC 200-212331/24	4.249175	2.73192	10.0	1421125.0	0.642929	Y
5	ICIS 200-212331/9	9.99806	7.00225	10.0	1121581.0	0.700361	Y
6	IC 200-212331/10	15.003557	10.279993	10.0	1199781.0	0.68517	Y
7	IC 200-212331/13	19.99612	13.412677	10.0	1287945.0	0.670764	Y
8	IC 200-212331/14	39.99224	26.639445	10.0	1373294.0	0.666115	Y



Calibration

/ Chlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

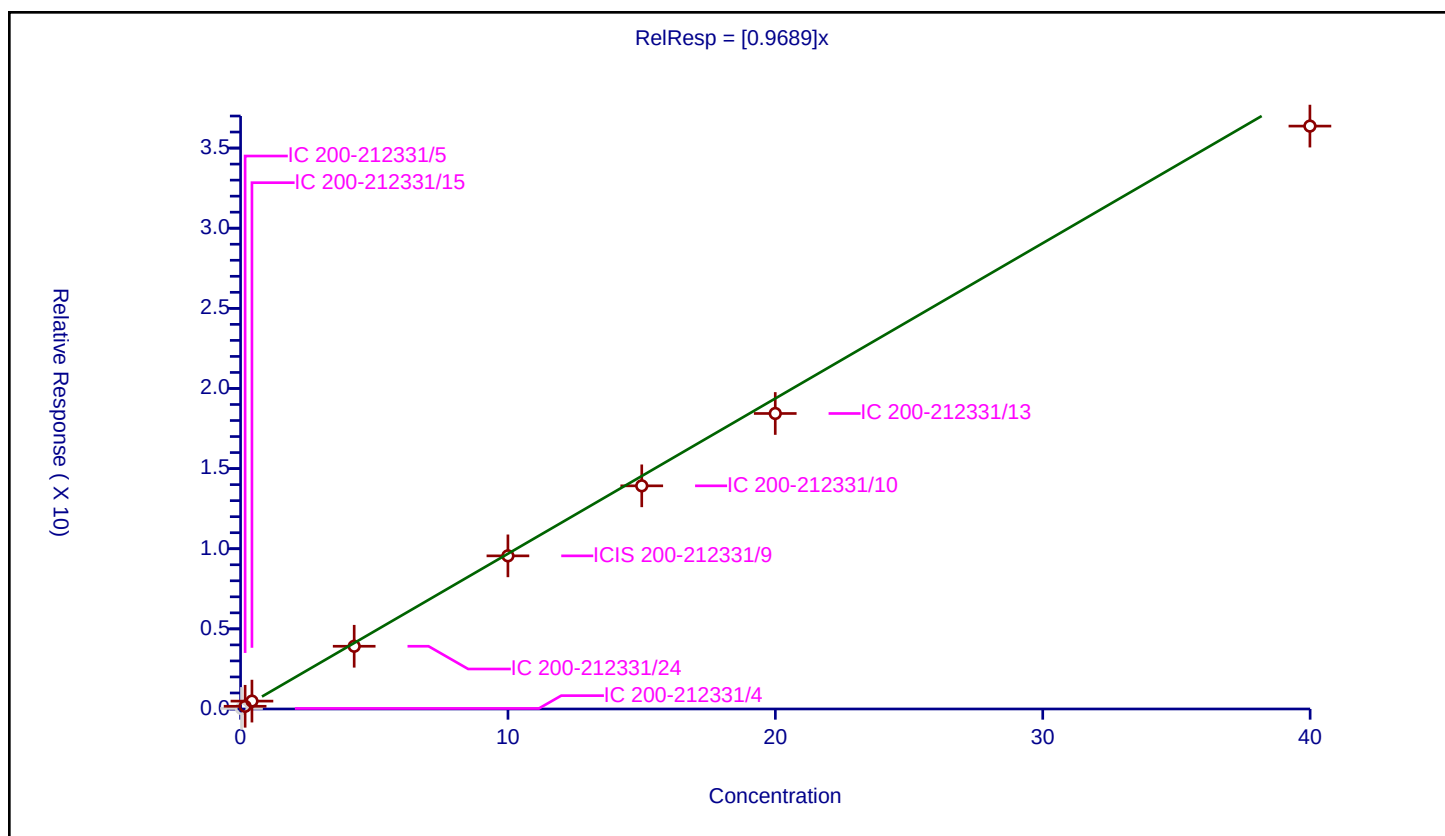
Curve Coefficients

Intercept: 0
Slope: 0.9689

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.033605	10.0	1105198.0	0.958032	N
2	IC 200-212331/5	0.170374	0.168357	10.0	1120118.0	0.988165	Y
3	IC 200-212331/15	0.425385	0.492377	10.0	1327965.0	1.157487	Y
4	IC 200-212331/24	4.249175	3.913808	10.0	1421125.0	0.921075	Y
5	ICIS 200-212331/9	9.99806	9.555841	10.0	1121581.0	0.95577	Y
6	IC 200-212331/10	15.003557	13.923891	10.0	1199781.0	0.928039	Y
7	IC 200-212331/13	19.99612	18.438404	10.0	1287945.0	0.922099	Y
8	IC 200-212331/14	39.99224	36.371119	10.0	1373294.0	0.909454	Y



Calibration

/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

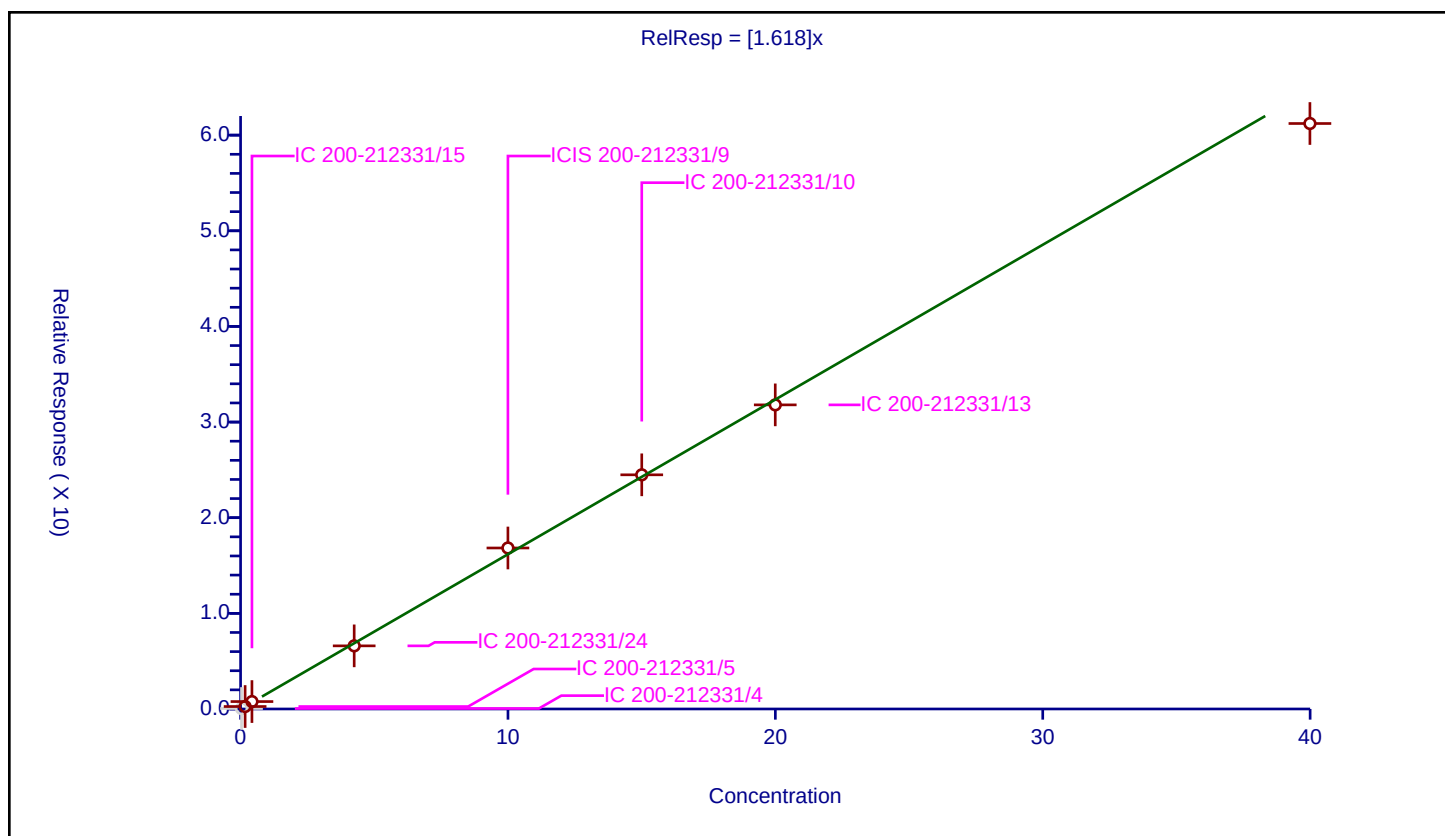
Curve Coefficients

Intercept: 0
Slope: 1.618

Error Coefficients

Relative Standard Deviation: 6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.05086	10.0	1105198.0	1.449946	N
2	IC 200-212331/5	0.170374	0.257482	10.0	1120118.0	1.511277	Y
3	IC 200-212331/15	0.425385	0.775886	10.0	1327965.0	1.823964	Y
4	IC 200-212331/24	4.249175	6.600799	10.0	1421125.0	1.55343	Y
5	ICIS 200-212331/9	9.99806	16.834807	10.0	1121581.0	1.683807	Y
6	IC 200-212331/10	15.003557	24.48371	10.0	1199781.0	1.63186	Y
7	IC 200-212331/13	19.99612	31.796754	10.0	1287945.0	1.590146	Y
8	IC 200-212331/14	39.99224	61.217729	10.0	1373294.0	1.53074	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

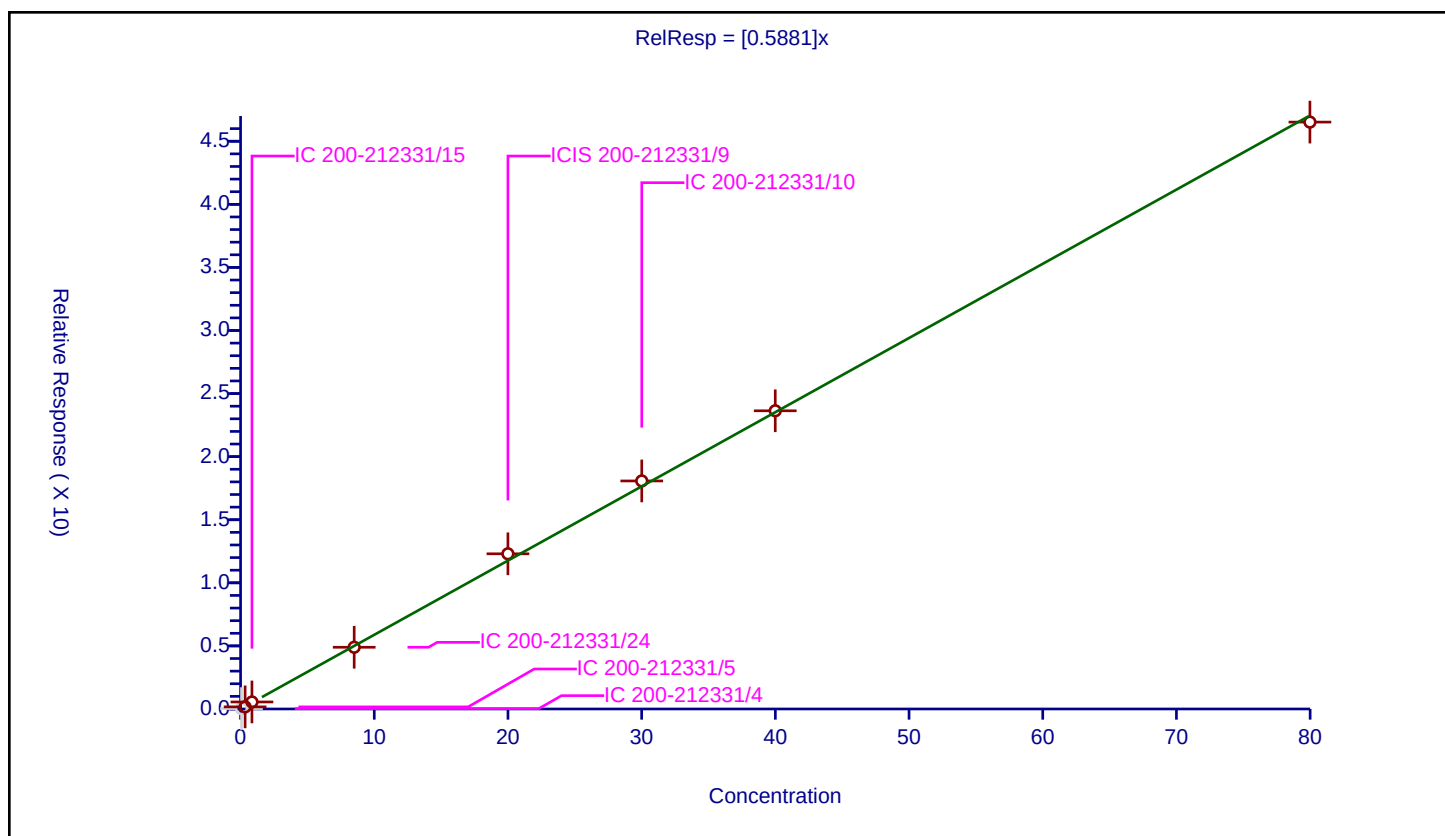
Curve Coefficients

Intercept: 0
Slope: 0.5881

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.070154	0.030483	10.0	1105198.0	0.434519	N
2	IC 200-212331/5	0.340747	0.168723	10.0	1120118.0	0.495156	Y
3	IC 200-212331/15	0.850769	0.557838	10.0	1327965.0	0.655687	Y
4	IC 200-212331/24	8.498351	4.89237	10.0	1421125.0	0.575685	Y
5	ICIS 200-212331/9	19.99612	12.30102	10.0	1121581.0	0.61517	Y
6	IC 200-212331/10	30.007114	18.075024	10.0	1199781.0	0.602358	Y
7	IC 200-212331/13	39.99224	23.635062	10.0	1287945.0	0.590991	Y
8	IC 200-212331/14	79.984479	46.517344	10.0	1373294.0	0.58158	Y



Calibration

/ n-Nonane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

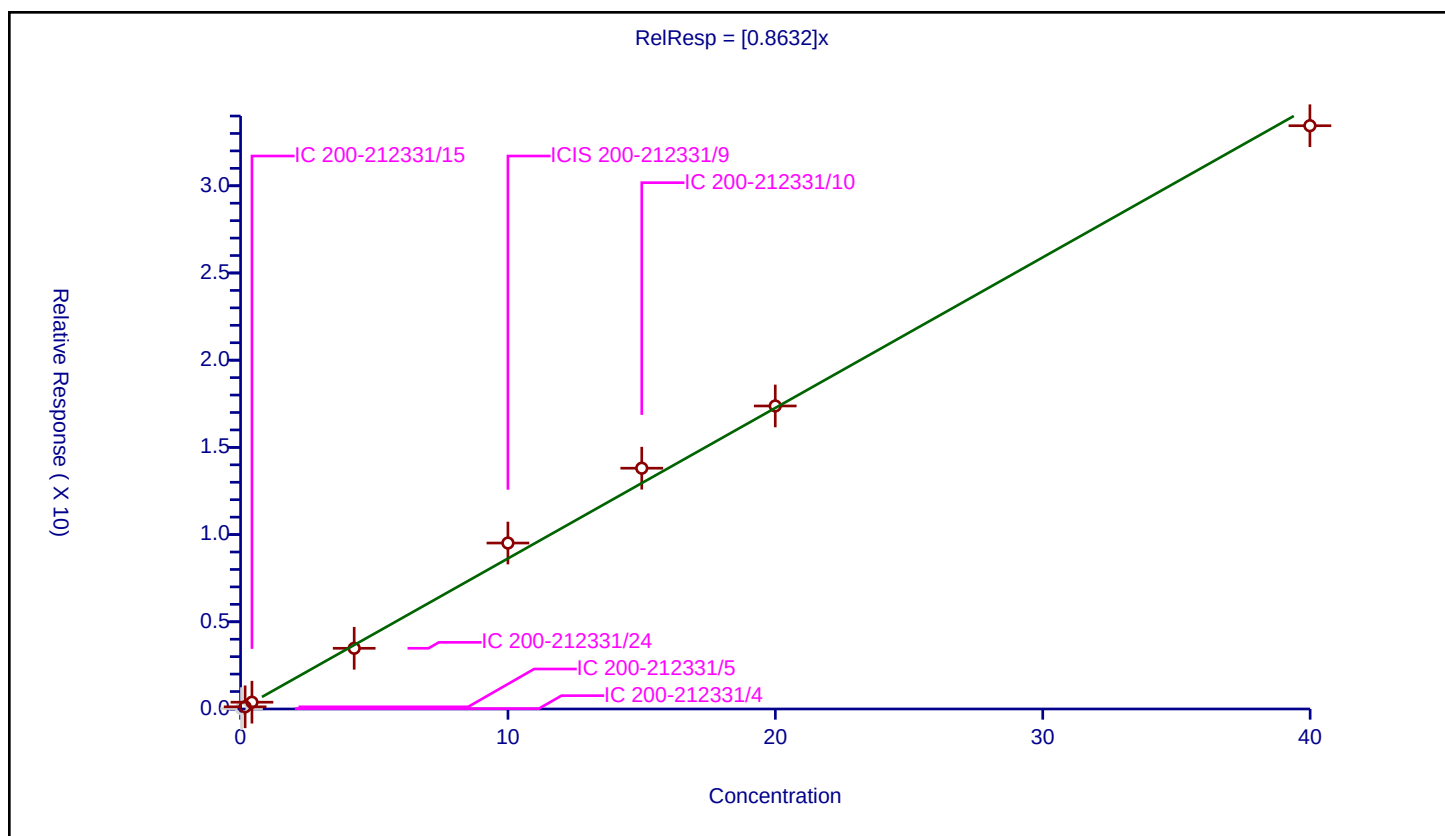
Curve Coefficients

Intercept: 0
Slope: 0.8632

Error Coefficients

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.021634	10.0	1105198.0	0.616762	N
2	IC 200-212331/5	0.170374	0.124558	10.0	1120118.0	0.731089	Y
3	IC 200-212331/15	0.425385	0.389114	10.0	1327965.0	0.914735	Y
4	IC 200-212331/24	4.249175	3.481369	10.0	1421125.0	0.819305	Y
5	ICIS 200-212331/9	9.99806	9.515247	10.0	1121581.0	0.951709	Y
6	IC 200-212331/10	15.003557	13.805695	10.0	1199781.0	0.920161	Y
7	IC 200-212331/13	19.99612	17.375385	10.0	1287945.0	0.868938	Y
8	IC 200-212331/14	39.99224	33.443472	10.0	1373294.0	0.836249	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

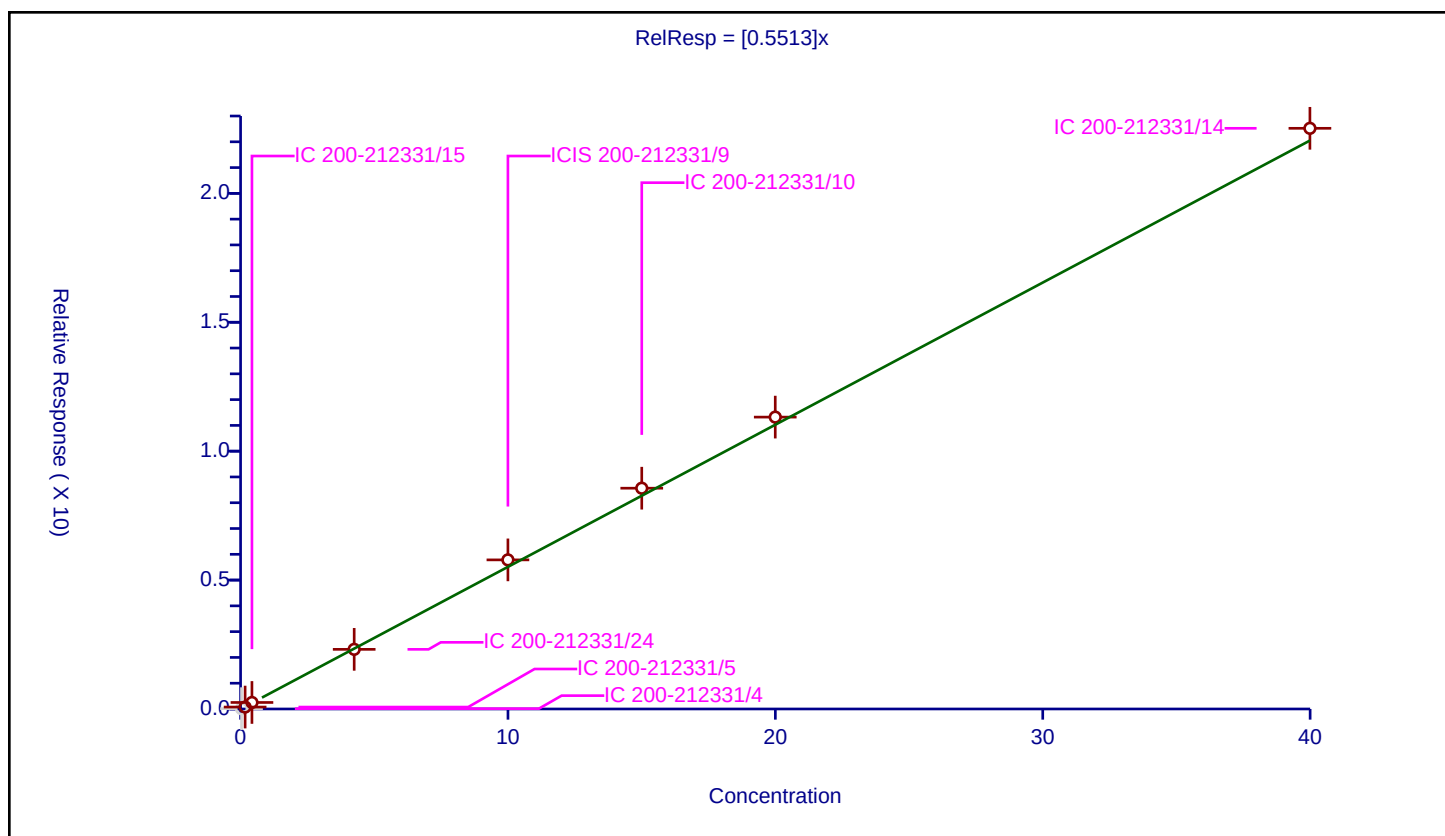
Curve Coefficients

Intercept: 0
Slope: 0.5513

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.012848	10.0	1105198.0	0.366291	N
2	IC 200-212331/5	0.170374	0.075403	10.0	1120118.0	0.442573	Y
3	IC 200-212331/15	0.425385	0.252522	10.0	1327965.0	0.593631	Y
4	IC 200-212331/24	4.249175	2.313301	10.0	1421125.0	0.544412	Y
5	ICIS 200-212331/9	9.99806	5.783372	10.0	1121581.0	0.578449	Y
6	IC 200-212331/10	15.003557	8.563279	10.0	1199781.0	0.57075	Y
7	IC 200-212331/13	19.99612	11.32105	10.0	1287945.0	0.566162	Y
8	IC 200-212331/14	39.99224	22.522963	10.0	1373294.0	0.563183	Y



Calibration

/ Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

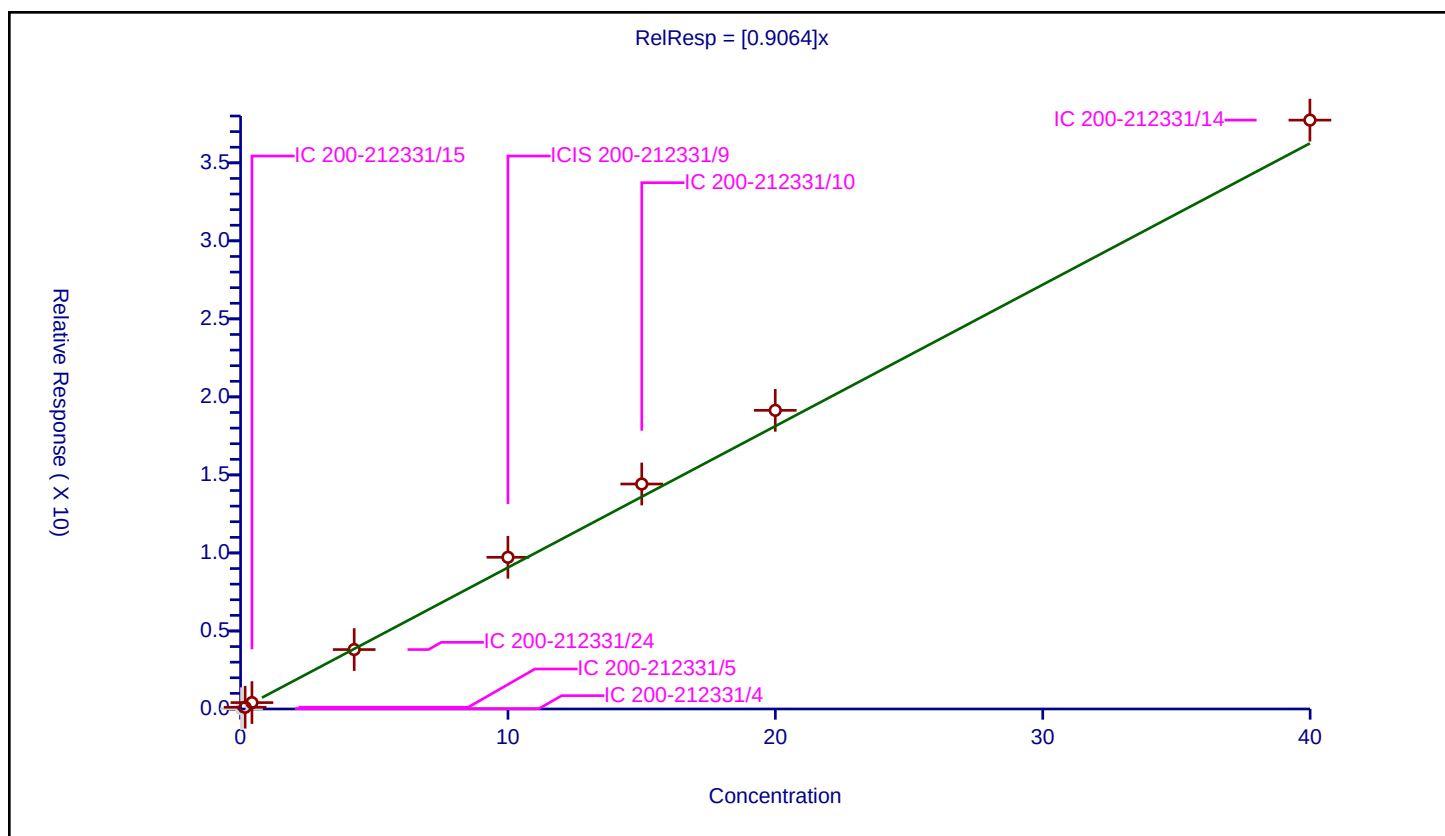
Curve Coefficients

Intercept: 0
Slope: 0.9064

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.019707	10.0	1105198.0	0.561819	N
2	IC 200-212331/5	0.170374	0.110997	10.0	1120118.0	0.651493	Y
3	IC 200-212331/15	0.425385	0.409732	10.0	1327965.0	0.963204	Y
4	IC 200-212331/24	4.249175	3.807596	10.0	1421125.0	0.896079	Y
5	ICIS 200-212331/9	9.99806	9.720921	10.0	1121581.0	0.972281	Y
6	IC 200-212331/10	15.003557	14.417365	10.0	1199781.0	0.96093	Y
7	IC 200-212331/13	19.99612	19.139459	10.0	1287945.0	0.957159	Y
8	IC 200-212331/14	39.99224	37.737076	10.0	1373294.0	0.94361	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

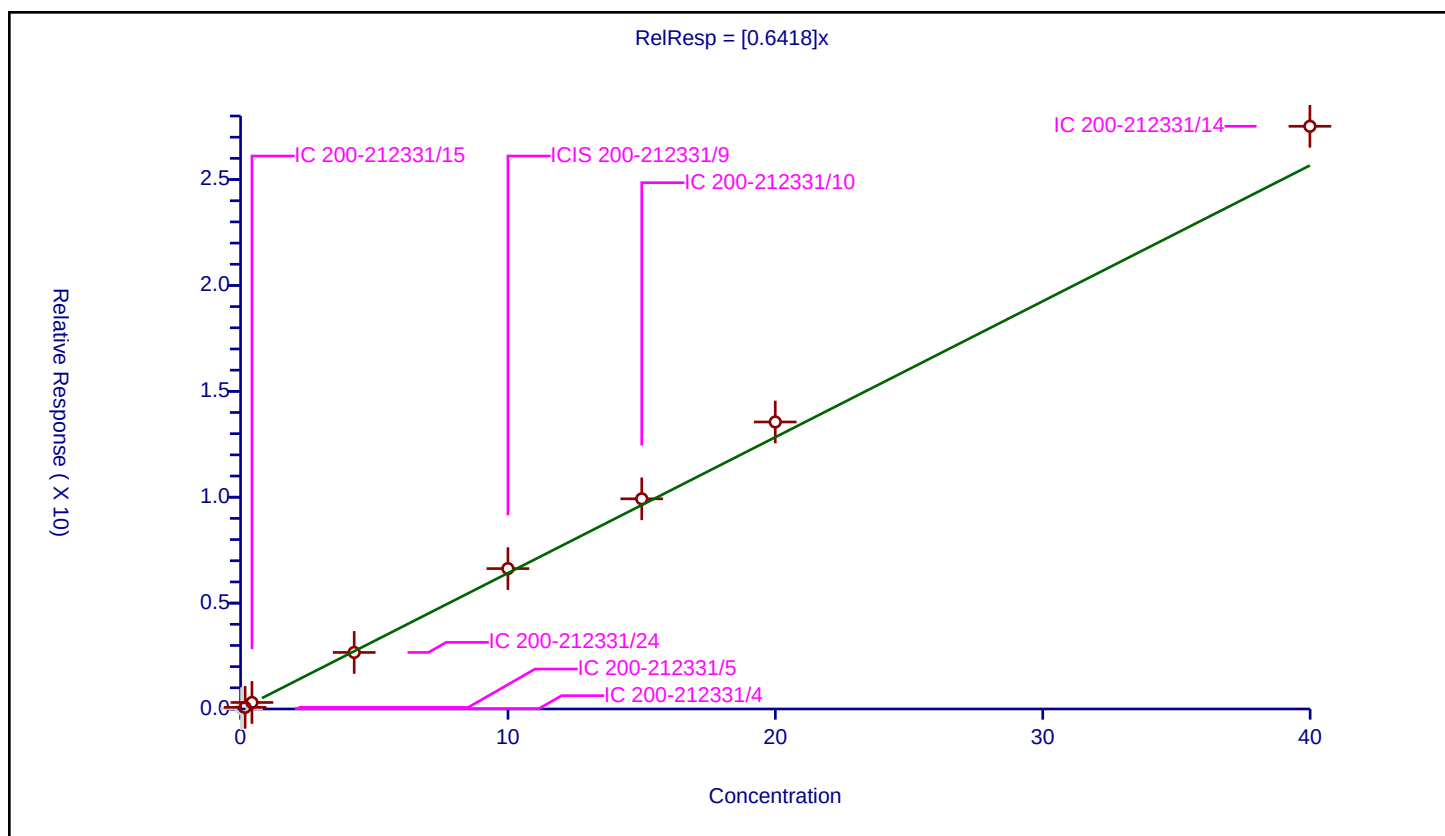
Curve Coefficients

Intercept: 0
Slope: 0.6418

Error Coefficients

Relative Standard Deviation: 13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.015717	10.0	1105198.0	0.448062	N
2	IC 200-212331/5	0.170374	0.076733	10.0	1120118.0	0.45038	Y
3	IC 200-212331/15	0.425385	0.307779	10.0	1327965.0	0.723531	Y
4	IC 200-212331/24	4.249175	2.670617	10.0	1421125.0	0.628502	Y
5	ICIS 200-212331/9	9.99806	6.628518	10.0	1121581.0	0.66298	Y
6	IC 200-212331/10	15.003557	9.923728	10.0	1199781.0	0.661425	Y
7	IC 200-212331/13	19.99612	13.552116	10.0	1287945.0	0.677737	Y
8	IC 200-212331/14	39.99224	27.515303	10.0	1373294.0	0.688016	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

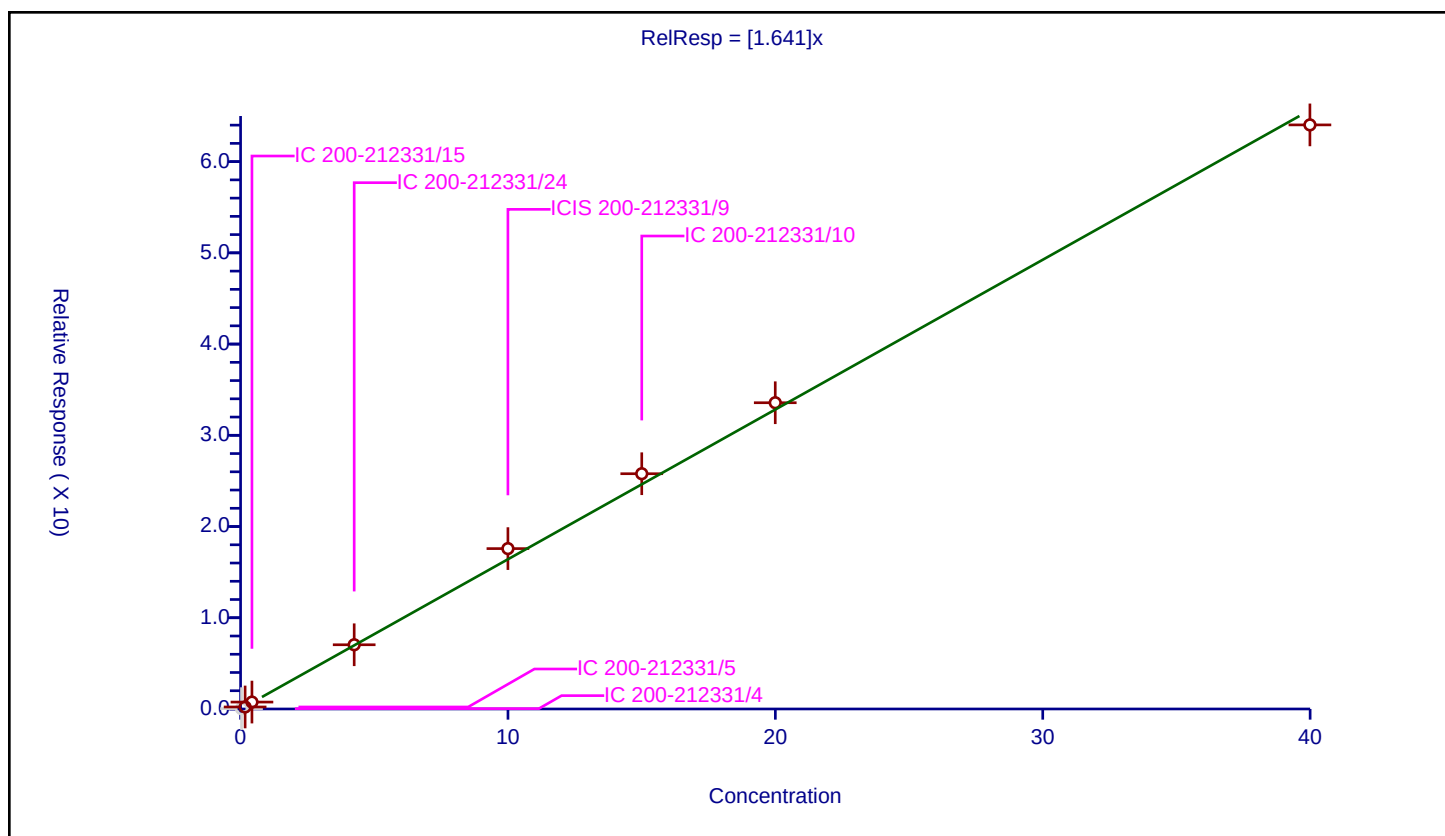
Curve Coefficients

Intercept: 0
Slope: 1.641

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.040364	10.0	1105198.0	1.150722	N
2	IC 200-212331/5	0.170374	0.220486	10.0	1120118.0	1.29413	Y
3	IC 200-212331/15	0.425385	0.757889	10.0	1327965.0	1.781655	Y
4	IC 200-212331/24	4.249175	7.039627	10.0	1421125.0	1.656704	Y
5	ICIS 200-212331/9	9.99806	17.582288	10.0	1121581.0	1.75857	Y
6	IC 200-212331/10	15.003557	25.790257	10.0	1199781.0	1.718943	Y
7	IC 200-212331/13	19.99612	33.571573	10.0	1287945.0	1.678904	Y
8	IC 200-212331/14	39.99224	64.026341	10.0	1373294.0	1.600969	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

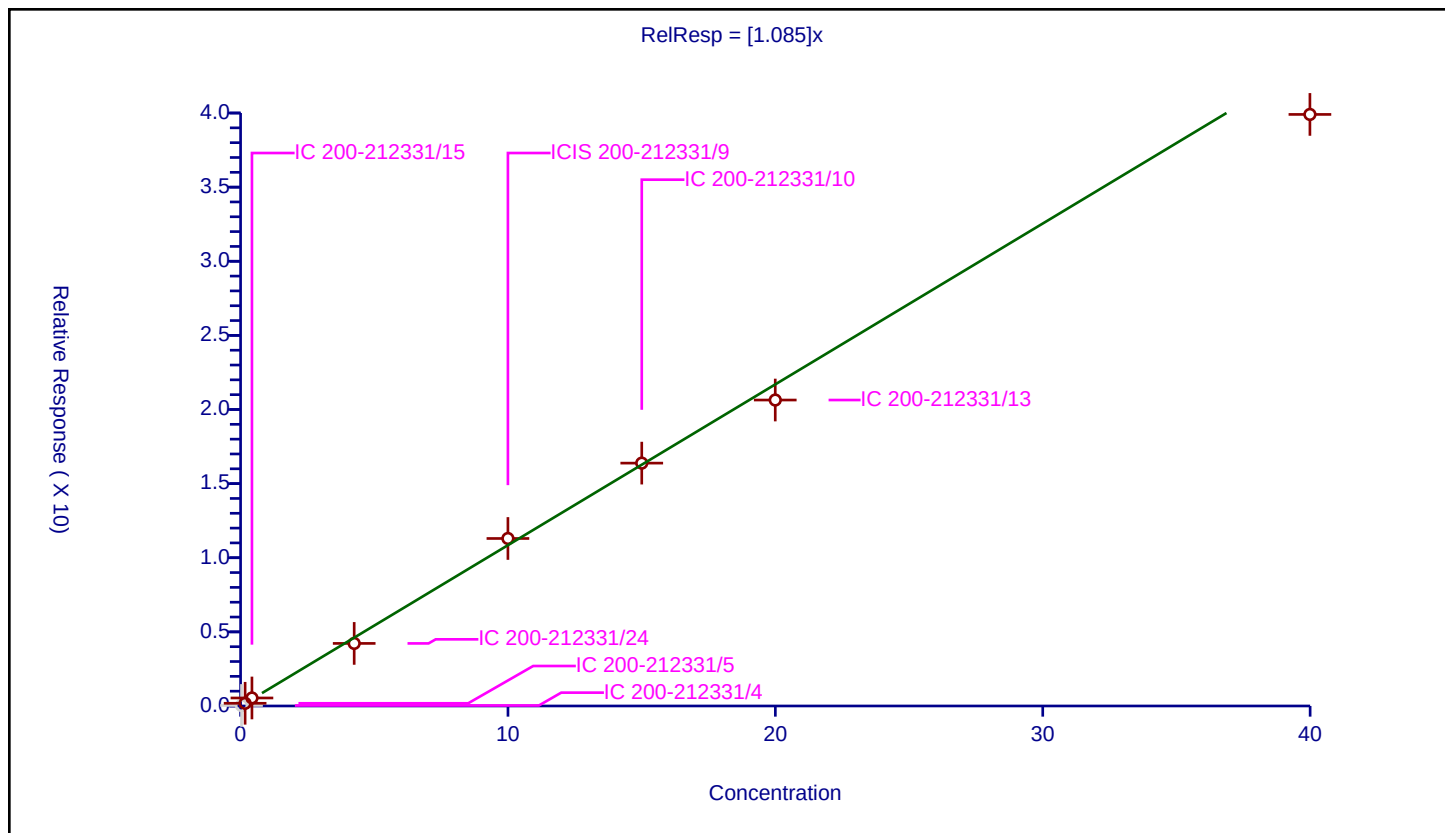
Curve Coefficients

Intercept: 0
Slope: 1.085

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.035433	10.0	1105198.0	1.010138	N
2	IC 200-212331/5	0.170374	0.183391	10.0	1120118.0	1.076407	Y
3	IC 200-212331/15	0.425385	0.541174	10.0	1327965.0	1.272199	Y
4	IC 200-212331/24	4.249175	4.220473	10.0	1421125.0	0.993245	Y
5	ICIS 200-212331/9	9.99806	11.299389	10.0	1121581.0	1.130158	Y
6	IC 200-212331/10	15.003557	16.38294	10.0	1199781.0	1.091937	Y
7	IC 200-212331/13	19.99612	20.638513	10.0	1287945.0	1.032126	Y
8	IC 200-212331/14	39.99224	39.904245	10.0	1373294.0	0.9978	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

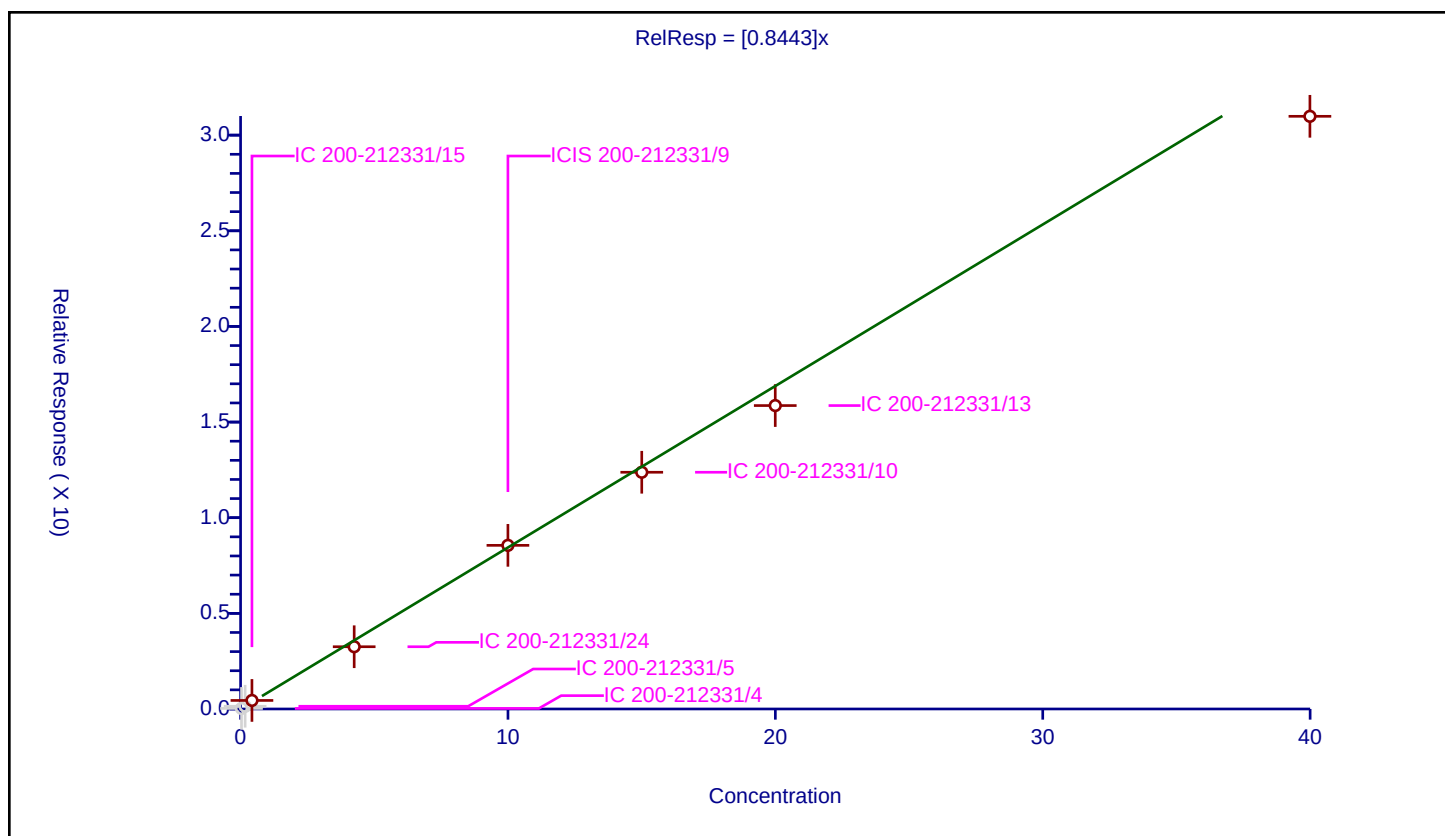
Curve Coefficients

Intercept: 0
Slope: 0.8443

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.029524	10.0	1105198.0	0.841696	N
2	IC 200-212331/5	0.170374	0.142521	10.0	1120118.0	0.836518	N
3	IC 200-212331/15	0.425385	0.447173	10.0	1327965.0	1.05122	Y
4	IC 200-212331/24	4.249175	3.253915	10.0	1421125.0	0.765776	Y
5	ICIS 200-212331/9	9.99806	8.555503	10.0	1121581.0	0.855716	Y
6	IC 200-212331/10	15.003557	12.375684	10.0	1199781.0	0.82485	Y
7	IC 200-212331/13	19.99612	15.862913	10.0	1287945.0	0.7933	Y
8	IC 200-212331/14	39.99224	30.984145	10.0	1373294.0	0.774754	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

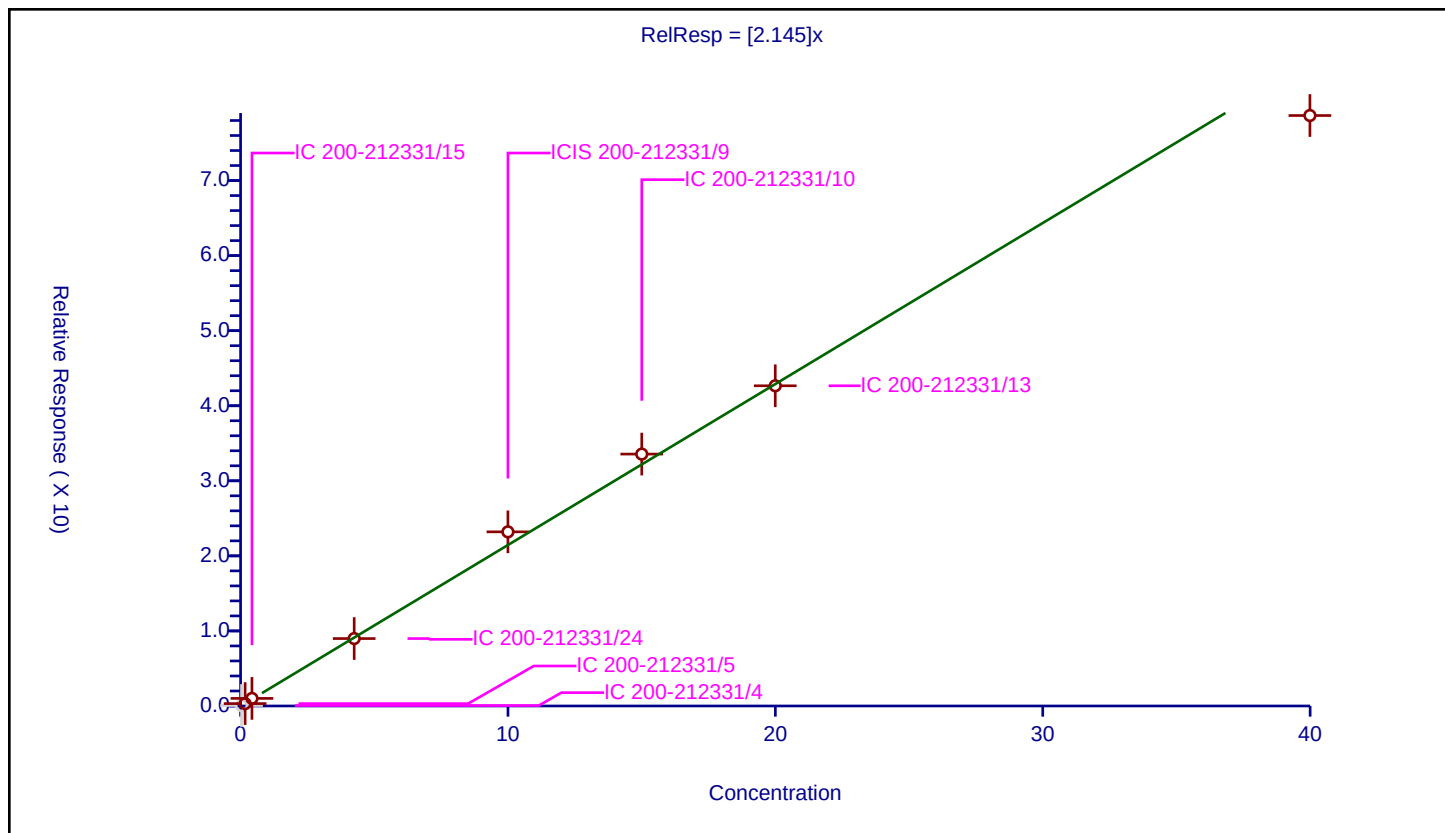
Curve Coefficients

Intercept: 0
Slope: 2.145

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.061156	10.0	1105198.0	1.743495	N
2	IC 200-212331/5	0.170374	0.318413	10.0	1120118.0	1.868908	Y
3	IC 200-212331/15	0.425385	1.009364	10.0	1327965.0	2.372826	Y
4	IC 200-212331/24	4.249175	8.983144	10.0	1421125.0	2.114091	Y
5	ICIS 200-212331/9	9.99806	23.200482	10.0	1121581.0	2.320498	Y
6	IC 200-212331/10	15.003557	33.559825	10.0	1199781.0	2.236791	Y
7	IC 200-212331/13	19.99612	42.659267	10.0	1287945.0	2.133377	Y
8	IC 200-212331/14	39.99224	78.666309	10.0	1373294.0	1.967039	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

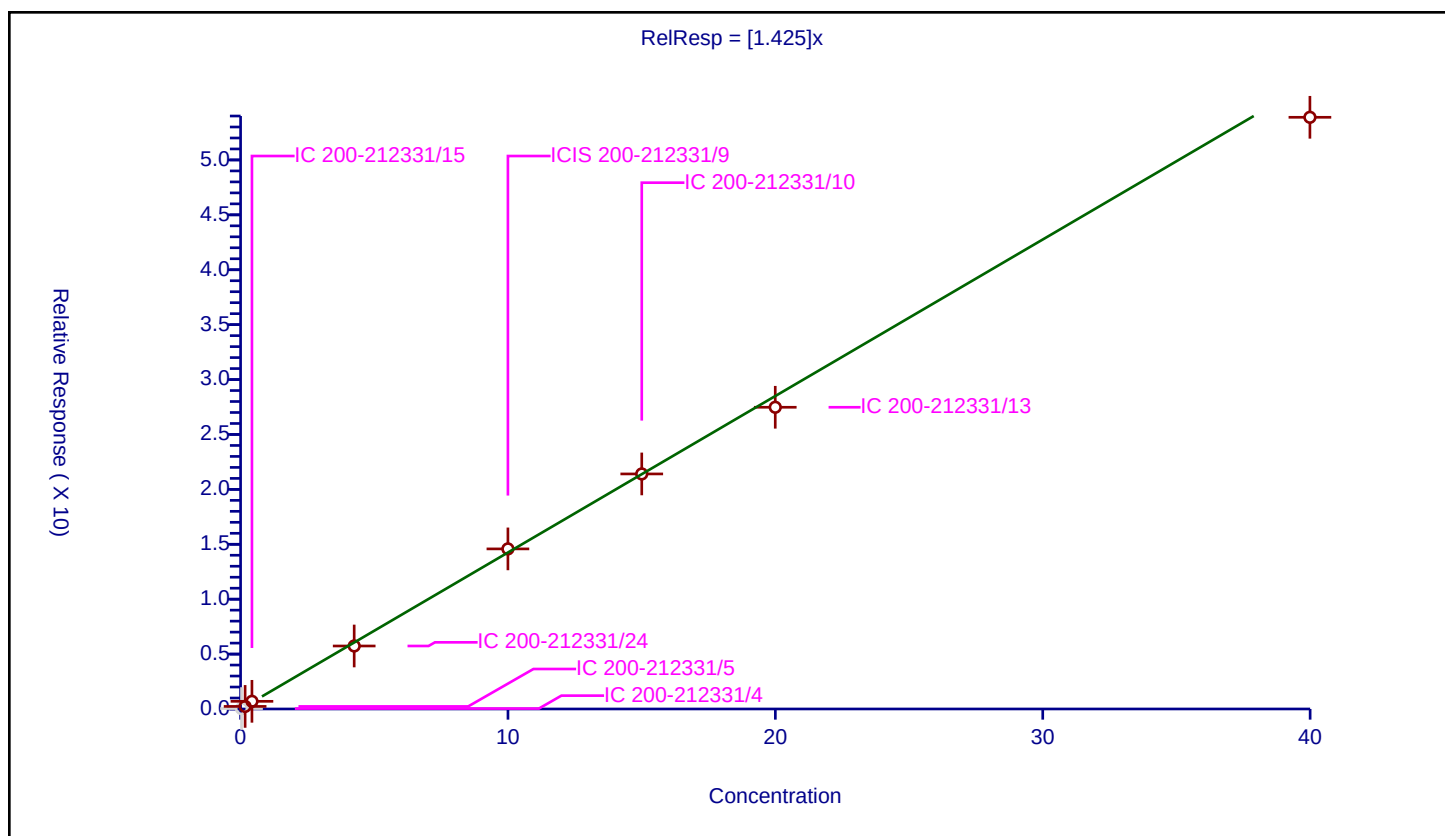
Curve Coefficients

Intercept: 0
Slope: 1.425

Error Coefficients

Relative Standard Deviation: 7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.04068	10.0	1105198.0	1.15975	N
2	IC 200-212331/5	0.170374	0.234449	10.0	1120118.0	1.376084	Y
3	IC 200-212331/15	0.425385	0.699062	10.0	1327965.0	1.643364	Y
4	IC 200-212331/24	4.249175	5.736645	10.0	1421125.0	1.350061	Y
5	ICIS 200-212331/9	9.99806	14.579812	10.0	1121581.0	1.458264	Y
6	IC 200-212331/10	15.003557	21.406482	10.0	1199781.0	1.42676	Y
7	IC 200-212331/13	19.99612	27.477097	10.0	1287945.0	1.374121	Y
8	IC 200-212331/14	39.99224	53.882308	10.0	1373294.0	1.347319	Y



Calibration

/ 4-Ethyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

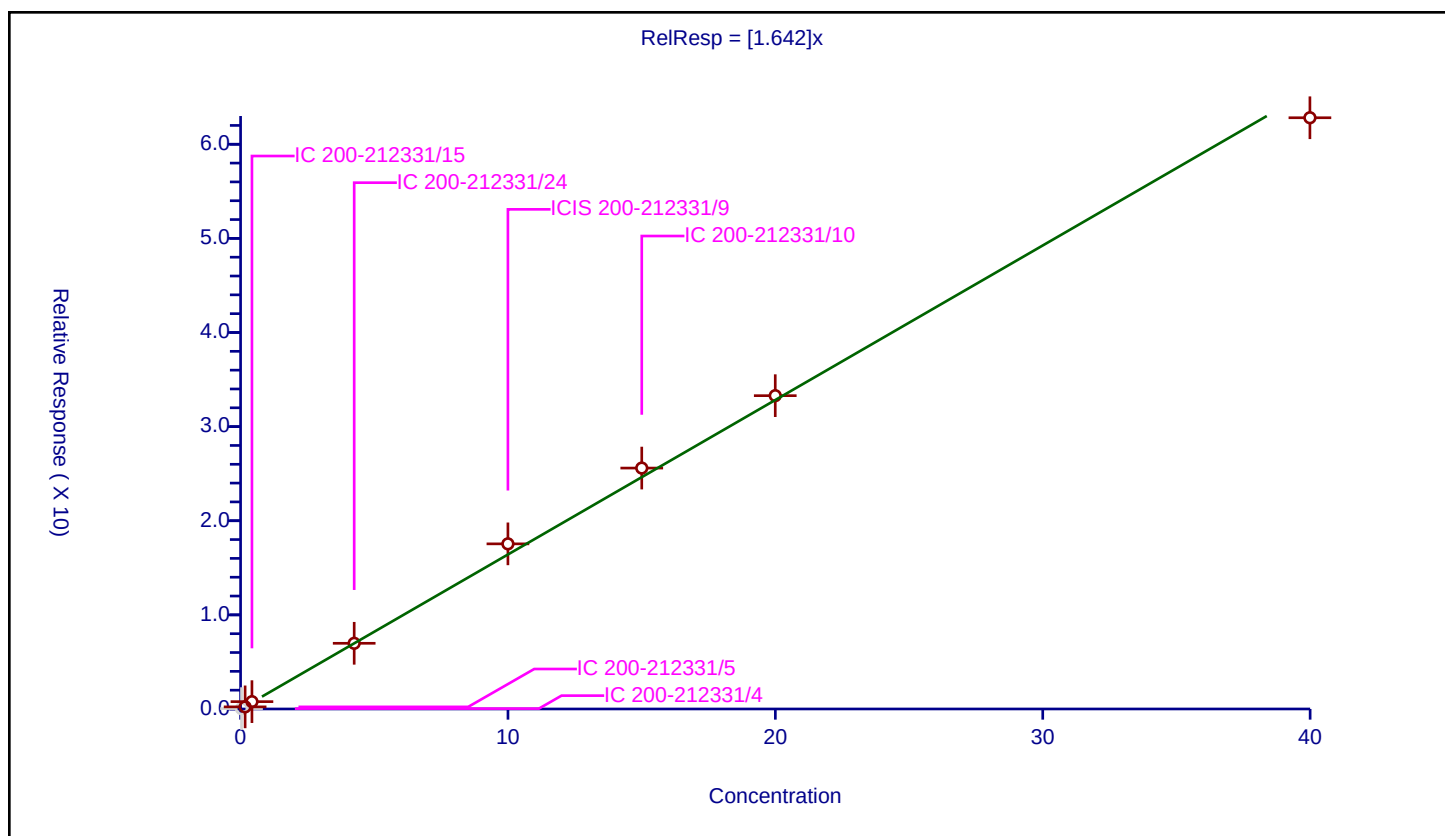
Curve Coefficients

Intercept: 0
Slope: 1.642

Error Coefficients

Relative Standard Deviation: 10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.040825	10.0	1105198.0	1.163878	N
2	IC 200-212331/5	0.170374	0.224807	10.0	1120118.0	1.319492	Y
3	IC 200-212331/15	0.425385	0.779508	10.0	1327965.0	1.832479	Y
4	IC 200-212331/24	4.249175	6.97883	10.0	1421125.0	1.642396	Y
5	ICIS 200-212331/9	9.99806	17.54567	10.0	1121581.0	1.754907	Y
6	IC 200-212331/10	15.003557	25.595404	10.0	1199781.0	1.705956	Y
7	IC 200-212331/13	19.99612	33.288207	10.0	1287945.0	1.664733	Y
8	IC 200-212331/14	39.99224	62.816731	10.0	1373294.0	1.570723	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

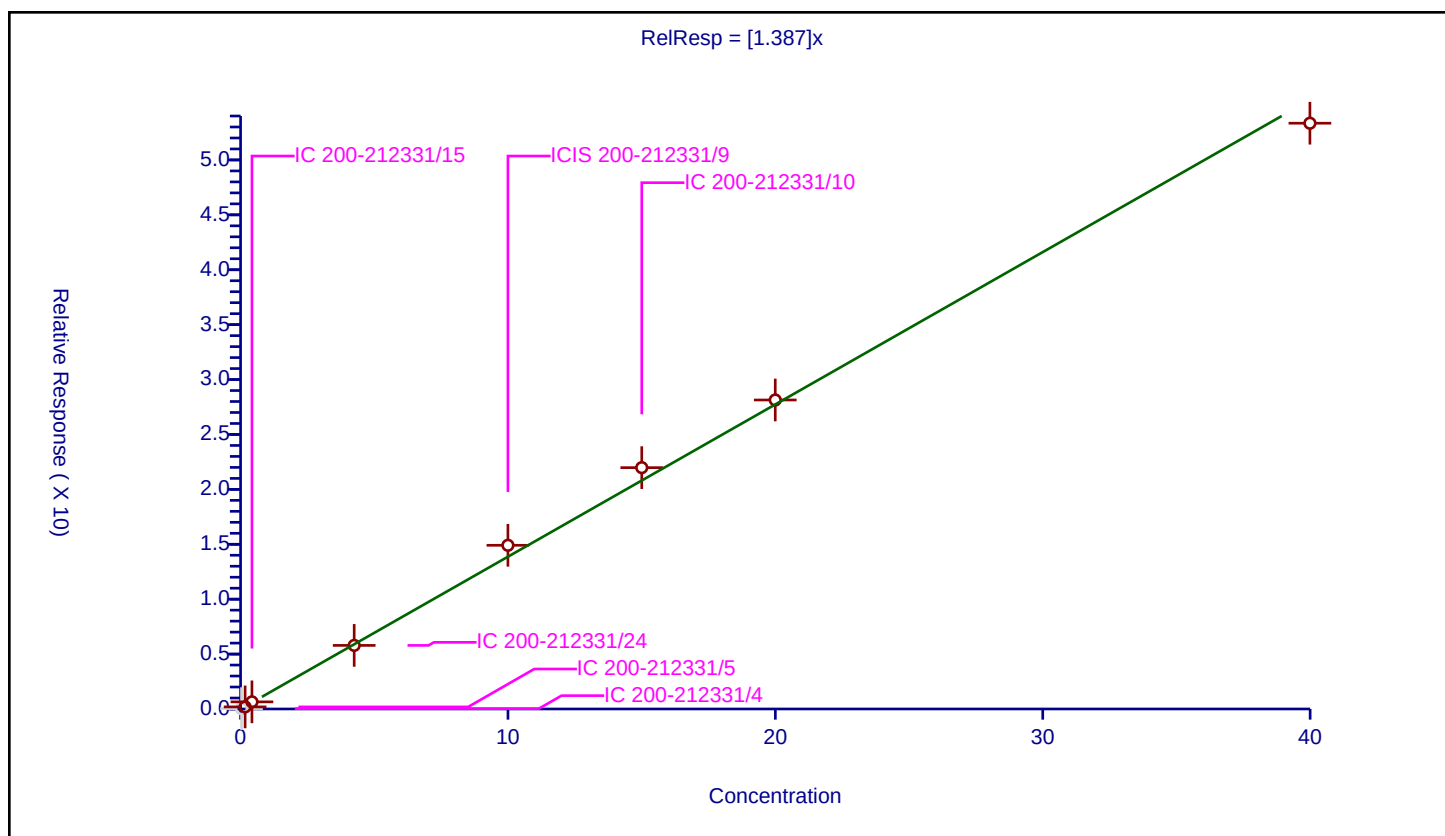
Curve Coefficients

Intercept: 0
Slope: 1.387

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.033279	10.0	1105198.0	0.948746	N
2	IC 200-212331/5	0.170374	0.191007	10.0	1120118.0	1.121104	Y
3	IC 200-212331/15	0.425385	0.649633	10.0	1327965.0	1.527166	Y
4	IC 200-212331/24	4.249175	5.790617	10.0	1421125.0	1.362762	Y
5	ICIS 200-212331/9	9.99806	14.90751	10.0	1121581.0	1.49104	Y
6	IC 200-212331/10	15.003557	21.978353	10.0	1199781.0	1.464876	Y
7	IC 200-212331/13	19.99612	28.138826	10.0	1287945.0	1.407214	Y
8	IC 200-212331/14	39.99224	53.344324	10.0	1373294.0	1.333867	Y



Calibration

/ n-Decane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

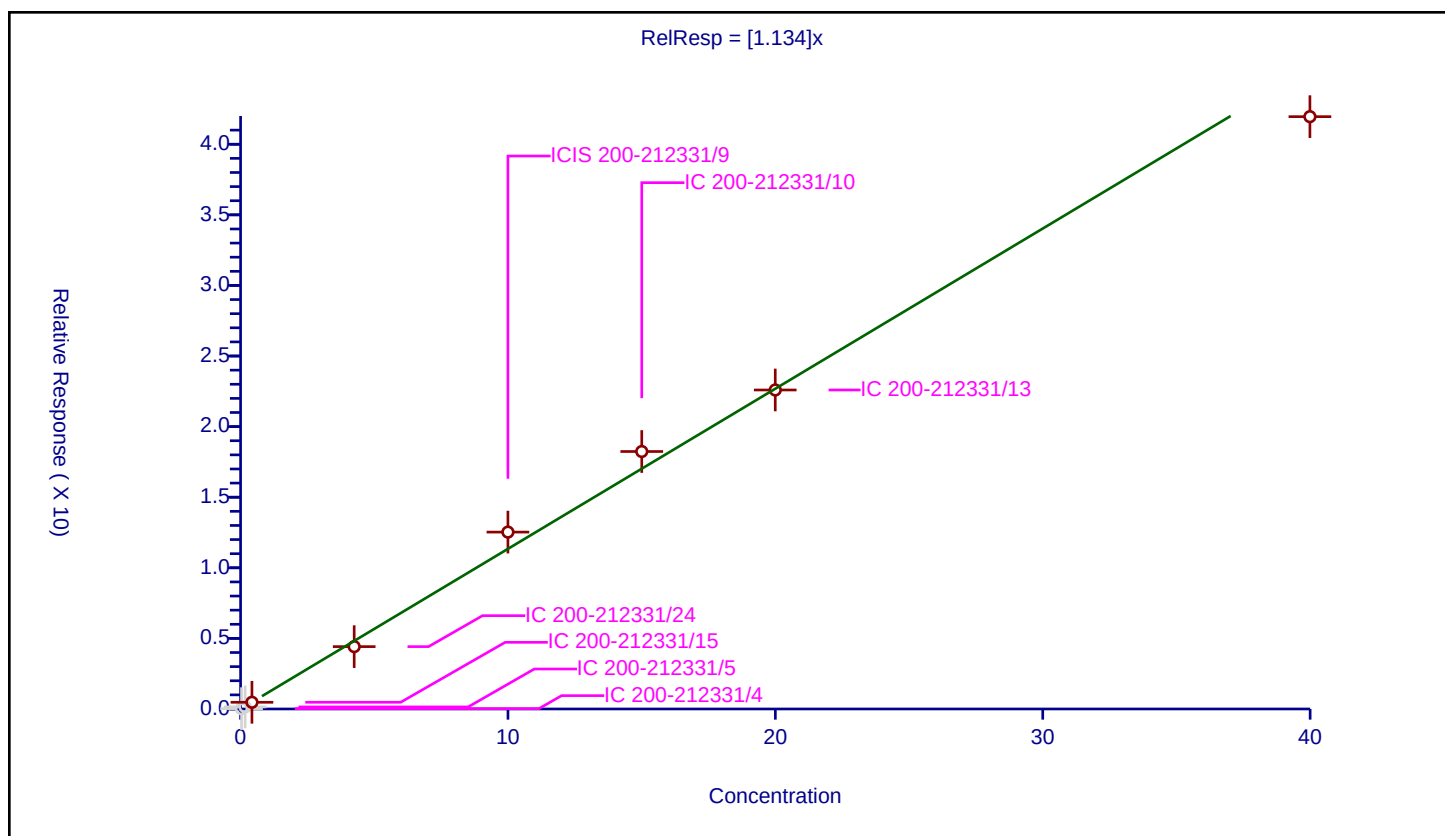
Curve Coefficients

Intercept: 0
Slope: 1.134

Error Coefficients

Relative Standard Deviation: 7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.023788	10.0	1105198.0	0.678155	N
2	IC 200-212331/5	0.170374	0.145877	10.0	1120118.0	0.856221	N
3	IC 200-212331/15	0.425385	0.475766	10.0	1327965.0	1.118436	Y
4	IC 200-212331/24	4.249175	4.417141	10.0	1421125.0	1.039529	Y
5	ICIS 200-212331/9	9.99806	12.52926	10.0	1121581.0	1.253169	Y
6	IC 200-212331/10	15.003557	18.238045	10.0	1199781.0	1.215581	Y
7	IC 200-212331/13	19.99612	22.594567	10.0	1287945.0	1.129948	Y
8	IC 200-212331/14	39.99224	41.954279	10.0	1373294.0	1.049061	Y



Calibration

/ Alpha Methyl Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

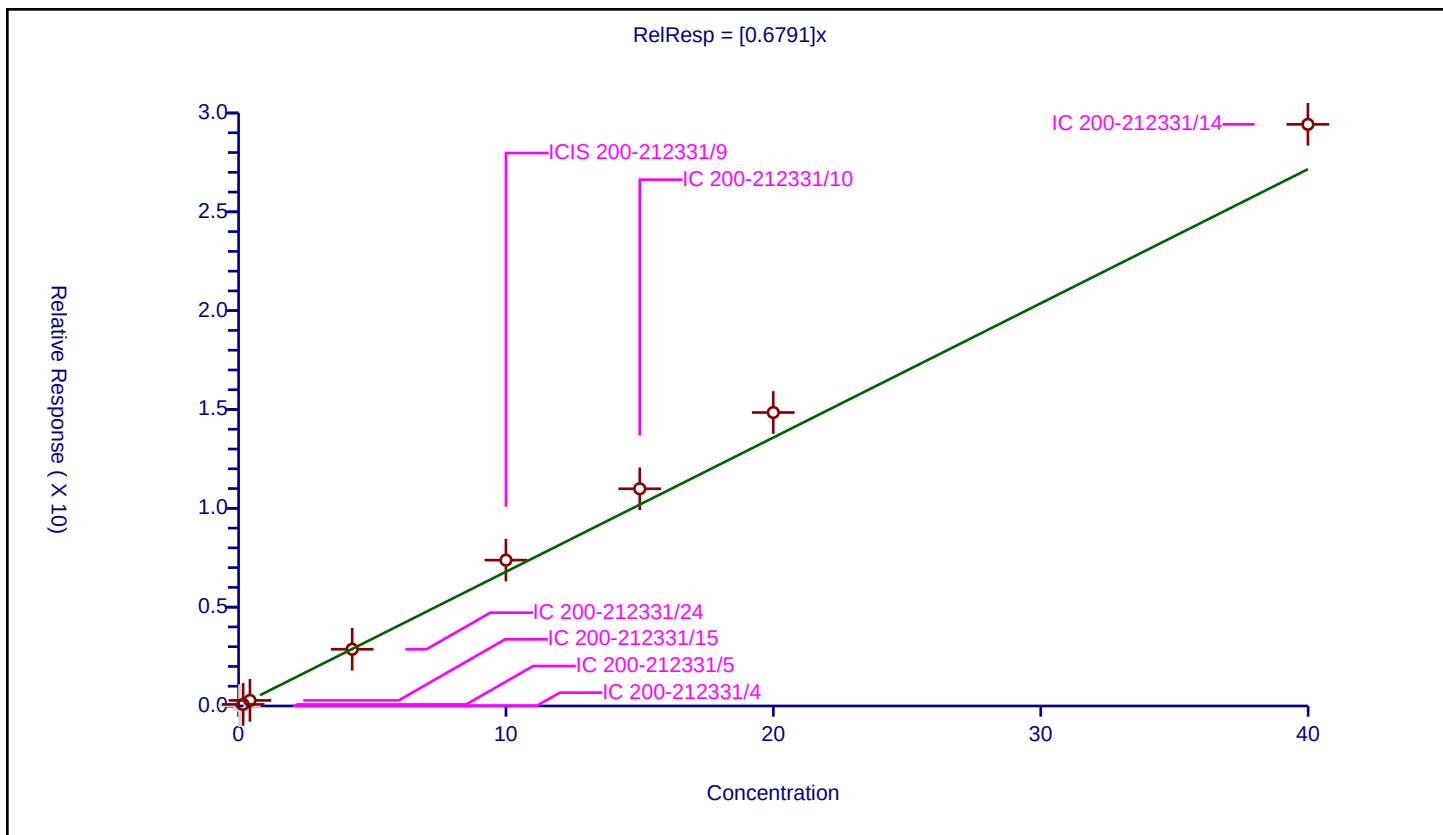
Curve Coefficients

Intercept: 0
 Slope: 0.6791

Error Coefficients

Relative Standard Deviation: 14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.014341	10.0	1105198.0	0.408853	N
2	IC 200-212331/5	0.170374	0.079233	10.0	1120118.0	0.465053	Y
3	IC 200-212331/15	0.425385	0.2825	10.0	1327965.0	0.664105	Y
4	IC 200-212331/24	4.249175	2.870719	10.0	1421125.0	0.675594	Y
5	ICIS 200-212331/9	9.99806	7.379128	10.0	1121581.0	0.738056	Y
6	IC 200-212331/10	15.003557	10.988697	10.0	1199781.0	0.732406	Y
7	IC 200-212331/13	19.99612	14.847327	10.0	1287945.0	0.74251	Y
8	IC 200-212331/14	39.99224	29.425979	10.0	1373294.0	0.735792	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

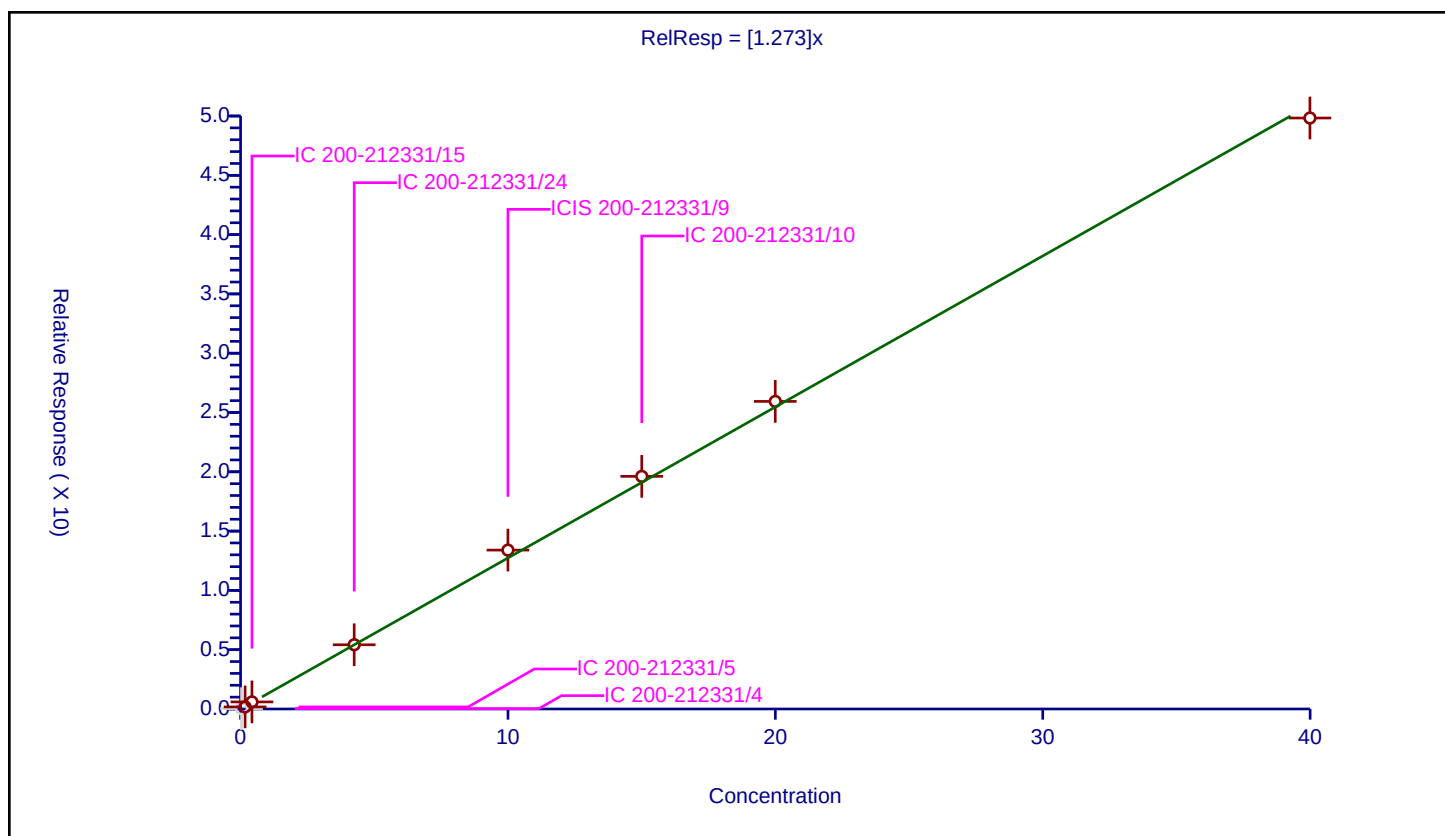
Curve Coefficients

Intercept: 0
Slope: 1.273

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.030528	10.0	1105198.0	0.870329	N
2	IC 200-212331/5	0.170374	0.177624	10.0	1120118.0	1.042556	Y
3	IC 200-212331/15	0.425385	0.597787	10.0	1327965.0	1.405285	Y
4	IC 200-212331/24	4.249175	5.416385	10.0	1421125.0	1.274691	Y
5	ICIS 200-212331/9	9.99806	13.398872	10.0	1121581.0	1.340147	Y
6	IC 200-212331/10	15.003557	19.61493	10.0	1199781.0	1.307352	Y
7	IC 200-212331/13	19.99612	25.936635	10.0	1287945.0	1.297083	Y
8	IC 200-212331/14	39.99224	49.831879	10.0	1373294.0	1.246039	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

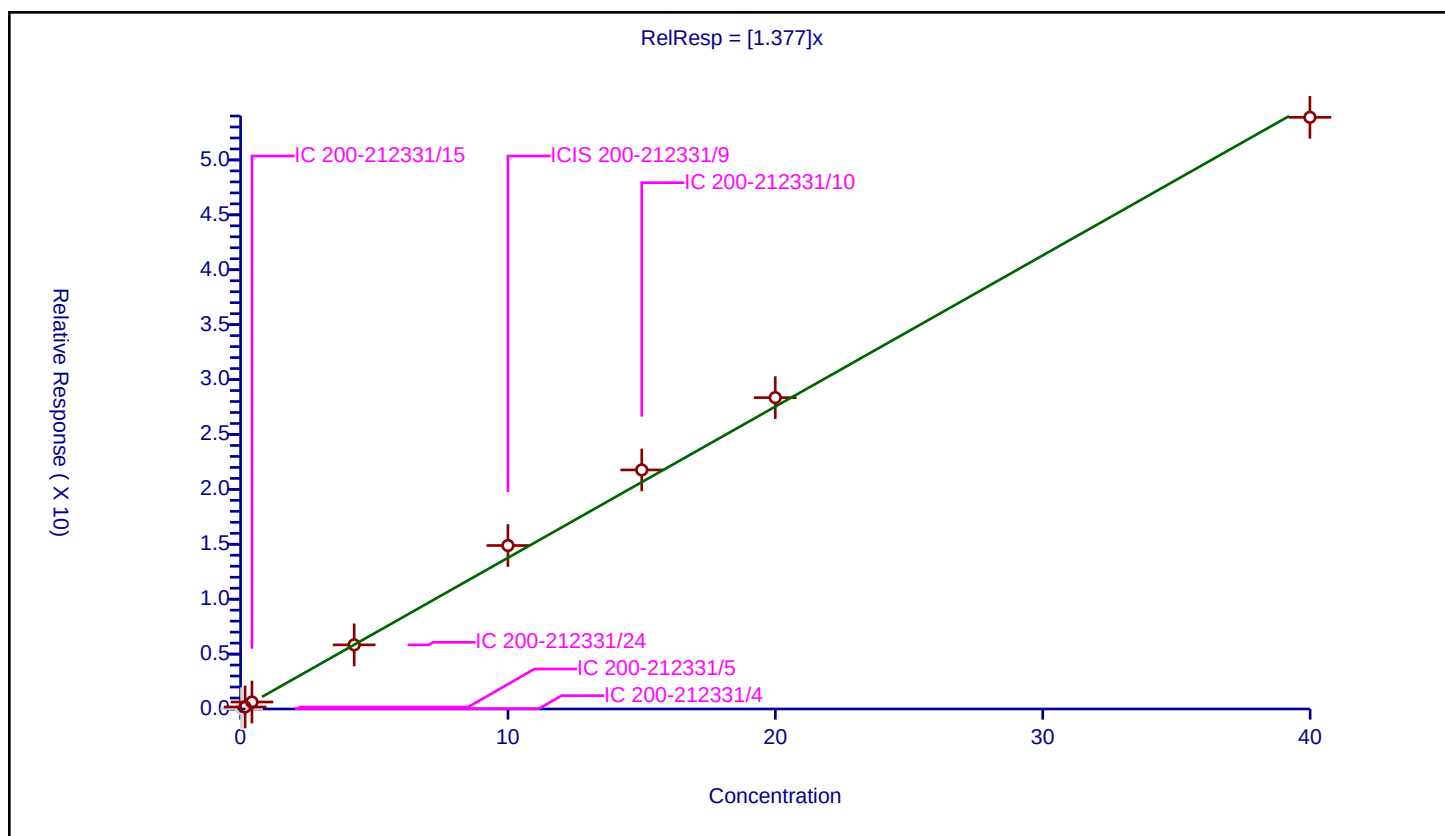
Curve Coefficients

Intercept: 0
Slope: 1.377

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.031406	10.0	1105198.0	0.89535	N
2	IC 200-212331/5	0.170374	0.181427	10.0	1120118.0	1.064879	Y
3	IC 200-212331/15	0.425385	0.635755	10.0	1327965.0	1.494541	Y
4	IC 200-212331/24	4.249175	5.839092	10.0	1421125.0	1.374171	Y
5	ICIS 200-212331/9	9.99806	14.886486	10.0	1121581.0	1.488937	Y
6	IC 200-212331/10	15.003557	21.76899	10.0	1199781.0	1.450922	Y
7	IC 200-212331/13	19.99612	28.354246	10.0	1287945.0	1.417987	Y
8	IC 200-212331/14	39.99224	53.881332	10.0	1373294.0	1.347295	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

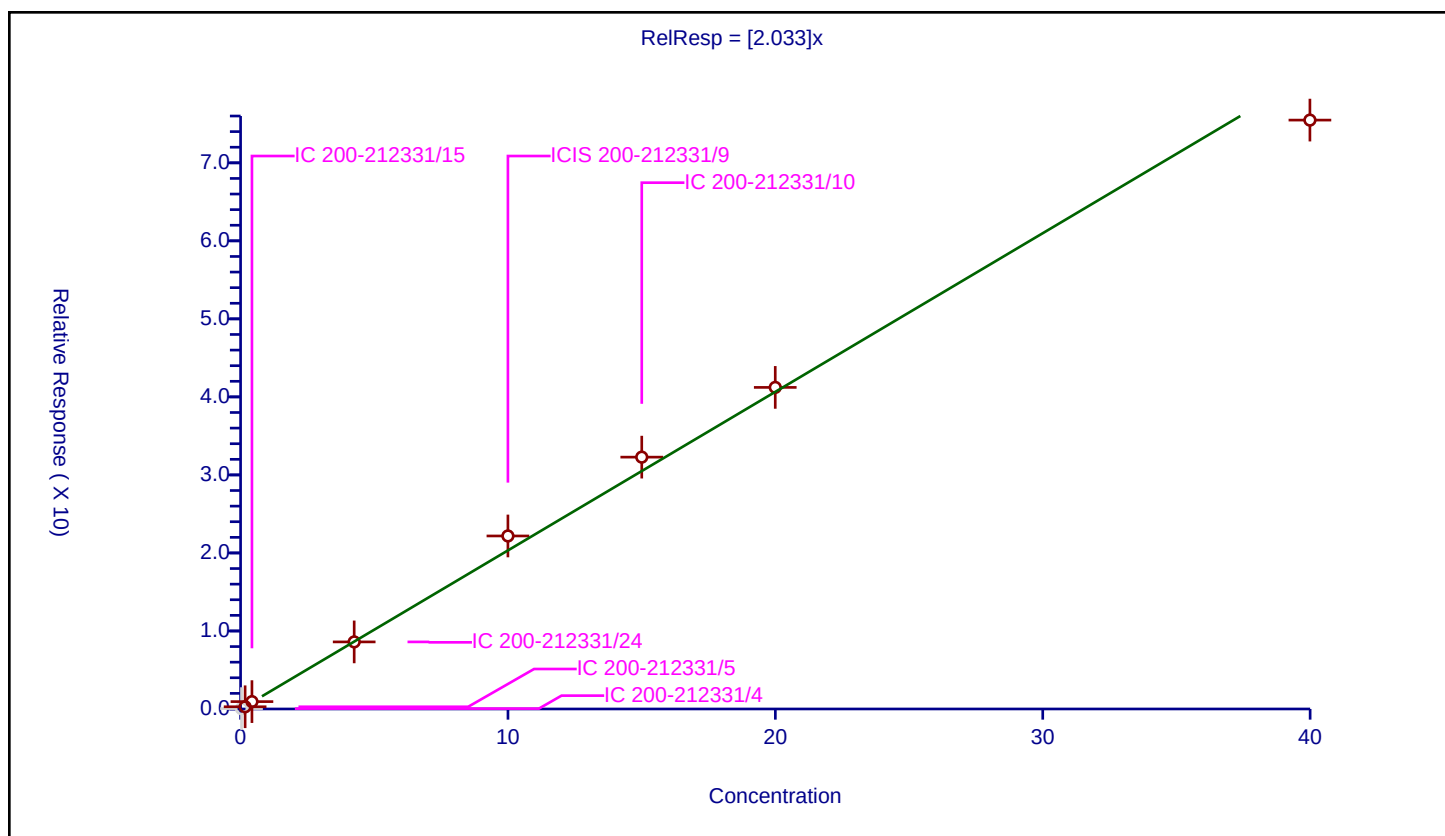
Curve Coefficients

Intercept: 0
Slope: 2.033

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.049213	10.0	1105198.0	1.402999	N
2	IC 200-212331/5	0.170374	0.283667	10.0	1120118.0	1.664967	Y
3	IC 200-212331/15	0.425385	0.94501	10.0	1327965.0	2.221542	Y
4	IC 200-212331/24	4.249175	8.599124	10.0	1421125.0	2.023716	Y
5	ICIS 200-212331/9	9.99806	22.17748	10.0	1121581.0	2.218178	Y
6	IC 200-212331/10	15.003557	32.279074	10.0	1199781.0	2.151428	Y
7	IC 200-212331/13	19.99612	41.215844	10.0	1287945.0	2.061192	Y
8	IC 200-212331/14	39.99224	75.476038	10.0	1373294.0	1.887267	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

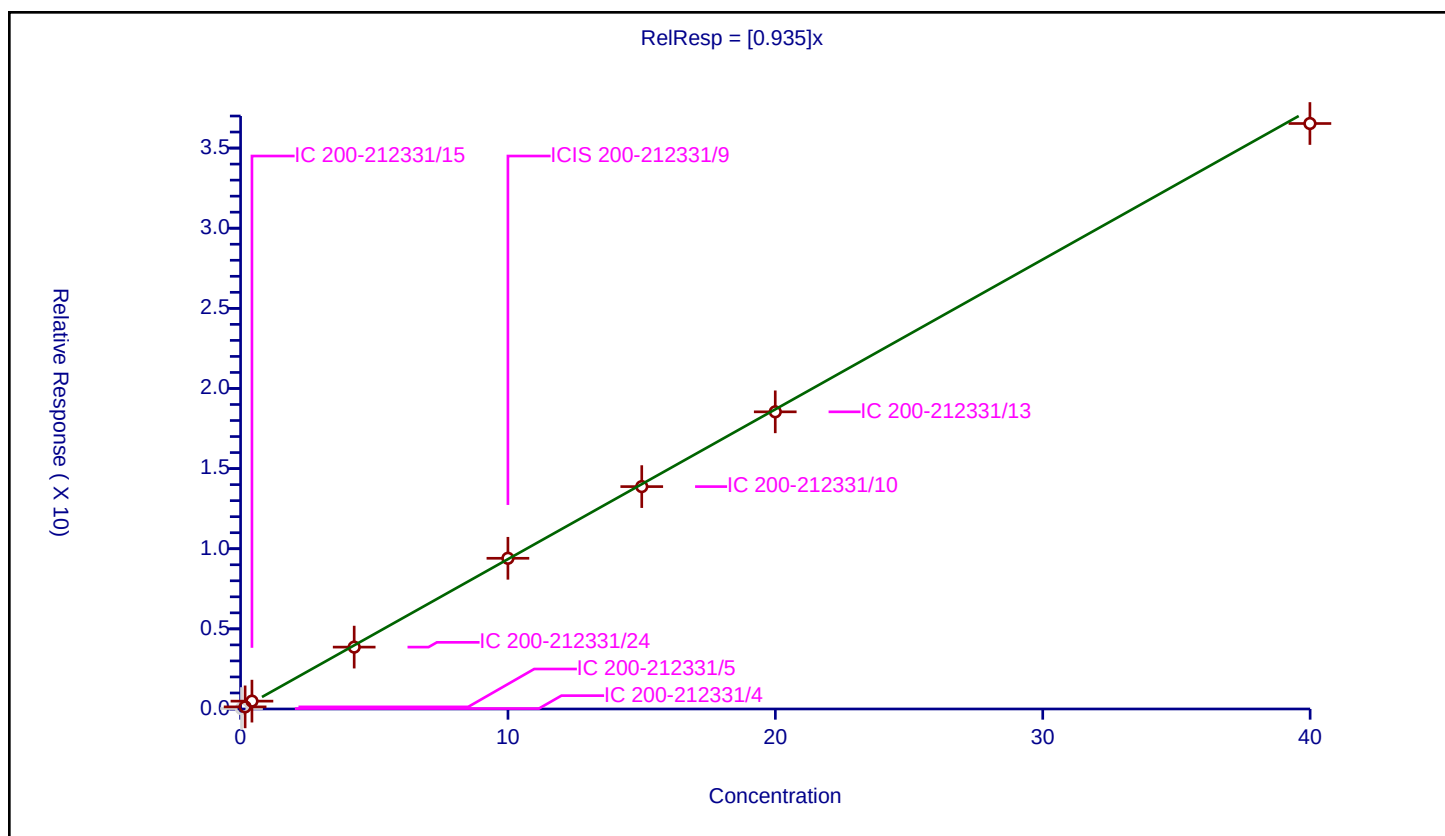
Curve Coefficients

Intercept: 0
Slope: 0.935

Error Coefficients

Relative Standard Deviation: 11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.0269	10.0	1105198.0	0.76689	N
2	IC 200-212331/5	0.170374	0.132495	10.0	1120118.0	0.777673	Y
3	IC 200-212331/15	0.425385	0.490224	10.0	1327965.0	1.152425	Y
4	IC 200-212331/24	4.249175	3.860751	10.0	1421125.0	0.908588	Y
5	ICIS 200-212331/9	9.99806	9.402914	10.0	1121581.0	0.940474	Y
6	IC 200-212331/10	15.003557	13.876716	10.0	1199781.0	0.924895	Y
7	IC 200-212331/13	19.99612	18.541708	10.0	1287945.0	0.927265	Y
8	IC 200-212331/14	39.99224	36.531784	10.0	1373294.0	0.913472	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

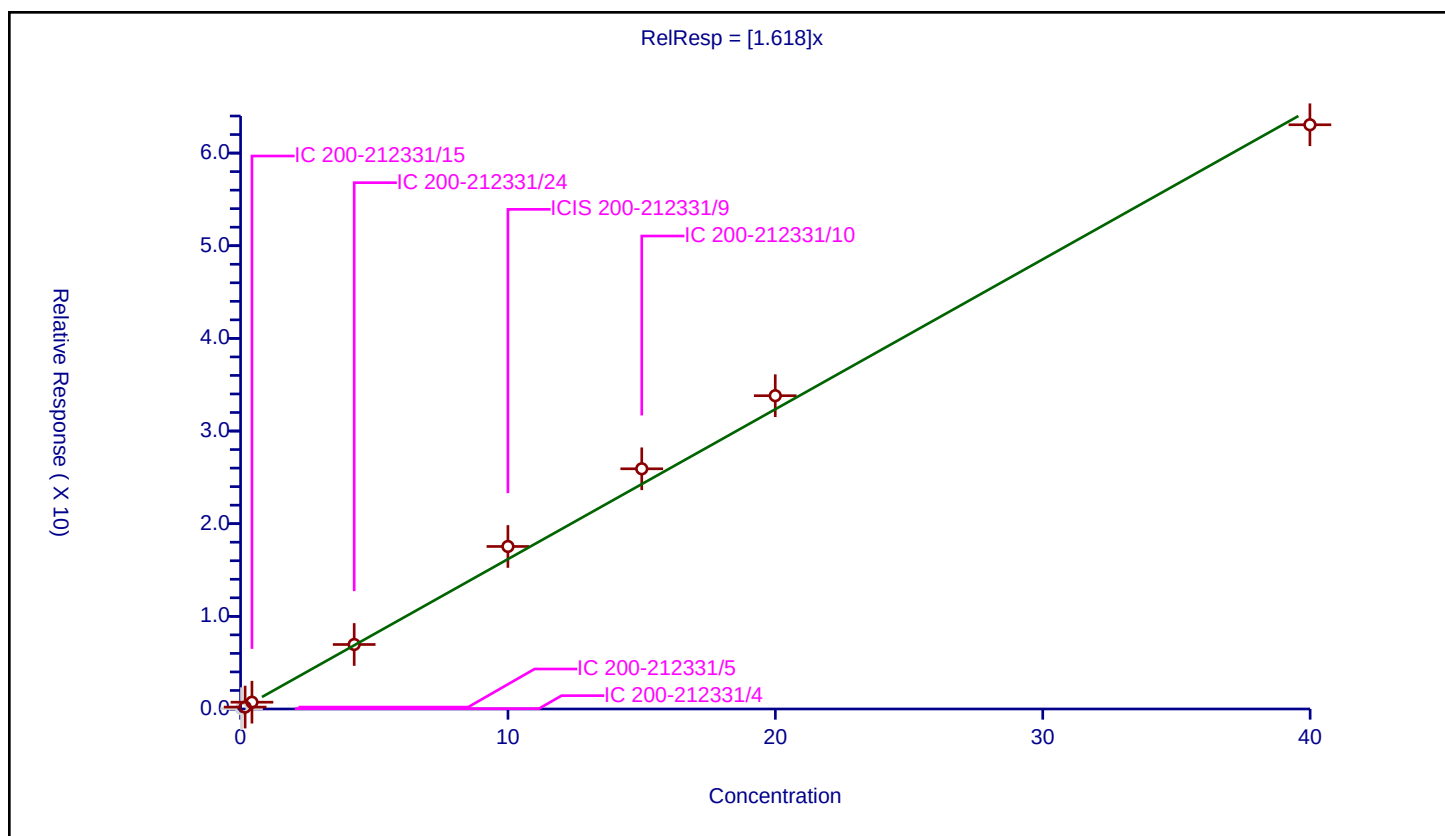
Curve Coefficients

Intercept: 0
Slope: 1.618

Error Coefficients

Relative Standard Deviation: 11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.036826	10.0	1105198.0	1.049863	N
2	IC 200-212331/5	0.170374	0.206898	10.0	1120118.0	1.214377	Y
3	IC 200-212331/15	0.425385	0.732248	10.0	1327965.0	1.721379	Y
4	IC 200-212331/24	4.249175	6.961822	10.0	1421125.0	1.638394	Y
5	ICIS 200-212331/9	9.99806	17.541212	10.0	1121581.0	1.754462	Y
6	IC 200-212331/10	15.003557	25.924265	10.0	1199781.0	1.727875	Y
7	IC 200-212331/13	19.99612	33.813835	10.0	1287945.0	1.69102	Y
8	IC 200-212331/14	39.99224	63.055813	10.0	1373294.0	1.576701	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

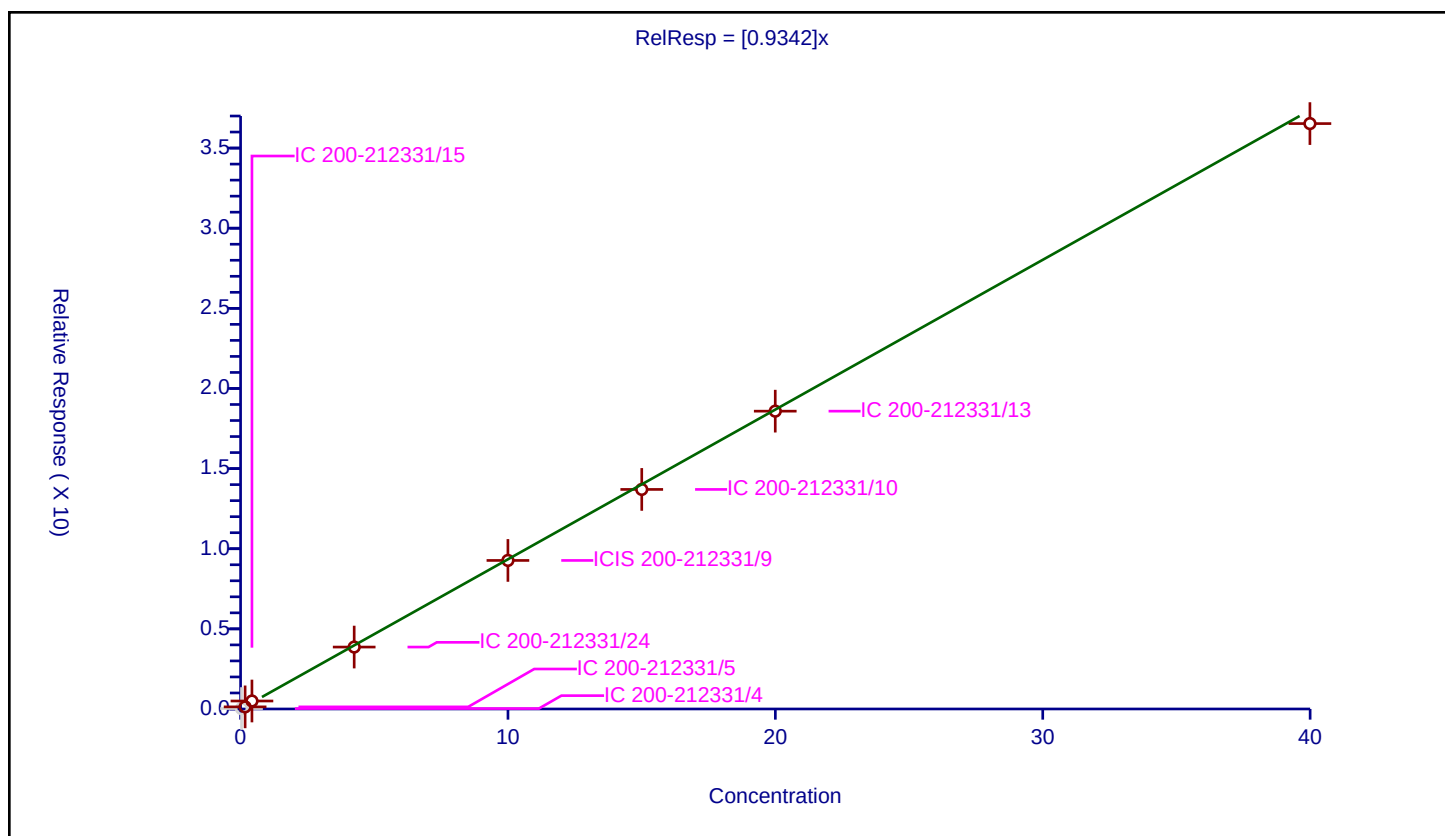
Curve Coefficients

Intercept: 0
Slope: 0.9342

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.027181	10.0	1105198.0	0.774887	N
2	IC 200-212331/5	0.170374	0.13212	10.0	1120118.0	0.775472	Y
3	IC 200-212331/15	0.425385	0.498198	10.0	1327965.0	1.171171	Y
4	IC 200-212331/24	4.249175	3.865198	10.0	1421125.0	0.909635	Y
5	ICIS 200-212331/9	9.99806	9.269567	10.0	1121581.0	0.927137	Y
6	IC 200-212331/10	15.003557	13.699867	10.0	1199781.0	0.913108	Y
7	IC 200-212331/13	19.99612	18.584163	10.0	1287945.0	0.929388	Y
8	IC 200-212331/14	39.99224	36.527772	10.0	1373294.0	0.913372	Y



Calibration

/ Benzyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

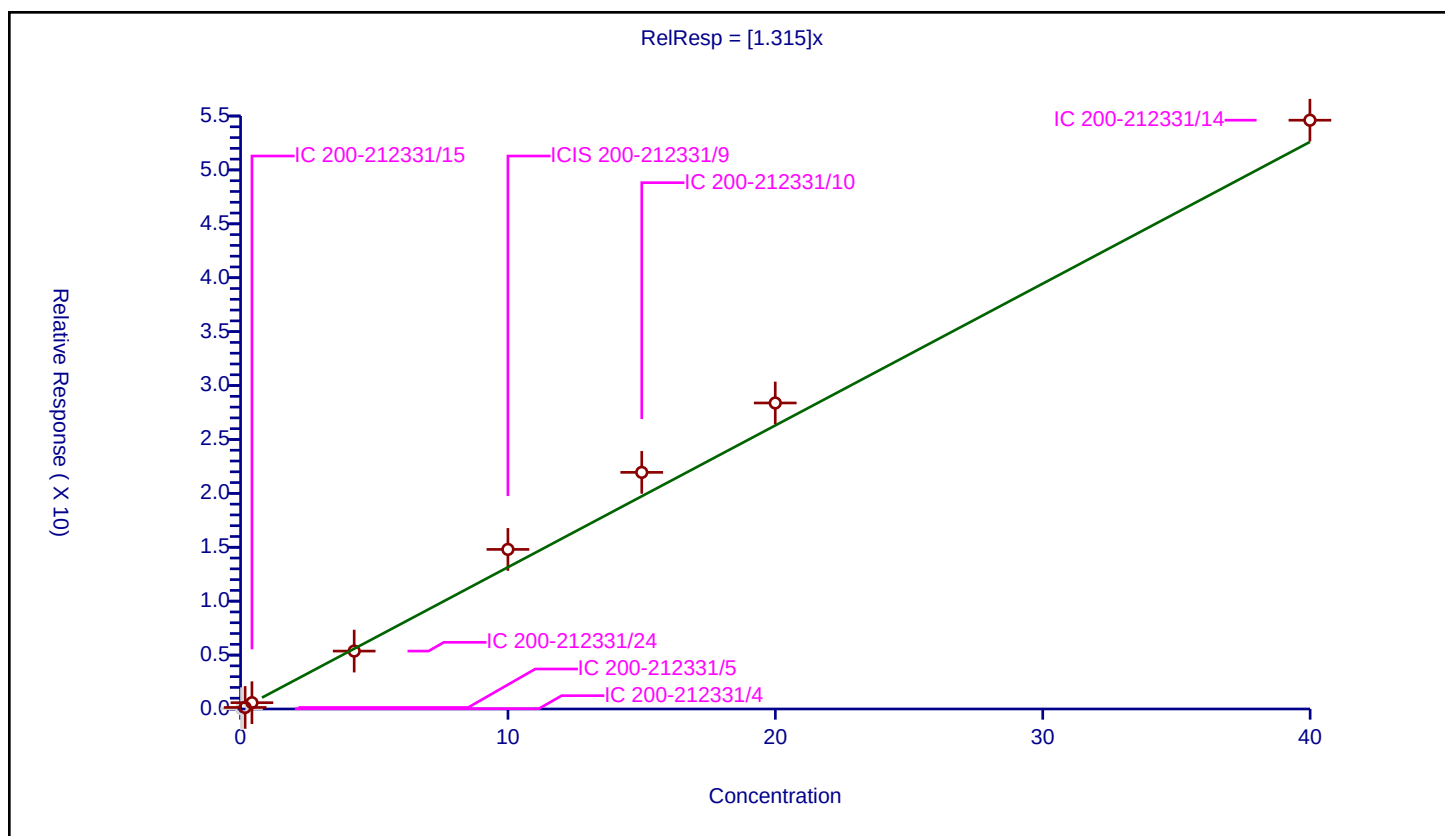
Curve Coefficients

Intercept: 0
Slope: 1.315

Error Coefficients

Relative Standard Deviation: 16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.027271	10.0	1105198.0	0.777466	N
2	IC 200-212331/5	0.170374	0.142896	10.0	1120118.0	0.838719	Y
3	IC 200-212331/15	0.425385	0.584835	10.0	1327965.0	1.374837	Y
4	IC 200-212331/24	4.249175	5.371456	10.0	1421125.0	1.264117	Y
5	ICIS 200-212331/9	9.99806	14.801873	10.0	1121581.0	1.480475	Y
6	IC 200-212331/10	15.003557	21.946555	10.0	1199781.0	1.462757	Y
7	IC 200-212331/13	19.99612	28.383099	10.0	1287945.0	1.41943	Y
8	IC 200-212331/14	39.99224	54.610906	10.0	1373294.0	1.365538	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

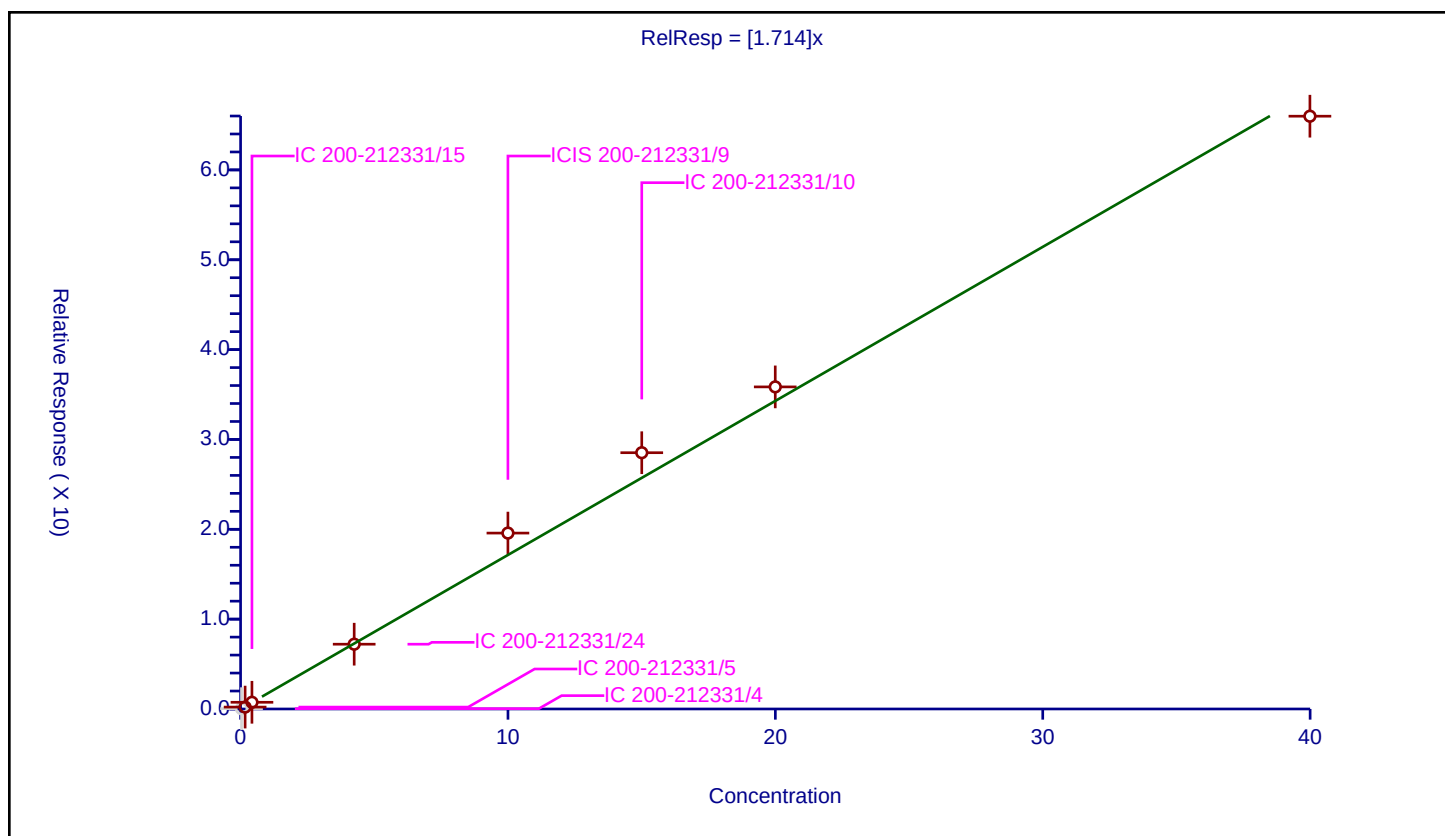
Curve Coefficients

Intercept: 0
 Slope: 1.714

Error Coefficients

Relative Standard Deviation: 13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.037052	10.0	1105198.0	1.056312	N
2	IC 200-212331/5	0.170374	0.212442	10.0	1120118.0	1.246917	Y
3	IC 200-212331/15	0.425385	0.74645	10.0	1327965.0	1.754766	Y
4	IC 200-212331/24	4.249175	7.211498	10.0	1421125.0	1.697152	Y
5	ICIS 200-212331/9	9.99806	19.57946	10.0	1121581.0	1.958326	Y
6	IC 200-212331/10	15.003557	28.526081	10.0	1199781.0	1.901288	Y
7	IC 200-212331/13	19.99612	35.848914	10.0	1287945.0	1.792794	Y
8	IC 200-212331/14	39.99224	65.980256	10.0	1373294.0	1.649826	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

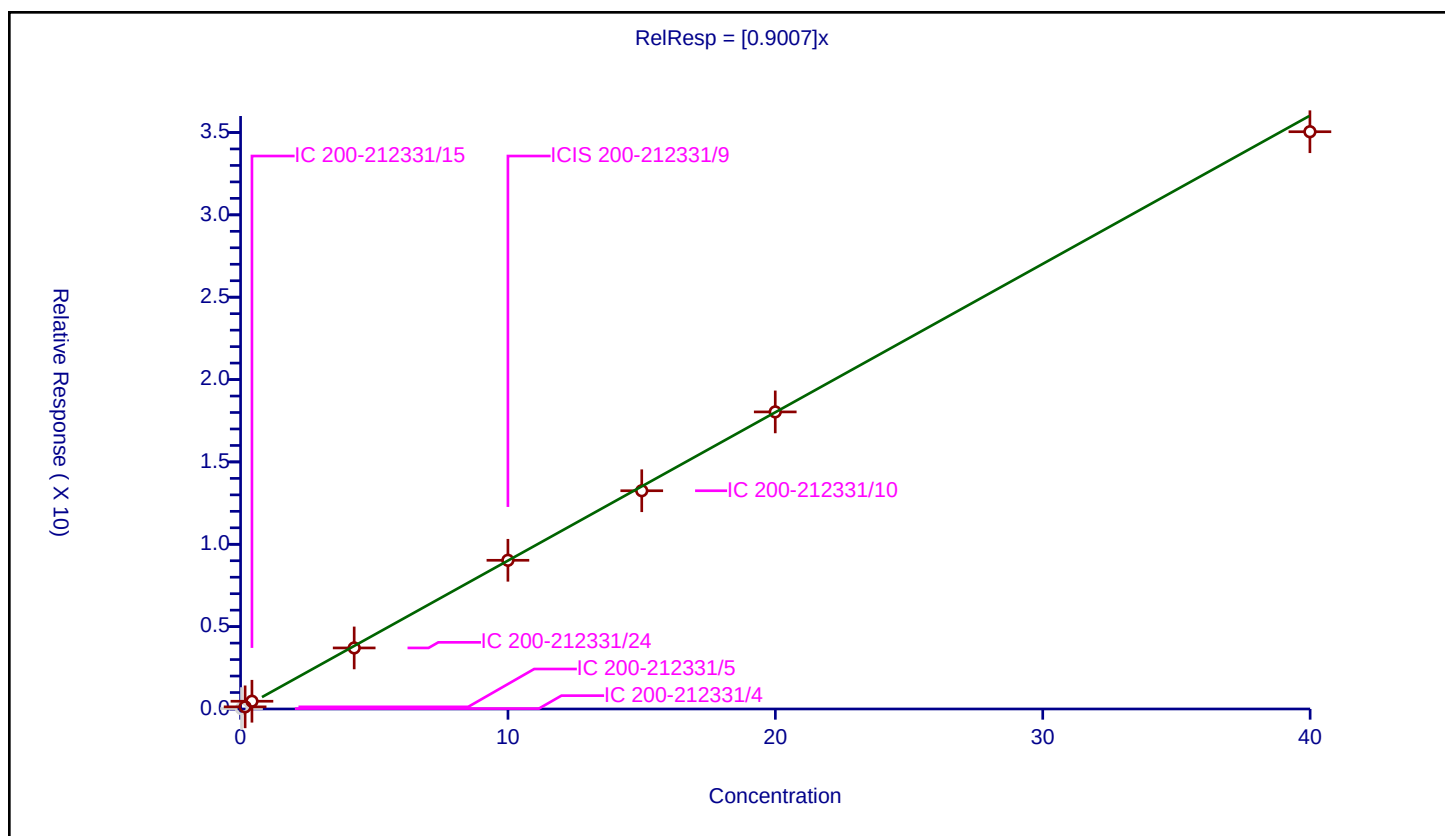
Curve Coefficients

Intercept: 0
Slope: 0.9007

Error Coefficients

Relative Standard Deviation: 11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.025471	10.0	1105198.0	0.726134	N
2	IC 200-212331/5	0.170374	0.129647	10.0	1120118.0	0.760957	Y
3	IC 200-212331/15	0.425385	0.471052	10.0	1327965.0	1.107354	Y
4	IC 200-212331/24	4.249175	3.706711	10.0	1421125.0	0.872337	Y
5	ICIS 200-212331/9	9.99806	9.028327	10.0	1121581.0	0.903008	Y
6	IC 200-212331/10	15.003557	13.250318	10.0	1199781.0	0.883145	Y
7	IC 200-212331/13	19.99612	18.036174	10.0	1287945.0	0.901984	Y
8	IC 200-212331/14	39.99224	35.046654	10.0	1373294.0	0.876336	Y



Calibration

/ Undecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

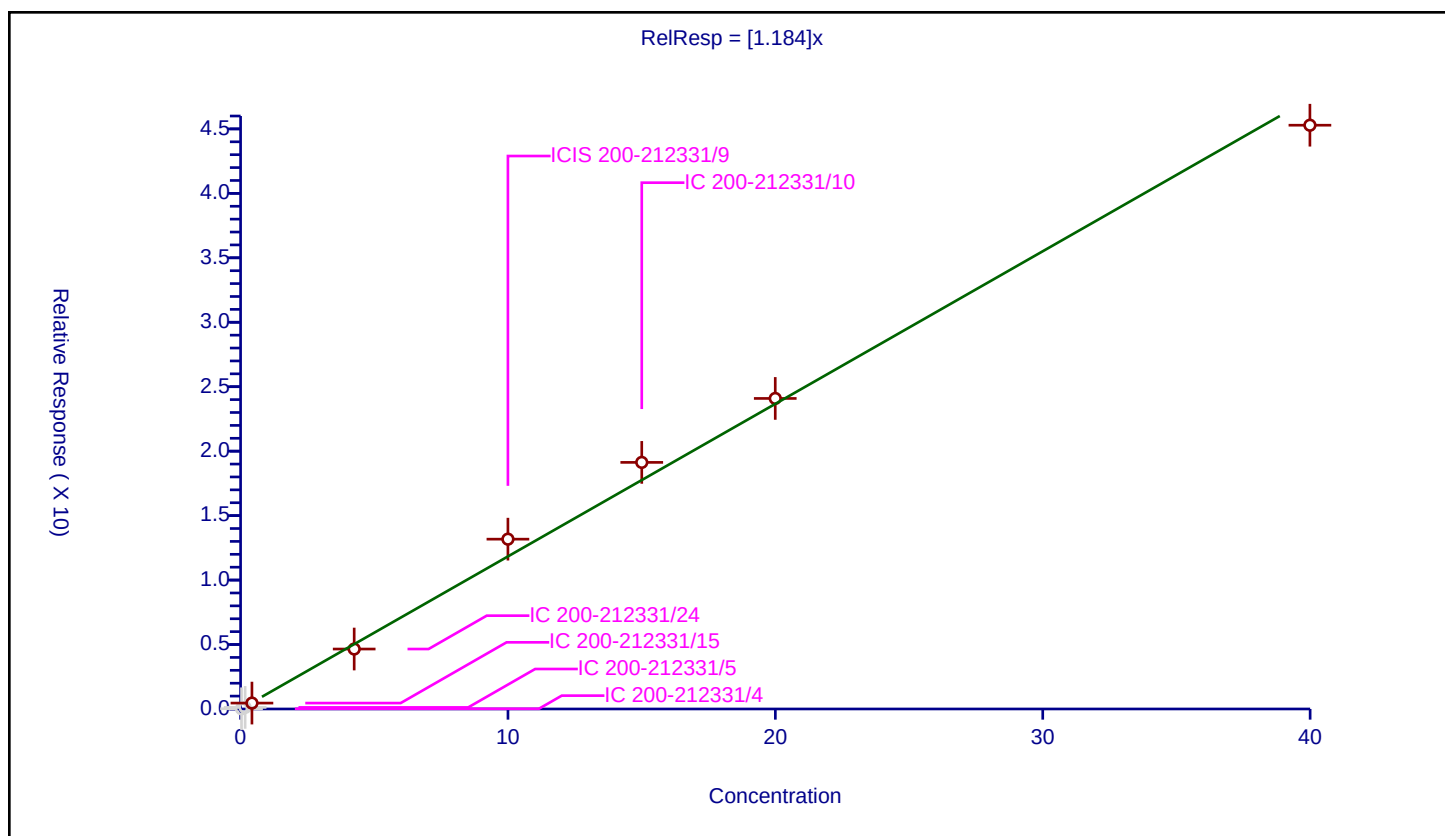
Curve Coefficients

Intercept: 0
Slope: 1.184

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.018142	10.0	1105198.0	0.517193	N
2	IC 200-212331/5	0.170374	0.122907	10.0	1120118.0	0.721395	N
3	IC 200-212331/15	0.425385	0.458114	10.0	1327965.0	1.076942	Y
4	IC 200-212331/24	4.249175	4.651076	10.0	1421125.0	1.094583	Y
5	ICIS 200-212331/9	9.99806	13.175027	10.0	1121581.0	1.317758	Y
6	IC 200-212331/10	15.003557	19.129633	10.0	1199781.0	1.275007	Y
7	IC 200-212331/13	19.99612	24.090058	10.0	1287945.0	1.204737	Y
8	IC 200-212331/14	39.99224	45.286312	10.0	1373294.0	1.132377	Y



Calibration

/ Dodecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

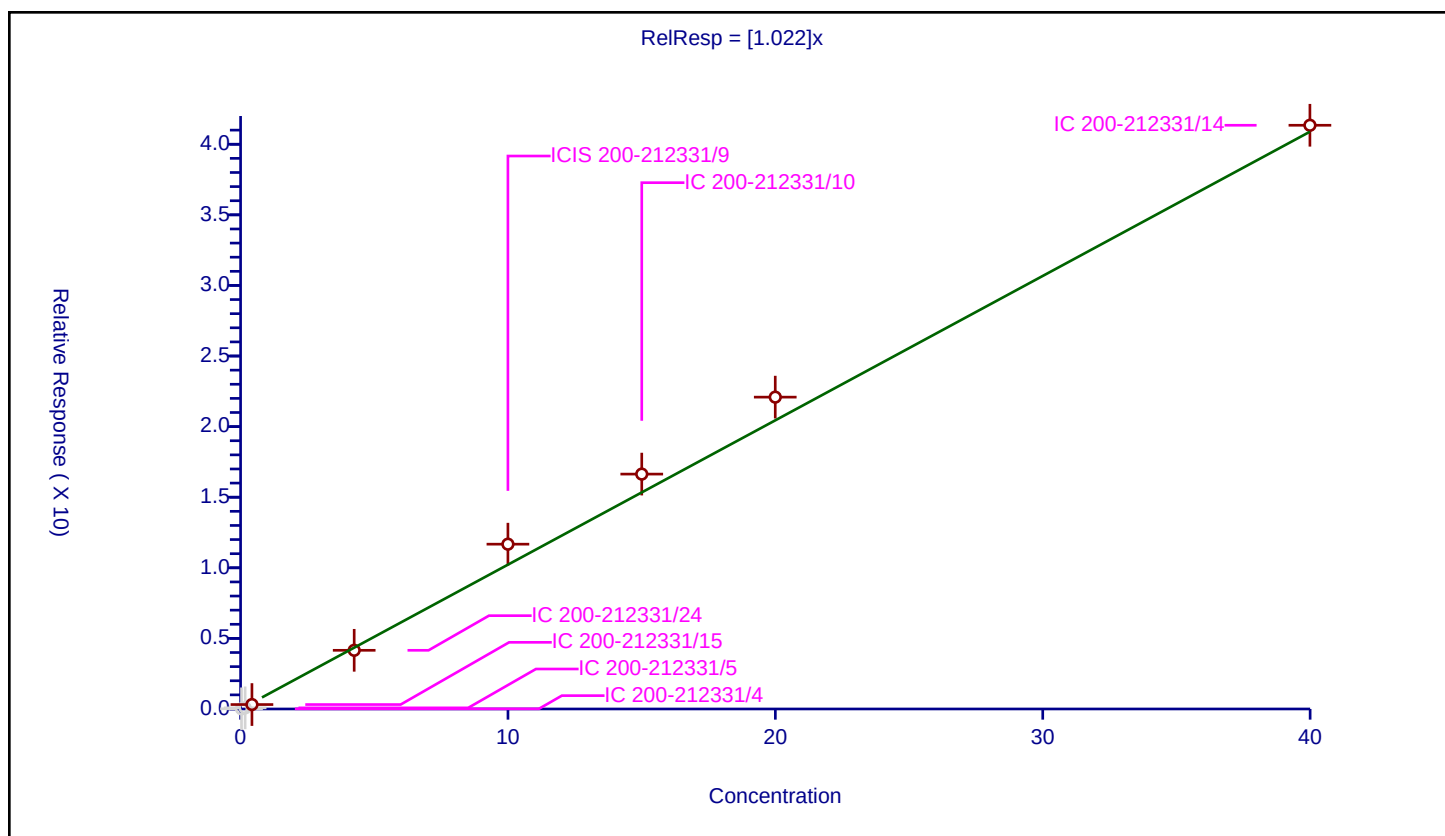
Curve Coefficients

Intercept: 0
Slope: 1.022

Error Coefficients

Relative Standard Deviation: 14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.035077	0.012776	10.0	1105198.0	0.364228	N
2	IC 200-212331/5	0.170374	0.079965	10.0	1120118.0	0.469349	N
3	IC 200-212331/15	0.425385	0.315377	10.0	1327965.0	0.741393	Y
4	IC 200-212331/24	4.249175	4.15556	10.0	1421125.0	0.977969	Y
5	ICIS 200-212331/9	9.99806	11.674413	10.0	1121581.0	1.167668	Y
6	IC 200-212331/10	15.003557	16.63827	10.0	1199781.0	1.108955	Y
7	IC 200-212331/13	19.99612	22.088397	10.0	1287945.0	1.104634	Y
8	IC 200-212331/14	39.99224	41.344264	10.0	1373294.0	1.033807	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

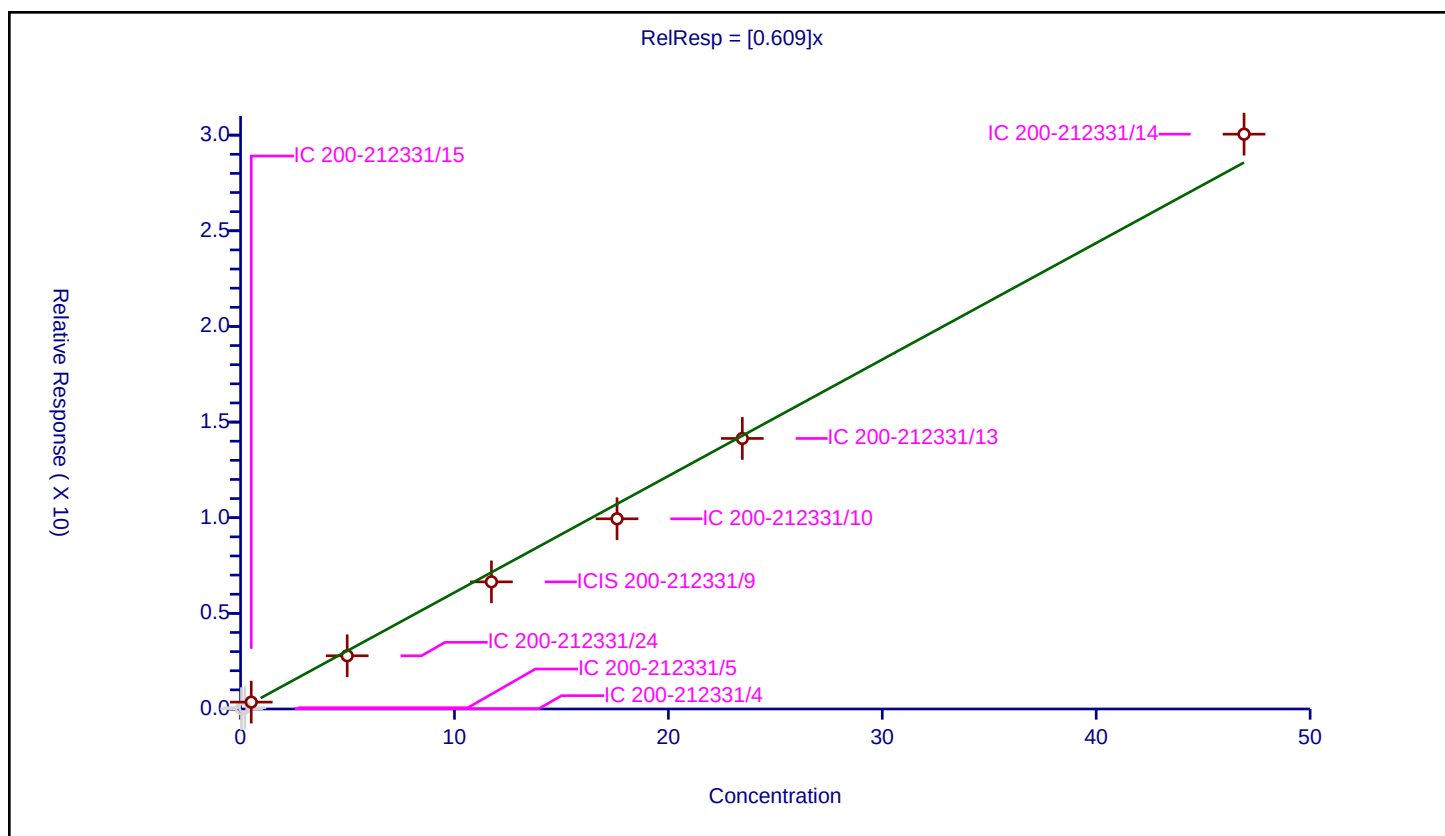
Curve Coefficients

Intercept: 0
Slope: 0.609

Error Coefficients

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.041145	0.016621	10.0	1105198.0	0.40397	N
2	IC 200-212331/5	0.199848	0.068154	10.0	1120118.0	0.341026	N
3	IC 200-212331/15	0.498976	0.359603	10.0	1327965.0	0.720681	Y
4	IC 200-212331/24	4.984283	2.781472	10.0	1421125.0	0.558049	Y
5	ICIS 200-212331/9	11.727724	6.646323	10.0	1121581.0	0.566719	Y
6	IC 200-212331/10	17.599172	9.943306	10.0	1199781.0	0.564987	Y
7	IC 200-212331/13	23.455448	14.143531	10.0	1287945.0	0.602996	Y
8	IC 200-212331/14	46.910897	30.050521	10.0	1373294.0	0.640587	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

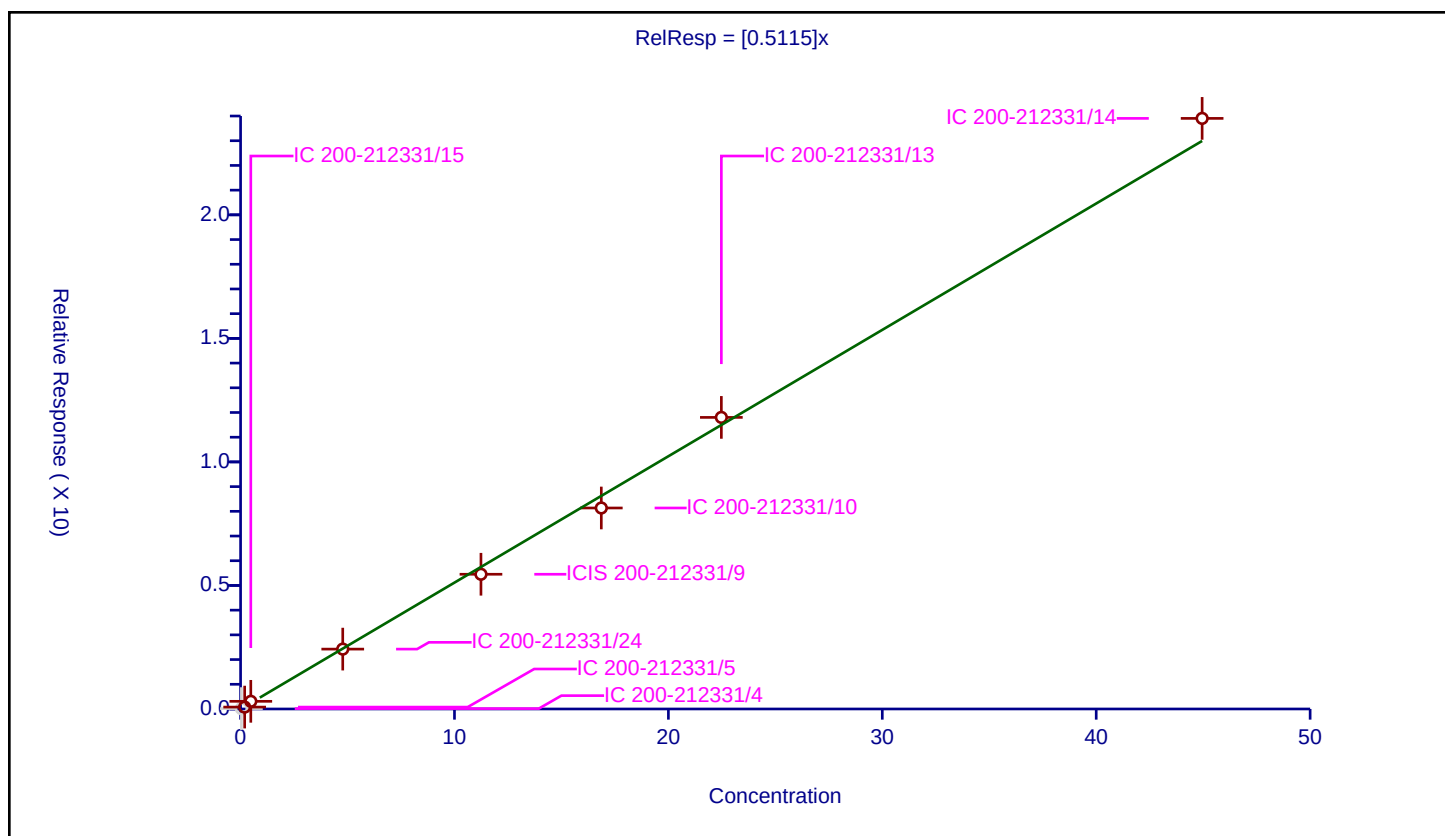
Curve Coefficients

Intercept: 0
Slope: 0.5115

Error Coefficients

Relative Standard Deviation: 14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.039426	0.015735	10.0	1105198.0	0.399091	N
2	IC 200-212331/5	0.1915	0.076706	10.0	1120118.0	0.400554	Y
3	IC 200-212331/15	0.478132	0.309782	10.0	1327965.0	0.647901	Y
4	IC 200-212331/24	4.776073	2.423101	10.0	1421125.0	0.507342	Y
5	ICIS 200-212331/9	11.237819	5.45266	10.0	1121581.0	0.485206	Y
6	IC 200-212331/10	16.863998	8.135276	10.0	1199781.0	0.482405	Y
7	IC 200-212331/13	22.475639	11.802119	10.0	1287945.0	0.525107	Y
8	IC 200-212331/14	44.951277	23.904189	10.0	1373294.0	0.53178	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

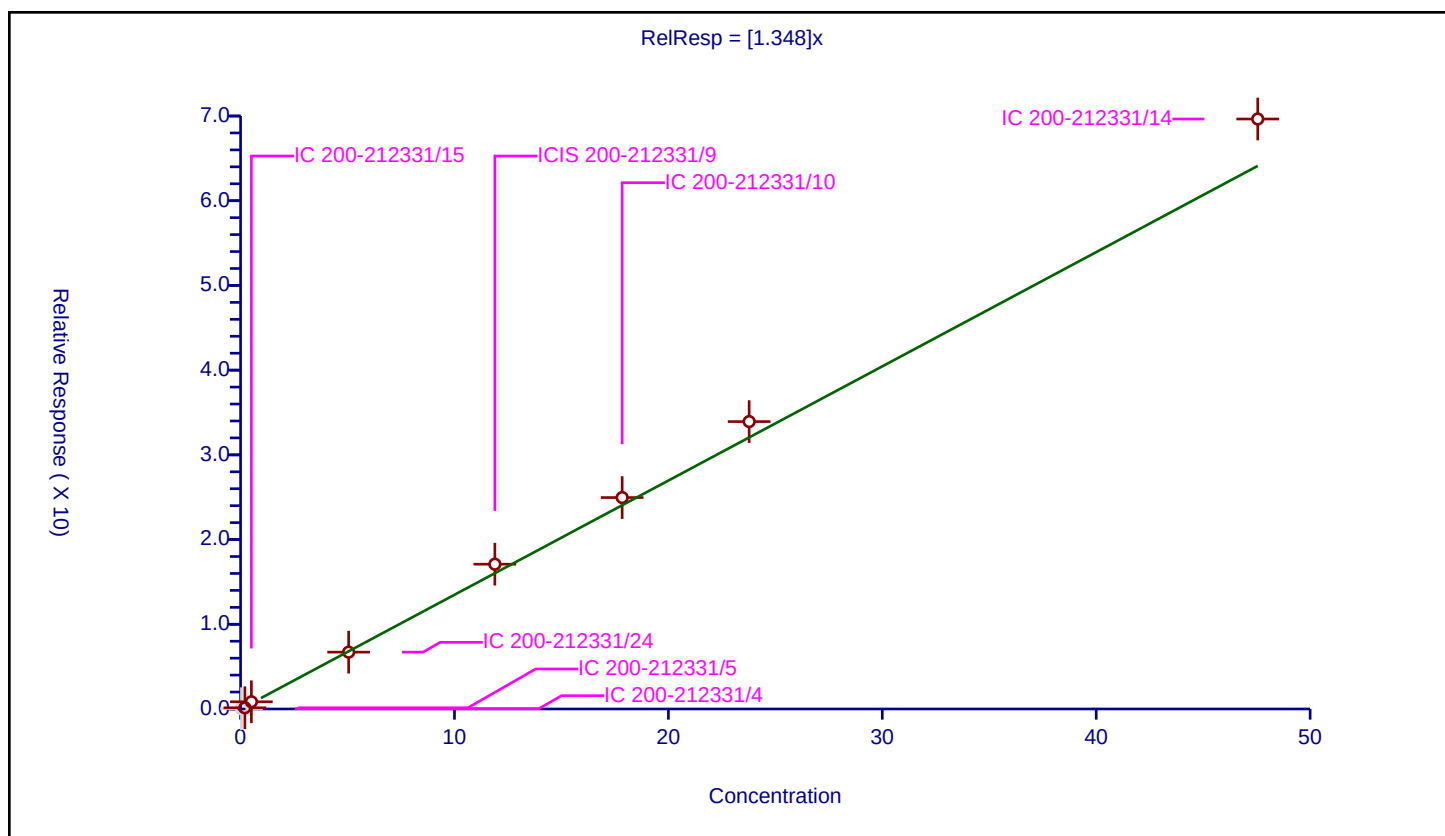
Curve Coefficients

Intercept: 0
Slope: 1.348

Error Coefficients

Relative Standard Deviation: 22.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.041706	0.037369	10.0	1105198.0	0.895997	N
2	IC 200-212331/5	0.202574	0.141896	10.0	1120118.0	0.700463	Y
3	IC 200-212331/15	0.505782	0.850196	10.0	1327965.0	1.680951	Y
4	IC 200-212331/24	5.05227	6.709213	10.0	1421125.0	1.32796	Y
5	ICIS 200-212331/9	11.887693	17.091231	10.0	1121581.0	1.437725	Y
6	IC 200-212331/10	17.839229	24.959313	10.0	1199781.0	1.399125	Y
7	IC 200-212331/13	23.775386	33.927815	10.0	1287945.0	1.427014	Y
8	IC 200-212331/14	47.550773	69.647279	10.0	1373294.0	1.464693	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

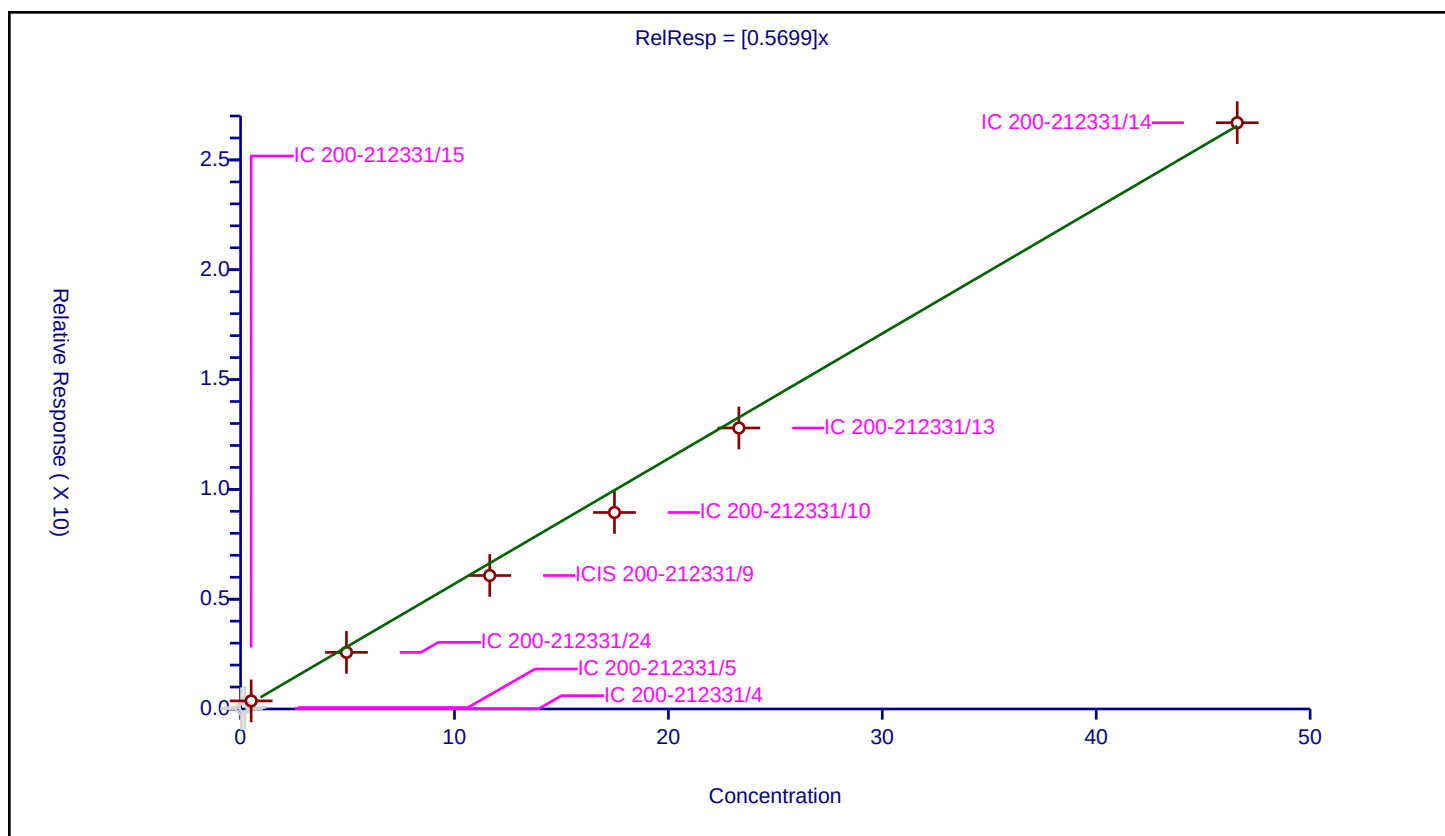
Curve Coefficients

Intercept: 0
Slope: 0.5699

Error Coefficients

Relative Standard Deviation: 15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212331/4	0.040865	0.016015	10.0	1105198.0	0.391909	N
2	IC 200-212331/5	0.198485	0.067832	10.0	1120118.0	0.341749	N
3	IC 200-212331/15	0.495573	0.367962	10.0	1327965.0	0.742497	Y
4	IC 200-212331/24	4.950289	2.578126	10.0	1421125.0	0.520803	Y
5	ICIS 200-212331/9	11.64774	6.077894	10.0	1121581.0	0.521809	Y
6	IC 200-212331/10	17.479144	8.948091	10.0	1199781.0	0.51193	Y
7	IC 200-212331/13	23.29548	12.795345	10.0	1287945.0	0.549263	Y
8	IC 200-212331/14	46.590959	26.694735	10.0	1373294.0	0.57296	Y



FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-212230/3	63422_003.D
Level 2	IC 200-212230/6	63422_006.D
Level 3	IC 200-212230/15	63422_015.D
Level 4	IC 200-212230/8	63422_008.D
Level 5	ICIS 200-212230/9	63422_009.D
Level 6	IC 200-212230/10	63422_010.D
Level 7	IC 200-212230/12	63422_012.D
Level 8	IC 200-212230/14	63422_014.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Propylene	++++ 1.6656	++++ 1.6442	++++ 1.2740	2.2599	1.9609	Ave		1.760 9				21.0		30.0			
Dichlorodifluoromethane	++++ 3.5044	++++ 3.4675	3.3384 2.7313	4.7903	4.1035	Ave		3.655 9				19.3		30.0			
Chlorodifluoromethane	++++ 2.7652	++++ 2.7019	2.5841 2.0927	3.7995	3.2792	Ave		2.870 4				20.6		30.0			
1,2-Dichlorotetrafluoroethane	++++ 3.6827	4.5151 3.6639	3.5484 2.9574	4.8734	4.2457	Ave		3.926 7				16.6		30.0			
Chloromethane	++++ 1.6819	++++ 1.6567	1.6753 1.3299	2.1556	1.9254	Ave		1.737 5				16.1		30.0			
Vinyl chloride	1.8290 1.5361	1.7111 1.5594	1.6929 1.3546	1.7158	1.6297	Ave		1.628 6				8.9		30.0			
n-Butane	++++ 2.6405	++++ 2.6464	2.7563 2.1588	2.9421	2.8191	Ave		2.660 5				10.2		30.0			
1,3-Butadiene	1.5834 1.1916	1.4457 1.1968	1.3165 1.0366	1.3258	1.2455	Ave		1.292 7				13.0		30.0			
Bromomethane	++++ 1.1536	1.4118 1.1608	1.2253 1.0064	1.3953	1.2415	Ave		1.227 8				11.6		30.0			
Chloroethane	++++ 0.8100	++++ 0.8184	0.8421 0.6972	0.9748	0.8816	Ave		0.837 4				10.9		30.0			
Isopentane	++++ 2.1970	2.6508 2.1868	2.2481 1.7854	2.7251	2.4095	Ave		2.314 7				13.7		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.0511	1.1640 1.0588	1.1278 0.9317	1.2803	1.1387	Ave		1.107 5				9.8		30.0			
Trichlorofluoromethane	++++ 2.9798	3.6687 2.9678	2.9656 2.4430	3.8650	3.3513	Ave		3.177 3				15.3		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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	++++ 3.2718	++++ 3.2638	3.3003 2.6267	4.0888	3.6005	Ave		3.358 7				14.3		30.0			
Ethanol	++++ 0.7885	++++ 0.8011	0.8510 0.6490	1.0586	0.9549	Ave		0.850 5				16.7		30.0			
Ethyl ether	++++ 1.0898	1.2374 1.0964	1.0892 0.9284	1.3171	1.1877	Ave		1.135 1				11.1		30.0			
Acrolein	++++ 0.5716	++++ 0.5901	++++ 0.5073	0.6804	0.6251	Ave		0.594 9				10.8		30.0			
1,1-Dichloroethene	1.8450 1.2210	1.7023 1.2285	1.2839 1.0803	1.4922	1.3171	Ave		1.396 3				18.8		30.0			
1,1,2-Trichlorotrifluoroethane	++++ 2.5148	2.8949 2.5166	2.6340 2.1878	3.1342	2.7509	Ave		2.661 9				11.4		30.0			
Acetone	++++ 2.6210	++++ 2.5552	++++ 1.9985	3.5020	3.0551	Ave		2.746 4				20.6		30.0			
Isopropyl alcohol	++++ 2.6177	++++ 2.5530	++++ 2.0219	3.4593	3.1002	Ave		2.750 4				20.0		30.0			
Carbon disulfide	++++ 4.0053	++++ 3.9814	4.5364 3.3581	4.8986	4.3556	Ave		4.189 2				12.7		30.0			
Acetonitrile	++++ 1.4400	++++ 1.4192	++++ 1.1533	1.8213	1.6411	Ave		1.495 0				16.8		30.0			
3-Chloropropene	++++ 2.2908	2.8587 2.2617	2.1153 1.8036	2.6062	2.3438	Ave		2.325 7				14.5		30.0			
Methylene Chloride	++++ 1.9686	++++ 1.9510	2.0696 1.5768	2.5064	2.1790	Ave		2.041 9				14.9		30.0			
tert-Butyl alcohol	++++ 3.0904	++++ 3.0217	++++ 2.4463	4.0387	3.5950	Ave		3.238 4				18.7		30.0			
Acrylonitrile	++++ 1.2005	++++ 1.1878	1.2713 0.9956	1.4397	1.3104	Ave		1.234 2				12.0		30.0			
trans-1,2-Dichloroethene	2.5237 2.2151	2.5720 2.1908	2.2509 1.8133	2.7607	2.4282	Ave		2.344 3				12.4		30.0			
Methyl tert-butyl ether	++++ 3.9641	4.6007 3.9362	3.8340 3.2461	4.9986	4.3968	Ave		4.139 5				13.9		30.0			
n-Hexane	++++ 2.4861	2.8012 2.4770	2.4275 2.0457	3.0857	2.7257	Ave		2.578 4				12.8		30.0			
1,1-Dichloroethane	3.2827 2.8250	3.3095 2.7903	2.8200 2.2924	3.5723	3.1354	Ave		3.003 5				13.4		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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	++++ 3.9939	++++ 3.9839	++++ 3.2093	4.5485	4.4797	Ave		4.043 1				13.2		30.0			
Methyl Ethyl Ketone (2-Butanone)	++++ 0.7455	++++ 0.7378	0.7847 0.6323	0.9185	0.8192	Ave		0.773 0				12.3		30.0			
cis-1,2-Dichloroethene	1.6943 1.3970	1.7388 1.3877	1.4823 1.1986	1.7310	1.5212	Ave		1.518 9				12.7		30.0			
Ethyl acetate	++++ 0.1150	++++ 0.1138	++++ 0.0998	0.1454	0.1246	Ave		0.119 7				14.1		30.0			
Tetrahydrofuran	++++ 0.4261	++++ 0.4202	0.3946 0.3359	0.5493	0.4854	Ave		0.435 3				17.0		30.0			
Chloroform	++++ 2.9364	3.4230 2.8988	2.8398 2.3800	3.7857	3.2915	Ave		3.079 3				14.9		30.0			
1,1,1-Trichloroethane	++++ 0.5538	0.6709 0.5492	0.5173 0.4530	0.7209	0.6314	Ave		0.585 2				15.9		30.0			
Cyclohexane	++++ 0.3635	0.4199 0.3623	0.3664 0.3139	0.4456	0.3987	Ave		0.381 5				11.4		30.0			
Carbon tetrachloride	0.5188 0.5304	0.6252 0.5262	0.4764 0.4368	0.6937	0.6071	Ave		0.551 8				15.3		30.0			
Benzene	++++ 0.8860	1.0663 0.8837	0.9177 0.7423	1.1025	0.9797	Ave		0.939 7				13.0		30.0			
1,2-Dichloroethane	++++ 0.4209	0.5135 0.4106	0.3828 0.3244	0.5730	0.4914	Ave		0.445 2				19.1		30.0			
2,2,4-Trimethylpentane	++++ 1.6208	1.8682 1.5973	1.5948 1.2802	2.0299	1.8050	Ave		1.685 2				14.3		30.0			
n-Heptane	++++ 0.6804	0.8153 0.6706	0.6158 0.5292	0.8728	0.7712	Ave		0.707 9				16.8		30.0			
n-Butanol	++++ 0.2350	++++ 0.2315	++++ 0.1929	0.3027	0.2779	Ave		0.248 0				17.3		30.0			
Trichloroethene	0.3883 0.3721	0.4238 0.3692	0.3681 0.3182	0.4571	0.4092	Ave		0.388 2				10.8		30.0			
1,2-Dichloropropane	++++ 0.3909	0.4334 0.3881	0.3797 0.3279	0.4798	0.4311	Ave		0.404 4				12.0		30.0			
Methyl methacrylate	++++ 0.3465	0.3142 0.3472	0.3129 0.2940	0.4161	0.3865	Ave		0.345 3				12.6		30.0			
1,4-Dioxane	++++ 0.1628	0.1803 0.1600	0.1780 0.1365	0.2217	0.1986	Ave		0.176 8				15.7		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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	+++++ 0.2642	0.3159 0.2644	0.2745 0.2353	0.3240	0.2897	Ave		0.281 1				11.1		30.0			
Bromodichloromethane	+++++ 0.6630	0.7442 0.6551	0.6004 0.5435	0.8491	0.7507	Ave		0.686 6				15.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.6149	0.6318 0.6088	0.5796 0.5135	0.7528	0.6878	Ave		0.627 0				12.2		30.0			
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ 0.9025	+++++ 0.8747	0.7618 0.6837	1.1472	1.0330	Ave		0.900 5				18.9		30.0			
Toluene	+++++ 0.6750	0.8207 0.6673	0.6886 0.5566	0.8342	0.7411	Ave		0.711 9				13.5		30.0			
n-Octane	+++++ 0.9720	1.1467 0.9430	0.8608 0.7256	1.2705	1.1189	Ave		1.005 4				18.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.4892	0.5009 0.4810	0.4637 0.4014	0.6033	0.5528	Ave		0.498 9				12.9		30.0			
1,1,2-Trichloroethane	+++++ 0.3783	0.4332 0.3749	0.3732 0.3125	0.4628	0.4155	Ave		0.392 9				12.5		30.0			
Tetrachloroethene	0.4702 0.4363	0.5071 0.4345	0.4450 0.3768	0.5390	0.4783	Ave		0.460 9				10.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.9393	+++++ 0.9109	0.8624 0.6901	1.2111	1.0994	Ave		0.952 2				19.2		30.0			
Dibromochloromethane	+++++ 0.6457	0.6728 0.6481	0.5865 0.5482	0.7869	0.7125	Ave		0.657 2				12.0		30.0			
1,2-Dibromoethane	+++++ 0.6125	0.6586 0.6047	0.6165 0.5118	0.7427	0.6737	Ave		0.631 5				11.3		30.0			
Chlorobenzene	+++++ 0.8473	0.9770 0.8350	0.8735 0.6922	1.0493	0.9410	Ave		0.887 9				13.0		30.0			
Ethylbenzene	+++++ 1.5377	1.7590 1.5030	1.5265 1.1828	1.9385	1.7229	Ave		1.595 8				15.1		30.0			
m,p-Xylene	+++++ 0.5495	0.6012 0.5433	0.5435 0.4525	0.6781	0.6104	Ave		0.568 3				12.4		30.0			
n-Nonane	+++++ 0.9260	1.0811 0.8955	0.8850 0.6964	1.1561	1.0393	Ave		0.954 2				16.0		30.0			
o-Xylene	+++++ 0.5379	0.5986 0.5327	0.5169 0.4462	0.6613	0.5986	Ave		0.556 0				12.5		30.0			
Styrene	+++++ 0.8956	0.8692 0.8903	0.8275 0.7319	1.0815	1.0058	Ave		0.900 3				12.7		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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	++++ 0.5669	0.5706 0.5800	0.5087 0.5057	0.6693	0.6209	Ave		0.574 6				10.1		30.0			
Cumene	++++ 1.6198	1.8430 1.5794	1.6114 1.2316	2.0499	1.8292	Ave		1.680 6				15.5		30.0			
1,1,2,2-Tetrachloroethane	++++ 1.0217	1.0937 1.0048	1.0308 0.8075	1.2684	1.1565	Ave		1.054 8				13.6		30.0			
1,2,3-Trichloropropane	++++ 0.7858	++++ 0.7674	0.8096 0.6104	1.0062	0.9016	Ave		0.813 5				16.4		30.0			
n-Propylbenzene	++++ 2.0965	2.3336 2.0162	2.0812 1.4704	2.6878	2.4137	Ave		2.157 1				17.7		30.0			
2-Chlorotoluene	++++ 1.2776	1.4289 1.2421	1.2718 0.9687	1.6409	1.4759	Ave		1.329 4				16.0		30.0			
4-Ethyltoluene	++++ 1.5658	1.6380 1.5243	1.5326 1.1649	1.9880	1.8029	Ave		1.602 4				16.0		30.0			
1,3,5-Trimethylbenzene	++++ 1.3294	1.4018 1.2920	1.2763 1.0098	1.6815	1.5256	Ave		1.359 5				15.5		30.0			
n-Decane	++++ 1.2006	++++ 1.1654	1.1554 0.8663	1.5471	1.3905	Ave		1.220 9				19.0		30.0			
Alpha Methyl Styrene	++++ 0.6801	0.5502 0.6725	0.5814 0.5536	0.8310	0.7762	Ave		0.663 6				16.6		30.0			
tert-Butylbenzene	++++ 1.2380	1.3489 1.2008	1.2050 0.9499	1.5603	1.4135	Ave		1.273 8				15.2		30.0			
1,2,4-Trimethylbenzene	++++ 1.3302	1.3683 1.3054	1.3030 1.0004	1.7283	1.5668	Ave		1.371 8				16.7		30.0			
sec-Butylbenzene	++++ 2.0282	2.1684 1.9492	2.0191 1.4172	2.6165	2.3529	Ave		2.078 8				17.9		30.0			
1,3-Dichlorobenzene	++++ 0.8096	0.7671 0.7980	0.8432 0.6574	1.0302	0.9535	Ave		0.837 0				14.7		30.0			
4-Isopropyltoluene	++++ 1.6097	1.6501 1.5604	1.5850 1.1774	2.0594	1.8576	Ave		1.642 8				16.6		30.0			
1,4-Dichlorobenzene	++++ 0.7955	0.7558 0.7887	0.8591 0.6414	1.0280	0.9410	Ave		0.829 9				15.3		30.0			
Benzyl chloride	++++ 1.3122	1.1271 1.2841	1.3445 0.9858	1.7235	1.5651	Ave		1.334 6				18.7		30.0			
n-Butylbenzene	++++ 1.8106	1.6720 1.7613	1.7002 1.2768	2.3649	2.1501	Ave		1.819 4				19.3		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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	+++++ 0.7825	0.7689 0.7787	0.8514 0.6364	1.0009	0.9237	Ave		0.820 4				14.4		30.0			
n-Undecane	+++++ 1.3146	+++++ 1.3309	+++++ 0.9619	1.8130	1.6417	Ave		1.412 4				23.3		30.0			
n-Dodecane	+++++ 1.0691	+++++ 1.3060	+++++ 0.9561	1.7810	1.6394	Ave		1.350 3				26.3		30.0			
1,2,4-Trichlorobenzene	+++++ 0.4598	+++++ 0.5121	0.5508 0.4338	0.6390	0.6330	Ave		0.538 1				16.0		30.0			
Hexachlorobutadiene	+++++ 0.4629	0.4125 0.4629	0.4765 0.4071	0.5786	0.5397	Ave		0.477 2				13.2		30.0			
Naphthalene	+++++ 1.0713	0.6323 1.3030	1.2414 0.9861	1.8192	1.7703	Ave		1.260 5				33.7	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.4465	+++++ 0.5045	0.6105 0.4201	0.6609	0.6359	Ave		0.546 4				18.8		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212230

SDG No.: 200-76392-1

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-212230/3	63422_003.D
Level 2	IC 200-212230/6	63422_006.D
Level 3	IC 200-212230/15	63422_015.D
Level 4	IC 200-212230/8	63422_008.D
Level 5	ICIS 200-212230/9	63422_009.D
Level 6	IC 200-212230/10	63422_010.D
Level 7	IC 200-212230/12	63422_012.D
Level 8	IC 200-212230/14	63422_014.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	++++ 1196724	++++ 1624967	++++ 3313220	300953	726123	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 2517963	++++ 3426907	++++ 7103053	637945	1519542	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Chlorodifluoromethane	BCM	Ave	++++ 1986818	++++ 2670263	++++ 5442240	505990	1214321	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 2646024	++++ 3621051	++++ 7690914	649006	1572214	++++ 15.0	++++ 0.170	++++ 40.0	4.25	10.00
Chloromethane	BCM	Ave	++++ 1208474	++++ 1637338	++++ 3458584	287062	712977	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Vinyl chloride	BCM	Ave	++++ 1103696	++++ 1541176	++++ 3522825	228503	603473	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
n-Butane	BCM	Ave	++++ 1897212	++++ 2615455	++++ 5614171	391808	1043934	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
1,3-Butadiene	BCM	Ave	++++ 856164	++++ 1182780	++++ 2695735	176567	461212	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Bromomethane	BCM	Ave	++++ 828856	++++ 1147186	++++ 2617283	185817	459752	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Chloroethane	BCM	Ave	++++ 582000	++++ 808823	++++ 1813099	129818	326468	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Isopentane	BCM	Ave	++++ 1578589	++++ 2161201	++++ 4643053	362908	892256	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 755249	++++ 1046402	++++ 2423023	170500	421663	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Trichlorofluoromethane	BCM	Ave	++++ 2141016	++++ 2933029	++++ 6353187	514720	1240993	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
n-Pentane	BCM	Ave	++++ 2350856	++++ 3225553	++++ 6831005	544519	1333300	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Ethanol	BCM	Ave	++++ 757018	++++ 1583722	++++ 4219490	211547	530657	++++ 20.0	++++ 40.0	4.26 100.0	6.38	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington

Job No.: 200-76392-1

Analy Batch No.: 212230

SDG No.: 200-76392-1

Instrument ID: CHAN.i

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

Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2024 15:43

Calibration End Date: 12/19/2024 02:02

Calibration ID: 54201

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	++++ 783021	7315 1083535	27272 2414410	175401	439820	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Acrolein	BCM	Ave	++++ 480891	++++ 682906	++++ 1544843	106099	271053	++++ 17.6	++++ 23.4	++++ 46.8	4.98	11.7
1,1-Dichloroethene	BCM	Ave	2645 877317	10063 1214141	32147 2809474	198718	487724	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1,2-Trichlorotrifluoroethane	BCM	Ave	++++ 1806879	17113 2487111	65950 5689571	417397	1018687	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Acetone	BCM	Ave	++++ 1883199	++++ 2525326	++++ 5197269	466378	1131329	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Isopropyl alcohol	BCM	Ave	++++ 2179896	++++ 2924305	++++ 6094066	533933	1330540	++++ 17.4	++++ 23.2	++++ 46.4	4.92	11.6
Carbon disulfide	BCM	Ave	++++ 2877823	++++ 3934811	113582 8732931	652359	1612921	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
Acetonitrile	BCM	Ave	++++ 1034623	++++ 1402560	++++ 2999184	242553	607697	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
3-Chloropropene	BCM	Ave	++++ 1645949	16899 2235239	52962 4690506	347075	867928	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Methylene Chloride	BCM	Ave	++++ 1414428	++++ 1928125	51818 4100626	333788	806906	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
tert-Butyl alcohol	BCM	Ave	++++ 2220464	++++ 2986363	++++ 6361950	537847	1331255	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Acrylonitrile	BCM	Ave	++++ 862542	++++ 1173901	31831 2589061	191726	485237	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
trans-1,2-Dichloroethene	BCM	Ave	3618 1591553	15204 2165160	56358 4715575	367647	899180	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 2848265	27197 3890110	95995 8441784	665679	1628158	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
n-Hexane	BCM	Ave	++++ 1786281	16559 2448010	60781 5319963	410928	1009360	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1-Dichloroethane	BCM	Ave	4706 2029819	19564 2757668	70606 5961703	475735	1161059	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Vinyl acetate	BCM	Ave	++++ 3268550	++++ 4484533	++++ 9506222	689941	1889433	++++ 17.1	++++ 22.8	++++ 45.6	4.84	11.4
Methyl Ethyl Ketone (2-Butanone)	BCM	Ave	++++ 535635	++++ 729200	19647 1644387	122323	303355	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
cis-1,2-Dichloroethene	BCM	Ave	2429 1003756	10279 1371476	37113 3117120	230527	563318	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Ethyl acetate	BCM	Ave	++++ 82624	++++ 112437	++++ 259556	19364	46152	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	49292	365123	890135	++++	++++	0.425	4.25	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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
			1517678	2051228	4276695			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 2109798	20235 2864894	71102 6189371	504152	1218861	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1972622	19732 2681298	64614 5767318	479139	1157867	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Cyclohexane	DFBZ	Ave	++++ 1294697	12351 1768942	45763 3995953	296181	731110	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Carbon tetrachloride	DFBZ	Ave	3720 1889351	18389 2568953	59512 5561093	461081	1113426	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Benzene	DFBZ	Ave	++++ 3155797	31361 4314386	114637 9449692	732770	1796718	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 1499075	15102 2004706	47814 4130275	380822	901179	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 5773120	54946 7798053	199214 16297587	1349228	3310123	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
n-Heptane	DFBZ	Ave	++++ 2423347	23978 3273935	76926 6736449	580121	1414329	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
n-Butanol	DFBZ	Ave	++++ 837025	++++ 1130290	++++ 2455885	201202	509710	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
Trichloroethene	DFBZ	Ave	2784 1325214	12464 1802560	45975 4050253	303839	750495	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 1392173	12747 1894491	47427 4174259	318910	790657	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Methyl methacrylate	DFBZ	Ave	++++ 1234267	9241 1695247	39088 3742316	276538	708868	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,4-Dioxane	DFBZ	Ave	++++ 579808	5302 781322	22232 1737160	147369	364205	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Dibromomethane	DFBZ	Ave	++++ 940973	9290 1290902	34294 2995217	215322	531204	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Bromodichloromethane	DFBZ	Ave	++++ 2361563	21887 3198119	74999 6919339	564354	1376636	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 2190119	18582 2972157	72399 6536837	500352	1261370	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
4-Methyl-2-pentanone (Methyl isobutyl ketone)	DFBZ	Ave	++++ 3214433	++++ 4270334	95158 8703383	762476	1894368	++++ 15.0	++++ 20.0	0.425 40.0	4.25	10.00
Toluene	CBNzd 5	Ave	++++ 2131105	20706 2902512	73364 6471914	495853	1226352	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
n-Octane	DFBZ	Ave	++++ 3462000	33725 4603825	107530 9237626	844444	2051981	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212230

SDG No.: 200-76392-1

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	+++++ 1742603	14731 2348506	57921 5110356	400968	1013703	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++ 1194345	10929 1630857	39757 3633727	275116	687491	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Tetrachloroethene	CBNZd 5	Ave	2833 1377688	12794 1889844	47409 4381146	320377	791462	0.0351 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++ 2965515	+++++ 3962139	91877 8025152	719871	1819178	+++++ 15.0	+++++ 20.0	0.425 40.0	4.25	10.00
Dibromochloromethane	CBNZd 5	Ave	+++++ 2038528	16975 2818995	62483 6374166	467718	1178935	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,2-Dibromoethane	CBNZd 5	Ave	+++++ 1933828	16617 2630415	65677 5951494	441488	1114704	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Chlorobenzene	CBNZd 5	Ave	+++++ 2675322	24651 3631894	93061 8049559	623692	1557060	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Ethylbenzene	CBNZd 5	Ave	+++++ 4855142	44379 6537390	162629 13753350	1152225	2850897	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
m,p-Xylene	CBNZd 5	Ave	+++++ 3469570	30335 4726568	115816 10522396	806073	2019882	+++++ 30.0	0.340 40.0	0.851 80.0	8.50	20.0
n-Nonane	CBNZd 5	Ave	+++++ 2923729	27277 3895017	94287 8098425	687192	1719711	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
o-Xylene	CBNZd 5	Ave	+++++ 1698311	15103 2317025	55065 5187972	393064	990543	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Styrene	CBNZd 5	Ave	+++++ 2827836	21931 3872692	88158 8511151	642834	1664219	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Bromoform	CBNZd 5	Ave	+++++ 1789867	14397 2522624	54197 5880932	397839	1027417	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
Cumene	CBNZd 5	Ave	+++++ 5114096	46499 6869797	171674 14321621	1218436	3026653	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++ 27595	27595 109817	109817 753918	753918	1913560	+++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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
			3225781	4370548	9389931			15.0	20.0	40.0		
1,2,3-Trichloropropane	CBNZd 5	Ave	++++	++++	86252	598087	1491769	++++	++++	0.425	4.25	10.00
			2481063	3338035	7097599			15.0	20.0	40.0		
n-Propylbenzene	CBNZd 5	Ave	++++	58878	221728	1597622	3993833	++++	0.170	0.425	4.25	10.00
			6619359	8769814	17098367			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	++++	36052	135499	975335	2442070	++++	0.170	0.425	4.25	10.00
			4033786	5402552	11264671			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	++++	41326	163281	1181670	2983213	++++	0.170	0.425	4.25	10.00
			4943698	6630291	13545362			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++	35368	135980	999477	2524430	++++	0.170	0.425	4.25	10.00
			4197216	5619745	11741875			15.0	20.0	40.0		
n-Decane	CBNZd 5	Ave	++++	++++	123095	919595	2300813	++++	++++	0.425	4.25	10.00
			3790645	5069206	10073363			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd 5	Ave	++++	13882	61938	493966	1284342	++++	0.170	0.425	4.25	10.00
			2147271	2925122	6437547			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	++++	34034	128379	927420	2338846	++++	0.170	0.425	4.25	10.00
			3908796	5223031	11045947			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++	34523	138816	1027277	2592594	++++	0.170	0.425	4.25	10.00
			4199747	5678105	11633395			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	++++	54710	215112	1555225	3893242	++++	0.170	0.425	4.25	10.00
			6403693	8478300	16479257			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd 5	Ave	++++	19354	89832	612371	1577685	++++	0.170	0.425	4.25	10.00
			2556119	3471177	7644829			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	++++	41633	168863	1224100	3073689	++++	0.170	0.425	4.25	10.00
			5082174	6787389	13690564			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	++++	19070	91527	611069	1557080	++++	0.170	0.425	4.25	10.00
			2511678	3430591	7457860			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	++++	28436	143237	1024446	2589775	++++	0.170	0.425	4.25	10.00
			4142953	5585392	11462713			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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	CBNZd 5	Ave	++++ 5716493	42185 7661056	181135 14846636	1405672	3557624	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
1,2-Dichlorobenzene	CBNZd 5	Ave	++++ 2470735	19400 3387284	90705 7400366	594964	1528357	++++ 15.0	0.170 20.0	0.425 40.0	4.25	10.00
n-Undecane	CBNZd 5	Ave	++++ 4150585	++++ 5788877	++++ 11184991	1077676	2716486	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
n-Dodecane	CBNZd 5	Ave	++++ 3375609	++++ 5680701	++++ 11117848	1058610	2712709	++++ 15.0	++++ 20.0	++++ 40.0	4.25	10.00
1,2,4-Trichlorobenzene	CBNZd 5	Ave	++++ 1702693	++++ 2612921	68838 5916370	445529	1228622	++++ 17.6	++++ 23.5	0.499 46.9	4.98	11.7
Hexachlorobutadiene	CBNZd 5	Ave	++++ 1642722	11699 2263217	57057 5321096	386555	1003680	++++ 16.9	0.191 22.5	0.478 45.0	4.78	11.2
Naphthalene	CBNZd 5	Ave	++++ 4021871	18967 6738985	157250 13633287	1285735	3482882	++++ 17.8	0.202 23.8	0.506 47.6	5.05	11.9
1,2,3-Trichlorobenzene	CBNZd 5	Ave	++++ 1642203	++++ 2556321	75771 5691273	457655	1225784	++++ 17.5	++++ 23.3	0.496 46.6	4.95	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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-212230/3	63422_003.D
Level 2	IC 200-212230/6	63422_006.D
Level 3	IC 200-212230/15	63422_015.D
Level 4	IC 200-212230/8	63422_008.D
Level 5	ICIS 200-212230/9	63422_009.D
Level 6	IC 200-212230/10	63422_010.D
Level 7	IC 200-212230/12	63422_012.D
Level 8	IC 200-212230/14	63422_014.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	++++ -6.6	++++ -27.6	++++	28.3	11.4	-5.4	30	30		50	30	30
Dichlorodifluoromethane	++++ -5.2	++++ -25.3	-8.7	31.0 *	12.2	-4.1	30	30	50	30	30	30
Chlorodifluoromethane	++++ -5.9	++++ -27.1	-10.0	32.4 *	14.2	-3.7	30	30	50	30	30	30
1,2-Dichlorotetrafluoroethane	++++ -6.7	15.0 -24.7	-9.6	24.1	8.1	-6.2	30	50 30	30	30	30	30
Chloromethane	++++ -4.6	++++ -23.5	-3.6	24.1	10.8	-3.2	30	30	50	30	30	30
Vinyl chloride	12.3 -4.2	5.1 -16.8	3.9	5.4	0.1	-5.7	50 30	30 30	30	30	30	30
n-Butane	++++ -0.5	++++ -18.9	3.6	10.6	6.0	-0.8	30	30	50	30	30	30
1,3-Butadiene	22.5 -7.4	11.8 -19.8	1.8	2.6	-3.7	-7.8	50 30	30 30	30	30	30	30
Bromomethane	++++ -5.5	15.0 -18.0	-0.2	13.6	1.1	-6.0	30	50 30	30	30	30	30
Chloroethane	++++ -2.3	++++ -16.7	0.6	16.4	5.3	-3.3	30	30	50	30	30	30
Isopentane	++++ -5.5	14.5 -22.9	-2.9	17.7	4.1	-5.1	30	50 30	30	30	30	30
Bromoethene (Vinyl Bromide)	++++ -4.4	5.1 -15.9	1.8	15.6	2.8	-5.1	30	50 30	30	30	30	30
Trichlorofluoromethane	++++ -6.6	15.5 -23.1	-6.7	21.6	5.5	-6.2	30	50 30	30	30	30	30
n-Pentane	++++ -2.8	++++ -21.8	-1.7	21.7	7.2	-2.6	30	30	50	30	30	30
Ethanol	++++ -5.8	++++ -23.7	0.1	24.5	12.3	-7.3	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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	+++++ -3.4	9.0 -18.2	-4.0	16.0	4.6	-4.0	30	50 30	30	30	30	30
Acrolein	+++++ -0.8	+++++ -14.7	+++++	14.4	5.1	-3.9	30	30		50	30	30
1,1-Dichloroethene	32.1 -12.0	21.9 -22.6	-8.0	6.9	-5.7	-12.6	50 30	30 30	30	30	30	30
1,1,2-Trichlorotrifluoroethane	+++++ -5.5	8.8 -17.8	-1.0	17.7	3.3	-5.5	30	50 30	30	30	30	30
Acetone	+++++ -7.0	+++++ -27.2	+++++	27.5	11.2	-4.6	30	30		50	30	30
Isopropyl alcohol	+++++ -7.2	+++++ -26.5	+++++	25.8	12.7	-4.8	30	30		50	30	30
Carbon disulfide	+++++ -5.0	+++++ -19.8	8.3	16.9	4.0	-4.4	30	30	50	30	30	30
Acetonitrile	+++++ -5.1	+++++ -22.9	+++++	21.8	9.8	-3.7	30	30		50	30	30
3-Chloropropene	+++++ -2.8	22.9 -22.4	-9.0	12.1	0.8	-1.5	30	50 30	30	30	30	30
Methylene Chloride	+++++ -4.5	+++++ -22.8	1.4	22.8	6.7	-3.6	30	30	50	30	30	30
tert-Butyl alcohol	+++++ -6.7	+++++ -24.5	+++++	24.7	11.0	-4.6	30	30		50	30	30
Acrylonitrile	+++++ -3.8	+++++ -19.3	3.0	16.6	6.2	-2.7	30	30	50	30	30	30
trans-1,2-Dichloroethene	7.7 -6.5	9.7 -22.7	-4.0	17.8	3.6	-5.5	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	+++++ -4.9	11.1 -21.6	-7.4	20.8	6.2	-4.2	30	50 30	30	30	30	30
n-Hexane	+++++ -3.9	8.6 -20.7	-5.9	19.7	5.7	-3.6	30	50 30	30	30	30	30
1,1-Dichloroethane	9.3 -7.1	10.2 -23.7	-6.1	18.9	4.4	-5.9	50 30	30 30	30	30	30	30
Vinyl acetate	+++++ -1.5	+++++ -20.6	+++++	12.5	10.8	-1.2	30	30		50	30	30
Methyl Ethyl Ketone (2-Butanone)	+++++ -4.5	+++++ -18.2	1.5	18.8	6.0	-3.6	30	30	50	30	30	30
cis-1,2-Dichloroethene	11.6 -8.6	14.5 -21.1	-2.4	14.0	0.2	-8.0	50 30	30 30	30	30	30	30
Ethyl acetate	+++++ -5.0	+++++ -16.6	+++++	21.5	4.1	-3.9	30	30		50	30	30
Tetrahydrofuran	+++++ -3.5	+++++ -22.8	-9.3	26.2	11.5	-2.1	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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	++++ -5.9	11.2 -22.7	-7.8	22.9	6.9	-4.6	30	50 30	30	30	30	30
1,1,1-Trichloroethane	++++ -6.2	14.6 -22.6	-11.6	23.2	7.9	-5.4	30	50 30	30	30	30	30
Cyclohexane	++++ -5.0	10.1 -17.7	-4.0	16.8	4.5	-4.7	30	50 30	30	30	30	30
Carbon tetrachloride	-6.0 -4.6	13.3 -20.8	-13.7	25.7	10.0	-3.9	50 30	30	30	30	30	30
Benzene	++++ -6.0	13.5 -21.0	-2.3	17.3	4.3	-5.7	30	50 30	30	30	30	30
1,2-Dichloroethane	++++ -7.8	15.3 -27.1	-14.0	28.7	10.4	-5.5	30	50 30	30	30	30	30
2,2,4-Trimethylpentane	++++ -5.2	10.9 -24.0	-5.4	20.5	7.1	-3.8	30	50 30	30	30	30	30
n-Heptane	++++ -5.3	15.2 -25.2	-13.0	23.3	8.9	-3.9	30	50 30	30	30	30	30
n-Butanol	++++ -6.7	++++ -22.2	++++	22.1	12.1	-5.2	30	30		50	30	30
Trichloroethene	0.0 -4.9	9.2 -18.1	-5.2	17.7	5.4	-4.2	50 30	30 30	30	30	30	30
1,2-Dichloropropane	++++ -4.0	7.2 -18.9	-6.1	18.6	6.6	-3.3	30	50 30	30	30	30	30
Methyl methacrylate	++++ 0.5	-9.0 -14.9	-9.4	20.5	11.9	0.3	30	50 30	30	30	30	30
1,4-Dioxane	++++ -9.5	1.9 -22.8	0.6	25.4	12.3	-7.9	30	50 30	30	30	30	30
Dibromomethane	++++ -5.9	12.4 -16.3	-2.3	15.2	3.0	-6.0	30	50 30	30	30	30	30
Bromodichloromethane	++++ -4.6	8.4 -20.8	-12.5	23.7	9.3	-3.4	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	++++ -2.9	0.8 -18.1	-7.6	20.1	9.7	-1.9	30	50 30	30	30	30	30
4-Methyl-2-pentanone (Methyl isobutyl ketone)	++++ -2.9	++++ -24.1	-15.4	27.4	14.7	0.2	30	30	50	30	30	30
Toluene	++++ -6.3	15.3 -21.8	-3.3	17.2	4.1	-5.2	30	50 30	30	30	30	30
n-Octane	++++ -6.2	14.1 -27.8	-14.4	26.4	11.3	-3.3	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	++++ -3.6	0.4 -19.5	-7.1	20.9	10.8	-1.9	30	50 30	30	30	30	30
1,1,2-Trichloroethane	++++ -4.6	10.2 -20.5	-5.0	17.8	5.7	-3.7	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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	2.0 -5.7	10.0 -18.3	-3.5	16.9	3.8	-5.3	50 30	30 30	30	30	30	30
Methyl Butyl Ketone (2-Hexanone)	++++ -4.3	++++ -27.5	-9.4	27.2	15.5	-1.4	30	30	50	30	30	30
Dibromochloromethane	++++ -1.4	2.4 -16.6	-10.8	19.7	8.4	-1.8	30	50 30	30	30	30	30
1,2-Dibromoethane	++++ -4.2	4.3 -19.0	-2.4	17.6	6.7	-3.0	30	50 30	30	30	30	30
Chlorobenzene	++++ -6.0	10.0 -22.0	-1.6	18.2	6.0	-4.6	30	50 30	30	30	30	30
Ethylbenzene	++++ -5.8	10.2 -25.9	-4.3	21.5	8.0	-3.6	30	50 30	30	30	30	30
m,p-Xylene	++++ -4.4	5.8 -20.4	-4.4	19.3	7.4	-3.3	30	50 30	30	30	30	30
n-Nonane	++++ -6.2	13.3 -27.0	-7.3	21.2	8.9	-3.0	30	50 30	30	30	30	30
o-Xylene	++++ -4.2	7.7 -19.8	-7.0	18.9	7.7	-3.3	30	50 30	30	30	30	30
Styrene	++++ -1.1	-3.4 -18.7	-8.1	20.1	11.7	-0.5	30	50 30	30	30	30	30
Bromoform	++++ 0.9	-0.7 -12.0	-11.5	16.5	8.1	-1.3	30	50 30	30	30	30	30
Cumene	++++ -6.0	9.7 -26.7	-4.1	22.0	8.8	-3.6	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	++++ -4.7	3.7 -23.4	-2.3	20.3	9.6	-3.1	30	50 30	30	30	30	30
1,2,3-Trichloropropane	++++ -5.7	++++ -25.0	-0.5	23.7	10.8	-3.4	30	30	50	30	30	30
n-Propylbenzene	++++ -6.5	8.2 -31.8 *	-3.5	24.6	11.9	-2.8	30	50 30	30	30	30	30
2-Chlorotoluene	++++ -6.6	7.5 -27.1	-4.3	23.4	11.0	-3.9	30	50 30	30	30	30	30
4-Ethyltoluene	++++ -4.9	2.2 -27.3	-4.4	24.1	12.5	-2.3	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	++++ -5.0	3.1 -25.7	-6.1	23.7	12.2	-2.2	30	50 30	30	30	30	30
n-Decane	++++ -4.5	++++ -29.0	-5.4	26.7	13.9	-1.7	30	30	50	30	30	30
Alpha Methyl Styrene	++++ 1.3	-17.1 -16.6	-12.4	25.2	17.0	2.5	30	50 30	30	30	30	30
tert-Butylbenzene	++++ -5.7	5.9 -25.4	-5.4	22.5	11.0	-2.8	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.: 200-76392-1 Analy Batch No.: 212230
SDG No.: 200-76392-1
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/18/2024 15:43 Calibration End Date: 12/19/2024 02:02 Calibration ID: 54201

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	++++ -4.8	-0.3 -27.1	-5.0	26.0	14.2	-3.0	30	50 30	30	30	30	30
sec-Butylbenzene	++++ -6.2	4.3 -31.8 *	-2.9	25.9	13.2	-2.4	30	50 30	30	30	30	30
1,3-Dichlorobenzene	++++ -4.7	-8.4 -21.5	0.7	23.1	13.9	-3.3	30	50 30	30	30	30	30
4-Isopropyltoluene	++++ -5.0	0.4 -28.3	-3.5	25.4	13.1	-2.0	30	50 30	30	30	30	30
1,4-Dichlorobenzene	++++ -5.0	-8.9 -22.7	3.5	23.9	13.4	-4.1	30	50 30	30	30	30	30
Benzyl chloride	++++ -3.8	-15.6 -26.1	0.7	29.1	17.3	-1.7	30	50 30	30	30	30	30
n-Butylbenzene	++++ -3.2	-8.1 -29.8	-6.6	30.0	18.2	-0.5	30	50 30	30	30	30	30
1,2-Dichlorobenzene	++++ -5.1	-6.3 -22.4	3.8	22.0	12.6	-4.6	30	50 30	30	30	30	30
n-Undecane	++++ -5.8	++++ -31.9 *	++++	28.4	16.2	-6.9	30	30		50	30	30
n-Dodecane	++++ -3.3	++++ -29.2	++++	31.9	21.4	-20.8	30	30		50	30	30
1,2,4-Trichlorobenzene	++++ -4.8	++++ -19.4	2.4	18.8	17.6	-14.6	30	30	50	30	30	30
Hexachlorobutadiene	++++ -3.0	-13.5 -14.7	-0.1	21.3	13.1	-3.0	30	50 30	30	30	30	30
Naphthalene	++++ 3.4	-49.8 -21.8	-1.5	44.3 *	40.4 *	-15.0	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	++++ -7.7	++++ -23.1	11.7	21.0	16.4	-18.3	30	30	50	30	30	30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_003.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 18-Dec-2024 15:43:35 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063422-003
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Dec-2024 06:59:34 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1707

First Level Reviewer: F7XK

Date: 19-Dec-2024 10:08:06

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	4.358	4.353	0.005	94	5457	0.0351	0.0758	
2 Dichlorodifluoromethane	85	4.455	4.449	0.006	99	6233	0.0351	0.0417	
3 Chlorodifluoromethane	51	4.492	4.497	-0.005	96	5372	0.0351	0.0458	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	97	6216	0.0351	0.0387	
5 Chloromethane	50	4.936	4.931	0.005	65	3197	0.0351	0.0450	
6 Vinyl chloride	62	5.236	5.230	0.006	81	2622	0.0351	0.0394	
7 Butane	43	5.236	5.230	0.006	98	6171	0.0351	0.0568	
8 Butadiene	54	5.353	5.343	0.010	95	2270	0.0351	0.0430	M
9 Bromomethane	94	6.076	6.070	0.006	56	1872	0.0351	0.0373	
10 Chloroethane	64	6.343	6.338	0.005	9	1389	0.0351	0.0406	
12 2-Methylbutane	43	6.552	6.552	0.000	93	4244	0.0351	0.0449	
13 Vinyl bromide	106	6.766	6.755	0.011	84	1913	0.0351	0.0423	
14 Trichlorofluoromethane	101	6.915	6.921	-0.006	92	5118	0.0351	0.0394	
15 Pentane	43	7.140	7.129	0.011	97	6090	0.0351	0.0444	
16 Ethanol	45	7.327	7.274	0.053	31	697	0.0702	0.0201	
18 Ethyl ether	59	7.557	7.536	0.021	95	1787	0.0351	0.0385	
19 Acrolein	56		7.766				ND	ND	
20 1,1-Dichloroethene	96	7.969	7.975	-0.006	83	2645	0.0351	0.0463	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.023	8.023	0.000	89	4488	0.0351	0.0413	
22 Acetone	43	8.087	8.039	0.048	99	3521	0.0351	0.0314	
23 Isopropyl alcohol	45	8.376	8.328	0.048	38	3339	0.0407	0.0297	
24 Carbon disulfide	76	8.376	8.381	-0.005	99	6418	0.0351	0.0375	
25 Acetonitrile	41	8.654	8.536	0.118	65	4123	0.0351	0.0675	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	95	3682	0.0351	0.0387	
27 Methylene Chloride	49	8.890	8.895	-0.005	98	5861	0.0351	0.0702	
28 2-Methyl-2-propanol	59	9.125	9.093	0.032	92	3417	0.0351	0.0258	
29 Acrylonitrile	53	9.312	9.280	0.032	1	229	0.0351	0.004540	
30 trans-1,2-Dichloroethene	61	9.387	9.392	-0.005	86	3618	0.0351	0.0378	
31 Methyl tert-butyl ether	73	9.419	9.398	0.021	96	6679	0.0351	0.0395	
32 Hexane	57	9.917	9.917	0.000	90	4338	0.0351	0.0412	
33 1,1-Dichloroethane	63	10.157	10.157	0.000	24	4706	0.0351	0.0383	

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		10.163				ND	ND	
S 35 1,2-Dichloroethene, Total	61				0		0.0702	0.0769	
36 2-Butanone (MEK)	72	11.174	11.110	0.064	31	192	0.0351	0.006077	
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	95	2429	0.0351	0.0391	M
38 Ethyl acetate	88		11.201				ND	ND	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	95	408700	10.0	10.0	
40 Tetrahydrofuran	42	11.634	11.597	0.037	45	3089	0.0351	0.0347	
41 Chloroform	83	11.730	11.730	0.000	93	4811	0.0351	0.0382	
42 1,1,1-Trichloroethane	97	12.046	12.046	0.000	94	3145	0.0351	0.0263	
43 Cyclohexane	84	12.185	12.190	-0.005	94	3111	0.0351	0.0399	
44 Carbon tetrachloride	117	12.329	12.324	0.005	93	3720	0.0351	0.0330	
45 Benzene	78	12.672	12.667	0.006	96	9304	0.0351	0.0484	
46 1,2-Dichloroethane	62		12.731				ND	ND	
47 Isooctane	57	12.897	12.897	0.000	97	13266	0.0351	0.0385	
48 n-Heptane	43	13.201	13.201	0.000	94	5721	0.0351	0.0395	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	97	2044175	10.0	10.0	
50 n-Butanol	56	13.389	13.603	-0.214	24	51533	0.0351	1.02	
51 Trichloroethene	95	13.838	13.833	0.005	87	2784	0.0351	0.0351	
53 1,2-Dichloropropane	63	14.282	14.282	0.000	76	3074	0.0351	0.0372	
54 Methyl methacrylate	69		14.368				ND	ND	
55 1,4-Dioxane	88		14.405				ND	ND	
57 Dibromomethane	174	14.443	14.432	0.011	88	2581	0.0351	0.0449	
58 Dichlorobromomethane	83	14.742	14.742	0.000	94	4807	0.0351	0.0343	
59 cis-1,3-Dichloropropene	75	15.550	15.545	0.005	97	4132	0.0351	0.0322	
61 4-Methyl-2-pentanone (MIBK)	43		15.807				ND	ND	
62 Toluene	92	16.203	16.192	0.011	93	5262	0.0351	0.0430	
A 63 Toluene Range	1	16.211	(16.128-16.294)		0	23274	NC	NC	
64 n-Octane	43	16.459	16.454	0.005	89	5109	0.0351	0.0249	
A 65 C8 Range	1	16.460	(16.374-16.545)		0	17324	NC	NC	
66 trans-1,3-Dichloropropene	75	16.599	16.593	0.006	93	2848	0.0351	0.0279	
67 1,1,2-Trichloroethane	83		16.968				ND	ND	
68 Tetrachloroethene	166	17.198	17.187	0.011	92	2833	0.0351	0.0358	M
69 2-Hexanone	43		17.380				ND	ND	
70 Chlorodibromomethane	129	17.701	17.706	-0.005	94	3310	0.0351	0.0293	
71 Ethylene Dibromide	107	17.957	17.947	0.010	94	3513	0.0351	0.0324	
* 73 Chlorobenzene-d5	117	18.862	18.862	0.000	92	1717646	10.0	10.0	
74 Chlorobenzene	112	18.920	18.920	0.000	82	4655	0.0351	0.0305	
75 Ethylbenzene	91	19.118	19.118	0.000	97	7733	0.0351	0.0282	
76 m-Xylene & p-Xylene	106	19.370	19.380	-0.010	0	4235	0.0702	0.0434	
77 n-Nonane	57		19.450				ND	ND	
S 80 Xylenes, Total	106				0		0.1052	0.0665	
78 o-Xylene	106	20.151	20.151	0.000	96	2204	0.0351	0.0231	
79 Styrene	104	20.194	20.183	0.011	1	1669	0.0351	0.0108	
81 Bromoform	173	20.520	20.515	0.005	77	1413	0.0351	0.0143	
82 Isopropylbenzene	105	20.836	20.841	-0.005	98	10300	0.0351	0.0357	
83 1,1,2,2-Tetrachloroethane	83	21.344	21.339	0.006	94	4521	0.0351	0.0250	
84 1,2,3-Trichloropropane	75	21.440	21.440	0.000	95	4048	0.0351	0.0290	
85 N-Propylbenzene	91	21.552	21.547	0.005	96	3604	0.0351	0.009727	
86 2-Chlorotoluene	91	21.697	21.692	0.005	94	4097	0.0351	0.0179	
87 4-Ethyltoluene	105	21.745	21.745	0.000	96	2301	0.0351	0.008360	
88 1,3,5-Trimethylbenzene	105	21.836	21.841	-0.005	90	2430	0.0351	0.0104	
89 n-Decane	57		21.873				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		22.162				ND	ND	
91 tert-Butylbenzene	119	22.323	22.318	0.005	87	2695	0.0351	0.0123	
92 1,2,4-Trimethylbenzene	105	22.408	22.403	0.005	92	1687	0.0351	0.007160	
93 sec-Butylbenzene	105	22.649	22.644	0.005	95	2364	0.0351	0.006621	
94 1,3-Dichlorobenzene	146	22.804	22.810	-0.006	87	1197	0.0351	0.008326	
95 4-Isopropyltoluene	119	22.858	22.852	0.006	1	1881	0.0351	0.006666	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	87	1257	0.0351	0.008818	
97 Benzyl chloride	91	23.099	23.093	0.006	1	432	0.0351	0.001885	
98 n-Butylbenzene	91	23.420	23.409	0.011	1	377	0.0351	0.001206	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	83	1281	0.0351	0.009091	
100 Undecane	57		23.564				ND	ND	
101 Dodecane	57		25.153				ND	ND	
102 1,2,4-Trichlorobenzene	180		25.891				ND	ND	
103 Hexachlorobutadiene	225		26.143				ND	ND	
104 Naphthalene	128		26.367				ND	ND	
105 1,2,3-Trichlorobenzene	180		26.785				ND	ND	
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_00273

Amount Added: 35.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_003.D

Injection Date: 18-Dec-2024 15:43:35

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

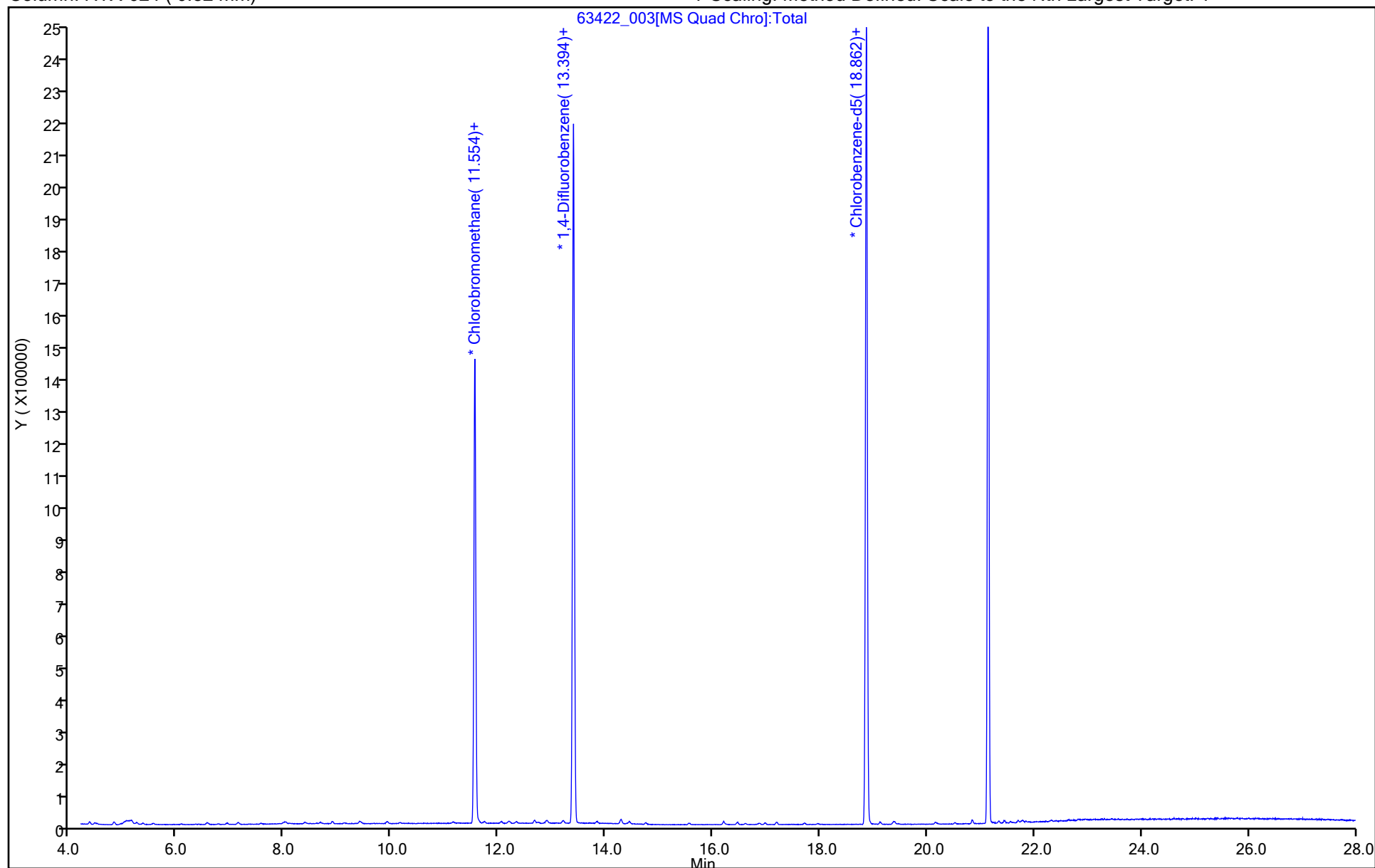
ALS Bottle#: 3

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

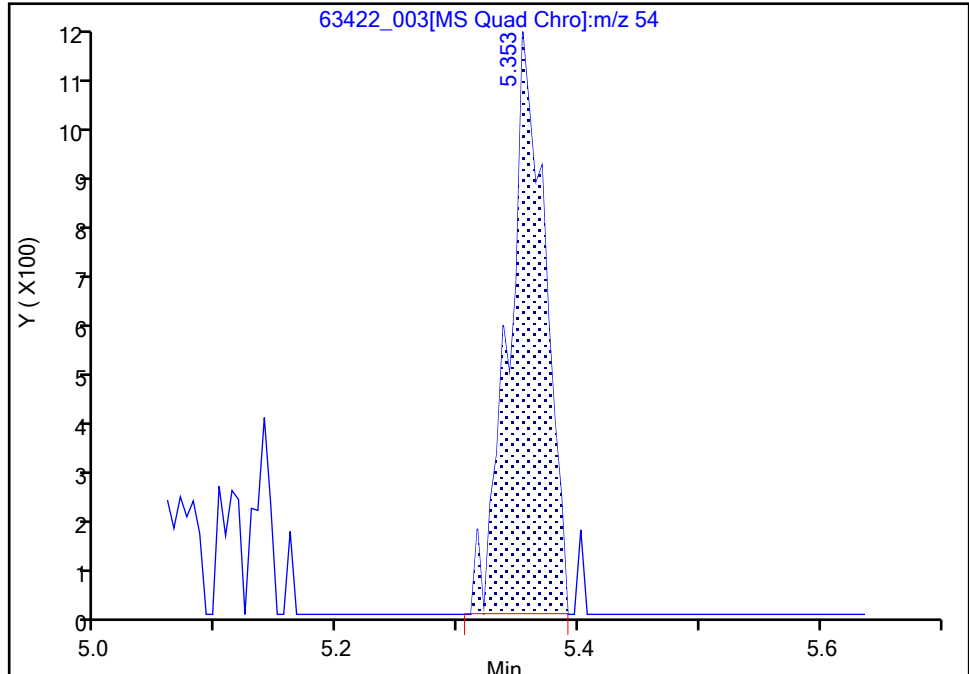
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_003.D
Injection Date: 18-Dec-2024 15:43:35 Instrument ID: CHAN.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Signal: 1

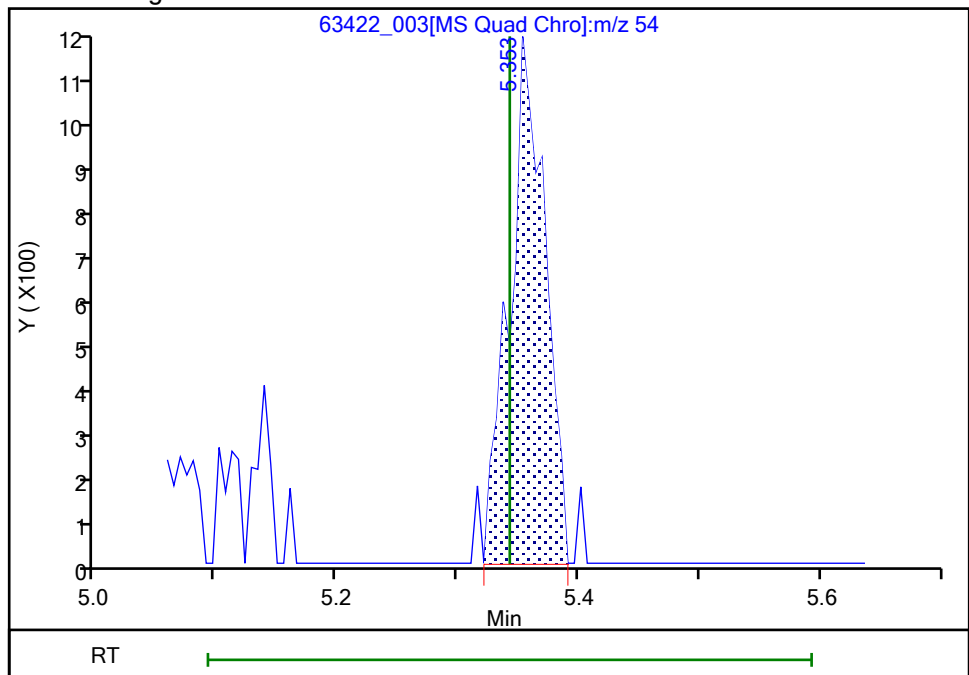
RT: 5.35
Area: 2323
Amount: 0.041376
Amount Units: ppb v/v

Processing Integration Results



RT: 5.35
Area: 2270
Amount: 0.042965
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:05:58 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

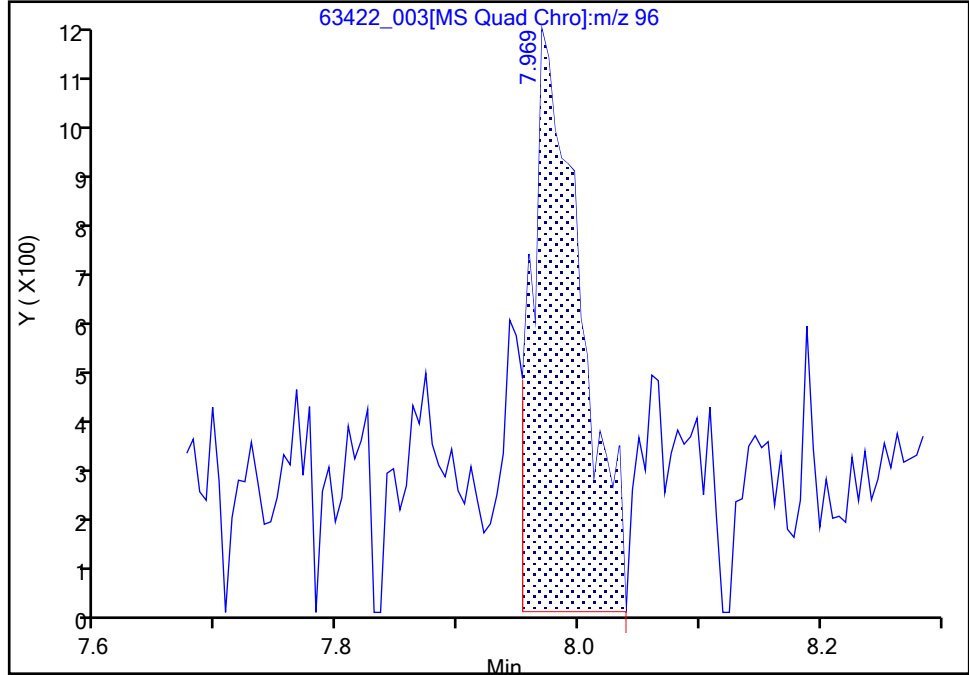
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_003.D
Injection Date: 18-Dec-2024 15:43:35 Instrument ID: CHAN.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

20 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

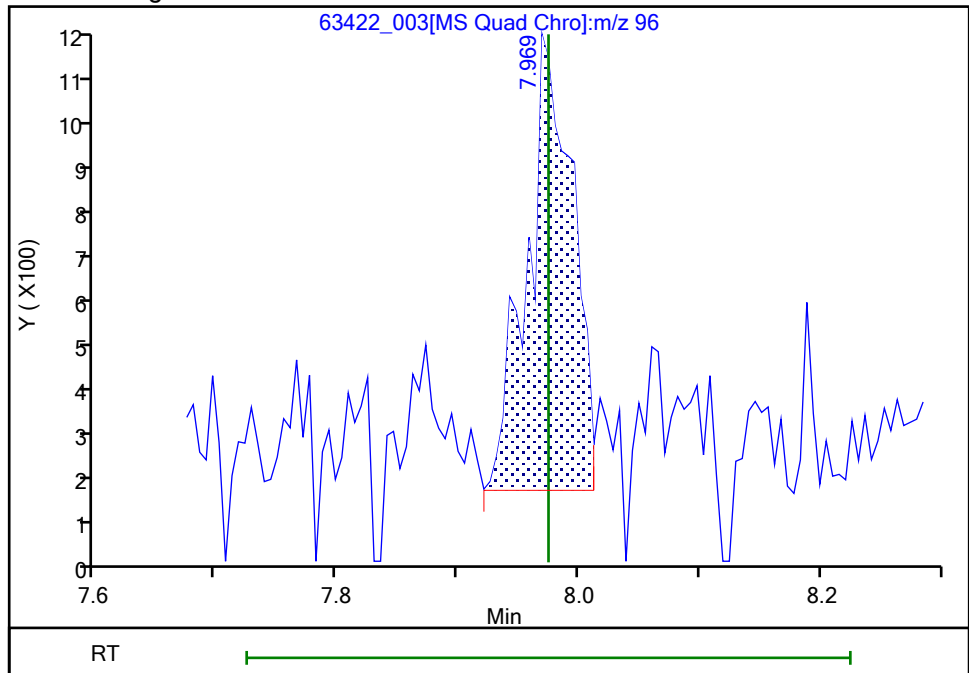
RT: 7.97
Area: 3297
Amount: 0.051182
Amount Units: ppb v/v

Processing Integration Results



RT: 7.97
Area: 2645
Amount: 0.046349
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:06:23 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

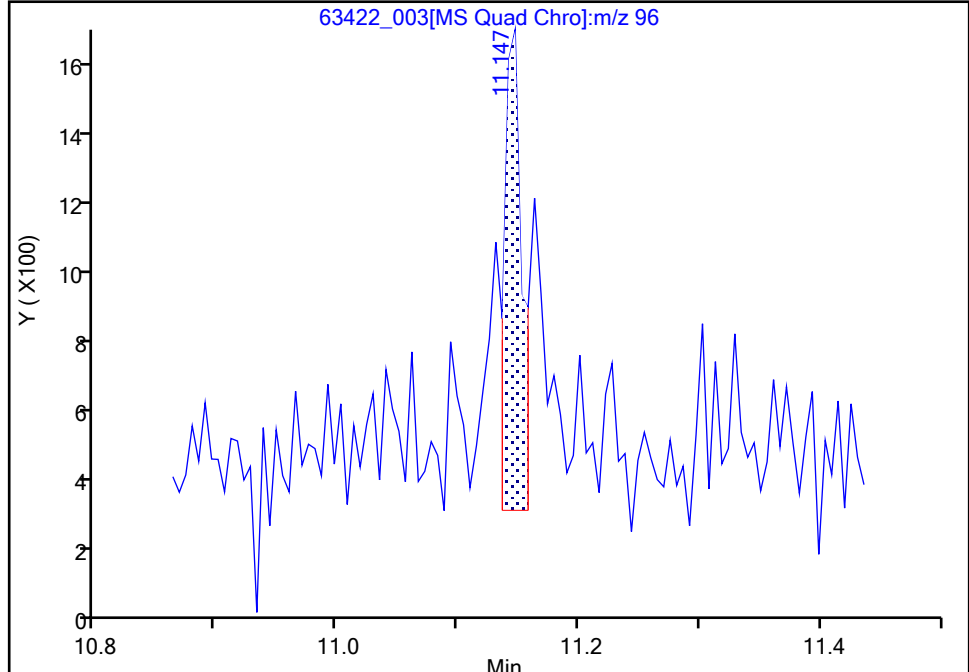
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_003.D
Injection Date: 18-Dec-2024 15:43:35 Instrument ID: CHAN.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

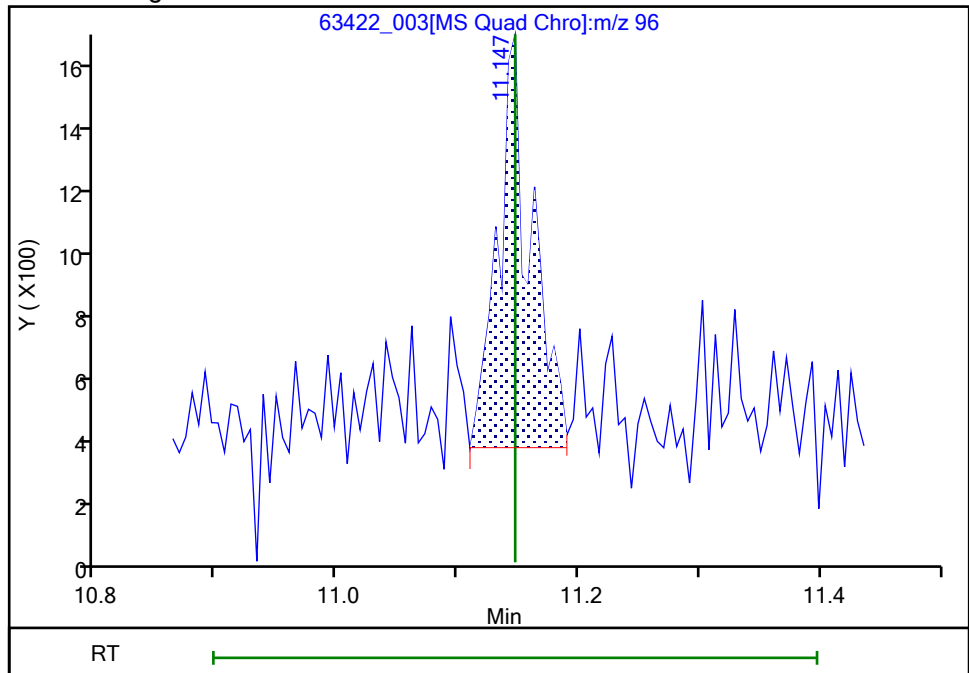
RT: 11.15
Area: 1368
Amount: 0.022490
Amount Units: ppb v/v

Processing Integration Results



RT: 11.15
Area: 2429
Amount: 0.039129
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:07:09 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

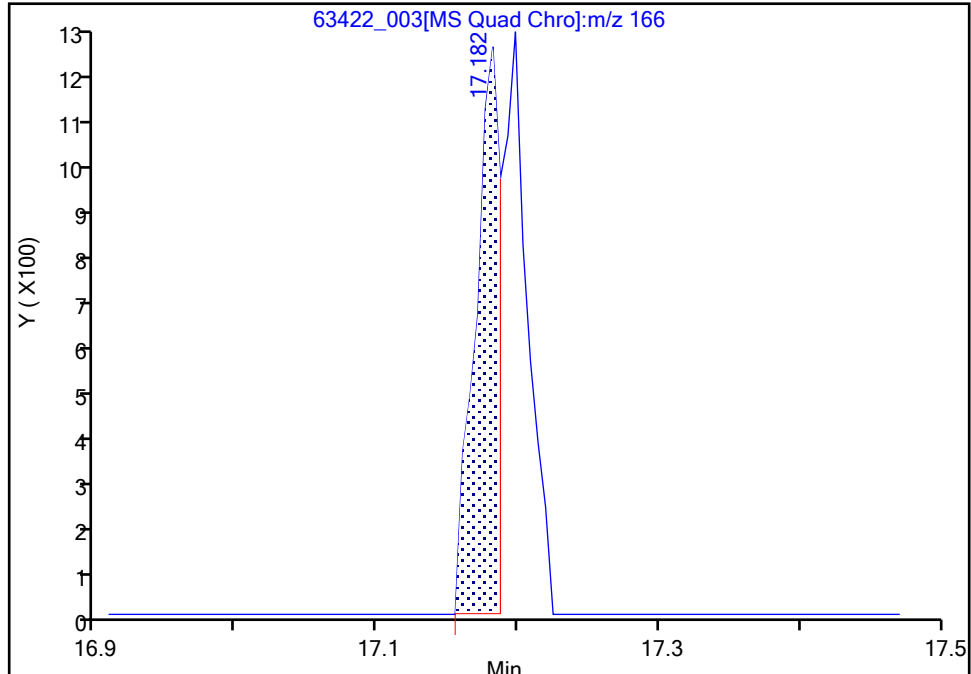
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_003.D
Injection Date: 18-Dec-2024 15:43:35 Instrument ID: CHAN.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

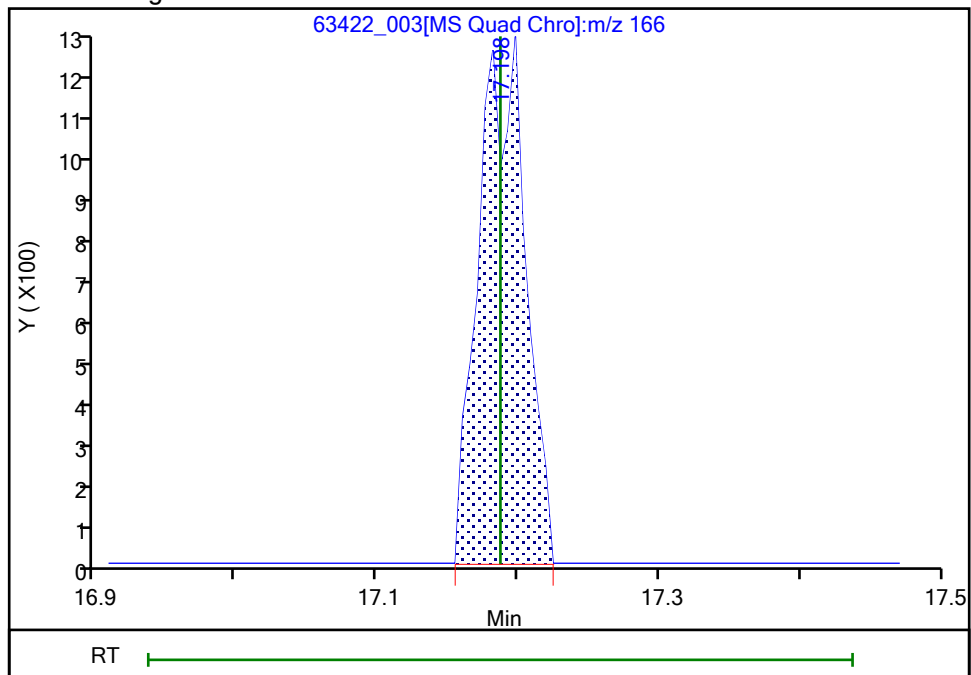
RT: 17.18
Area: 1496
Amount: 0.019620
Amount Units: ppb v/v

Processing Integration Results



RT: 17.20
Area: 2833
Amount: 0.035785
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:07:56 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 18-Dec-2024 18:17:51 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063422-006
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Dec-2024 06:59:37 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1707

First Level Reviewer: F7XK

Date: 19-Dec-2024 10:31:55

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	4.353	0.005	97	14089	0.1702	0.2303	M
2 Dichlorodifluoromethane	85	4.455	4.449	0.006	98	26341	0.1702	0.2074	
3 Chlorodifluoromethane	51	4.497	4.497	0.000	97	21937	0.1702	0.2200	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.818	4.813	0.005	97	26691	0.1702	0.1957	
5 Chloromethane	50	4.936	4.931	0.005	99	13800	0.1702	0.2286	
6 Vinyl chloride	62	5.225	5.230	-0.005	67	10115	0.1702	0.1788	
7 Butane	43	5.230	5.230	0.000	97	17128	0.1702	0.1853	M
8 Butadiene	54	5.343	5.343	0.000	97	8546	0.1702	0.1903	M
9 Bromomethane	94	6.076	6.070	0.006	96	8346	0.1702	0.1957	
10 Chloroethane	64	6.338	6.338	0.000	98	5515	0.1702	0.1896	
12 2-Methylbutane	43	6.552	6.552	0.000	95	15670	0.1702	0.1949	
13 Vinyl bromide	106	6.755	6.755	0.000	96	6881	0.1702	0.1788	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	97	21687	0.1702	0.1965	
15 Pentane	43	7.135	7.129	0.006	95	23675	0.1702	0.2029	M
16 Ethanol	45	7.295	7.274	0.021	97	56398	1.70	1.91	
18 Ethyl ether	59	7.552	7.536	0.016	94	7315	0.1702	0.1855	
19 Acrolein	56	7.782	7.766	0.016	93	4778	0.1993	0.2312	
20 1,1-Dichloroethene	96	7.975	7.975	0.000	90	10063	0.1702	0.2074	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.023	8.023	0.000	90	17113	0.1702	0.1850	
22 Acetone	43	8.071	8.039	0.032	99	34358	0.1702	0.3601	
23 Isopropyl alcohol	45	8.360	8.328	0.032	100	20342	0.1972	0.2129	
24 Carbon disulfide	76	8.381	8.381	0.000	100	27607	0.1702	0.1897	
25 Acetonitrile	41	8.569	8.536	0.033	97	9055	0.1702	0.1743	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	96	16899	0.1702	0.2091	
27 Methylene Chloride	49	8.890	8.895	-0.005	96	16194	0.1702	0.2283	
28 2-Methyl-2-propanol	59	9.120	9.093	0.027	98	20312	0.1702	0.1805	
29 Acrylonitrile	53	9.296	9.280	0.016	89	6747	0.1702	0.1574	
30 trans-1,2-Dichloroethene	61	9.398	9.392	0.006	93	15204	0.1702	0.1867	
31 Methyl tert-butyl ether	73	9.419	9.398	0.021	96	27197	0.1702	0.1891	
32 Hexane	57	9.917	9.917	0.000	94	16559	0.1702	0.1849	
33 1,1-Dichloroethane	63	10.157	10.157	0.000	100	19564	0.1702	0.1875	

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	10.174	10.163	0.011	14	20311	0.1938	0.1446	M
S 35 1,2-Dichloroethene, Total	61				0		0.3403	0.3815	
36 2-Butanone (MEK)	72	11.136	11.110	0.026	100	4728	0.1702	0.1761	M
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	94	10279	0.1702	0.1948	
38 Ethyl acetate	88	11.217	11.201	0.016	94	296	0.1702	0.0712	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	94	347417	10.0	10.0	
40 Tetrahydrofuran	42	11.618	11.597	0.021	95	14825	0.1702	0.1971	
41 Chloroform	83	11.730	11.730	0.000	95	20235	0.1702	0.1891	
42 1,1,1-Trichloroethane	97	12.046	12.046	0.000	96	19732	0.1702	0.1951	
43 Cyclohexane	84	12.196	12.190	0.006	92	12351	0.1702	0.1873	M
44 Carbon tetrachloride	117	12.329	12.324	0.005	94	18389	0.1702	0.1928	
45 Benzene	78	12.667	12.667	0.001	98	31361	0.1702	0.1931	
46 1,2-Dichloroethane	62	12.736	12.731	0.005	93	15102	0.1702	0.1962	
47 Isooctane	57	12.897	12.897	0.000	96	54946	0.1702	0.1886	
48 n-Heptane	43	13.202	13.201	0.001	97	23978	0.1702	0.1960	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	98	1728494	10.0	10.0	
50 n-Butanol	56	13.624	13.603	0.021	92	6494	0.1702	0.1515	
51 Trichloroethene	95	13.833	13.833	0.000	87	12464	0.1702	0.1857	
53 1,2-Dichloropropane	63	14.282	14.282	0.000	73	12747	0.1702	0.1824	
54 Methyl methacrylate	69	14.378	14.368	0.010	88	9241	0.1702	0.1548	
55 1,4-Dioxane	88	14.427	14.405	0.022	52	5302	0.1702	0.1735	
57 Dibromomethane	174	14.437	14.432	0.005	87	9290	0.1702	0.1912	
58 Dichlorobromomethane	83	14.742	14.742	0.000	96	21887	0.1702	0.1844	
59 cis-1,3-Dichloropropene	75	15.550	15.545	0.005	98	18582	0.1702	0.1715	
61 4-Methyl-2-pentanone (MIBK)	43	15.823	15.807	0.016	95	26585	0.1702	0.1708	M
62 Toluene	92	16.203	16.192	0.011	92	20706	0.1702	0.1961	
A 63 Toluene Range	1	16.211	(16.128-16.294)		0	95378	NC	NC	
64 n-Octane	43	16.454	16.454	0.000	98	33725	0.1702	0.1941	
A 65 C8 Range	1	16.460	(16.374-16.545)		0	115879	NC	NC	
66 trans-1,3-Dichloropropene	75	16.593	16.593	0.000	96	14731	0.1702	0.1708	
67 1,1,2-Trichloroethane	83	16.973	16.968	0.005	94	10929	0.1702	0.1876	
68 Tetrachloroethene	166	17.192	17.187	0.005	89	12794	0.1702	0.1872	
69 2-Hexanone	43	17.390	17.380	0.010	90	20378	0.1702	0.1443	M
70 Chlorodibromomethane	129	17.706	17.706	0.000	95	16975	0.1702	0.1742	
71 Ethylene Dibromide	107	17.947	17.947	0.000	96	16617	0.1702	0.1775	
* 73 Chlorobenzene-d5	117	18.862	18.862	0.000	93	1482793	10.0	10.0	
74 Chlorobenzene	112	18.920	18.920	0.000	88	24651	0.1702	0.1872	
75 Ethylbenzene	91	19.118	19.118	0.000	99	44379	0.1702	0.1876	
76 m-Xylene & p-Xylene	106	19.386	19.380	0.006	0	30335	0.3403	0.3600	
77 n-Nonane	57	19.450	19.450	0.000	96	27277	0.1702	0.1928	
S 80 Xylenes, Total	106				0		0.5105	0.5432	
78 o-Xylene	106	20.151	20.151	0.000	97	15103	0.1702	0.1832	
79 Styrene	104	20.183	20.183	0.000	98	21931	0.1702	0.1643	
81 Bromoform	173	20.520	20.515	0.005	90	14397	0.1702	0.1690	
82 Isopropylbenzene	105	20.841	20.841	0.000	98	46499	0.1702	0.1866	
83 1,1,2,2-Tetrachloroethane	83	21.339	21.339	0.001	98	27595	0.1702	0.1764	
84 1,2,3-Trichloropropane	75	21.435	21.440	-0.005	96	23002	0.1702	0.1907	
85 N-Propylbenzene	91	21.553	21.547	0.005	97	58878	0.1702	0.1841	
86 2-Chlorotoluene	91	21.692	21.692	0.000	97	36052	0.1702	0.1829	
87 4-Ethyltoluene	105	21.745	21.745	0.000	97	41326	0.1702	0.1739	
88 1,3,5-Trimethylbenzene	105	21.841	21.841	0.000	90	35368	0.1702	0.1755	
89 n-Decane	57	21.879	21.873	0.006	86	33050	0.1702	0.1826	

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	22.162	22.162	0.000	78	13882	0.1702	0.1411	
91 tert-Butylbenzene	119	22.318	22.318	0.000	88	34034	0.1702	0.1802	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	98	34523	0.1702	0.1697	Ma
93 sec-Butylbenzene	105	22.644	22.644	0.000	98	54710	0.1702	0.1775	
94 1,3-Dichlorobenzene	146	22.810	22.810	0.000	95	19354	0.1702	0.1559	
95 4-Isopropyltoluene	119	22.853	22.852	0.000	96	41633	0.1702	0.1709	
96 1,4-Dichlorobenzene	146	22.954	22.949	0.005	88	19070	0.1702	0.1550	
97 Benzyl chloride	91	23.093	23.093	0.000	97	28436	0.1702	0.1437	
98 n-Butylbenzene	91	23.414	23.409	0.005	98	42185	0.1702	0.1564	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	90	19400	0.1702	0.1595	
100 Undecane	57	23.564	23.564	0.000	92	27670	0.1702	0.1321	
101 Dodecane	57	25.153	25.153	0.000	92	17436	0.1702	0.0871	
102 1,2,4-Trichlorobenzene	180	25.886	25.891	-0.005	90	7332	0.1996	0.0919	
103 Hexachlorobutadiene	225	26.143	26.143	0.000	87	11699	0.1913	0.1653	
104 Naphthalene	128	26.367	26.367	0.000	97	18967	0.2023	0.1015	
105 1,2,3-Trichlorobenzene	180	26.779	26.785	-0.006	92	8668	0.1982	0.1070	
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

a - User Assigned ID

Reagents:

ATTO15CAL2w_00353

Amount Added: 68.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Dec-2024 06:59:38

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D

Injection Date: 18-Dec-2024 18:17:51

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: IC

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

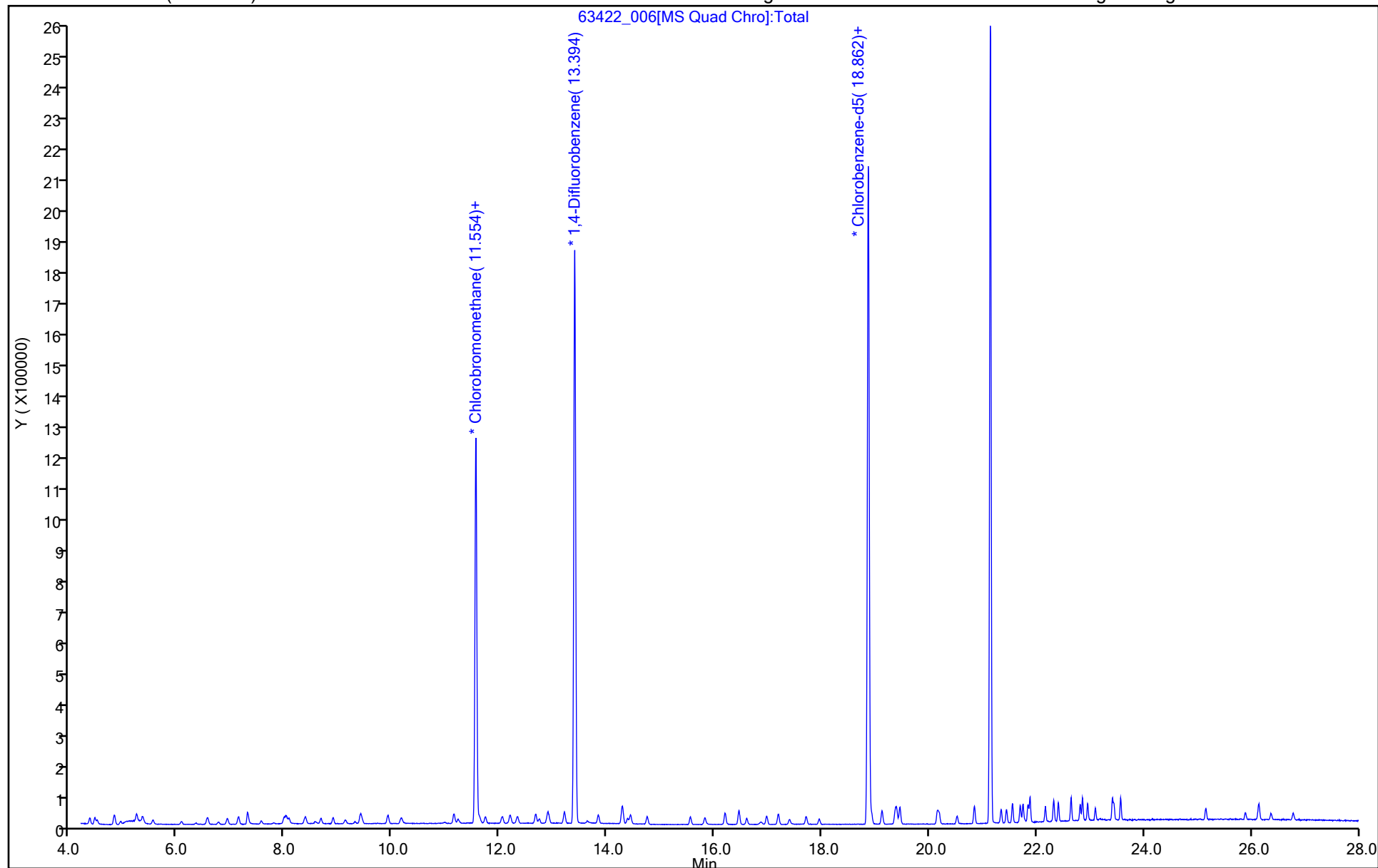
ALS Bottle#: 5

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



1/7/2025
5:38:14 PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D

Injection Date: 18-Dec-2024 18:17:51

Instrument ID: CHAN.i

Lims ID: IC

Client ID:

Operator ID: wrd

ALS Bottle#:

5

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)

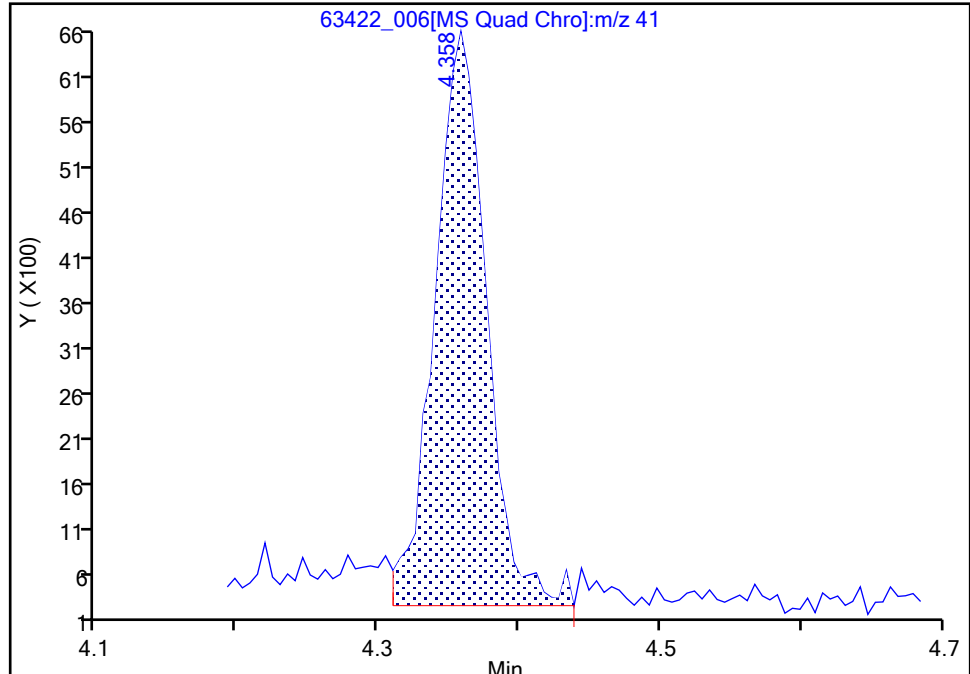
Detector: MS SCAN

1 Propene, CAS: 115-07-1

Signal: 1

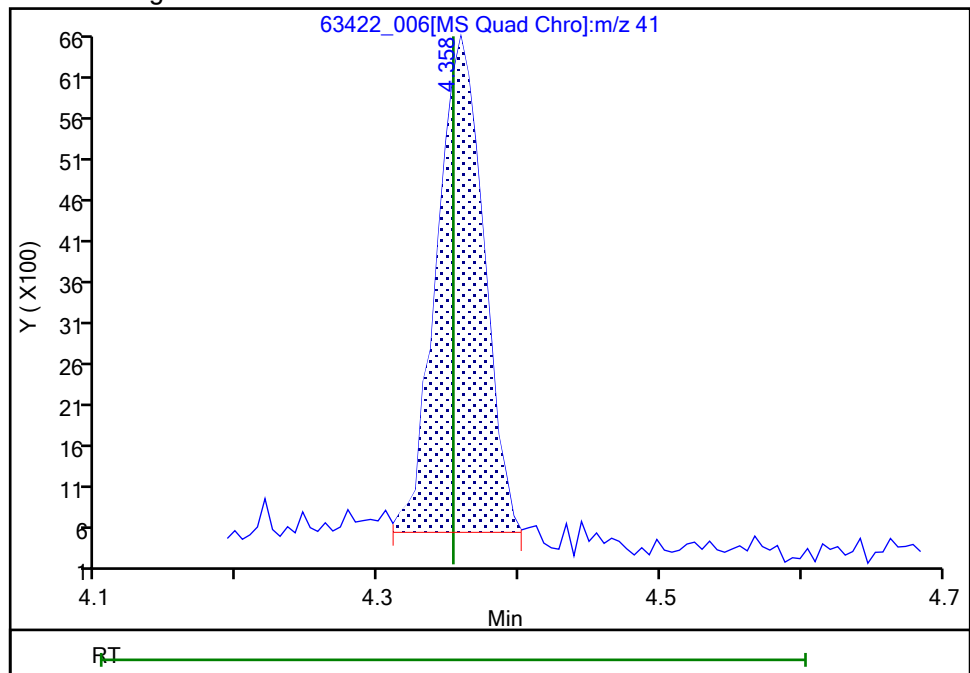
RT: 4.36
Area: 16150
Amount: 0.185564
Amount Units: ppb v/v

Processing Integration Results



RT: 4.36
Area: 14089
Amount: 0.230299
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:24:24 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D

Injection Date: 18-Dec-2024 18:17:51

Instrument ID: CHAN.i

Lims ID: IC

Client ID:

Operator ID: wrd

ALS Bottle#:

5

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)

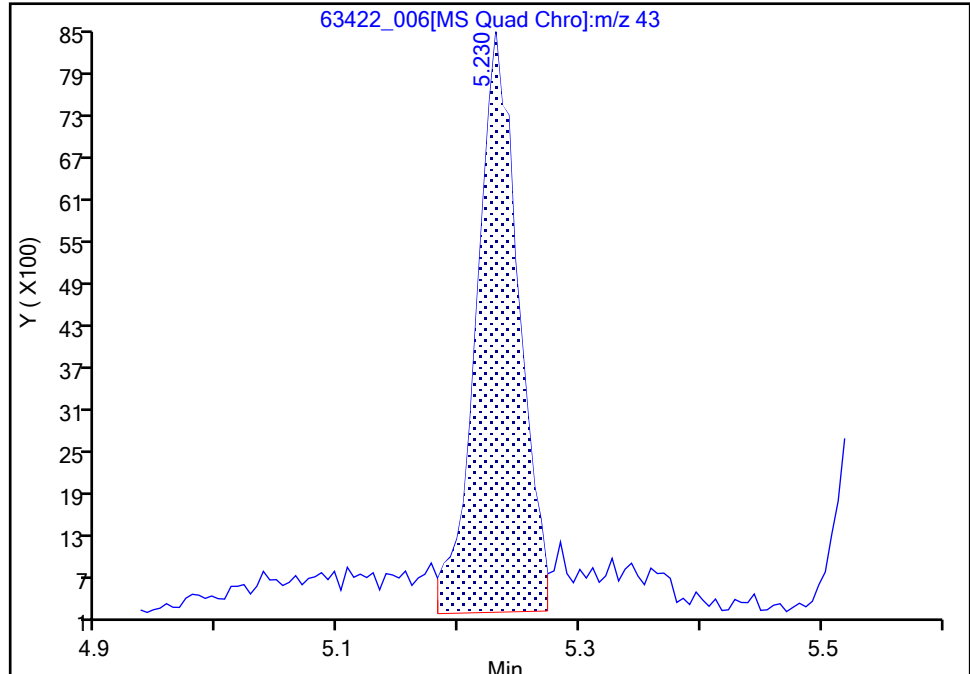
Detector: MS SCAN

7 Butane, CAS: 106-97-8

Signal: 1

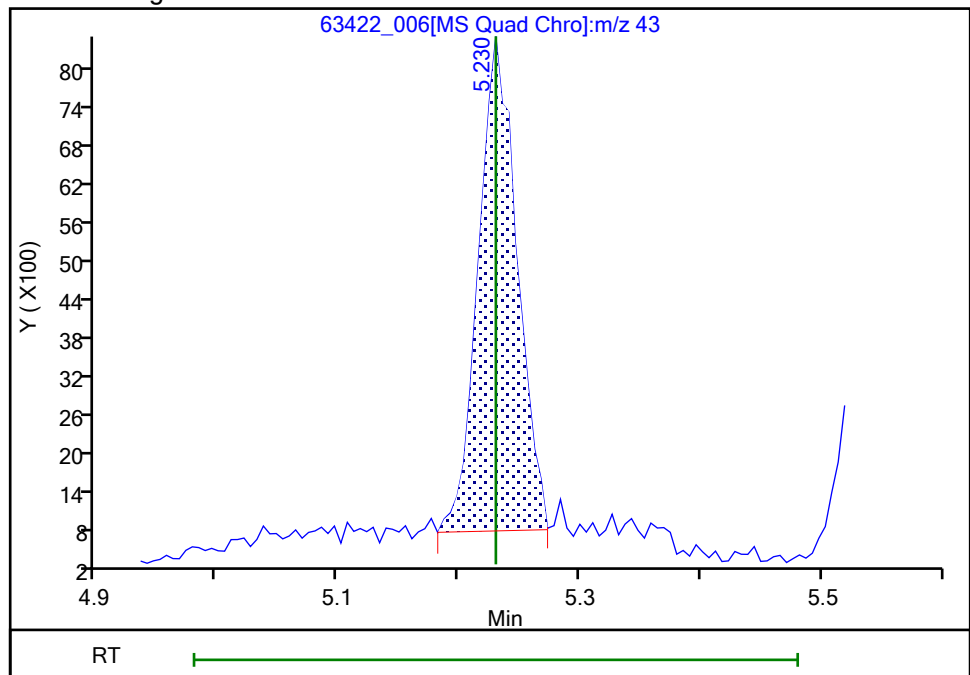
RT: 5.23
Area: 20078
Amount: 0.182855
Amount Units: ppb v/v

Processing Integration Results



RT: 5.23
Area: 17128
Amount: 0.185305
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:24:51 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

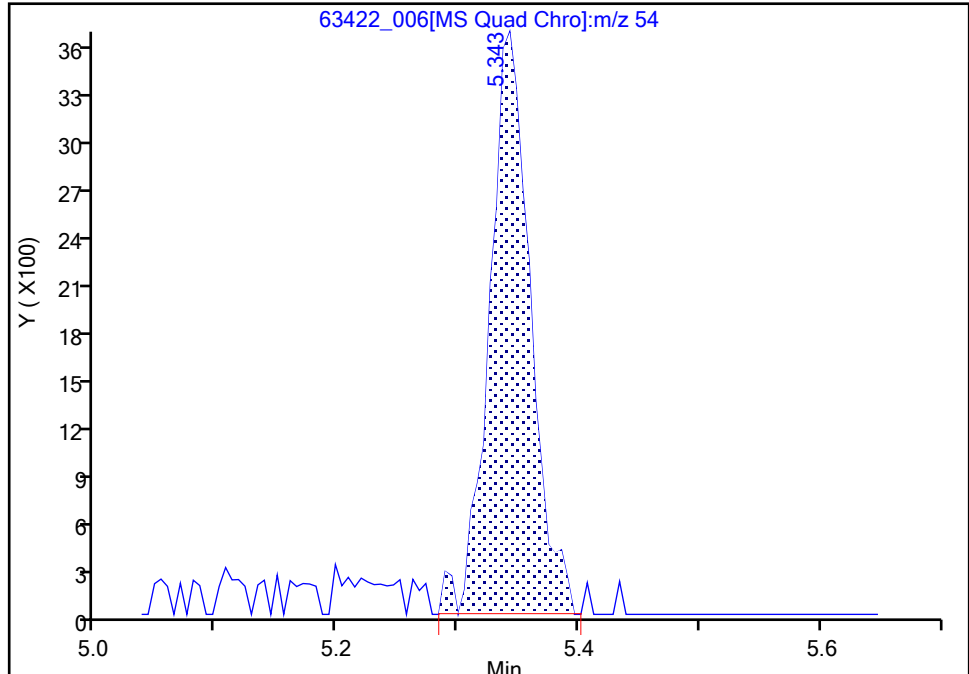
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D
Injection Date: 18-Dec-2024 18:17:51 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Signal: 1

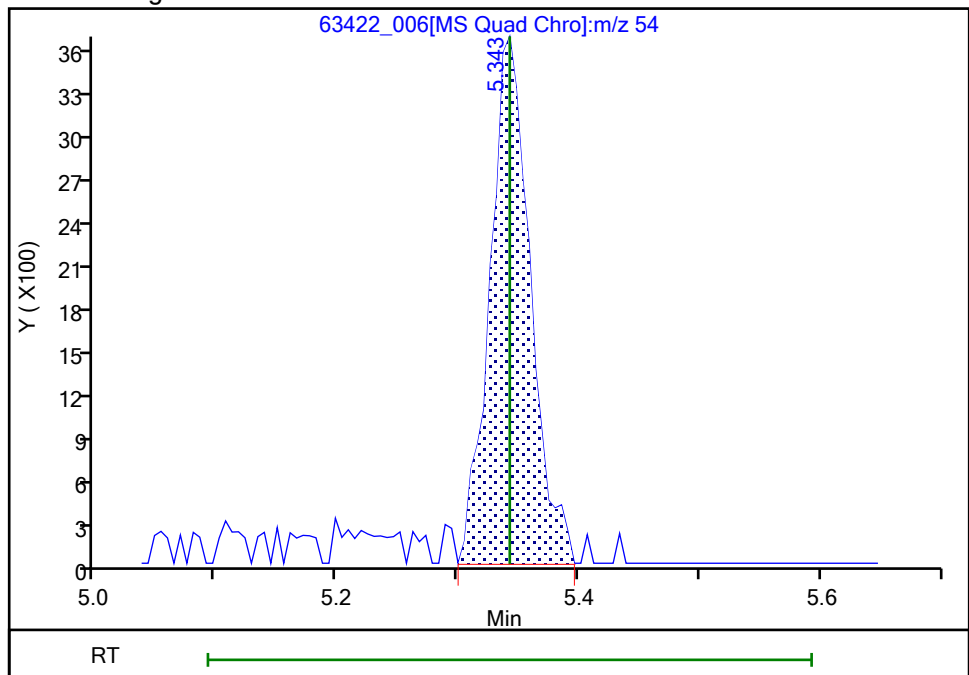
RT: 5.34
Area: 8711
Amount: 0.183833
Amount Units: ppb v/v

Processing Integration Results



RT: 5.34
Area: 8546
Amount: 0.190283
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:25:08 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D

Injection Date: 18-Dec-2024 18:17:51

Instrument ID: CHAN.i

Lims ID: IC

Client ID:

Operator ID: wrd

ALS Bottle#:

5

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)

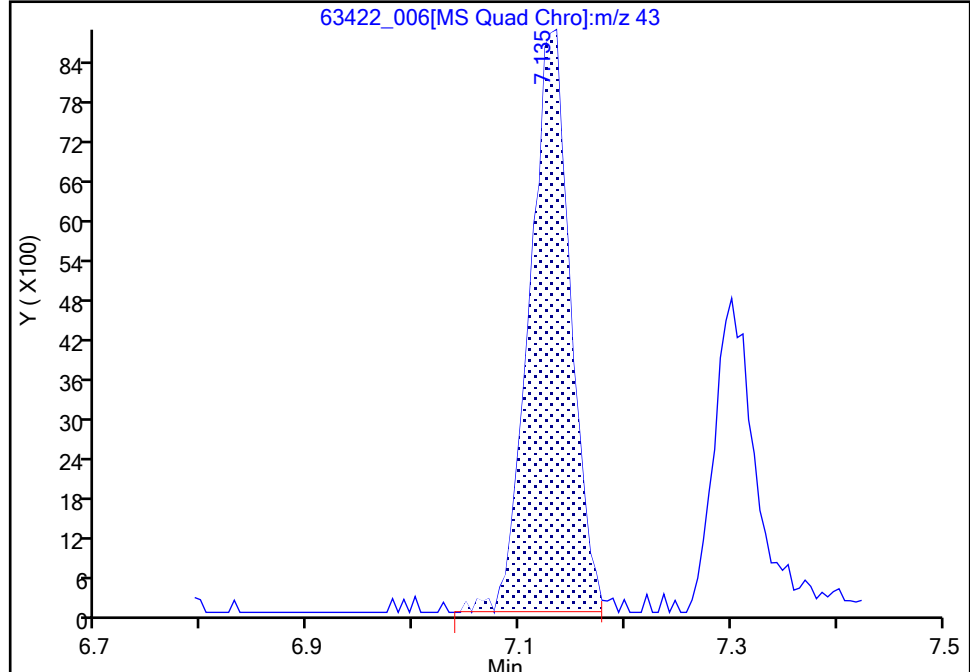
Detector: MS SCAN

15 Pentane, CAS: 109-66-0

Signal: 1

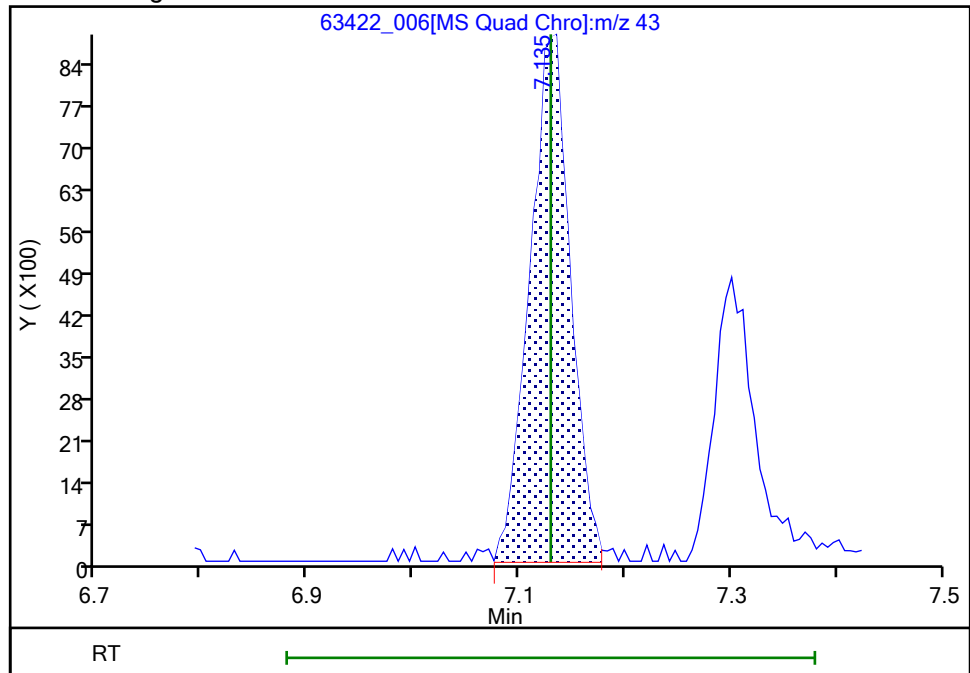
RT: 7.13
Area: 23908
Amount: 0.174133
Amount Units: ppb v/v

Processing Integration Results



RT: 7.13
Area: 23675
Amount: 0.202896
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:25:53 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

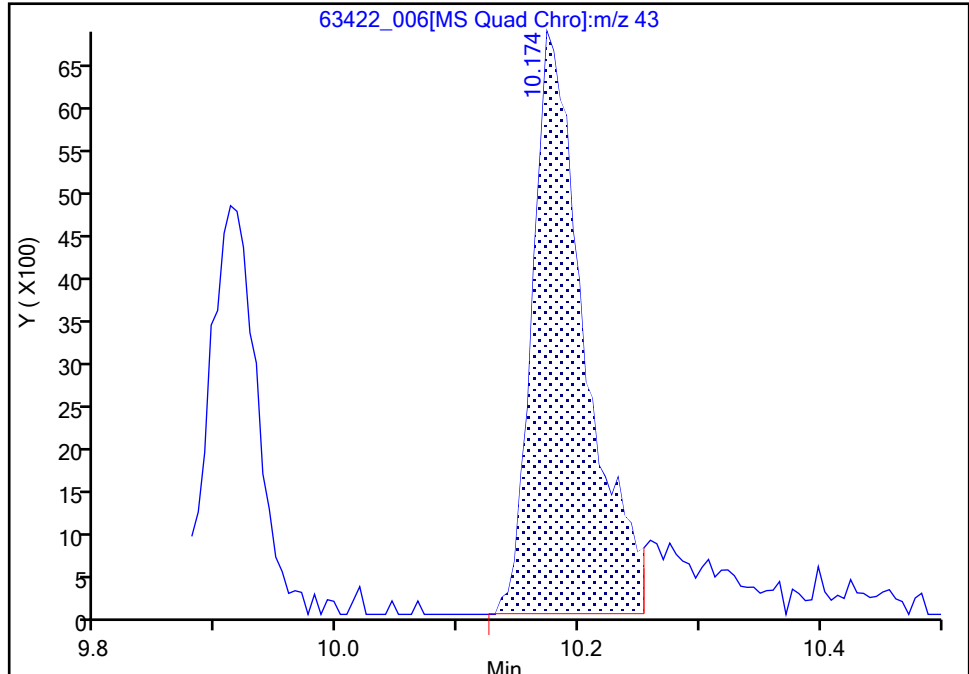
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D
Injection Date: 18-Dec-2024 18:17:51 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

34 Vinyl acetate, CAS: 108-05-4

Signal: 1

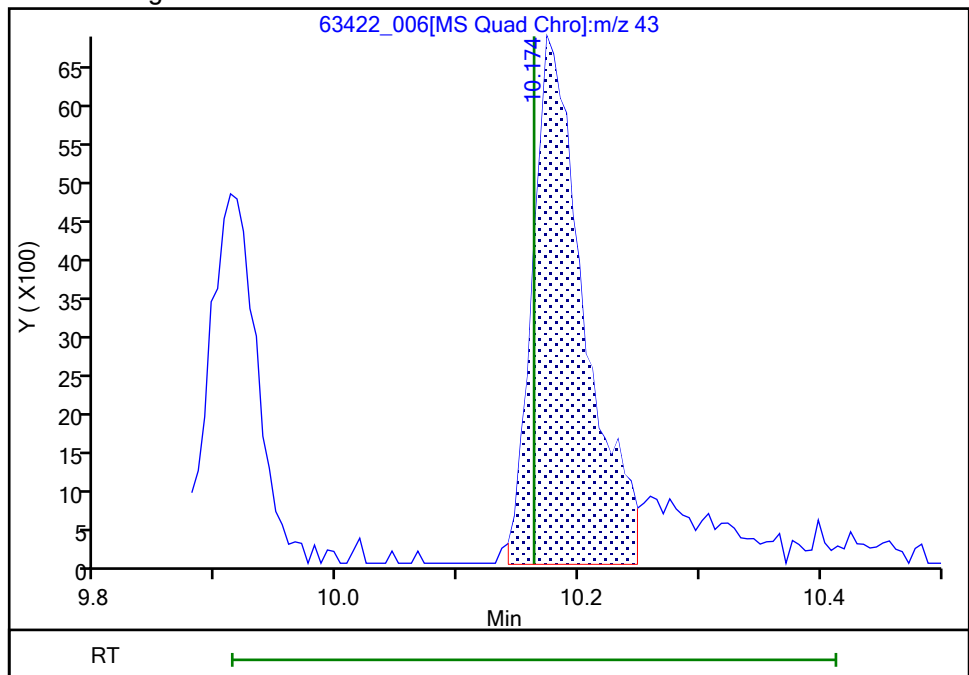
RT: 10.17
Area: 20625
Amount: 0.170811
Amount Units: ppb v/v

Processing Integration Results



RT: 10.17
Area: 20311
Amount: 0.144600
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:27:12 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

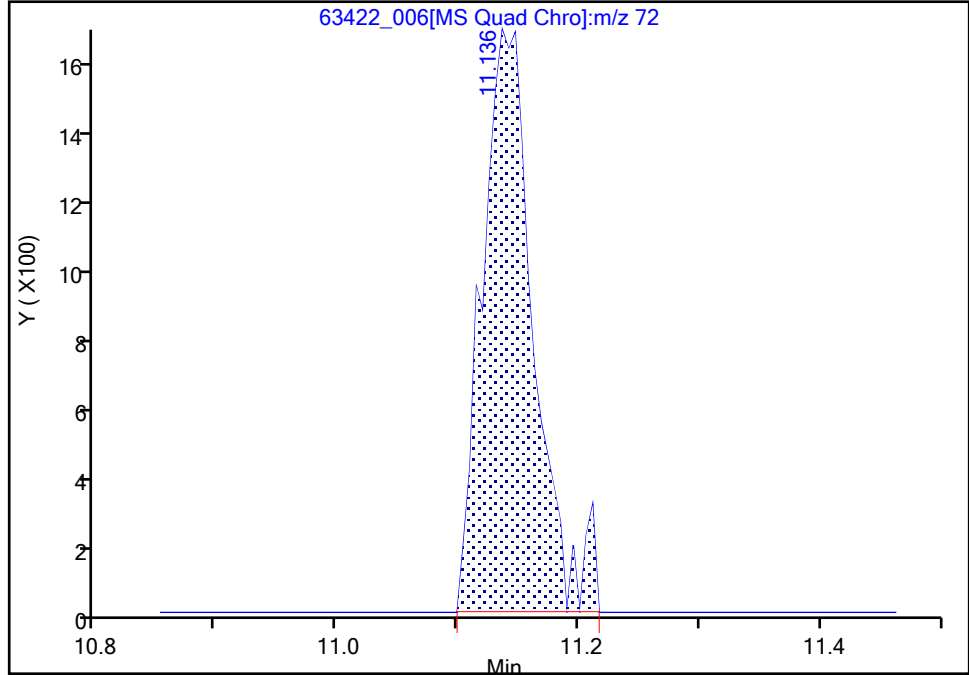
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D
Injection Date: 18-Dec-2024 18:17:51 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

36 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

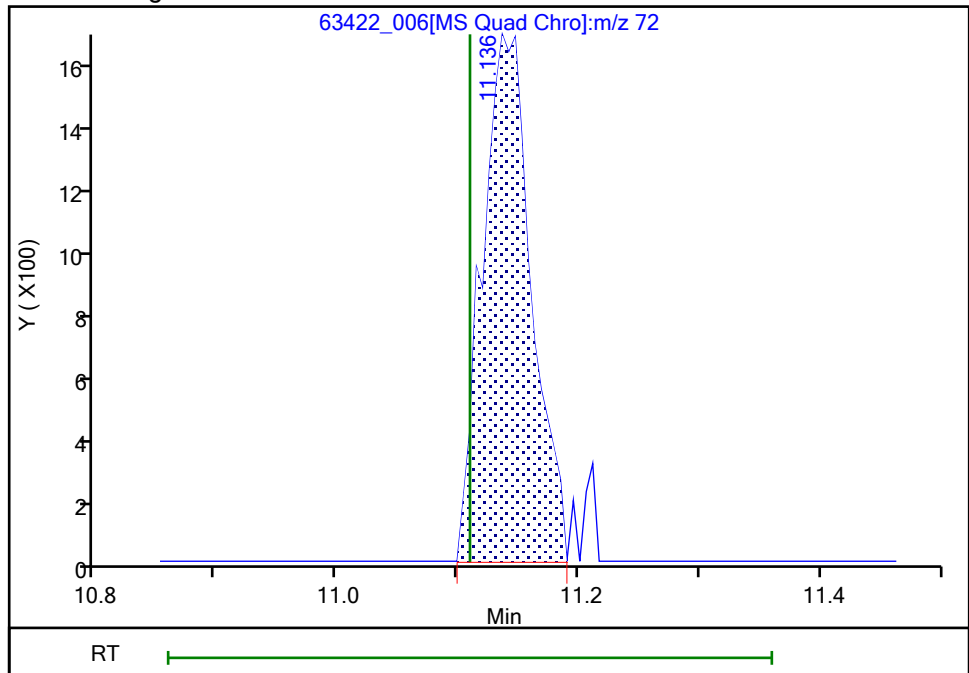
RT: 11.14
Area: 4960
Amount: 0.227664
Amount Units: ppb v/v

Processing Integration Results



RT: 11.14
Area: 4728
Amount: 0.176053
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:27:33 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

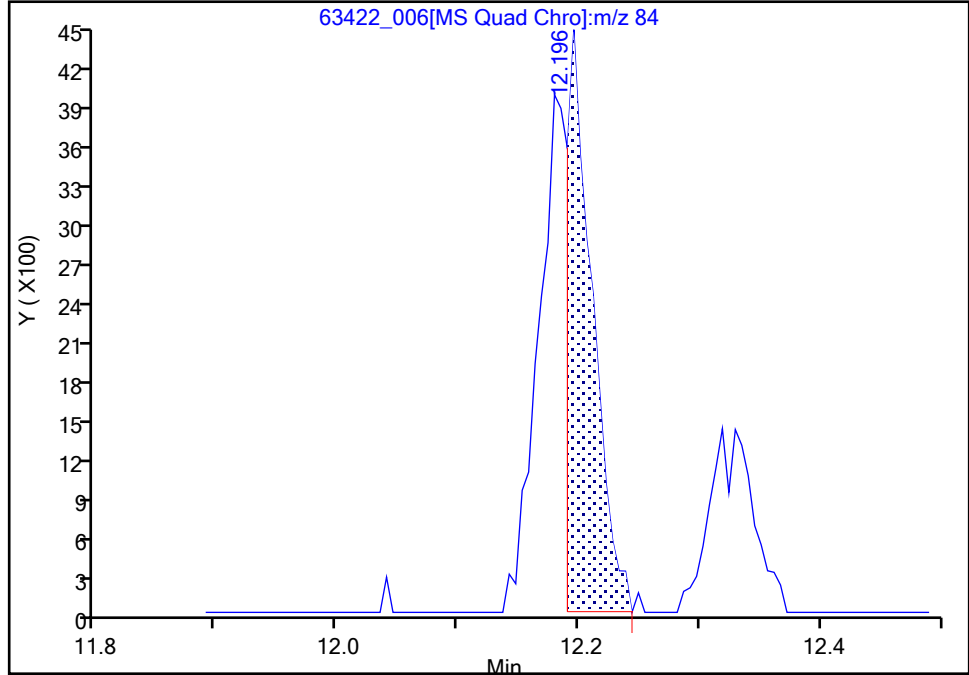
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D
Injection Date: 18-Dec-2024 18:17:51 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

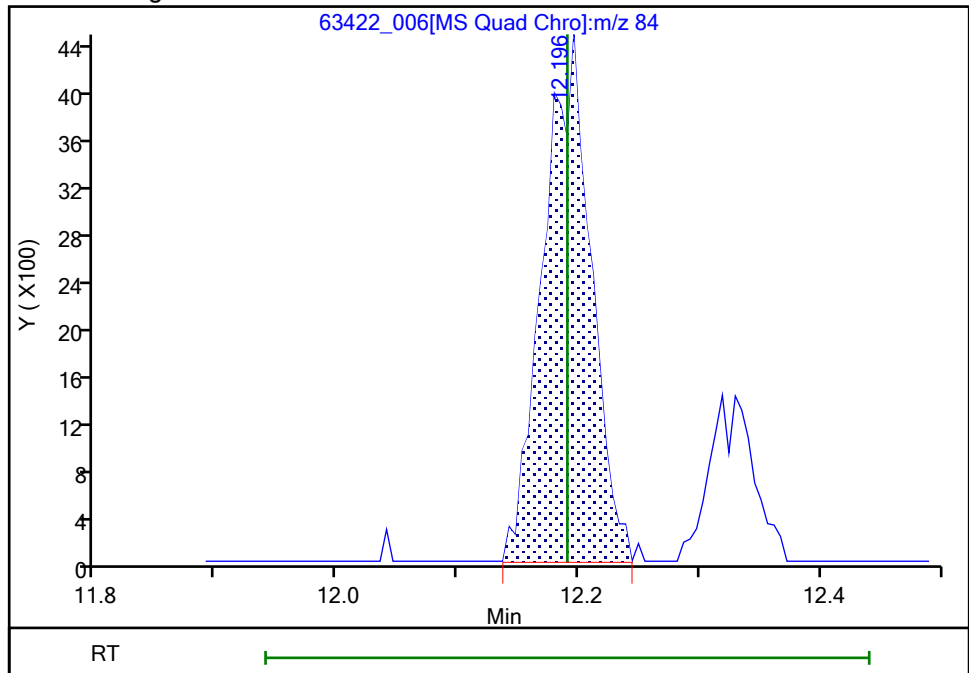
RT: 12.20
Area: 6688
Amount: 0.093329
Amount Units: ppb v/v

Processing Integration Results



RT: 12.20
Area: 12351
Amount: 0.187315
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:28:06 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

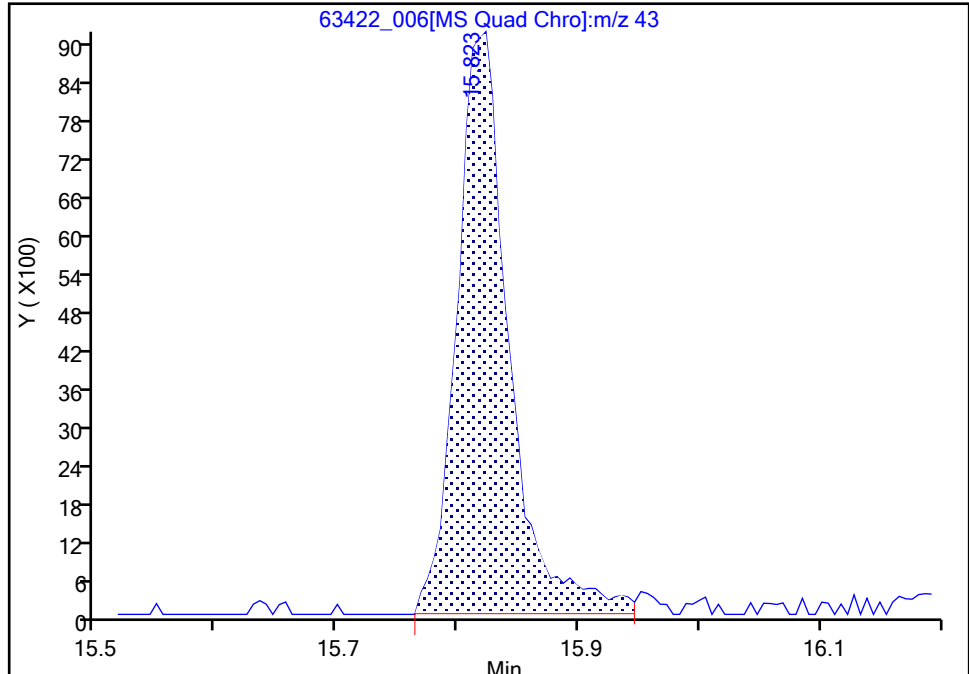
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D
Injection Date: 18-Dec-2024 18:17:51 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

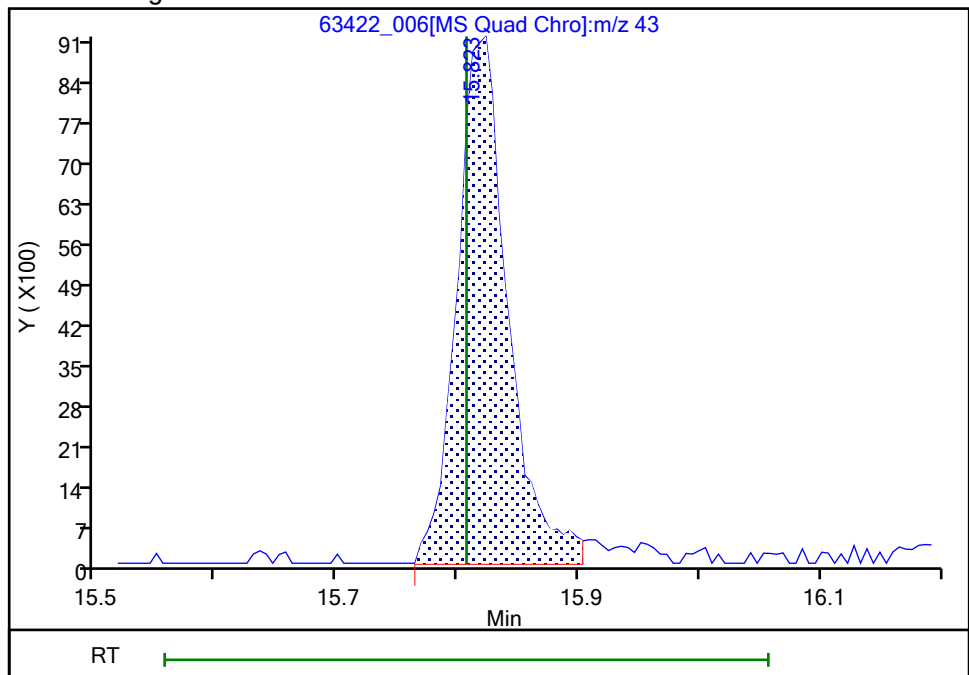
RT: 15.82
Area: 27342
Amount: 0.198172
Amount Units: ppb v/v

Processing Integration Results



RT: 15.82
Area: 26585
Amount: 0.170807
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:29:10 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

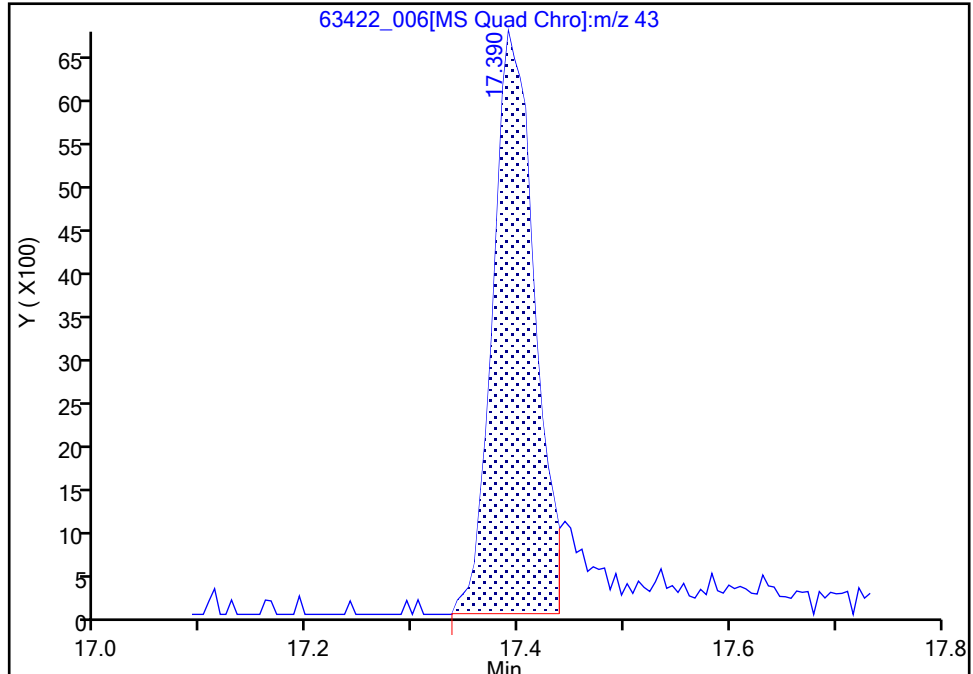
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D
Injection Date: 18-Dec-2024 18:17:51 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Signal: 1

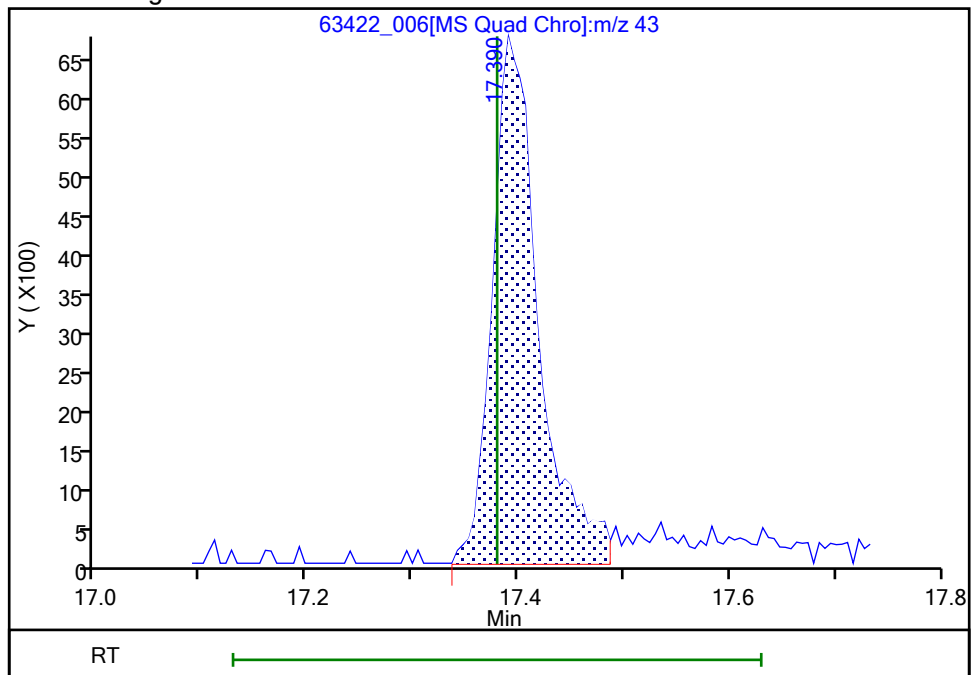
RT: 17.39
Area: 18482
Amount: 0.117727
Amount Units: ppb v/v

Processing Integration Results



RT: 17.39
Area: 20378
Amount: 0.144329
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:30:01 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_006.D

Injection Date: 18-Dec-2024 18:17:51

Instrument ID: CHAN.i

Lims ID: IC

Client ID:

Operator ID: wrd

ALS Bottle#:

5

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

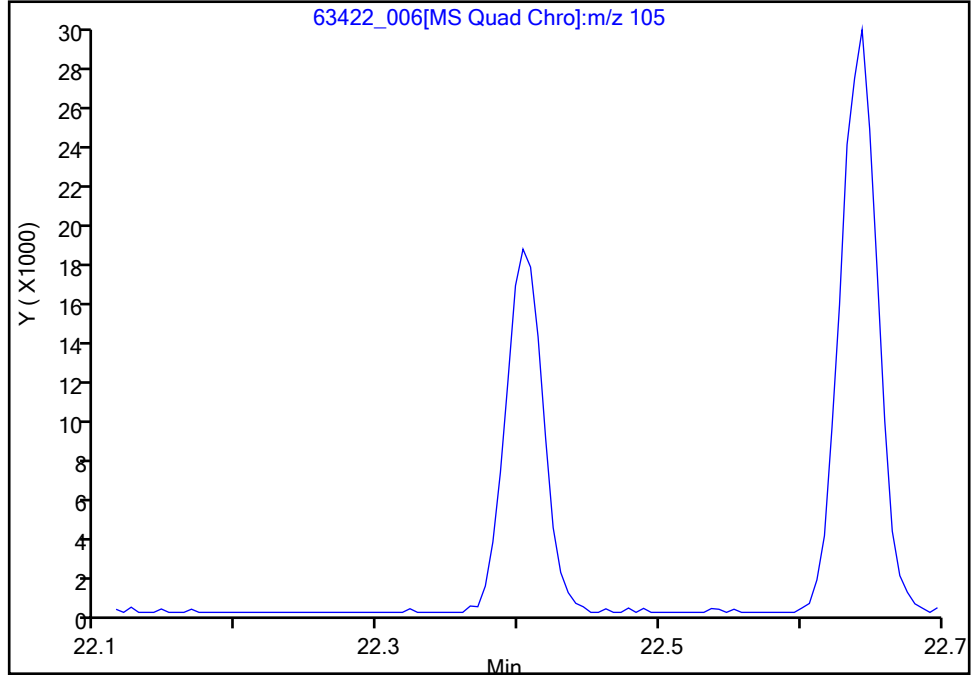
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

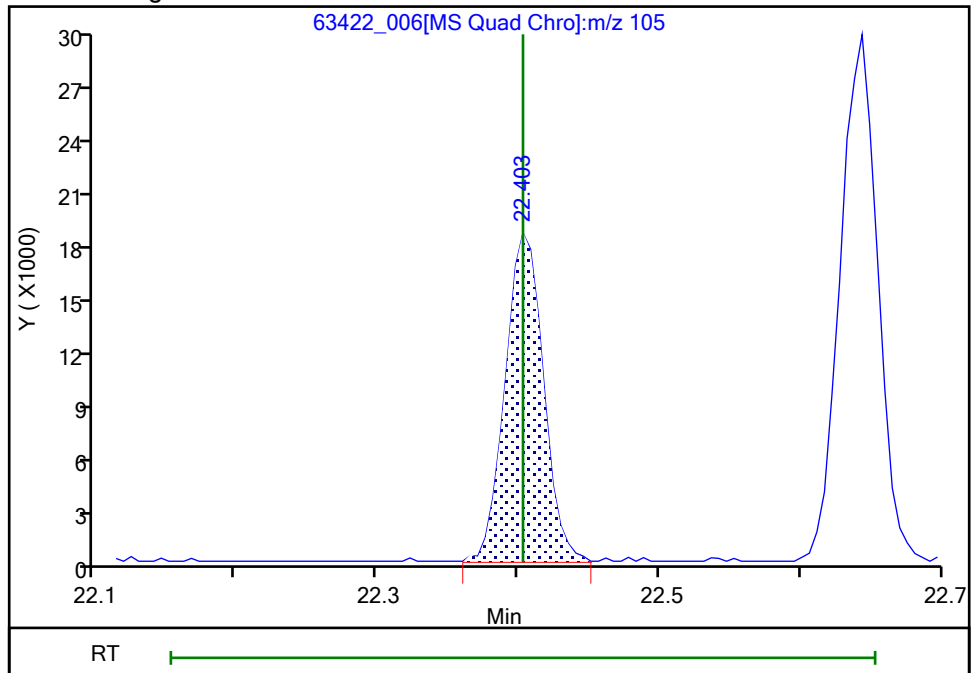
Not Detected

Expected RT: 22.40

Processing Integration Results



Manual Integration Results



RT: 22.40

Area: 34523

Amount: 0.169725

Amount Units: ppb v/v

Reviewer: F7XK, 19-Dec-2024 10:31:02 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_008.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 18-Dec-2024 20:00:50 ALS Bottle#: 5 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063422-008
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Dec-2024 06:59:31 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1707

First Level Reviewer: BKZ7

Date: 19-Dec-2024 06:59:31

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	4.353	4.353	0.000	98	300953	4.25	5.45	
2 Dichlorodifluoromethane	85	4.455	4.449	0.006	99	637945	4.25	5.57	
3 Chlorodifluoromethane	51	4.498	4.497	0.001	97	505990	4.25	5.62	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	97	649006	4.25	5.27	
5 Chloromethane	50	4.931	4.931	0.000	99	287062	4.25	5.27	
6 Vinyl chloride	62	5.230	5.230	0.000	100	228503	4.25	4.48	
7 Butane	43	5.236	5.230	0.006	98	391808	4.25	4.70	
8 Butadiene	54	5.343	5.343	0.000	98	176567	4.25	4.36	
9 Bromomethane	94	6.065	6.070	-0.005	98	185817	4.25	4.83	
10 Chloroethane	64	6.338	6.338	0.000	99	129818	4.25	4.95	
12 2-Methylbutane	43	6.552	6.552	0.000	95	362908	4.25	5.00	
13 Vinyl bromide	106	6.755	6.755	0.000	98	170500	4.25	4.91	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	514720	4.25	5.17	
15 Pentane	43	7.130	7.129	0.001	97	544519	4.25	5.17	
16 Ethanol	45	7.285	7.274	0.011	97	211547	6.38	7.94	
18 Ethyl ether	59	7.536	7.536	0.000	96	175401	4.25	4.93	
19 Acrolein	56	7.766	7.766	0.000	97	106099	4.98	5.69	
20 1,1-Dichloroethene	96	7.980	7.975	0.005	91	198718	4.25	4.54	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.023	8.023	0.000	90	417397	4.25	5.00	
22 Acetone	43	8.044	8.039	0.005	100	466378	4.25	5.42	
23 Isopropyl alcohol	45	8.333	8.328	0.005	100	533933	4.92	6.19	
24 Carbon disulfide	76	8.381	8.381	0.000	100	652359	4.25	4.97	
25 Acetonitrile	41	8.537	8.536	0.001	98	242553	4.25	5.18	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	95	347075	4.25	4.76	
27 Methylene Chloride	49	8.895	8.895	0.000	96	333788	4.25	5.22	
28 2-Methyl-2-propanol	59	9.104	9.093	0.011	98	537847	4.25	5.30	
29 Acrylonitrile	53	9.280	9.280	0.000	93	191726	4.25	4.96	
30 trans-1,2-Dichloroethene	61	9.393	9.392	0.001	93	367647	4.25	5.00	
31 Methyl tert-butyl ether	73	9.409	9.398	0.011	97	665679	4.25	5.13	
32 Hexane	57	9.912	9.917	-0.005	93	410928	4.25	5.09	
33 1,1-Dichloroethane	63	10.152	10.157	-0.005	99	475735	4.25	5.05	

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	10.163	10.163	0.000	100	689941	4.84	5.44	
S 35 1,2-Dichloroethene, Total	61				0		8.50	9.85	
36 2-Butanone (MEK)	72	11.115	11.110	0.005	99	122323	4.25	5.05	
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	99	230527	4.25	4.84	
38 Ethyl acetate	88	11.206	11.201	0.005	98	19364	4.25	5.16	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	94	313409	10.0	10.0	
40 Tetrahydrofuran	42	11.602	11.597	0.005	94	365123	4.25	5.36	
41 Chloroform	83	11.730	11.730	0.000	96	504152	4.25	5.22	
42 1,1,1-Trichloroethane	97	12.046	12.046	0.000	96	479139	4.25	5.23	
43 Cyclohexane	84	12.191	12.190	0.001	92	296181	4.25	4.96	
44 Carbon tetrachloride	117	12.330	12.324	0.006	95	461081	4.25	5.34	
45 Benzene	78	12.667	12.667	0.001	98	732770	4.25	4.98	
46 1,2-Dichloroethane	62	12.731	12.731	0.000	93	380822	4.25	5.47	
47 Isooctane	57	12.897	12.897	0.000	98	1349228	4.25	5.12	
48 n-Heptane	43	13.202	13.201	0.001	98	580121	4.25	5.24	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	98	1564229	10.0	10.0	
50 n-Butanol	56	13.603	13.603	0.000	95	201202	4.25	5.19	
51 Trichloroethene	95	13.833	13.833	0.000	90	303839	4.25	5.00	
53 1,2-Dichloropropane	63	14.282	14.282	0.000	77	318910	4.25	5.04	
54 Methyl methacrylate	69	14.373	14.368	0.005	89	276538	4.25	5.12	M
55 1,4-Dioxane	88	14.411	14.405	0.006	97	147369	4.25	5.33	
57 Dibromomethane	174	14.437	14.432	0.005	88	215322	4.25	4.90	
58 Dichlorobromomethane	83	14.742	14.742	0.000	97	564354	4.25	5.25	
59 cis-1,3-Dichloropropene	75	15.545	15.545	0.000	98	500352	4.25	5.10	
61 4-Methyl-2-pentanone (MIBK)	43	15.807	15.807	0.000	95	762476	4.25	5.41	
62 Toluene	92	16.192	16.192	0.000	92	495853	4.25	4.98	
A 63 Toluene Range	1	16.211	(16.128-16.294)		0	2213570	NC	NC	
64 n-Octane	43	16.454	16.454	0.000	99	844444	4.25	5.37	
A 65 C8 Range	1	16.460	(16.374-16.545)		0	2845739	NC	NC	
66 trans-1,3-Dichloropropene	75	16.593	16.593	0.000	96	400968	4.25	5.14	
67 1,1,2-Trichloroethane	83	16.968	16.968	0.000	95	275116	4.25	5.01	
68 Tetrachloroethene	166	17.187	17.187	0.000	89	320377	4.25	4.97	
69 2-Hexanone	43	17.380	17.380	0.000	90	719871	4.25	5.40	
70 Chlorodibromomethane	129	17.706	17.706	0.000	95	467718	4.25	5.09	
71 Ethylene Dibromide	107	17.947	17.947	0.000	97	441488	4.25	5.00	
* 73 Chlorobenzene-d5	117	18.862	18.862	0.000	92	1398860	10.0	10.0	
74 Chlorobenzene	112	18.926	18.920	0.006	92	623692	4.25	5.02	
75 Ethylbenzene	91	19.118	19.118	0.000	100	1152225	4.25	5.16	
76 m-Xylene & p-Xylene	106	19.381	19.380	0.001	0	806073	8.50	10.1	
77 n-Nonane	57	19.450	19.450	0.000	96	687192	4.25	5.15	
S 80 Xylenes, Total	106				0		12.7	15.2	
78 o-Xylene	106	20.151	20.151	0.000	97	393064	4.25	5.05	
79 Styrene	104	20.183	20.183	0.000	97	642834	4.25	5.10	
81 Bromoform	173	20.520	20.515	0.005	91	397839	4.25	4.95	
82 Isopropylbenzene	105	20.841	20.841	0.000	98	1218436	4.25	5.18	
83 1,1,2,2-Tetrachloroethane	83	21.333	21.339	-0.005	98	753918	4.25	5.11	
84 1,2,3-Trichloropropane	75	21.435	21.440	-0.005	97	598087	4.25	5.26	
85 N-Propylbenzene	91	21.547	21.547	0.000	97	1597622	4.25	5.29	
86 2-Chlorotoluene	91	21.692	21.692	0.000	97	975335	4.25	5.24	
87 4-Ethyltoluene	105	21.745	21.745	0.000	98	1181670	4.25	5.27	
88 1,3,5-Trimethylbenzene	105	21.836	21.841	-0.005	91	999477	4.25	5.26	
89 n-Decane	57	21.874	21.873	0.001	86	919595	4.25	5.38	

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	22.163	22.162	0.000	82	493966	4.25	5.32	
91 tert-Butylbenzene	119	22.318	22.318	0.000	88	927420	4.25	5.20	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	99	1027277	4.25	5.35	
93 sec-Butylbenzene	105	22.639	22.644	-0.005	98	1555225	4.25	5.35	
94 1,3-Dichlorobenzene	146	22.810	22.810	0.000	96	612371	4.25	5.23	
95 4-Isopropyltoluene	119	22.853	22.852	0.001	96	1224100	4.25	5.33	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	90	611069	4.25	5.26	
97 Benzyl chloride	91	23.093	23.093	0.000	97	1024446	4.25	5.49	
98 n-Butylbenzene	91	23.409	23.409	0.000	97	1405672	4.25	5.52	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	92	594964	4.25	5.18	
100 Undecane	57	23.564	23.564	0.000	94	1077676	4.25	5.45	
101 Dodecane	57	25.153	25.153	0.000	92	1058610	4.25	5.60	
102 1,2,4-Trichlorobenzene	180	25.886	25.891	-0.005	92	445529	4.98	5.92	
103 Hexachlorobutadiene	225	26.137	26.143	-0.006	91	386555	4.78	5.79	
104 Naphthalene	128	26.362	26.367	-0.005	98	1285735	5.05	7.29	
105 1,2,3-Trichlorobenzene	180	26.779	26.785	-0.006	93	457655	4.95	5.99	
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_00831

Amount Added: 85.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Dec-2024 06:59:31

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_008.D

Injection Date: 18-Dec-2024 20:00:50

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: IC

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

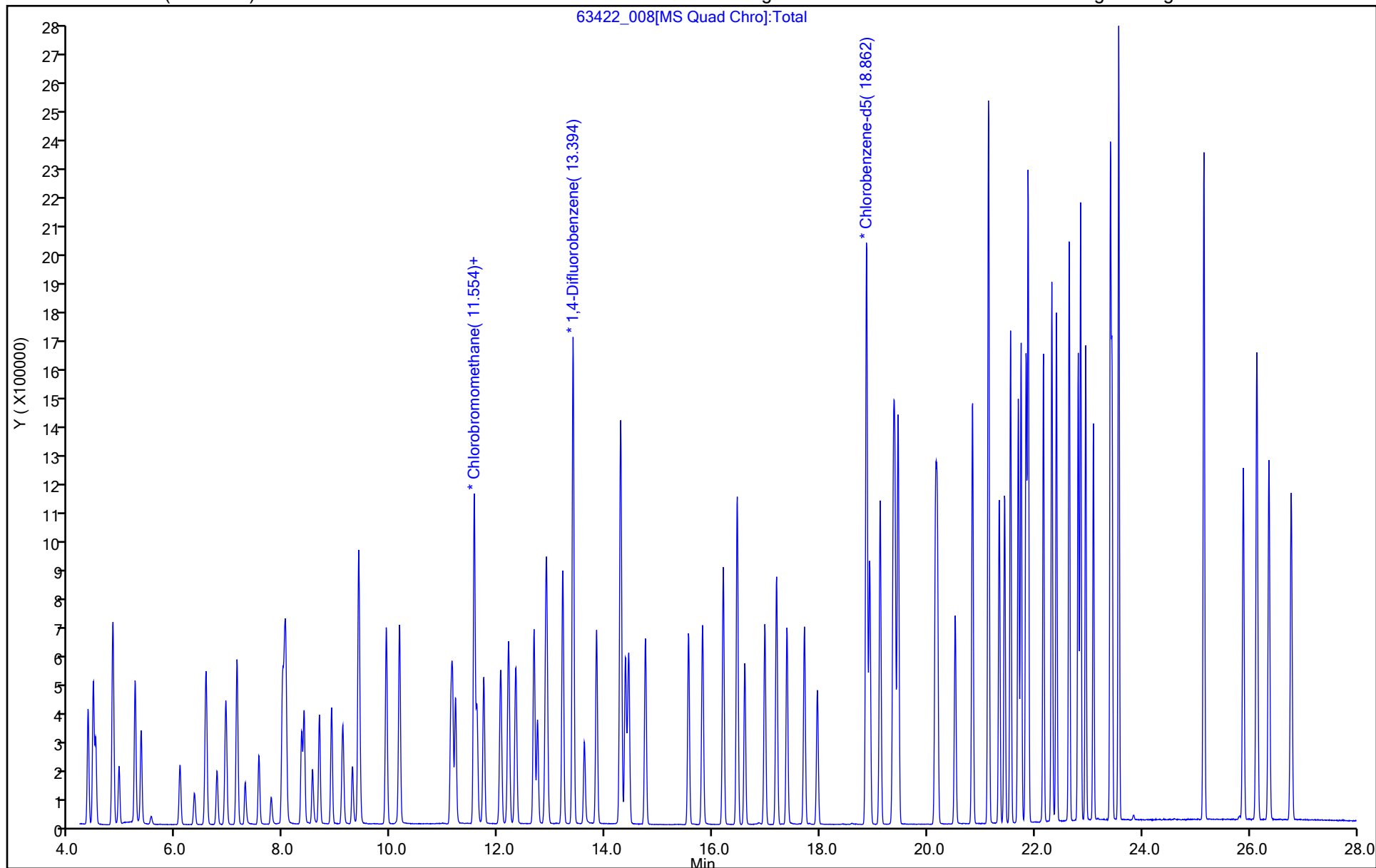
ALS Bottle#: 5

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



1/7/2025
5:38:14 PM

Eurofins Burlington

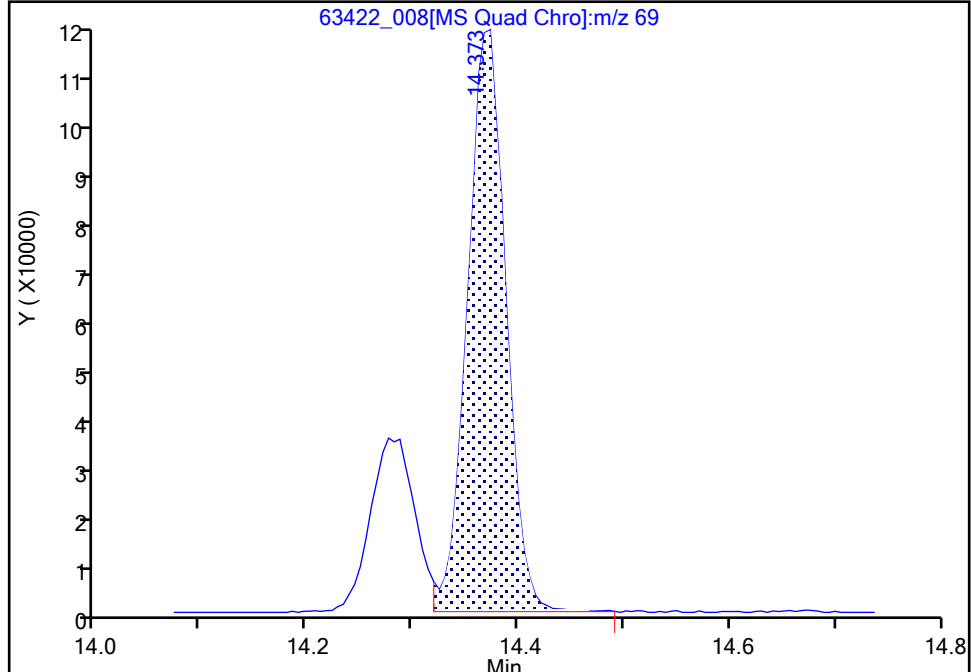
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_008.D
Injection Date: 18-Dec-2024 20:00:50 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Signal: 1

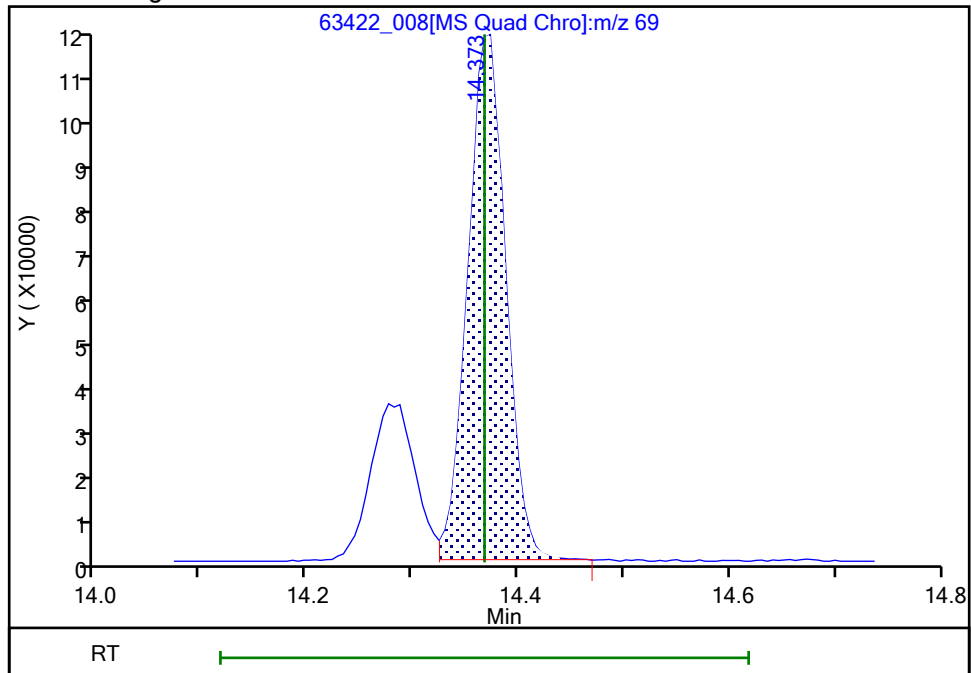
RT: 14.37
Area: 278654
Amount: 5.290781
Amount Units: ppb v/v

Processing Integration Results



RT: 14.37
Area: 276538
Amount: 5.119125
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:41:06 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_009.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 18-Dec-2024 20:52:34 ALS Bottle#: 5 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063422-009
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Dec-2024 06:59:41 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1707

First Level Reviewer: F7XK

Date: 19-Dec-2024 10:03:14

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	4.353	4.353	0.000	98	726123	10.0	11.1	
2 Dichlorodifluoromethane	85	4.449	4.449	0.000	99	1519542	10.0	11.2	
3 Chlorodifluoromethane	51	4.497	4.497	0.000	97	1214321	10.0	11.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	97	1572214	10.0	10.8	
5 Chloromethane	50	4.931	4.931	0.000	99	712977	10.0	11.1	
6 Vinyl chloride	62	5.230	5.230	0.000	100	603473	10.0	10.0	
7 Butane	43	5.230	5.230	0.000	98	1043934	10.0	10.6	
8 Butadiene	54	5.343	5.343	0.000	98	461212	10.0	9.63	
9 Bromomethane	94	6.070	6.070	0.000	98	459752	10.0	10.1	
10 Chloroethane	64	6.338	6.338	0.000	99	326468	10.0	10.5	
12 2-Methylbutane	43	6.552	6.552	0.000	95	892256	10.0	10.4	
13 Vinyl bromide	106	6.755	6.755	0.000	98	421663	10.0	10.3	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	1240993	10.0	10.5	
15 Pentane	43	7.129	7.129	0.000	97	1333300	10.0	10.7	
16 Ethanol	45	7.274	7.274	0.000	98	530657	15.0	16.8	
18 Ethyl ether	59	7.536	7.536	0.000	96	439820	10.0	10.5	
19 Acrolein	56	7.766	7.766	0.000	97	271053	11.7	12.3	
20 1,1-Dichloroethene	96	7.975	7.975	0.000	91	487724	10.0	9.43	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.023	8.023	0.000	90	1018687	10.0	10.3	
22 Acetone	43	8.039	8.039	0.000	99	1131329	10.0	11.1	
23 Isopropyl alcohol	45	8.328	8.328	0.000	100	1330540	11.6	13.1	
24 Carbon disulfide	76	8.381	8.381	0.000	100	1612921	10.0	10.4	
25 Acetonitrile	41	8.536	8.536	0.000	98	607697	10.0	11.0	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	94	867928	10.0	10.1	
27 Methylene Chloride	49	8.895	8.895	0.000	97	806906	10.0	10.7	
28 2-Methyl-2-propanol	59	9.093	9.093	0.000	99	1331255	10.0	11.1	
29 Acrylonitrile	53	9.280	9.280	0.000	94	485237	10.0	10.6	
30 trans-1,2-Dichloroethene	61	9.392	9.392	0.000	93	899180	10.0	10.4	
31 Methyl tert-butyl ether	73	9.398	9.398	0.000	98	1628158	10.0	10.6	
32 Hexane	57	9.917	9.917	0.000	94	1009360	10.0	10.6	
33 1,1-Dichloroethane	63	10.157	10.157	0.000	99	1161059	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
34 Vinyl acetate	43	10.163	10.163	0.000	100	1889433	11.4	12.6	
S 35 1,2-Dichloroethene, Total	61				0		20.0	20.4	
36 2-Butanone (MEK)	72	11.110	11.110	0.000	99	303355	10.0	10.6	
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	98	563318	10.0	10.0	
38 Ethyl acetate	88	11.201	11.201	0.000	98	46152	10.0	10.4	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	94	370378	10.0	10.0	
40 Tetrahydrofuran	42	11.597	11.597	0.000	94	890135	10.0	11.1	
41 Chloroform	83	11.730	11.730	0.000	96	1218861	10.0	10.7	
42 1,1,1-Trichloroethane	97	12.046	12.046	0.000	97	1157867	10.0	10.8	
43 Cyclohexane	84	12.190	12.190	0.000	93	731110	10.0	10.4	
44 Carbon tetrachloride	117	12.324	12.324	0.000	95	1113426	10.0	11.0	
45 Benzene	78	12.667	12.667	0.000	98	1796718	10.0	10.4	
46 1,2-Dichloroethane	62	12.731	12.731	0.000	93	901179	10.0	11.0	
47 Isooctane	57	12.897	12.897	0.000	98	3310123	10.0	10.7	
48 n-Heptane	43	13.201	13.201	0.000	98	1414329	10.0	10.9	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	98	1834269	10.0	10.0	
50 n-Butanol	56	13.603	13.603	0.000	95	509710	10.0	11.2	
51 Trichloroethene	95	13.833	13.833	0.000	91	750495	10.0	10.5	
53 1,2-Dichloropropane	63	14.282	14.282	0.000	75	790657	10.0	10.7	
54 Methyl methacrylate	69	14.368	14.368	0.000	90	708868	10.0	11.2	
55 1,4-Dioxane	88	14.405	14.405	0.000	97	364205	10.0	11.2	
57 Dibromomethane	174	14.432	14.432	0.000	87	531204	10.0	10.3	
58 Dichlorobromomethane	83	14.742	14.742	0.000	97	1376636	10.0	10.9	
59 cis-1,3-Dichloropropene	75	15.545	15.545	0.000	97	1261370	10.0	11.0	
61 4-Methyl-2-pentanone (MIBK)	43	15.807	15.807	0.000	95	1894368	10.0	11.5	
62 Toluene	92	16.192	16.192	0.000	92	1226352	10.0	10.4	
A 63 Toluene Range	1	16.211	(16.128-16.294)		0	5411637	NC	NC	
64 n-Octane	43	16.454	16.454	0.000	98	2051981	10.0	11.1	
A 65 C8 Range	1	16.460	(16.374-16.545)		0	6929343	NC	NC	
66 trans-1,3-Dichloropropene	75	16.593	16.593	0.000	97	1013703	10.0	11.1	
67 1,1,2-Trichloroethane	83	16.968	16.968	0.000	96	687491	10.0	10.6	
68 Tetrachloroethene	166	17.187	17.187	0.000	90	791462	10.0	10.4	
69 2-Hexanone	43	17.380	17.380	0.000	90	1819178	10.0	11.5	
70 Chlorodibromomethane	129	17.706	17.706	0.000	96	1178935	10.0	10.8	
71 Ethylene Dibromide	107	17.947	17.947	0.000	98	1114704	10.0	10.7	
* 73 Chlorobenzene-d5	117	18.862	18.862	0.000	92	1654984	10.0	10.0	
74 Chlorobenzene	112	18.920	18.920	0.000	89	1557060	10.0	10.6	
75 Ethylbenzene	91	19.118	19.118	0.000	99	2850897	10.0	10.8	
76 m-Xylene & p-Xylene	106	19.380	19.380	0.000	0	2019882	20.0	21.5	
77 n-Nonane	57	19.450	19.450	0.000	96	1719711	10.0	10.9	
S 80 Xylenes, Total	106				0		30.0	32.2	
78 o-Xylene	106	20.151	20.151	0.000	97	990543	10.0	10.8	
79 Styrene	104	20.183	20.183	0.000	98	1664219	10.0	11.2	
81 Bromoform	173	20.515	20.515	0.000	91	1027417	10.0	10.8	
82 Isopropylbenzene	105	20.841	20.841	0.000	98	3026653	10.0	10.9	
83 1,1,2,2-Tetrachloroethane	83	21.339	21.339	0.000	98	1913560	10.0	11.0	
84 1,2,3-Trichloropropane	75	21.440	21.440	0.000	97	1491769	10.0	11.1	
85 N-Propylbenzene	91	21.547	21.547	0.000	97	3993833	10.0	11.2	
86 2-Chlorotoluene	91	21.692	21.692	0.000	97	2442070	10.0	11.1	
87 4-Ethyltoluene	105	21.745	21.745	0.000	98	2983213	10.0	11.2	
88 1,3,5-Trimethylbenzene	105	21.841	21.841	0.000	91	2524430	10.0	11.2	
89 n-Decane	57	21.873	21.873	0.000	86	2300813	10.0	11.4	

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	22.162	22.162	0.000	82	1284342	10.0	11.7	
91 tert-Butylbenzene	119	22.318	22.318	0.000	89	2338846	10.0	11.1	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	99	2592594	10.0	11.4	
93 sec-Butylbenzene	105	22.644	22.644	0.000	99	3893242	10.0	11.3	
94 1,3-Dichlorobenzene	146	22.810	22.810	0.000	97	1577685	10.0	11.4	
95 4-Isopropyltoluene	119	22.852	22.852	0.000	96	3073689	10.0	11.3	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	89	1557080	10.0	11.3	
97 Benzyl chloride	91	23.093	23.093	0.000	97	2589775	10.0	11.7	
98 n-Butylbenzene	91	23.409	23.409	0.000	98	3557624	10.0	11.8	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	92	1528357	10.0	11.3	
100 Undecane	57	23.564	23.564	0.000	95	2716486	10.0	11.6	
101 Dodecane	57	25.153	25.153	0.000	93	2712709	10.0	12.1	
102 1,2,4-Trichlorobenzene	180	25.891	25.891	0.000	92	1228622	11.7	13.8	
103 Hexachlorobutadiene	225	26.143	26.143	0.000	92	1003680	11.2	12.7	
104 Naphthalene	128	26.367	26.367	0.000	98	3482882	11.9	16.7	
105 1,2,3-Trichlorobenzene	180	26.785	26.785	0.000	93	1225784	11.6	13.6	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00831

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Dec-2024 06:59:42

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_009.D

Injection Date: 18-Dec-2024 20:52:34

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: ICIS

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

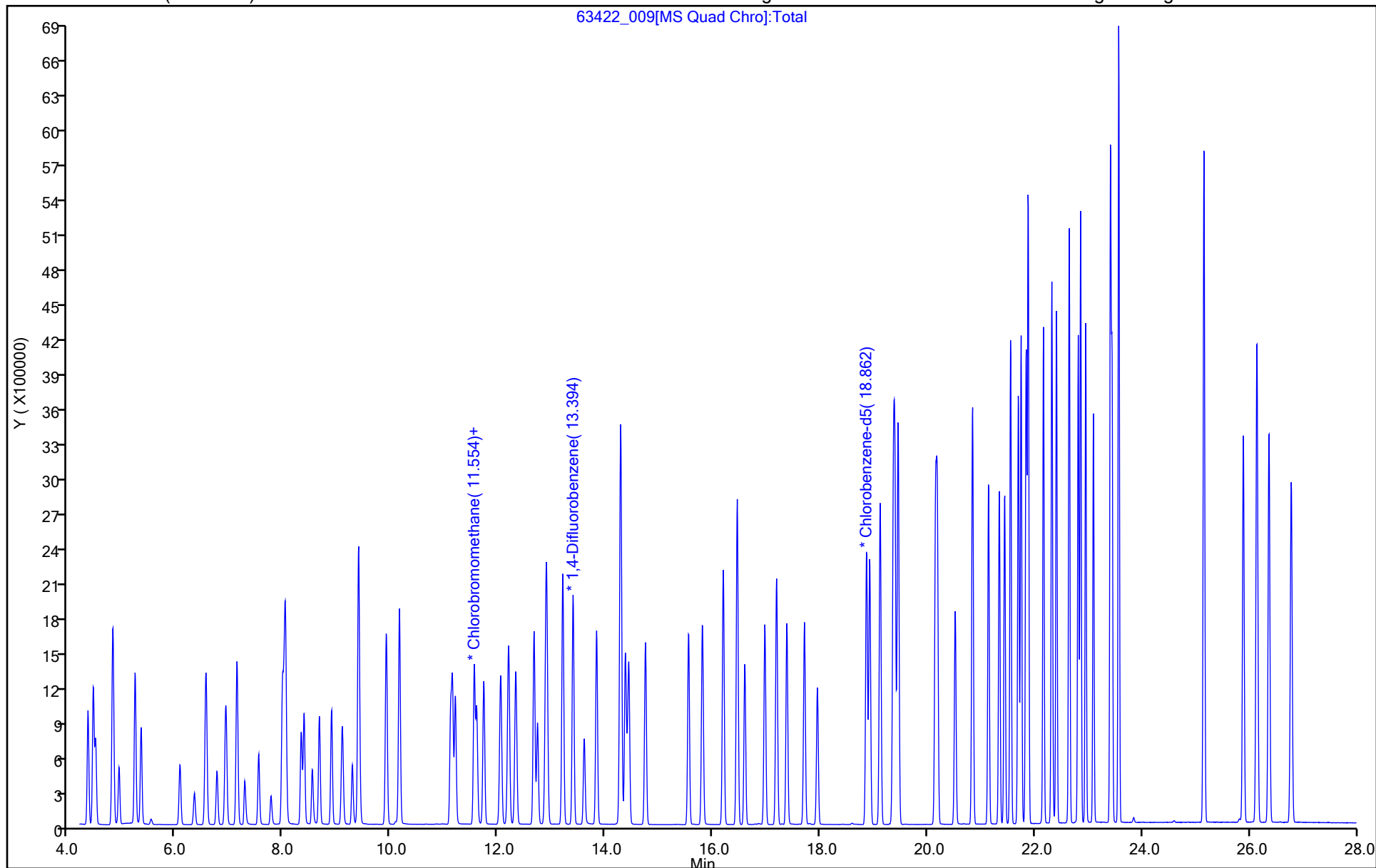
ALS Bottle#: 5

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\20241218-63422.b\63422_010.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 18-Dec-2024 21:44:26 ALS Bottle#: 5 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063422-010
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Dec-2024 06:59:45 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1707

First Level Reviewer: F7XK

Date: 19-Dec-2024 10:44:52

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	4.353	4.353	0.000	98	1196724	15.0	14.2	
2 Dichlorodifluoromethane	85	4.455	4.449	0.006	99	2517963	15.0	14.4	
3 Chlorodifluoromethane	51	4.497	4.497	0.000	97	1986818	15.0	14.5	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	97	2646024	15.0	14.1	
5 Chloromethane	50	4.931	4.931	0.000	99	1208474	15.0	14.5	
6 Vinyl chloride	62	5.225	5.230	-0.005	100	1103696	15.0	14.2	
7 Butane	43	5.230	5.230	0.000	99	1897212	15.0	14.9	
8 Butadiene	54	5.343	5.343	0.000	98	856164	15.0	13.8	
9 Bromomethane	94	6.065	6.070	-0.005	99	828856	15.0	14.1	
10 Chloroethane	64	6.338	6.338	0.000	99	582000	15.0	14.5	
12 2-Methylbutane	43	6.552	6.552	0.000	96	1578589	15.0	14.2	
13 Vinyl bromide	106	6.760	6.755	0.005	99	755249	15.0	14.2	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	2141016	15.0	14.1	
15 Pentane	43	7.130	7.129	0.001	96	2350856	15.0	14.6	
16 Ethanol	45	7.274	7.274	0.000	98	757018	20.0	18.6	
18 Ethyl ether	59	7.536	7.536	0.000	97	783021	15.0	14.4	
19 Acrolein	56	7.766	7.766	0.000	96	480891	17.6	16.9	
20 1,1-Dichloroethene	96	7.980	7.975	0.005	91	877317	15.0	13.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.023	8.023	0.000	90	1806879	15.0	14.2	
22 Acetone	43	8.039	8.039	0.000	99	1883199	15.0	14.3	
23 Isopropyl alcohol	45	8.328	8.328	0.000	100	2179896	17.4	16.6	
24 Carbon disulfide	76	8.381	8.381	0.000	100	2877823	15.0	14.3	
25 Acetonitrile	41	8.531	8.536	-0.005	99	1034623	15.0	14.5	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	93	1645949	15.0	14.8	
27 Methylene Chloride	49	8.895	8.895	0.000	97	1414428	15.0	14.5	
28 2-Methyl-2-propanol	59	9.088	9.093	-0.005	99	2220464	15.0	14.3	
29 Acrylonitrile	53	9.280	9.280	0.000	94	862542	15.0	14.6	
30 trans-1,2-Dichloroethene	61	9.392	9.392	0.000	93	1591553	15.0	14.2	
31 Methyl tert-butyl ether	73	9.398	9.398	0.000	98	2848265	15.0	14.4	
32 Hexane	57	9.911	9.917	-0.006	95	1786281	15.0	14.5	
33 1,1-Dichloroethane	63	10.158	10.157	0.001	99	2029819	15.0	14.1	

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	10.158	10.163	-0.005	100	3268550	17.1	16.9	
S 35 1,2-Dichloroethene, Total	61				0		30.0	28.0	
36 2-Butanone (MEK)	72	11.110	11.110	0.000	99	535635	15.0	14.5	
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	99	1003756	15.0	13.8	
38 Ethyl acetate	88	11.201	11.201	0.000	99	82624	15.0	14.4	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	94	478893	10.0	10.0	
40 Tetrahydrofuran	42	11.597	11.597	0.000	95	1517678	15.0	14.7	
41 Chloroform	83	11.730	11.730	0.000	97	2109798	15.0	14.3	
42 1,1,1-Trichloroethane	97	12.046	12.046	0.000	97	1972622	15.0	14.2	
43 Cyclohexane	84	12.196	12.190	0.006	94	1294697	15.0	14.3	
44 Carbon tetrachloride	117	12.324	12.324	0.000	96	1889351	15.0	14.4	
45 Benzene	78	12.667	12.667	0.001	98	3155797	15.0	14.1	
46 1,2-Dichloroethane	62	12.731	12.731	0.000	92	1499075	15.0	14.2	
47 Isooctane	57	12.897	12.897	0.000	98	5773120	15.0	14.4	
48 n-Heptane	43	13.202	13.201	0.001	98	2423347	15.0	14.4	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	97	2373991	10.0	10.0	
50 n-Butanol	56	13.597	13.603	-0.006	94	837025	15.0	14.2	
51 Trichloroethene	95	13.833	13.833	0.000	91	1325214	15.0	14.4	
53 1,2-Dichloropropane	63	14.277	14.282	-0.005	79	1392173	15.0	14.5	
54 Methyl methacrylate	69	14.368	14.368	0.000	95	1234267	15.0	15.1	M
55 1,4-Dioxane	88	14.405	14.405	0.000	97	579808	15.0	13.8	
57 Dibromomethane	174	14.432	14.432	0.000	88	940973	15.0	14.1	
58 Dichlorobromomethane	83	14.742	14.742	0.000	98	2361563	15.0	14.5	
59 cis-1,3-Dichloropropene	75	15.545	15.545	0.000	96	2190119	15.0	14.7	
61 4-Methyl-2-pentanone (MIBK)	43	15.802	15.807	-0.005	96	3214433	15.0	15.0	
62 Toluene	92	16.192	16.192	0.000	93	2131105	15.0	14.2	
A 63 Toluene Range	1	16.211	(16.128-16.294)		0	9281881	NC	NC	
64 n-Octane	43	16.454	16.454	0.000	97	3462000	15.0	14.5	
A 65 C8 Range	1	16.460	(16.374-16.545)		0	11756436	NC	NC	
66 trans-1,3-Dichloropropene	75	16.593	16.593	0.000	98	1742603	15.0	14.7	
67 1,1,2-Trichloroethane	83	16.968	16.968	0.000	96	1194345	15.0	14.4	
68 Tetrachloroethene	166	17.187	17.187	0.000	91	1377688	15.0	14.2	
69 2-Hexanone	43	17.380	17.380	0.000	91	2965515	15.0	14.8	
70 Chlorodibromomethane	129	17.706	17.706	0.000	96	2038528	15.0	14.7	
71 Ethylene Dibromide	107	17.947	17.947	0.000	98	1933828	15.0	14.6	
* 73 Chlorobenzene-d5	117	18.867	18.862	0.005	91	2104371	10.0	10.0	
74 Chlorobenzene	112	18.926	18.920	0.006	89	2675322	15.0	14.3	
75 Ethylbenzene	91	19.118	19.118	0.000	99	4855142	15.0	14.5	
76 m-Xylene & p-Xylene	106	19.381	19.380	0.001	0	3469570	30.0	29.0	
77 n-Nonane	57	19.455	19.450	0.005	96	2923729	15.0	14.6	
S 80 Xylenes, Total	106				0		45.0	43.5	
78 o-Xylene	106	20.151	20.151	0.000	96	1698311	15.0	14.5	
79 Styrene	104	20.183	20.183	0.000	98	2827836	15.0	14.9	
81 Bromoform	173	20.515	20.515	0.000	92	1789867	15.0	14.8	
82 Isopropylbenzene	105	20.841	20.841	0.000	98	5114096	15.0	14.5	
83 1,1,2,2-Tetrachloroethane	83	21.339	21.339	0.001	97	3225781	15.0	14.5	
84 1,2,3-Trichloropropane	75	21.440	21.440	0.000	98	2481063	15.0	14.5	
85 N-Propylbenzene	91	21.547	21.547	0.000	98	6619359	15.0	14.6	
86 2-Chlorotoluene	91	21.692	21.692	0.000	97	4033786	15.0	14.4	
87 4-Ethyltoluene	105	21.745	21.745	0.000	98	4943698	15.0	14.7	
88 1,3,5-Trimethylbenzene	105	21.841	21.841	0.000	91	4197216	15.0	14.7	
89 n-Decane	57	21.879	21.873	0.006	88	3790645	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	22.162	22.162	0.000	83	2147271	15.0	15.4	
91 tert-Butylbenzene	119	22.318	22.318	0.000	92	3908796	15.0	14.6	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	99	4199747	15.0	14.5	
93 sec-Butylbenzene	105	22.644	22.644	0.000	98	6403693	15.0	14.6	
94 1,3-Dichlorobenzene	146	22.810	22.810	0.000	97	2556119	15.0	14.5	
95 4-Isopropyltoluene	119	22.853	22.852	0.001	96	5082174	15.0	14.7	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	90	2511678	15.0	14.4	
97 Benzyl chloride	91	23.093	23.093	0.000	97	4142953	15.0	14.8	
98 n-Butylbenzene	91	23.409	23.409	0.000	98	5716493	15.0	14.9	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	92	2470735	15.0	14.3	
100 Undecane	57	23.564	23.564	0.000	96	4150585	15.0	14.0	
101 Dodecane	57	25.153	25.153	0.000	94	3375609	15.0	11.9	
102 1,2,4-Trichlorobenzene	180	25.886	25.891	-0.005	92	1702693	17.6	15.0	
103 Hexachlorobutadiene	225	26.143	26.143	0.000	93	1642722	16.9	16.4	
104 Naphthalene	128	26.362	26.367	-0.005	98	4021871	17.8	15.2	
105 1,2,3-Trichlorobenzene	180	26.779	26.785	-0.006	93	1642203	17.5	14.3	
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:

ATTO15CAL5w_00150

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Dec-2024 06:59:45

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_010.D

Injection Date: 18-Dec-2024 21:44:26

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: IC

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

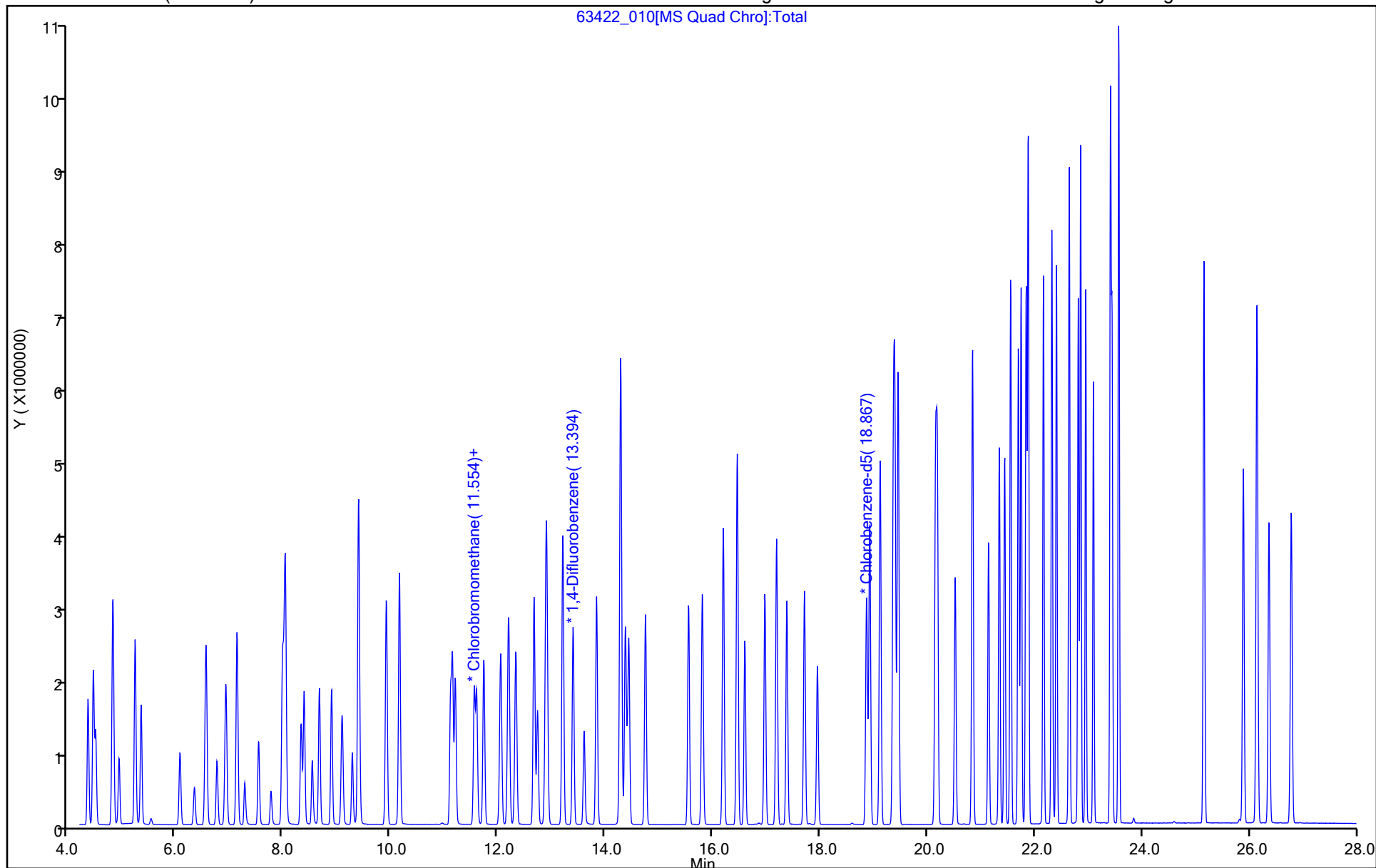
ALS Bottle#: 5

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

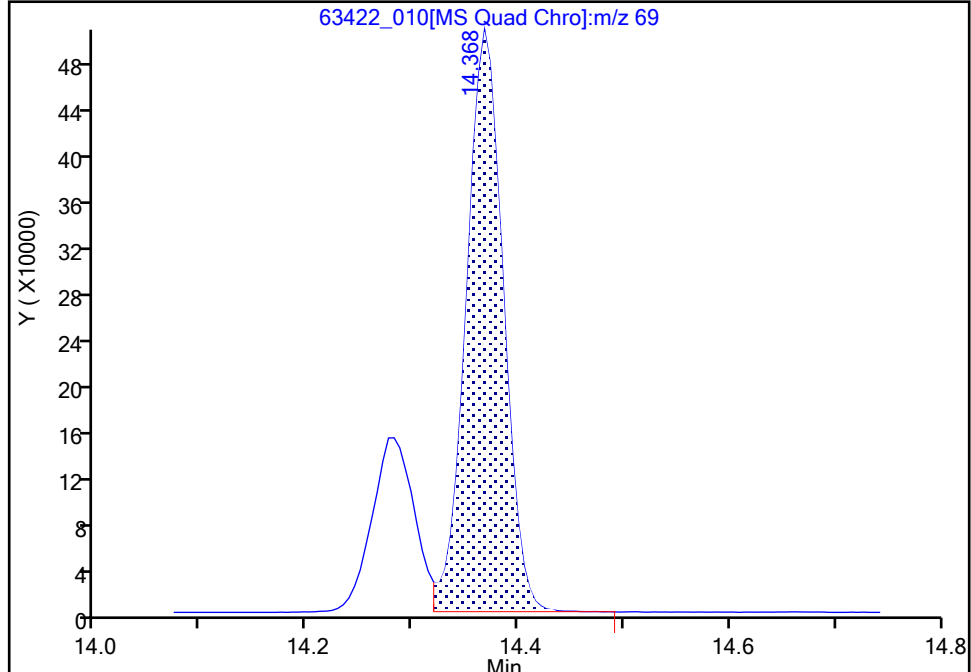
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_010.D
Injection Date: 18-Dec-2024 21:44:26 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Signal: 1

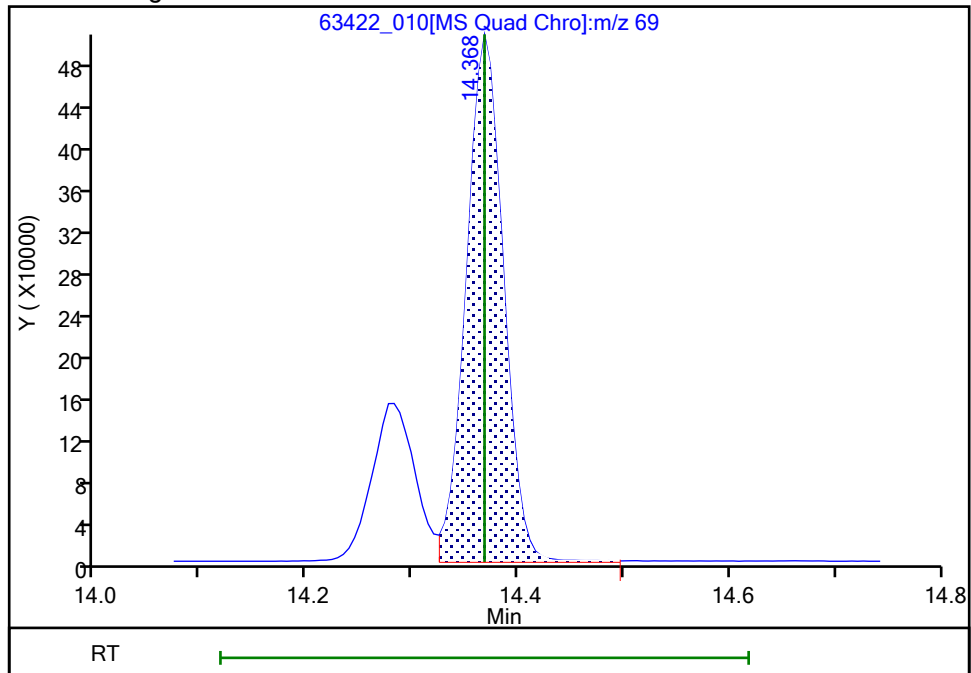
RT: 14.37
Area: 1241943
Amount: 15.456609
Amount Units: ppb v/v

Processing Integration Results



RT: 14.37
Area: 1234267
Amount: 15.054672
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 10:44:36 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_012.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 18-Dec-2024 23:27:42 ALS Bottle#: 7 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063422-012
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Dec-2024 06:59:48 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1707

First Level Reviewer: F7XK

Date: 19-Dec-2024 12:50:45

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	4.353	4.353	0.000	98	1624967	20.0	18.7	
2 Dichlorodifluoromethane	85	4.449	4.449	0.000	99	3426907	20.0	19.0	
3 Chlorodifluoromethane	51	4.497	4.497	0.000	97	2670263	20.0	18.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	98	3621051	20.0	18.7	
5 Chloromethane	50	4.931	4.931	0.000	99	1637338	20.0	19.1	
6 Vinyl chloride	62	5.230	5.230	0.000	100	1541176	20.0	19.1	
7 Butane	43	5.230	5.230	0.000	99	2615455	20.0	19.9	
8 Butadiene	54	5.343	5.343	0.000	98	1182780	20.0	18.5	
9 Bromomethane	94	6.065	6.070	-0.005	98	1147186	20.0	18.9	
10 Chloroethane	64	6.338	6.338	0.000	99	808823	20.0	19.5	
12 2-Methylbutane	43	6.552	6.552	0.000	96	2161201	20.0	18.9	
13 Vinyl bromide	106	6.755	6.755	0.000	99	1046402	20.0	19.1	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	2933029	20.0	18.7	
15 Pentane	43	7.130	7.129	0.001	96	3225553	20.0	19.4	
16 Ethanol	45	7.274	7.274	0.000	97	1583722	40.0	37.7	
18 Ethyl ether	59	7.531	7.536	-0.005	97	1083535	20.0	19.3	
19 Acrolein	56	7.761	7.766	-0.005	97	682906	23.4	23.2	
20 1,1-Dichloroethene	96	7.975	7.975	0.000	92	1214141	20.0	17.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.018	8.023	-0.005	90	2487111	20.0	18.9	
22 Acetone	43	8.034	8.039	-0.005	99	2525326	20.0	18.6	
23 Isopropyl alcohol	45	8.323	8.328	-0.005	100	2924305	23.2	21.5	
24 Carbon disulfide	76	8.381	8.381	0.000	100	3934811	20.0	19.0	
25 Acetonitrile	41	8.531	8.536	-0.005	99	1402560	20.0	19.0	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	93	2235239	20.0	19.4	
27 Methylene Chloride	49	8.895	8.895	0.000	98	1928125	20.0	19.1	
28 2-Methyl-2-propanol	59	9.088	9.093	-0.005	99	2986363	20.0	18.7	
29 Acrylonitrile	53	9.280	9.280	0.000	94	1173901	20.0	19.2	
30 trans-1,2-Dichloroethene	61	9.393	9.392	0.001	93	2165160	20.0	18.7	
31 Methyl tert-butyl ether	73	9.398	9.398	0.000	98	3890110	20.0	19.0	
32 Hexane	57	9.911	9.917	-0.006	94	2448010	20.0	19.2	
33 1,1-Dichloroethane	63	10.152	10.157	-0.005	99	2757668	20.0	18.6	

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	10.158	10.163	-0.005	100	4484533	22.8	22.4	
S 35 1,2-Dichloroethene, Total	61				0		40.0	37.0	
36 2-Butanone (MEK)	72	11.110	11.110	0.000	100	729200	20.0	19.1	
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	97	1371476	20.0	18.3	
38 Ethyl acetate	88	11.195	11.201	-0.006	99	112437	20.0	19.0	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	95	494242	10.0	10.0	
40 Tetrahydrofuran	42	11.597	11.597	0.000	95	2051228	20.0	19.3	
41 Chloroform	83	11.730	11.730	0.000	97	2864894	20.0	18.8	
42 1,1,1-Trichloroethane	97	12.046	12.046	0.000	97	2681298	20.0	18.8	
43 Cyclohexane	84	12.190	12.190	0.000	94	1768942	20.0	19.0	
44 Carbon tetrachloride	117	12.330	12.324	0.006	96	2568953	20.0	19.1	
45 Benzene	78	12.667	12.667	0.001	98	4314386	20.0	18.8	
46 1,2-Dichloroethane	62	12.731	12.731	0.000	93	2004706	20.0	18.4	
47 Isooctane	57	12.897	12.897	0.000	98	7798053	20.0	19.0	
48 n-Heptane	43	13.202	13.201	0.001	98	3273935	20.0	18.9	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	97	2441500	10.0	10.0	
50 n-Butanol	56	13.597	13.603	-0.006	93	1130290	20.0	18.7	
51 Trichloroethene	95	13.833	13.833	0.000	91	1802560	20.0	19.0	
53 1,2-Dichloropropane	63	14.282	14.282	0.000	78	1894491	20.0	19.2	
54 Methyl methacrylate	69	14.368	14.368	0.000	91	1695247	20.0	20.1	
55 1,4-Dioxane	88	14.400	14.405	-0.005	98	781322	20.0	18.1	
57 Dibromomethane	174	14.437	14.432	0.005	89	1290902	20.0	18.8	
58 Dichlorobromomethane	83	14.742	14.742	0.000	98	3198119	20.0	19.1	
59 cis-1,3-Dichloropropene	75	15.550	15.545	0.005	96	2972157	20.0	19.4	
61 4-Methyl-2-pentanone (MIBK)	43	15.802	15.807	-0.005	96	4270334	20.0	19.4	
62 Toluene	92	16.192	16.192	0.000	93	2902512	20.0	18.7	
A 63 Toluene Range	1	16.211	(16.128-16.294)		0	12554773	NC	NC	
64 n-Octane	43	16.454	16.454	0.000	97	4603825	20.0	18.8	
A 65 C8 Range	1	16.460	(16.374-16.545)		0	15787538	NC	NC	
66 trans-1,3-Dichloropropene	75	16.593	16.593	0.000	98	2348506	20.0	19.3	
67 1,1,2-Trichloroethane	83	16.968	16.968	0.000	96	1630857	20.0	19.1	
68 Tetrachloroethene	166	17.187	17.187	0.000	92	1889844	20.0	18.8	
69 2-Hexanone	43	17.380	17.380	0.000	91	3962139	20.0	19.1	
70 Chlorodibromomethane	129	17.706	17.706	0.000	97	2818995	20.0	19.7	
71 Ethylene Dibromide	107	17.947	17.947	0.000	98	2630415	20.0	19.1	
* 73 Chlorobenzene-d5	117	18.867	18.862	0.005	91	2175254	10.0	10.0	
74 Chlorobenzene	112	18.926	18.920	0.006	89	3631894	20.0	18.8	
75 Ethylbenzene	91	19.118	19.118	0.000	99	6537390	20.0	18.8	
76 m-Xylene & p-Xylene	106	19.381	19.380	0.001	0	4726568	40.0	38.2	
77 n-Nonane	57	19.450	19.450	0.000	95	3895017	20.0	18.8	
S 80 Xylenes, Total	106				0		60.0	57.4	
78 o-Xylene	106	20.151	20.151	0.000	97	2317025	20.0	19.2	
79 Styrene	104	20.183	20.183	0.000	99	3872692	20.0	19.8	
81 Bromoform	173	20.515	20.515	0.000	92	2522624	20.0	20.2	
82 Isopropylbenzene	105	20.841	20.841	0.000	98	6869797	20.0	18.8	
83 1,1,2,2-Tetrachloroethane	83	21.339	21.339	0.001	97	4370548	20.0	19.0	
84 1,2,3-Trichloropropane	75	21.440	21.440	0.000	99	3338035	20.0	18.9	
85 N-Propylbenzene	91	21.547	21.547	0.000	98	8769814	20.0	18.7	
86 2-Chlorotoluene	91	21.697	21.692	0.005	97	5402552	20.0	18.7	
87 4-Ethyltoluene	105	21.745	21.745	0.000	98	6630291	20.0	19.0	
88 1,3,5-Trimethylbenzene	105	21.841	21.841	0.000	92	5619745	20.0	19.0	
89 n-Decane	57	21.879	21.873	0.006	89	5069206	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	22.162	22.162	0.000	83	2925122	20.0	20.3	
91 tert-Butylbenzene	119	22.318	22.318	0.000	90	5223031	20.0	18.9	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	99	5678105	20.0	19.0	
93 sec-Butylbenzene	105	22.644	22.644	0.000	98	8478300	20.0	18.7	
94 1,3-Dichlorobenzene	146	22.810	22.810	0.000	97	3471177	20.0	19.1	
95 4-Isopropyltoluene	119	22.858	22.852	0.006	96	6787389	20.0	19.0	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	90	3430591	20.0	19.0	
97 Benzyl chloride	91	23.093	23.093	0.000	97	5585392	20.0	19.2	
98 n-Butylbenzene	91	23.409	23.409	0.000	99	7661056	20.0	19.4	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	93	3387284	20.0	19.0	
100 Undecane	57	23.564	23.564	0.000	97	5788877	20.0	18.8	
101 Dodecane	57	25.153	25.153	0.000	95	5680701	20.0	19.3	
102 1,2,4-Trichlorobenzene	180	25.886	25.891	-0.005	93	2612921	23.5	22.3	
103 Hexachlorobutadiene	225	26.143	26.143	0.000	93	2263217	22.5	21.8	
104 Naphthalene	128	26.367	26.367	0.000	98	6738985	23.8	24.6	
105 1,2,3-Trichlorobenzene	180	26.779	26.785	-0.006	94	2556321	23.3	21.5	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00239

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Dec-2024 06:59:49

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_012.D

Injection Date: 18-Dec-2024 23:27:42

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: IC

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

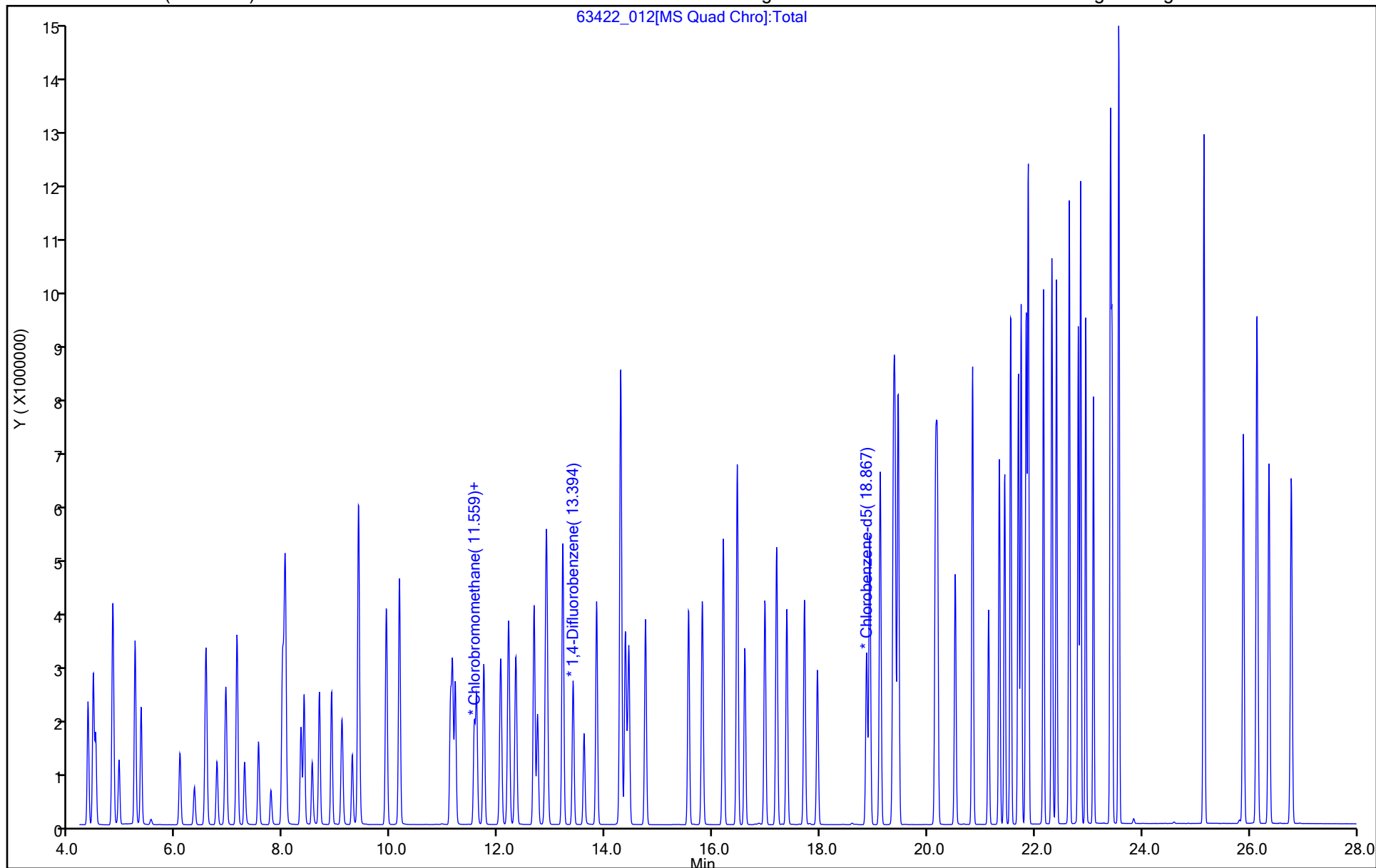
ALS Bottle#: 7

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\20241218-63422.b\63422_014.D

Lims ID: ic

Client ID:

Sample Type: IC

Calib Level: 8

Inject. Date: 19-Dec-2024 01:10:48

ALS Bottle#: 9

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0063422-014

Operator ID: wrd

Instrument ID: CHAN.i

Sublist: chrom-TO15_TO3_Master_Method_AN*sub1

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Dec-2024 06:59:58

Calib Date: 19-Dec-2024 02:02:33

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX1707

First Level Reviewer: F7XK

Date: 19-Dec-2024 15:28:46

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	4.353	4.353	0.000	98	3313220	40.0	28.9	
2 Dichlorodifluoromethane	85	4.455	4.449	0.006	99	7103053	40.0	29.9	
3 Chlorodifluoromethane	51	4.498	4.497	0.001	97	5442240	40.0	29.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	98	7690914	40.0	30.1	
5 Chloromethane	50	4.931	4.931	0.000	99	3458584	40.0	30.6	
6 Vinyl chloride	62	5.230	5.230	0.000	100	3522825	40.0	33.3	
7 Butane	43	5.230	5.230	0.000	98	5614171	40.0	32.5	
8 Butadiene	54	5.343	5.343	0.000	95	2695735	40.0	32.1	
9 Bromomethane	94	6.065	6.070	-0.005	99	2617283	40.0	32.8	
10 Chloroethane	64	6.338	6.338	0.000	100	1813099	40.0	33.3	
12 2-Methylbutane	43	6.552	6.552	0.000	95	4643053	40.0	30.8	
13 Vinyl bromide	106	6.755	6.755	0.000	99	2423023	40.0	33.6	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	6353187	40.0	30.7	
15 Pentane	43	7.130	7.129	0.001	96	6831005	40.0	31.3	
16 Ethanol	45	7.269	7.274	-0.005	98	4219490	100.0	76.3	
18 Ethyl ether	59	7.531	7.536	-0.005	97	2414410	40.0	32.7	
19 Acrolein	56	7.761	7.766	-0.005	96	1544843	46.8	39.9	
20 1,1-Dichloroethene	96	7.975	7.975	0.000	93	2809474	40.0	30.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.018	8.023	-0.005	93	5689571	40.0	32.9	
22 Acetone	43	8.034	8.039	-0.005	100	5197269	40.0	29.1	
23 Isopropyl alcohol	45	8.317	8.328	-0.011	100	6094066	46.4	34.1	
24 Carbon disulfide	76	8.381	8.381	0.000	100	8732931	40.0	32.1	
25 Acetonitrile	41	8.531	8.536	-0.005	99	2999184	40.0	30.9	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	93	4690506	40.0	31.0	
27 Methylene Chloride	49	8.890	8.895	-0.005	99	4100626	40.0	30.9	
28 2-Methyl-2-propanol	59	9.082	9.093	-0.011	99	6361950	40.0	30.2	
29 Acrylonitrile	53	9.280	9.280	0.000	94	2589061	40.0	32.3	
30 trans-1,2-Dichloroethene	61	9.393	9.392	0.001	80	4715575	40.0	30.9	
31 Methyl tert-butyl ether	73	9.393	9.398	-0.005	98	8441784	40.0	31.4	
32 Hexane	57	9.911	9.917	-0.006	95	5319963	40.0	31.7	
33 1,1-Dichloroethane	63	10.152	10.157	-0.005	99	5961703	40.0	30.5	

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	10.158	10.163	-0.005	100	9506222	45.6	36.2	
S 35 1,2-Dichloroethene, Total	61				0		80.0	62.5	
36 2-Butanone (MEK)	72	11.110	11.110	0.000	100	1644387	40.0	32.7	
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	98	3117120	40.0	31.6	
38 Ethyl acetate	88	11.195	11.201	-0.006	99	259556	40.0	33.3	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	96	650275	10.0	10.0	
40 Tetrahydrofuran	42	11.591	11.597	-0.006	96	4276695	40.0	30.9	
41 Chloroform	83	11.730	11.730	0.000	97	6189371	40.0	30.9	
42 1,1,1-Trichloroethane	97	12.046	12.046	0.000	98	5767318	40.0	31.0	
43 Cyclohexane	84	12.191	12.190	0.000	95	3995953	40.0	32.9	
44 Carbon tetrachloride	117	12.330	12.324	0.006	96	5561093	40.0	31.7	
45 Benzene	78	12.667	12.667	0.001	98	9449692	40.0	31.6	
46 1,2-Dichloroethane	62	12.731	12.731	0.000	93	4130275	40.0	29.1	M
47 Isooctane	57	12.897	12.897	0.000	98	16297587	40.0	30.4	
48 n-Heptane	43	13.202	13.201	0.001	96	6736449	40.0	29.9	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	97	3183201	10.0	10.0	
50 n-Butanol	56	13.597	13.603	-0.006	91	2455885	40.0	31.1	
51 Trichloroethene	95	13.833	13.833	0.000	93	4050253	40.0	32.8	
53 1,2-Dichloropropane	63	14.282	14.282	0.000	80	4174259	40.0	32.4	
54 Methyl methacrylate	69	14.368	14.368	0.000	93	3742316	40.0	34.0	M
55 1,4-Dioxane	88	14.400	14.405	-0.005	98	1737160	40.0	30.9	
57 Dibromomethane	174	14.437	14.432	0.005	90	2995217	40.0	33.5	
58 Dichlorobromomethane	83	14.742	14.742	0.000	99	6919339	40.0	31.7	
59 cis-1,3-Dichloropropene	75	15.545	15.545	0.000	94	6536837	40.0	32.8	
61 4-Methyl-2-pentanone (MIBK)	43	15.802	15.807	-0.005	97	8703383	40.0	30.4	
62 Toluene	92	16.197	16.192	0.005	94	6471914	40.0	31.3	
A 63 Toluene Range	1	16.211	(16.128-16.294)		0	27027054	NC	NC	
64 n-Octane	43	16.454	16.454	0.000	95	9237626	40.0	28.9	
A 65 C8 Range	1	16.460	(16.374-16.545)		0	32889008	NC	NC	
66 trans-1,3-Dichloropropene	75	16.599	16.593	0.006	98	5110356	40.0	32.2	
67 1,1,2-Trichloroethane	83	16.968	16.968	0.000	96	3633727	40.0	31.8	
68 Tetrachloroethene	166	17.187	17.187	0.000	93	4381146	40.0	32.7	
69 2-Hexanone	43	17.380	17.380	0.000	93	8025152	40.0	29.0	
70 Chlorodibromomethane	129	17.711	17.706	0.005	97	6374166	40.0	33.4	
71 Ethylene Dibromide	107	17.952	17.947	0.005	98	5951494	40.0	32.4	
* 73 Chlorobenzene-d5	117	18.867	18.862	0.005	91	2907615	10.0	10.0	
74 Chlorobenzene	112	18.926	18.920	0.006	90	8049559	40.0	31.2	
75 Ethylbenzene	91	19.118	19.118	0.000	99	13753350	40.0	29.6	
76 m-Xylene & p-Xylene	106	19.381	19.380	0.001	0	10522396	80.0	63.7	
77 n-Nonane	57	19.455	19.450	0.005	93	8098425	40.0	29.2	
S 80 Xylenes, Total	106				0		120.0	95.8	
78 o-Xylene	106	20.156	20.151	0.005	99	5187972	40.0	32.1	
79 Styrene	104	20.183	20.183	0.000	100	8511151	40.0	32.5	
81 Bromoform	173	20.520	20.515	0.005	93	5880932	40.0	35.2	
82 Isopropylbenzene	105	20.841	20.841	0.000	97	14321621	40.0	29.3	
83 1,1,2,2-Tetrachloroethane	83	21.339	21.339	0.001	97	9389931	40.0	30.6	
84 1,2,3-Trichloropropane	75	21.440	21.440	0.000	99	7097599	40.0	30.0	
85 N-Propylbenzene	91	21.553	21.547	0.006	98	17098367	40.0	27.3	
86 2-Chlorotoluene	91	21.697	21.692	0.005	98	11264671	40.0	29.1	
87 4-Ethyltoluene	105	21.745	21.745	0.000	97	13545362	40.0	29.1	
88 1,3,5-Trimethylbenzene	105	21.841	21.841	0.000	93	11741875	40.0	29.7	
89 n-Decane	57	21.879	21.873	0.006	91	10073363	40.0	28.4	

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	22.162	22.162	0.000	84	6437547	40.0	33.4	
91 tert-Butylbenzene	119	22.323	22.318	0.005	92	11045947	40.0	29.8	
92 1,2,4-Trimethylbenzene	105	22.409	22.403	0.006	98	11633395	40.0	29.2	
93 sec-Butylbenzene	105	22.644	22.644	0.000	95	16479257	40.0	27.3	
94 1,3-Dichlorobenzene	146	22.810	22.810	0.000	98	7644829	40.0	31.4	
95 4-Isopropyltoluene	119	22.858	22.852	0.006	94	13690564	40.0	28.7	
96 1,4-Dichlorobenzene	146	22.954	22.949	0.005	90	7457860	40.0	30.9	
97 Benzyl chloride	91	23.093	23.093	0.000	98	11462713	40.0	29.5	
98 n-Butylbenzene	91	23.414	23.409	0.005	98	14846636	40.0	28.1	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	92	7400366	40.0	31.0	
100 Undecane	57	23.564	23.564	0.000	95	11184991	40.0	27.2	
101 Dodecane	57	25.153	25.153	0.000	96	11117848	40.0	28.3	
102 1,2,4-Trichlorobenzene	180	25.891	25.891	0.000	93	5916370	46.9	37.8	
103 Hexachlorobutadiene	225	26.143	26.143	0.000	98	5321096	45.0	38.4	
104 Naphthalene	128	26.367	26.367	0.000	97	13633287	47.6	37.2	
105 1,2,3-Trichlorobenzene	180	26.785	26.785	0.000	94	5691273	46.6	35.8	
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:

ATTO15CAL7w_00150

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Dec-2024 06:59:59

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_014.D

Injection Date: 19-Dec-2024 01:10:48

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 14

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

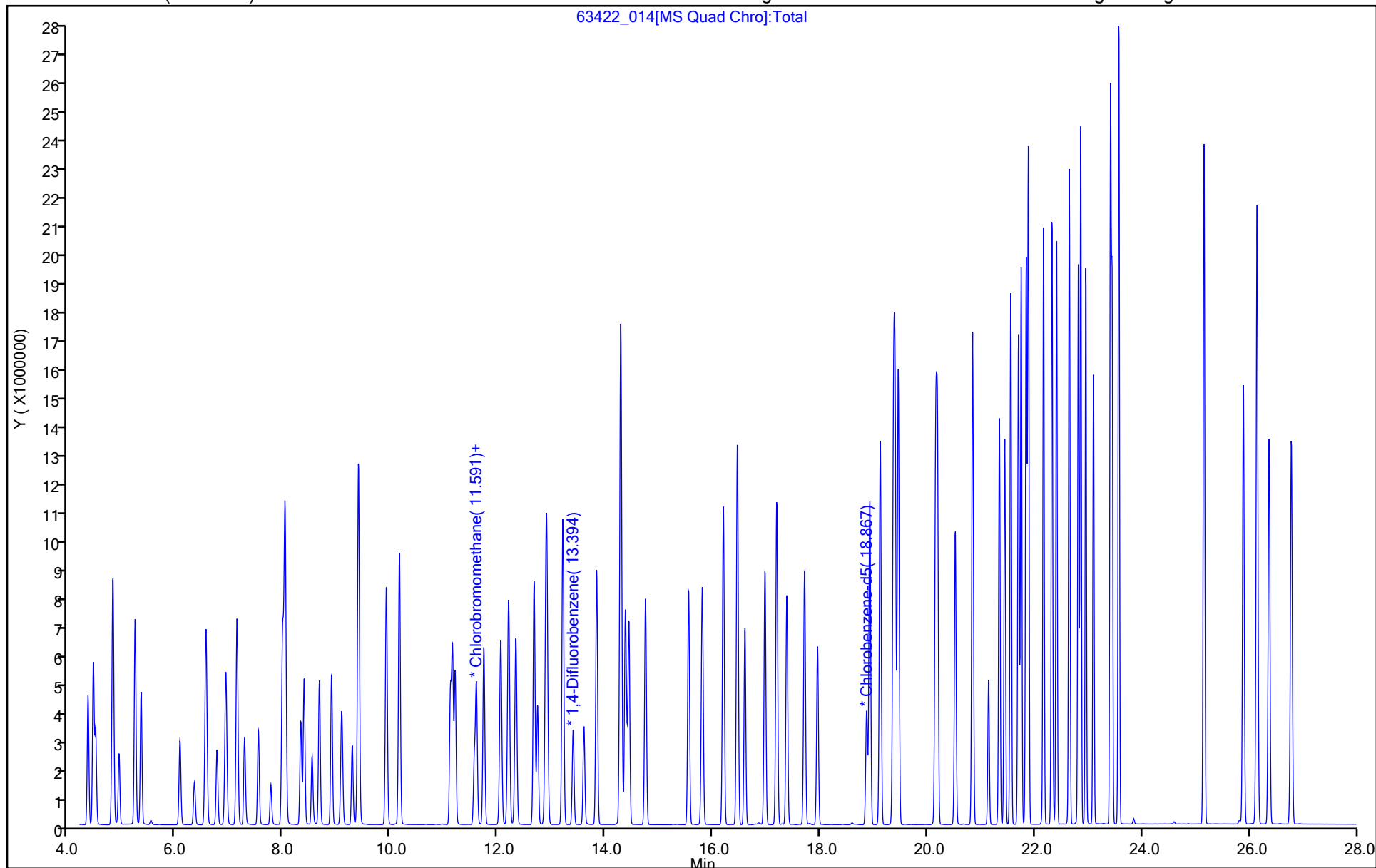
ALS Bottle#: 9

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

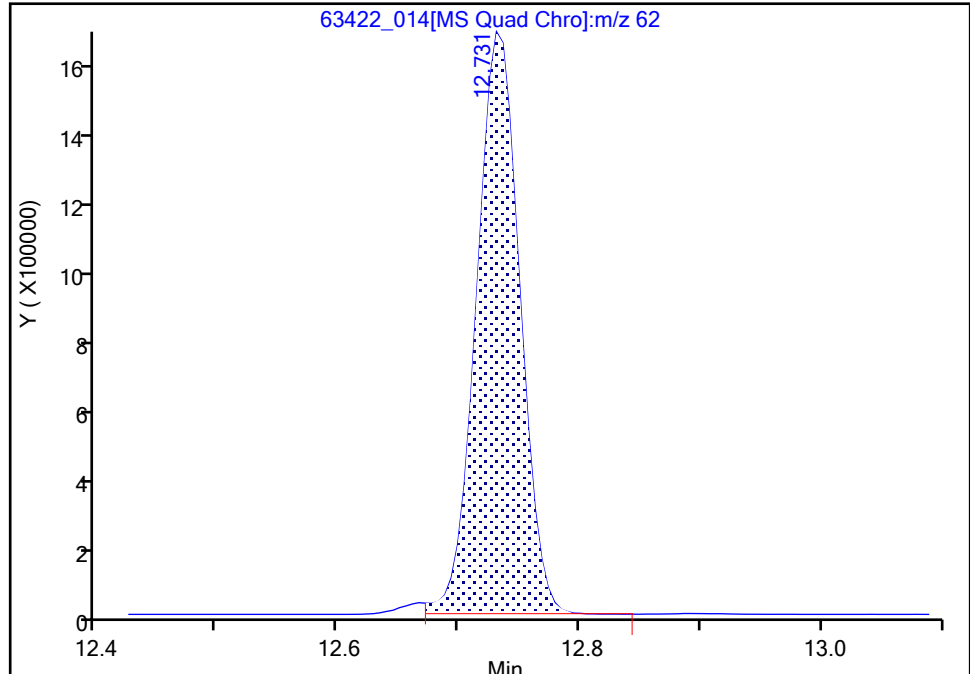
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_014.D
Injection Date: 19-Dec-2024 01:10:48 Instrument ID: CHAN.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

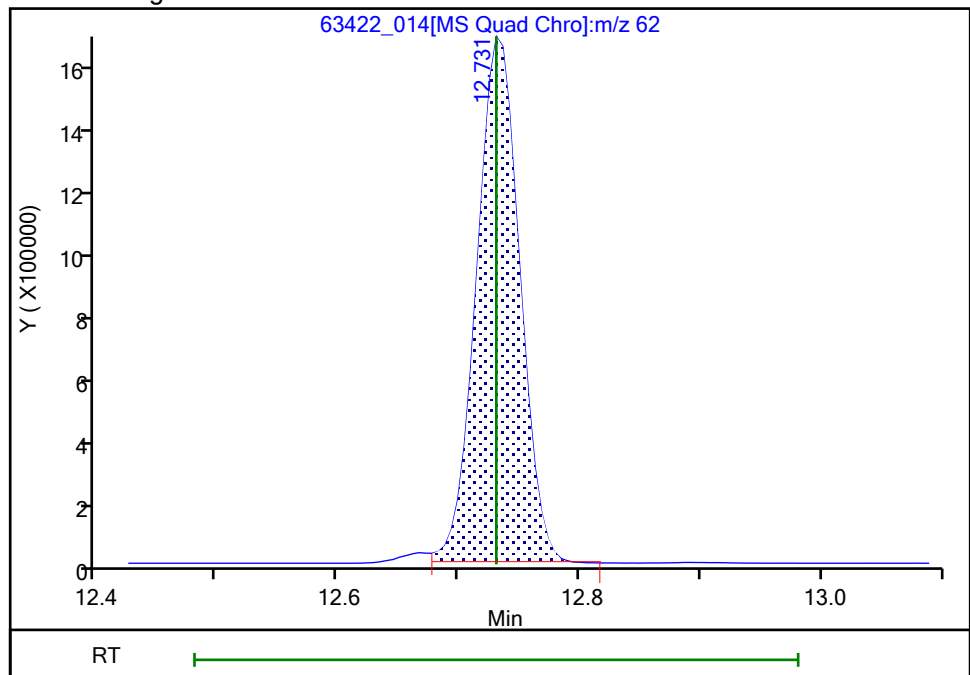
RT: 12.73
Area: 4145032
Amount: 28.371135
Amount Units: ppb v/v

Processing Integration Results



RT: 12.73
Area: 4130275
Amount: 29.143306
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 15:28:00 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

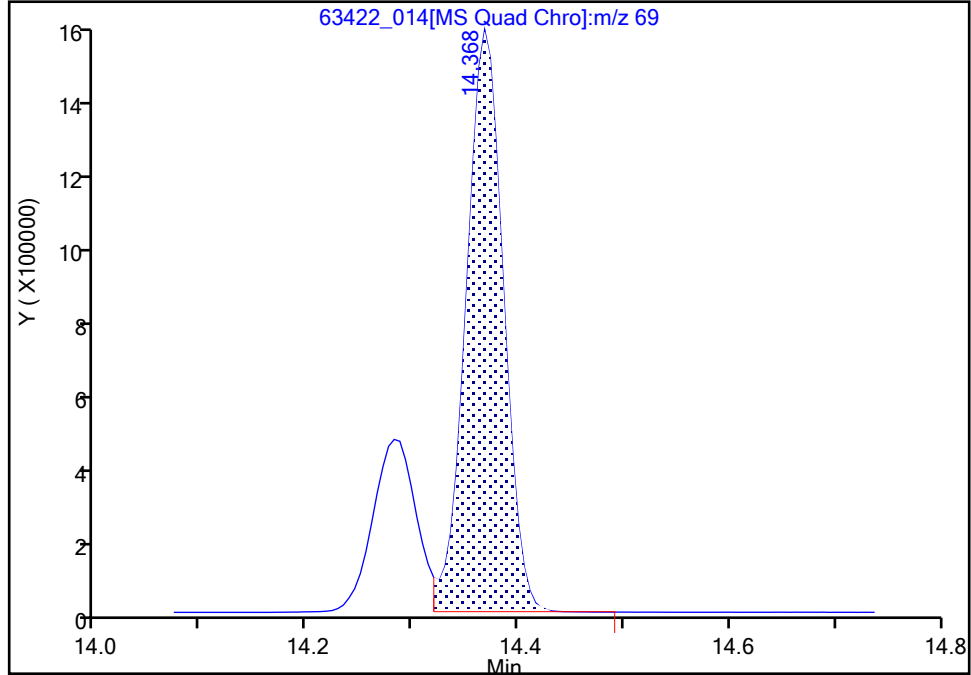
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Injection Date: 19-Dec-2024 01:10:48 Instrument ID: CHAN.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Signal: 1

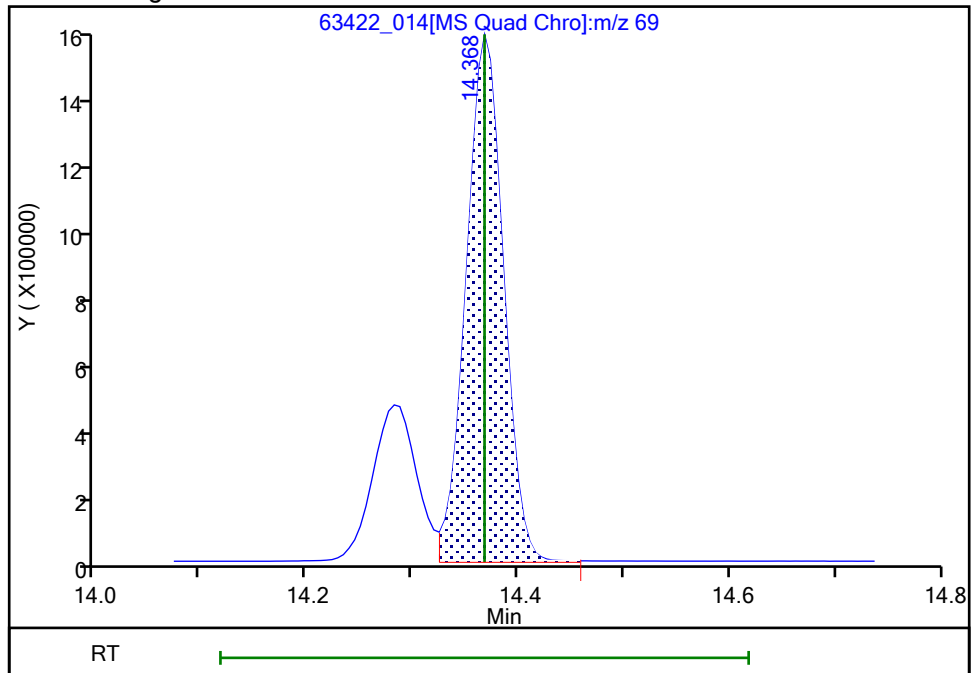
RT: 14.37
Area: 3774160
Amount: 33.465063
Amount Units: ppb v/v

Processing Integration Results



RT: 14.37
Area: 3742316
Amount: 34.042201
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 19-Dec-2024 15:28:27 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 19-Dec-2024 02:02:33 ALS Bottle#: 9 Worklist Smp#: 15
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063422-015
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Dec-2024 07:00:02 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1707

First Level Reviewer: BKZ7

Date: 19-Dec-2024 06:48:04

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	4.353	4.353	0.000	96	40222	0.4254	0.3881	
2 Dichlorodifluoromethane	85	4.455	4.449	0.006	99	83588	0.4254	0.3884	
3 Chlorodifluoromethane	51	4.497	4.497	0.000	97	64701	0.4254	0.3830	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	98	88844	0.4254	0.3844	
5 Chloromethane	50	4.931	4.931	0.000	99	41946	0.4254	0.4102	
6 Vinyl chloride	62	5.230	5.230	0.000	71	42386	0.4254	0.4422	
7 Butane	43	5.236	5.230	0.006	99	69012	0.4254	0.4407	
8 Butadiene	54	5.343	5.343	0.000	98	32963	0.4254	0.4332	
9 Bromomethane	94	6.065	6.070	-0.005	98	30678	0.4254	0.4245	
10 Chloroethane	64	6.338	6.338	0.000	100	21084	0.4254	0.4278	
12 2-Methylbutane	43	6.552	6.552	0.000	96	56288	0.4254	0.4132	
13 Vinyl bromide	106	6.755	6.755	0.000	98	28239	0.4254	0.4332	
14 Trichlorofluoromethane	101	6.926	6.921	0.005	98	74253	0.4254	0.3970	
15 Pentane	43	7.129	7.129	0.000	97	82633	0.4254	0.4180	
16 Ethanol	45	7.290	7.274	0.016	97	213334	4.26	4.26	
18 Ethyl ether	59	7.552	7.536	0.016	97	27272	0.4254	0.4082	
19 Acrolein	56	7.777	7.766	0.011	96	18093	0.4981	0.5167	
20 1,1-Dichloroethene	96	7.980	7.975	0.005	92	32147	0.4254	0.3912	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.023	8.023	0.000	91	65950	0.4254	0.4209	
22 Acetone	43	8.066	8.039	0.027	98	102997	0.4254	0.6372	
23 Isopropyl alcohol	45	8.355	8.328	0.027	99	73588	0.4930	0.4546	
24 Carbon disulfide	76	8.381	8.381	0.000	100	113582	0.4254	0.4606	
25 Acetonitrile	41	8.547	8.536	0.011	99	42542	0.4254	0.4835	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	93	52962	0.4254	0.3869	
27 Methylene Chloride	49	8.890	8.895	-0.005	99	51818	0.4254	0.4312	
28 2-Methyl-2-propanol	59	9.125	9.093	0.032	100	72913	0.4254	0.3825	
29 Acrylonitrile	53	9.296	9.280	0.016	97	31831	0.4254	0.4382	
30 trans-1,2-Dichloroethene	61	9.392	9.392	0.000	95	56358	0.4254	0.4084	
31 Methyl tert-butyl ether	73	9.419	9.398	0.021	98	95995	0.4254	0.3940	
32 Hexane	57	9.917	9.917	0.000	94	60781	0.4254	0.4005	
33 1,1-Dichloroethane	63	10.152	10.157	-0.005	99	70606	0.4254	0.3994	

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	10.168	10.163	0.005	100	87915	0.4845	0.3694	
S 35 1,2-Dichloroethene, Total	61				0		0.8508	0.8236	
36 2-Butanone (MEK)	72	11.136	11.110	0.026	100	19647	0.4254	0.4318	
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	98	37113	0.4254	0.4151	
38 Ethyl acetate	88	11.222	11.201	0.021	98	2719	0.4254	0.3859	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	97	588597	10.0	10.0	
40 Tetrahydrofuran	42	11.613	11.597	0.016	97	49292	0.4254	0.3857	
41 Chloroform	83	11.725	11.730	-0.005	97	71102	0.4254	0.3923	
42 1,1,1-Trichloroethane	97	12.041	12.046	-0.005	97	64614	0.4254	0.3760	
43 Cyclohexane	84	12.190	12.190	0.000	95	45763	0.4254	0.4085	M
44 Carbon tetrachloride	117	12.324	12.324	0.000	97	59512	0.4254	0.3672	
45 Benzene	78	12.666	12.667	0.000	97	114637	0.4254	0.4154	
46 1,2-Dichloroethane	62	12.731	12.731	0.000	94	47814	0.4254	0.3657	
47 Isooctane	57	12.896	12.897	-0.001	99	199214	0.4254	0.4026	
48 n-Heptane	43	13.201	13.201	0.000	96	76926	0.4254	0.3701	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	97	2936472	10.0	10.0	
50 n-Butanol	56	13.619	13.603	0.016	93	30691	0.4254	0.4214	
51 Trichloroethene	95	13.833	13.833	0.000	93	45975	0.4254	0.4033	
53 1,2-Dichloropropane	63	14.282	14.282	0.000	78	47427	0.4254	0.3994	
54 Methyl methacrylate	69	14.378	14.368	0.010	93	39088	0.4254	0.3854	
55 1,4-Dioxane	88	14.427	14.405	0.022	62	22232	0.4254	0.4281	
57 Dibromomethane	174	14.437	14.432	0.005	90	34294	0.4254	0.4154	
58 Dichlorobromomethane	83	14.742	14.742	0.000	98	74999	0.4254	0.3720	
59 cis-1,3-Dichloropropene	75	15.545	15.545	0.000	94	72399	0.4254	0.3932	
61 4-Methyl-2-pentanone (MIBK)	43	15.817	15.807	0.010	96	95158	0.4254	0.3599	
62 Toluene	92	16.197	16.192	0.005	93	73364	0.4254	0.4115	
A 63 Toluene Range	1	16.211	(16.128-16.294)	0	325953	NC	NC		
64 n-Octane	43	16.449	16.454	-0.005	96	107530	0.4254	0.3642	
A 65 C8 Range	1	16.460	(16.374-16.545)	0	377907	NC	NC		
66 trans-1,3-Dichloropropene	75	16.599	16.593	0.006	97	57921	0.4254	0.3954	
67 1,1,2-Trichloroethane	83	16.973	16.968	0.005	97	39757	0.4254	0.4040	
68 Tetrachloroethene	166	17.187	17.187	0.000	93	47409	0.4254	0.4107	
69 2-Hexanone	43	17.385	17.380	0.005	92	91877	0.4254	0.3853	
70 Chlorodibromomethane	129	17.706	17.706	0.000	97	62483	0.4254	0.3796	
71 Ethylene Dibromide	107	17.947	17.947	0.000	99	65677	0.4254	0.4153	
* 73 Chlorobenzene-d5	117	18.861	18.862	-0.001	90	2504516	10.0	10.0	
74 Chlorobenzene	112	18.920	18.920	0.000	92	93061	0.4254	0.4185	
75 Ethylbenzene	91	19.118	19.118	0.000	99	162629	0.4254	0.4069	
76 m-Xylene & p-Xylene	106	19.380	19.380	0.000	0	115816	0.8508	0.8137	
77 n-Nonane	57	19.450	19.450	0.000	96	94287	0.4254	0.3945	
S 80 Xylenes, Total	106				0		1.28	1.21	
78 o-Xylene	106	20.151	20.151	0.000	97	55065	0.4254	0.3954	
79 Styrene	104	20.183	20.183	0.000	99	88158	0.4254	0.3910	
81 Bromoform	173	20.520	20.515	0.005	93	54197	0.4254	0.3766	
82 Isopropylbenzene	105	20.836	20.841	-0.005	99	171674	0.4254	0.4079	
83 1,1,2,2-Tetrachloroethane	83	21.338	21.339	0.000	97	109817	0.4254	0.4157	
84 1,2,3-Trichloropropane	75	21.440	21.440	0.000	99	86252	0.4254	0.4233	
85 N-Propylbenzene	91	21.547	21.547	0.000	98	221728	0.4254	0.4104	
86 2-Chlorotoluene	91	21.692	21.692	0.000	96	135499	0.4254	0.4070	
87 4-Ethyltoluene	105	21.745	21.745	0.000	98	163281	0.4254	0.4069	
88 1,3,5-Trimethylbenzene	105	21.836	21.841	-0.005	91	135980	0.4254	0.3994	
89 n-Decane	57	21.873	21.873	0.000	88	123095	0.4254	0.4026	

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	22.162	22.162	0.000	84	61938	0.4254	0.3727	
91 tert-Butylbenzene	119	22.317	22.318	-0.001	90	128379	0.4254	0.4024	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	98	138816	0.4254	0.4040	
93 sec-Butylbenzene	105	22.644	22.644	0.000	99	215112	0.4254	0.4132	
94 1,3-Dichlorobenzene	146	22.810	22.810	0.000	97	89832	0.4254	0.4285	
95 4-Isopropyltoluene	119	22.852	22.852	0.000	97	168863	0.4254	0.4104	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	92	91527	0.4254	0.4403	
97 Benzyl chloride	91	23.093	23.093	0.000	98	143237	0.4254	0.4285	
98 n-Butylbenzene	91	23.409	23.409	0.000	98	181135	0.4254	0.3975	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	93	90705	0.4254	0.4415	
100 Undecane	57	23.564	23.564	0.000	96	124705	0.4254	0.3525	
101 Dodecane	57	25.153	25.153	0.000	94	90043	0.4254	0.2662	
102 1,2,4-Trichlorobenzene	180	25.886	25.891	-0.005	93	68838	0.4990	0.5108	
103 Hexachlorobutadiene	225	26.143	26.143	0.000	93	57057	0.4781	0.4774	
104 Naphthalene	128	26.367	26.367	0.000	98	157250	0.5058	0.4981	
105 1,2,3-Trichlorobenzene	180	26.785	26.785	-0.001	93	75771	0.4956	0.5537	
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:

ATTO15CAL2w_00353

Amount Added: 170.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Dec-2024 07:00:02

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D

Injection Date: 19-Dec-2024 02:02:33

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: IC

Worklist Smp#: 15

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

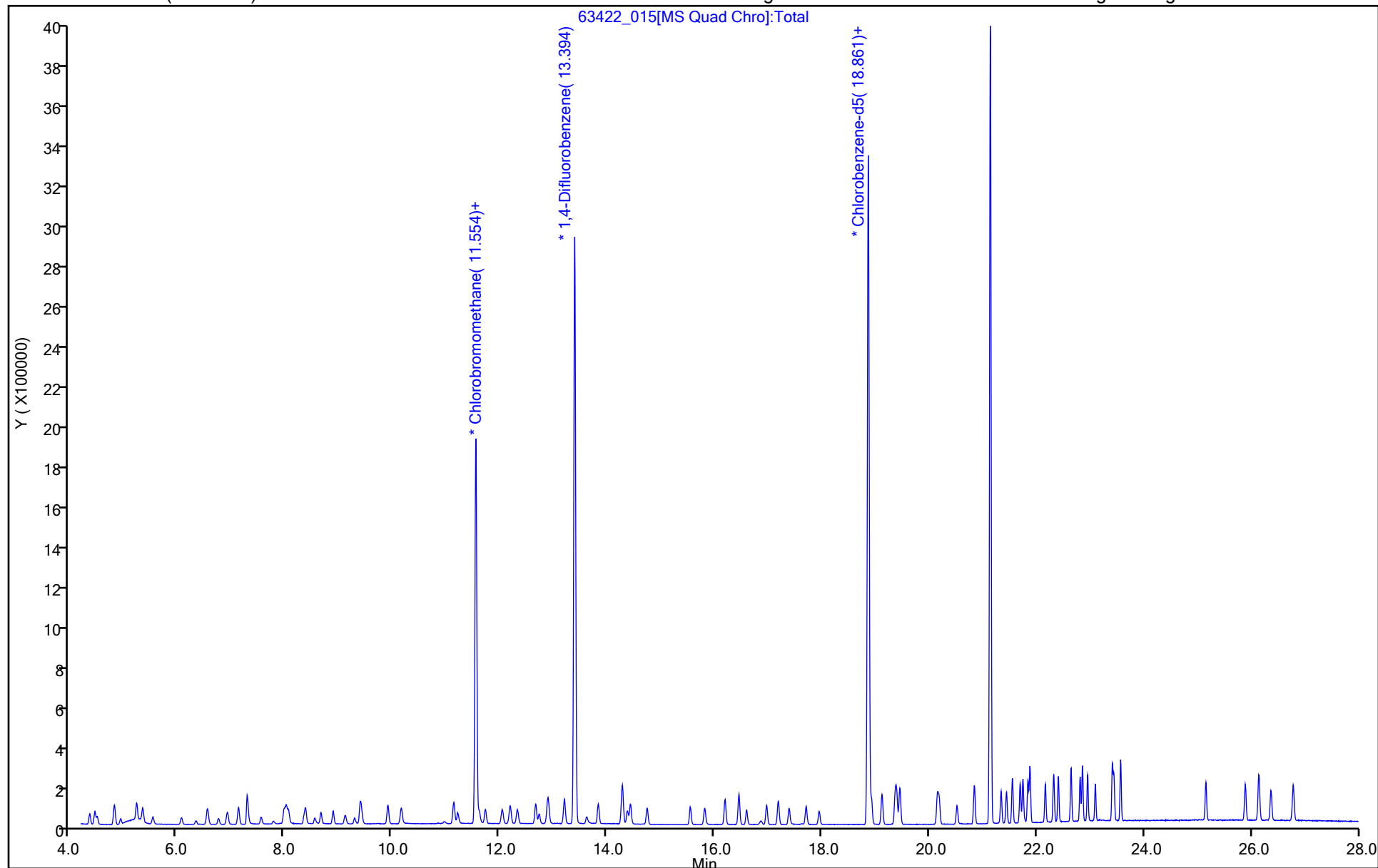
ALS Bottle#: 9

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

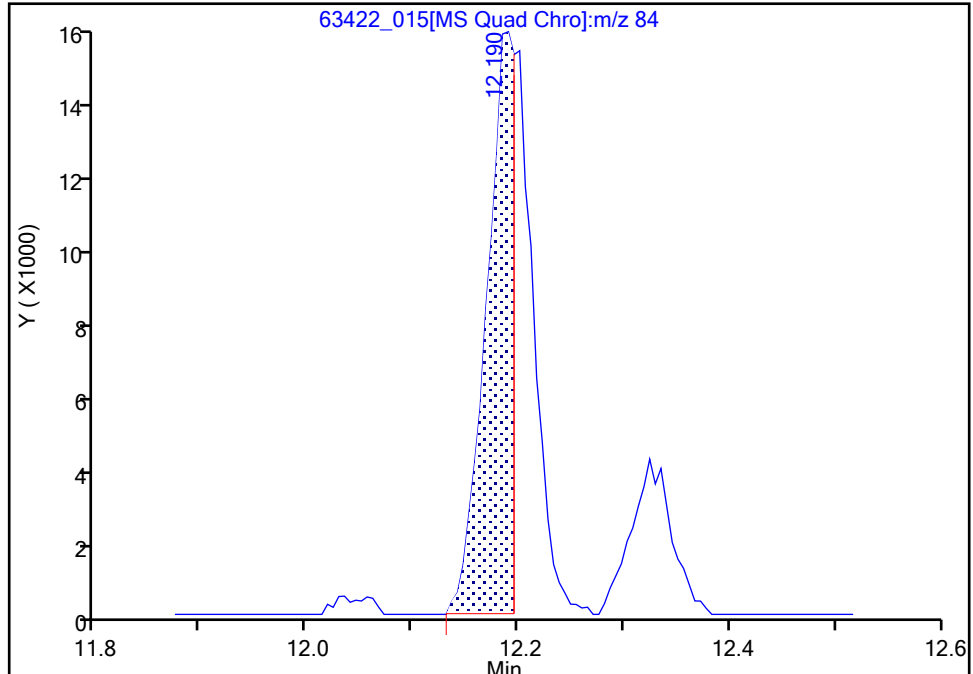
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
Injection Date: 19-Dec-2024 02:02:33 Instrument ID: CHAN.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

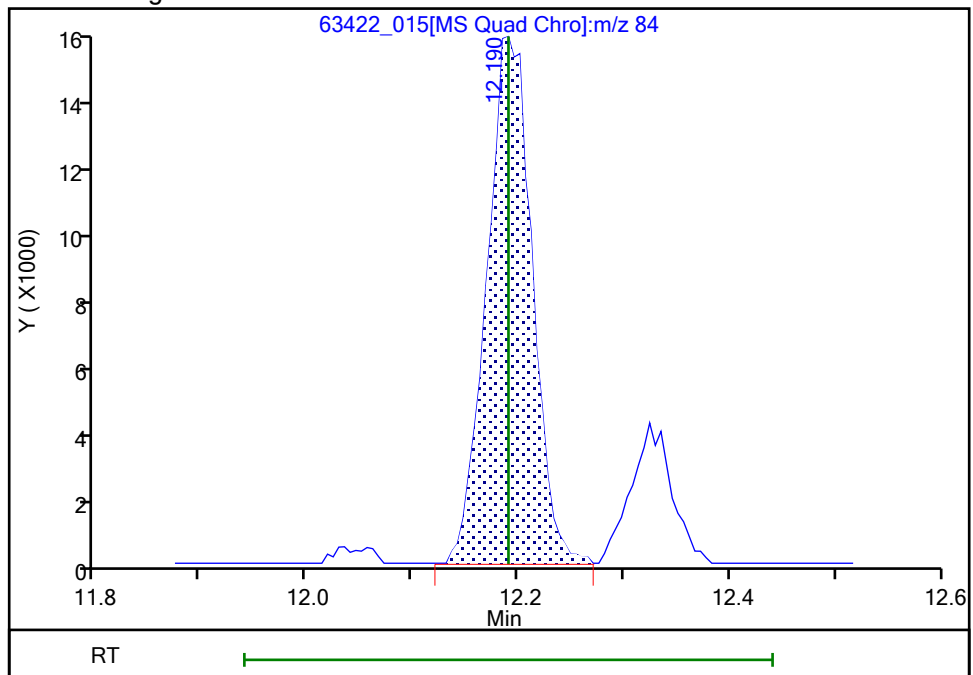
RT: 12.19
Area: 28852
Amount: 0.271322
Amount Units: ppb v/v

Processing Integration Results



RT: 12.19
Area: 45763
Amount: 0.408534
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 19-Dec-2024 06:50:41 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Calibration

/ Propene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

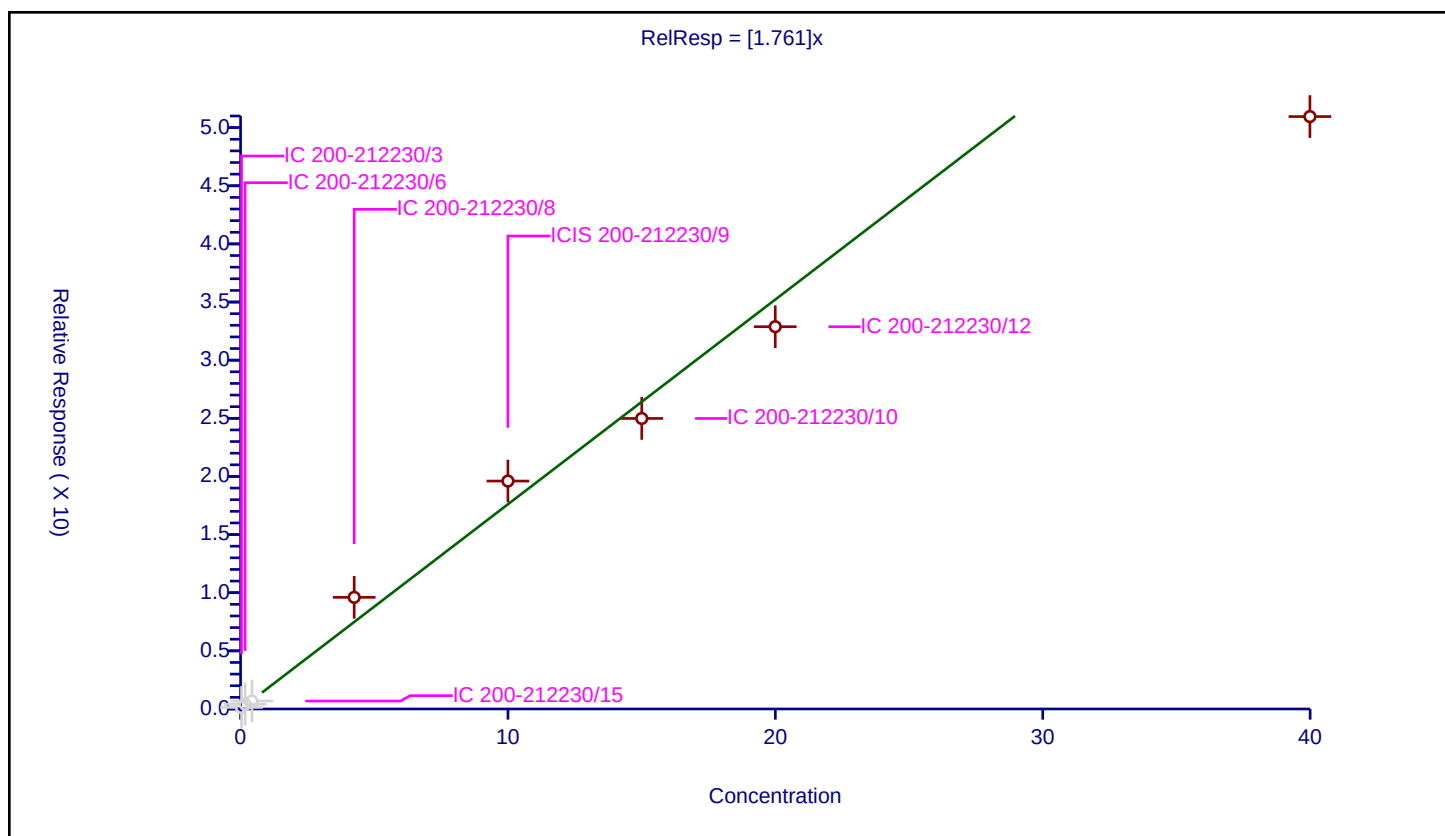
Curve Coefficients

Intercept: 0
Slope: 1.761

Error Coefficients

Relative Standard Deviation: 21.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.133521	10.0	408700.0	3.806515	N
2	IC 200-212230/6	0.170154	0.405536	10.0	347417.0	2.383347	N
3	IC 200-212230/15	0.425385	0.683354	10.0	588597.0	1.606437	N
4	IC 200-212230/8	4.249175	9.602564	10.0	313409.0	2.259865	Y
5	ICIS 200-212230/9	9.99806	19.604917	10.0	370378.0	1.960872	Y
6	IC 200-212230/10	15.003557	24.989382	10.0	478893.0	1.665564	Y
7	IC 200-212230/12	19.99612	32.877963	10.0	494242.0	1.644217	Y
8	IC 200-212230/14	39.99224	50.951059	10.0	650275.0	1.274024	Y



Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

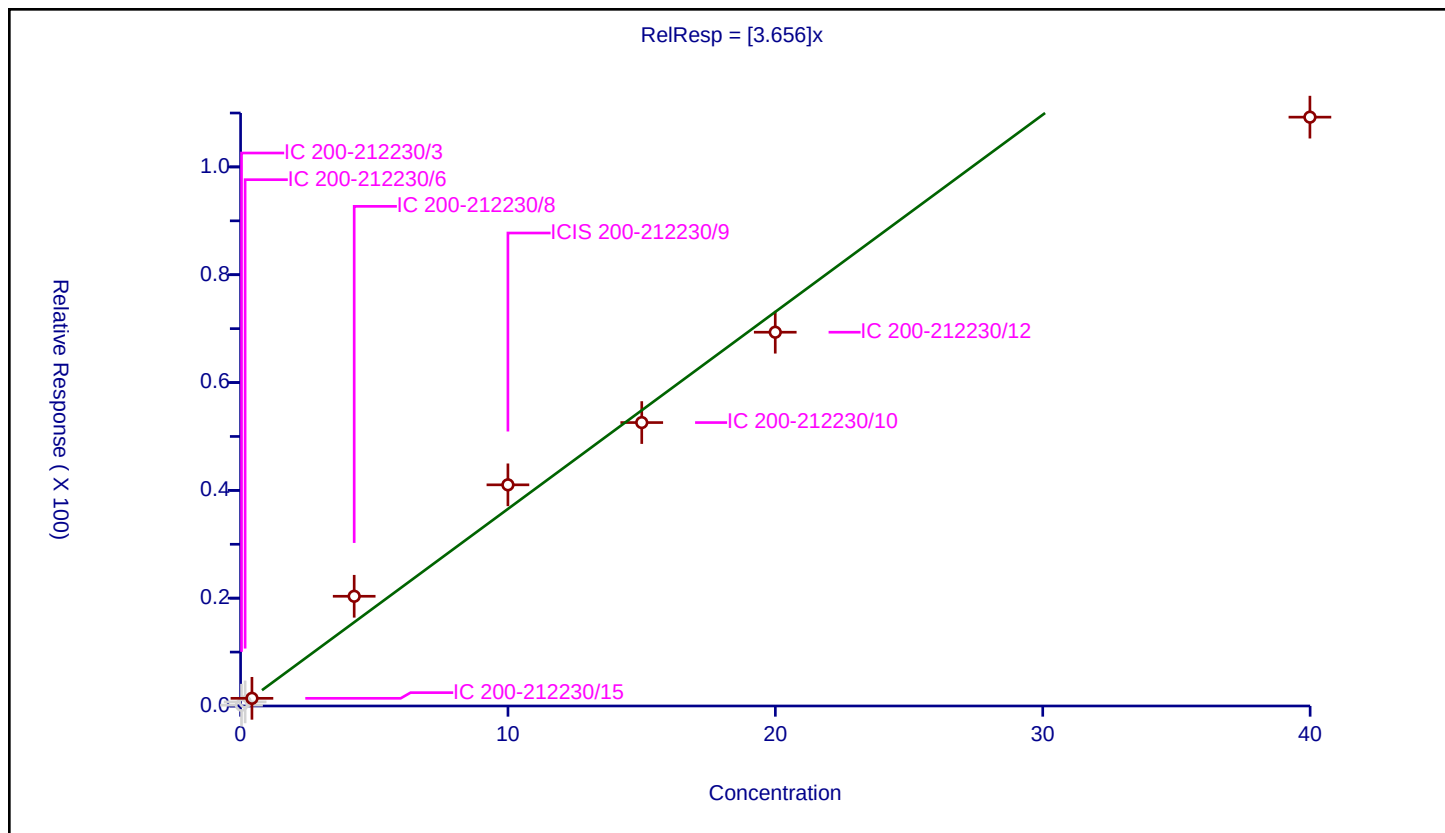
Curve Coefficients

Intercept: 0
Slope: 3.656

Error Coefficients

Relative Standard Deviation: 19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.152508	10.0	408700.0	4.347812	N
2	IC 200-212230/6	0.170154	0.758195	10.0	347417.0	4.45594	N
3	IC 200-212230/15	0.425385	1.420123	10.0	588597.0	3.338443	Y
4	IC 200-212230/8	4.249175	20.355031	10.0	313409.0	4.790349	Y
5	ICIS 200-212230/9	9.99806	41.026789	10.0	370378.0	4.103475	Y
6	IC 200-212230/10	15.003557	52.578822	10.0	478893.0	3.504424	Y
7	IC 200-212230/12	19.99612	69.336621	10.0	494242.0	3.467504	Y
8	IC 200-212230/14	39.99224	109.231525	10.0	650275.0	2.731318	Y



Calibration

/ Chlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

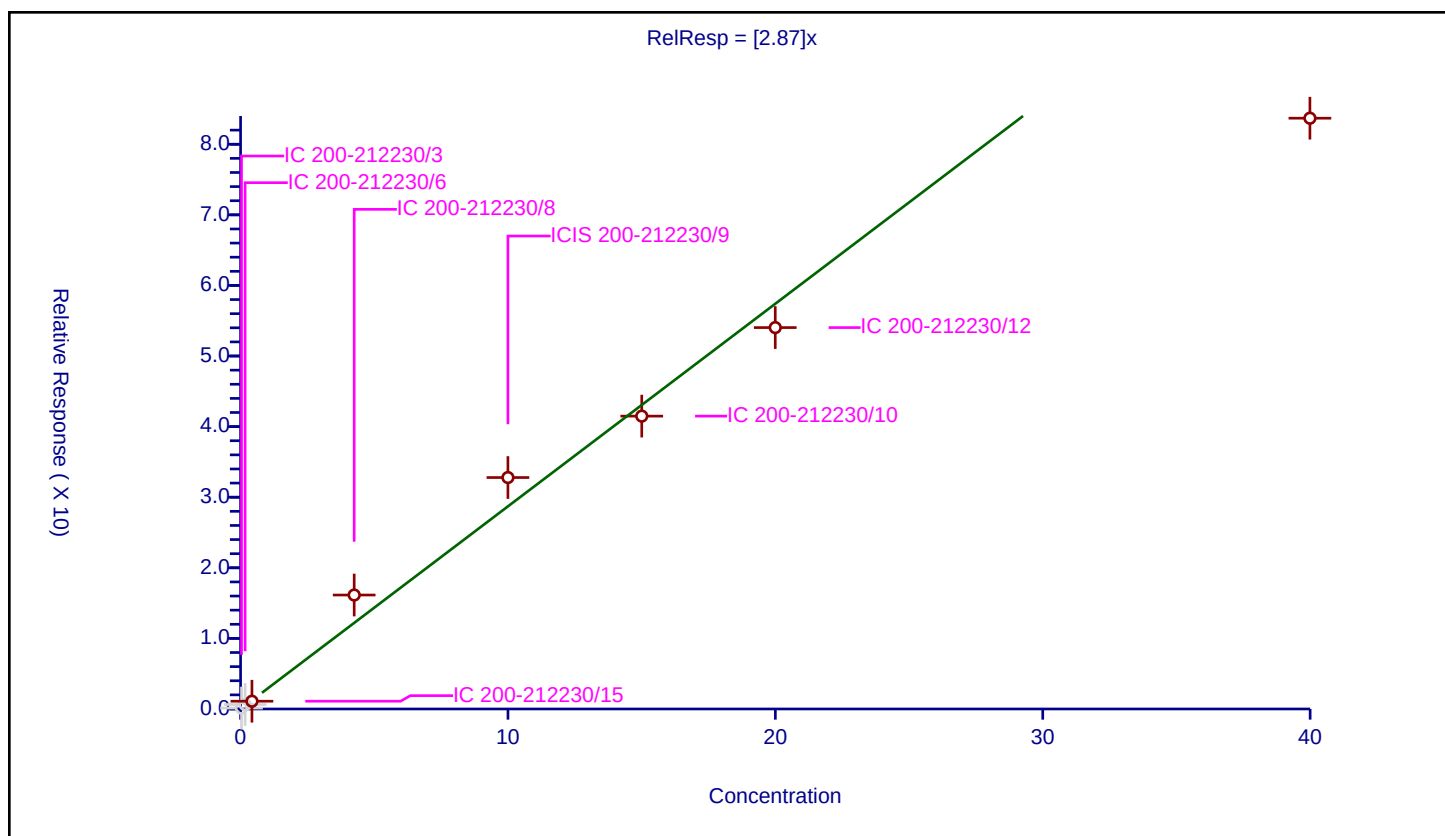
Curve Coefficients

Intercept: 0
 Slope: 2.87

Error Coefficients

Relative Standard Deviation: 20.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.131441	10.0	408700.0	3.747224	N
2	IC 200-212230/6	0.170154	0.631431	10.0	347417.0	3.710943	N
3	IC 200-212230/15	0.425385	1.099241	10.0	588597.0	2.584111	Y
4	IC 200-212230/8	4.249175	16.144718	10.0	313409.0	3.799494	Y
5	ICIS 200-212230/9	9.99806	32.785992	10.0	370378.0	3.279235	Y
6	IC 200-212230/10	15.003557	41.487723	10.0	478893.0	2.765192	Y
7	IC 200-212230/12	19.99612	54.02744	10.0	494242.0	2.701896	Y
8	IC 200-212230/14	39.99224	83.691361	10.0	650275.0	2.09269	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

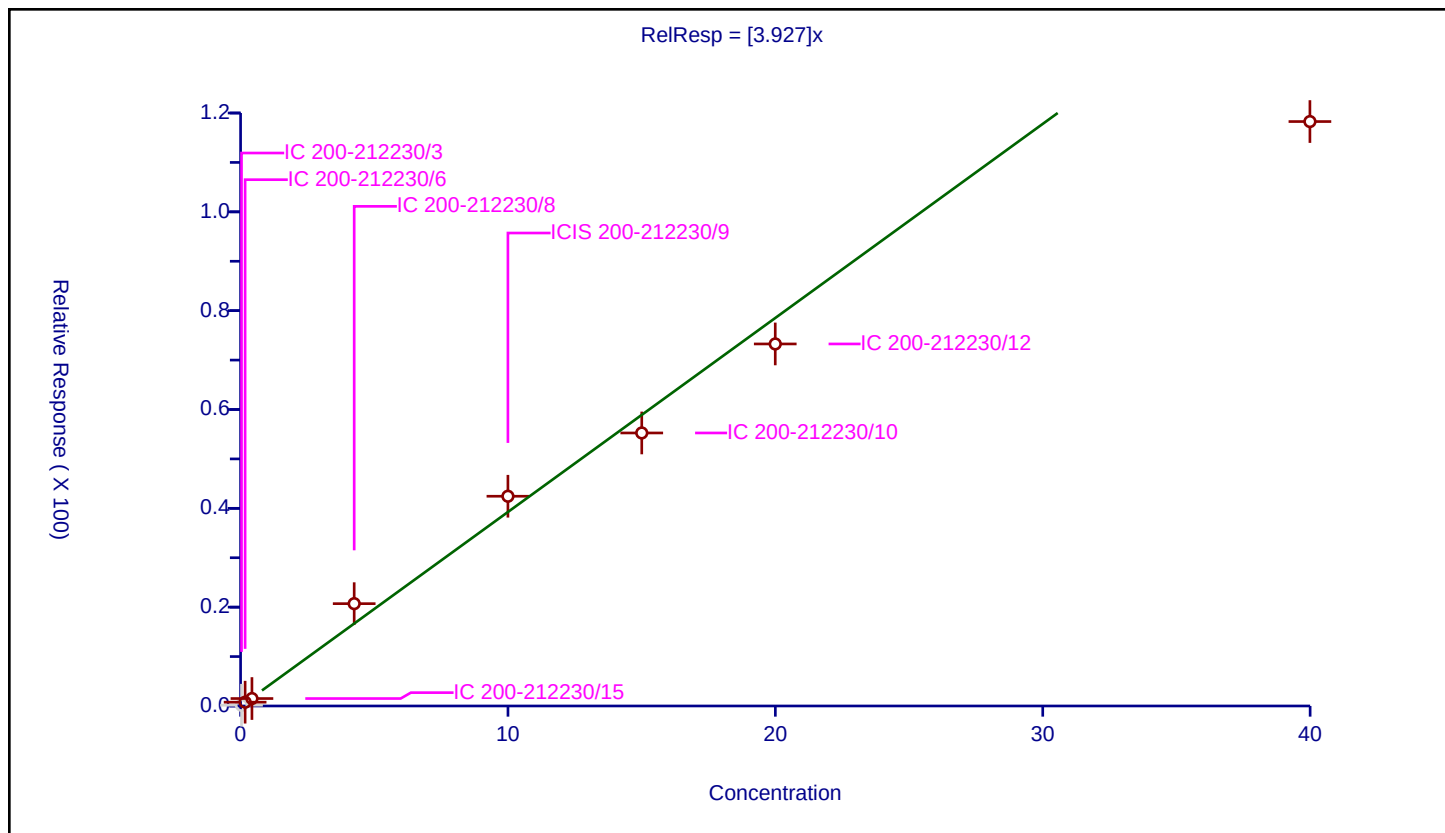
Curve Coefficients

Intercept: 0
Slope: 3.927

Error Coefficients

Relative Standard Deviation: 16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.152092	10.0	408700.0	4.335954	N
2	IC 200-212230/6	0.170154	0.76827	10.0	347417.0	4.515147	Y
3	IC 200-212230/15	0.425385	1.50942	10.0	588597.0	3.548364	Y
4	IC 200-212230/8	4.249175	20.707957	10.0	313409.0	4.873406	Y
5	ICIS 200-212230/9	9.99806	42.448904	10.0	370378.0	4.245714	Y
6	IC 200-212230/10	15.003557	55.252927	10.0	478893.0	3.682655	Y
7	IC 200-212230/12	19.99612	73.264737	10.0	494242.0	3.663948	Y
8	IC 200-212230/14	39.99224	118.271716	10.0	650275.0	2.957367	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

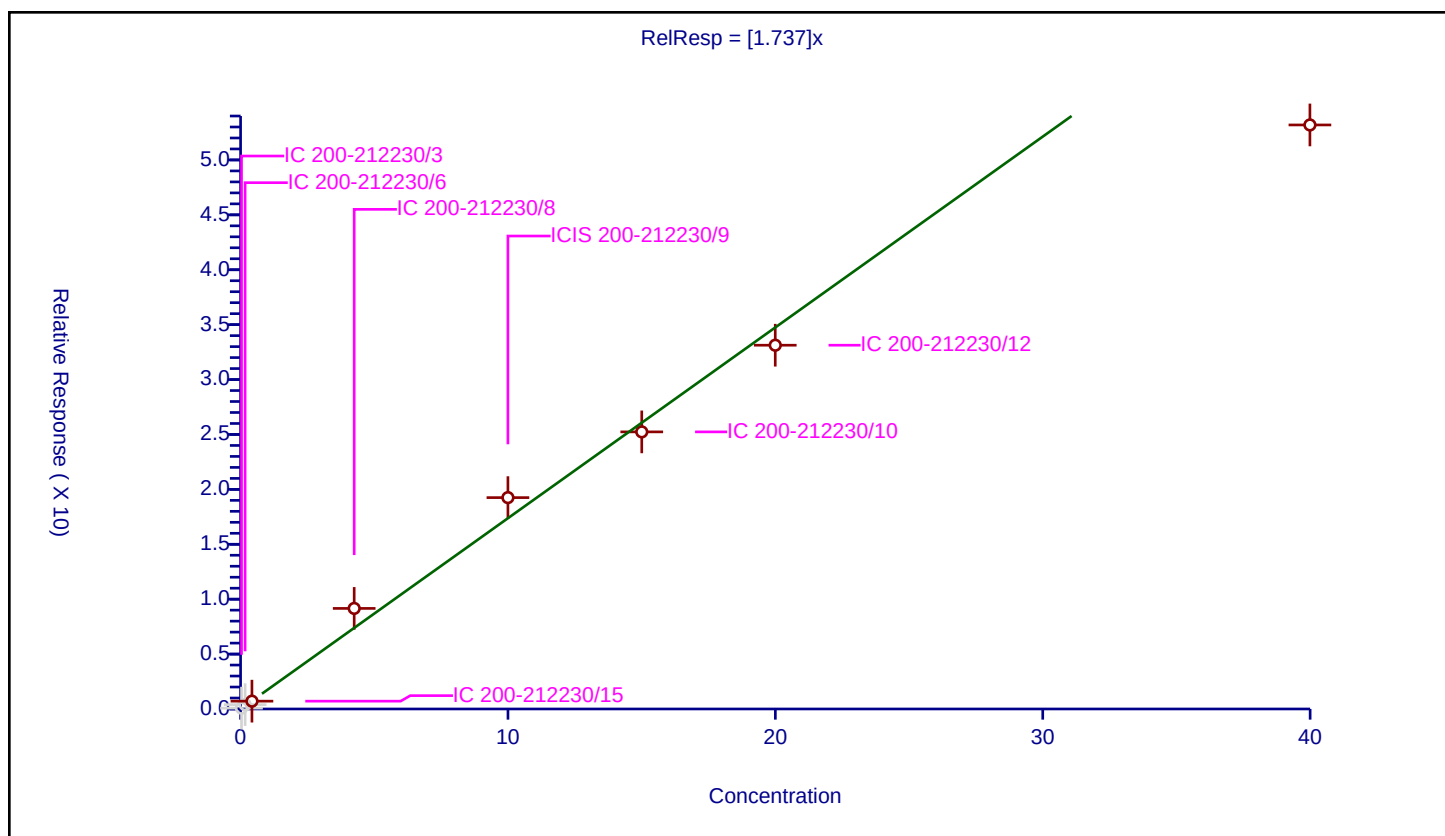
Curve Coefficients

Intercept: 0
Slope: 1.737

Error Coefficients

Relative Standard Deviation: 16.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.078224	10.0	408700.0	2.230059	N
2	IC 200-212230/6	0.170154	0.397217	10.0	347417.0	2.334459	N
3	IC 200-212230/15	0.425385	0.712644	10.0	588597.0	1.675292	Y
4	IC 200-212230/8	4.249175	9.159341	10.0	313409.0	2.155557	Y
5	ICIS 200-212230/9	9.99806	19.249982	10.0	370378.0	1.925372	Y
6	IC 200-212230/10	15.003557	25.234739	10.0	478893.0	1.681917	Y
7	IC 200-212230/12	19.99612	33.128265	10.0	494242.0	1.656735	Y
8	IC 200-212230/14	39.99224	53.186483	10.0	650275.0	1.32992	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

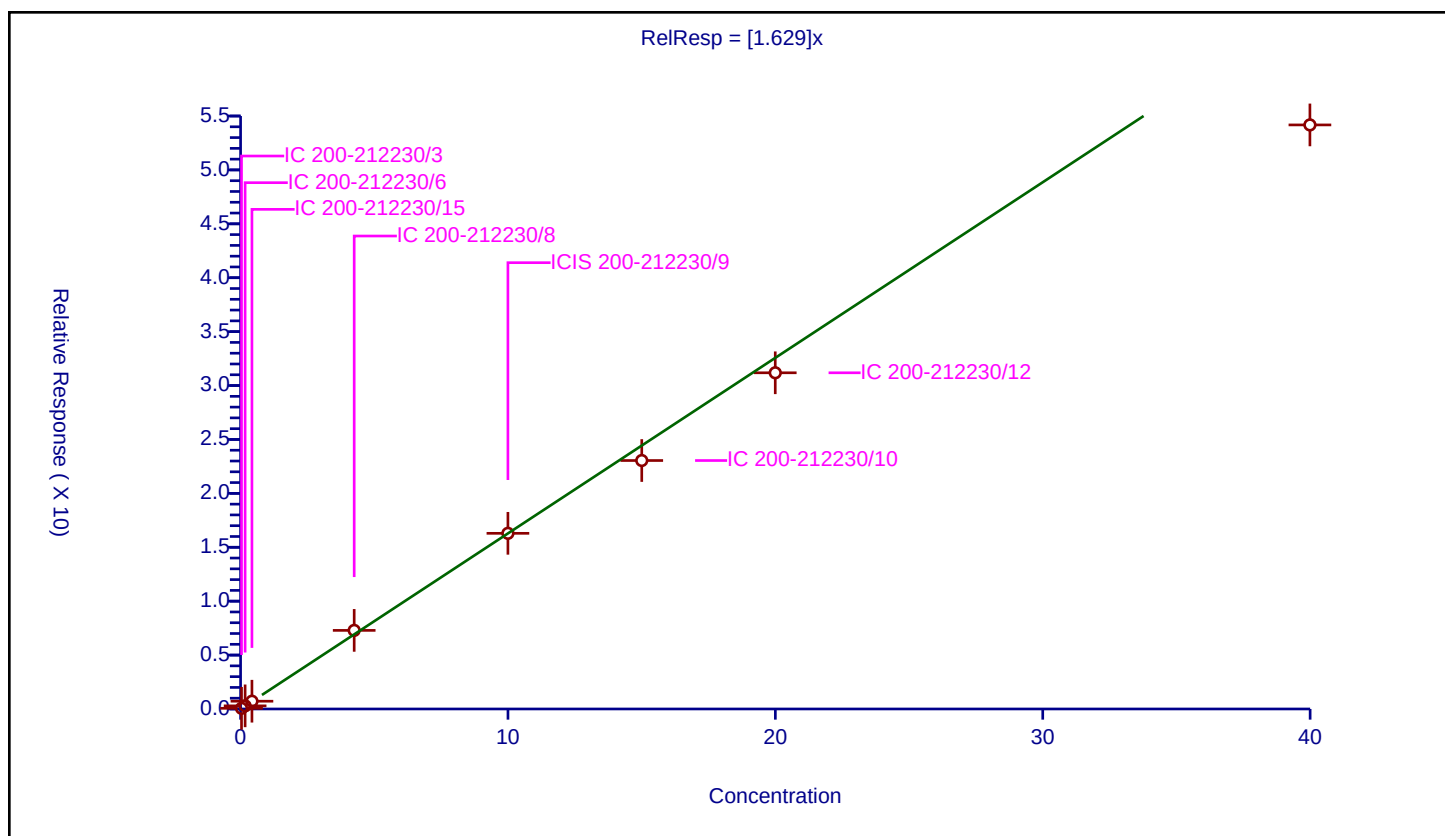
Curve Coefficients

Intercept: 0
Slope: 1.629

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.064155	10.0	408700.0	1.828969	Y
2	IC 200-212230/6	0.170154	0.291149	10.0	347417.0	1.711109	Y
3	IC 200-212230/15	0.425385	0.720119	10.0	588597.0	1.692866	Y
4	IC 200-212230/8	4.249175	7.290888	10.0	313409.0	1.715836	Y
5	ICIS 200-212230/9	9.99806	16.293435	10.0	370378.0	1.62966	Y
6	IC 200-212230/10	15.003557	23.046818	10.0	478893.0	1.53609	Y
7	IC 200-212230/12	19.99612	31.182619	10.0	494242.0	1.559434	Y
8	IC 200-212230/14	39.99224	54.174388	10.0	650275.0	1.354623	Y



Calibration

/ Butane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

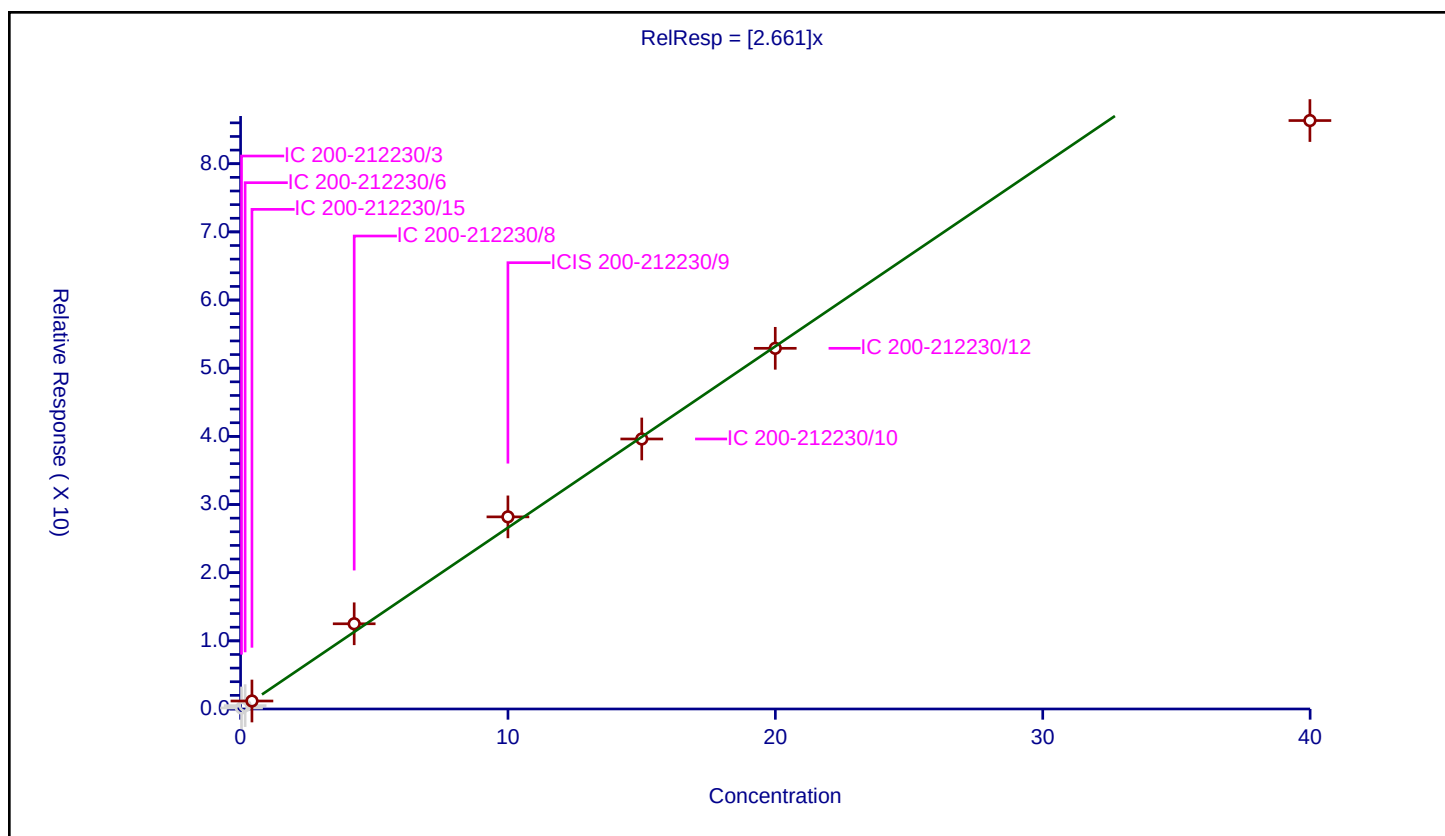
Curve Coefficients

Intercept: 0
Slope: 2.661

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.150991	10.0	408700.0	4.304564	N
2	IC 200-212230/6	0.170154	0.49301	10.0	347417.0	2.897435	N
3	IC 200-212230/15	0.425385	1.172483	10.0	588597.0	2.756289	Y
4	IC 200-212230/8	4.249175	12.501492	10.0	313409.0	2.942098	Y
5	ICIS 200-212230/9	9.99806	28.185637	10.0	370378.0	2.819111	Y
6	IC 200-212230/10	15.003557	39.616616	10.0	478893.0	2.640482	Y
7	IC 200-212230/12	19.99612	52.91851	10.0	494242.0	2.646439	Y
8	IC 200-212230/14	39.99224	86.335335	10.0	650275.0	2.158802	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

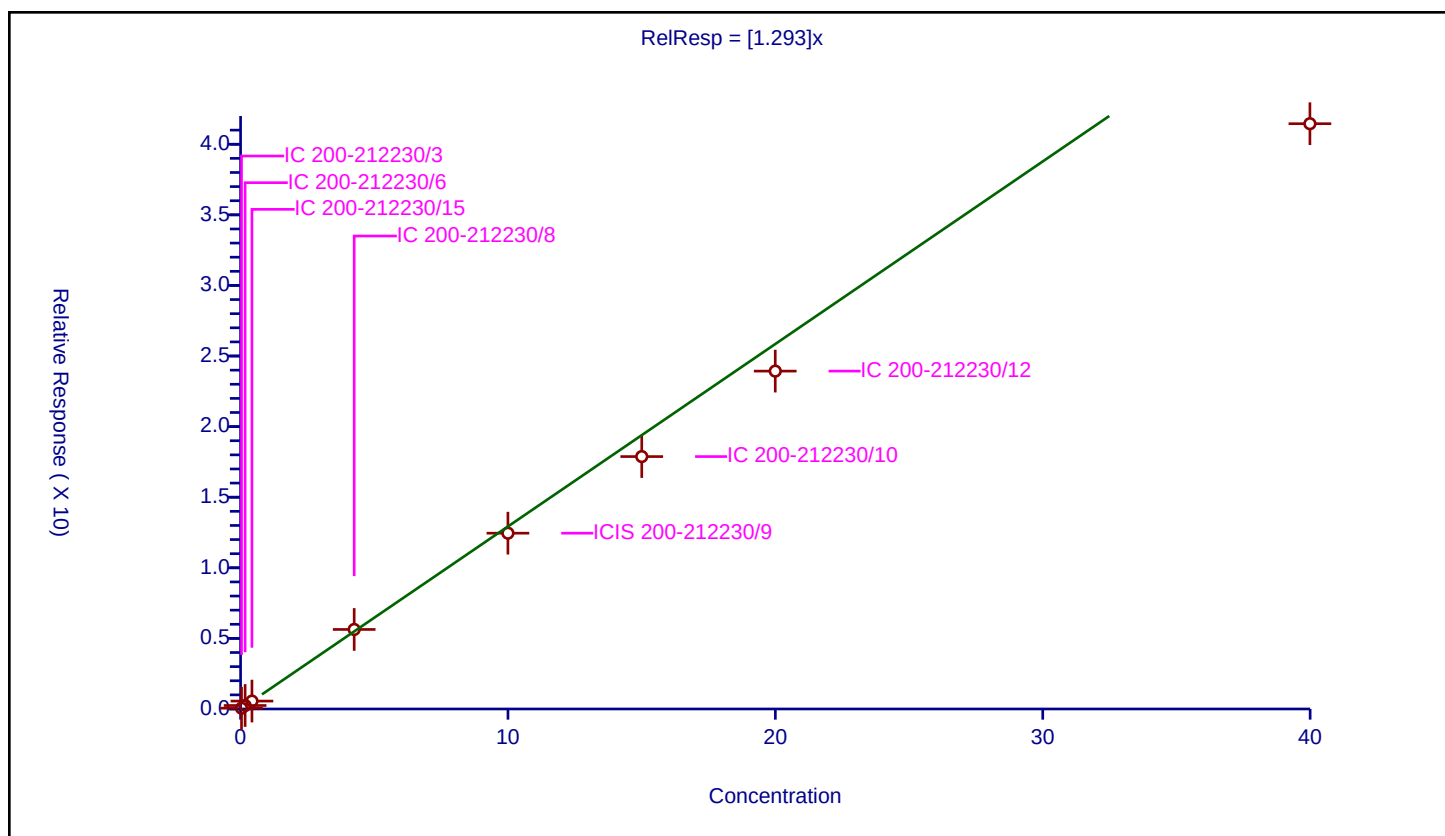
Curve Coefficients

Intercept: 0
Slope: 1.293

Error Coefficients

Relative Standard Deviation: 13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.055542	10.0	408700.0	1.583432	Y
2	IC 200-212230/6	0.170154	0.245987	10.0	347417.0	1.445673	Y
3	IC 200-212230/15	0.425385	0.560027	10.0	588597.0	1.316518	Y
4	IC 200-212230/8	4.249175	5.633757	10.0	313409.0	1.325847	Y
5	ICIS 200-212230/9	9.99806	12.452467	10.0	370378.0	1.245488	Y
6	IC 200-212230/10	15.003557	17.877981	10.0	478893.0	1.191583	Y
7	IC 200-212230/12	19.99612	23.931192	10.0	494242.0	1.196792	Y
8	IC 200-212230/14	39.99224	41.455307	10.0	650275.0	1.036584	Y



Calibration

/ Bromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

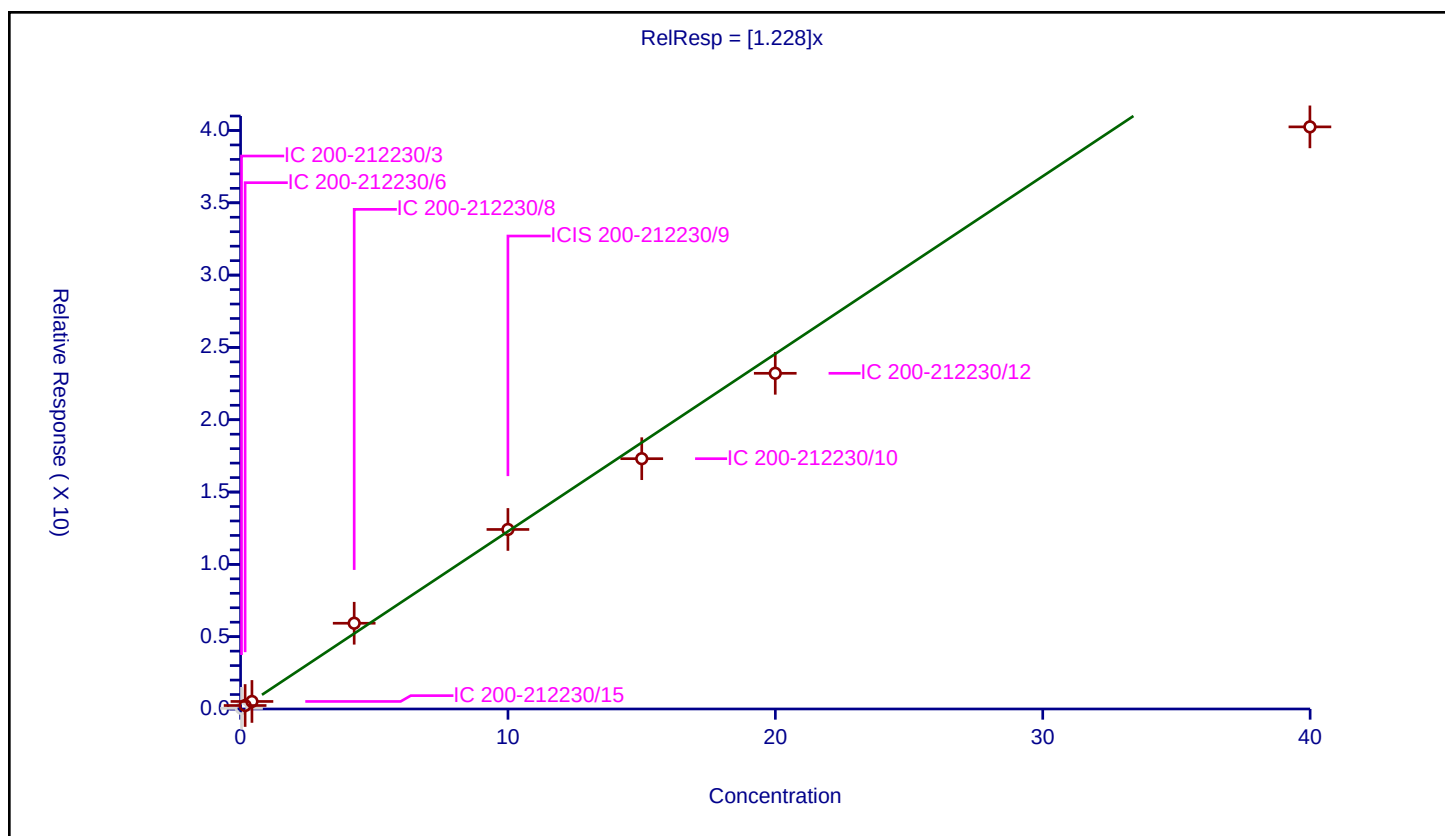
Curve Coefficients

Intercept: 0
Slope: 1.228

Error Coefficients

Relative Standard Deviation: 11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.045804	10.0	408700.0	1.305808	N
2	IC 200-212230/6	0.170154	0.24023	10.0	347417.0	1.41184	Y
3	IC 200-212230/15	0.425385	0.521206	10.0	588597.0	1.225257	Y
4	IC 200-212230/8	4.249175	5.928898	10.0	313409.0	1.395306	Y
5	ICIS 200-212230/9	9.99806	12.413048	10.0	370378.0	1.241546	Y
6	IC 200-212230/10	15.003557	17.307749	10.0	478893.0	1.153576	Y
7	IC 200-212230/12	19.99612	23.211018	10.0	494242.0	1.160776	Y
8	IC 200-212230/14	39.99224	40.248864	10.0	650275.0	1.006417	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

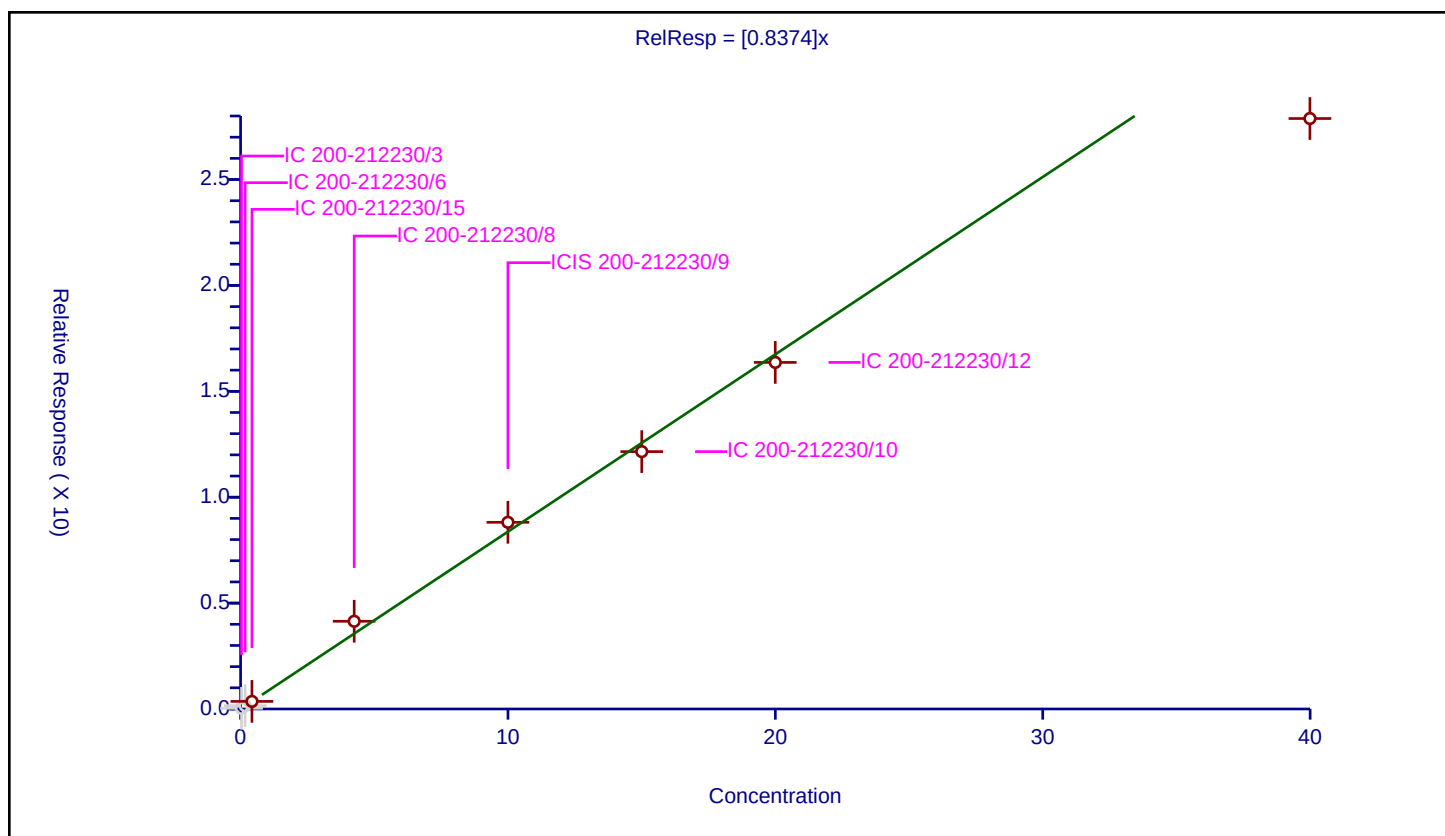
Curve Coefficients

Intercept: 0
Slope: 0.8374

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.033986	10.0	408700.0	0.968893	N
2	IC 200-212230/6	0.170154	0.158743	10.0	347417.0	0.932938	N
3	IC 200-212230/15	0.425385	0.358208	10.0	588597.0	0.84208	Y
4	IC 200-212230/8	4.249175	4.142127	10.0	313409.0	0.974807	Y
5	ICIS 200-212230/9	9.99806	8.814454	10.0	370378.0	0.881616	Y
6	IC 200-212230/10	15.003557	12.153028	10.0	478893.0	0.81001	Y
7	IC 200-212230/12	19.99612	16.364918	10.0	494242.0	0.818405	Y
8	IC 200-212230/14	39.99224	27.882035	10.0	650275.0	0.697186	Y



Calibration

/ 2-Methylbutane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

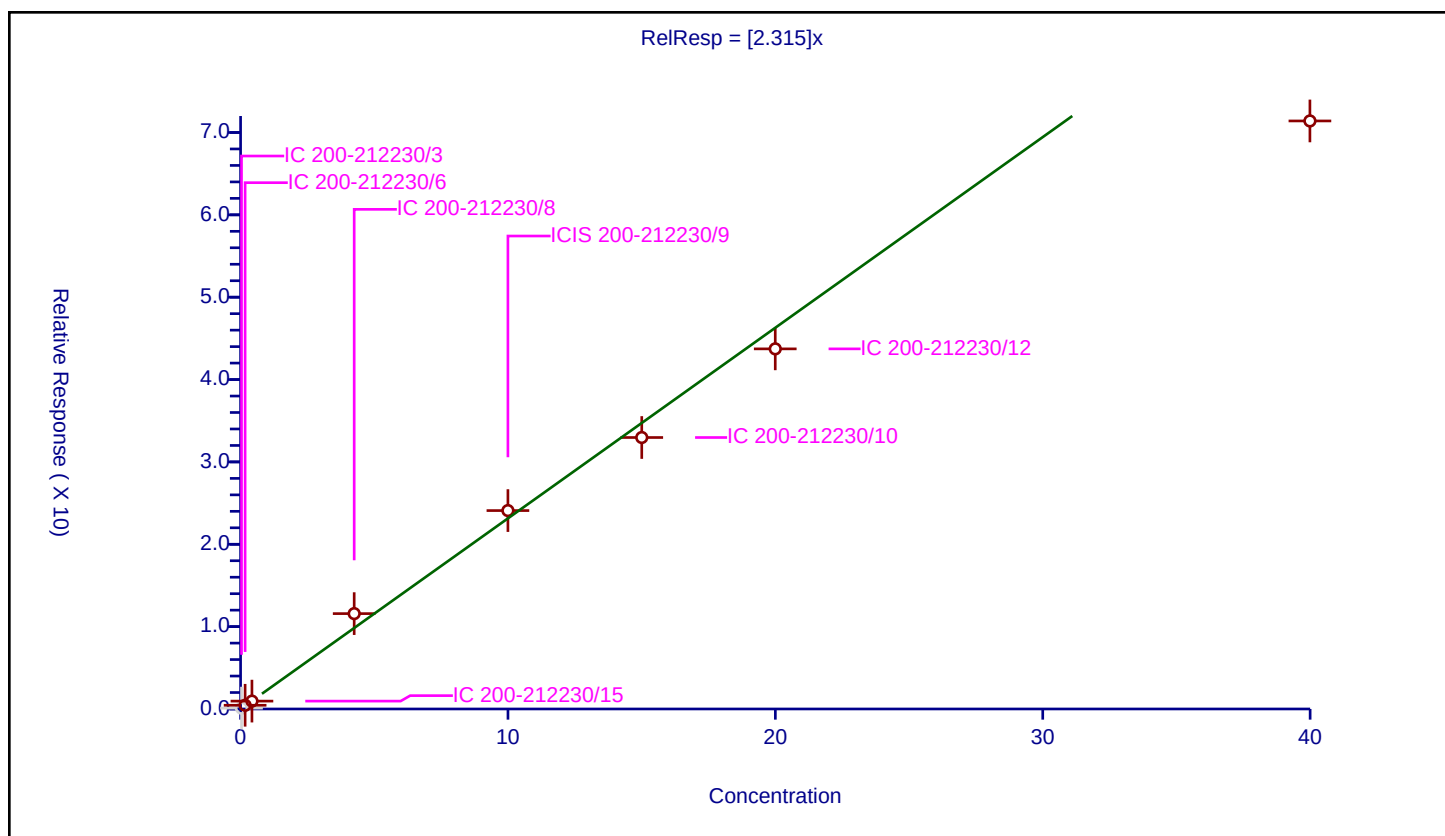
Curve Coefficients

Intercept: 0
Slope: 2.315

Error Coefficients

Relative Standard Deviation: 13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.103841	10.0	408700.0	2.960391	N
2	IC 200-212230/6	0.170154	0.451043	10.0	347417.0	2.650795	Y
3	IC 200-212230/15	0.425385	0.956308	10.0	588597.0	2.248101	Y
4	IC 200-212230/8	4.249175	11.579374	10.0	313409.0	2.725087	Y
5	ICIS 200-212230/9	9.99806	24.090416	10.0	370378.0	2.409509	Y
6	IC 200-212230/10	15.003557	32.963292	10.0	478893.0	2.197032	Y
7	IC 200-212230/12	19.99612	43.727587	10.0	494242.0	2.186804	Y
8	IC 200-212230/14	39.99224	71.401376	10.0	650275.0	1.785381	Y



Calibration

/ Vinyl bromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

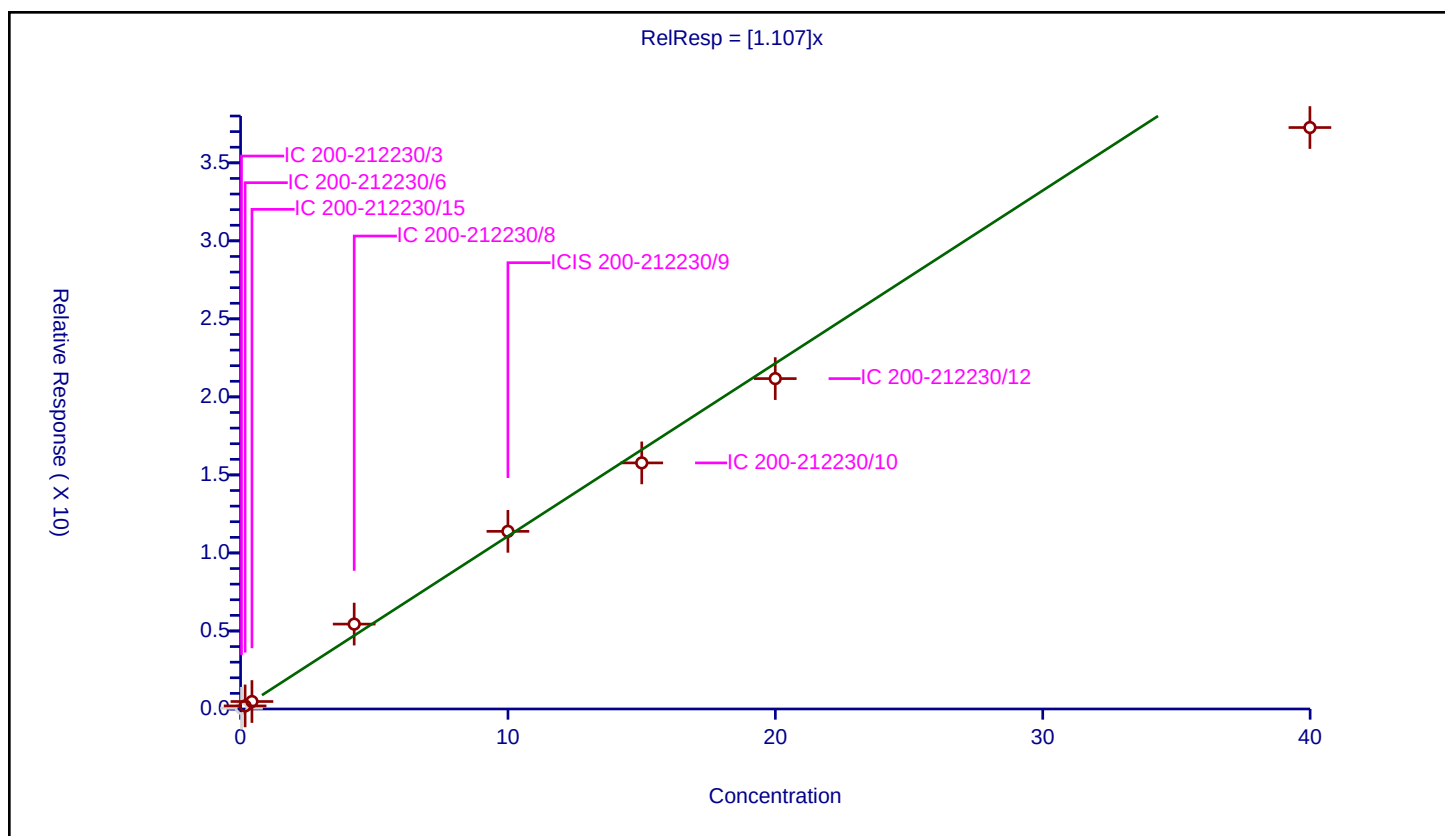
Curve Coefficients

Intercept: 0
Slope: 1.107

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.046807	10.0	408700.0	1.334408	N
2	IC 200-212230/6	0.170154	0.198062	10.0	347417.0	1.164015	Y
3	IC 200-212230/15	0.425385	0.479768	10.0	588597.0	1.127845	Y
4	IC 200-212230/8	4.249175	5.440176	10.0	313409.0	1.28029	Y
5	ICIS 200-212230/9	9.99806	11.384666	10.0	370378.0	1.138688	Y
6	IC 200-212230/10	15.003557	15.770725	10.0	478893.0	1.051132	Y
7	IC 200-212230/12	19.99612	21.171855	10.0	494242.0	1.058798	Y
8	IC 200-212230/14	39.99224	37.261512	10.0	650275.0	0.931719	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

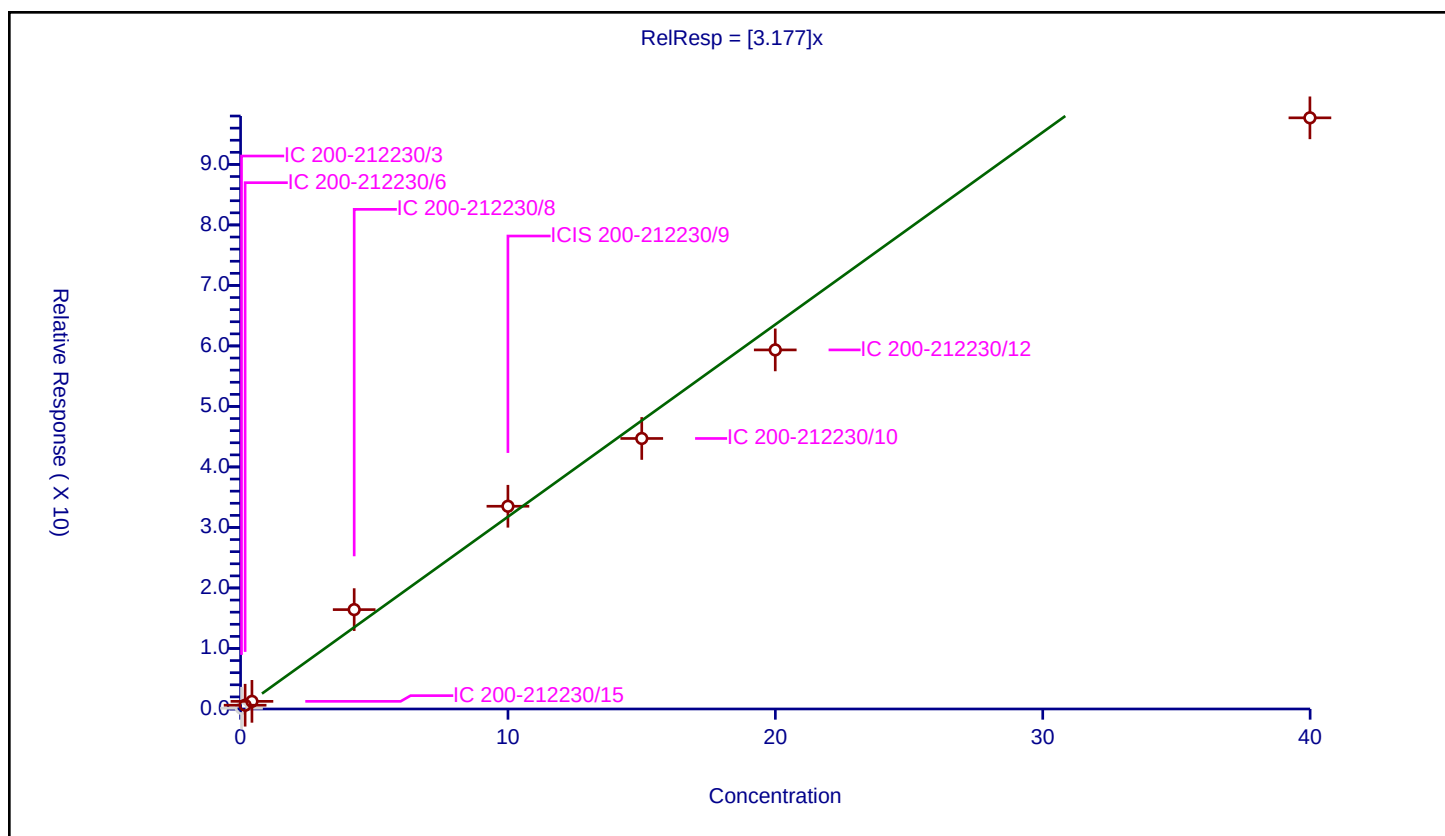
Curve Coefficients

Intercept: 0
Slope: 3.177

Error Coefficients

Relative Standard Deviation: 15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.125226	10.0	408700.0	3.570047	N
2	IC 200-212230/6	0.170154	0.624235	10.0	347417.0	3.668652	Y
3	IC 200-212230/15	0.425385	1.261525	10.0	588597.0	2.96561	Y
4	IC 200-212230/8	4.249175	16.423268	10.0	313409.0	3.865048	Y
5	ICIS 200-212230/9	9.99806	33.506121	10.0	370378.0	3.351262	Y
6	IC 200-212230/10	15.003557	44.707607	10.0	478893.0	2.979801	Y
7	IC 200-212230/12	19.99612	59.343985	10.0	494242.0	2.967775	Y
8	IC 200-212230/14	39.99224	97.700004	10.0	650275.0	2.442974	Y



Calibration

/ Pentane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

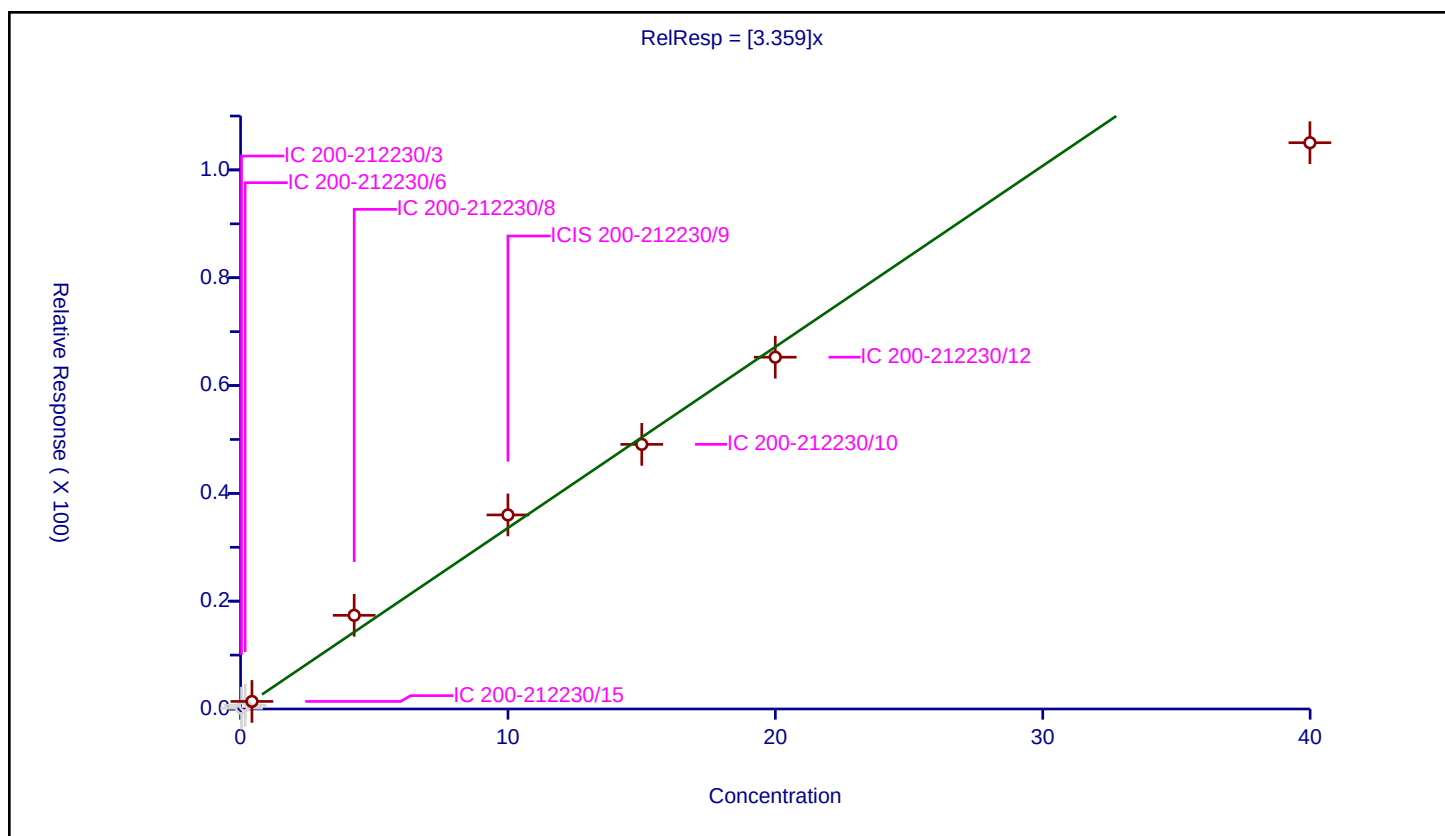
Curve Coefficients

Intercept: 0
Slope: 3.359

Error Coefficients

Relative Standard Deviation: 14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.149009	10.0	408700.0	4.248063	N
2	IC 200-212230/6	0.170154	0.681458	10.0	347417.0	4.00495	N
3	IC 200-212230/15	0.425385	1.403898	10.0	588597.0	3.300301	Y
4	IC 200-212230/8	4.249175	17.37407	10.0	313409.0	4.08881	Y
5	ICIS 200-212230/9	9.99806	35.998358	10.0	370378.0	3.600534	Y
6	IC 200-212230/10	15.003557	49.089379	10.0	478893.0	3.271849	Y
7	IC 200-212230/12	19.99612	65.262624	10.0	494242.0	3.263764	Y
8	IC 200-212230/14	39.99224	105.047941	10.0	650275.0	2.626708	Y



Calibration

/ Ethanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

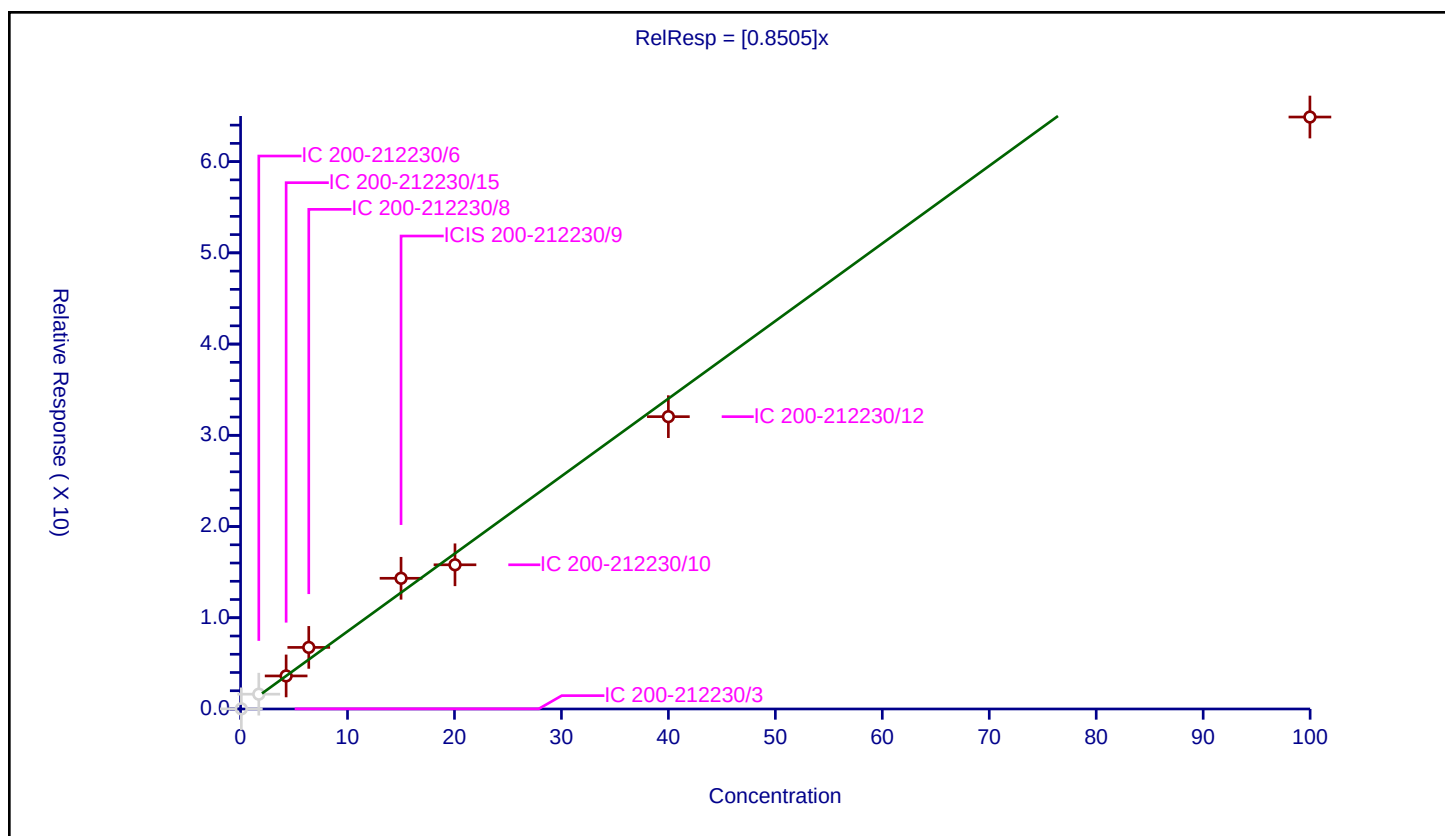
Curve Coefficients

Intercept: 0
Slope: 0.8505

Error Coefficients

Relative Standard Deviation: 16.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.070165	0.017054	10.0	408700.0	0.243056	N
2	IC 200-212230/6	1.703617	1.623352	10.0	347417.0	0.952885	N
3	IC 200-212230/15	4.259043	3.624449	10.0	588597.0	0.851001	Y
4	IC 200-212230/8	6.376512	6.74987	10.0	313409.0	1.058552	Y
5	ICIS 200-212230/9	15.003557	14.327444	10.0	370378.0	0.954936	Y
6	IC 200-212230/10	20.047856	15.807665	10.0	478893.0	0.788497	Y
7	IC 200-212230/12	39.998707	32.043452	10.0	494242.0	0.801112	Y
8	IC 200-212230/14	99.980599	64.887778	10.0	650275.0	0.649004	Y



Calibration

/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

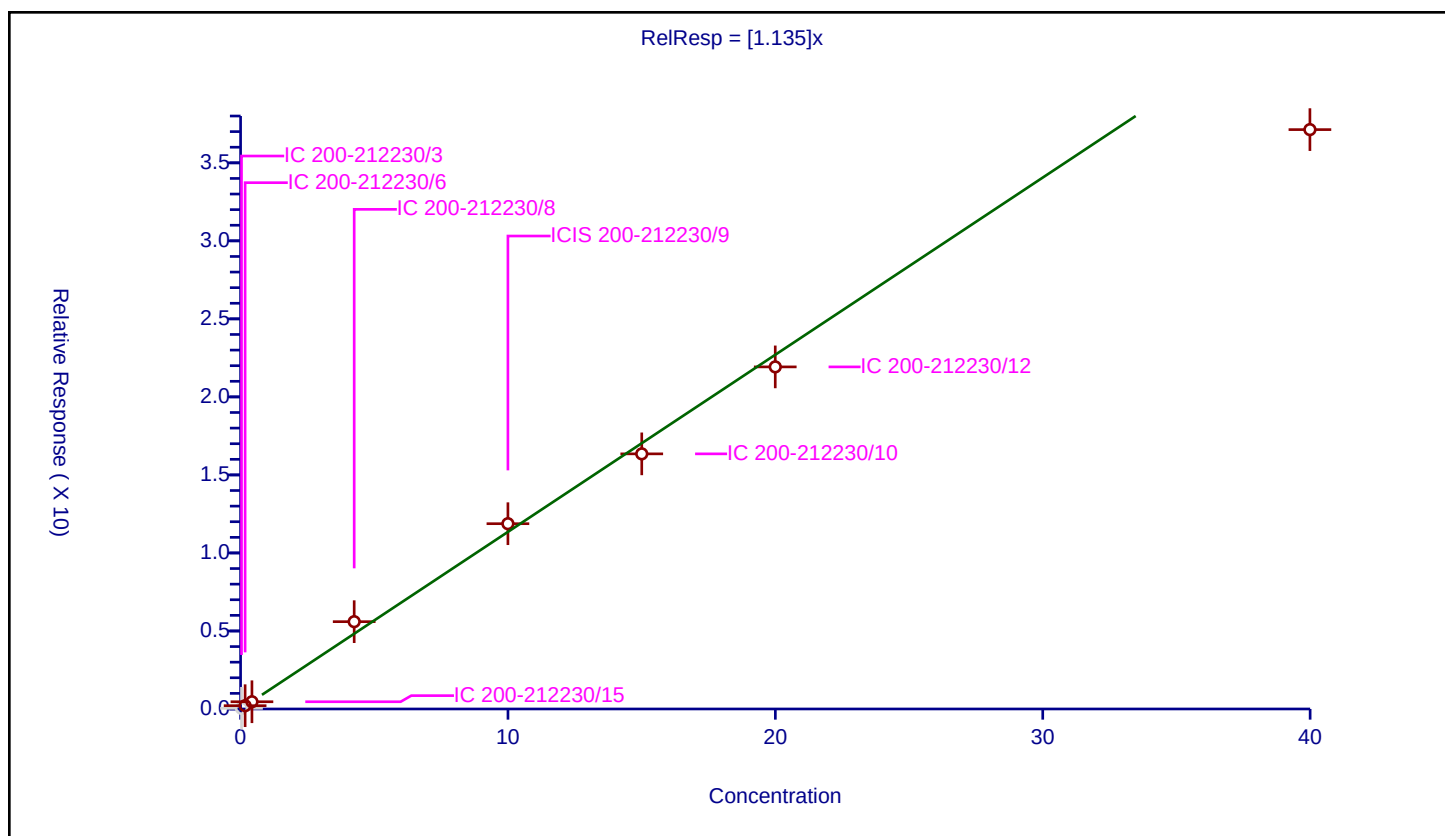
Curve Coefficients

Intercept: 0
Slope: 1.135

Error Coefficients

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.043724	10.0	408700.0	1.246517	N
2	IC 200-212230/6	0.170154	0.210554	10.0	347417.0	1.237432	Y
3	IC 200-212230/15	0.425385	0.463339	10.0	588597.0	1.089224	Y
4	IC 200-212230/8	4.249175	5.596553	10.0	313409.0	1.317091	Y
5	ICIS 200-212230/9	9.99806	11.874895	10.0	370378.0	1.18772	Y
6	IC 200-212230/10	15.003557	16.350646	10.0	478893.0	1.089785	Y
7	IC 200-212230/12	19.99612	21.923167	10.0	494242.0	1.096371	Y
8	IC 200-212230/14	39.99224	37.129061	10.0	650275.0	0.928407	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

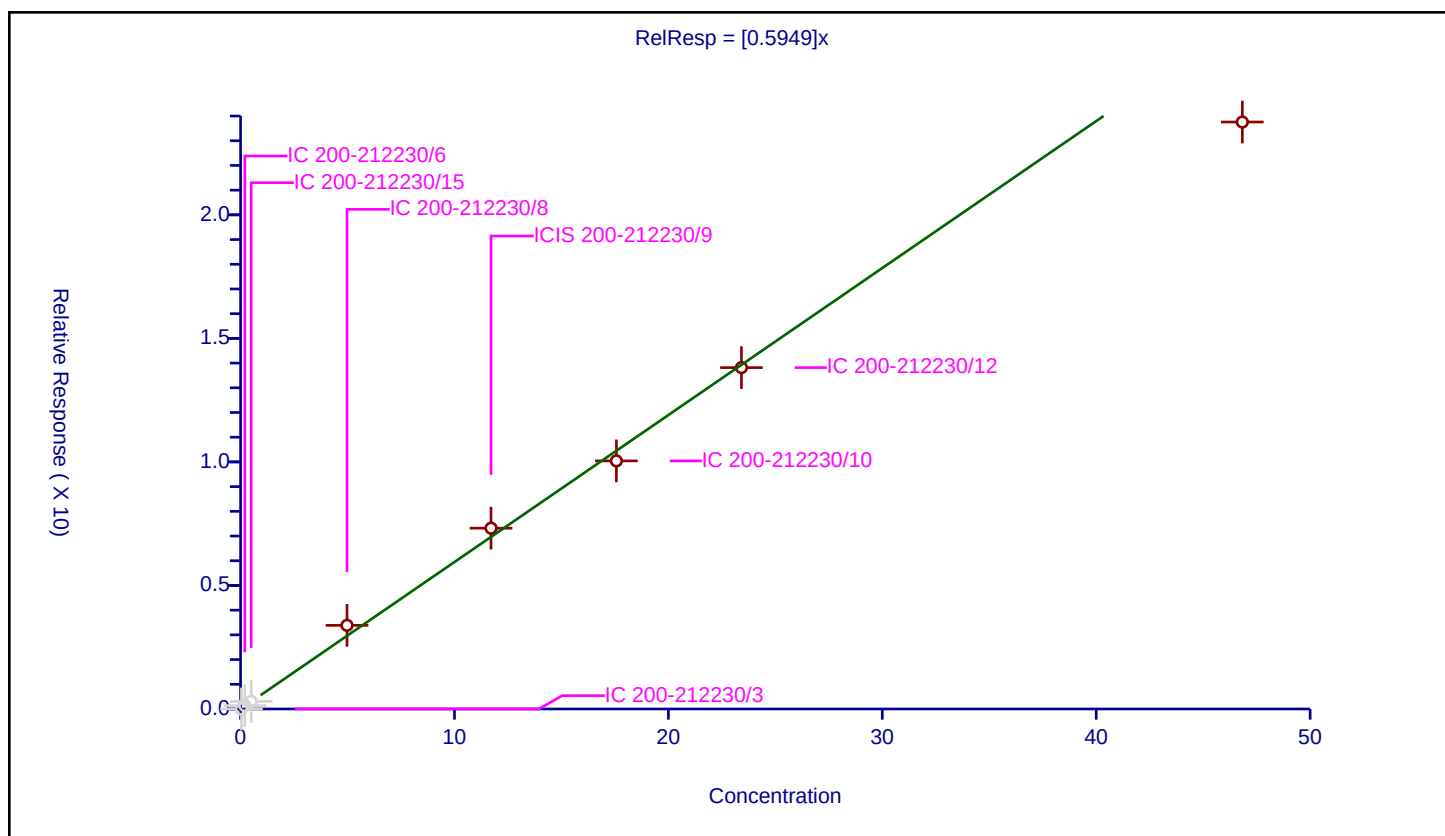
Curve Coefficients

Intercept: 0
Slope: 0.5949

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.041075	0.0	10.0	408700.0	0.0	N
2	IC 200-212230/6	0.19925	0.137529	10.0	347417.0	0.690234	N
3	IC 200-212230/15	0.498125	0.307392	10.0	588597.0	0.617097	N
4	IC 200-212230/8	4.975784	3.385321	10.0	313409.0	0.680359	Y
5	ICIS 200-212230/9	11.707728	7.31828	10.0	370378.0	0.625081	Y
6	IC 200-212230/10	17.569165	10.041721	10.0	478893.0	0.571554	Y
7	IC 200-212230/12	23.415456	13.817239	10.0	494242.0	0.590091	Y
8	IC 200-212230/14	46.830913	23.756764	10.0	650275.0	0.507288	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

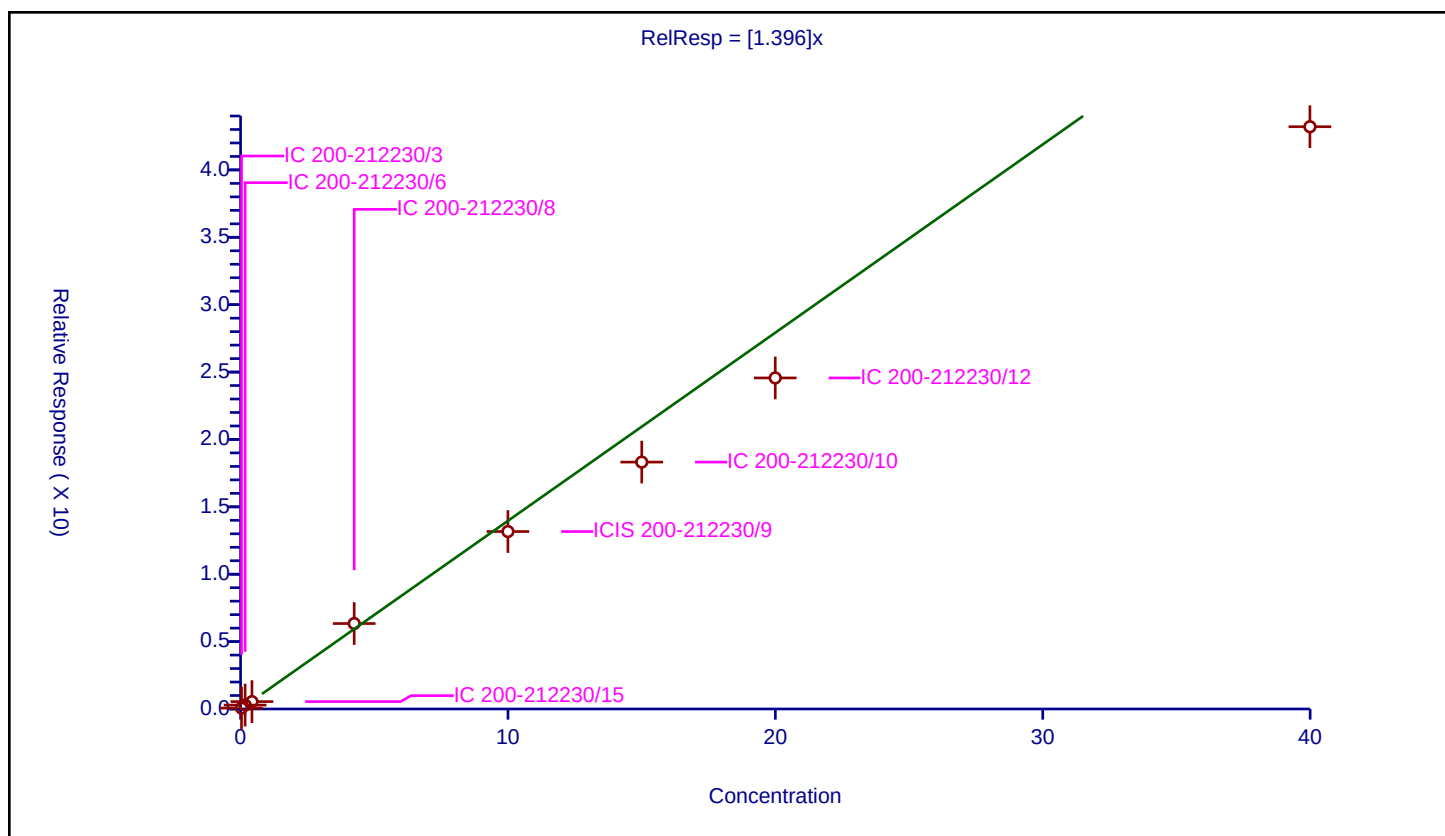
Curve Coefficients

Intercept: 0
Slope: 1.396

Error Coefficients

Relative Standard Deviation: 18.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.064717	10.0	408700.0	1.845013	Y
2	IC 200-212230/6	0.170154	0.289652	10.0	347417.0	1.702294	Y
3	IC 200-212230/15	0.425385	0.546163	10.0	588597.0	1.283928	Y
4	IC 200-212230/8	4.249175	6.340533	10.0	313409.0	1.49218	Y
5	ICIS 200-212230/9	9.99806	13.168277	10.0	370378.0	1.317083	Y
6	IC 200-212230/10	15.003557	18.319687	10.0	478893.0	1.221023	Y
7	IC 200-212230/12	19.99612	24.565719	10.0	494242.0	1.228524	Y
8	IC 200-212230/14	39.99224	43.204398	10.0	650275.0	1.08032	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

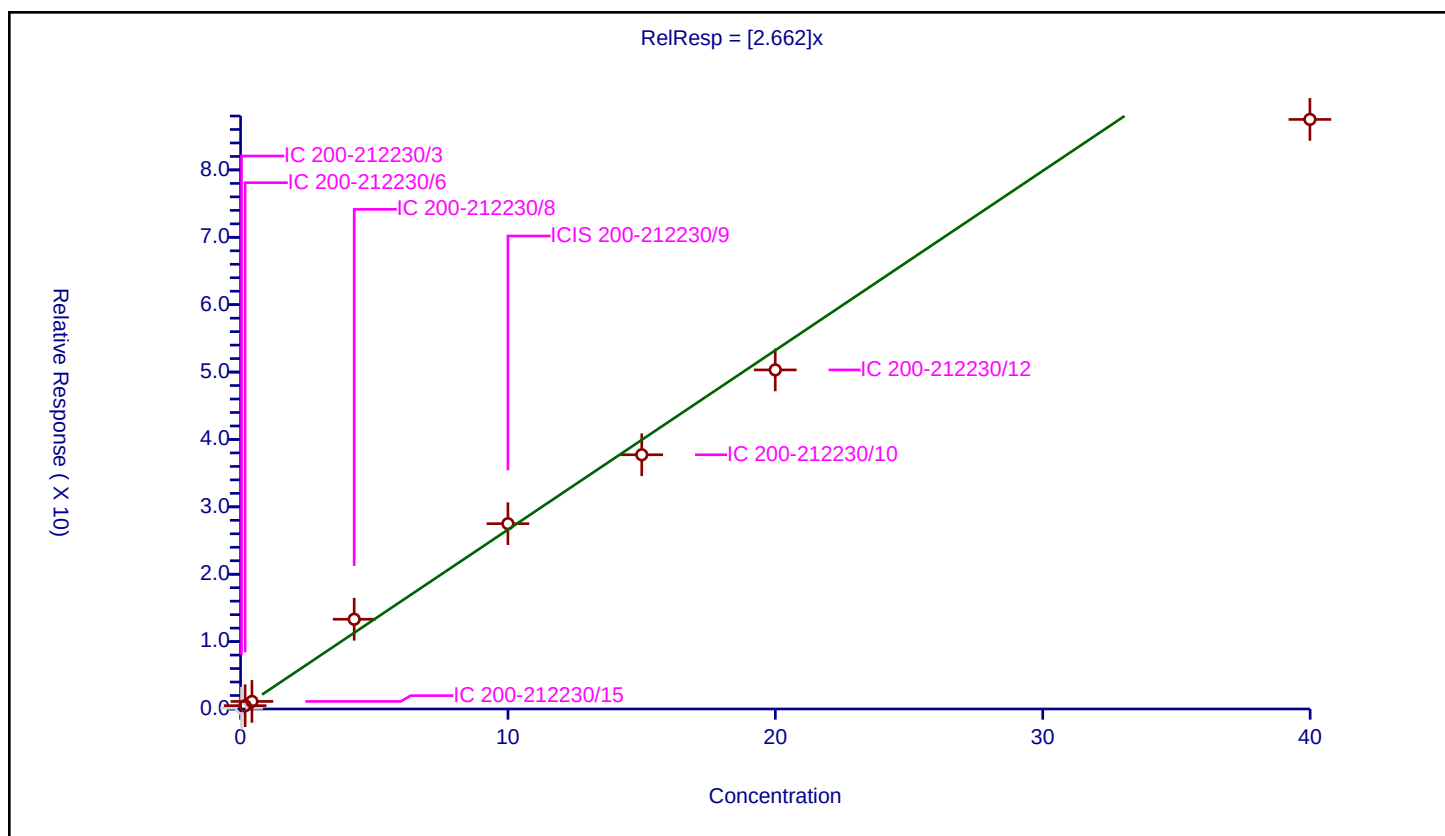
Curve Coefficients

Intercept: 0
Slope: 2.662

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.109812	10.0	408700.0	3.130592	N
2	IC 200-212230/6	0.170154	0.492578	10.0	347417.0	2.894898	Y
3	IC 200-212230/15	0.425385	1.120461	10.0	588597.0	2.633995	Y
4	IC 200-212230/8	4.249175	13.317965	10.0	313409.0	3.134247	Y
5	ICIS 200-212230/9	9.99806	27.503982	10.0	370378.0	2.750932	Y
6	IC 200-212230/10	15.003557	37.730328	10.0	478893.0	2.514759	Y
7	IC 200-212230/12	19.99612	50.321725	10.0	494242.0	2.516574	Y
8	IC 200-212230/14	39.99224	87.494844	10.0	650275.0	2.187796	Y



Calibration

/ Acetone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

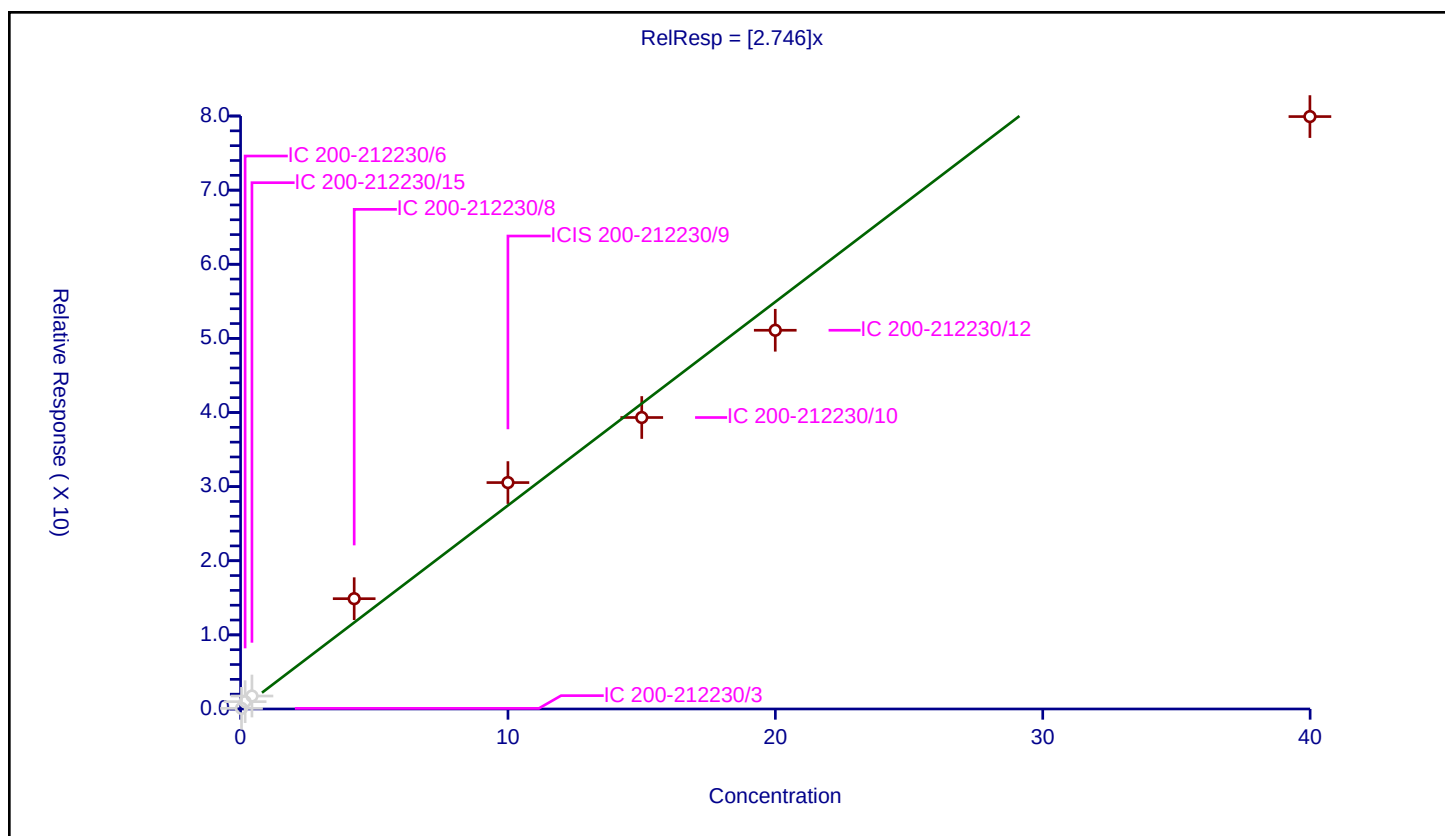
Curve Coefficients

Intercept: 0
Slope: 2.746

Error Coefficients

Relative Standard Deviation: 20.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.086151	10.0	408700.0	2.456064	N
2	IC 200-212230/6	0.170154	0.988956	10.0	347417.0	5.812125	N
3	IC 200-212230/15	0.425385	1.749873	10.0	588597.0	4.113625	N
4	IC 200-212230/8	4.249175	14.880811	10.0	313409.0	3.502047	Y
5	ICIS 200-212230/9	9.99806	30.545254	10.0	370378.0	3.055118	Y
6	IC 200-212230/10	15.003557	39.324003	10.0	478893.0	2.620979	Y
7	IC 200-212230/12	19.99612	51.094929	10.0	494242.0	2.555242	Y
8	IC 200-212230/14	39.99224	79.924171	10.0	650275.0	1.998492	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

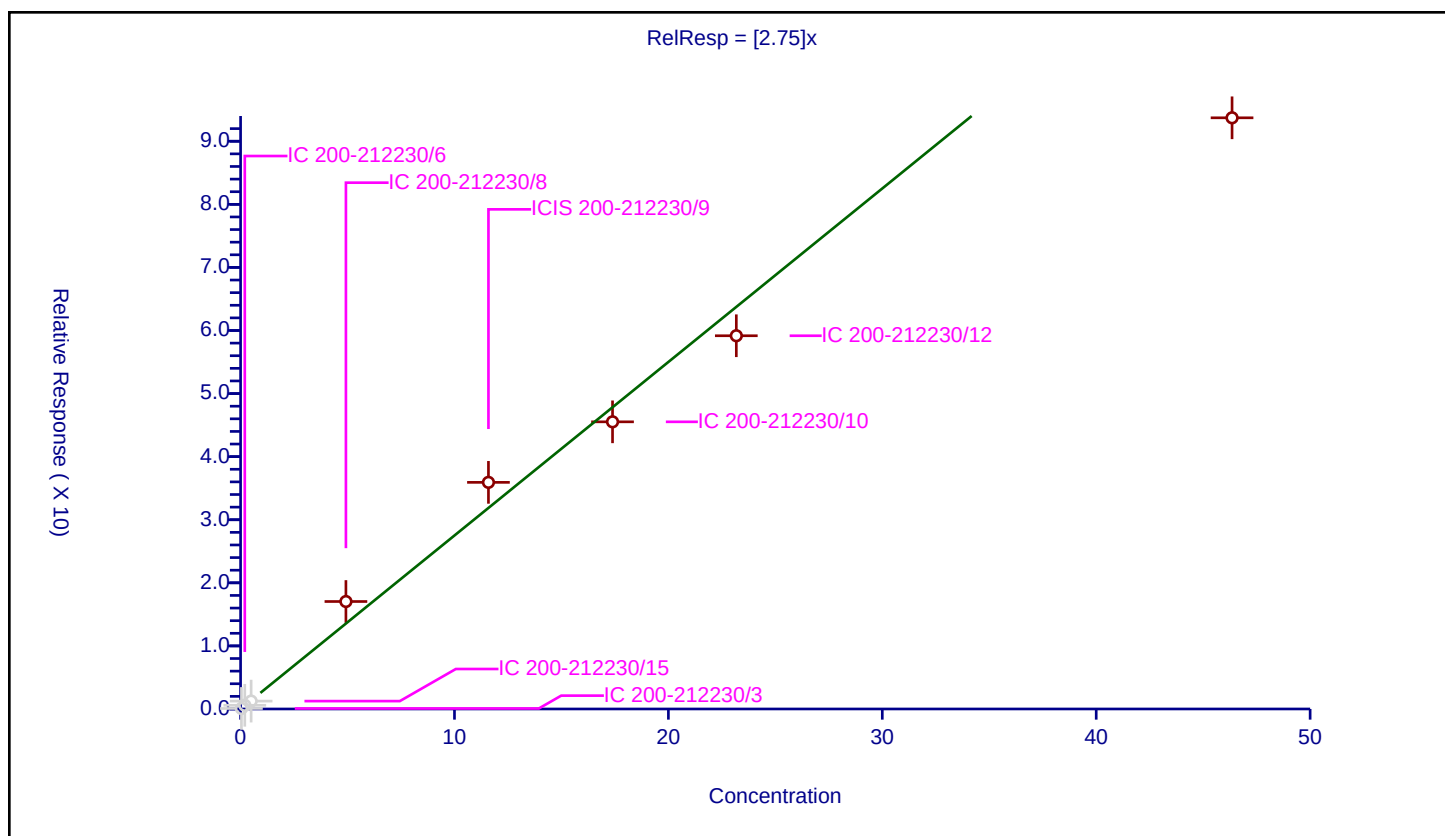
Curve Coefficients

Intercept: 0
Slope: 2.75

Error Coefficients

Relative Standard Deviation: 20.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.040654	0.081698	10.0	408700.0	2.009586	N
2	IC 200-212230/6	0.197208	0.585521	10.0	347417.0	2.969049	N
3	IC 200-212230/15	0.493021	1.250227	10.0	588597.0	2.535851	N
4	IC 200-212230/8	4.924794	17.036301	10.0	313409.0	3.459292	Y
5	ICIS 200-212230/9	11.587751	35.92384	10.0	370378.0	3.100156	Y
6	IC 200-212230/10	17.389122	45.519479	10.0	478893.0	2.617698	Y
7	IC 200-212230/12	23.175503	59.167473	10.0	494242.0	2.553018	Y
8	IC 200-212230/14	46.351006	93.715213	10.0	650275.0	2.021859	Y



Calibration

/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

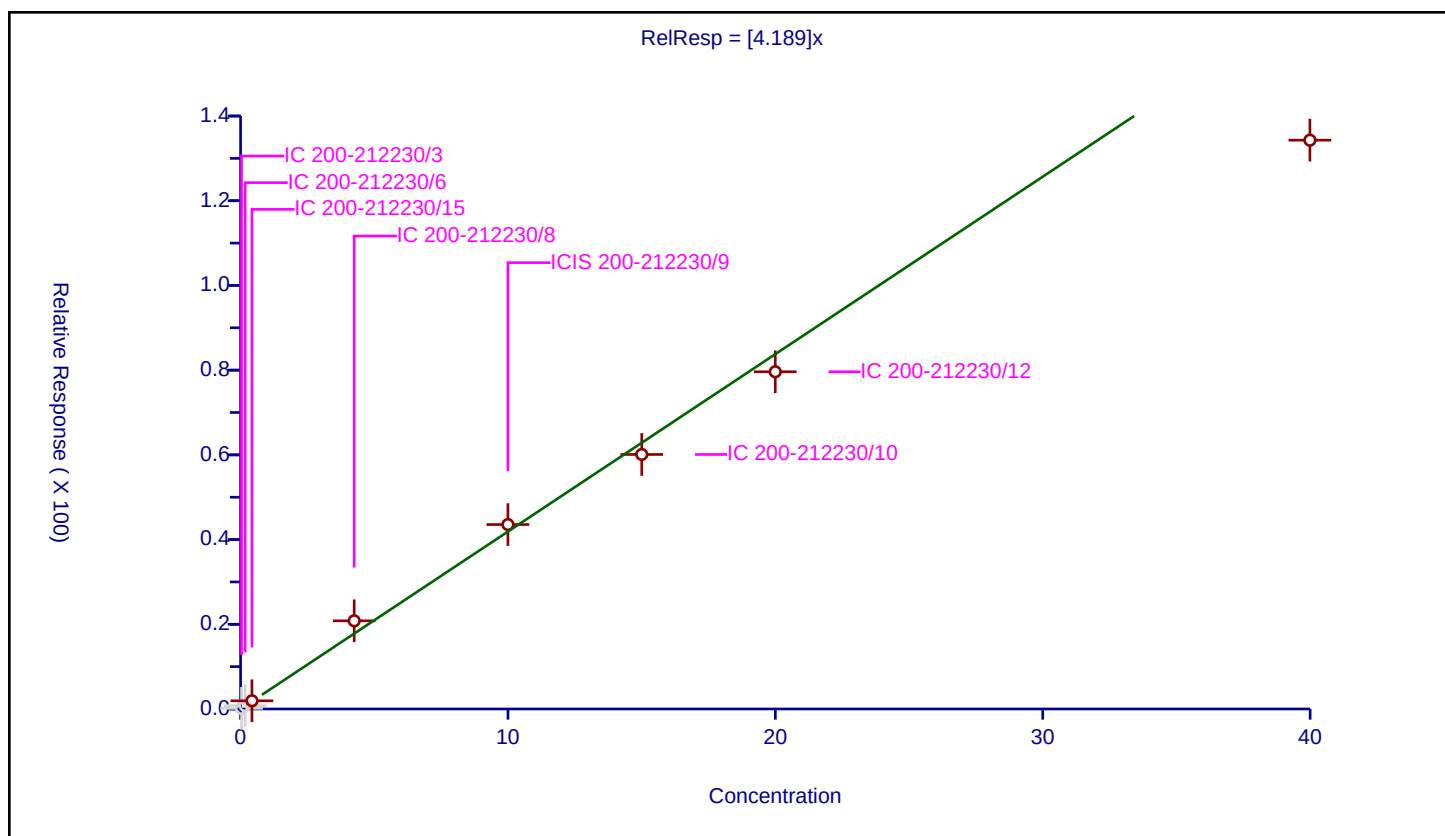
Curve Coefficients

Intercept: 0
Slope: 4.189

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.157034	10.0	408700.0	4.476858	N
2	IC 200-212230/6	0.170154	0.794636	10.0	347417.0	4.670101	N
3	IC 200-212230/15	0.425385	1.929707	10.0	588597.0	4.536382	Y
4	IC 200-212230/8	4.249175	20.814941	10.0	313409.0	4.898584	Y
5	ICIS 200-212230/9	9.99806	43.54797	10.0	370378.0	4.355642	Y
6	IC 200-212230/10	15.003557	60.093236	10.0	478893.0	4.005266	Y
7	IC 200-212230/12	19.99612	79.613044	10.0	494242.0	3.981425	Y
8	IC 200-212230/14	39.99224	134.295967	10.0	650275.0	3.358051	Y



Calibration

/ Acetonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

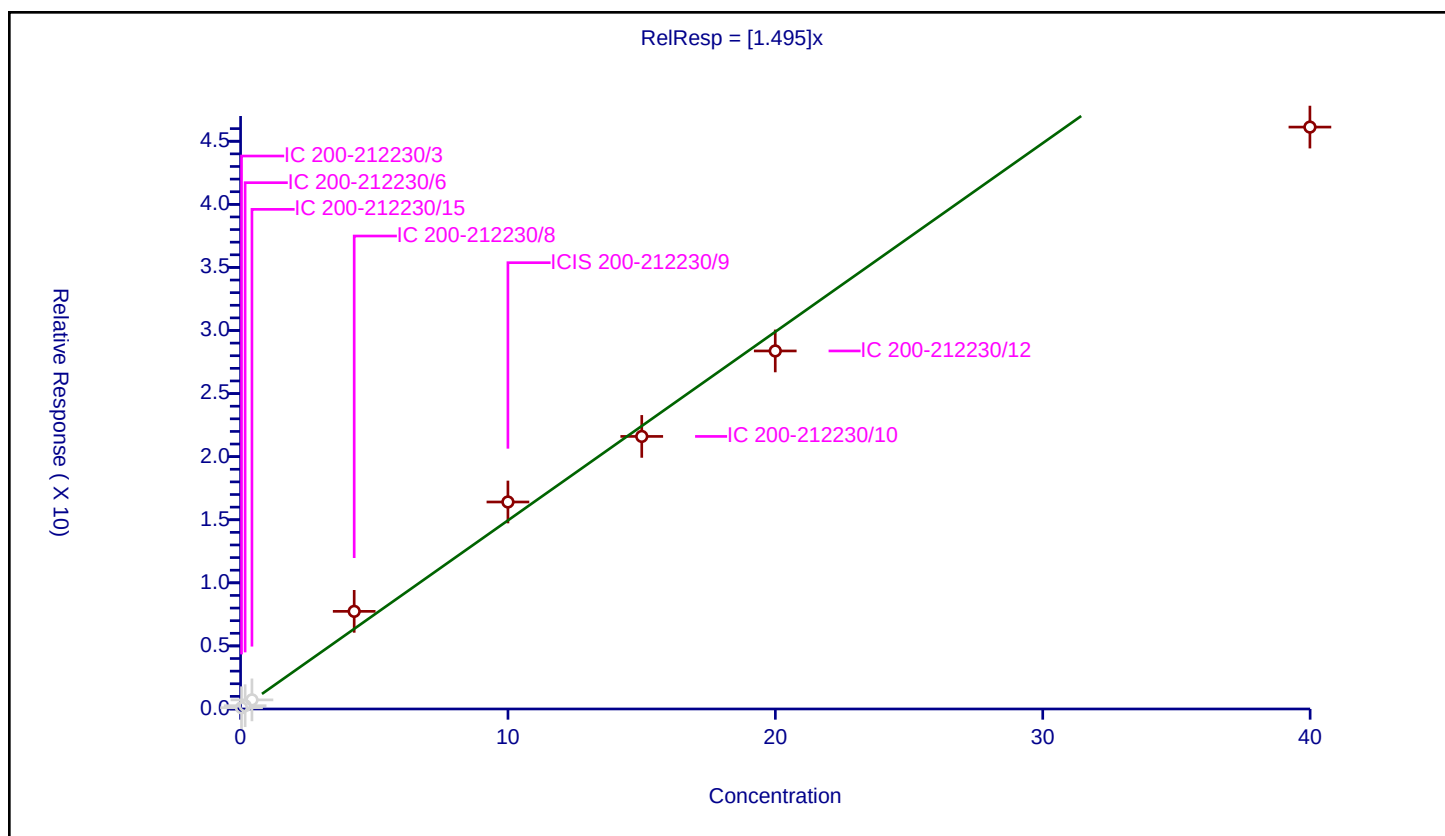
Curve Coefficients

Intercept: 0
 Slope: 1.495

Error Coefficients

Relative Standard Deviation: 16.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.100881	10.0	408700.0	2.875987	N
2	IC 200-212230/6	0.170154	0.260638	10.0	347417.0	1.531777	N
3	IC 200-212230/15	0.425385	0.72277	10.0	588597.0	1.699096	N
4	IC 200-212230/8	4.249175	7.739184	10.0	313409.0	1.821338	Y
5	ICIS 200-212230/9	9.99806	16.407481	10.0	370378.0	1.641066	Y
6	IC 200-212230/10	15.003557	21.604471	10.0	478893.0	1.439957	Y
7	IC 200-212230/12	19.99612	28.378001	10.0	494242.0	1.419175	Y
8	IC 200-212230/14	39.99224	46.121779	10.0	650275.0	1.153268	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

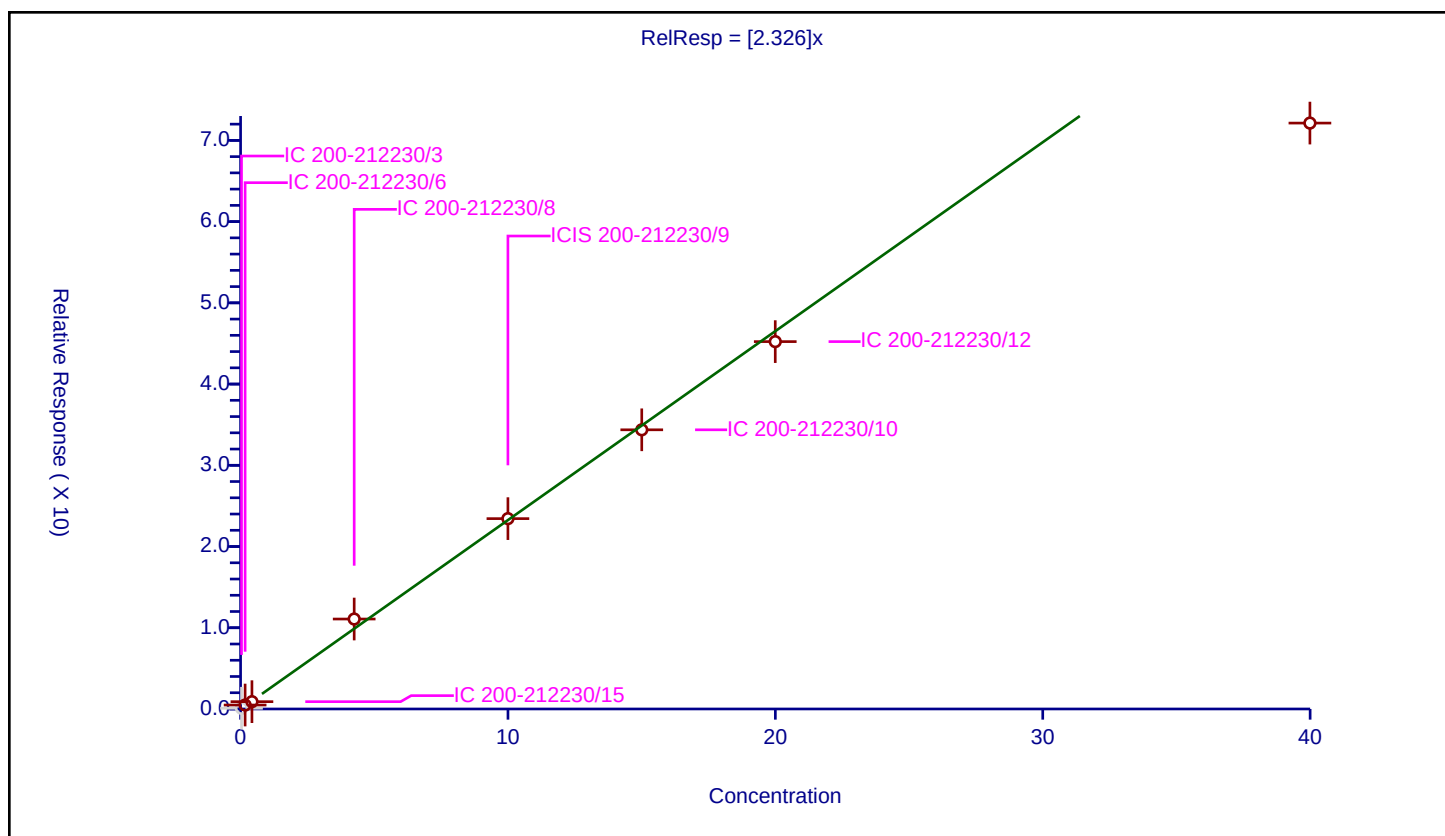
Curve Coefficients

Intercept: 0
Slope: 2.326

Error Coefficients

Relative Standard Deviation: 14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.090091	10.0	408700.0	2.568369	N
2	IC 200-212230/6	0.170154	0.486418	10.0	347417.0	2.858697	Y
3	IC 200-212230/15	0.425385	0.899801	10.0	588597.0	2.115263	Y
4	IC 200-212230/8	4.249175	11.074187	10.0	313409.0	2.606197	Y
5	ICIS 200-212230/9	9.99806	23.433573	10.0	370378.0	2.343812	Y
6	IC 200-212230/10	15.003557	34.36987	10.0	478893.0	2.290781	Y
7	IC 200-212230/12	19.99612	45.225598	10.0	494242.0	2.261719	Y
8	IC 200-212230/14	39.99224	72.131114	10.0	650275.0	1.803628	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

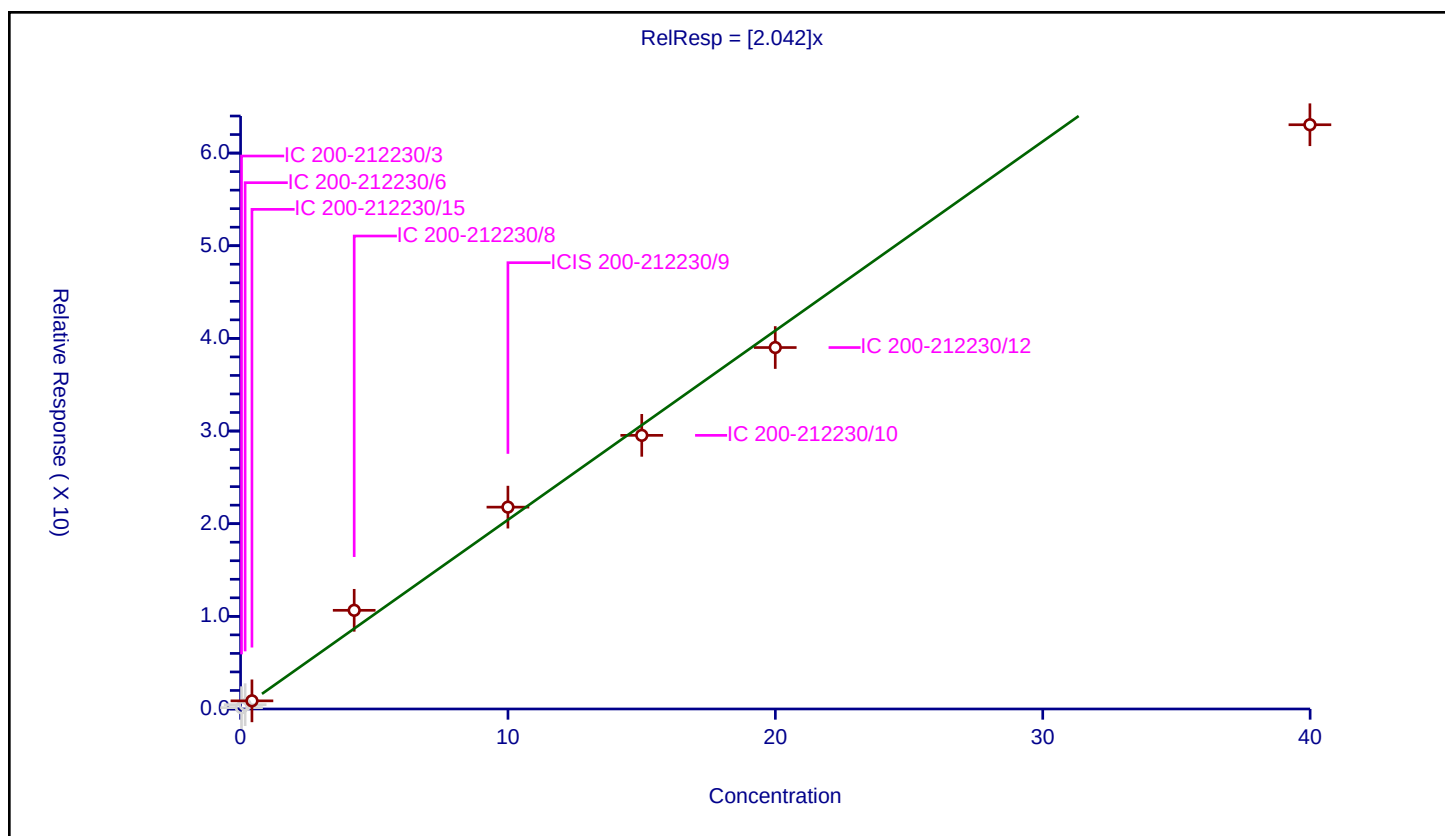
Curve Coefficients

Intercept: 0
Slope: 2.042

Error Coefficients

Relative Standard Deviation: 14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.143406	10.0	408700.0	4.088325	N
2	IC 200-212230/6	0.170154	0.466126	10.0	347417.0	2.739436	N
3	IC 200-212230/15	0.425385	0.880365	10.0	588597.0	2.069573	Y
4	IC 200-212230/8	4.249175	10.650237	10.0	313409.0	2.506424	Y
5	ICIS 200-212230/9	9.99806	21.786013	10.0	370378.0	2.179024	Y
6	IC 200-212230/10	15.003557	29.535366	10.0	478893.0	1.968558	Y
7	IC 200-212230/12	19.99612	39.011759	10.0	494242.0	1.950966	Y
8	IC 200-212230/14	39.99224	63.059875	10.0	650275.0	1.576803	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

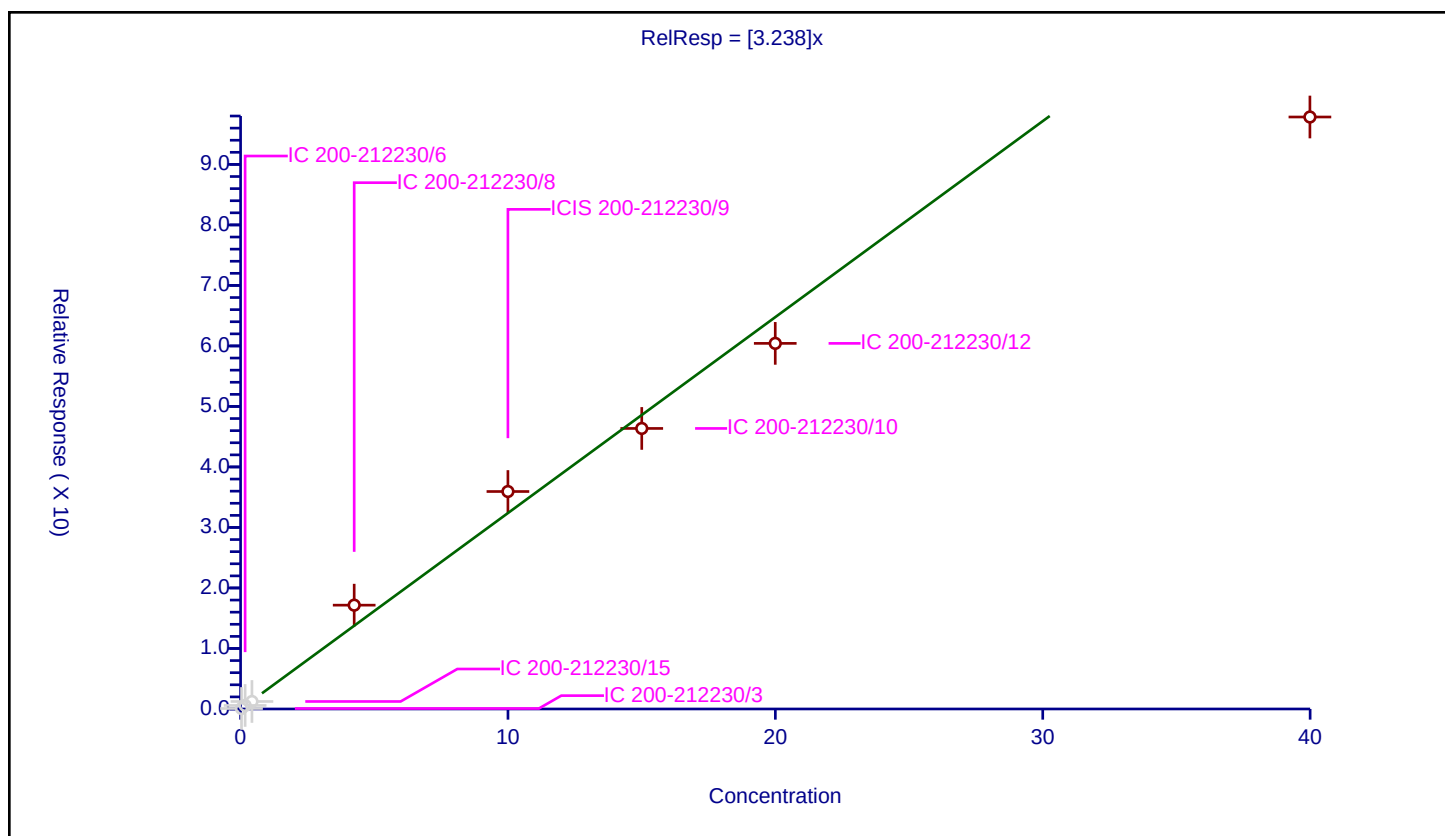
Curve Coefficients

Intercept: 0
Slope: 3.238

Error Coefficients

Relative Standard Deviation: 18.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.083607	10.0	408700.0	2.383519	N
2	IC 200-212230/6	0.170154	0.584658	10.0	347417.0	3.436052	N
3	IC 200-212230/15	0.425385	1.238759	10.0	588597.0	2.912092	N
4	IC 200-212230/8	4.249175	17.161186	10.0	313409.0	4.03871	Y
5	ICIS 200-212230/9	9.99806	35.943145	10.0	370378.0	3.595012	Y
6	IC 200-212230/10	15.003557	46.3666	10.0	478893.0	3.090374	Y
7	IC 200-212230/12	19.99612	60.423092	10.0	494242.0	3.021741	Y
8	IC 200-212230/14	39.99224	97.834762	10.0	650275.0	2.446344	Y



Calibration

/ Acrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

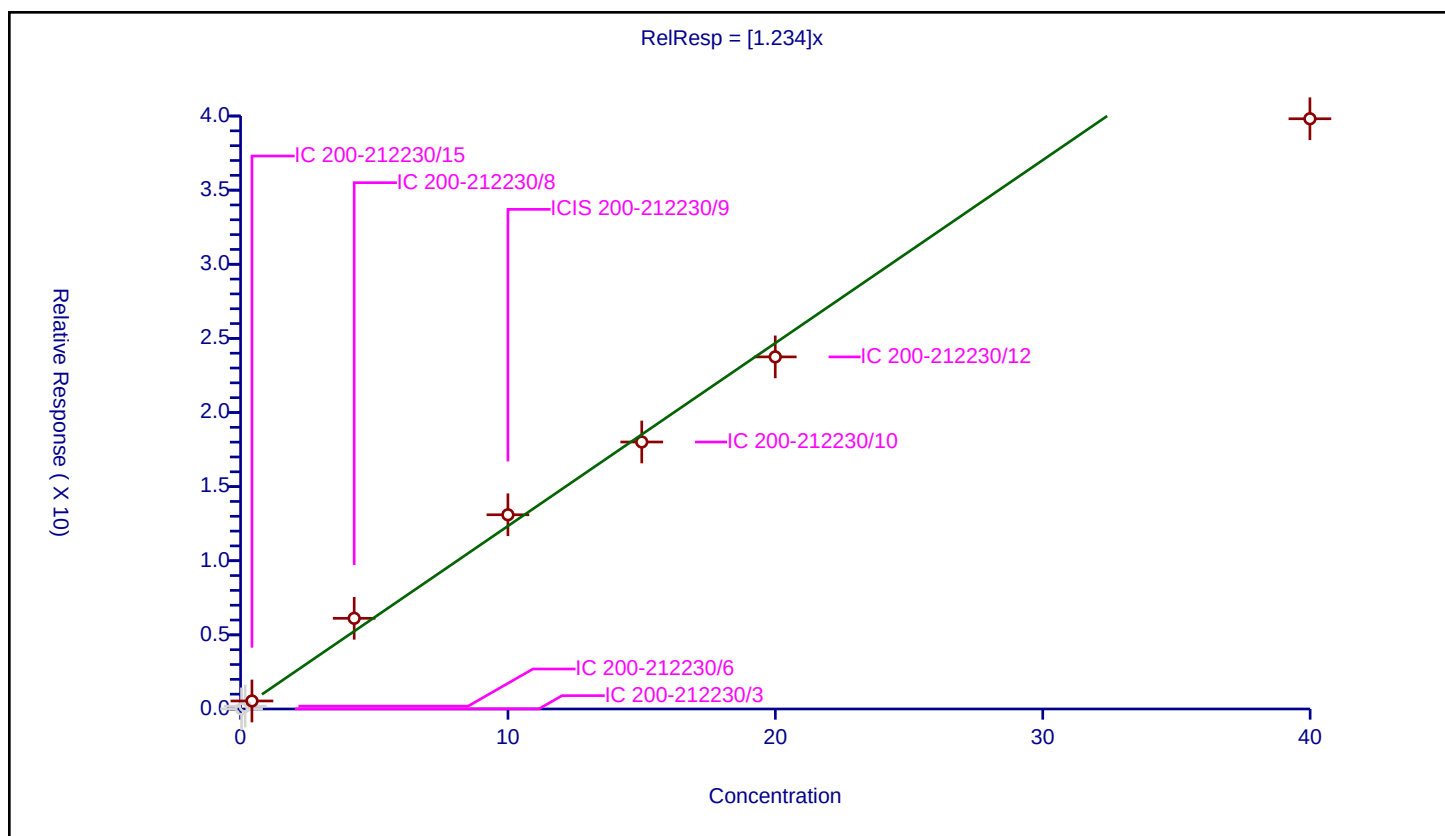
Curve Coefficients

Intercept: 0
Slope: 1.234

Error Coefficients

Relative Standard Deviation: 12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.005603	10.0	408700.0	0.159738	N
2	IC 200-212230/6	0.170154	0.194205	10.0	347417.0	1.141347	N
3	IC 200-212230/15	0.425385	0.540794	10.0	588597.0	1.271307	Y
4	IC 200-212230/8	4.249175	6.117438	10.0	313409.0	1.439676	Y
5	ICIS 200-212230/9	9.99806	13.101129	10.0	370378.0	1.310367	Y
6	IC 200-212230/10	15.003557	18.011163	10.0	478893.0	1.20046	Y
7	IC 200-212230/12	19.99612	23.751543	10.0	494242.0	1.187808	Y
8	IC 200-212230/14	39.99224	39.814863	10.0	650275.0	0.995565	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

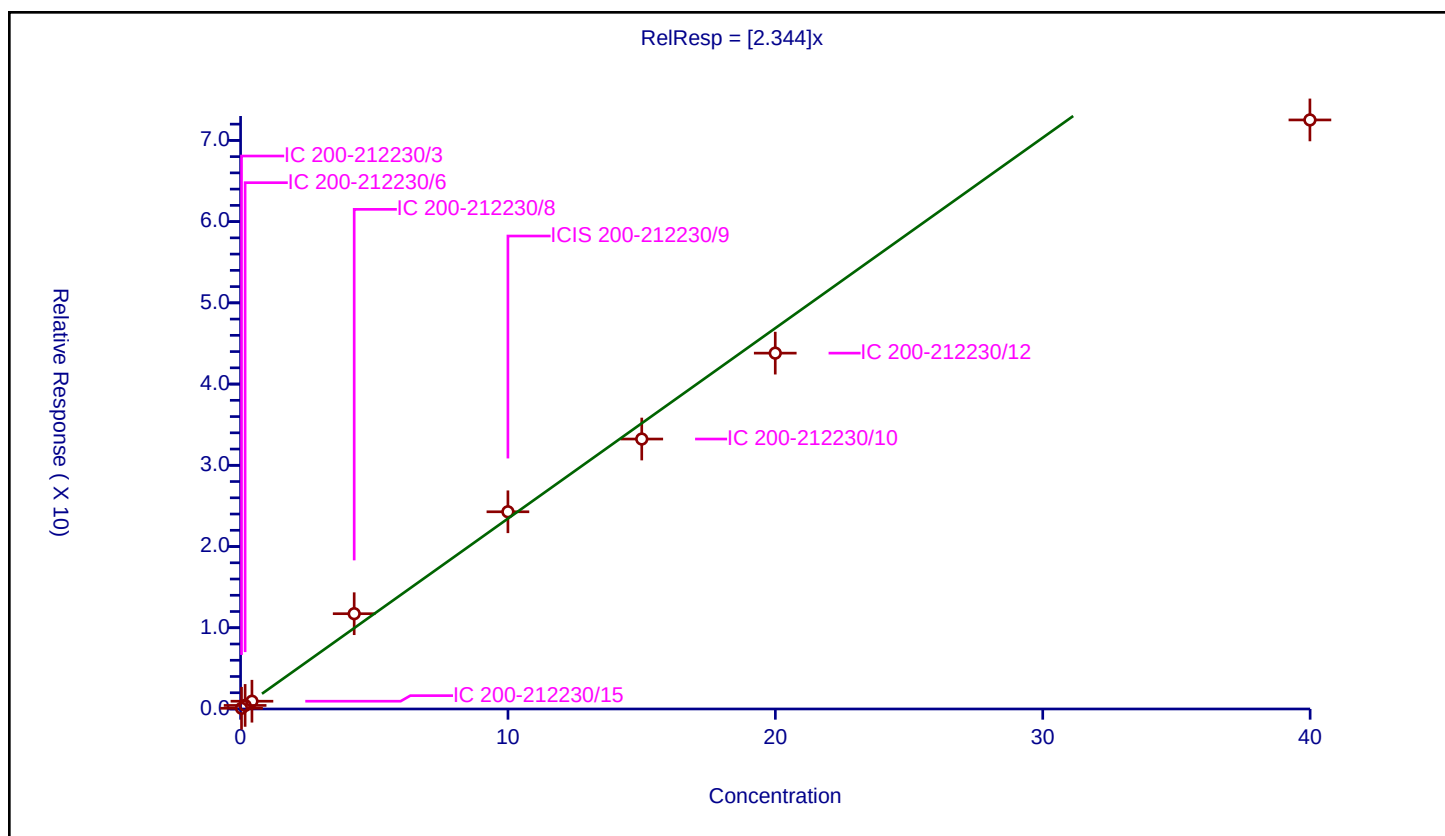
Curve Coefficients

Intercept: 0
Slope: 2.344

Error Coefficients

Relative Standard Deviation: 12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.088525	10.0	408700.0	2.523726	Y
2	IC 200-212230/6	0.170154	0.43763	10.0	347417.0	2.571964	Y
3	IC 200-212230/15	0.425385	0.957497	10.0	588597.0	2.250897	Y
4	IC 200-212230/8	4.249175	11.730582	10.0	313409.0	2.760673	Y
5	ICIS 200-212230/9	9.99806	24.27736	10.0	370378.0	2.428207	Y
6	IC 200-212230/10	15.003557	33.234	10.0	478893.0	2.215075	Y
7	IC 200-212230/12	19.99612	43.807689	10.0	494242.0	2.19081	Y
8	IC 200-212230/14	39.99224	72.516628	10.0	650275.0	1.813267	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

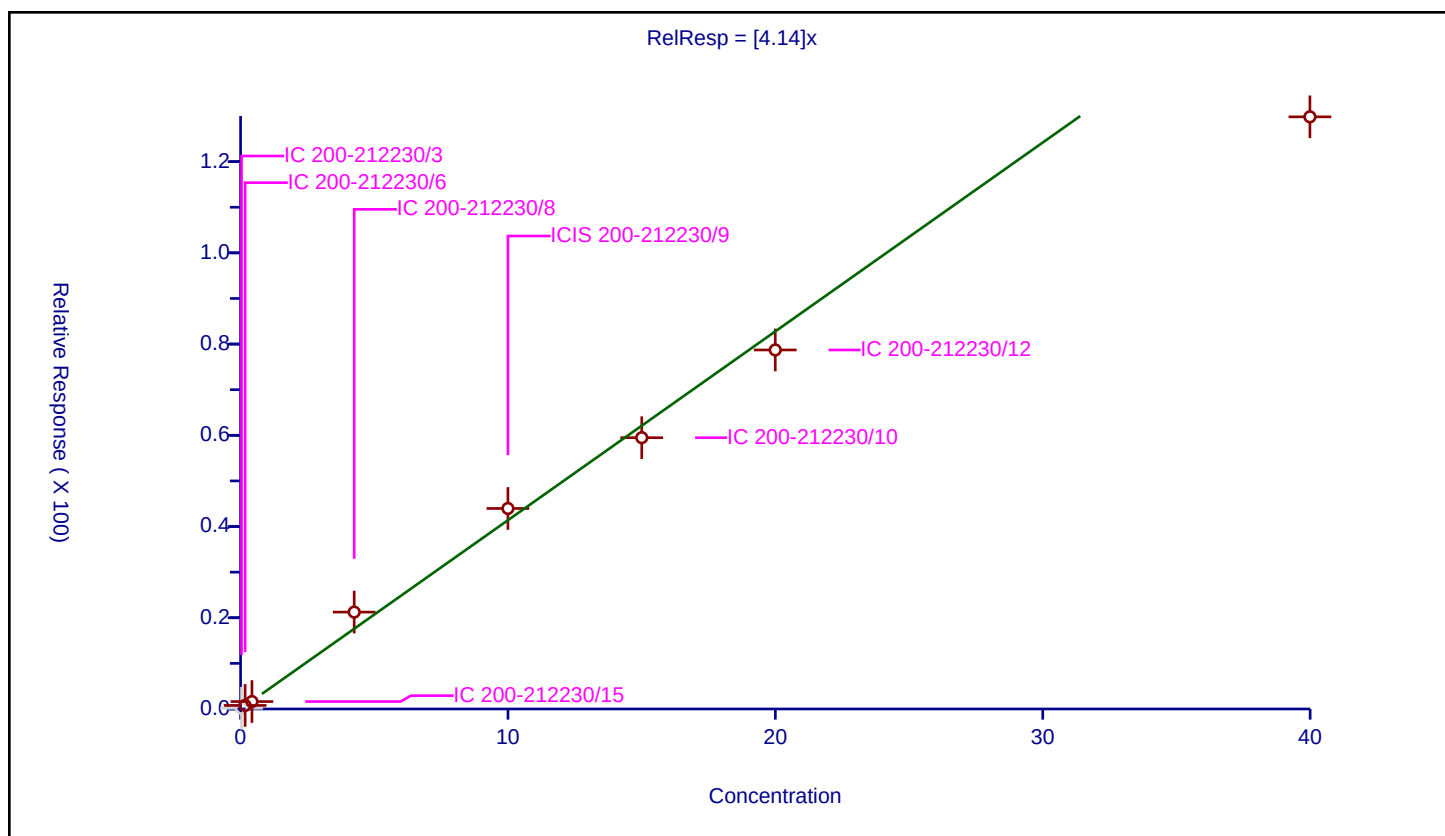
Curve Coefficients

Intercept: 0
Slope: 4.14

Error Coefficients

Relative Standard Deviation: 13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.163421	10.0	408700.0	4.658918	N
2	IC 200-212230/6	0.170154	0.782834	10.0	347417.0	4.600744	Y
3	IC 200-212230/15	0.425385	1.630912	10.0	588597.0	3.83397	Y
4	IC 200-212230/8	4.249175	21.239945	10.0	313409.0	4.998604	Y
5	ICIS 200-212230/9	9.99806	43.95936	10.0	370378.0	4.396789	Y
6	IC 200-212230/10	15.003557	59.476021	10.0	478893.0	3.964128	Y
7	IC 200-212230/12	19.99612	78.708608	10.0	494242.0	3.936194	Y
8	IC 200-212230/14	39.99224	129.818677	10.0	650275.0	3.246097	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

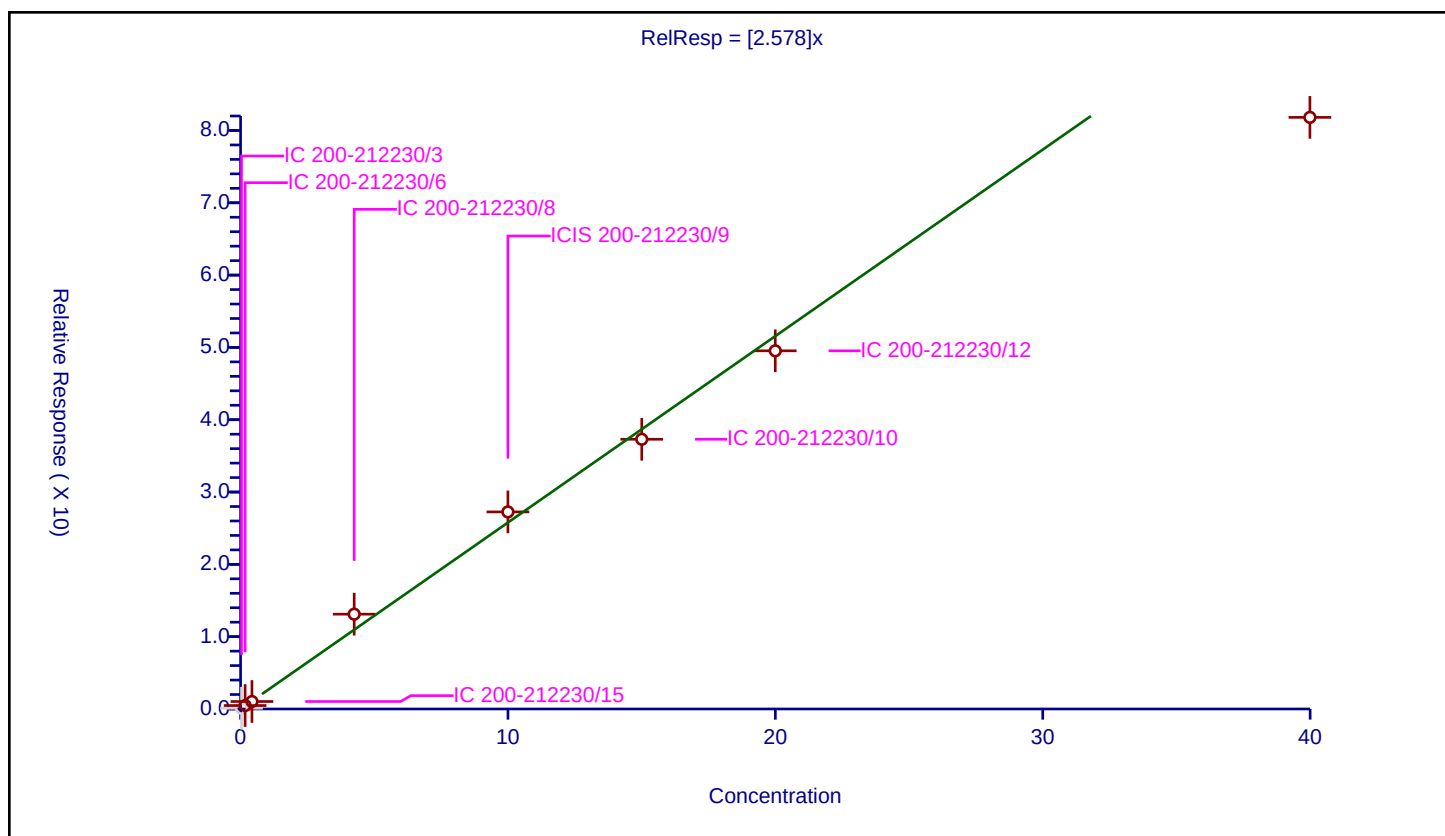
Curve Coefficients

Intercept: 0
Slope: 2.578

Error Coefficients

Relative Standard Deviation: 12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.106141	10.0	408700.0	3.02596	N
2	IC 200-212230/6	0.170154	0.476632	10.0	347417.0	2.801181	Y
3	IC 200-212230/15	0.425385	1.032642	10.0	588597.0	2.427549	Y
4	IC 200-212230/8	4.249175	13.111557	10.0	313409.0	3.085671	Y
5	ICIS 200-212230/9	9.99806	27.252159	10.0	370378.0	2.725745	Y
6	IC 200-212230/10	15.003557	37.300211	10.0	478893.0	2.486091	Y
7	IC 200-212230/12	19.99612	49.530594	10.0	494242.0	2.47701	Y
8	IC 200-212230/14	39.99224	81.810972	10.0	650275.0	2.045671	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

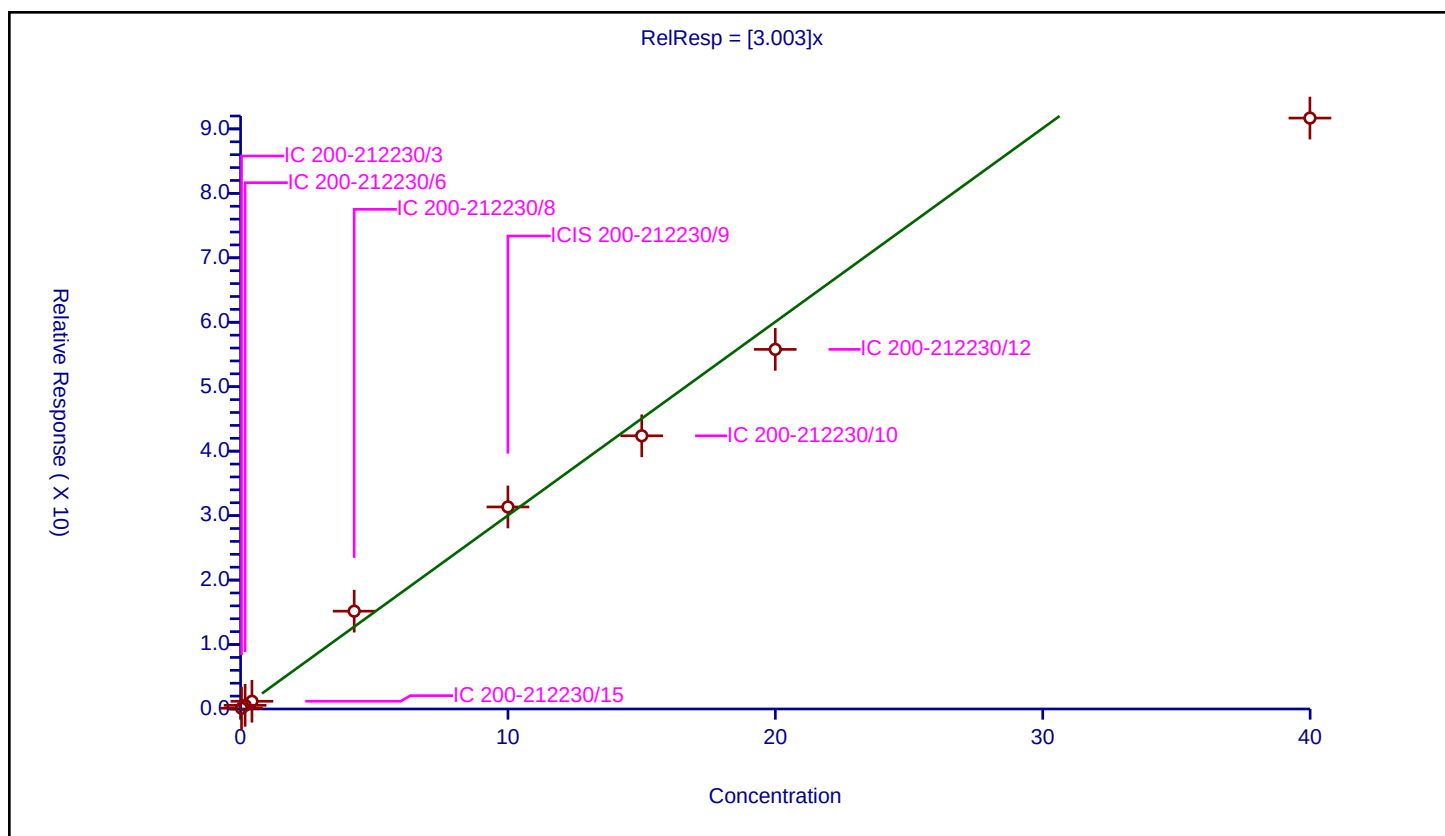
Curve Coefficients

Intercept: 0
Slope: 3.003

Error Coefficients

Relative Standard Deviation: 13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.115146	10.0	408700.0	3.282657	Y
2	IC 200-212230/6	0.170154	0.563127	10.0	347417.0	3.309518	Y
3	IC 200-212230/15	0.425385	1.199564	10.0	588597.0	2.819952	Y
4	IC 200-212230/8	4.249175	15.179366	10.0	313409.0	3.572309	Y
5	ICIS 200-212230/9	9.99806	31.347947	10.0	370378.0	3.135403	Y
6	IC 200-212230/10	15.003557	42.385648	10.0	478893.0	2.82504	Y
7	IC 200-212230/12	19.99612	55.795906	10.0	494242.0	2.790337	Y
8	IC 200-212230/14	39.99224	91.67972	10.0	650275.0	2.292438	Y



Calibration

/ Vinyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

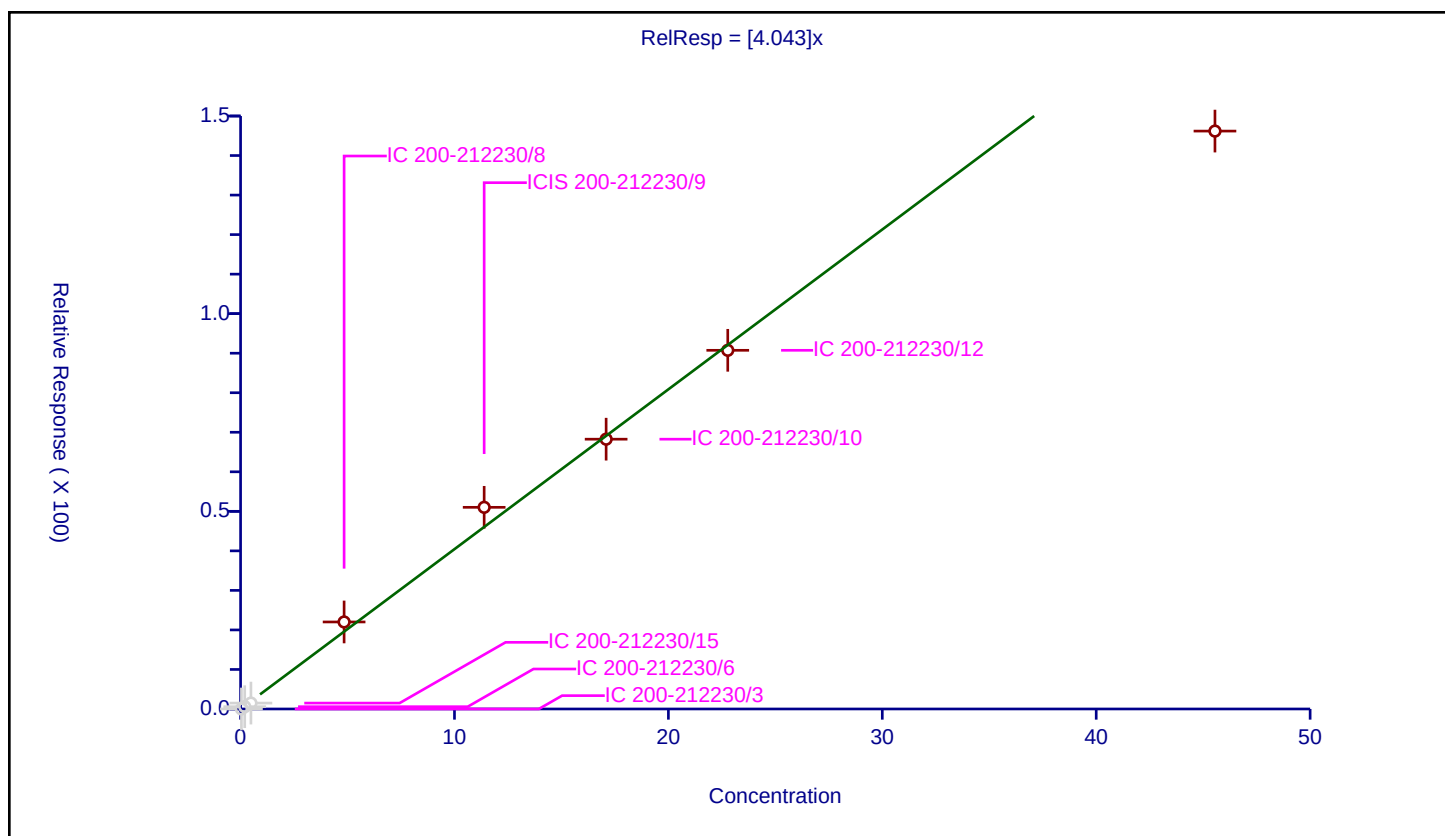
Curve Coefficients

Intercept: 0
Slope: 4.043

Error Coefficients

Relative Standard Deviation: 13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.039953	0.0	10.0	408700.0	0.0	N
2	IC 200-212230/6	0.193805	0.584629	10.0	347417.0	3.016579	N
3	IC 200-212230/15	0.484513	1.493637	10.0	588597.0	3.082757	N
4	IC 200-212230/8	4.839811	22.014077	10.0	313409.0	4.548541	Y
5	ICIS 200-212230/9	11.38779	51.01364	10.0	370378.0	4.479679	Y
6	IC 200-212230/10	17.089051	68.252198	10.0	478893.0	3.993914	Y
7	IC 200-212230/12	22.77558	90.735571	10.0	494242.0	3.983897	Y
8	IC 200-212230/14	45.551161	146.187721	10.0	650275.0	3.209308	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

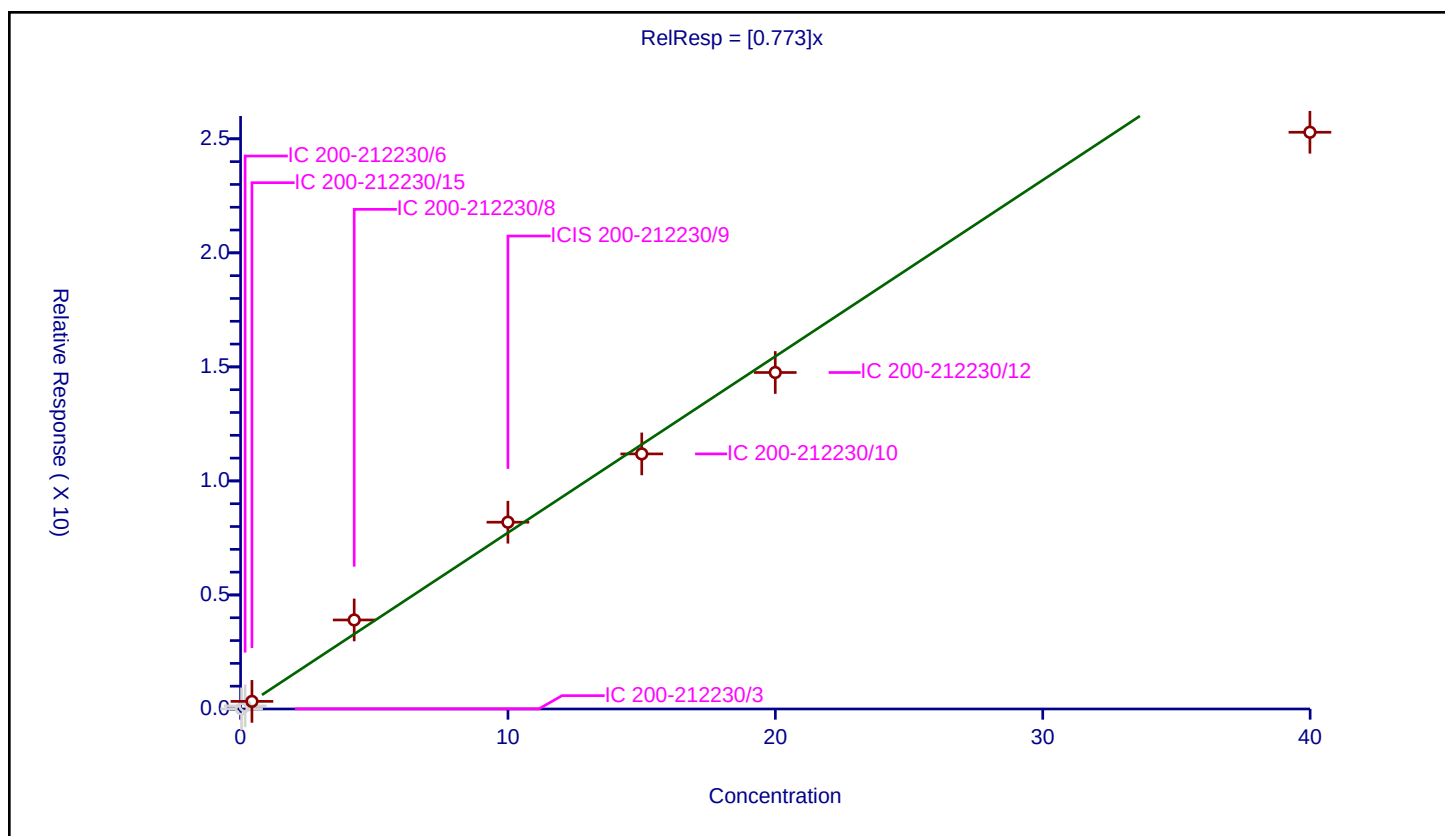
Curve Coefficients

Intercept: 0
Slope: 0.773

Error Coefficients

Relative Standard Deviation: 12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.004698	10.0	408700.0	0.133929	N
2	IC 200-212230/6	0.170154	0.13609	10.0	347417.0	0.799806	N
3	IC 200-212230/15	0.425385	0.333794	10.0	588597.0	0.784687	Y
4	IC 200-212230/8	4.249175	3.902983	10.0	313409.0	0.918527	Y
5	ICIS 200-212230/9	9.99806	8.190416	10.0	370378.0	0.819201	Y
6	IC 200-212230/10	15.003557	11.184858	10.0	478893.0	0.74548	Y
7	IC 200-212230/12	19.99612	14.753906	10.0	494242.0	0.737838	Y
8	IC 200-212230/14	39.99224	25.287563	10.0	650275.0	0.632312	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

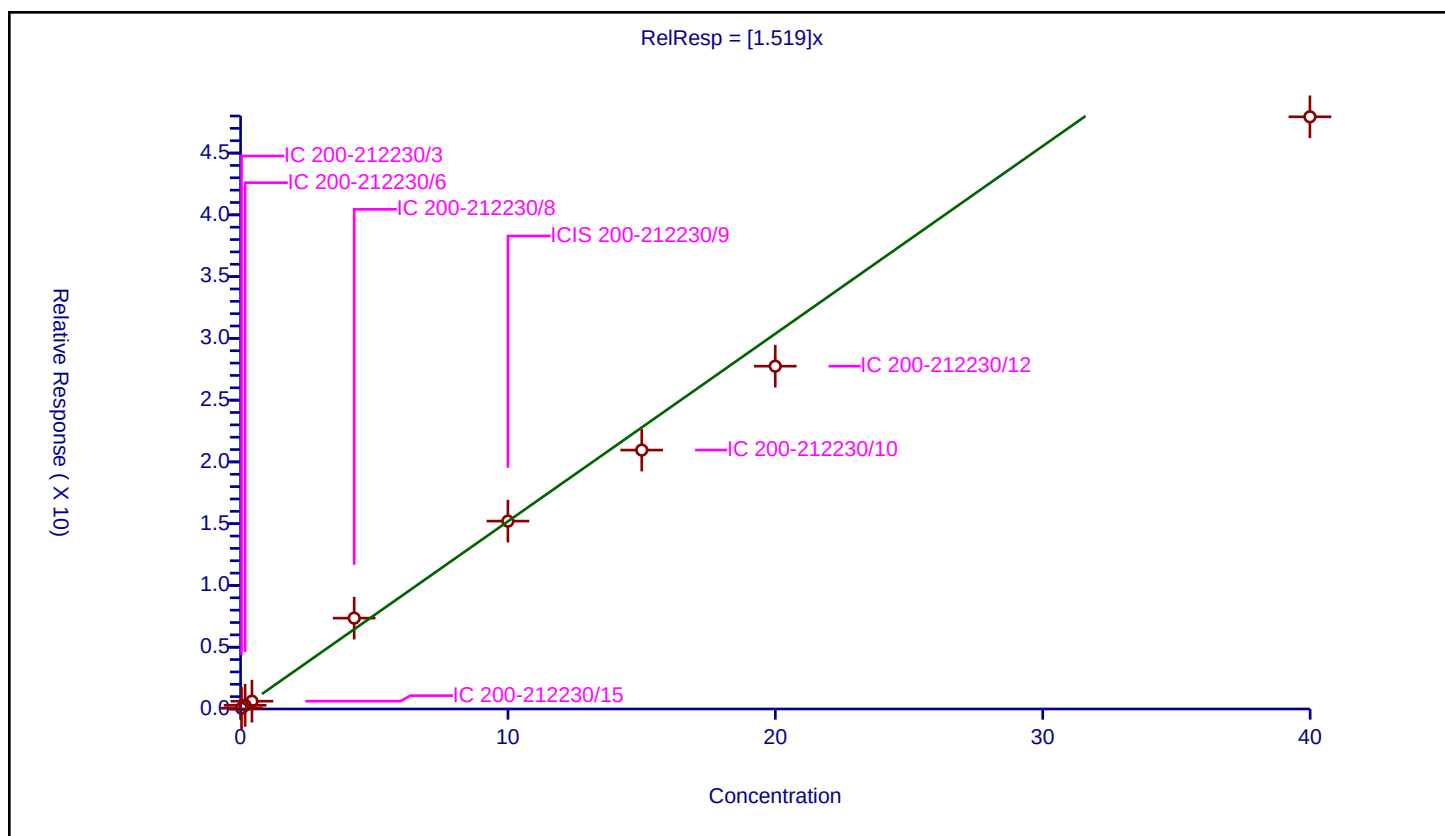
Curve Coefficients

Intercept: 0
Slope: 1.519

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.059432	10.0	408700.0	1.694342	Y
2	IC 200-212230/6	0.170154	0.295869	10.0	347417.0	1.738833	Y
3	IC 200-212230/15	0.425385	0.630533	10.0	588597.0	1.482266	Y
4	IC 200-212230/8	4.249175	7.355468	10.0	313409.0	1.731034	Y
5	ICIS 200-212230/9	9.99806	15.209273	10.0	370378.0	1.521222	Y
6	IC 200-212230/10	15.003557	20.959922	10.0	478893.0	1.396997	Y
7	IC 200-212230/12	19.99612	27.749078	10.0	494242.0	1.387723	Y
8	IC 200-212230/14	39.99224	47.935412	10.0	650275.0	1.198618	Y



Calibration

/ Ethyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

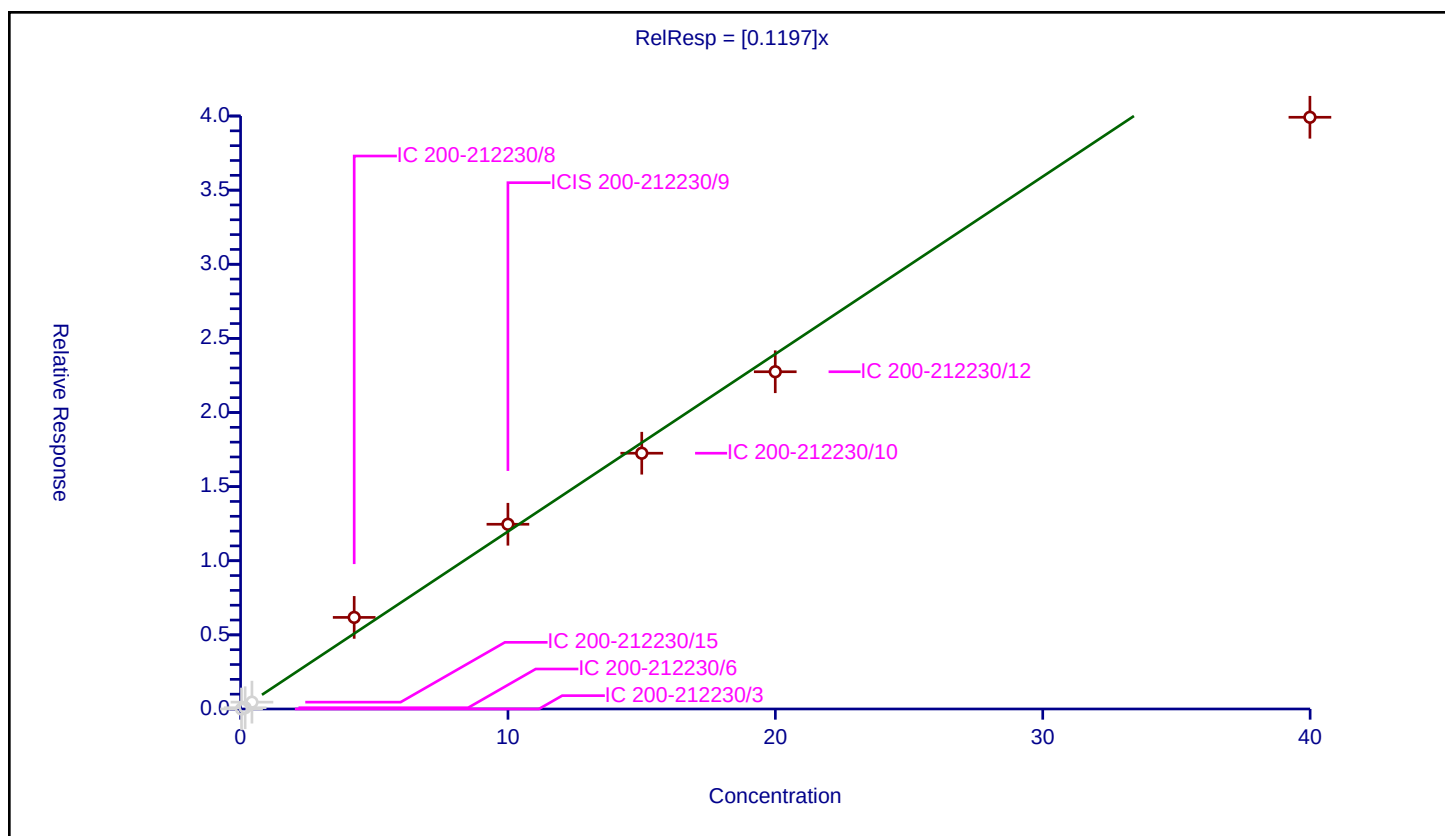
Curve Coefficients

Intercept: 0
 Slope: 0.1197

Error Coefficients

Relative Standard Deviation: 14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	408700.0	0.0	N
2	IC 200-212230/6	0.170154	0.00852	10.0	347417.0	0.050072	N
3	IC 200-212230/15	0.425385	0.046195	10.0	588597.0	0.108595	N
4	IC 200-212230/8	4.249175	0.617851	10.0	313409.0	0.145405	Y
5	ICIS 200-212230/9	9.99806	1.246078	10.0	370378.0	0.124632	Y
6	IC 200-212230/10	15.003557	1.725312	10.0	478893.0	0.114994	Y
7	IC 200-212230/12	19.99612	2.274938	10.0	494242.0	0.113769	Y
8	IC 200-212230/14	39.99224	3.991481	10.0	650275.0	0.099806	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

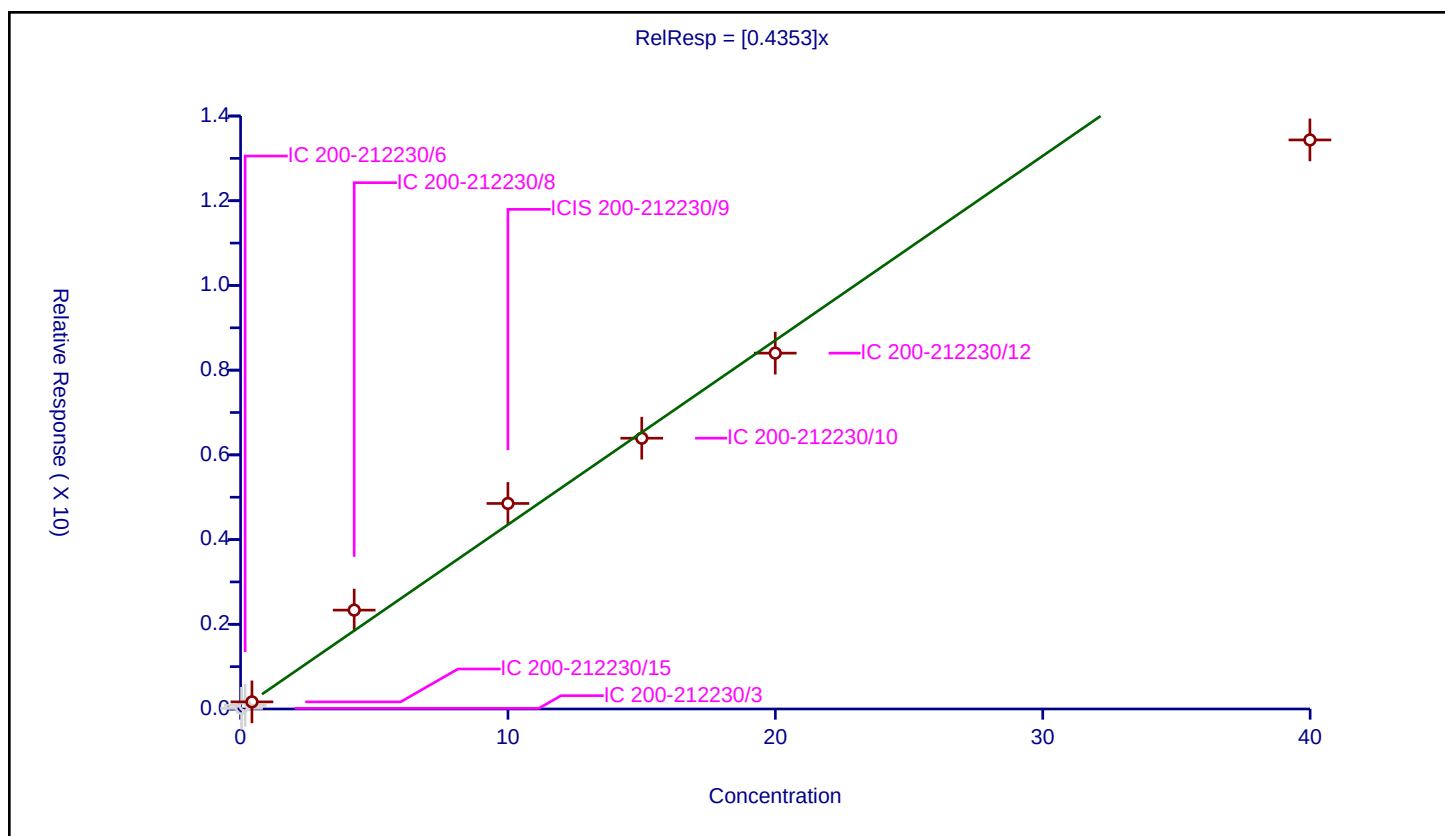
Curve Coefficients

Intercept: 0
Slope: 0.4353

Error Coefficients

Relative Standard Deviation: 17.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.015111	10.0	2044175.0	0.430802	N
2	IC 200-212230/6	0.170154	0.085768	10.0	1728494.0	0.504063	N
3	IC 200-212230/15	0.425385	0.167861	10.0	2936472.0	0.394611	Y
4	IC 200-212230/8	4.249175	2.334204	10.0	1564229.0	0.549331	Y
5	ICIS 200-212230/9	9.99806	4.852805	10.0	1834269.0	0.485375	Y
6	IC 200-212230/10	15.003557	6.392939	10.0	2373991.0	0.426095	Y
7	IC 200-212230/12	19.99612	8.401507	10.0	2441500.0	0.420157	Y
8	IC 200-212230/14	39.99224	13.435202	10.0	3183201.0	0.335945	Y



Calibration

/ Chloroform

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

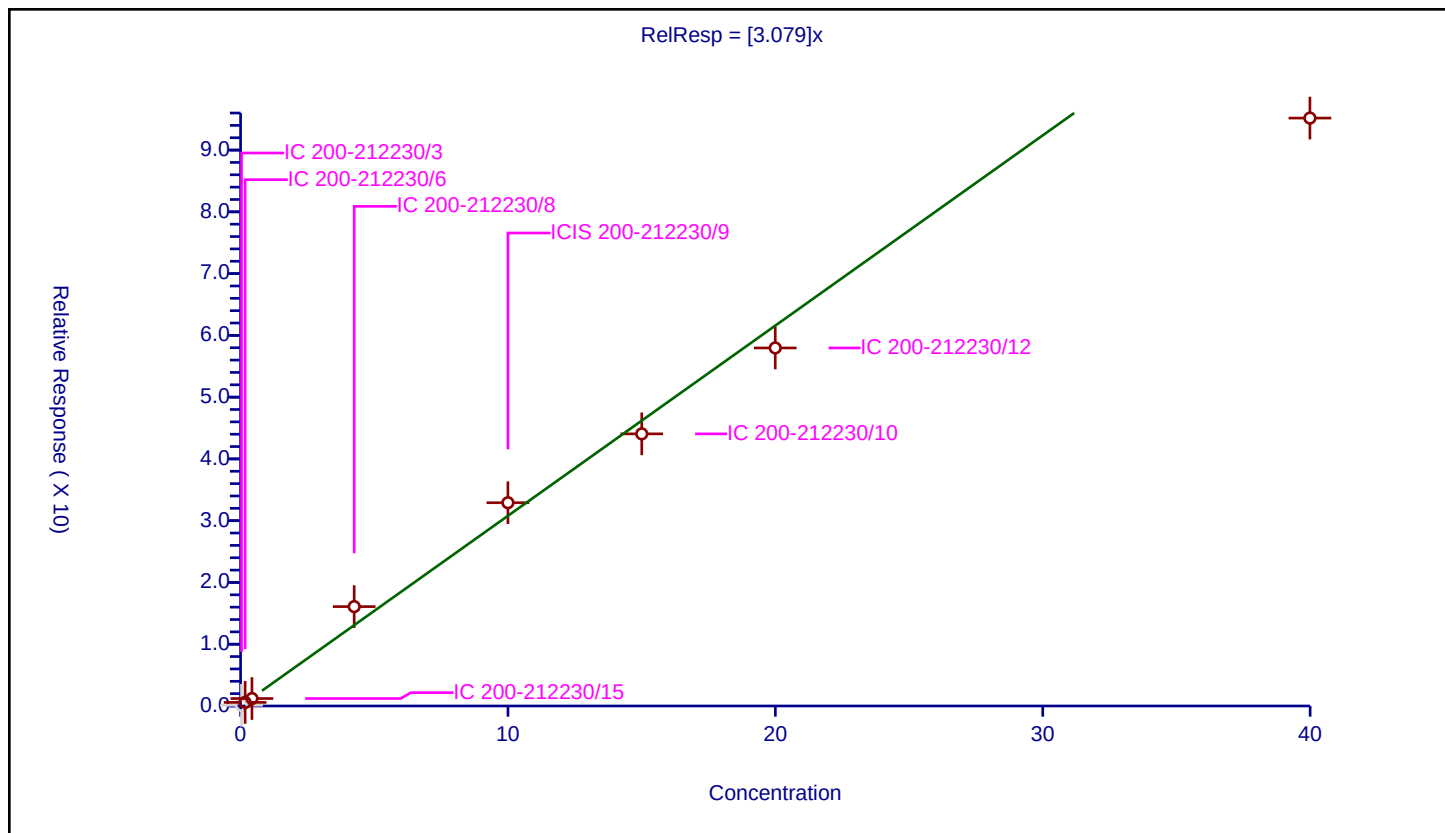
Curve Coefficients

Intercept: 0
 Slope: 3.079

Error Coefficients

Relative Standard Deviation: 14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.117715	10.0	408700.0	3.3559	N
2	IC 200-212230/6	0.170154	0.582441	10.0	347417.0	3.423027	Y
3	IC 200-212230/15	0.425385	1.207991	10.0	588597.0	2.839762	Y
4	IC 200-212230/8	4.249175	16.086073	10.0	313409.0	3.785693	Y
5	ICIS 200-212230/9	9.99806	32.908569	10.0	370378.0	3.291495	Y
6	IC 200-212230/10	15.003557	44.055729	10.0	478893.0	2.936352	Y
7	IC 200-212230/12	19.99612	57.96541	10.0	494242.0	2.898833	Y
8	IC 200-212230/14	39.99224	95.180823	10.0	650275.0	2.379982	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

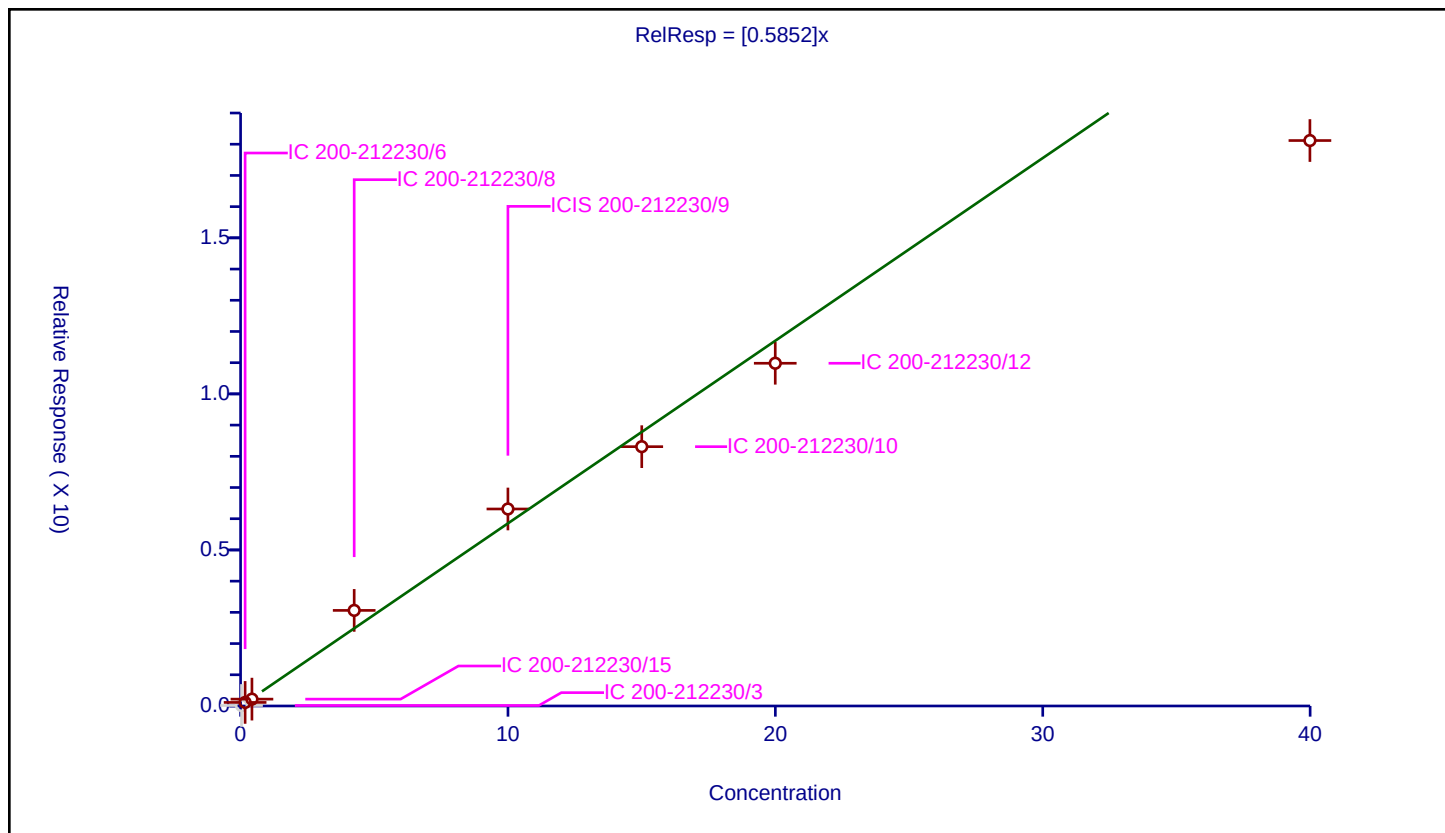
Curve Coefficients

Intercept: 0
Slope: 0.5852

Error Coefficients

Relative Standard Deviation: 15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.015385	10.0	2044175.0	0.438612	N
2	IC 200-212230/6	0.170154	0.114157	10.0	1728494.0	0.670906	Y
3	IC 200-212230/15	0.425385	0.22004	10.0	2936472.0	0.517272	Y
4	IC 200-212230/8	4.249175	3.0631	10.0	1564229.0	0.720869	Y
5	ICIS 200-212230/9	9.99806	6.312417	10.0	1834269.0	0.631364	Y
6	IC 200-212230/10	15.003557	8.309307	10.0	2373991.0	0.553822	Y
7	IC 200-212230/12	19.99612	10.982175	10.0	2441500.0	0.549215	Y
8	IC 200-212230/14	39.99224	18.117982	10.0	3183201.0	0.453037	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

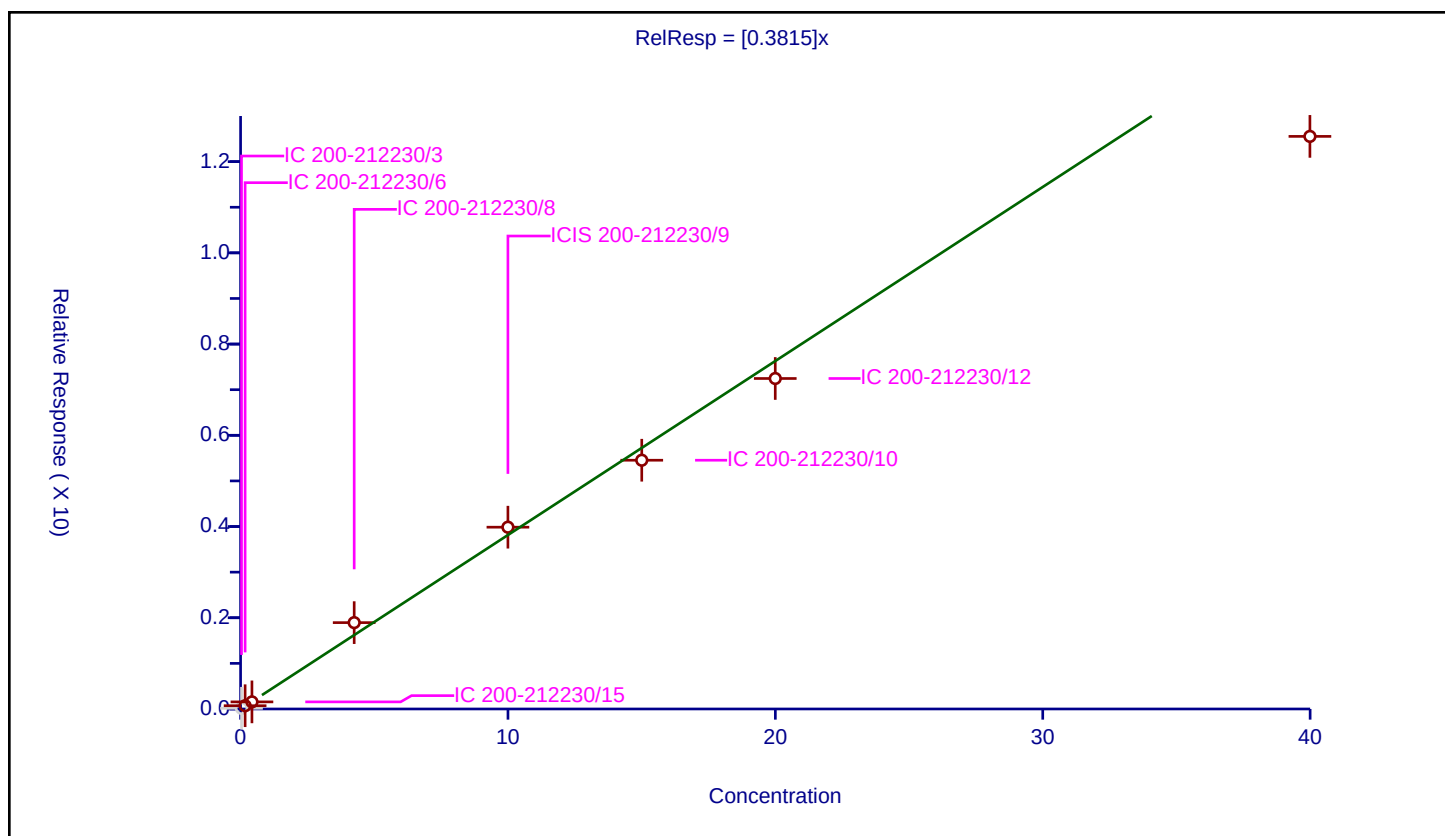
Curve Coefficients

Intercept: 0
Slope: 0.3815

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.015219	10.0	2044175.0	0.433871	N
2	IC 200-212230/6	0.170154	0.071455	10.0	1728494.0	0.419945	Y
3	IC 200-212230/15	0.425385	0.155843	10.0	2936472.0	0.366359	Y
4	IC 200-212230/8	4.249175	1.893463	10.0	1564229.0	0.445607	Y
5	ICIS 200-212230/9	9.99806	3.985839	10.0	1834269.0	0.398661	Y
6	IC 200-212230/10	15.003557	5.453673	10.0	2373991.0	0.363492	Y
7	IC 200-212230/12	19.99612	7.245308	10.0	2441500.0	0.362336	Y
8	IC 200-212230/14	39.99224	12.553254	10.0	3183201.0	0.313892	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

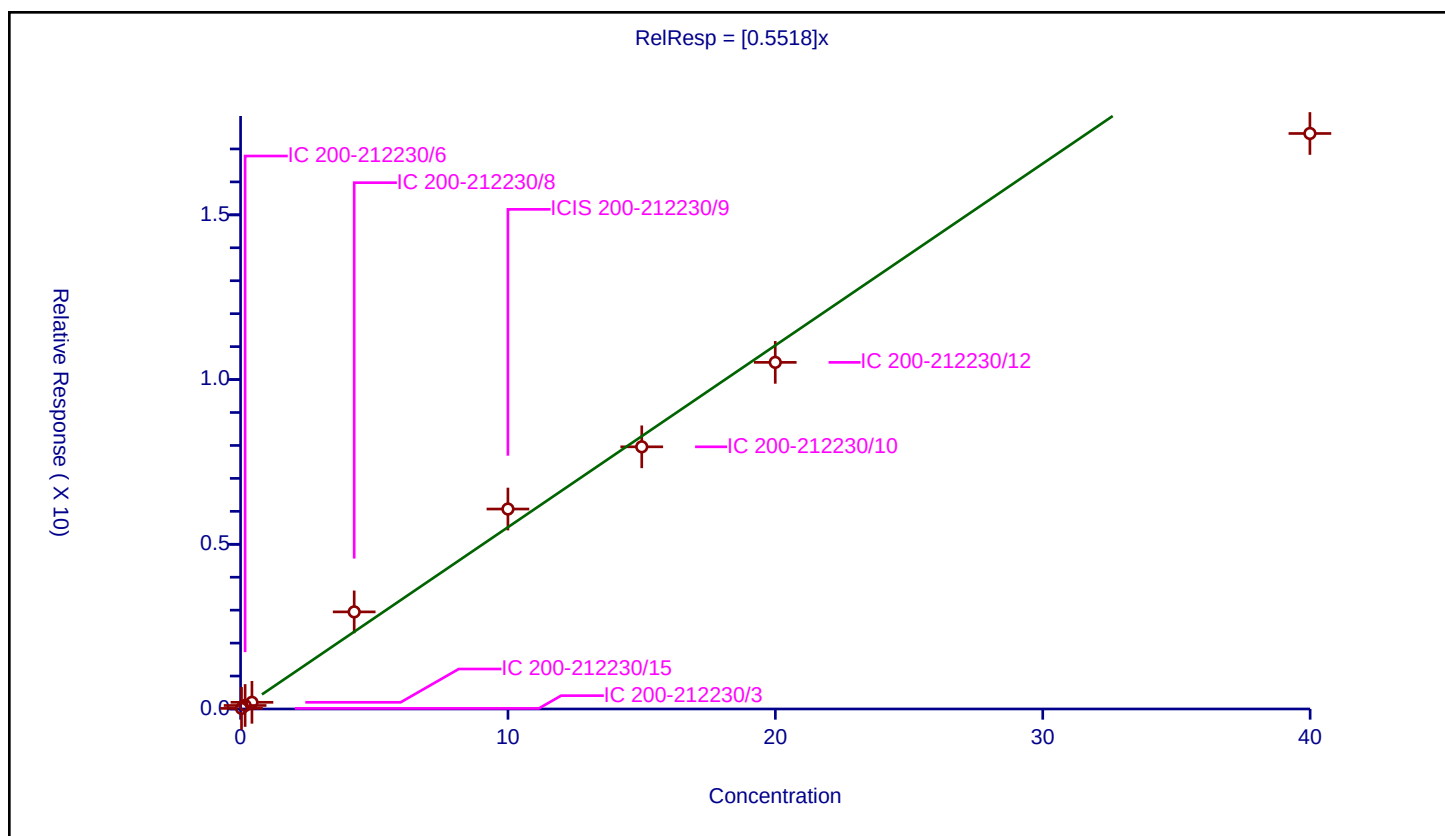
Curve Coefficients

Intercept: 0
 Slope: 0.5518

Error Coefficients

Relative Standard Deviation: 15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.018198	10.0	2044175.0	0.518804	Y
2	IC 200-212230/6	0.170154	0.106387	10.0	1728494.0	0.625242	Y
3	IC 200-212230/15	0.425385	0.202665	10.0	2936472.0	0.476427	Y
4	IC 200-212230/8	4.249175	2.947657	10.0	1564229.0	0.693701	Y
5	ICIS 200-212230/9	9.99806	6.070135	10.0	1834269.0	0.607131	Y
6	IC 200-212230/10	15.003557	7.958543	10.0	2373991.0	0.530444	Y
7	IC 200-212230/12	19.99612	10.522027	10.0	2441500.0	0.526203	Y
8	IC 200-212230/14	39.99224	17.470128	10.0	3183201.0	0.436838	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

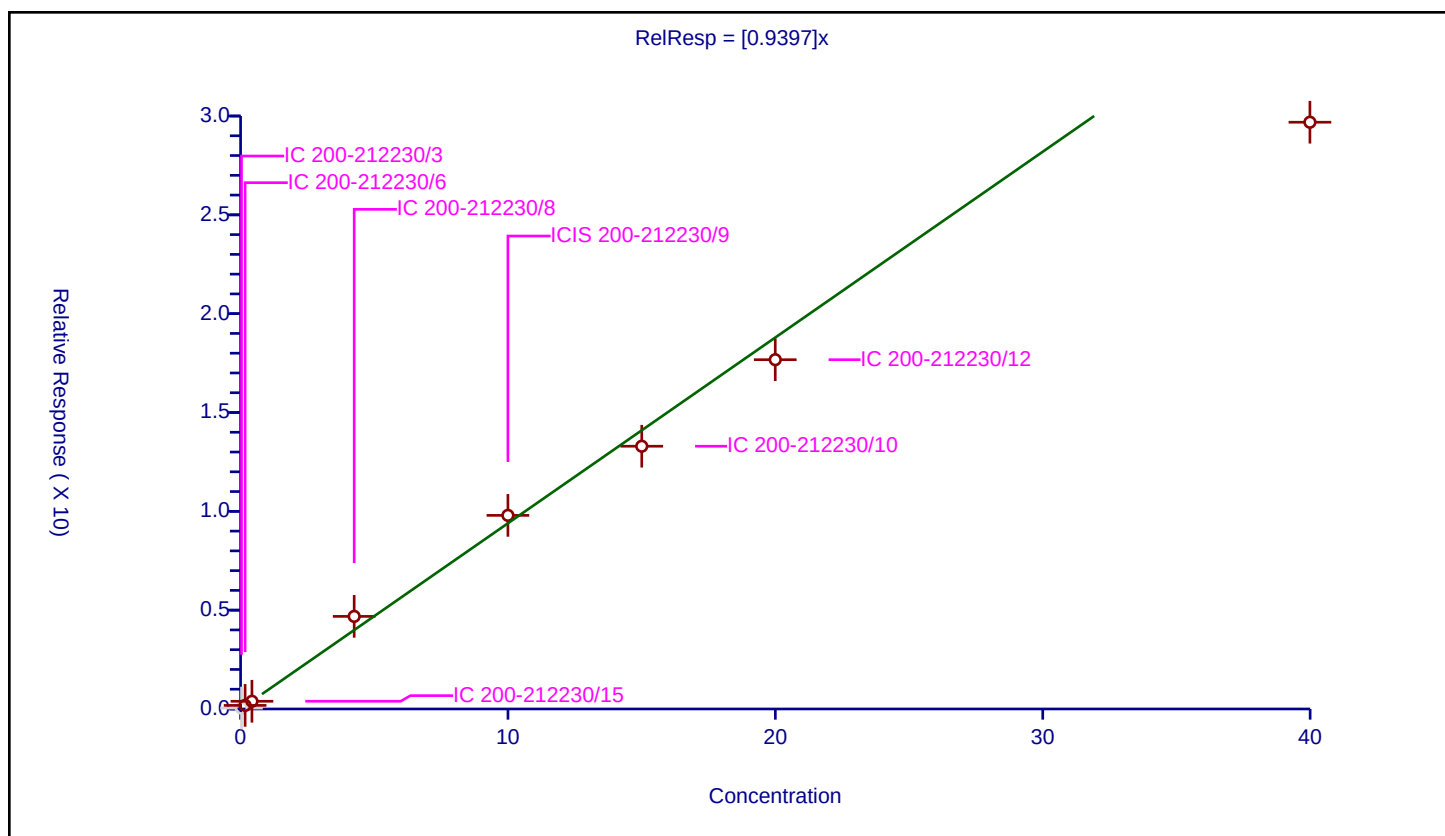
Curve Coefficients

Intercept: 0
Slope: 0.9397

Error Coefficients

Relative Standard Deviation: 13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.045515	10.0	2044175.0	1.297567	N
2	IC 200-212230/6	0.170154	0.181435	10.0	1728494.0	1.066302	Y
3	IC 200-212230/15	0.425385	0.39039	10.0	2936472.0	0.917735	Y
4	IC 200-212230/8	4.249175	4.684544	10.0	1564229.0	1.10246	Y
5	ICIS 200-212230/9	9.99806	9.795281	10.0	1834269.0	0.979718	Y
6	IC 200-212230/10	15.003557	13.293214	10.0	2373991.0	0.886004	Y
7	IC 200-212230/12	19.99612	17.671046	10.0	2441500.0	0.883724	Y
8	IC 200-212230/14	39.99224	29.68613	10.0	3183201.0	0.742297	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

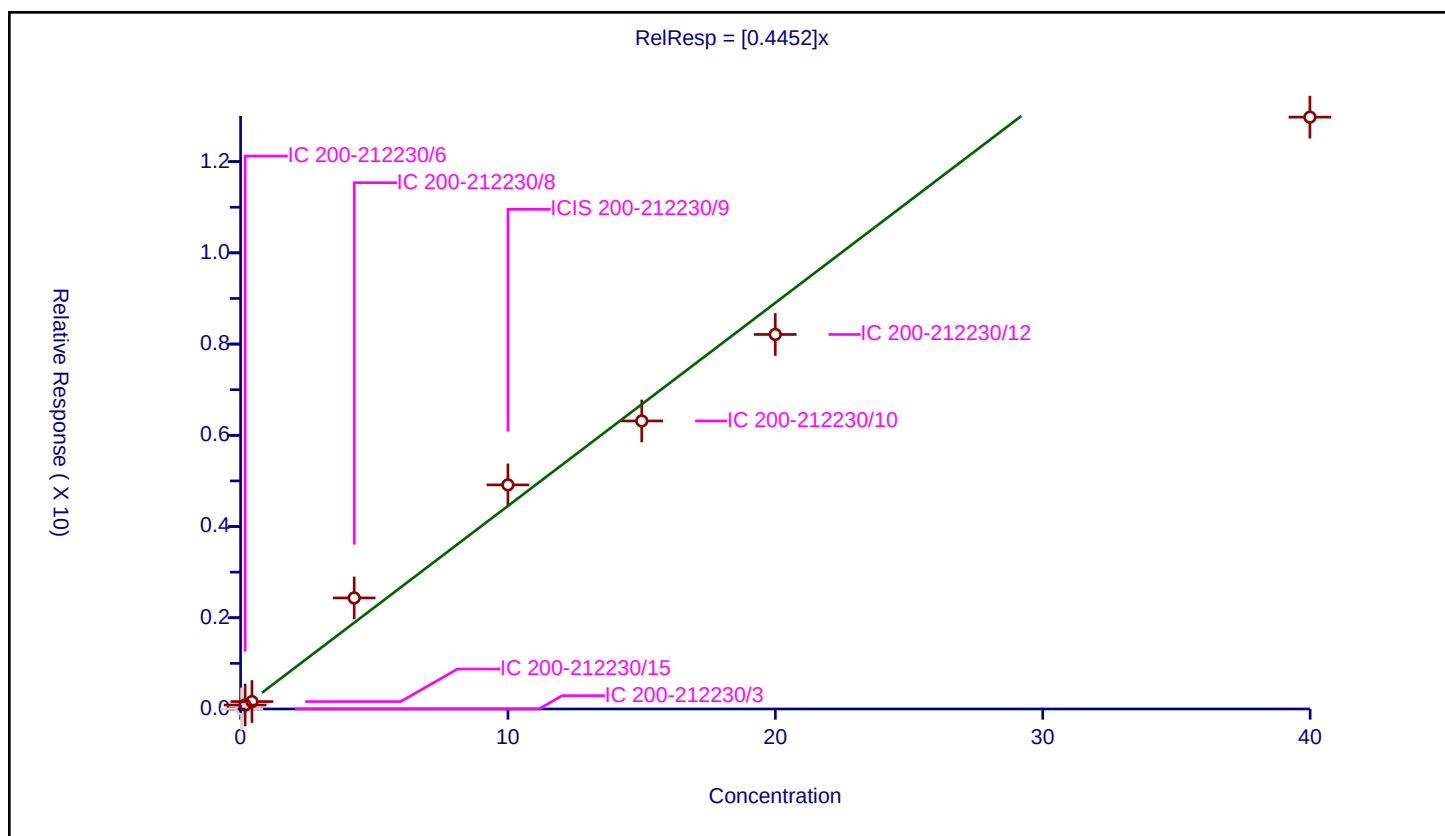
Curve Coefficients

Intercept: 0
Slope: 0.4452

Error Coefficients

Relative Standard Deviation: 19.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	2044175.0	0.0	N
2	IC 200-212230/6	0.170154	0.087371	10.0	1728494.0	0.513481	Y
3	IC 200-212230/15	0.425385	0.162828	10.0	2936472.0	0.382778	Y
4	IC 200-212230/8	4.249175	2.434567	10.0	1564229.0	0.57295	Y
5	ICIS 200-212230/9	9.99806	4.913014	10.0	1834269.0	0.491397	Y
6	IC 200-212230/10	15.003557	6.314577	10.0	2373991.0	0.420872	Y
7	IC 200-212230/12	19.99612	8.21096	10.0	2441500.0	0.410628	Y
8	IC 200-212230/14	39.99224	12.975225	10.0	3183201.0	0.324444	Y



Calibration

/ Isooctane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

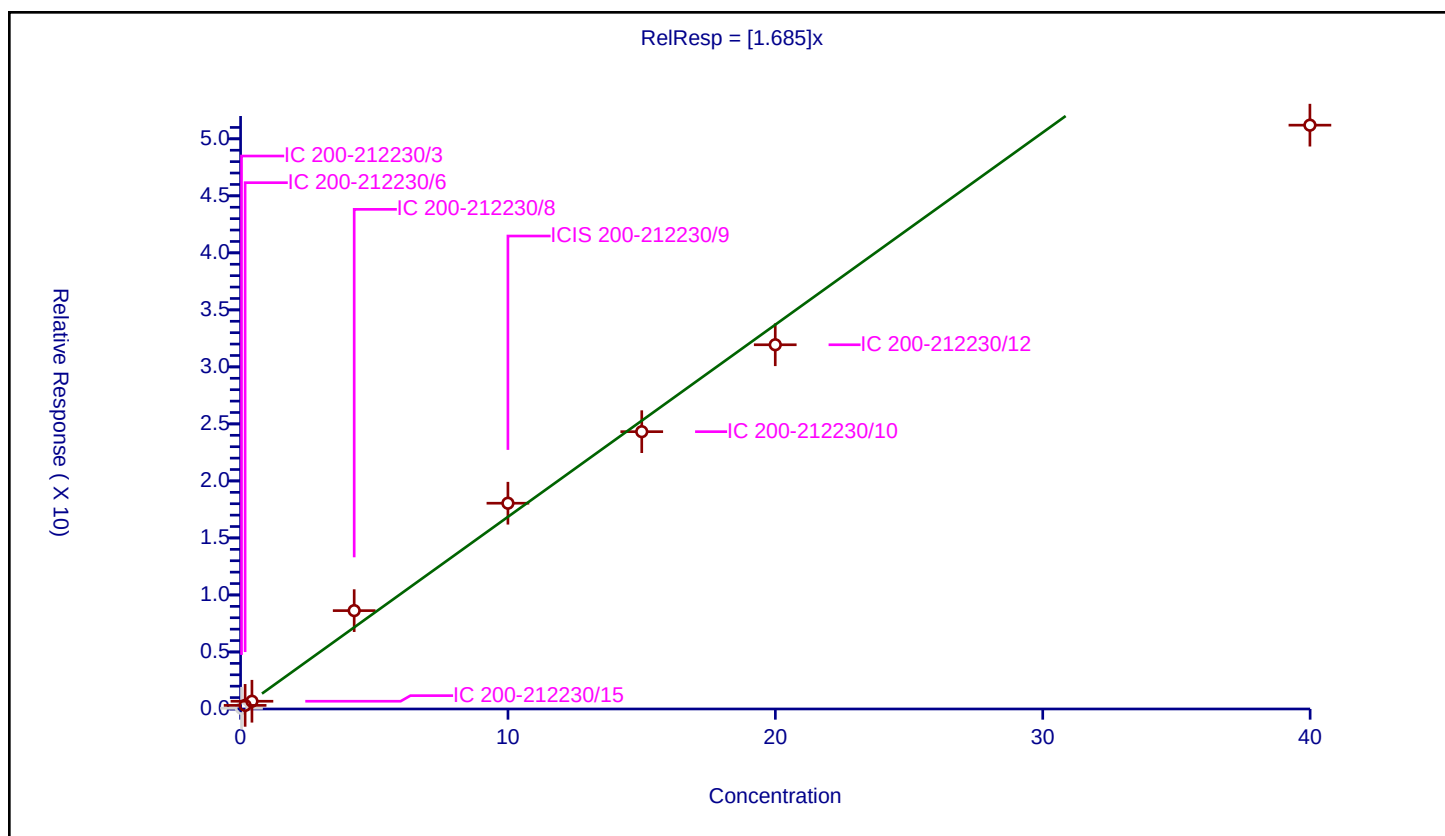
Curve Coefficients

Intercept: 0
Slope: 1.685

Error Coefficients

Relative Standard Deviation: 14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.064897	10.0	2044175.0	1.850121	N
2	IC 200-212230/6	0.170154	0.317884	10.0	1728494.0	1.868213	Y
3	IC 200-212230/15	0.425385	0.678413	10.0	2936472.0	1.594822	Y
4	IC 200-212230/8	4.249175	8.625515	10.0	1564229.0	2.029927	Y
5	ICIS 200-212230/9	9.99806	18.046006	10.0	1834269.0	1.804951	Y
6	IC 200-212230/10	15.003557	24.318205	10.0	2373991.0	1.620829	Y
7	IC 200-212230/12	19.99612	31.939599	10.0	2441500.0	1.59729	Y
8	IC 200-212230/14	39.99224	51.198737	10.0	3183201.0	1.280217	Y



Calibration

/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

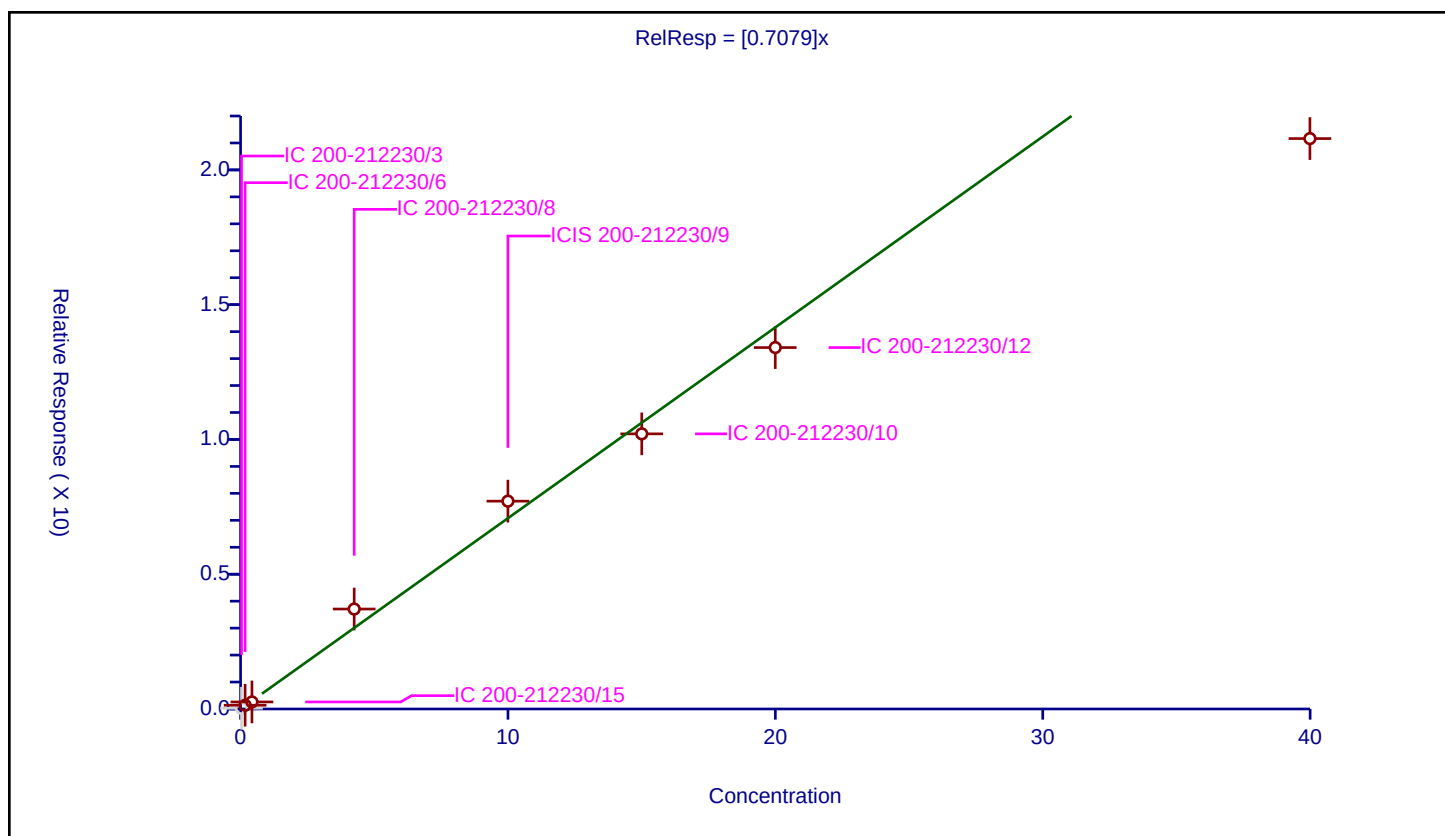
Curve Coefficients

Intercept: 0
Slope: 0.7079

Error Coefficients

Relative Standard Deviation: 16.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.027987	10.0	2044175.0	0.79787	N
2	IC 200-212230/6	0.170154	0.138722	10.0	1728494.0	0.815273	Y
3	IC 200-212230/15	0.425385	0.261967	10.0	2936472.0	0.615836	Y
4	IC 200-212230/8	4.249175	3.708671	10.0	1564229.0	0.872798	Y
5	ICIS 200-212230/9	9.99806	7.710587	10.0	1834269.0	0.771208	Y
6	IC 200-212230/10	15.003557	10.207903	10.0	2373991.0	0.680366	Y
7	IC 200-212230/12	19.99612	13.409523	10.0	2441500.0	0.670606	Y
8	IC 200-212230/14	39.99224	21.1625	10.0	3183201.0	0.529165	Y



Calibration

/ n-Butanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

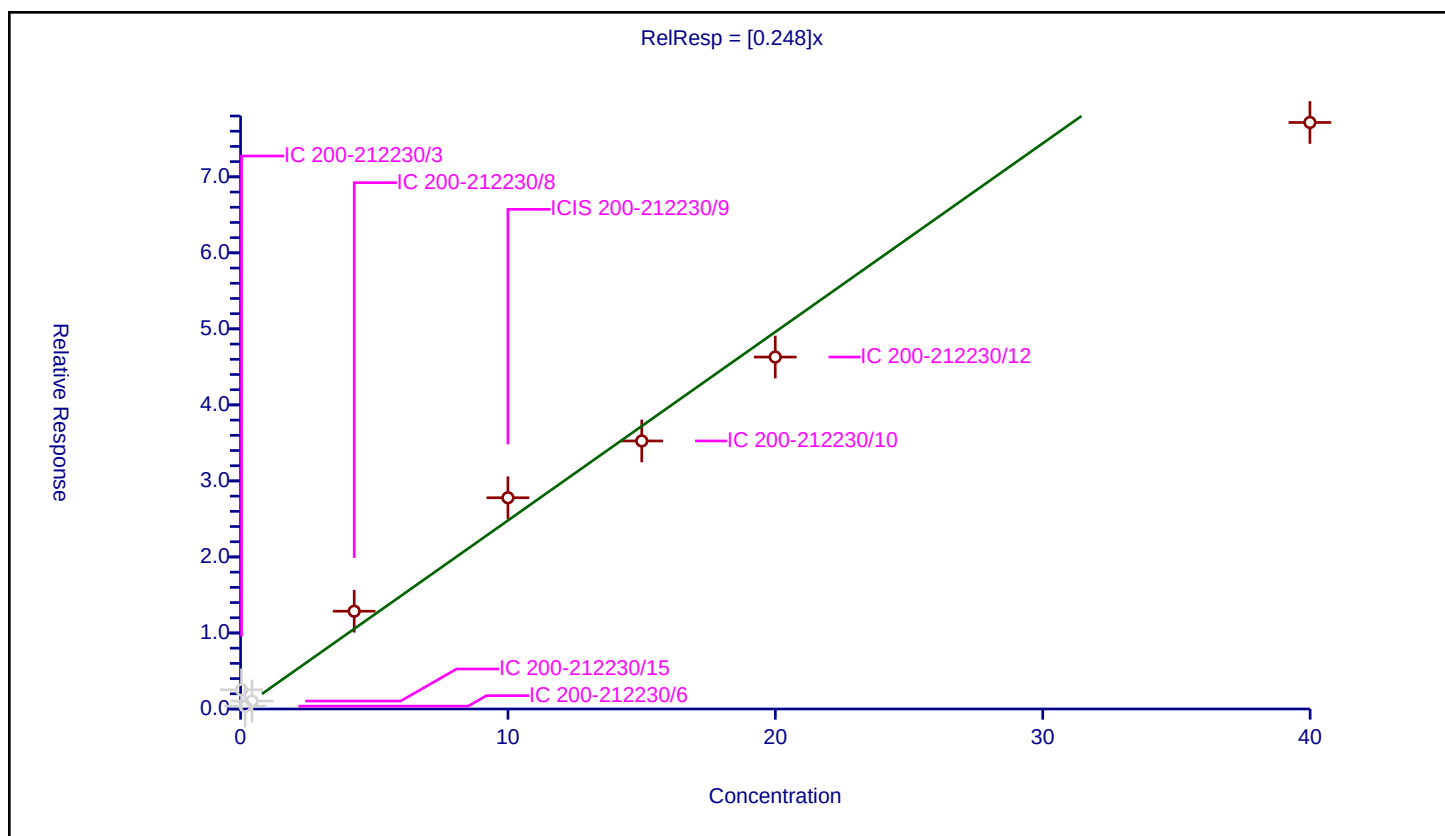
Curve Coefficients

Intercept: 0
 Slope: 0.248

Error Coefficients

Relative Standard Deviation: 17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.252097	10.0	2044175.0	7.186967	N
2	IC 200-212230/6	0.170154	0.03757	10.0	1728494.0	0.220802	N
3	IC 200-212230/15	0.425385	0.104517	10.0	2936472.0	0.245699	N
4	IC 200-212230/8	4.249175	1.286269	10.0	1564229.0	0.30271	Y
5	ICIS 200-212230/9	9.99806	2.778818	10.0	1834269.0	0.277936	Y
6	IC 200-212230/10	15.003557	3.525814	10.0	2373991.0	0.234999	Y
7	IC 200-212230/12	19.99612	4.62949	10.0	2441500.0	0.231519	Y
8	IC 200-212230/14	39.99224	7.715143	10.0	3183201.0	0.192916	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

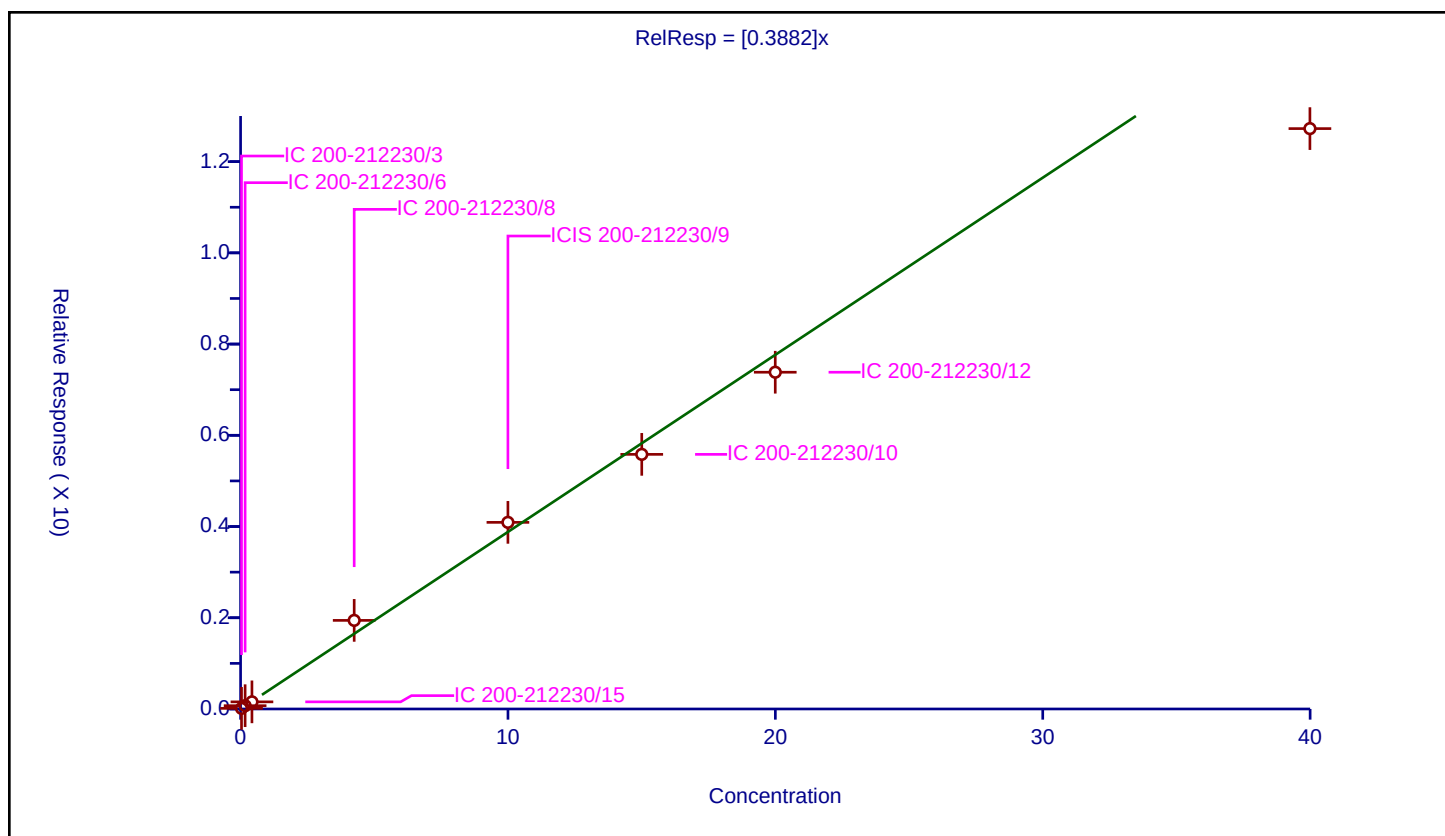
Curve Coefficients

Intercept: 0
Slope: 0.3882

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.013619	10.0	2044175.0	0.388266	Y
2	IC 200-212230/6	0.170154	0.072109	10.0	1728494.0	0.423787	Y
3	IC 200-212230/15	0.425385	0.156565	10.0	2936472.0	0.368056	Y
4	IC 200-212230/8	4.249175	1.94242	10.0	1564229.0	0.457129	Y
5	ICIS 200-212230/9	9.99806	4.091521	10.0	1834269.0	0.409231	Y
6	IC 200-212230/10	15.003557	5.58222	10.0	2373991.0	0.37206	Y
7	IC 200-212230/12	19.99612	7.383002	10.0	2441500.0	0.369222	Y
8	IC 200-212230/14	39.99224	12.723837	10.0	3183201.0	0.318158	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

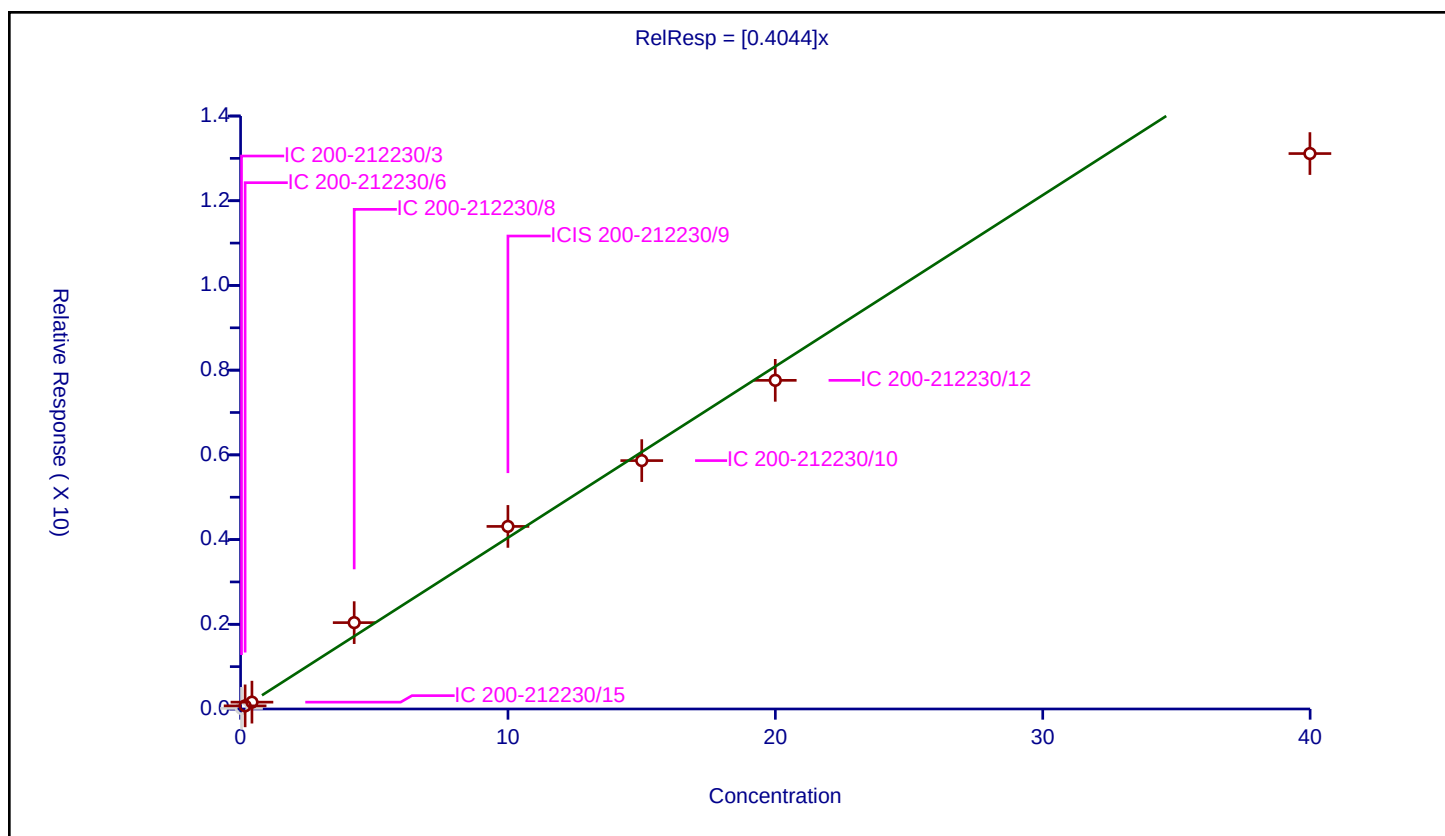
Curve Coefficients

Intercept: 0
Slope: 0.4044

Error Coefficients

Relative Standard Deviation: 12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.015038	10.0	2044175.0	0.42871	N
2	IC 200-212230/6	0.170154	0.073746	10.0	1728494.0	0.433409	Y
3	IC 200-212230/15	0.425385	0.16151	10.0	2936472.0	0.37968	Y
4	IC 200-212230/8	4.249175	2.038768	10.0	1564229.0	0.479803	Y
5	ICIS 200-212230/9	9.99806	4.310475	10.0	1834269.0	0.431131	Y
6	IC 200-212230/10	15.003557	5.864272	10.0	2373991.0	0.390859	Y
7	IC 200-212230/12	19.99612	7.759537	10.0	2441500.0	0.388052	Y
8	IC 200-212230/14	39.99224	13.113401	10.0	3183201.0	0.327899	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

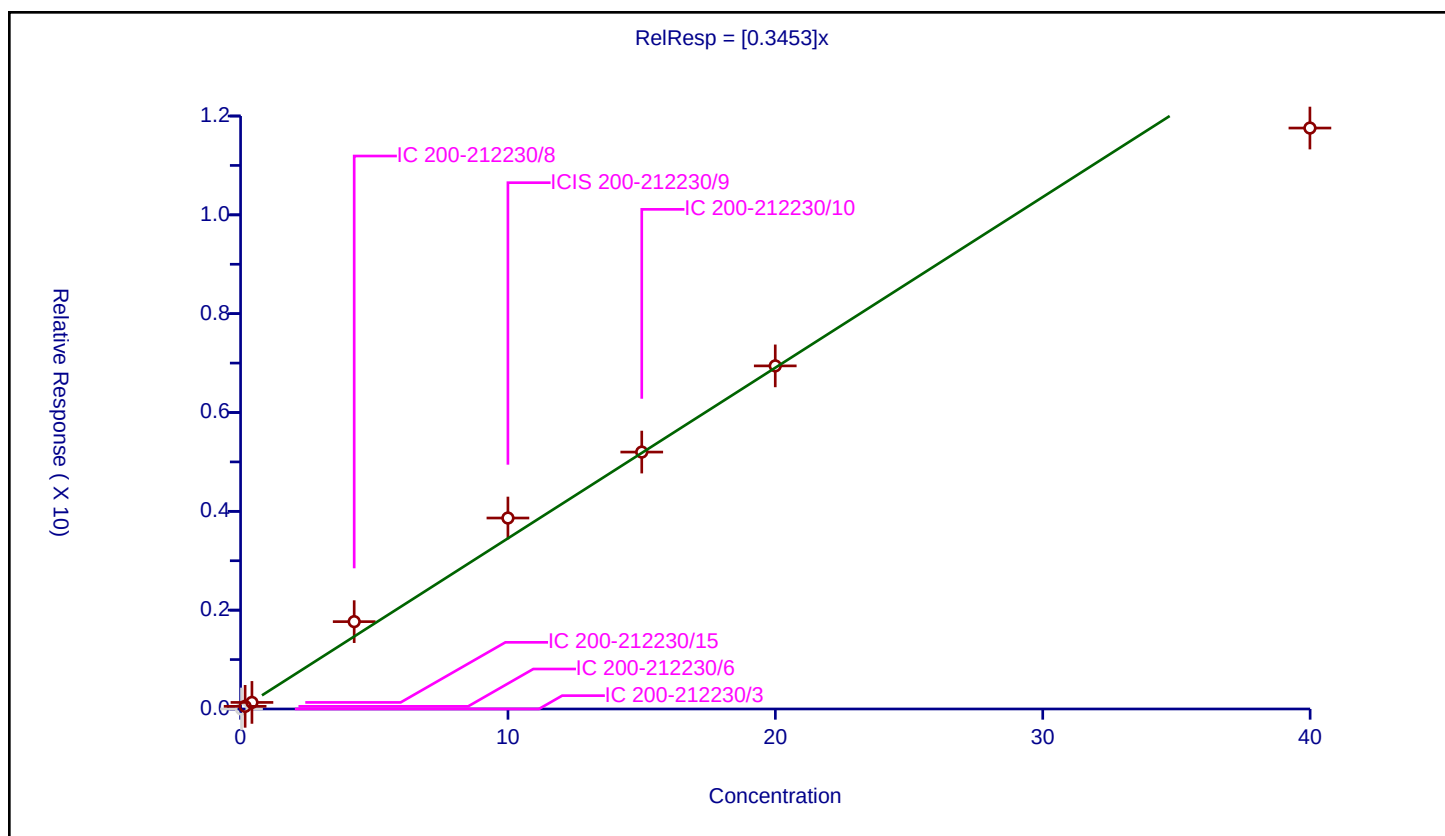
Curve Coefficients

Intercept: 0
Slope: 0.3453

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	2044175.0	0.0	N
2	IC 200-212230/6	0.170154	0.053463	10.0	1728494.0	0.314202	Y
3	IC 200-212230/15	0.425385	0.133112	10.0	2936472.0	0.312922	Y
4	IC 200-212230/8	4.249175	1.767887	10.0	1564229.0	0.416054	Y
5	ICIS 200-212230/9	9.99806	3.86458	10.0	1834269.0	0.386533	Y
6	IC 200-212230/10	15.003557	5.199122	10.0	2373991.0	0.346526	Y
7	IC 200-212230/12	19.99612	6.943465	10.0	2441500.0	0.347241	Y
8	IC 200-212230/14	39.99224	11.756455	10.0	3183201.0	0.293968	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

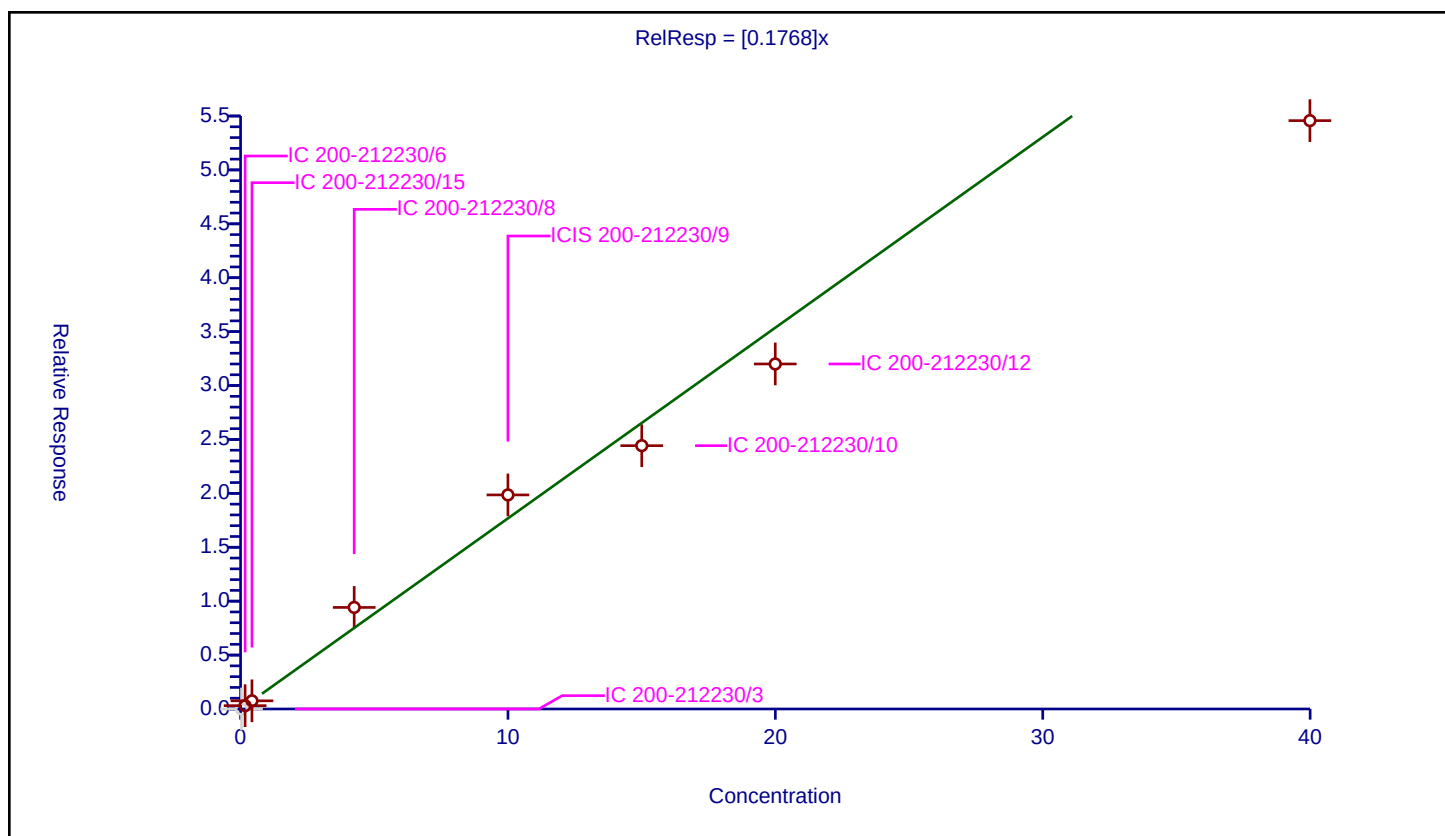
Curve Coefficients

Intercept: 0
Slope: 0.1768

Error Coefficients

Relative Standard Deviation: 15.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	2044175.0	0.0	N
2	IC 200-212230/6	0.170154	0.030674	10.0	1728494.0	0.180273	Y
3	IC 200-212230/15	0.425385	0.07571	10.0	2936472.0	0.17798	Y
4	IC 200-212230/8	4.249175	0.942119	10.0	1564229.0	0.221718	Y
5	ICIS 200-212230/9	9.99806	1.985559	10.0	1834269.0	0.198594	Y
6	IC 200-212230/10	15.003557	2.442334	10.0	2373991.0	0.162784	Y
7	IC 200-212230/12	19.99612	3.200172	10.0	2441500.0	0.16004	Y
8	IC 200-212230/14	39.99224	5.457274	10.0	3183201.0	0.136458	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

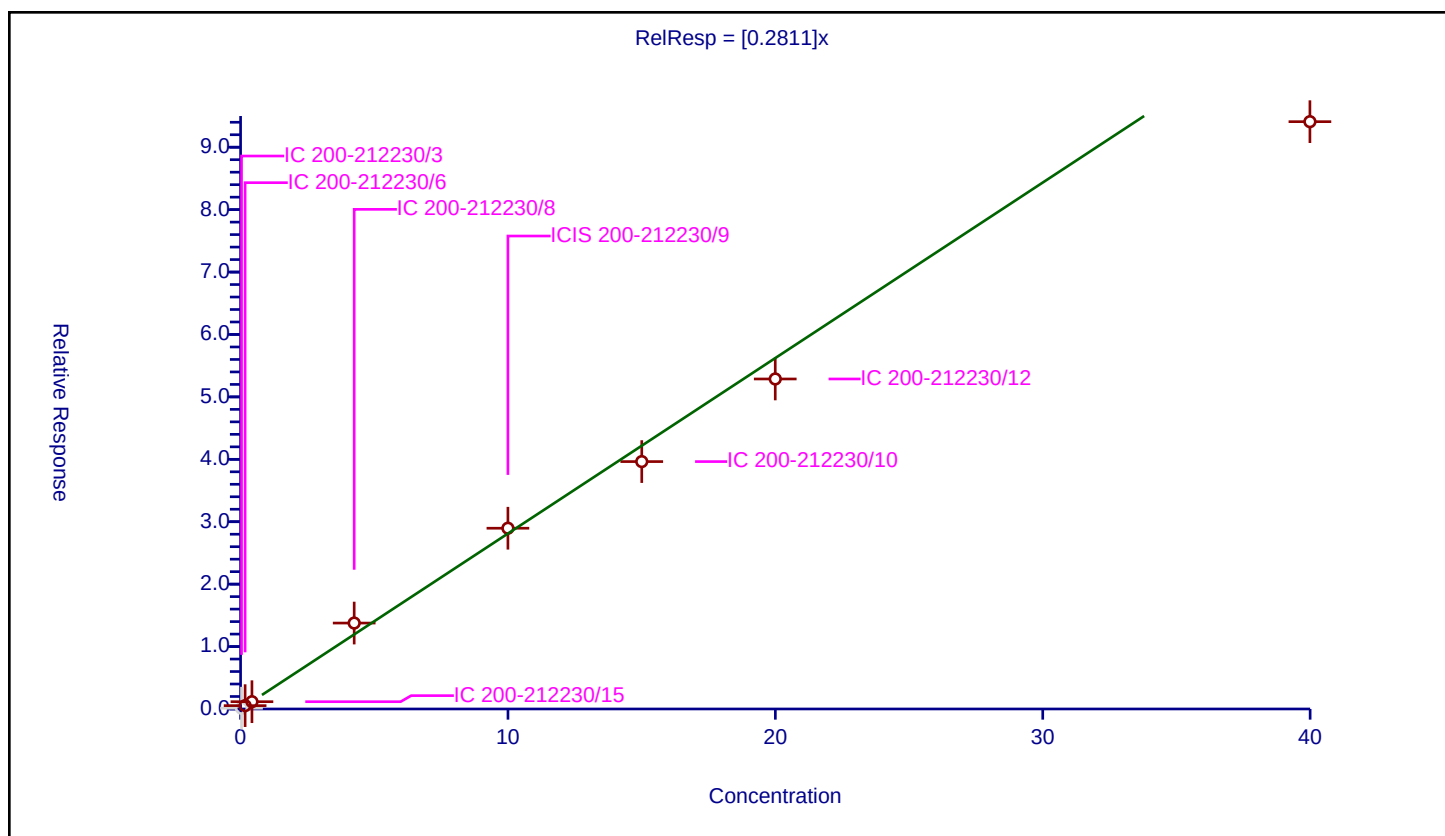
Curve Coefficients

Intercept: 0
Slope: 0.2811

Error Coefficients

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.012626	10.0	2044175.0	0.359955	N
2	IC 200-212230/6	0.170154	0.053746	10.0	1728494.0	0.315868	Y
3	IC 200-212230/15	0.425385	0.116786	10.0	2936472.0	0.274543	Y
4	IC 200-212230/8	4.249175	1.376538	10.0	1564229.0	0.323954	Y
5	ICIS 200-212230/9	9.99806	2.895998	10.0	1834269.0	0.289656	Y
6	IC 200-212230/10	15.003557	3.963676	10.0	2373991.0	0.264182	Y
7	IC 200-212230/12	19.99612	5.287332	10.0	2441500.0	0.264418	Y
8	IC 200-212230/14	39.99224	9.40945	10.0	3183201.0	0.235282	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

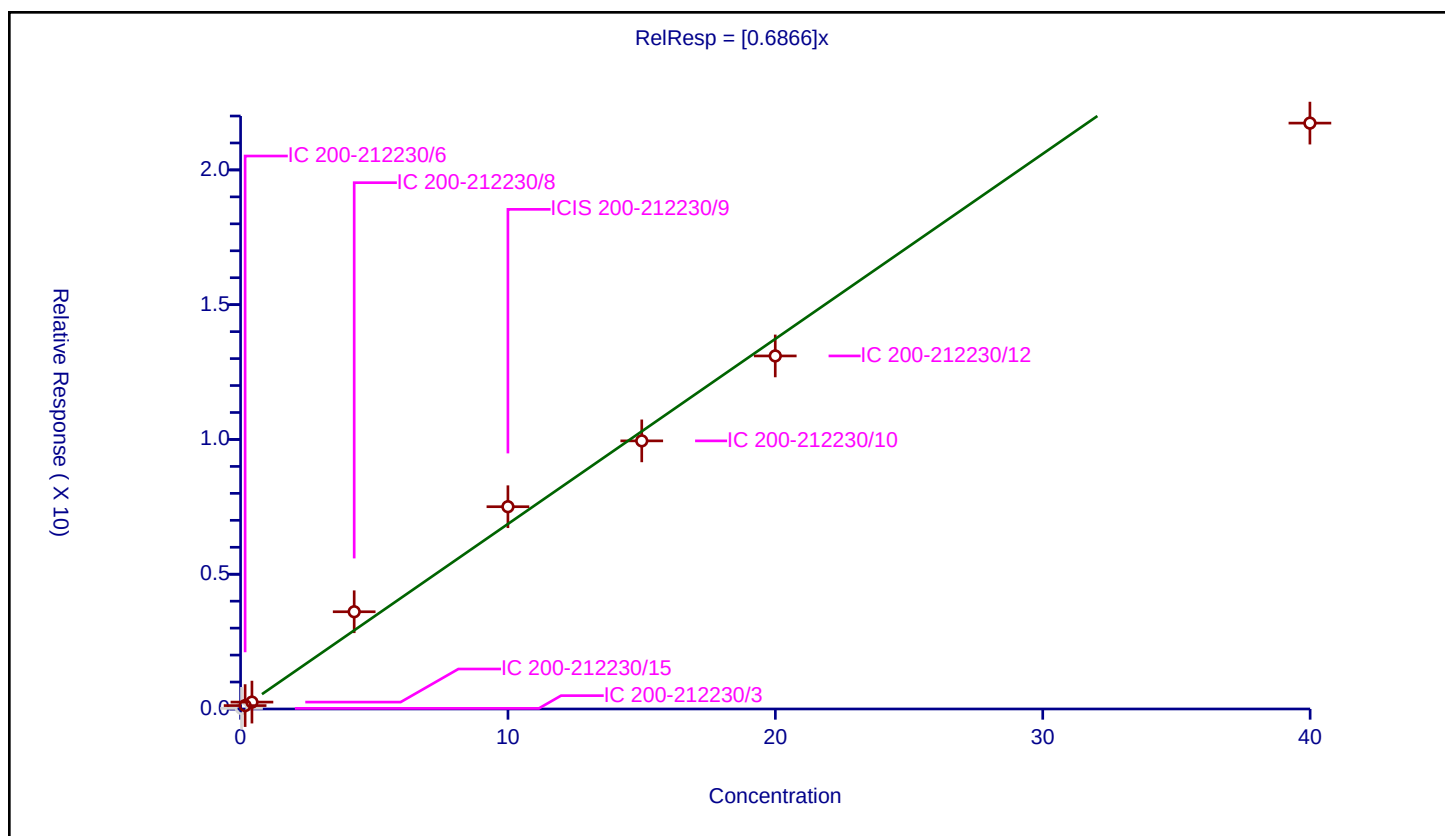
Curve Coefficients

Intercept: 0
Slope: 0.6866

Error Coefficients

Relative Standard Deviation: 15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.023516	10.0	2044175.0	0.6704	N
2	IC 200-212230/6	0.170154	0.126625	10.0	1728494.0	0.744177	Y
3	IC 200-212230/15	0.425385	0.255405	10.0	2936472.0	0.60041	Y
4	IC 200-212230/8	4.249175	3.607873	10.0	1564229.0	0.849076	Y
5	ICIS 200-212230/9	9.99806	7.505093	10.0	1834269.0	0.750655	Y
6	IC 200-212230/10	15.003557	9.947649	10.0	2373991.0	0.663019	Y
7	IC 200-212230/12	19.99612	13.098992	10.0	2441500.0	0.655077	Y
8	IC 200-212230/14	39.99224	21.737047	10.0	3183201.0	0.543532	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

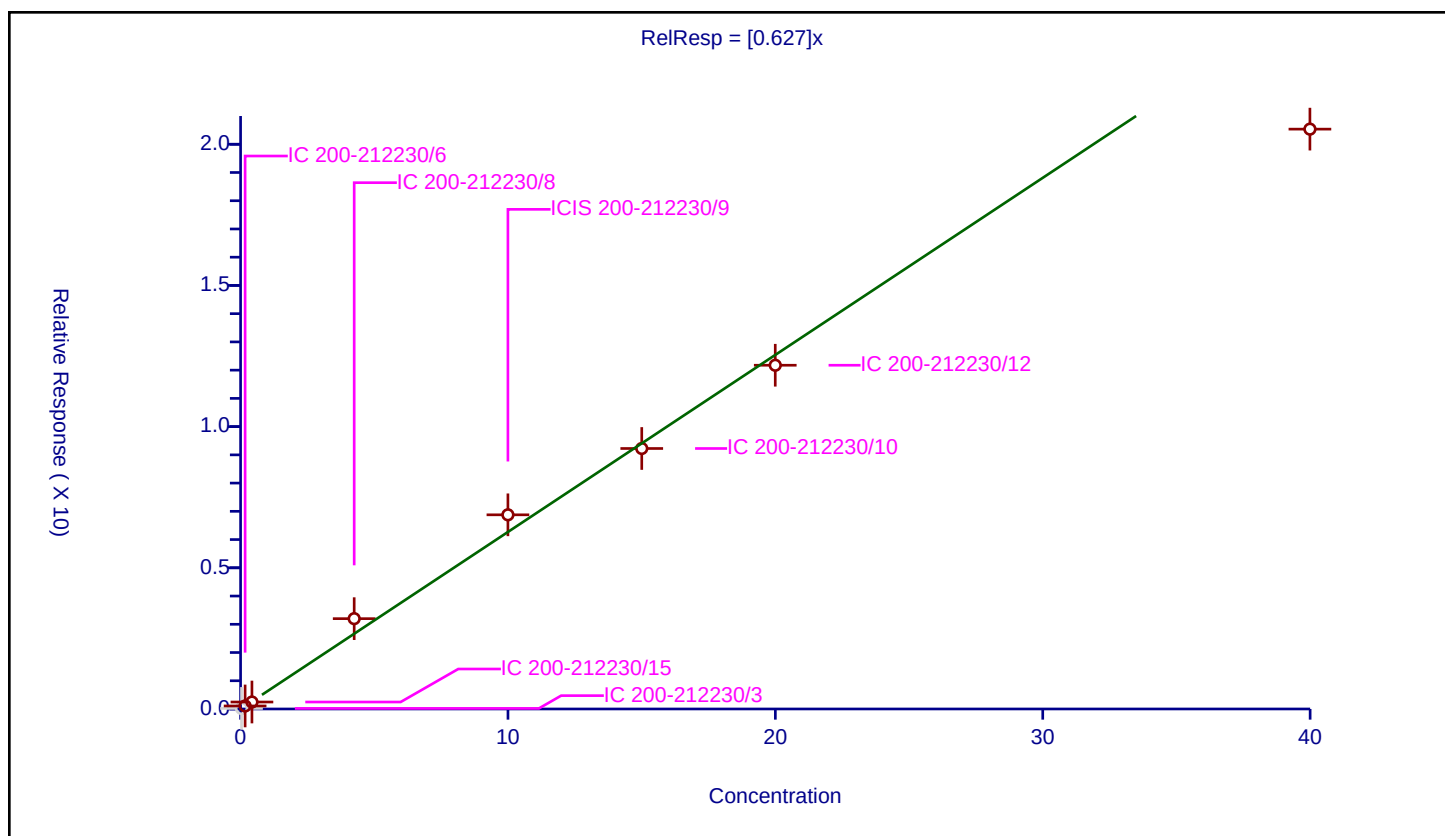
Curve Coefficients

Intercept: 0
Slope: 0.627

Error Coefficients

Relative Standard Deviation: 12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.020214	10.0	2044175.0	0.576263	N
2	IC 200-212230/6	0.170154	0.107504	10.0	1728494.0	0.631805	Y
3	IC 200-212230/15	0.425385	0.246551	10.0	2936472.0	0.579595	Y
4	IC 200-212230/8	4.249175	3.198713	10.0	1564229.0	0.752784	Y
5	ICIS 200-212230/9	9.99806	6.87669	10.0	1834269.0	0.687802	Y
6	IC 200-212230/10	15.003557	9.225473	10.0	2373991.0	0.614886	Y
7	IC 200-212230/12	19.99612	12.173488	10.0	2441500.0	0.608792	Y
8	IC 200-212230/14	39.99224	20.53542	10.0	3183201.0	0.513485	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

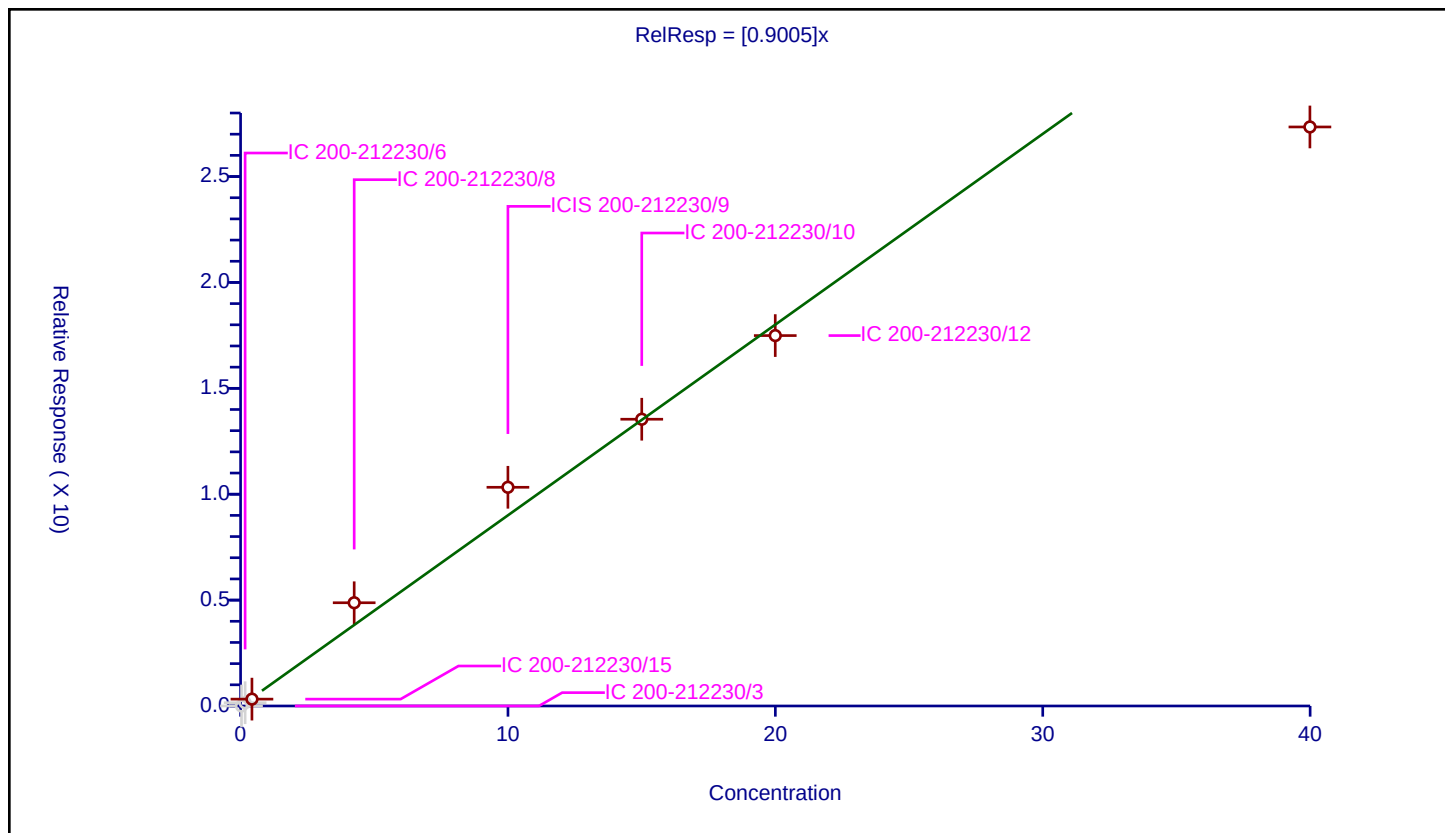
Curve Coefficients

Intercept: 0
Slope: 0.9005

Error Coefficients

Relative Standard Deviation: 18.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	2044175.0	0.0	N
2	IC 200-212230/6	0.170154	0.153804	10.0	1728494.0	0.903914	N
3	IC 200-212230/15	0.425385	0.324056	10.0	2936472.0	0.761794	Y
4	IC 200-212230/8	4.249175	4.874453	10.0	1564229.0	1.147153	Y
5	ICIS 200-212230/9	9.99806	10.327646	10.0	1834269.0	1.032965	Y
6	IC 200-212230/10	15.003557	13.540207	10.0	2373991.0	0.902466	Y
7	IC 200-212230/12	19.99612	17.490616	10.0	2441500.0	0.874701	Y
8	IC 200-212230/14	39.99224	27.341607	10.0	3183201.0	0.683673	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

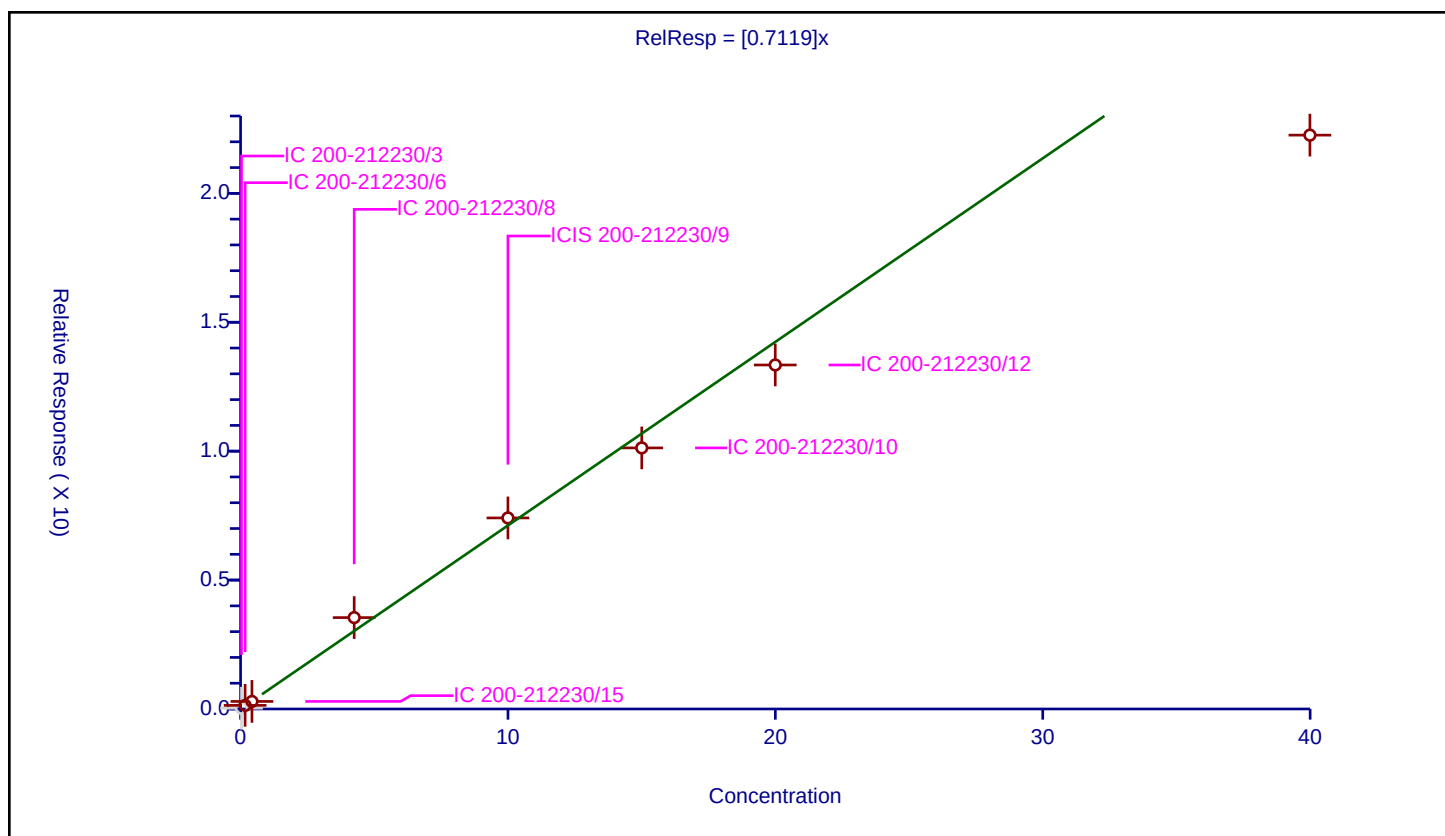
Curve Coefficients

Intercept: 0
Slope: 0.7119

Error Coefficients

Relative Standard Deviation: 13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.030635	10.0	1717646.0	0.873364	N
2	IC 200-212230/6	0.170154	0.139642	10.0	1482793.0	0.82068	Y
3	IC 200-212230/15	0.425385	0.292927	10.0	2504516.0	0.688616	Y
4	IC 200-212230/8	4.249175	3.544694	10.0	1398860.0	0.834207	Y
5	ICIS 200-212230/9	9.99806	7.410054	10.0	1654984.0	0.741149	Y
6	IC 200-212230/10	15.003557	10.12704	10.0	2104371.0	0.674976	Y
7	IC 200-212230/12	19.99612	13.343325	10.0	2175254.0	0.667296	Y
8	IC 200-212230/14	39.99224	22.258497	10.0	2907615.0	0.55657	Y



Calibration

/ n-Octane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

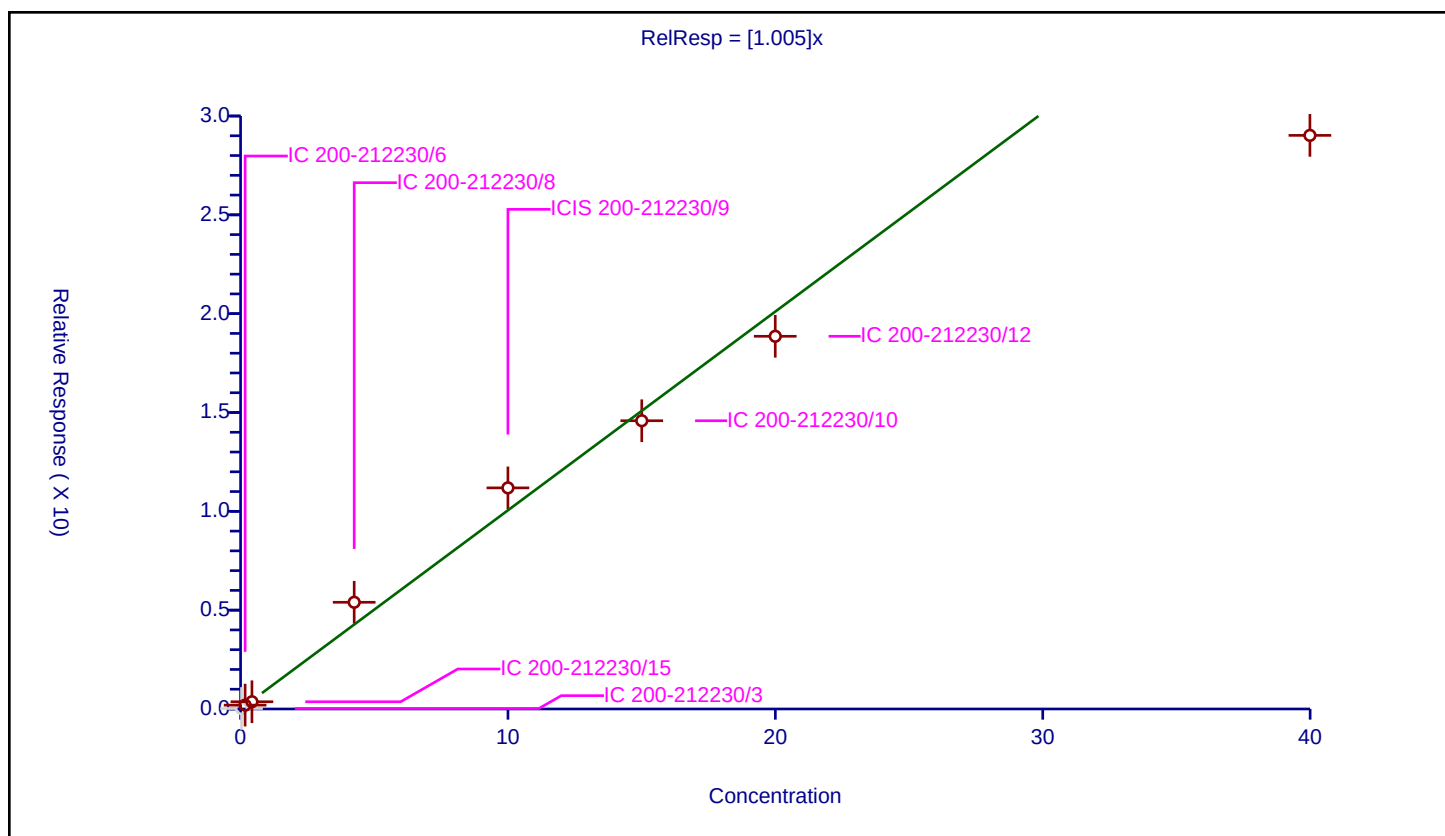
Curve Coefficients

Intercept: 0
Slope: 1.005

Error Coefficients

Relative Standard Deviation: 18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.024993	10.0	2044175.0	0.712518	N
2	IC 200-212230/6	0.170154	0.195112	10.0	1728494.0	1.14668	Y
3	IC 200-212230/15	0.425385	0.366188	10.0	2936472.0	0.860839	Y
4	IC 200-212230/8	4.249175	5.398468	10.0	1564229.0	1.270474	Y
5	ICIS 200-212230/9	9.99806	11.186914	10.0	1834269.0	1.118909	Y
6	IC 200-212230/10	15.003557	14.583038	10.0	2373991.0	0.971972	Y
7	IC 200-212230/12	19.99612	18.856543	10.0	2441500.0	0.94301	Y
8	IC 200-212230/14	39.99224	29.019927	10.0	3183201.0	0.725639	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

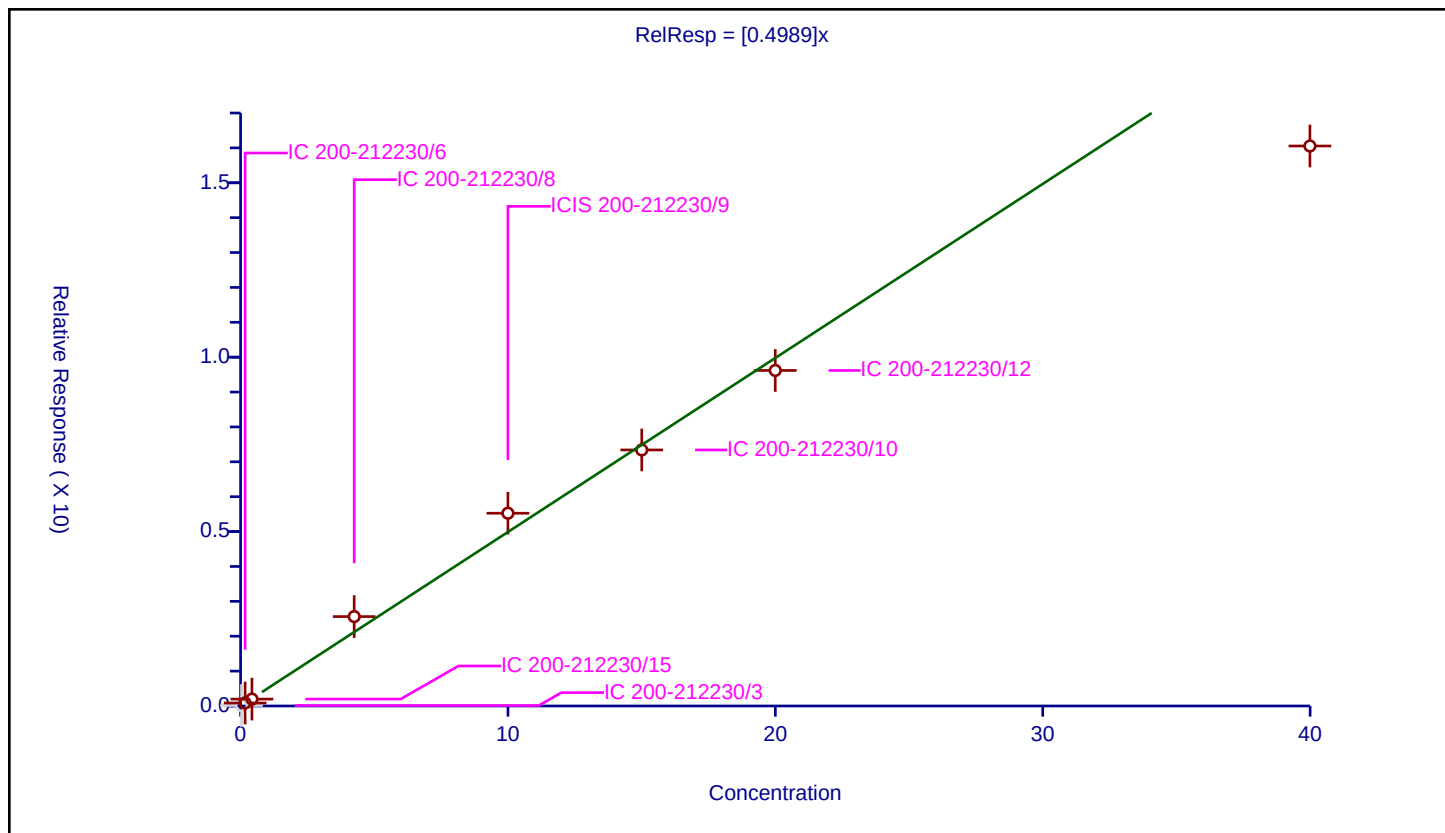
Curve Coefficients

Intercept: 0
Slope: 0.4989

Error Coefficients

Relative Standard Deviation: 12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.013932	10.0	2044175.0	0.397192	N
2	IC 200-212230/6	0.170154	0.085224	10.0	1728494.0	0.500867	Y
3	IC 200-212230/15	0.425385	0.197247	10.0	2936472.0	0.463691	Y
4	IC 200-212230/8	4.249175	2.563359	10.0	1564229.0	0.60326	Y
5	ICIS 200-212230/9	9.99806	5.526469	10.0	1834269.0	0.552754	Y
6	IC 200-212230/10	15.003557	7.340394	10.0	2373991.0	0.489244	Y
7	IC 200-212230/12	19.99612	9.619111	10.0	2441500.0	0.481049	Y
8	IC 200-212230/14	39.99224	16.054142	10.0	3183201.0	0.401431	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

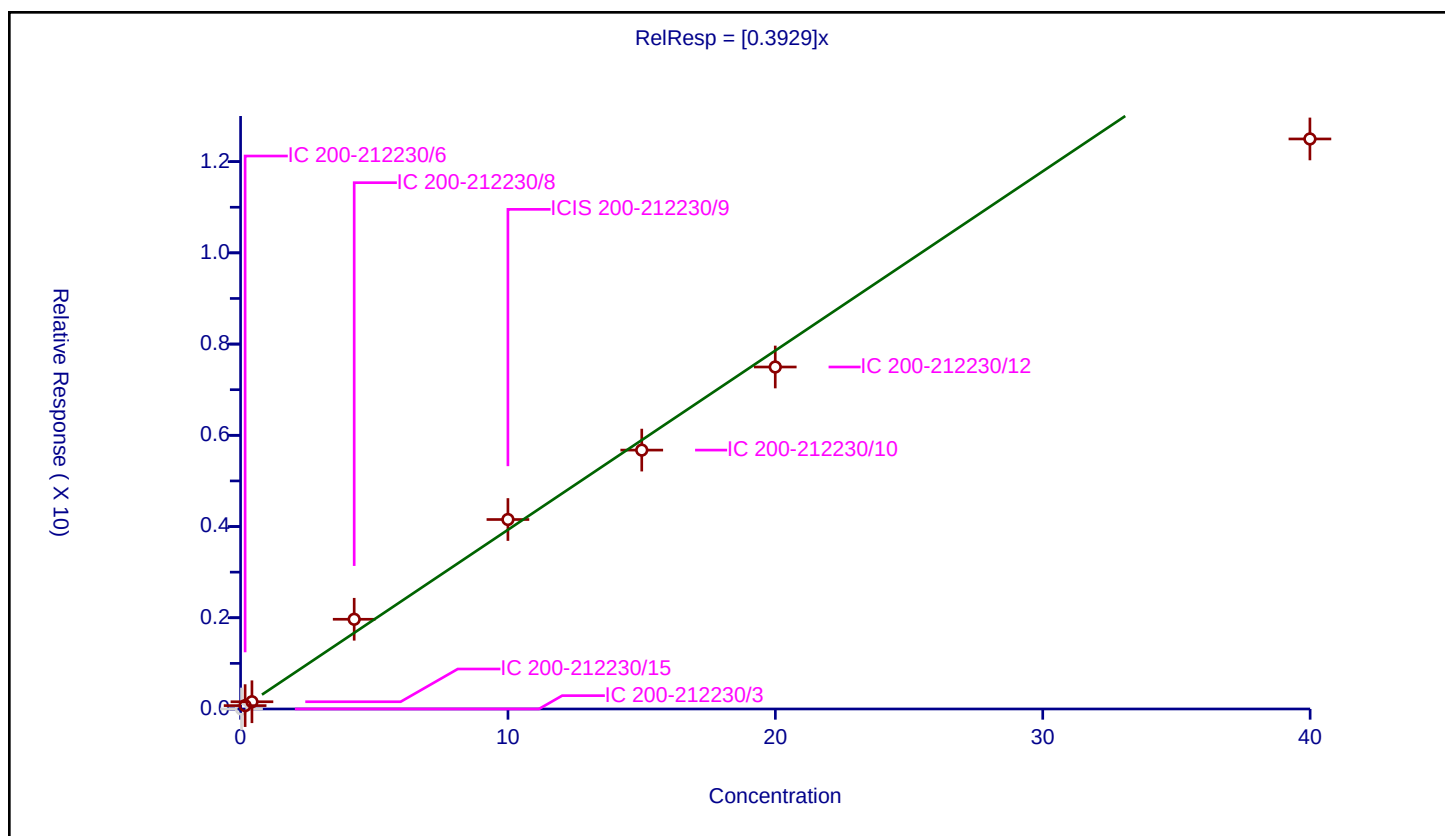
Curve Coefficients

Intercept: 0
Slope: 0.3929

Error Coefficients

Relative Standard Deviation: 12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.170154	0.073706	10.0	1482793.0	0.43317	Y
3	IC 200-212230/15	0.425385	0.158741	10.0	2504516.0	0.373171	Y
4	IC 200-212230/8	4.249175	1.966716	10.0	1398860.0	0.462846	Y
5	ICIS 200-212230/9	9.99806	4.154064	10.0	1654984.0	0.415487	Y
6	IC 200-212230/10	15.003557	5.675544	10.0	2104371.0	0.37828	Y
7	IC 200-212230/12	19.99612	7.497318	10.0	2175254.0	0.374939	Y
8	IC 200-212230/14	39.99224	12.497277	10.0	2907615.0	0.312493	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

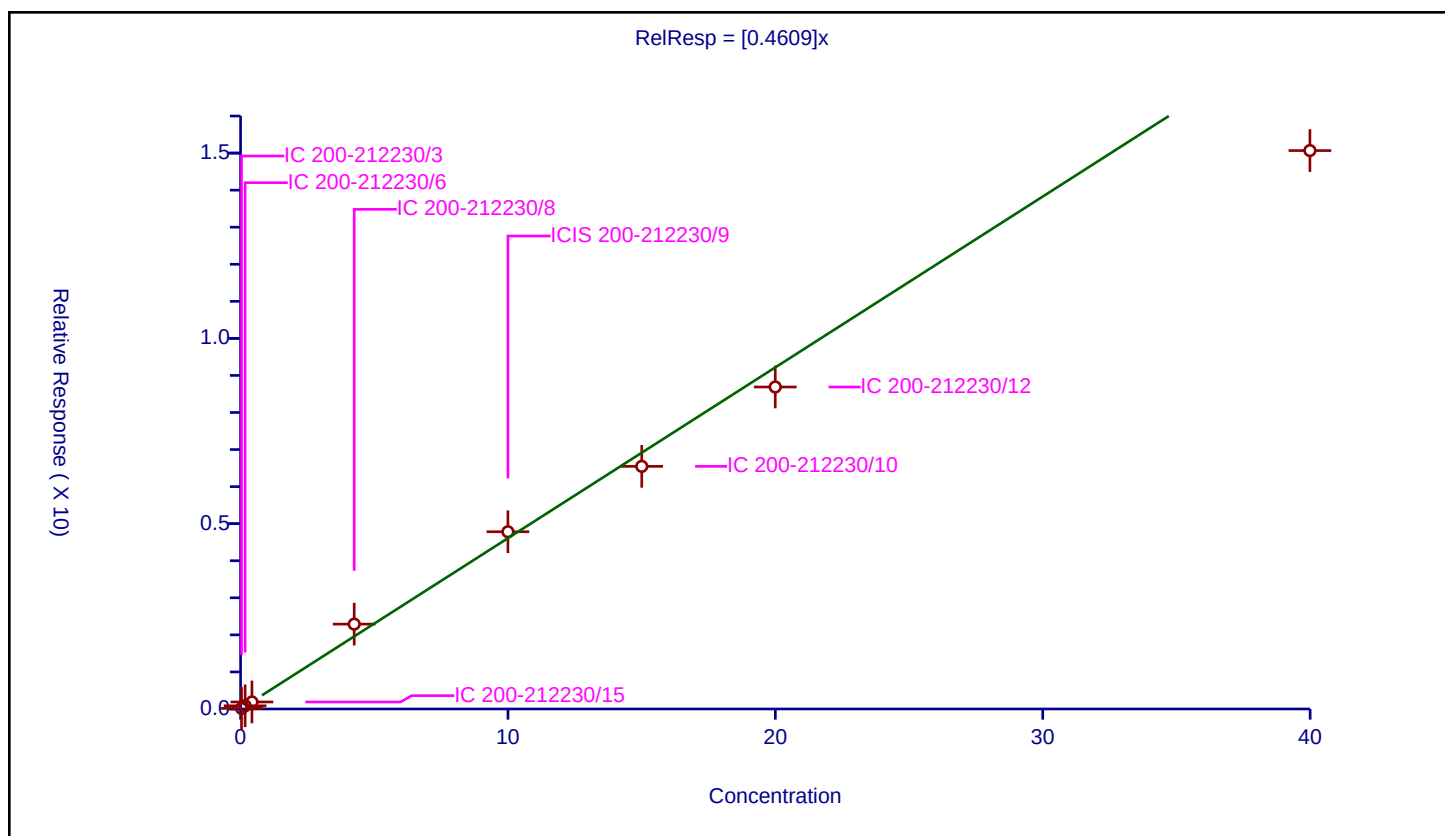
Curve Coefficients

Intercept: 0
Slope: 0.4609

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.016494	10.0	1717646.0	0.470209	Y
2	IC 200-212230/6	0.170154	0.086283	10.0	1482793.0	0.507089	Y
3	IC 200-212230/15	0.425385	0.189294	10.0	2504516.0	0.444995	Y
4	IC 200-212230/8	4.249175	2.290272	10.0	1398860.0	0.538992	Y
5	ICIS 200-212230/9	9.99806	4.782294	10.0	1654984.0	0.478322	Y
6	IC 200-212230/10	15.003557	6.546792	10.0	2104371.0	0.436349	Y
7	IC 200-212230/12	19.99612	8.687923	10.0	2175254.0	0.43448	Y
8	IC 200-212230/14	39.99224	15.067834	10.0	2907615.0	0.376769	Y



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

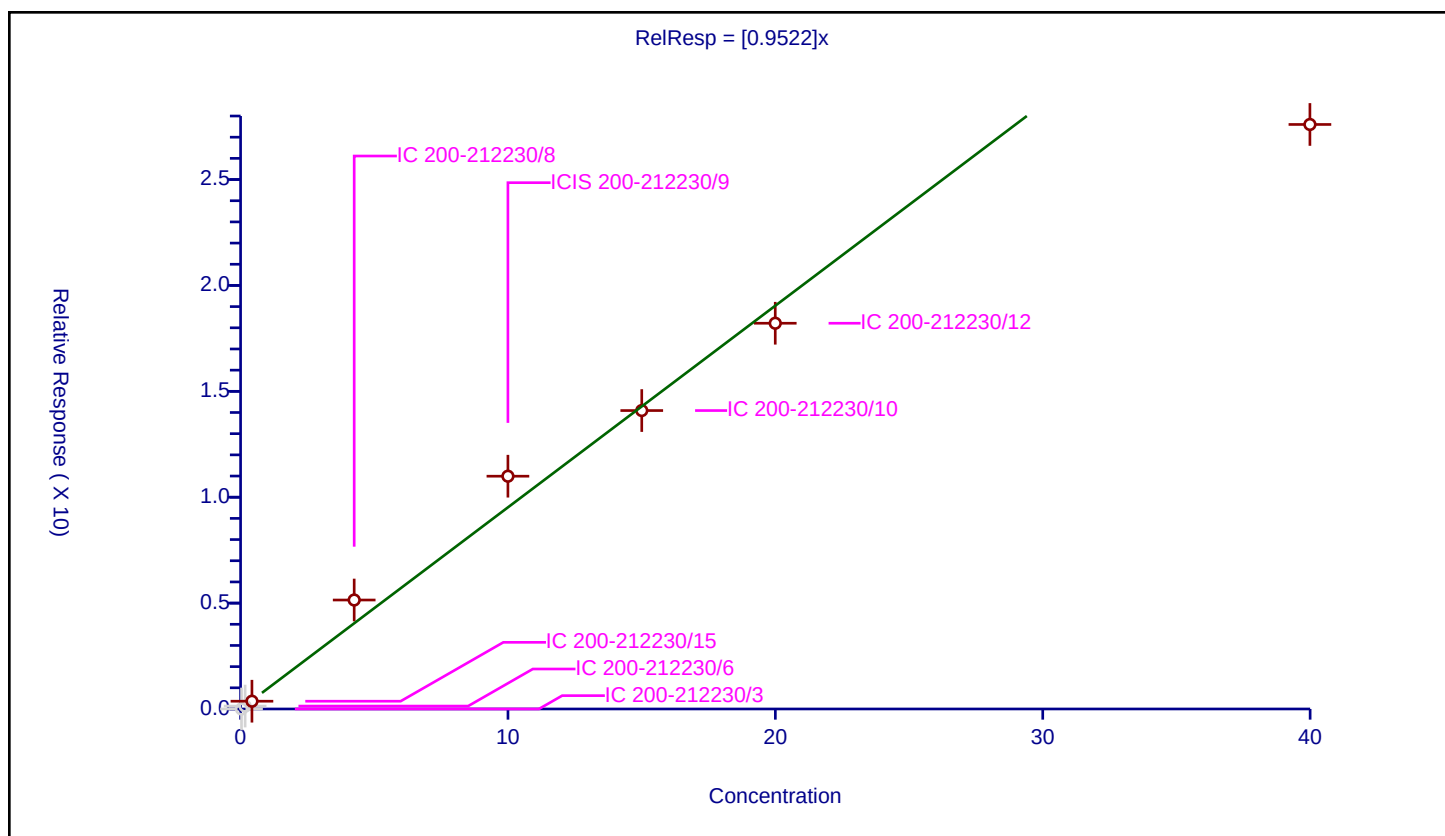
Curve Coefficients

Intercept: 0
Slope: 0.9522

Error Coefficients

Relative Standard Deviation: 19.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.170154	0.13743	10.0	1482793.0	0.80768	N
3	IC 200-212230/15	0.425385	0.366845	10.0	2504516.0	0.862385	Y
4	IC 200-212230/8	4.249175	5.146126	10.0	1398860.0	1.211088	Y
5	ICIS 200-212230/9	9.99806	10.992118	10.0	1654984.0	1.099425	Y
6	IC 200-212230/10	15.003557	14.092168	10.0	2104371.0	0.939255	Y
7	IC 200-212230/12	19.99612	18.214604	10.0	2175254.0	0.910907	Y
8	IC 200-212230/14	39.99224	27.600463	10.0	2907615.0	0.690145	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

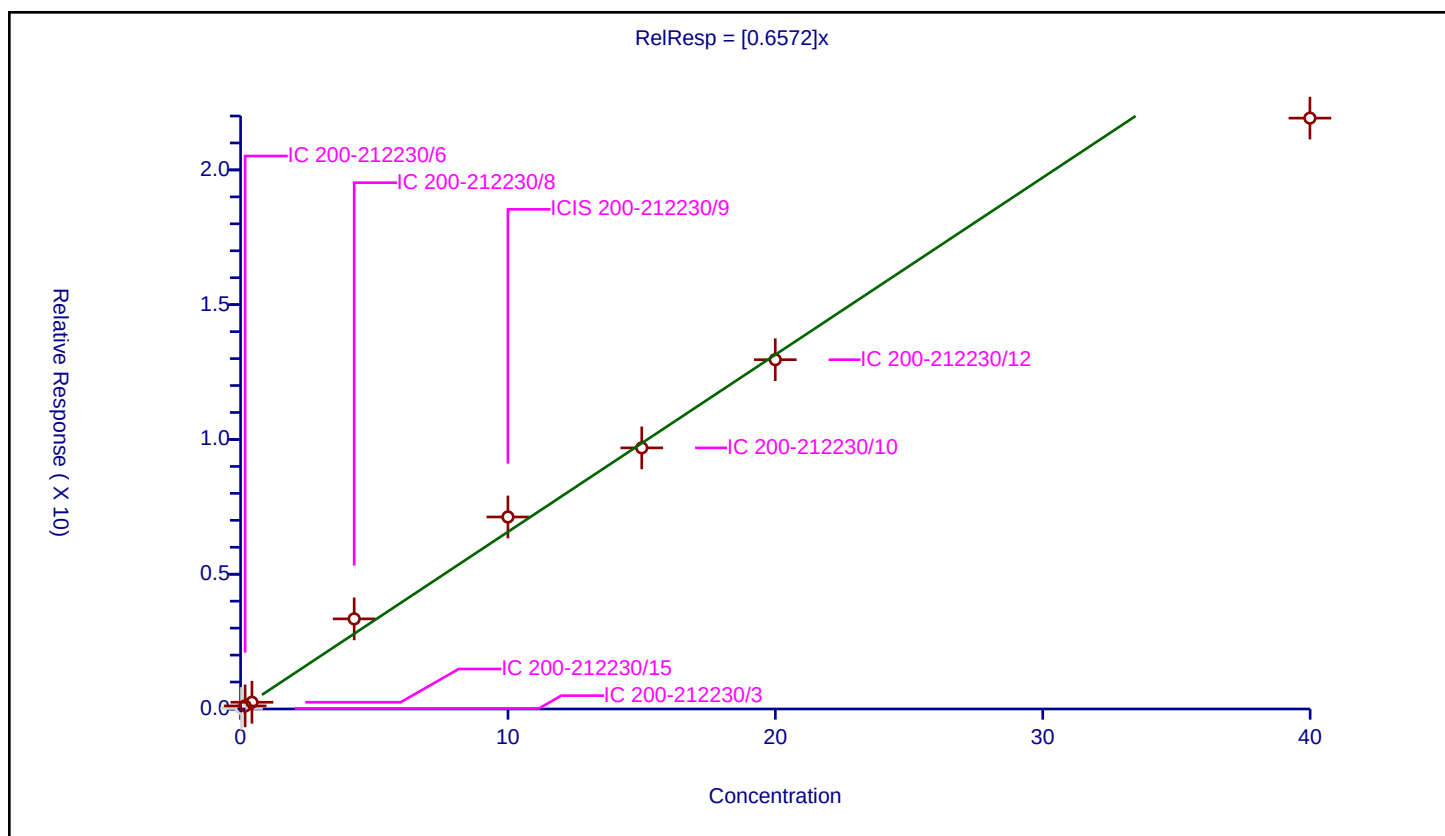
Curve Coefficients

Intercept: 0
Slope: 0.6572

Error Coefficients

Relative Standard Deviation: 12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.019271	10.0	1717646.0	0.54938	N
2	IC 200-212230/6	0.170154	0.11448	10.0	1482793.0	0.672802	Y
3	IC 200-212230/15	0.425385	0.249481	10.0	2504516.0	0.586484	Y
4	IC 200-212230/8	4.249175	3.343565	10.0	1398860.0	0.786874	Y
5	ICIS 200-212230/9	9.99806	7.123543	10.0	1654984.0	0.712493	Y
6	IC 200-212230/10	15.003557	9.687113	10.0	2104371.0	0.645654	Y
7	IC 200-212230/12	19.99612	12.959383	10.0	2175254.0	0.648095	Y
8	IC 200-212230/14	39.99224	21.922318	10.0	2907615.0	0.548164	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

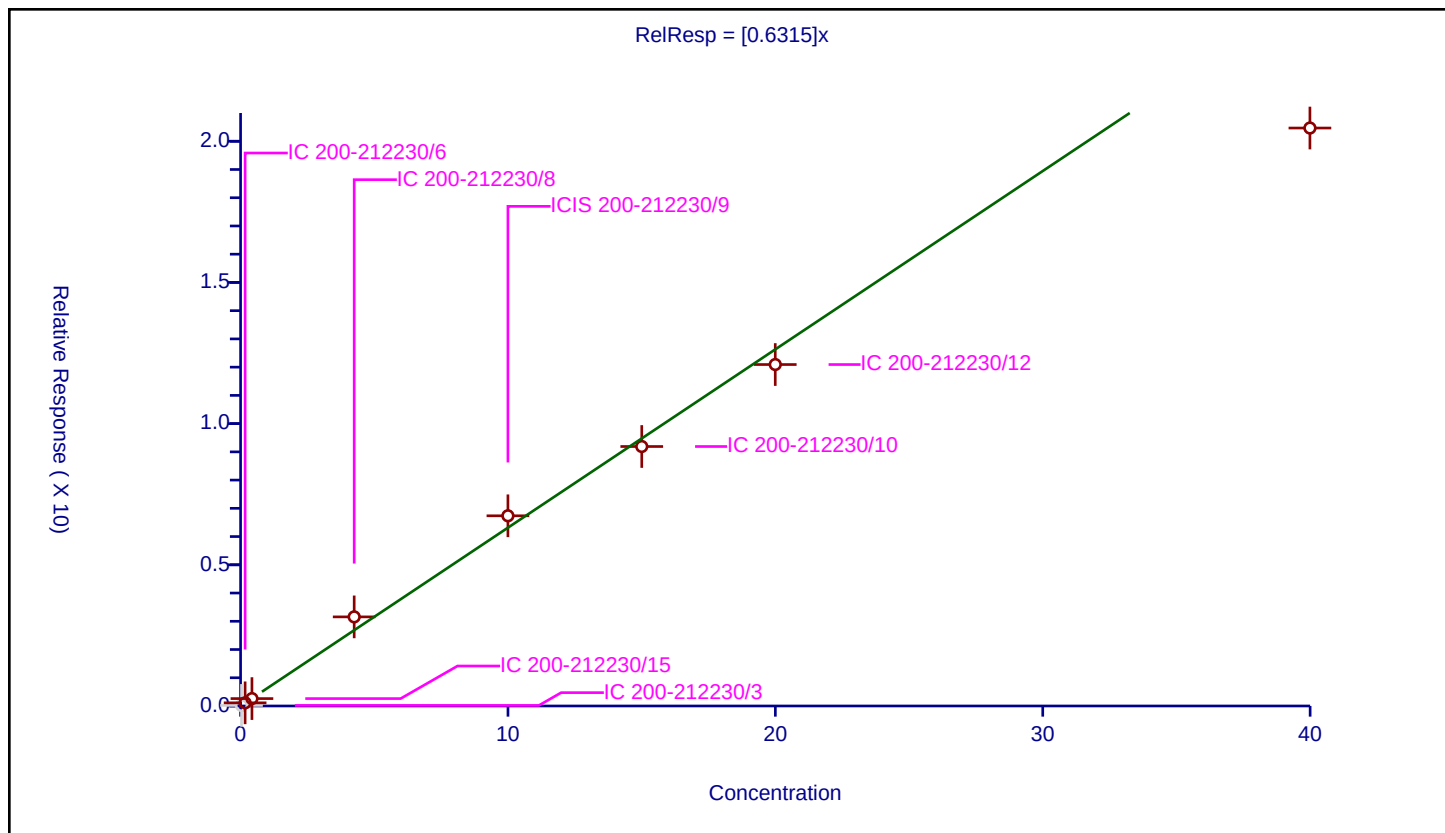
Curve Coefficients

Intercept: 0
 Slope: 0.6315

Error Coefficients

Relative Standard Deviation: 11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.020452	10.0	1717646.0	0.583073	N
2	IC 200-212230/6	0.170154	0.112066	10.0	1482793.0	0.658613	Y
3	IC 200-212230/15	0.425385	0.262234	10.0	2504516.0	0.616464	Y
4	IC 200-212230/8	4.249175	3.156056	10.0	1398860.0	0.742745	Y
5	ICIS 200-212230/9	9.99806	6.735437	10.0	1654984.0	0.673674	Y
6	IC 200-212230/10	15.003557	9.189577	10.0	2104371.0	0.612493	Y
7	IC 200-212230/12	19.99612	12.09245	10.0	2175254.0	0.60474	Y
8	IC 200-212230/14	39.99224	20.468645	10.0	2907615.0	0.511815	Y



Calibration

/ Chlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

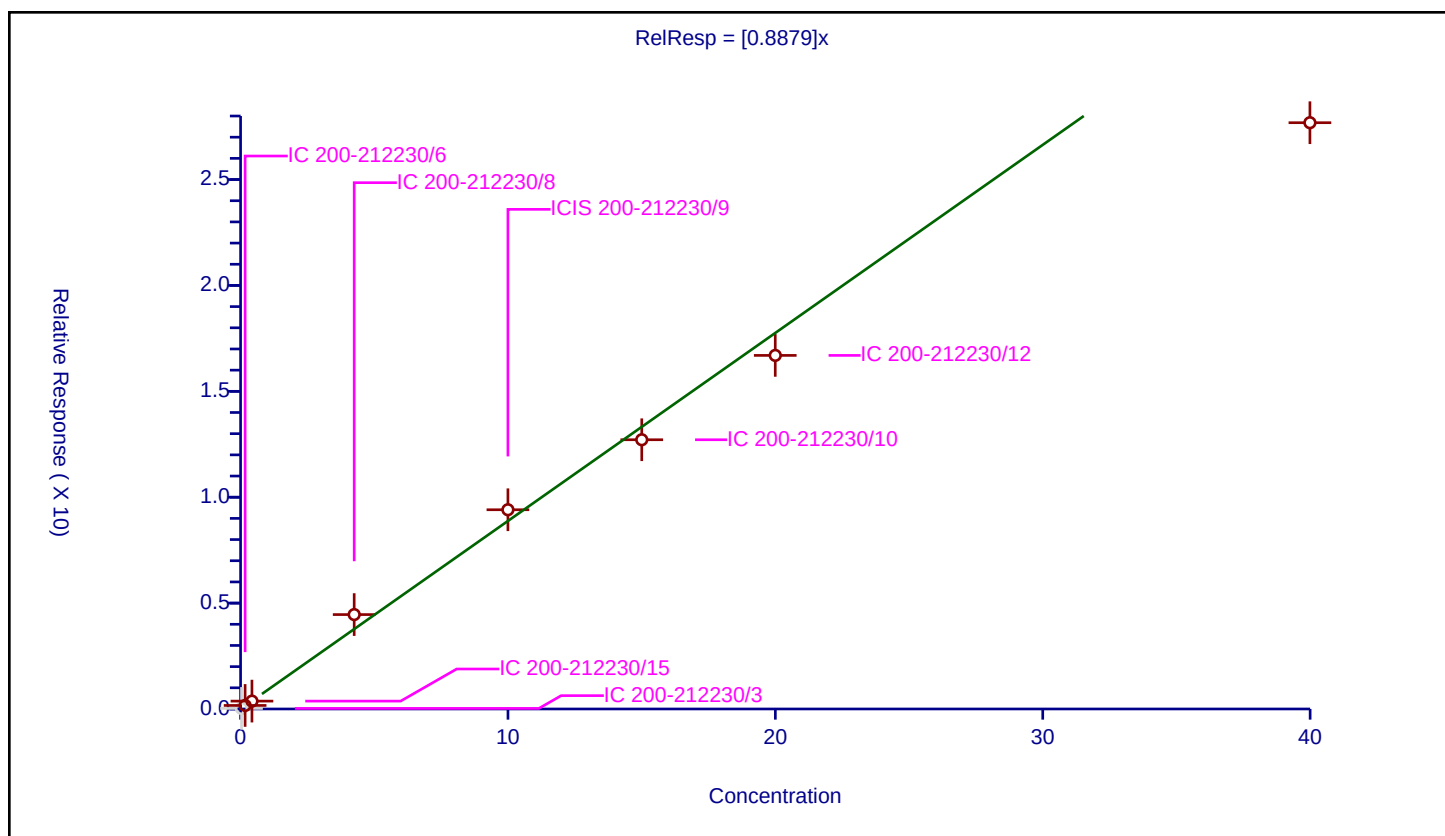
Curve Coefficients

Intercept: 0
Slope: 0.8879

Error Coefficients

Relative Standard Deviation: 13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.027101	10.0	1717646.0	0.772617	N
2	IC 200-212230/6	0.170154	0.166247	10.0	1482793.0	0.97704	Y
3	IC 200-212230/15	0.425385	0.371573	10.0	2504516.0	0.873498	Y
4	IC 200-212230/8	4.249175	4.458573	10.0	1398860.0	1.04928	Y
5	ICIS 200-212230/9	9.99806	9.408308	10.0	1654984.0	0.941013	Y
6	IC 200-212230/10	15.003557	12.713167	10.0	2104371.0	0.847344	Y
7	IC 200-212230/12	19.99612	16.696413	10.0	2175254.0	0.834983	Y
8	IC 200-212230/14	39.99224	27.684405	10.0	2907615.0	0.692244	Y



Calibration

/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

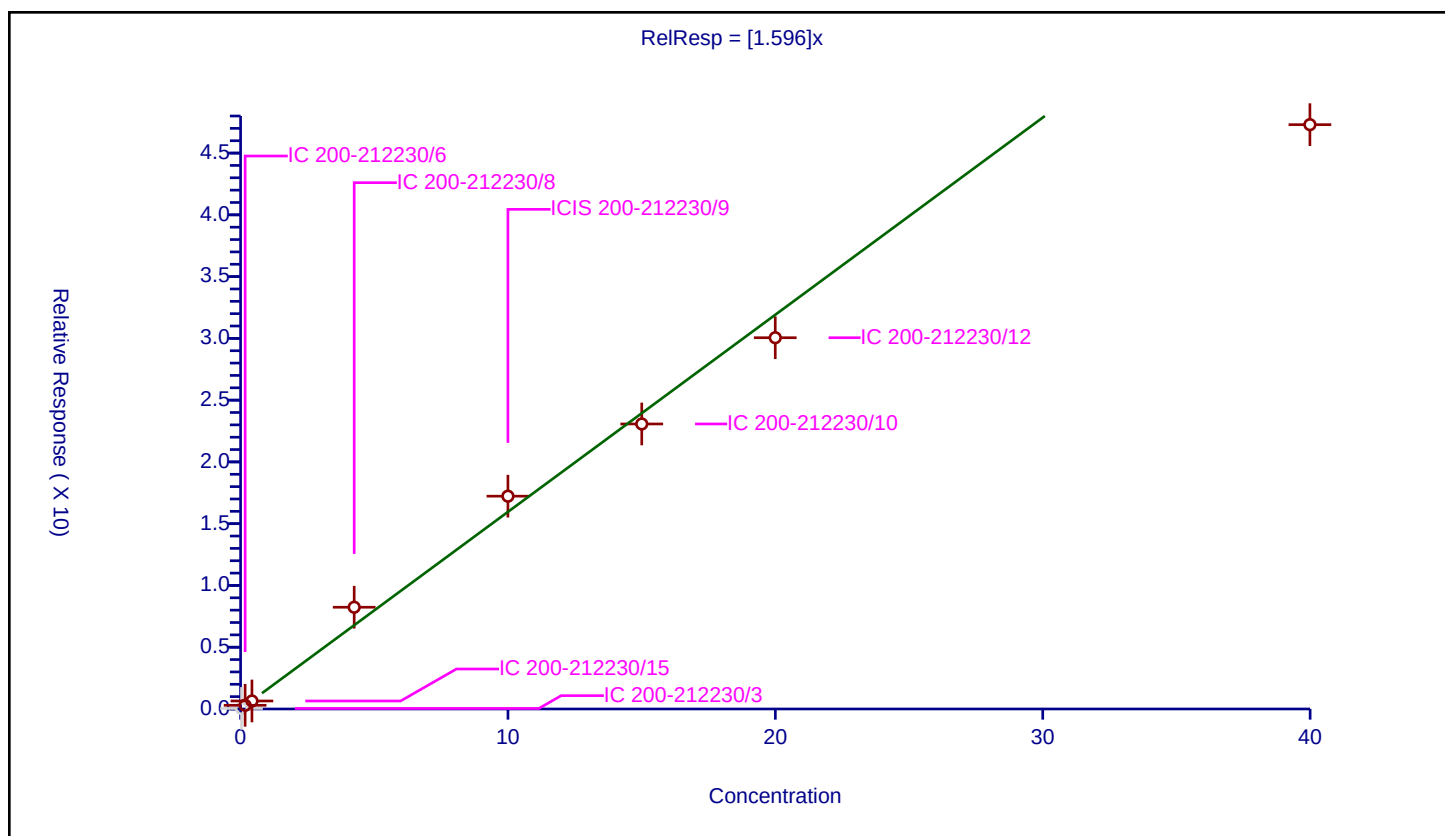
Curve Coefficients

Intercept: 0
Slope: 1.596

Error Coefficients

Relative Standard Deviation: 15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.045021	10.0	1717646.0	1.28349	N
2	IC 200-212230/6	0.170154	0.299293	10.0	1482793.0	1.758957	Y
3	IC 200-212230/15	0.425385	0.649343	10.0	2504516.0	1.526484	Y
4	IC 200-212230/8	4.249175	8.236886	10.0	1398860.0	1.938467	Y
5	ICIS 200-212230/9	9.99806	17.22613	10.0	1654984.0	1.722947	Y
6	IC 200-212230/10	15.003557	23.071702	10.0	2104371.0	1.537749	Y
7	IC 200-212230/12	19.99612	30.053456	10.0	2175254.0	1.502964	Y
8	IC 200-212230/14	39.99224	47.301139	10.0	2907615.0	1.182758	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

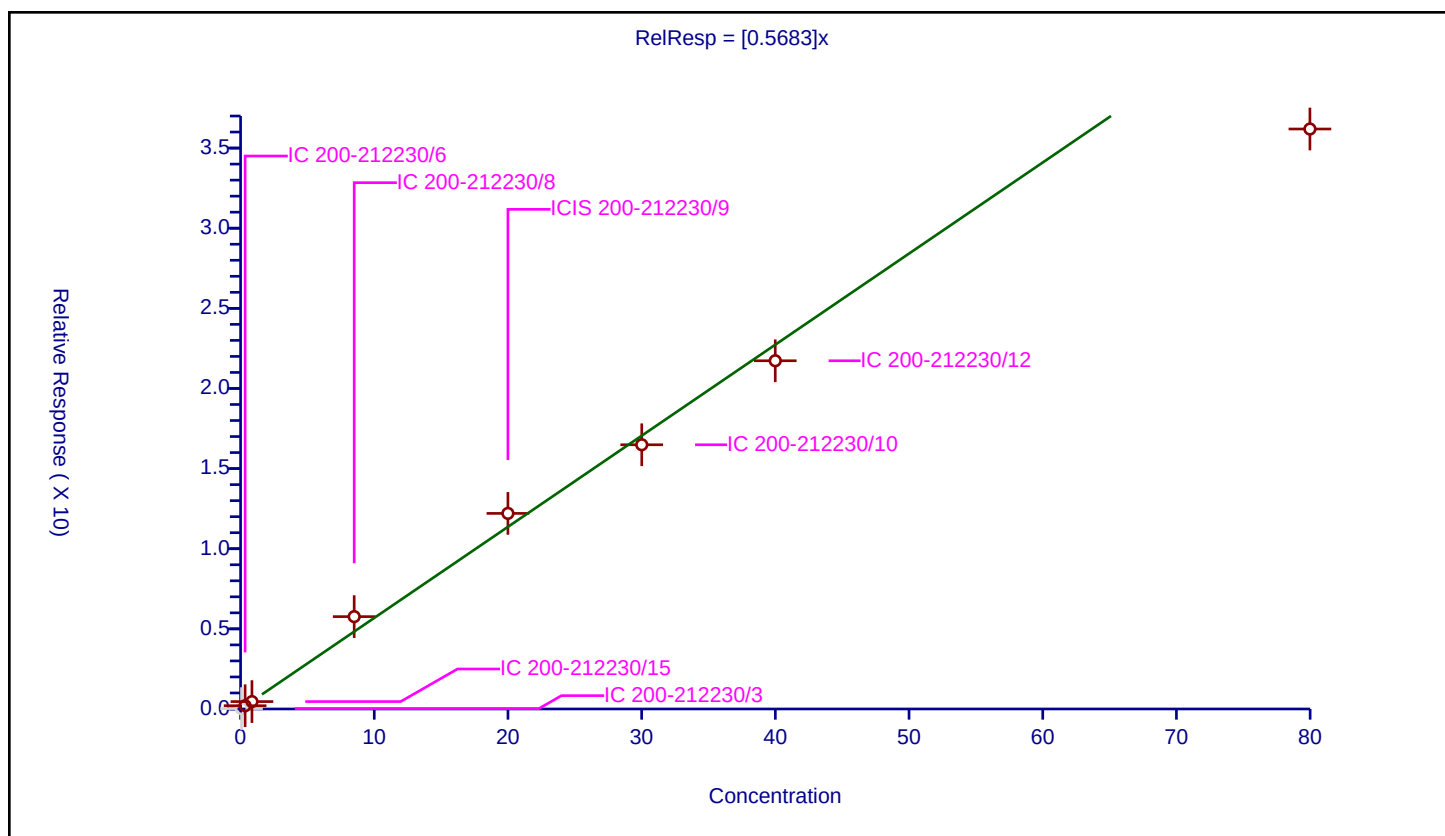
Curve Coefficients

Intercept: 0
Slope: 0.5683

Error Coefficients

Relative Standard Deviation: 12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.070154	0.024656	10.0	1717646.0	0.351454	N
2	IC 200-212230/6	0.340308	0.20458	10.0	1482793.0	0.601162	Y
3	IC 200-212230/15	0.850769	0.462429	10.0	2504516.0	0.543542	Y
4	IC 200-212230/8	8.498351	5.762356	10.0	1398860.0	0.678056	Y
5	ICIS 200-212230/9	19.99612	12.204843	10.0	1654984.0	0.610361	Y
6	IC 200-212230/10	30.007114	16.487444	10.0	2104371.0	0.549451	Y
7	IC 200-212230/12	39.99224	21.72881	10.0	2175254.0	0.543326	Y
8	IC 200-212230/14	79.984479	36.189097	10.0	2907615.0	0.452451	Y



Calibration

/ n-Nonane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

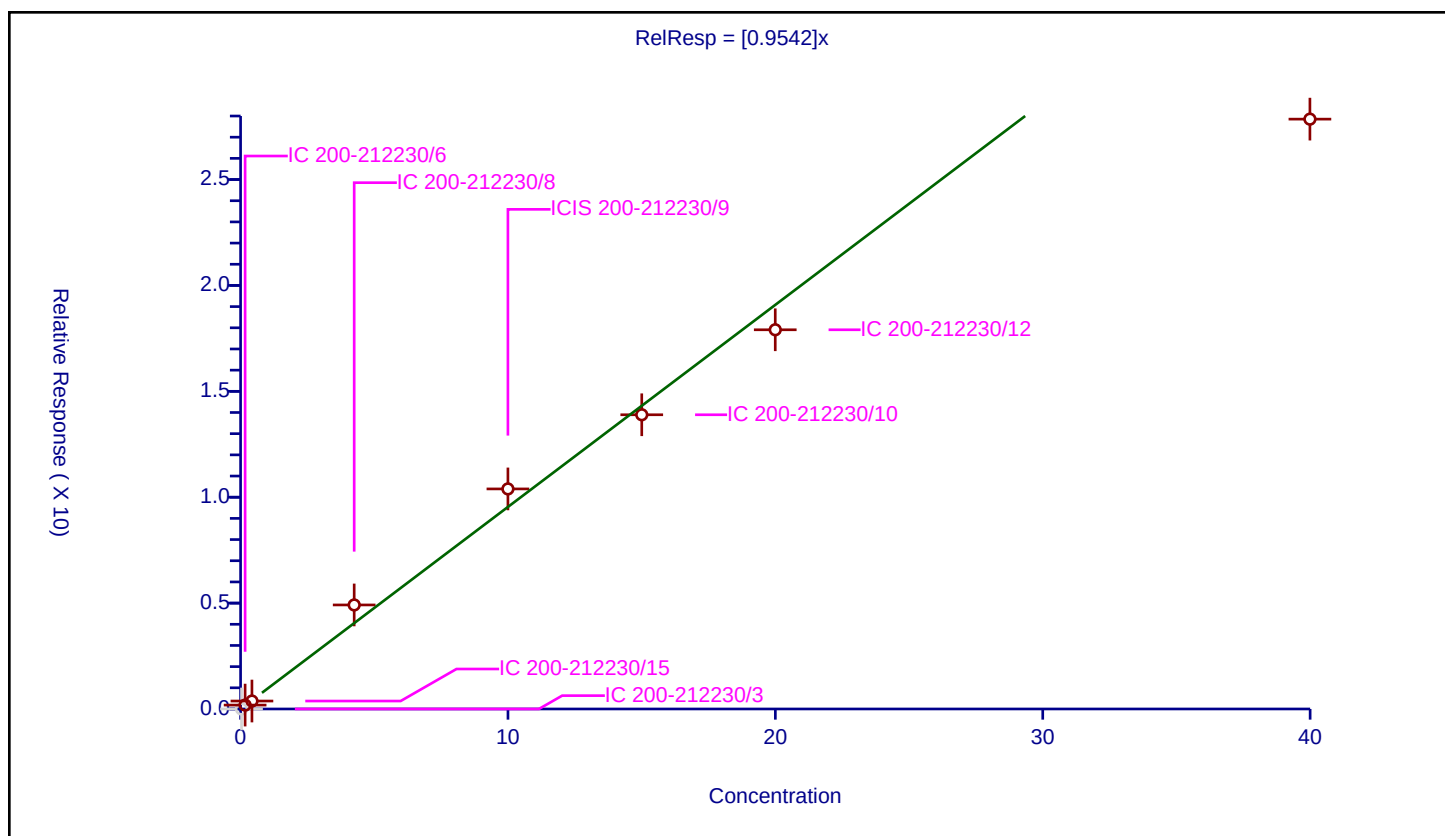
Curve Coefficients

Intercept: 0
 Slope: 0.9542

Error Coefficients

Relative Standard Deviation: 16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.170154	0.183957	10.0	1482793.0	1.081121	Y
3	IC 200-212230/15	0.425385	0.376468	10.0	2504516.0	0.885006	Y
4	IC 200-212230/8	4.249175	4.912514	10.0	1398860.0	1.15611	Y
5	ICIS 200-212230/9	9.99806	10.391103	10.0	1654984.0	1.039312	Y
6	IC 200-212230/10	15.003557	13.893601	10.0	2104371.0	0.92602	Y
7	IC 200-212230/12	19.99612	17.906033	10.0	2175254.0	0.895475	Y
8	IC 200-212230/14	39.99224	27.852467	10.0	2907615.0	0.696447	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

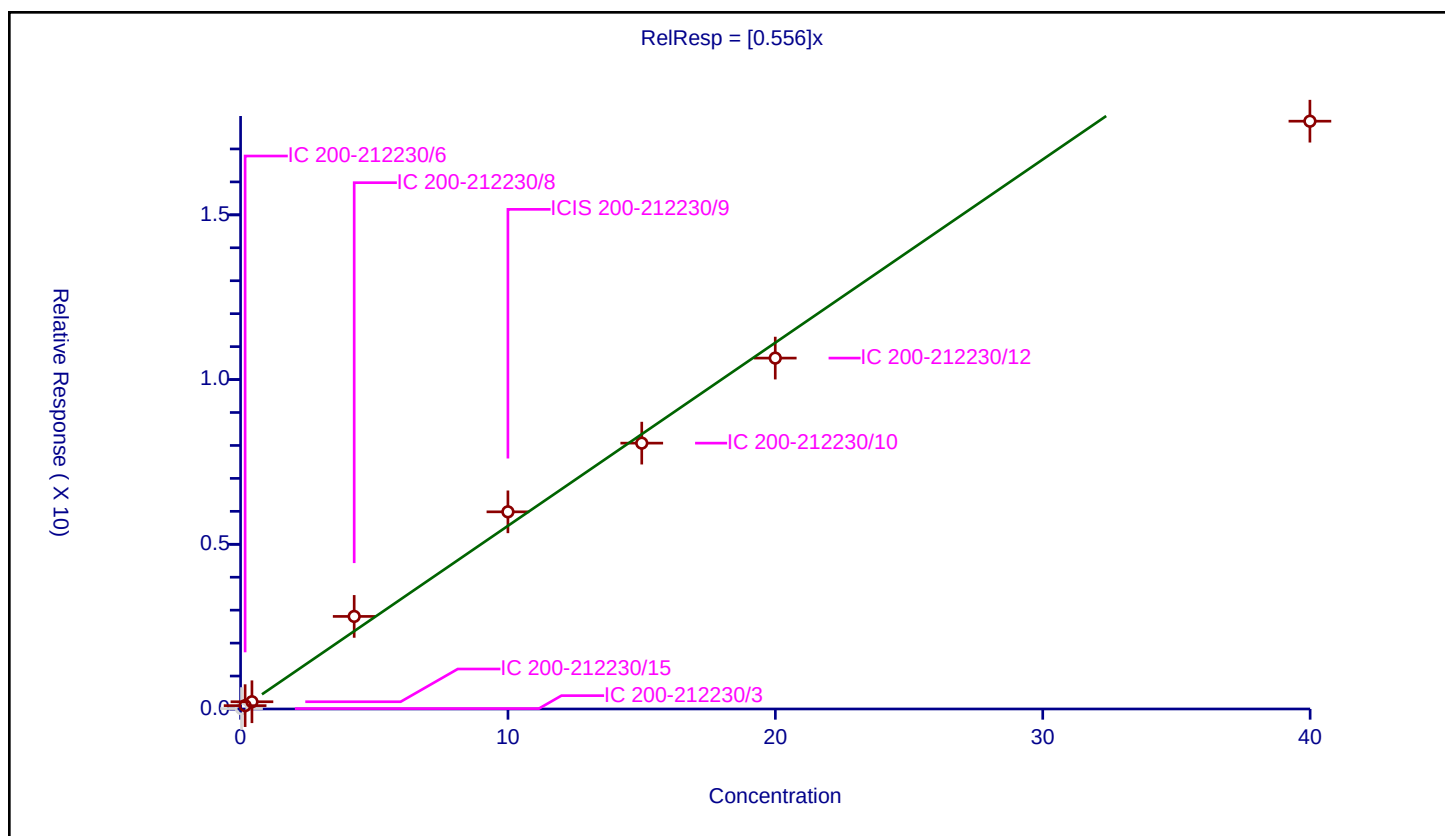
Curve Coefficients

Intercept: 0
Slope: 0.556

Error Coefficients

Relative Standard Deviation: 12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.012832	10.0	1717646.0	0.365811	N
2	IC 200-212230/6	0.170154	0.101855	10.0	1482793.0	0.598606	Y
3	IC 200-212230/15	0.425385	0.219863	10.0	2504516.0	0.516856	Y
4	IC 200-212230/8	4.249175	2.809888	10.0	1398860.0	0.661278	Y
5	ICIS 200-212230/9	9.99806	5.985212	10.0	1654984.0	0.598637	Y
6	IC 200-212230/10	15.003557	8.070397	10.0	2104371.0	0.537899	Y
7	IC 200-212230/12	19.99612	10.651745	10.0	2175254.0	0.532691	Y
8	IC 200-212230/14	39.99224	17.842706	10.0	2907615.0	0.446154	Y



Calibration

/ Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

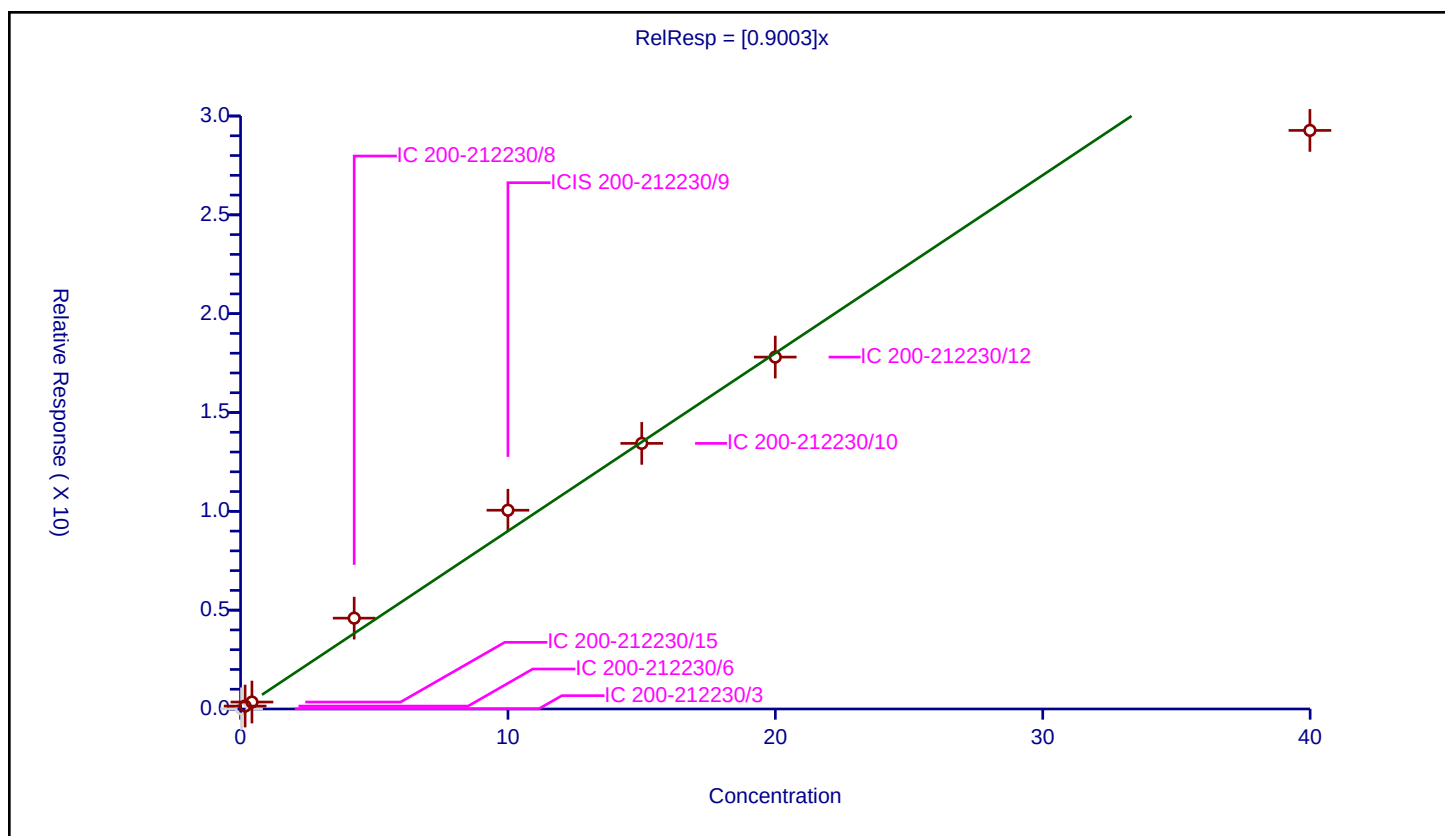
Curve Coefficients

Intercept: 0
Slope: 0.9003

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.009717	10.0	1717646.0	0.277014	N
2	IC 200-212230/6	0.170154	0.147903	10.0	1482793.0	0.869233	Y
3	IC 200-212230/15	0.425385	0.351996	10.0	2504516.0	0.827477	Y
4	IC 200-212230/8	4.249175	4.595413	10.0	1398860.0	1.081484	Y
5	ICIS 200-212230/9	9.99806	10.055801	10.0	1654984.0	1.005775	Y
6	IC 200-212230/10	15.003557	13.437916	10.0	2104371.0	0.895649	Y
7	IC 200-212230/12	19.99612	17.803401	10.0	2175254.0	0.890343	Y
8	IC 200-212230/14	39.99224	29.271932	10.0	2907615.0	0.73194	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

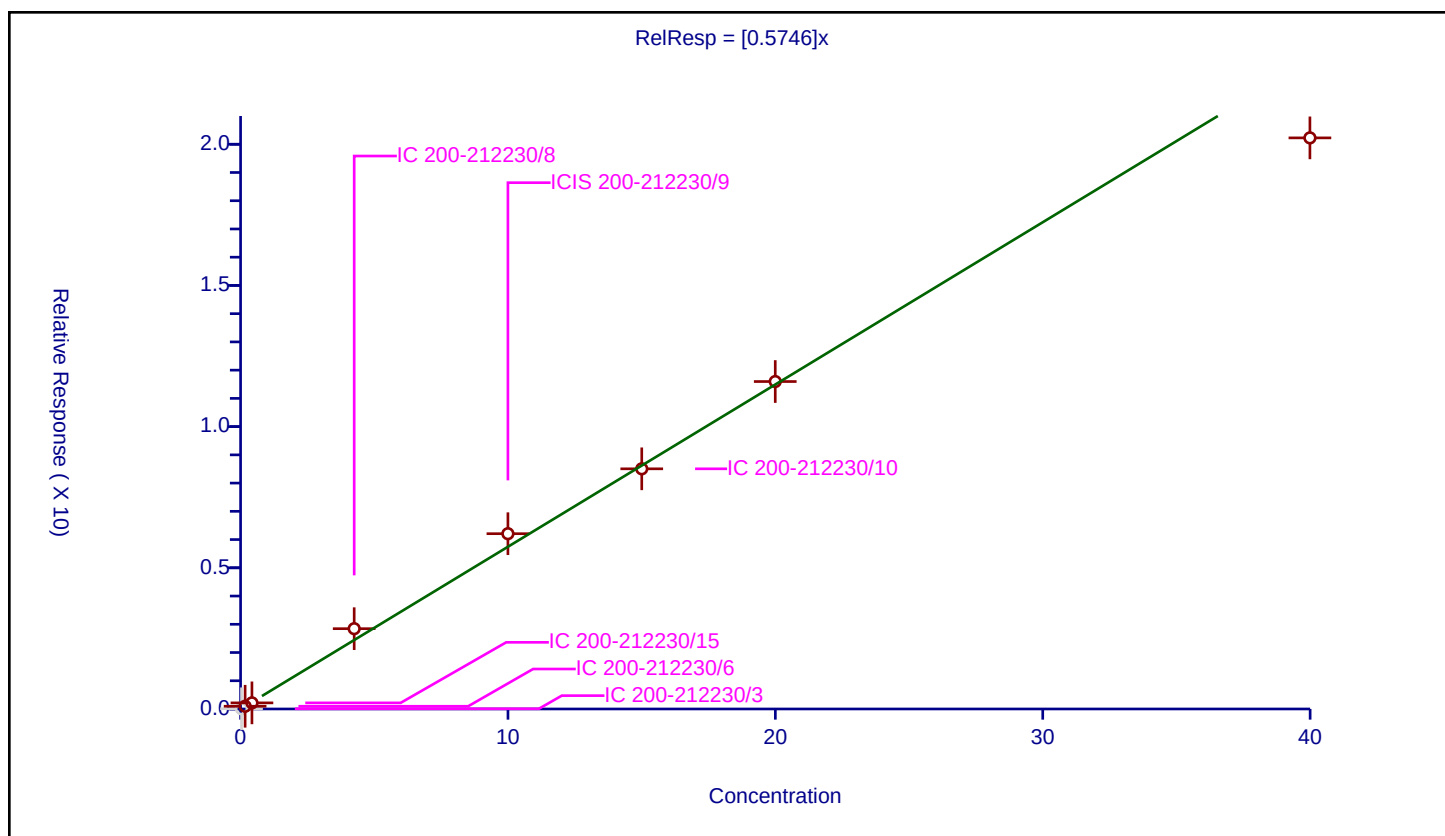
Curve Coefficients

Intercept: 0
Slope: 0.5746

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.008226	10.0	1717646.0	0.234524	N
2	IC 200-212230/6	0.170154	0.097094	10.0	1482793.0	0.570623	Y
3	IC 200-212230/15	0.425385	0.216397	10.0	2504516.0	0.508709	Y
4	IC 200-212230/8	4.249175	2.844023	10.0	1398860.0	0.669312	Y
5	ICIS 200-212230/9	9.99806	6.208018	10.0	1654984.0	0.620922	Y
6	IC 200-212230/10	15.003557	8.505473	10.0	2104371.0	0.566897	Y
7	IC 200-212230/12	19.99612	11.596917	10.0	2175254.0	0.579958	Y
8	IC 200-212230/14	39.99224	20.225965	10.0	2907615.0	0.505747	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

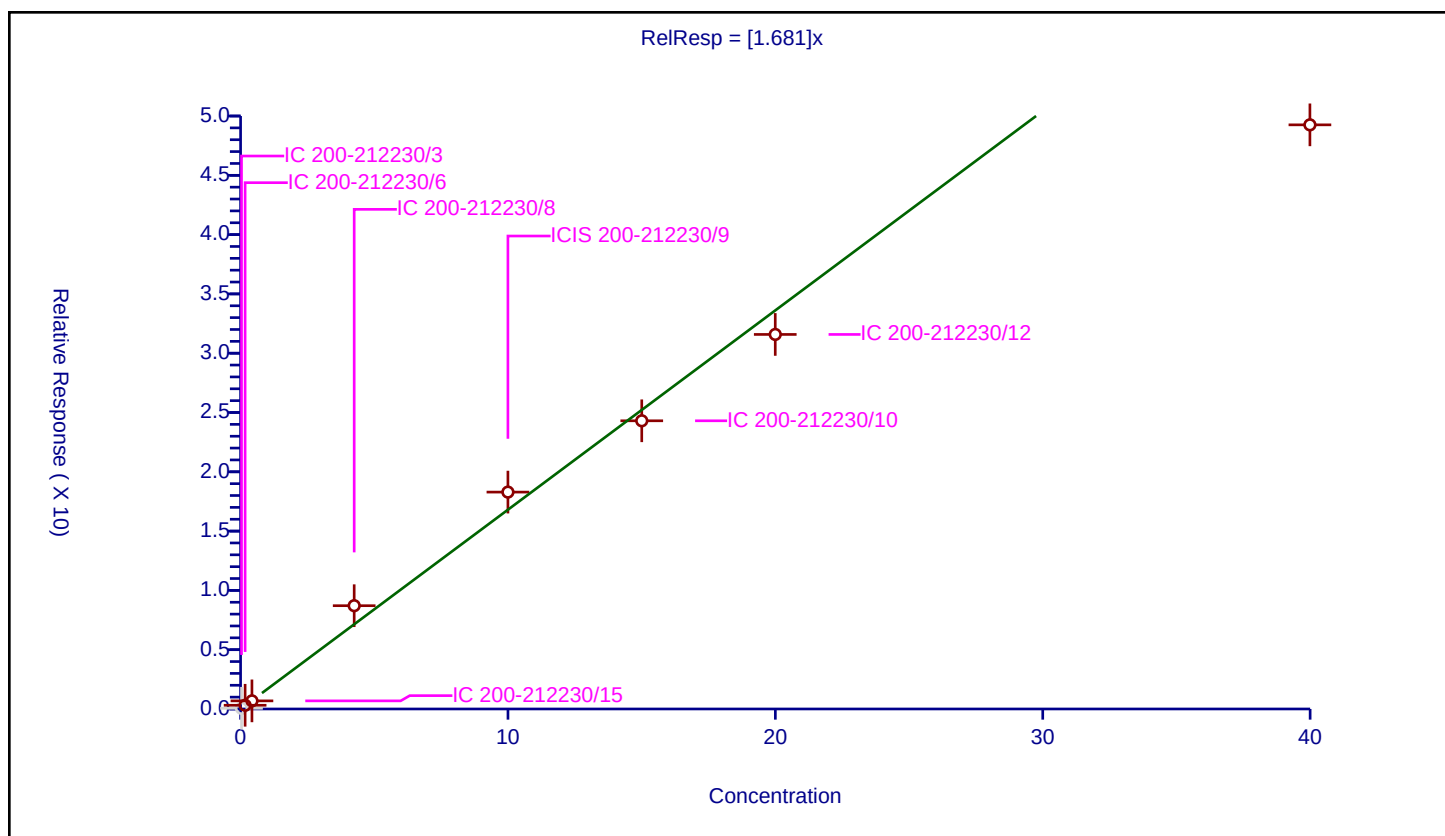
Curve Coefficients

Intercept: 0
Slope: 1.681

Error Coefficients

Relative Standard Deviation: 15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.059966	10.0	1717646.0	1.70955	N
2	IC 200-212230/6	0.170154	0.313591	10.0	1482793.0	1.842983	Y
3	IC 200-212230/15	0.425385	0.685458	10.0	2504516.0	1.611383	Y
4	IC 200-212230/8	4.249175	8.710207	10.0	1398860.0	2.049858	Y
5	ICIS 200-212230/9	9.99806	18.28811	10.0	1654984.0	1.829166	Y
6	IC 200-212230/10	15.003557	24.302255	10.0	2104371.0	1.619766	Y
7	IC 200-212230/12	19.99612	31.581585	10.0	2175254.0	1.579386	Y
8	IC 200-212230/14	39.99224	49.255562	10.0	2907615.0	1.231628	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

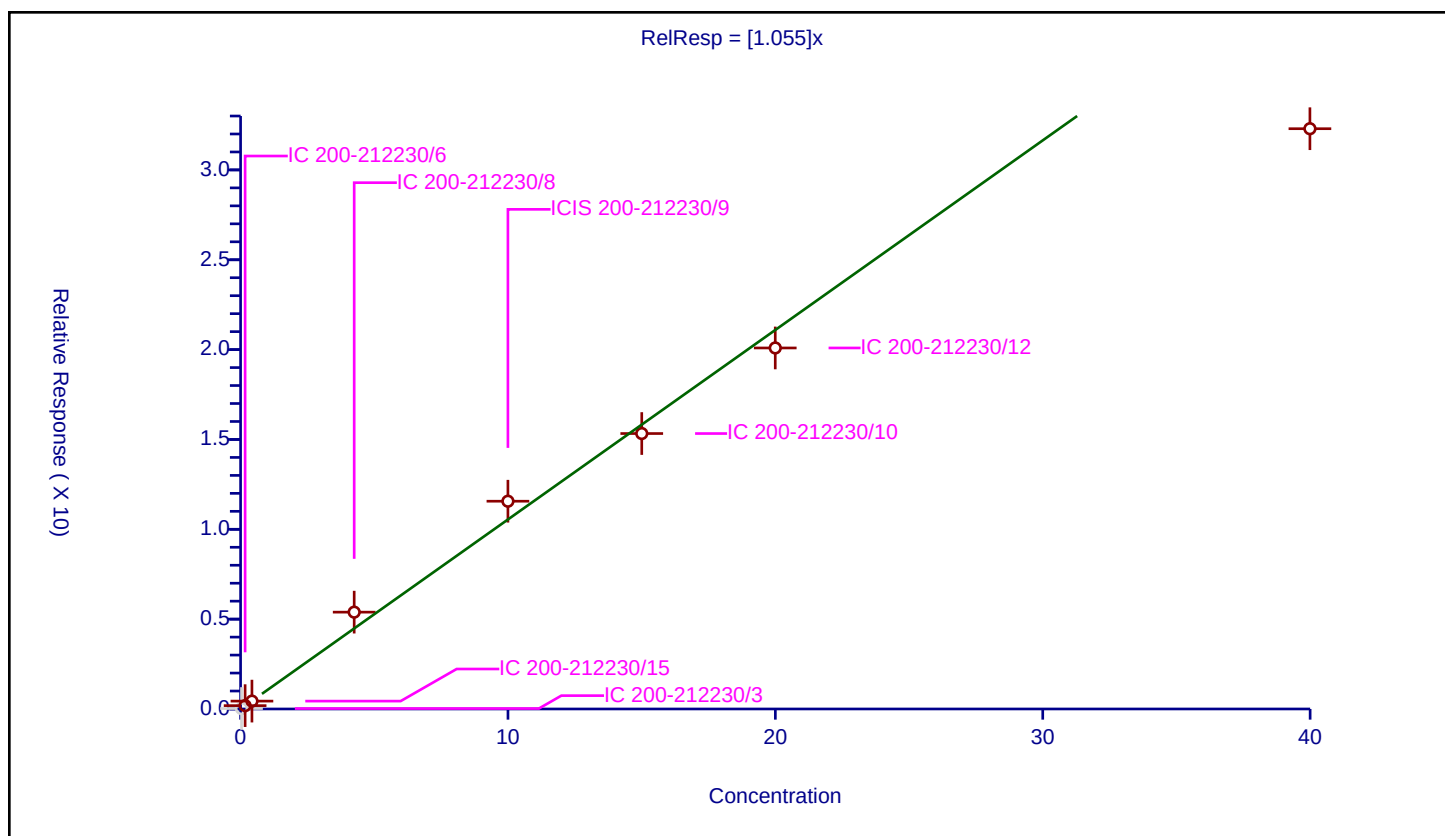
Curve Coefficients

Intercept: 0
Slope: 1.055

Error Coefficients

Relative Standard Deviation: 13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.026321	10.0	1717646.0	0.750376	N
2	IC 200-212230/6	0.170154	0.186101	10.0	1482793.0	1.093725	Y
3	IC 200-212230/15	0.425385	0.438476	10.0	2504516.0	1.030775	Y
4	IC 200-212230/8	4.249175	5.389517	10.0	1398860.0	1.268368	Y
5	ICIS 200-212230/9	9.99806	11.562408	10.0	1654984.0	1.156465	Y
6	IC 200-212230/10	15.003557	15.328956	10.0	2104371.0	1.021688	Y
7	IC 200-212230/12	19.99612	20.092127	10.0	2175254.0	1.004801	Y
8	IC 200-212230/14	39.99224	32.294272	10.0	2907615.0	0.807513	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

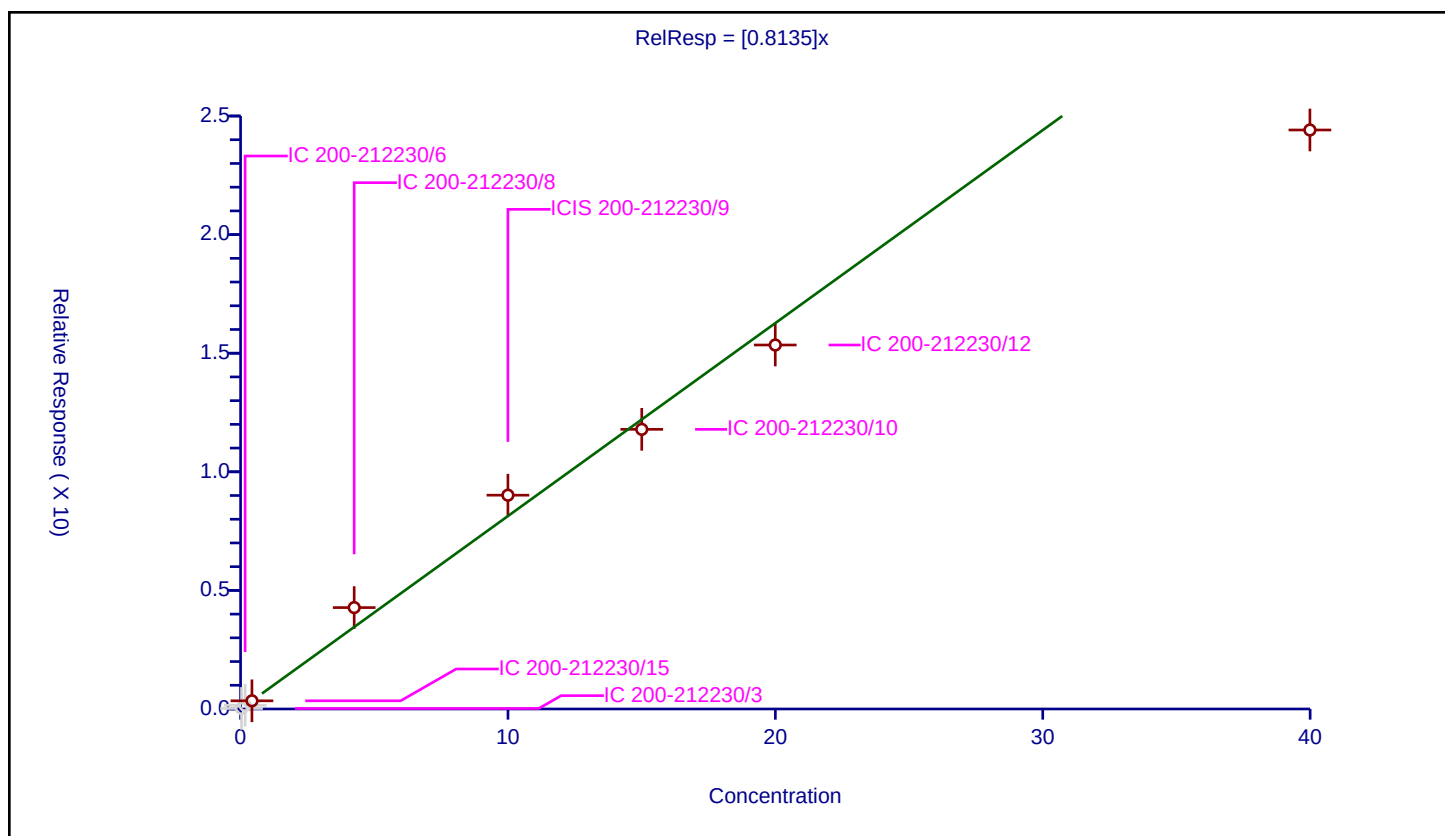
Curve Coefficients

Intercept: 0
Slope: 0.8135

Error Coefficients

Relative Standard Deviation: 16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.023567	10.0	1717646.0	0.67187	N
2	IC 200-212230/6	0.170154	0.155126	10.0	1482793.0	0.911682	N
3	IC 200-212230/15	0.425385	0.344386	10.0	2504516.0	0.809587	Y
4	IC 200-212230/8	4.249175	4.275532	10.0	1398860.0	1.006203	Y
5	ICIS 200-212230/9	9.99806	9.013797	10.0	1654984.0	0.901555	Y
6	IC 200-212230/10	15.003557	11.790046	10.0	2104371.0	0.785817	Y
7	IC 200-212230/12	19.99612	15.345495	10.0	2175254.0	0.767424	Y
8	IC 200-212230/14	39.99224	24.410381	10.0	2907615.0	0.610378	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

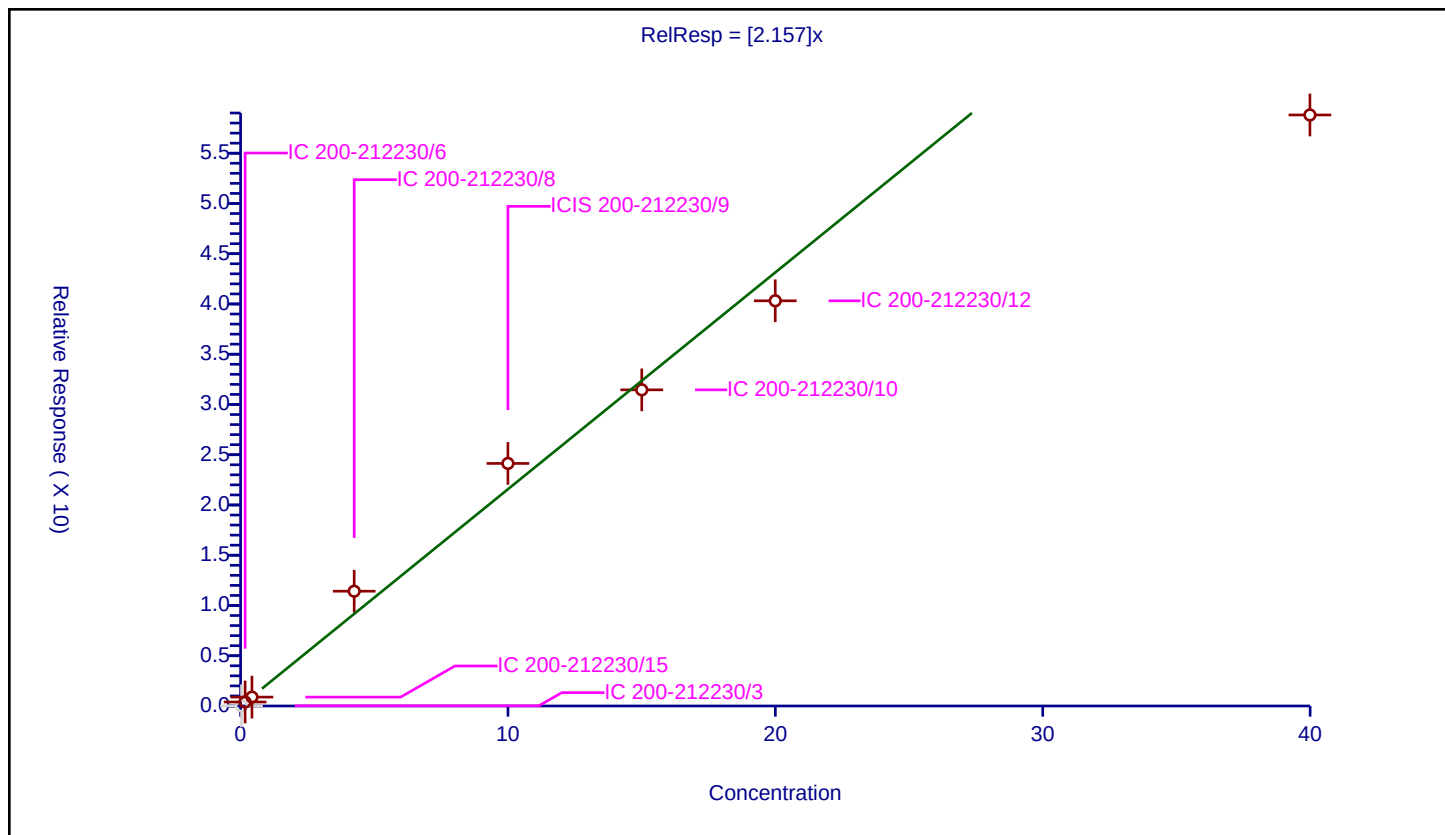
Curve Coefficients

Intercept: 0
Slope: 2.157

Error Coefficients

Relative Standard Deviation: 17.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.020982	10.0	1717646.0	0.598177	N
2	IC 200-212230/6	0.170154	0.397075	10.0	1482793.0	2.333623	Y
3	IC 200-212230/15	0.425385	0.885313	10.0	2504516.0	2.081205	Y
4	IC 200-212230/8	4.249175	11.420886	10.0	1398860.0	2.687789	Y
5	ICIS 200-212230/9	9.99806	24.132155	10.0	1654984.0	2.413684	Y
6	IC 200-212230/10	15.003557	31.455285	10.0	2104371.0	2.096522	Y
7	IC 200-212230/12	19.99612	40.316276	10.0	2175254.0	2.016205	Y
8	IC 200-212230/14	39.99224	58.805471	10.0	2907615.0	1.470422	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

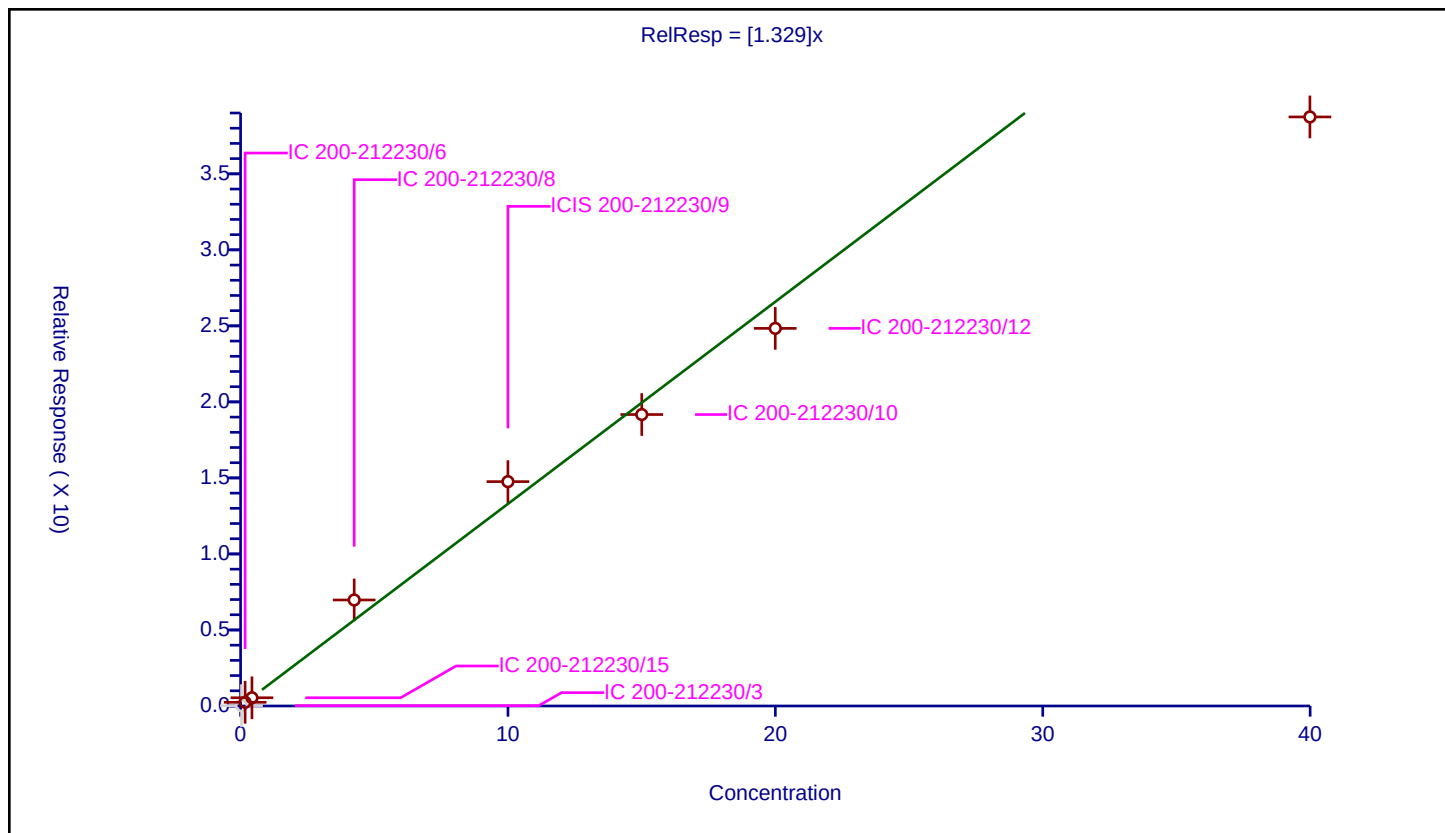
Curve Coefficients

Intercept: 0
 Slope: 1.329

Error Coefficients

Relative Standard Deviation: 16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.023852	10.0	1717646.0	0.680003	N
2	IC 200-212230/6	0.170154	0.243136	10.0	1482793.0	1.428917	Y
3	IC 200-212230/15	0.425385	0.541019	10.0	2504516.0	1.271834	Y
4	IC 200-212230/8	4.249175	6.972356	10.0	1398860.0	1.640873	Y
5	ICIS 200-212230/9	9.99806	14.755853	10.0	1654984.0	1.475872	Y
6	IC 200-212230/10	15.003557	19.168607	10.0	2104371.0	1.277604	Y
7	IC 200-212230/12	19.99612	24.836419	10.0	2175254.0	1.242062	Y
8	IC 200-212230/14	39.99224	38.741962	10.0	2907615.0	0.968737	Y



Calibration

/ 4-Ethyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

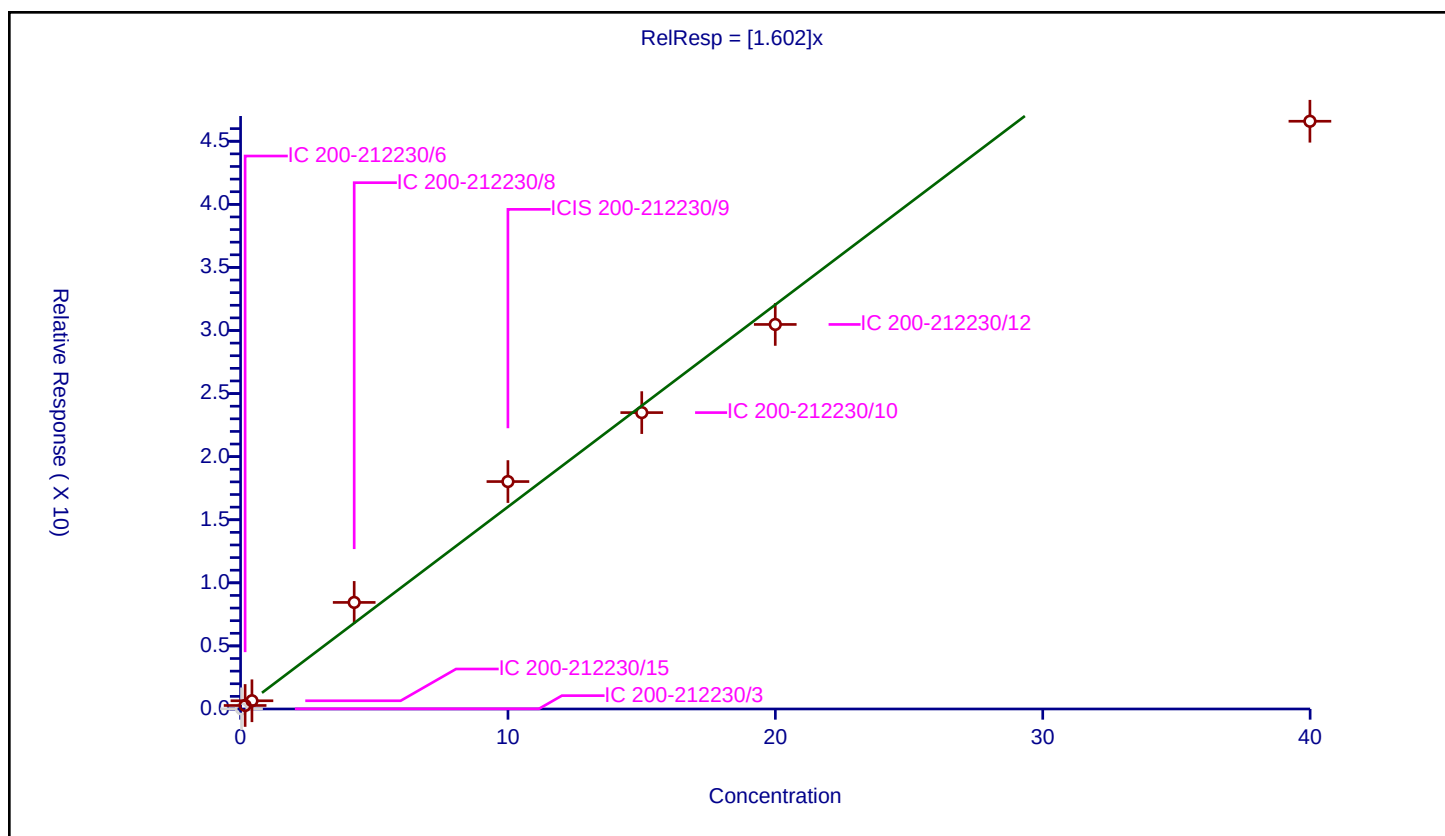
Curve Coefficients

Intercept: 0
Slope: 1.602

Error Coefficients

Relative Standard Deviation: 16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.013396	10.0	1717646.0	0.38191	N
2	IC 200-212230/6	0.170154	0.278704	10.0	1482793.0	1.637951	Y
3	IC 200-212230/15	0.425385	0.651946	10.0	2504516.0	1.532604	Y
4	IC 200-212230/8	4.249175	8.447379	10.0	1398860.0	1.988004	Y
5	ICIS 200-212230/9	9.99806	18.02563	10.0	1654984.0	1.802913	Y
6	IC 200-212230/10	15.003557	23.492521	10.0	2104371.0	1.565797	Y
7	IC 200-212230/12	19.99612	30.480537	10.0	2175254.0	1.524323	Y
8	IC 200-212230/14	39.99224	46.585817	10.0	2907615.0	1.164871	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

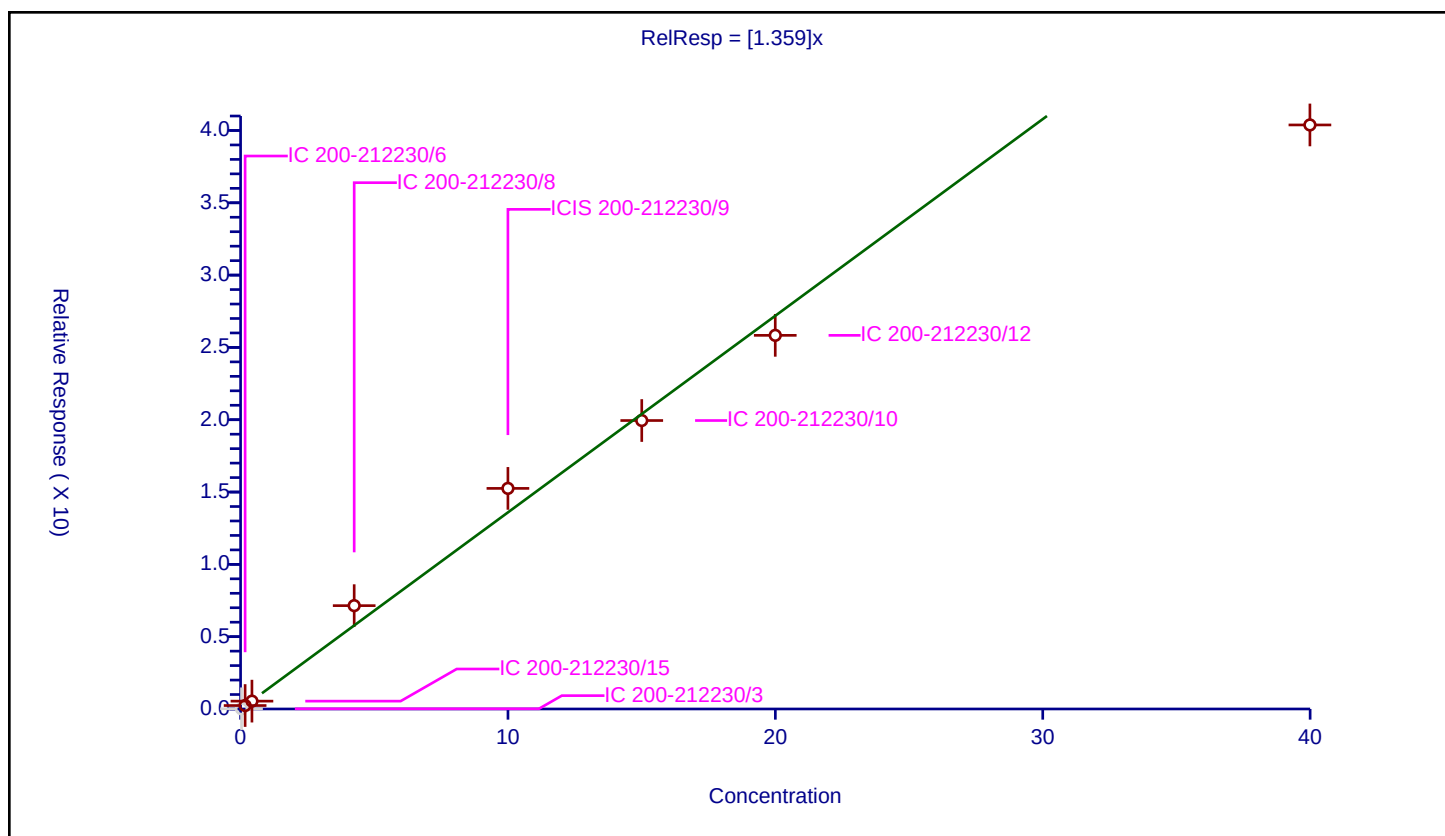
Curve Coefficients

Intercept: 0
Slope: 1.359

Error Coefficients

Relative Standard Deviation: 15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.014147	10.0	1717646.0	0.403321	N
2	IC 200-212230/6	0.170154	0.238523	10.0	1482793.0	1.401807	Y
3	IC 200-212230/15	0.425385	0.542939	10.0	2504516.0	1.276349	Y
4	IC 200-212230/8	4.249175	7.144939	10.0	1398860.0	1.681488	Y
5	ICIS 200-212230/9	9.99806	15.253501	10.0	1654984.0	1.525646	Y
6	IC 200-212230/10	15.003557	19.945228	10.0	2104371.0	1.329367	Y
7	IC 200-212230/12	19.99612	25.834891	10.0	2175254.0	1.291995	Y
8	IC 200-212230/14	39.99224	40.383183	10.0	2907615.0	1.009775	Y



Calibration

/ n-Decane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

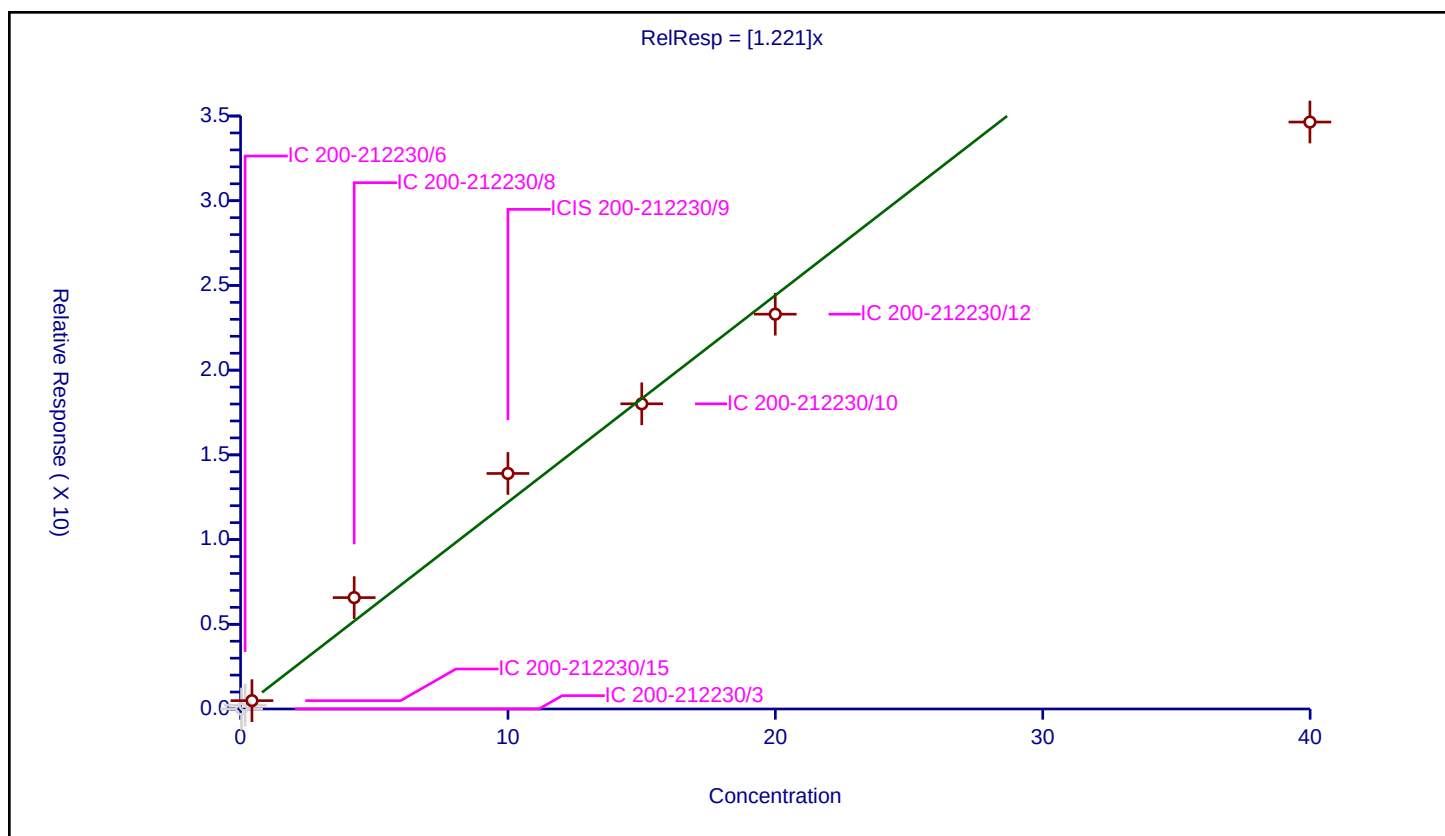
Curve Coefficients

Intercept: 0
Slope: 1.221

Error Coefficients

Relative Standard Deviation: 19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.170154	0.22289	10.0	1482793.0	1.309933	N
3	IC 200-212230/15	0.425385	0.491492	10.0	2504516.0	1.155406	Y
4	IC 200-212230/8	4.249175	6.573889	10.0	1398860.0	1.547098	Y
5	ICIS 200-212230/9	9.99806	13.902328	10.0	1654984.0	1.390503	Y
6	IC 200-212230/10	15.003557	18.013197	10.0	2104371.0	1.200595	Y
7	IC 200-212230/12	19.99612	23.303973	10.0	2175254.0	1.165425	Y
8	IC 200-212230/14	39.99224	34.644762	10.0	2907615.0	0.866287	Y



Calibration

/ Alpha Methyl Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

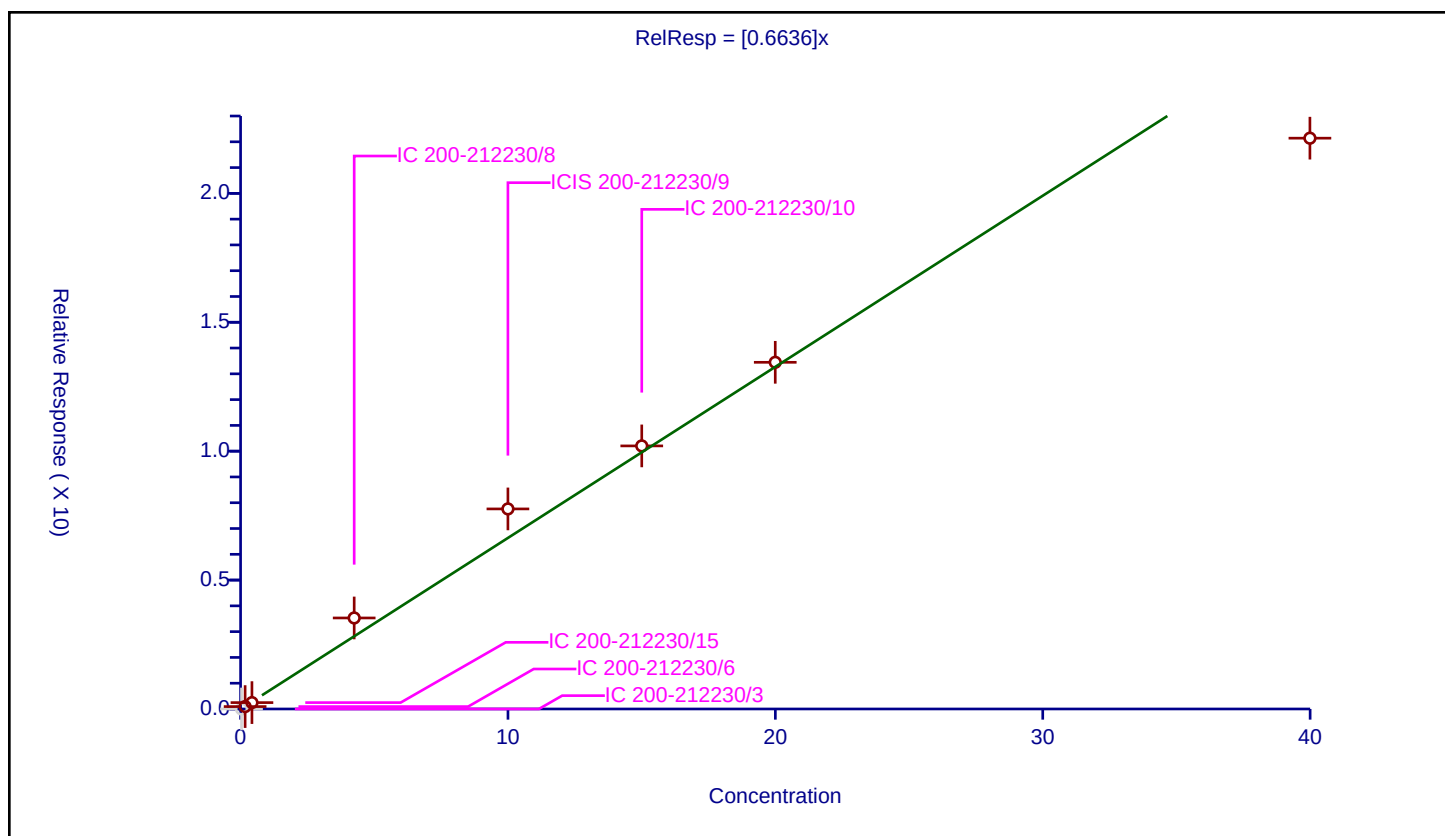
Curve Coefficients

Intercept: 0
Slope: 0.6636

Error Coefficients

Relative Standard Deviation: 16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.170154	0.093621	10.0	1482793.0	0.550211	Y
3	IC 200-212230/15	0.425385	0.247305	10.0	2504516.0	0.581369	Y
4	IC 200-212230/8	4.249175	3.531204	10.0	1398860.0	0.831033	Y
5	ICIS 200-212230/9	9.99806	7.76045	10.0	1654984.0	0.776196	Y
6	IC 200-212230/10	15.003557	10.203861	10.0	2104371.0	0.680096	Y
7	IC 200-212230/12	19.99612	13.447266	10.0	2175254.0	0.672494	Y
8	IC 200-212230/14	39.99224	22.140301	10.0	2907615.0	0.553615	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

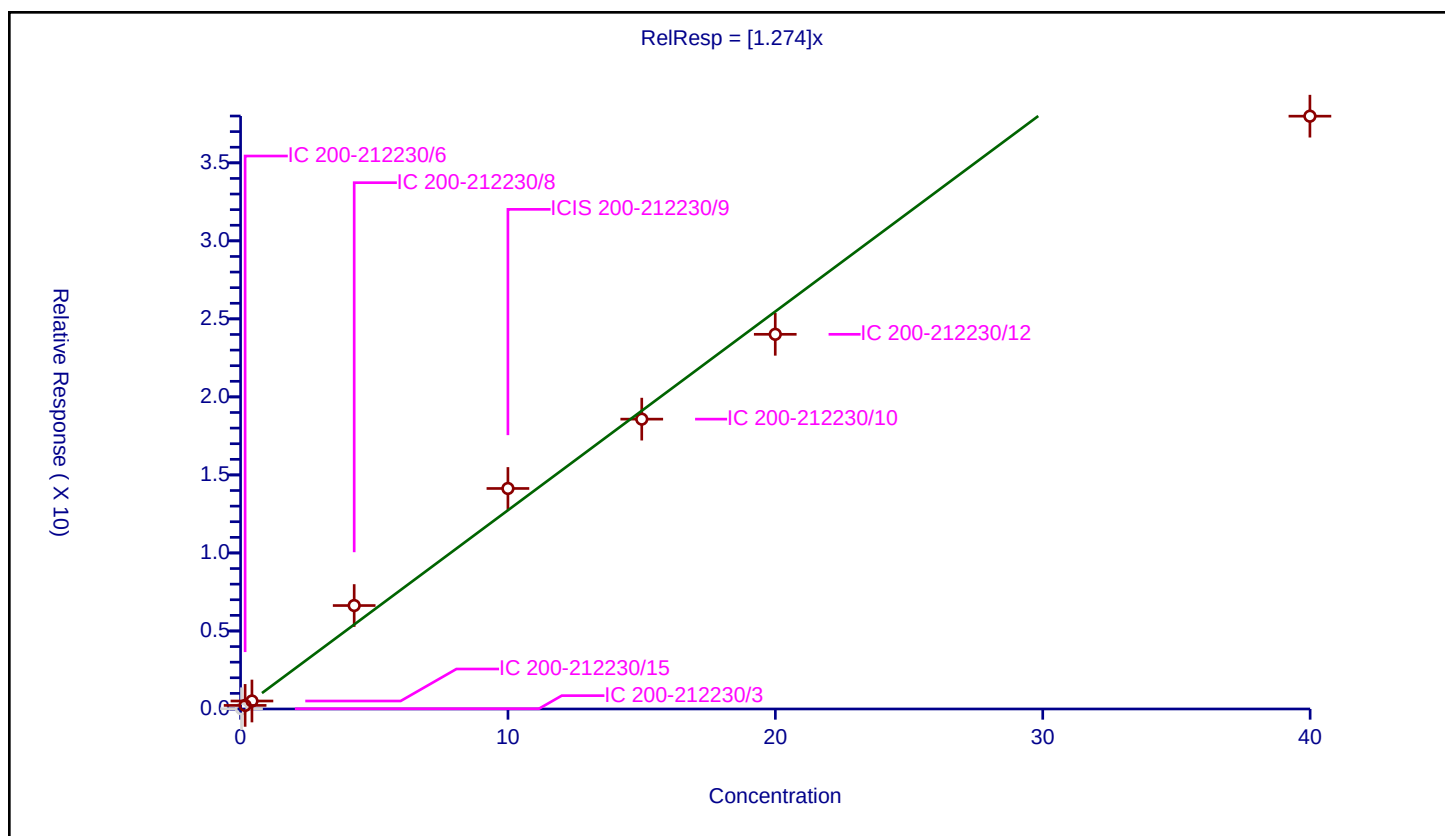
Curve Coefficients

Intercept: 0
Slope: 1.274

Error Coefficients

Relative Standard Deviation: 15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.01569	10.0	1717646.0	0.447305	N
2	IC 200-212230/6	0.170154	0.229526	10.0	1482793.0	1.348934	Y
3	IC 200-212230/15	0.425385	0.51259	10.0	2504516.0	1.205004	Y
4	IC 200-212230/8	4.249175	6.629827	10.0	1398860.0	1.560262	Y
5	ICIS 200-212230/9	9.99806	14.132137	10.0	1654984.0	1.413488	Y
6	IC 200-212230/10	15.003557	18.574652	10.0	2104371.0	1.238017	Y
7	IC 200-212230/12	19.99612	24.011132	10.0	2175254.0	1.20079	Y
8	IC 200-212230/14	39.99224	37.989717	10.0	2907615.0	0.949927	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

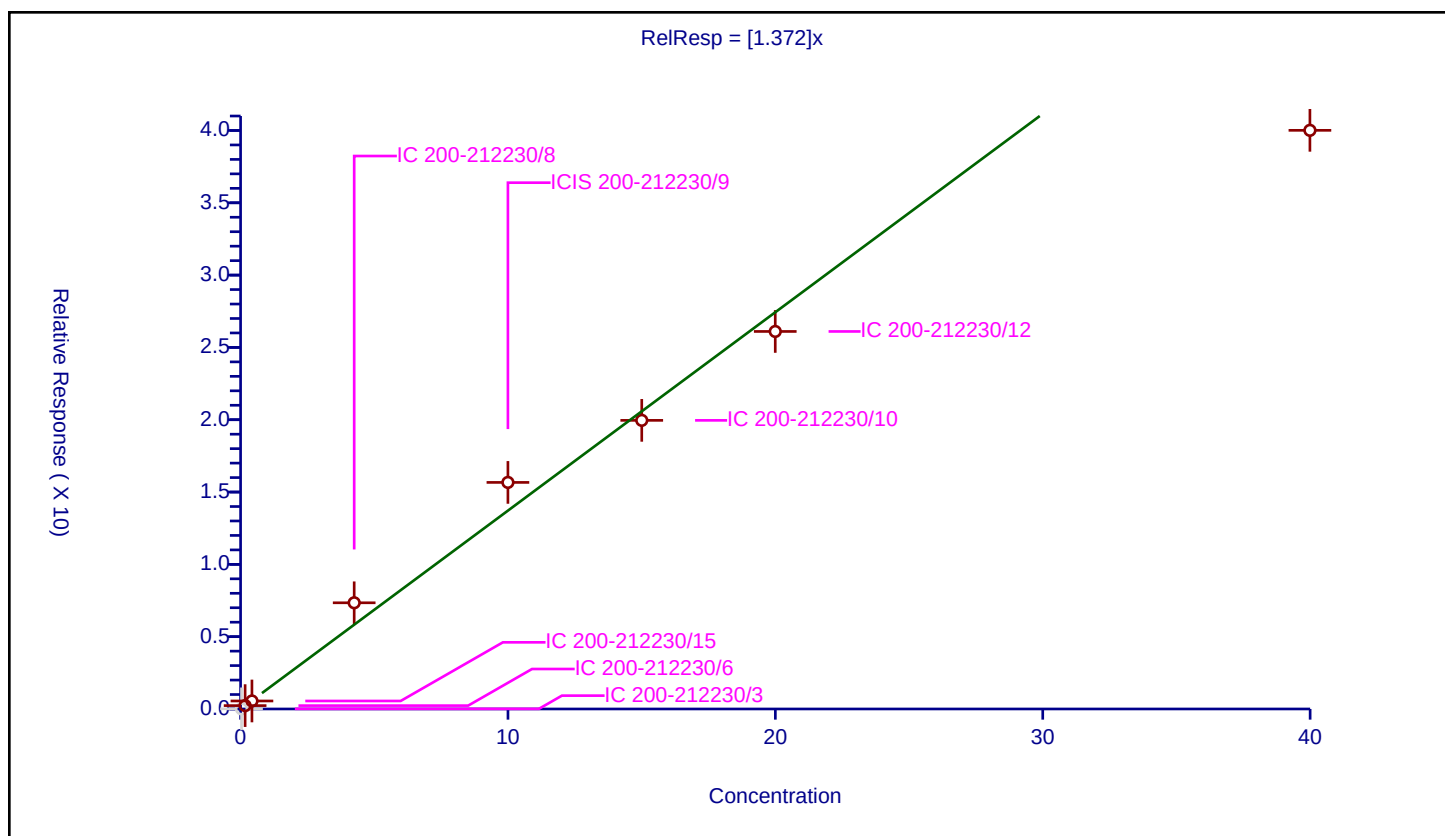
Curve Coefficients

Intercept: 0
Slope: 1.372

Error Coefficients

Relative Standard Deviation: 16.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.009822	10.0	1717646.0	0.280001	N
2	IC 200-212230/6	0.170154	0.232824	10.0	1482793.0	1.368315	Y
3	IC 200-212230/15	0.425385	0.554263	10.0	2504516.0	1.302968	Y
4	IC 200-212230/8	4.249175	7.343673	10.0	1398860.0	1.728258	Y
5	ICIS 200-212230/9	9.99806	15.665372	10.0	1654984.0	1.566841	Y
6	IC 200-212230/10	15.003557	19.957256	10.0	2104371.0	1.330168	Y
7	IC 200-212230/12	19.99612	26.103182	10.0	2175254.0	1.305412	Y
8	IC 200-212230/14	39.99224	40.010094	10.0	2907615.0	1.000446	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

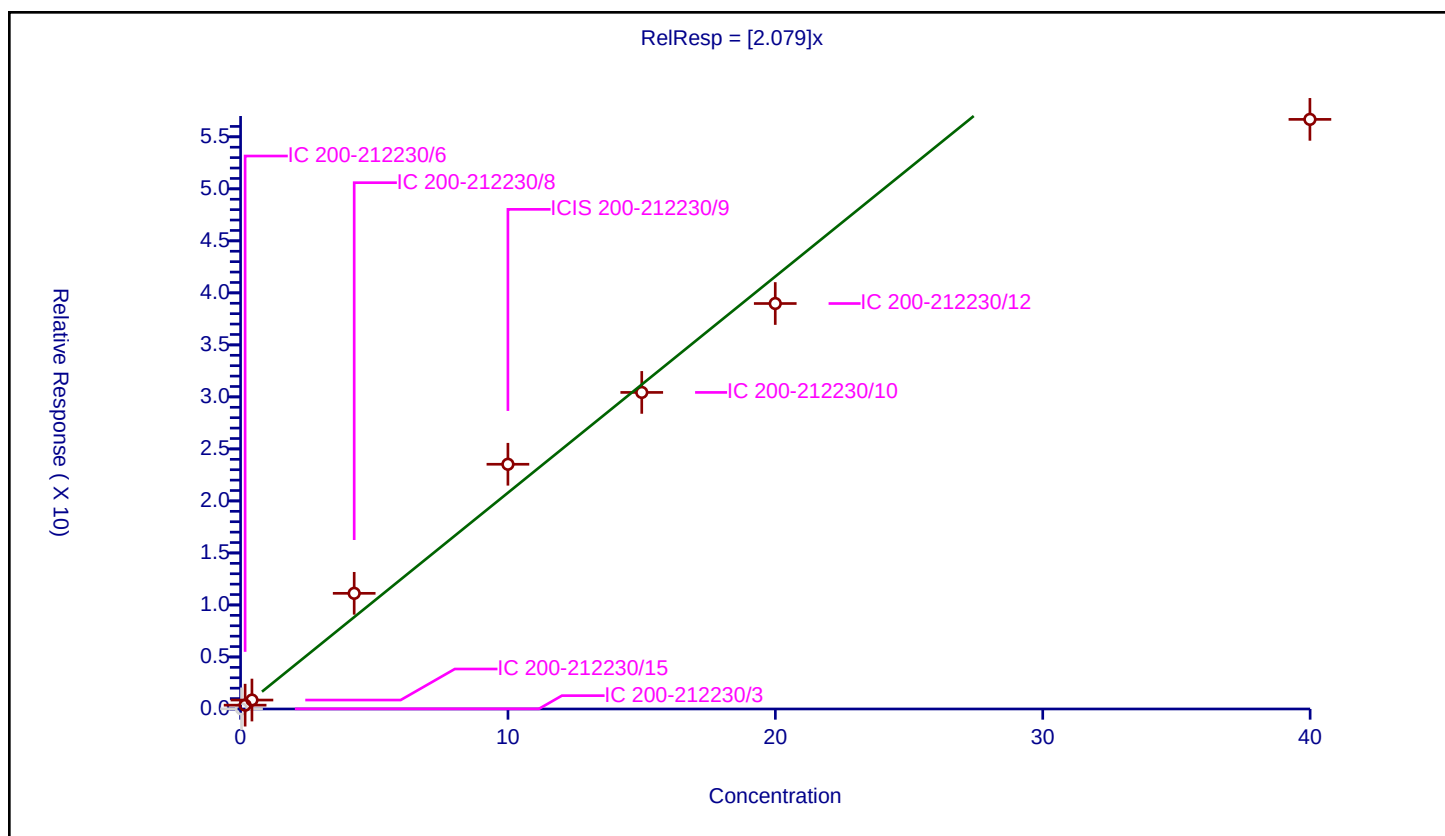
Curve Coefficients

Intercept: 0
Slope: 2.079

Error Coefficients

Relative Standard Deviation: 17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.013763	10.0	1717646.0	0.392367	N
2	IC 200-212230/6	0.170154	0.368966	10.0	1482793.0	2.168425	Y
3	IC 200-212230/15	0.425385	0.858896	10.0	2504516.0	2.019105	Y
4	IC 200-212230/8	4.249175	11.117803	10.0	1398860.0	2.616461	Y
5	ICIS 200-212230/9	9.99806	23.524348	10.0	1654984.0	2.352891	Y
6	IC 200-212230/10	15.003557	30.430437	10.0	2104371.0	2.028215	Y
7	IC 200-212230/12	19.99612	38.976138	10.0	2175254.0	1.949185	Y
8	IC 200-212230/14	39.99224	56.6762	10.0	2907615.0	1.41718	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

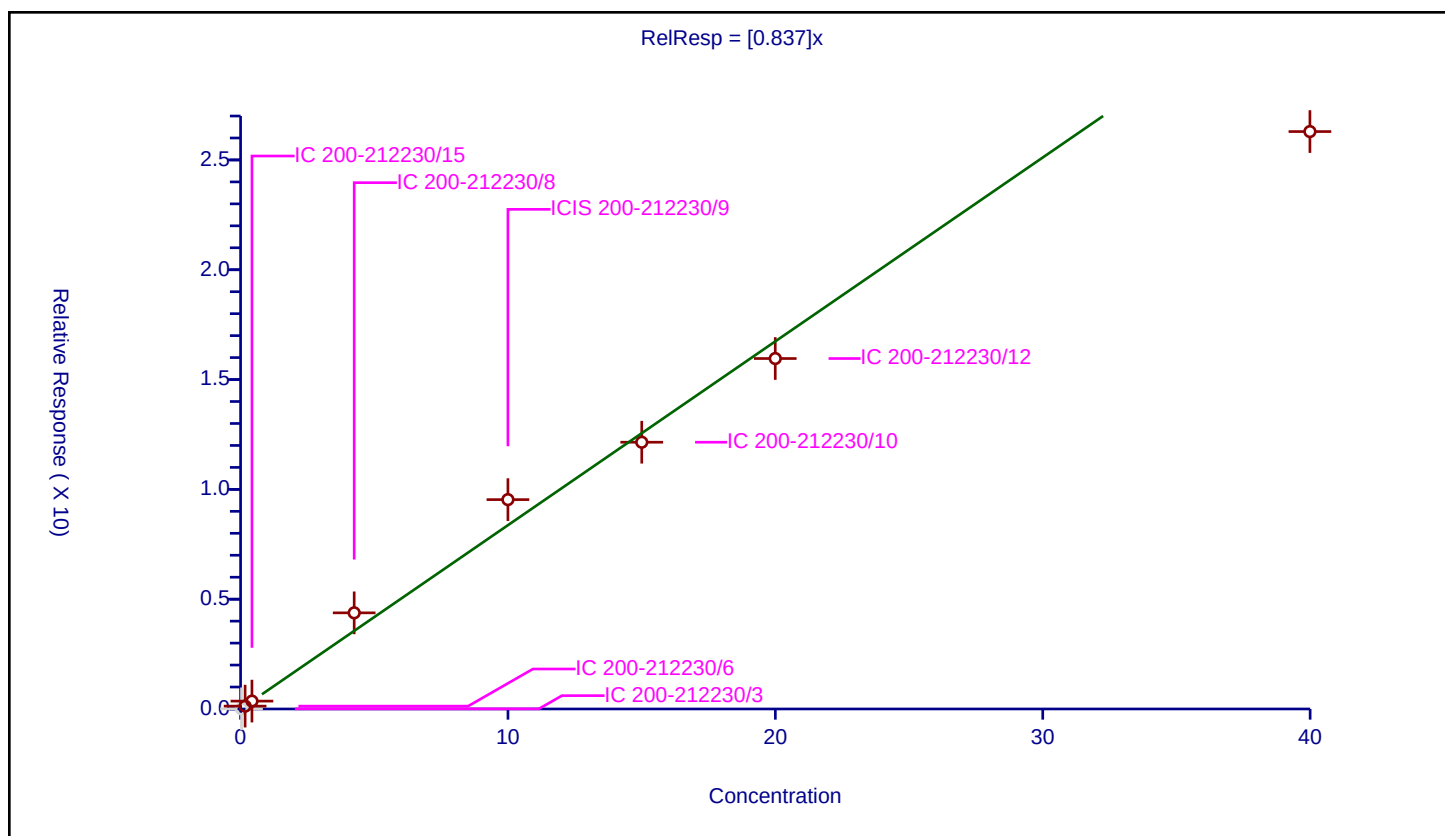
Curve Coefficients

Intercept: 0
Slope: 0.837

Error Coefficients

Relative Standard Deviation: 14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.006969	10.0	1717646.0	0.198673	N
2	IC 200-212230/6	0.170154	0.130524	10.0	1482793.0	0.767094	Y
3	IC 200-212230/15	0.425385	0.35868	10.0	2504516.0	0.84319	Y
4	IC 200-212230/8	4.249175	4.377643	10.0	1398860.0	1.030234	Y
5	ICIS 200-212230/9	9.99806	9.532932	10.0	1654984.0	0.953478	Y
6	IC 200-212230/10	15.003557	12.146713	10.0	2104371.0	0.809589	Y
7	IC 200-212230/12	19.99612	15.957571	10.0	2175254.0	0.798033	Y
8	IC 200-212230/14	39.99224	26.292439	10.0	2907615.0	0.657439	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

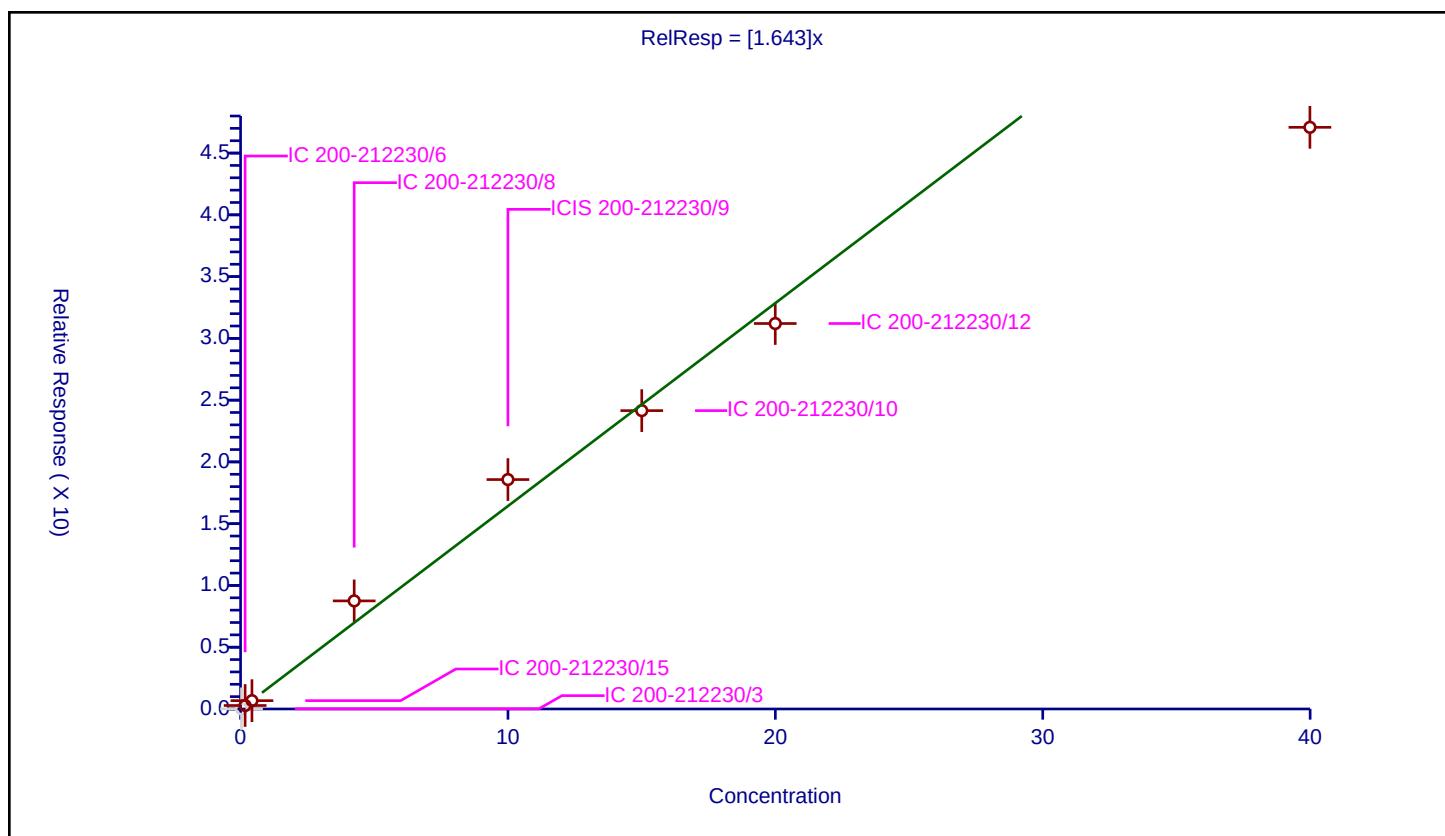
Curve Coefficients

Intercept: 0
Slope: 1.643

Error Coefficients

Relative Standard Deviation: 16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.010951	10.0	1717646.0	0.3122	N
2	IC 200-212230/6	0.170154	0.280774	10.0	1482793.0	1.650119	Y
3	IC 200-212230/15	0.425385	0.674234	10.0	2504516.0	1.584998	Y
4	IC 200-212230/8	4.249175	8.750697	10.0	1398860.0	2.059387	Y
5	ICIS 200-212230/9	9.99806	18.572319	10.0	1654984.0	1.857592	Y
6	IC 200-212230/10	15.003557	24.150561	10.0	2104371.0	1.609656	Y
7	IC 200-212230/12	19.99612	31.202742	10.0	2175254.0	1.56044	Y
8	IC 200-212230/14	39.99224	47.085202	10.0	2907615.0	1.177358	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

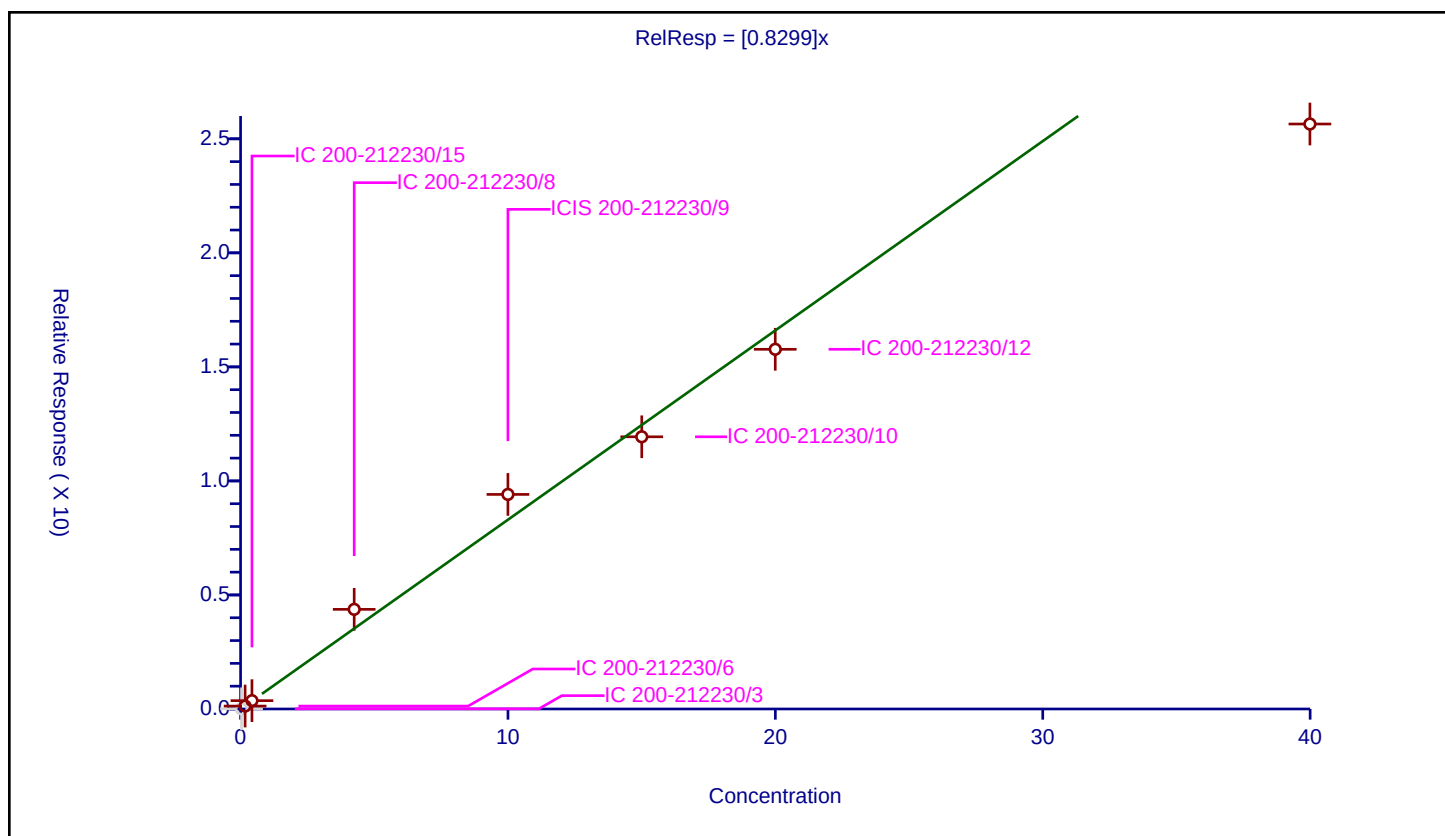
Curve Coefficients

Intercept: 0
Slope: 0.8299

Error Coefficients

Relative Standard Deviation: 15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.007318	10.0	1717646.0	0.208632	N
2	IC 200-212230/6	0.170154	0.128609	10.0	1482793.0	0.755837	Y
3	IC 200-212230/15	0.425385	0.365448	10.0	2504516.0	0.8591	Y
4	IC 200-212230/8	4.249175	4.368336	10.0	1398860.0	1.028043	Y
5	ICIS 200-212230/9	9.99806	9.408429	10.0	1654984.0	0.941026	Y
6	IC 200-212230/10	15.003557	11.935528	10.0	2104371.0	0.795513	Y
7	IC 200-212230/12	19.99612	15.77099	10.0	2175254.0	0.788703	Y
8	IC 200-212230/14	39.99224	25.649407	10.0	2907615.0	0.64136	Y



Calibration

/ Benzyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

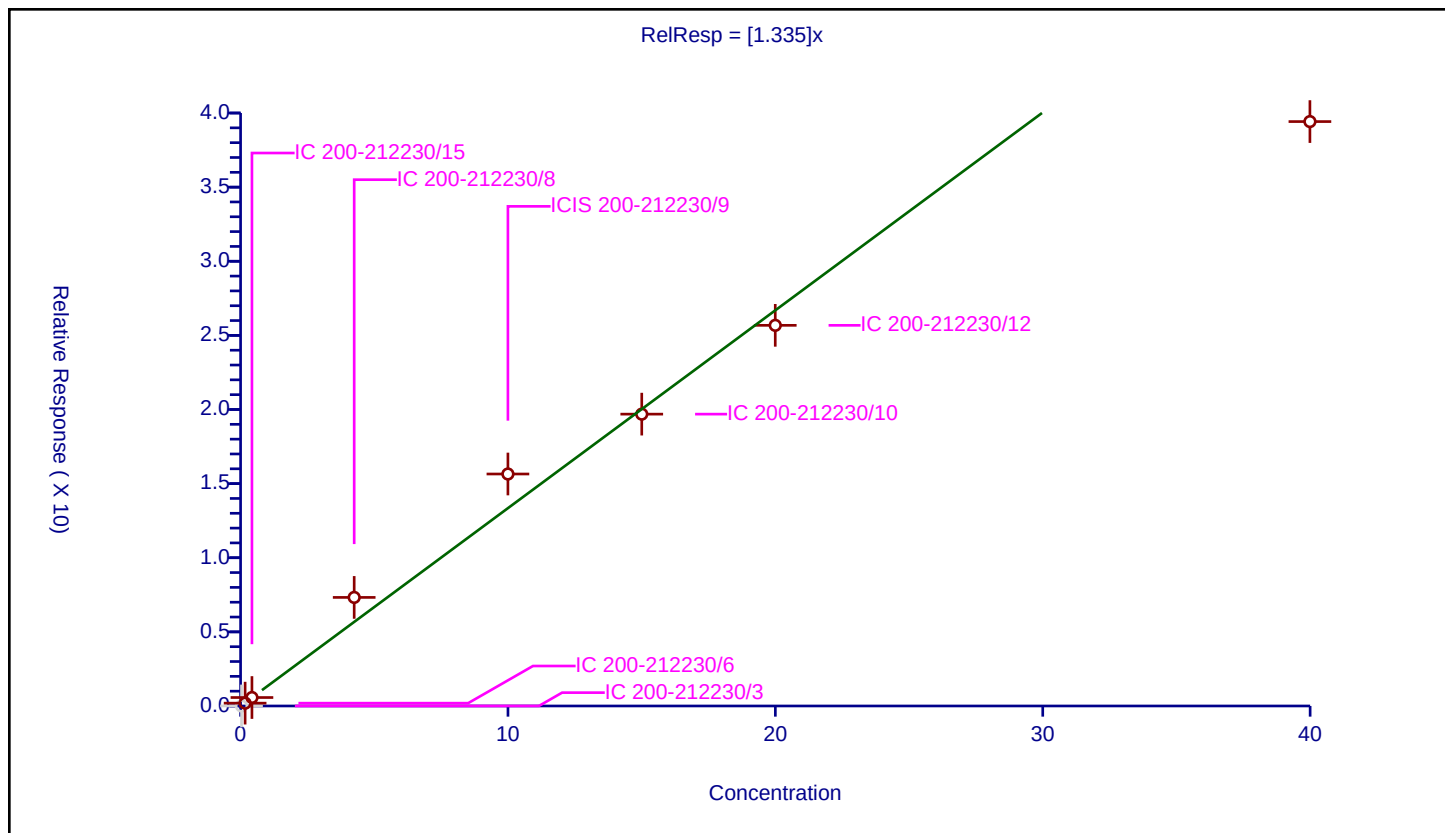
Curve Coefficients

Intercept: 0
 Slope: 1.335

Error Coefficients

Relative Standard Deviation: 18.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.002515	10.0	1717646.0	0.071702	N
2	IC 200-212230/6	0.170154	0.191773	10.0	1482793.0	1.127058	Y
3	IC 200-212230/15	0.425385	0.571915	10.0	2504516.0	1.344465	Y
4	IC 200-212230/8	4.249175	7.323435	10.0	1398860.0	1.723496	Y
5	ICIS 200-212230/9	9.99806	15.648339	10.0	1654984.0	1.565138	Y
6	IC 200-212230/10	15.003557	19.68737	10.0	2104371.0	1.31218	Y
7	IC 200-212230/12	19.99612	25.676965	10.0	2175254.0	1.284097	Y
8	IC 200-212230/14	39.99224	39.423077	10.0	2907615.0	0.985768	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

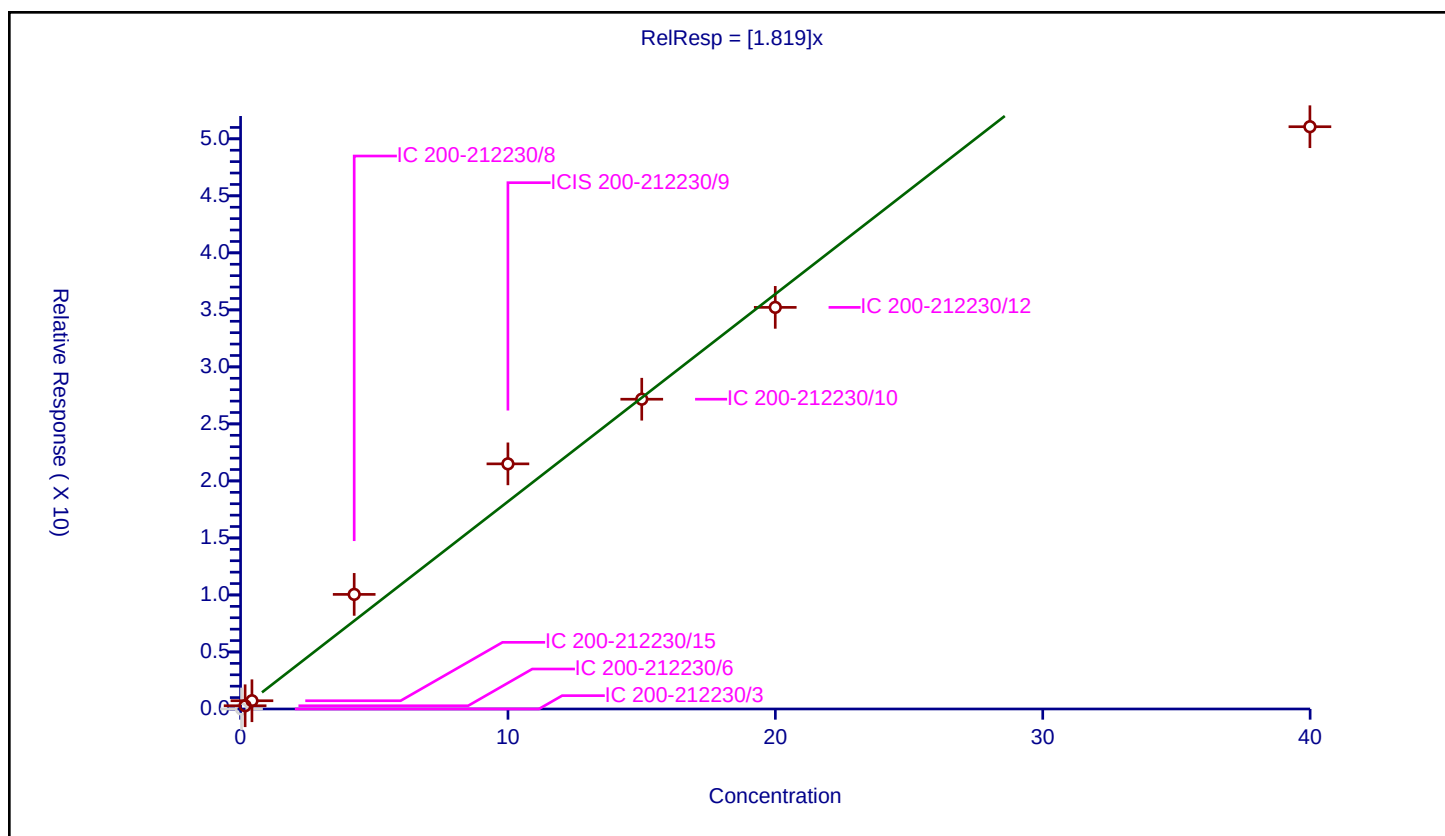
Curve Coefficients

Intercept: 0
 Slope: 1.819

Error Coefficients

Relative Standard Deviation: 19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.002195	10.0	1717646.0	0.062573	N
2	IC 200-212230/6	0.170154	0.284497	10.0	1482793.0	1.671998	Y
3	IC 200-212230/15	0.425385	0.723234	10.0	2504516.0	1.700187	Y
4	IC 200-212230/8	4.249175	10.048697	10.0	1398860.0	2.364858	Y
5	ICIS 200-212230/9	9.99806	21.496425	10.0	1654984.0	2.15006	Y
6	IC 200-212230/10	15.003557	27.164854	10.0	2104371.0	1.810561	Y
7	IC 200-212230/12	19.99612	35.219133	10.0	2175254.0	1.761298	Y
8	IC 200-212230/14	39.99224	51.061217	10.0	2907615.0	1.276778	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

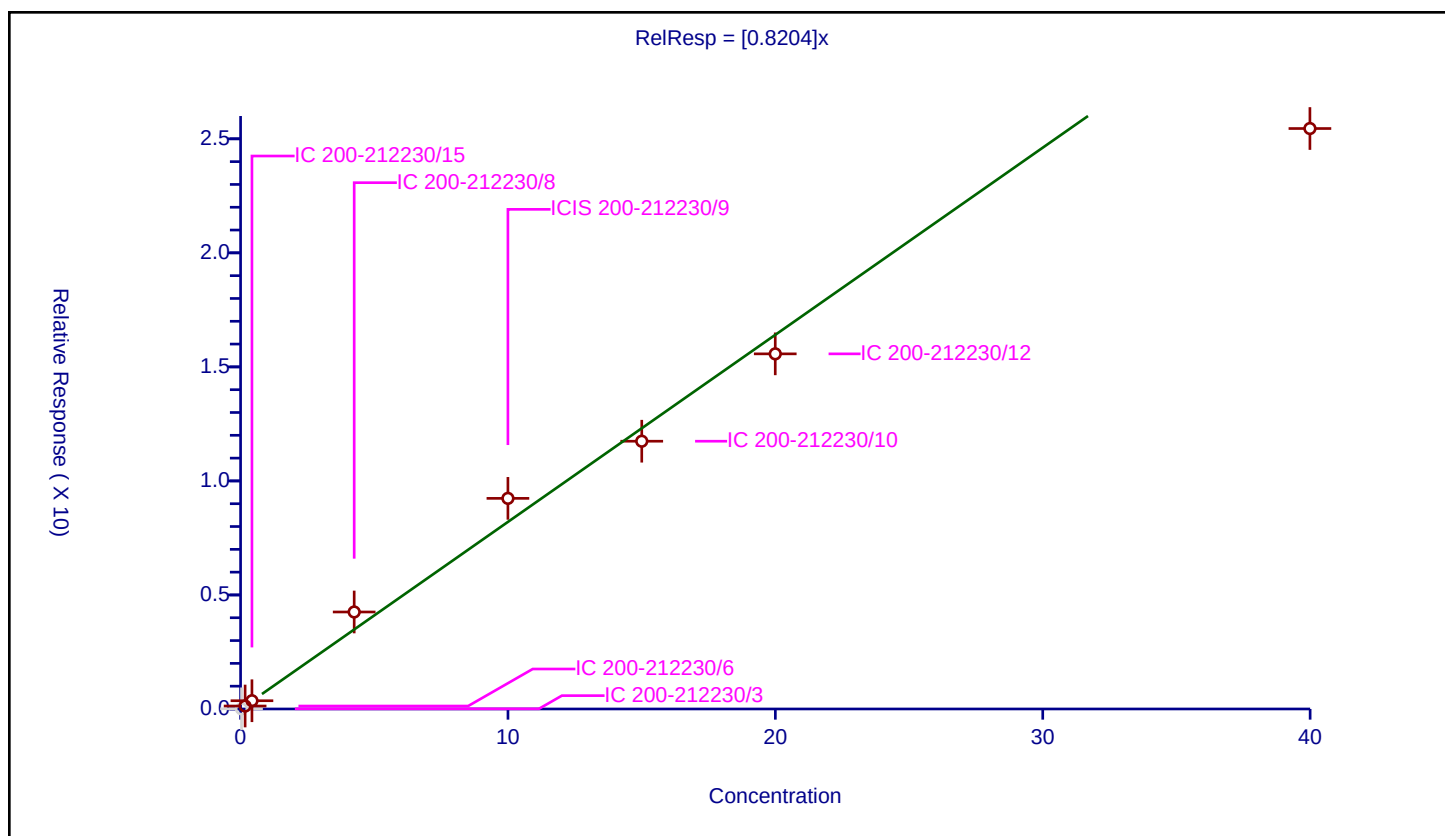
Curve Coefficients

Intercept: 0
Slope: 0.8204

Error Coefficients

Relative Standard Deviation: 14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.007458	10.0	1717646.0	0.212615	N
2	IC 200-212230/6	0.170154	0.130834	10.0	1482793.0	0.768917	Y
3	IC 200-212230/15	0.425385	0.362166	10.0	2504516.0	0.851384	Y
4	IC 200-212230/8	4.249175	4.253206	10.0	1398860.0	1.000949	Y
5	ICIS 200-212230/9	9.99806	9.234875	10.0	1654984.0	0.923667	Y
6	IC 200-212230/10	15.003557	11.740967	10.0	2104371.0	0.782546	Y
7	IC 200-212230/12	19.99612	15.571901	10.0	2175254.0	0.778746	Y
8	IC 200-212230/14	39.99224	25.451671	10.0	2907615.0	0.636415	Y



Calibration

/ Undecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

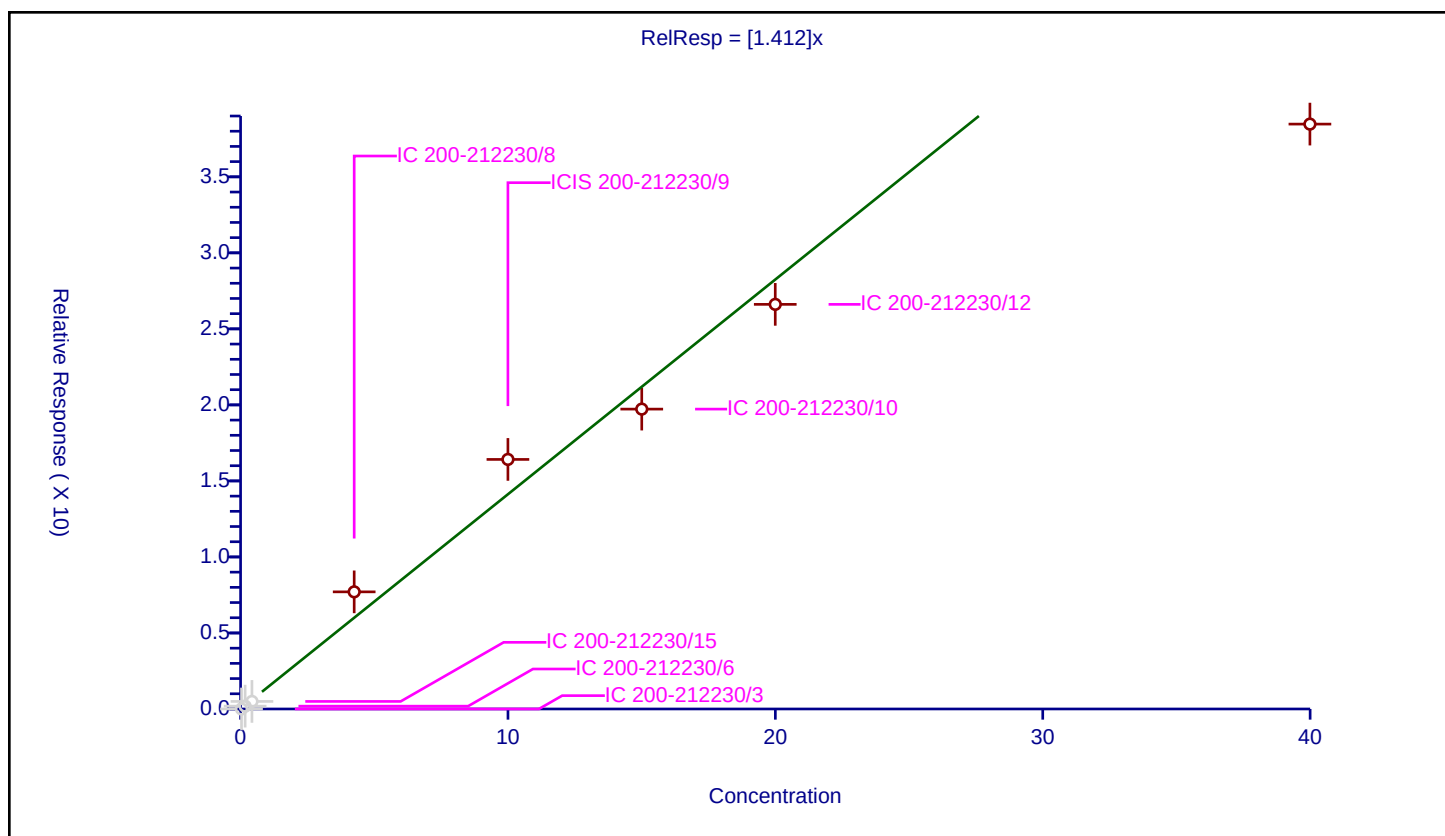
Curve Coefficients

Intercept: 0
Slope: 1.412

Error Coefficients

Relative Standard Deviation: 23.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.170154	0.186607	10.0	1482793.0	1.096697	N
3	IC 200-212230/15	0.425385	0.497921	10.0	2504516.0	1.170518	N
4	IC 200-212230/8	4.249175	7.703959	10.0	1398860.0	1.813048	Y
5	ICIS 200-212230/9	9.99806	16.413971	10.0	1654984.0	1.641716	Y
6	IC 200-212230/10	15.003557	19.723637	10.0	2104371.0	1.314597	Y
7	IC 200-212230/12	19.99612	26.612419	10.0	2175254.0	1.330879	Y
8	IC 200-212230/14	39.99224	38.467923	10.0	2907615.0	0.961885	Y



Calibration

/ Dodecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

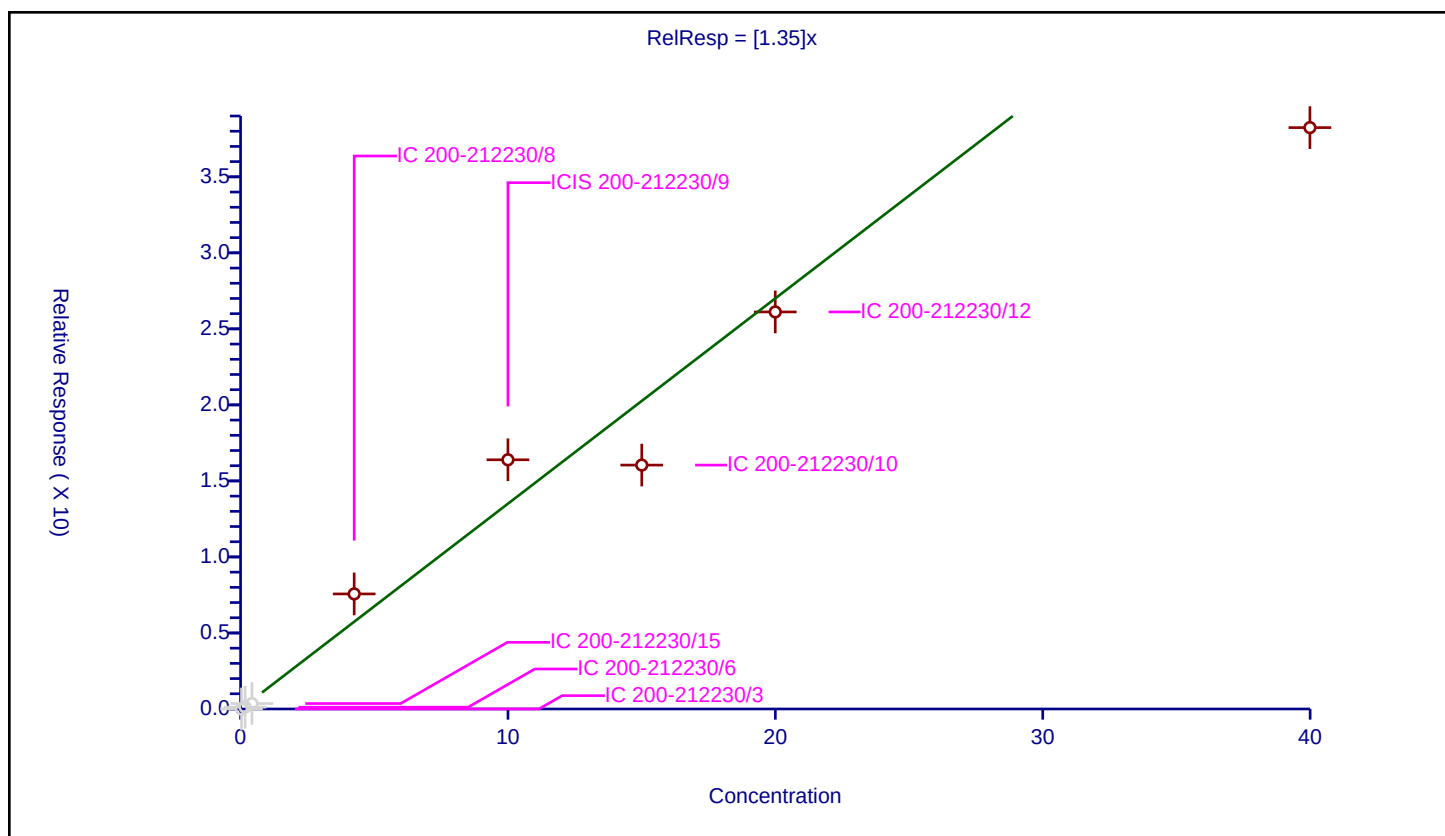
Curve Coefficients

Intercept: 0
Slope: 1.35

Error Coefficients

Relative Standard Deviation: 26.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.035077	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.170154	0.117589	10.0	1482793.0	0.691074	N
3	IC 200-212230/15	0.425385	0.359523	10.0	2504516.0	0.84517	N
4	IC 200-212230/8	4.249175	7.567662	10.0	1398860.0	1.780972	Y
5	ICIS 200-212230/9	9.99806	16.391149	10.0	1654984.0	1.639433	Y
6	IC 200-212230/10	15.003557	16.04094	10.0	2104371.0	1.069143	Y
7	IC 200-212230/12	19.99612	26.115116	10.0	2175254.0	1.306009	Y
8	IC 200-212230/14	39.99224	38.237002	10.0	2907615.0	0.956111	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

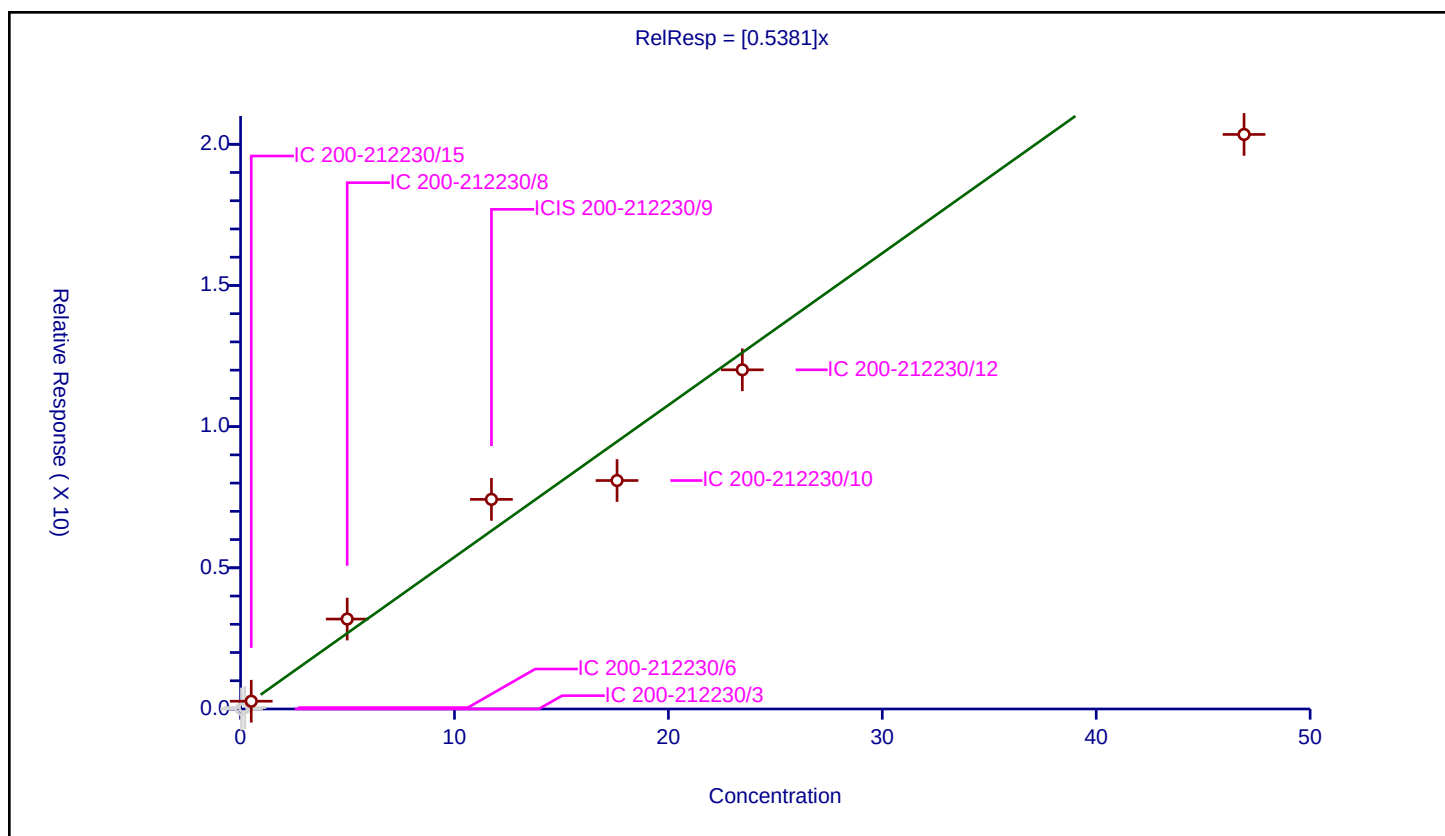
Curve Coefficients

Intercept: 0
Slope: 0.5381

Error Coefficients

Relative Standard Deviation: 16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.041145	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.199591	0.049447	10.0	1482793.0	0.247743	N
3	IC 200-212230/15	0.498976	0.274856	10.0	2504516.0	0.550839	Y
4	IC 200-212230/8	4.984283	3.184943	10.0	1398860.0	0.638997	Y
5	ICIS 200-212230/9	11.727724	7.42377	10.0	1654984.0	0.63301	Y
6	IC 200-212230/10	17.599172	8.091221	10.0	2104371.0	0.45975	Y
7	IC 200-212230/12	23.455448	12.012027	10.0	2175254.0	0.512121	Y
8	IC 200-212230/14	46.910897	20.347845	10.0	2907615.0	0.433755	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

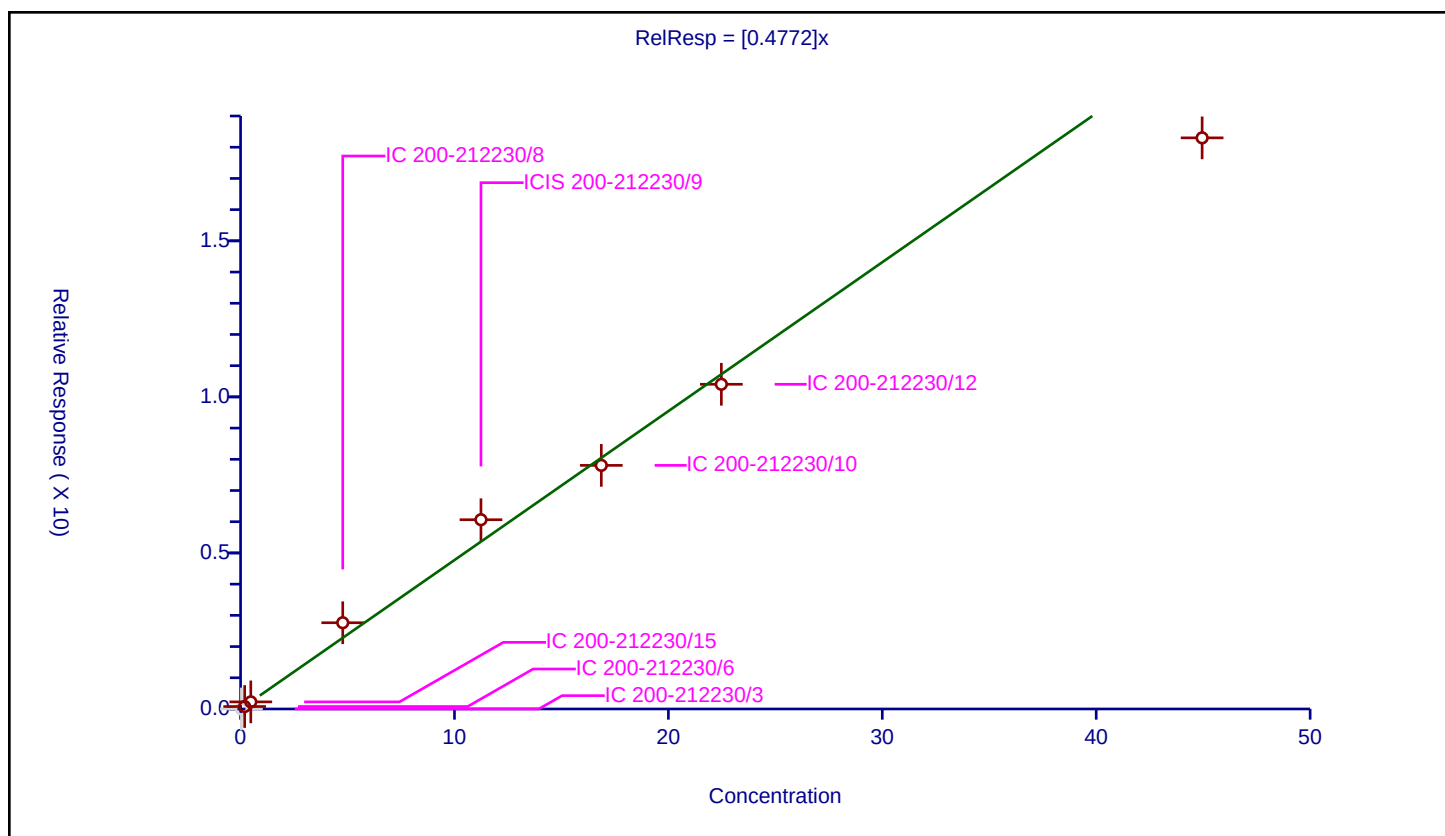
Curve Coefficients

Intercept: 0
Slope: 0.4772

Error Coefficients

Relative Standard Deviation: 13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.039426	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.191253	0.078898	10.0	1482793.0	0.412534	Y
3	IC 200-212230/15	0.478132	0.227816	10.0	2504516.0	0.476472	Y
4	IC 200-212230/8	4.776073	2.763357	10.0	1398860.0	0.578584	Y
5	ICIS 200-212230/9	11.237819	6.06459	10.0	1654984.0	0.539659	Y
6	IC 200-212230/10	16.863998	7.806238	10.0	2104371.0	0.462894	Y
7	IC 200-212230/12	22.475639	10.40438	10.0	2175254.0	0.462918	Y
8	IC 200-212230/14	44.951277	18.300552	10.0	2907615.0	0.40712	Y



Calibration

/ Naphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

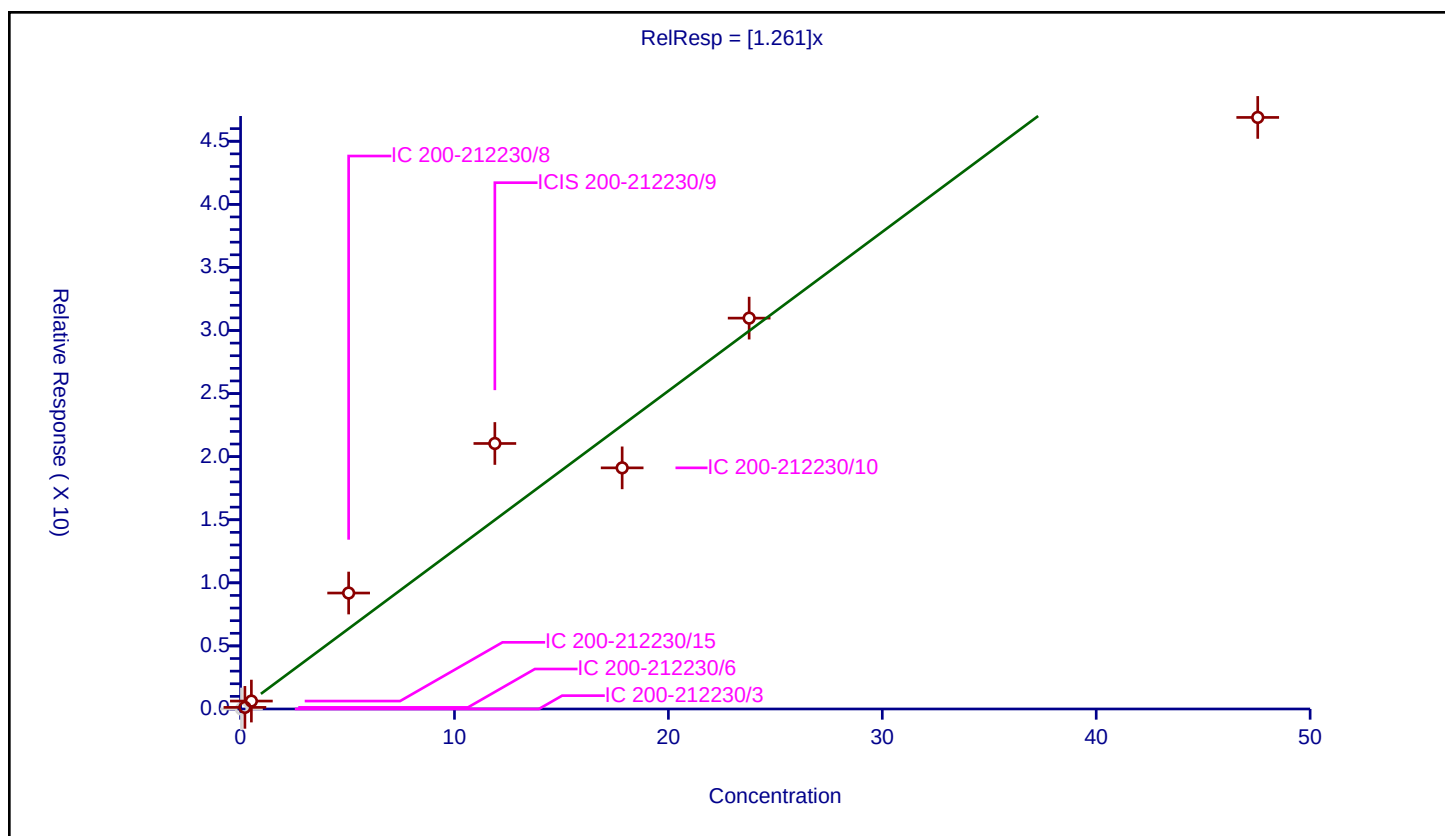
Curve Coefficients

Intercept: 0
 Slope: 1.261

Error Coefficients

Relative Standard Deviation: 33.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.041706	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.202313	0.127914	10.0	1482793.0	0.632258	Y
3	IC 200-212230/15	0.505782	0.627866	10.0	2504516.0	1.241375	Y
4	IC 200-212230/8	5.05227	9.191306	10.0	1398860.0	1.819243	Y
5	ICIS 200-212230/9	11.887693	21.044808	10.0	1654984.0	1.770302	Y
6	IC 200-212230/10	17.839229	19.111986	10.0	2104371.0	1.071346	Y
7	IC 200-212230/12	23.775386	30.980221	10.0	2175254.0	1.303038	Y
8	IC 200-212230/14	47.550773	46.888213	10.0	2907615.0	0.986066	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

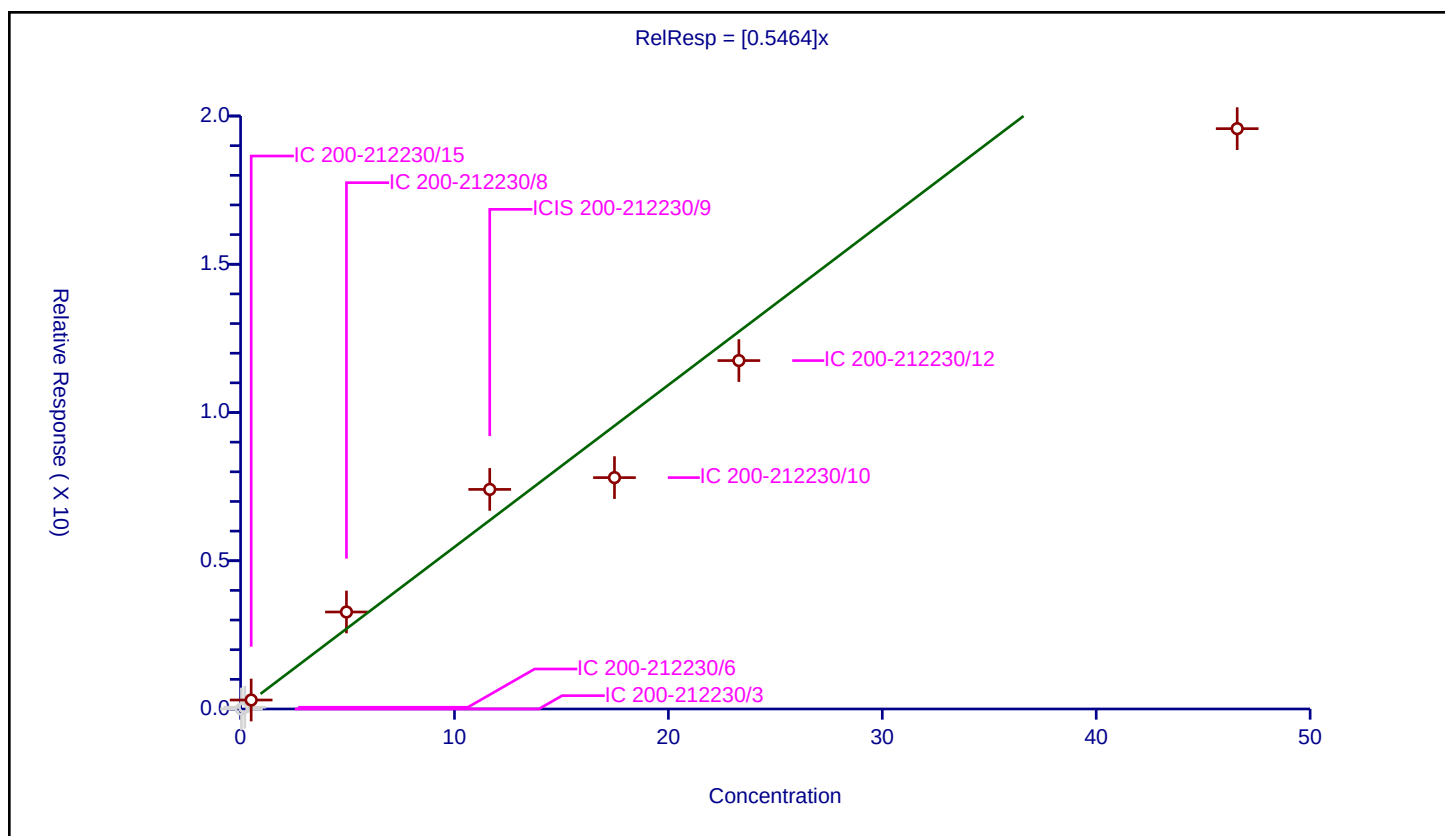
Curve Coefficients

Intercept: 0
Slope: 0.5464

Error Coefficients

Relative Standard Deviation: 18.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-212230/3	0.040865	0.0	10.0	1717646.0	0.0	N
2	IC 200-212230/6	0.198229	0.058457	10.0	1482793.0	0.294897	N
3	IC 200-212230/15	0.495573	0.302537	10.0	2504516.0	0.61048	Y
4	IC 200-212230/8	4.950289	3.271628	10.0	1398860.0	0.660896	Y
5	ICIS 200-212230/9	11.64774	7.406621	10.0	1654984.0	0.635885	Y
6	IC 200-212230/10	17.479144	7.803771	10.0	2104371.0	0.446462	Y
7	IC 200-212230/12	23.29548	11.751828	10.0	2175254.0	0.504468	Y
8	IC 200-212230/14	46.590959	19.573682	10.0	2907615.0	0.420118	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: ICV 200-212348/3 Calibration Date: 12/21/2024 15:02

Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06

Lab File ID: 6379_003.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	0.7613	0.9465		12.4	10.0	24.3	30.0
Dichlorodifluoromethane	Ave	3.134	3.516		11.2	10.0	12.2	30.0
Chlorodifluoromethane	Ave	1.815	2.062		11.4	10.0	13.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.299	3.885		11.8	10.0	17.8	30.0
Chloromethane	Ave	1.074	1.180		11.0	10.0	9.9	30.0
n-Butane	Ave	2.472	2.117		8.56	10.0	-14.4	30.0
Vinyl chloride	Ave	1.834	1.538		8.38	10.0	-16.1	30.0
1,3-Butadiene	Ave	1.457	1.145		7.86	10.0	-21.4	30.0
Bromomethane	Ave	1.231	1.427		11.6	10.0	15.9	30.0
Chloroethane	Ave	0.7280	0.8089		11.1	10.0	11.1	30.0
Isopentane	Ave	1.455	1.600		11.0	10.0	10.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.203	1.421		11.8	10.0	18.1	30.0
Trichlorofluoromethane	Ave	3.284	3.610		11.0	10.0	10.0	30.0
n-Pentane	Ave	2.370	2.434		10.3	10.0	2.7	30.0
Ethanol	Ave	0.6566	0.6484		14.8	15.0	-1.2	30.0
Ethyl ether	Ave	0.995	1.056		10.6	10.0	6.1	30.0
Acrolein	Ave	0.5604	0.6668		11.9	10.0	19.0	30.0
1,1-Dichloroethene	Ave	1.404	1.476		10.5	10.0	5.2	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.041	3.074		10.1	10.0	1.1	30.0
Acetone	Ave	2.302	2.122		9.22	10.0	-7.8	30.0
Isopropyl alcohol	Ave	2.332	2.465		10.6	10.0	5.7	30.0
Carbon disulfide	Ave	4.505	4.456		9.89	10.0	-1.1	30.0
Acetonitrile	Ave	1.186	0.999		8.42	10.0	-15.8	30.0
3-Chloropropene	Ave	2.035	1.930		9.48	10.0	-5.2	30.0
Methylene Chloride	Ave	1.895	1.758		9.27	10.0	-7.3	30.0
tert-Butyl alcohol	Ave	3.024	2.849		9.42	10.0	-5.8	30.0
Acrylonitrile	Ave	1.206	1.154		9.57	10.0	-4.3	30.0
Methyl tert-butyl ether	Ave	4.100	4.173		10.2	10.0	1.8	30.0
trans-1,2-Dichloroethene	Ave	2.314	2.302		9.95	10.0	-0.5	30.0
n-Hexane	Ave	2.437	2.420		9.93	10.0	-0.7	30.0
1,1-Dichloroethane	Ave	2.947	2.791		9.47	10.0	-5.3	30.0
Vinyl acetate	Ave	3.302	3.563		10.8	10.0	7.9	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.8062	0.7745		9.60	10.0	-3.9	30.0
cis-1,2-Dichloroethene	Ave	1.589	1.593		10.0	10.0	0.3	30.0
Ethyl acetate	Ave	0.1310	0.1366		10.4	10.0	4.2	30.0
Tetrahydrofuran	Ave	0.3851	0.3503		9.10	10.0	-9.0	30.0
Chloroform	Ave	3.305	3.224		9.75	10.0	-2.4	30.0
1,1,1-Trichloroethane	Ave	0.6362	0.6384		10.0	10.0	0.3	30.0
Cyclohexane	Ave	0.4114	0.4210		10.2	10.0	2.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: ICV 200-212348/3 Calibration Date: 12/21/2024 15:02

Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06

Lab File ID: 6379_003.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	0.6227	0.6447		10.4	10.0	3.5	30.0
Benzene	Ave	1.009	1.012		10.0	10.0	0.4	30.0
1,2-Dichloroethane	Ave	0.4492	0.4216		9.38	10.0	-6.1	30.0
2,2,4-Trimethylpentane	Ave	1.624	1.639		10.1	10.0	0.9	30.0
n-Heptane	Ave	0.5931	0.5911		9.96	10.0	-0.3	30.0
n-Butanol	Ave	0.2335	0.2094		8.97	10.0	-10.3	30.0
Trichloroethene	Ave	0.4367	0.4434		10.2	10.0	1.6	30.0
1,2-Dichloropropane	Ave	0.4102	0.3969		9.67	10.0	-3.3	30.0
Methyl methacrylate	Ave	0.3687	0.3645		9.88	10.0	-1.1	30.0
1,4-Dioxane	Ave	0.2185	0.1840		8.42	10.0	-15.8	30.0
Dibromomethane	Ave	0.3484	0.3665		10.5	10.0	5.2	30.0
Bromodichloromethane	Ave	0.7333	0.7321		9.98	10.0	-0.2	30.0
cis-1,3-Dichloropropene	Ave	0.6263	0.6386		10.2	10.0	2.0	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.7814	0.7618		9.75	10.0	-2.5	30.0
Toluene	Ave	0.7265	0.7638		10.5	10.0	5.1	30.0
n-Octane	Ave	0.8126	0.8138		10.0	10.0	0.1	30.0
trans-1,3-Dichloropropene	Ave	0.5009	0.5548		11.1	10.0	10.8	30.0
1,1,2-Trichloroethane	Ave	0.4123	0.4146		10.1	10.0	0.6	30.0
Tetrachloroethene	Ave	0.5168	0.5709		11.0	10.0	10.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7905	0.7969		10.1	10.0	0.8	30.0
Dibromochloromethane	Ave	0.7254	0.7665		10.6	10.0	5.7	30.0
1,2-Dibromoethane	Ave	0.6880	0.7089		10.3	10.0	3.0	30.0
Chlorobenzene	Ave	0.9689	0.997		10.3	10.0	2.9	30.0
Ethylbenzene	Ave	1.618	1.684		10.4	10.0	4.1	30.0
m,p-Xylene	Ave	0.5881	0.6259		21.3	20.0	6.4	30.0
n-Nonane	Ave	0.8632	0.8760		10.1	10.0	1.5	30.0
o-Xylene	Ave	0.5513	0.6026		10.9	10.0	9.3	30.0
Styrene	Ave	0.9064	0.995		11.0	10.0	9.8	30.0
Bromoform	Ave	0.6418	0.7227		11.3	10.0	12.6	30.0
Cumene	Ave	1.641	1.792		10.9	10.0	9.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.085	1.066		9.83	10.0	-1.7	30.0
1,2,3-Trichloropropane	Ave	0.8443	0.8175		9.68	10.0	-3.2	30.0
n-Propylbenzene	Ave	2.145	2.265		10.6	10.0	5.6	30.0
2-Chlorotoluene	Ave	1.425	1.451		10.2	10.0	1.8	30.0
4-Ethyltoluene	Ave	1.642	1.797		10.9	10.0	9.4	30.0
1,3,5-Trimethylbenzene	Ave	1.387	1.487		10.7	10.0	7.2	30.0
n-Decane	Ave	1.134	1.130		9.96	10.0	-0.4	30.0
Alpha Methyl Styrene	Ave	0.6791	0.7529		11.1	10.0	10.9	30.0
tert-Butylbenzene	Ave	1.273	1.390		10.9	10.0	9.2	30.0
1,2,4-Trimethylbenzene	Ave	1.377	1.490		10.8	10.0	8.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Lab Sample ID: ICV 200-212348/3 Calibration Date: 12/21/2024 15:02
 Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06
 Lab File ID: 6379_003.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	2.033	2.213		10.9	10.0	8.9	30.0
1,3-Dichlorobenzene	Ave	0.9350	0.9942		10.6	10.0	6.3	30.0
4-Isopropyltoluene	Ave	1.618	1.770		10.9	10.0	9.4	30.0
1,4-Dichlorobenzene	Ave	0.9342	1.001		10.7	10.0	7.2	30.0
Benzyl chloride	Ave	1.315	1.419		10.8	10.0	7.9	30.0
n-Butylbenzene	Ave	1.714	1.852		10.8	10.0	8.0	30.0
1,2-Dichlorobenzene	Ave	0.9007	0.9495		10.5	10.0	5.4	30.0
n-Undecane	Ave	1.184	1.193		10.1	10.0	0.8	30.0
n-Dodecane	Ave	1.022	1.038		10.2	10.0	1.5	30.0
1,2,4-Trichlorobenzene	Ave	0.6090	0.7578		12.4	10.0	24.4	30.0
Hexachlorobutadiene	Ave	0.5115	0.6645		13.0	10.0	29.9	30.0
Naphthalene	Ave	1.348	1.674		12.4	10.0	24.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5699	0.6091		10.7	10.0	6.9	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\6379_003.D

Lims ID: ICV

Client ID:

Sample Type: ICV

Inject. Date: 21-Dec-2024 15:02:12

ALS Bottle#: 0

Worklist Smp#: 3

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info:

Operator ID:

Instrument ID: CHAM.i

Sublist:

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\TO15_TO3_Master_Method_AM1.m

Limit Group: AI_TO15_ICAL

Last Update: 23-Dec-2024 10:07:30

Calib Date: 21-Dec-2024 11:06:39

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX1722

First Level Reviewer: YWL8

Date: 23-Dec-2024 10:08:03

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	4.273	4.273	0.000	99	309120	10.0	12.4	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	1148164	10.0	11.2	
3 Chlorodifluoromethane	51	4.422	4.423	-0.001	97	673343	10.0	11.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.744	0.005	95	1268938	10.0	11.8	
5 Chloromethane	50	4.872	4.872	0.000	99	385490	10.0	11.0	
11 BFB									
7 Butane	43	5.177	5.177	0.000	98	691369	10.0	8.56	
6 Vinyl chloride	62	5.177	5.177	0.000	100	502364	10.0	8.38	
8 Butadiene	54	5.295	5.295	-0.001	92	374037	10.0	7.86	
9 Bromomethane	94	6.049	6.049	0.000	99	465895	10.0	11.6	
10 Chloroethane	64	6.327	6.327	0.000	100	264183	10.0	11.1	
12 2-Methylbutane	43	6.536	6.536	0.000	92	522566	10.0	11.0	
13 Vinyl bromide	106	6.755	6.760	-0.005	99	463966	10.0	11.8	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	99	1179134	10.0	11.0	
15 Pentane	43	7.129	7.130	-0.001	96	794825	10.0	10.3	
16 Ethanol	45	7.327	7.327	0.000	98	317796	15.0	14.8	
18 Ethyl ether	59	7.557	7.557	0.000	92	344776	10.0	10.6	
19 Acrolein	56	7.814	7.814	0.000	96	217756	10.0	11.9	
20 1,1-Dichloroethene	96	8.007	8.007	0.000	96	482171	10.0	10.5	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.044	8.044	0.000	94	1004068	10.0	10.1	
22 Acetone	43	8.103	8.103	0.000	97	693143	10.0	9.22	
23 Isopropyl alcohol	45	8.408	8.408	0.000	100	804899	10.0	10.6	
24 Carbon disulfide	76	8.413	8.413	0.000	99	1455371	10.0	9.89	
25 Acetonitrile	41	8.627	8.627	0.000	99	326206	10.0	8.42	
26 3-Chloro-1-propene	41	8.718	8.718	0.000	96	630218	10.0	9.48	
27 Methylene Chloride	49	8.964	8.965	0.000	90	574069	10.0	9.27	
28 2-Methyl-2-propanol	59	9.194	9.195	-0.001	100	930579	10.0	9.42	
29 Acrylonitrile	53	9.382	9.387	-0.005	94	376760	10.0	9.57	
30 trans-1,2-Dichloroethene	61	9.462	9.462	0.000	97	751945	10.0	9.95	
31 Methyl tert-butyl ether	73	9.462	9.462	0.000	97	1362895	10.0	10.2	
32 Hexane	57	9.970	9.970	0.000	92	790264	10.0	9.93	

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	20.0	
33 1,1-Dichloroethane	63	10.248	10.248	0.000	99	911513	10.0	9.47	
34 Vinyl acetate	43	10.254	10.254	0.000	100	1163730	10.0	10.8	
36 2-Butanone (MEK)	72	11.238	11.238	0.000	99	252945	10.0	9.60	
37 cis-1,2-Dichloroethene	96	11.265	11.260	0.005	94	520418	10.0	10.0	
38 Ethyl acetate	88	11.313	11.313	0.000	100	44615	10.0	10.4	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	95	326653	10.0	10.0	
40 Tetrahydrofuran	42	11.709	11.709	0.000	93	550599	10.0	9.10	
41 Chloroform	83	11.859	11.859	0.000	96	1052912	10.0	9.75	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	99	1003383	10.0	10.0	
43 Cyclohexane	84	12.287	12.287	0.000	98	661747	10.0	10.2	
44 Carbon tetrachloride	117	12.431	12.431	0.000	98	1013319	10.0	10.4	
45 Benzene	78	12.790	12.790	0.000	96	1591355	10.0	10.0	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	94	662632	10.0	9.38	
47 Isooctane	57	12.993	12.998	-0.005	99	2576606	10.0	10.1	
48 n-Heptane	43	13.303	13.303	0.000	93	929141	10.0	9.96	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	95	1572110	10.0	10.0	
50 n-Butanol	56	13.779	13.779	0.000	88	329167	10.0	8.97	
51 Trichloroethene	95	13.966	13.967	-0.001	96	697008	10.0	10.2	
A 52 GRO	1	14.261	(6.526-21.996)	0	221441693	649.9	0		
53 1,2-Dichloropropane	63	14.432	14.432	0.000	93	623808	10.0	9.67	
54 Methyl methacrylate	69	14.518	14.518	0.000	98	572869	10.0	9.88	
55 1,4-Dioxane	88	14.566	14.560	0.006	95	289159	10.0	8.42	
57 Dibromomethane	174	14.592	14.592	0.000	94	576130	10.0	10.5	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	1150768	10.0	9.98	
A 60 TVOC as Toluene	1	15.641	(4.263-27.014)	0	333571099	899.8	0		
59 cis-1,3-Dichloropropene	75	15.711	15.711	0.000	92	1003694	10.0	10.2	
61 4-Methyl-2-pentanone (MIBK)	43	15.978	15.978	0.000	96	1197341	10.0	9.75	
62 Toluene	92	16.347	16.347	0.000	94	1085035	10.0	10.5	
A 63 Toluene Range	1	16.350	(16.272-16.438)	0	4374379	NC	NC		
A 65 C8 Range	1	16.583	(16.497-16.657)	0	4854098	NC	NC		
64 n-Octane	43	16.577	16.577	0.000	92	1279066	10.0	10.0	
66 trans-1,3-Dichloropropene	75	16.775	16.775	0.000	96	872044	10.0	11.1	
67 1,1,2-Trichloroethane	83	17.150	17.150	0.000	96	588967	10.0	10.1	
68 Tetrachloroethene	166	17.337	17.332	0.005	95	810994	10.0	11.0	
69 2-Hexanone	43	17.562	17.562	0.000	96	1132115	10.0	10.1	
70 Chlorodibromomethane	129	17.888	17.888	0.000	98	1088850	10.0	10.6	
71 Ethylene Dibromide	107	18.129	18.129	0.000	99	1007031	10.0	10.3	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	87	1420915	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	93	1416477	10.0	10.3	
75 Ethylbenzene	91	19.284	19.284	0.000	99	2391696	10.0	10.4	
76 m-Xylene & p-Xylene	106	19.541	19.546	-0.005	0	1778264	20.0	21.3	
77 n-Nonane	57	19.594	19.595	0.000	90	1244453	10.0	10.1	
S 80 Xylenes, Total	106				0		30.0	32.2	
78 o-Xylene	106	20.317	20.317	0.000	98	856056	10.0	10.9	
79 Styrene	104	20.349	20.349	0.000	100	1413907	10.0	11.0	
81 Bromoform	173	20.691	20.691	0.000	95	1026652	10.0	11.3	
82 Isopropylbenzene	105	20.985	20.985	0.000	98	2546332	10.0	10.9	
83 1,1,2,2-Tetrachloroethane	83	21.504	21.504	0.000	98	1515011	10.0	9.83	
84 1,2,3-Trichloropropane	75	21.601	21.601	0.000	100	1161316	10.0	9.68	
85 N-Propylbenzene	91	21.686	21.681	0.005	99	3218411	10.0	10.6	
86 2-Chlorotoluene	91	21.831	21.831	0.000	96	2061858	10.0	10.2	

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	21.873	21.874	0.000	98	2552227	10.0	10.9	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	92	2113059	10.0	10.7	
89 n-Decane	57	21.986	21.986	0.000	91	1605476	10.0	9.96	
90 Alpha Methyl Styrene	118	22.291	22.291	0.000	87	1069619	10.0	11.1	
91 tert-Butylbenzene	119	22.446	22.446	0.000	93	1974985	10.0	10.9	
92 1,2,4-Trimethylbenzene	105	22.531	22.532	-0.001	98	2116464	10.0	10.8	
93 sec-Butylbenzene	105	22.762	22.767	-0.005	99	3143922	10.0	10.9	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	99	1412381	10.0	10.6	
95 4-Isopropyltoluene	119	22.976	22.976	0.000	97	2514622	10.0	10.9	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	93	1422559	10.0	10.7	
97 Benzyl chloride	91	23.232	23.232	0.000	98	2016581	10.0	10.8	
98 n-Butylbenzene	91	23.537	23.537	0.000	98	2630551	10.0	10.8	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	1348880	10.0	10.5	
100 Undecane	57	23.676	23.676	0.000	95	1694804	10.0	10.1	
101 Dodecane	57	25.297	25.297	0.000	98	1474555	10.0	10.2	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	1076567	10.0	12.4	
103 Hexachlorobutadiene	225	26.330	26.325	0.006	97	944015	10.0	13.0	
104 Naphthalene	128	26.581	26.576	0.005	99	2377633	10.0	12.4	
105 1,2,3-Trichlorobenzene	180	27.004	27.004	0.000	95	865307	10.0	10.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00882

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Dec-2024 10:08:04

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\6379_003.D

Injection Date: 21-Dec-2024 15:02:12

Instrument ID: CHAM.i

Operator ID:

Lims ID: ICV

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

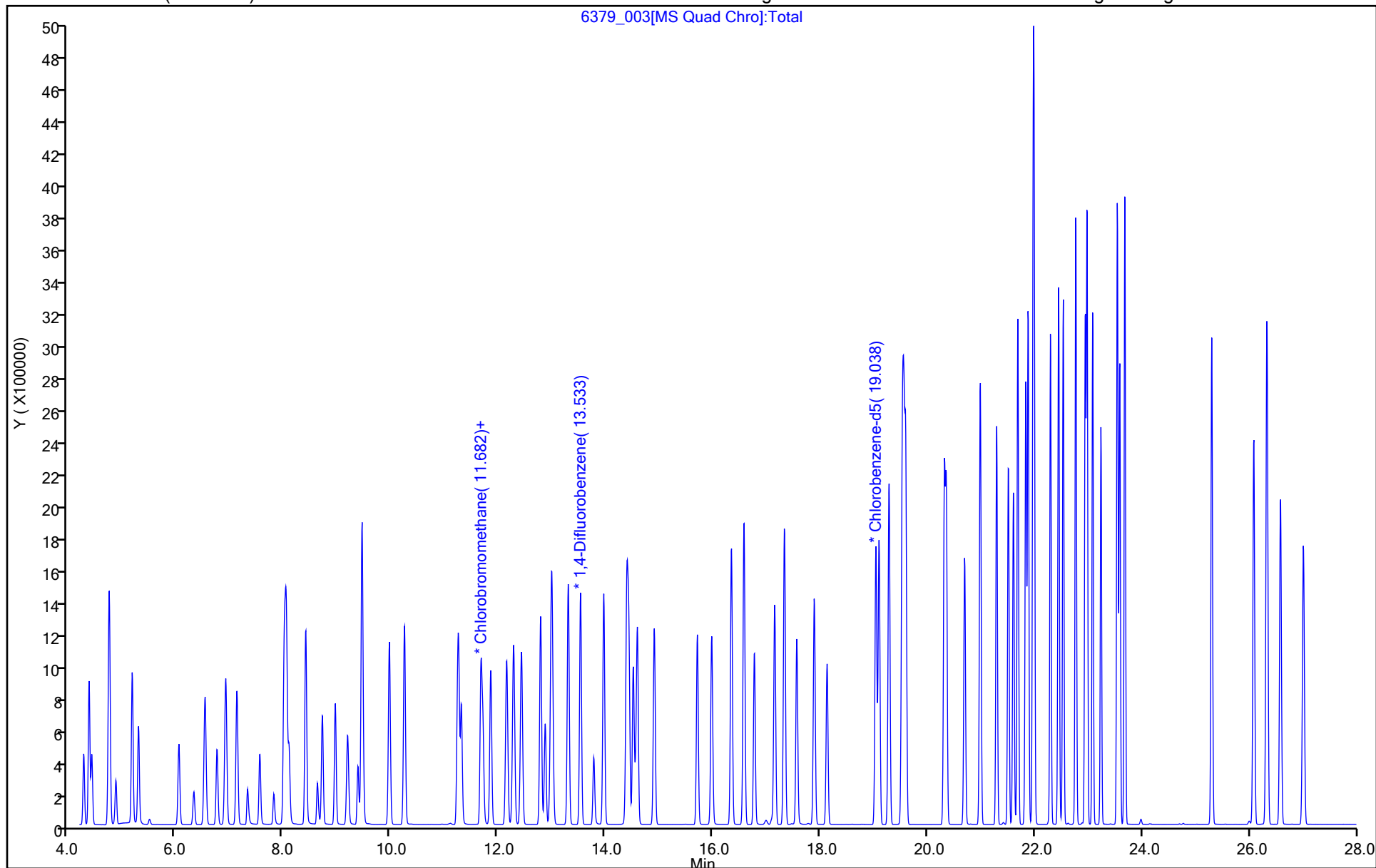
ALS Bottle#: 0

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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: CCVIS 200-212534/2 Calibration Date: 01/03/2025 07:54

Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06

Lab File ID: 63569_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	0.7613	0.9878		13.0	10.0	29.8	30.0
Dichlorodifluoromethane	Ave	3.134	3.684		11.8	10.0	17.5	30.0
Chlorodifluoromethane	Ave	1.815	2.074		11.4	10.0	14.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.299	3.919		11.9	10.0	18.8	30.0
Chloromethane	Ave	1.074	1.215		11.3	10.0	13.2	30.0
n-Butane	Ave	2.472	2.013		8.14	10.0	-18.6	30.0
Vinyl chloride	Ave	1.834	1.448		7.89	10.0	-21.0	30.0
1,3-Butadiene	Ave	1.457	1.070		7.35	10.0	-26.5	30.0
Bromomethane	Ave	1.231	1.419		11.5	10.0	15.3	30.0
Chloroethane	Ave	0.7280	0.8090		11.1	10.0	11.1	30.0
Isopentane	Ave	1.455	1.607		11.0	10.0	10.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.203	1.354		11.3	10.0	12.6	30.0
Trichlorofluoromethane	Ave	3.284	3.504		10.7	10.0	6.7	30.0
n-Pentane	Ave	2.370	2.471		10.4	10.0	4.3	30.0
Ethanol	Ave	0.6566	0.6720		15.4	15.0	2.3	30.0
Ethyl ether	Ave	0.995	1.056		10.6	10.0	6.1	30.0
Acrolein	Ave	0.5604	0.5634		11.8	11.7	0.5	30.0
1,1-Dichloroethene	Ave	1.404	1.456		10.4	10.0	3.7	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.041	3.058		10.1	10.0	0.6	30.0
Acetone	Ave	2.302	2.047		8.89	10.0	-11.1	30.0
Isopropyl alcohol	Ave	2.332	2.159		10.7	11.6	-7.4	30.0
Carbon disulfide	Ave	4.505	4.375		9.71	10.0	-2.9	30.0
Acetonitrile	Ave	1.186	1.071		9.03	10.0	-9.7	30.0
3-Chloropropene	Ave	2.035	1.805		8.87	10.0	-11.3	30.0
Methylene Chloride	Ave	1.895	1.660		8.76	10.0	-12.4	30.0
tert-Butyl alcohol	Ave	3.024	2.782		9.20	10.0	-8.0	30.0
Acrylonitrile	Ave	1.206	1.066		8.84	10.0	-11.6	30.0
trans-1,2-Dichloroethene	Ave	2.314	2.089		9.03	10.0	-9.7	30.0
Methyl tert-butyl ether	Ave	4.100	3.873		9.44	10.0	-5.5	30.0
n-Hexane	Ave	2.437	2.247		9.22	10.0	-7.8	30.0
1,1-Dichloroethane	Ave	2.947	2.657		9.01	10.0	-9.9	30.0
Vinyl acetate	Ave	3.302	2.847		9.82	11.4	-13.8	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.8062	0.7333		9.09	10.0	-9.0	30.0
cis-1,2-Dichloroethene	Ave	1.589	1.561		9.82	10.0	-1.8	30.0
Ethyl acetate	Ave	0.1310	0.1277		9.74	10.0	-2.5	30.0
Tetrahydrofuran	Ave	0.3851	0.3339		8.67	10.0	-13.3	30.0
Chloroform	Ave	3.305	3.027		9.16	10.0	-8.4	30.0
1,1,1-Trichloroethane	Ave	0.6362	0.5970		9.38	10.0	-6.2	30.0
Cyclohexane	Ave	0.4114	0.4014		9.75	10.0	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: CCVIS 200-212534/2 Calibration Date: 01/03/2025 07:54

Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06

Lab File ID: 63569_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	0.6227	0.6042		9.70	10.0	-3.0	30.0
Benzene	Ave	1.009	0.9505		9.42	10.0	-5.8	30.0
1,2-Dichloroethane	Ave	0.4492	0.3866		8.61	10.0	-13.9	30.0
2,2,4-Trimethylpentane	Ave	1.624	1.522		9.37	10.0	-6.3	30.0
n-Heptane	Ave	0.5931	0.5414		9.13	10.0	-8.7	30.0
n-Butanol	Ave	0.2335	0.2144		9.18	10.0	-8.2	30.0
Trichloroethene	Ave	0.4367	0.4158		9.52	10.0	-4.8	30.0
1,2-Dichloropropane	Ave	0.4102	0.3712		9.05	10.0	-9.5	30.0
Methyl methacrylate	Ave	0.3687	0.3426		9.29	10.0	-7.1	30.0
1,4-Dioxane	Ave	0.2185	0.1984		9.08	10.0	-9.2	30.0
Dibromomethane	Ave	0.3484	0.3573		10.3	10.0	2.6	30.0
Bromodichloromethane	Ave	0.7333	0.6767		9.23	10.0	-7.7	30.0
cis-1,3-Dichloropropene	Ave	0.6263	0.5973		9.53	10.0	-4.6	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.7814	0.6894		8.82	10.0	-11.8	30.0
Toluene	Ave	0.7265	0.7228		9.95	10.0	-0.5	30.0
n-Octane	Ave	0.8126	0.7509		9.24	10.0	-7.6	30.0
trans-1,3-Dichloropropene	Ave	0.5009	0.4713		9.41	10.0	-5.9	30.0
1,1,2-Trichloroethane	Ave	0.4123	0.3823		9.27	10.0	-7.3	30.0
Tetrachloroethene	Ave	0.5168	0.5512		10.7	10.0	6.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7905	0.7185		9.09	10.0	-9.1	30.0
Dibromochloromethane	Ave	0.7254	0.7317		10.1	10.0	0.9	30.0
1,2-Dibromoethane	Ave	0.6880	0.6678		9.71	10.0	-2.9	30.0
Chlorobenzene	Ave	0.9689	0.9500		9.80	10.0	-1.9	30.0
Ethylbenzene	Ave	1.618	1.581		9.77	10.0	-2.3	30.0
m,p-Xylene	Ave	0.5881	0.5947		20.2	20.0	1.1	30.0
n-Nonane	Ave	0.8632	0.8044		9.32	10.0	-6.8	30.0
o-Xylene	Ave	0.5513	0.5681		10.3	10.0	3.1	30.0
Styrene	Ave	0.9064	0.9400		10.4	10.0	3.7	30.0
Bromoform	Ave	0.6418	0.6867		10.7	10.0	7.0	30.0
Cumene	Ave	1.641	1.696		10.3	10.0	3.3	30.0
1,1,2,2-Tetrachloroethane	Ave	1.085	1.004		9.25	10.0	-7.5	30.0
1,2,3-Trichloropropane	Ave	0.8443	0.7611		9.01	10.0	-9.8	30.0
n-Propylbenzene	Ave	2.145	2.141		9.98	10.0	-0.2	30.0
2-Chlorotoluene	Ave	1.425	1.334		9.36	10.0	-6.4	30.0
4-Ethyltoluene	Ave	1.642	1.688		10.3	10.0	2.8	30.0
1,3,5-Trimethylbenzene	Ave	1.387	1.402		10.1	10.0	1.1	30.0
n-Decane	Ave	1.134	1.031		9.08	10.0	-9.1	30.0
Alpha Methyl Styrene	Ave	0.6791	0.7335		10.8	10.0	8.0	30.0
tert-Butylbenzene	Ave	1.273	1.320		10.4	10.0	3.7	30.0
1,2,4-Trimethylbenzene	Ave	1.377	1.418		10.3	10.0	3.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Lab Sample ID: CCVIS 200-212534/2 Calibration Date: 01/03/2025 07:54
 Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06
 Lab File ID: 63569_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	2.033	2.075		10.2	10.0	2.1	30.0
1,3-Dichlorobenzene	Ave	0.9350	0.9636		10.3	10.0	3.1	30.0
4-Isopropyltoluene	Ave	1.618	1.716		10.6	10.0	6.0	30.0
1,4-Dichlorobenzene	Ave	0.9342	0.9602		10.3	10.0	2.8	30.0
Benzyl chloride	Ave	1.315	1.375		10.5	10.0	4.6	30.0
n-Butylbenzene	Ave	1.714	1.733		10.1	10.0	1.1	30.0
1,2-Dichlorobenzene	Ave	0.9007	0.9233		10.2	10.0	2.5	30.0
n-Undecane	Ave	1.184	1.087		9.18	10.0	-8.2	30.0
n-Dodecane	Ave	1.022	0.9834		9.62	10.0	-3.8	30.0
1,2,4-Trichlorobenzene	Ave	0.6090	0.6022		11.6	11.7	-1.1	30.0
Hexachlorobutadiene	Ave	0.5115	0.5527		12.1	11.2	8.1	30.0
Naphthalene	Ave	1.348	1.394		12.3	11.9	3.4	30.0
1,2,3-Trichlorobenzene	Ave	0.5699	0.5559		11.4	11.6	-2.5	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_002.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 03-Jan-2025 07:54:43 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063569-002
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 09:47:48 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: F7XK

Date: 06-Jan-2025 09:47:48

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	4.278	0.000	98	316317	10.0	13.0	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	1179702	10.0	11.8	
3 Chlorodifluoromethane	51	4.428	4.428	0.000	97	664126	10.0	11.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	0.000	96	1254822	10.0	11.9	
5 Chloromethane	50	4.877	4.877	0.000	99	389075	10.0	11.3	
11 BFB									
7 Butane	43	5.177	5.177	0.000	100	644680	10.0	8.14	
6 Vinyl chloride	62	5.182	5.182	0.000	99	463796	10.0	7.89	
8 Butadiene	54	5.294	5.294	0.000	92	342698	10.0	7.35	
9 Bromomethane	94	6.049	6.049	0.000	99	454460	10.0	11.5	
10 Chloroethane	64	6.327	6.327	0.000	99	259059	10.0	11.1	
12 2-Methylbutane	43	6.535	6.535	0.000	95	514707	10.0	11.0	
13 Vinyl bromide	106	6.760	6.760	0.000	99	433637	10.0	11.3	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	99	1121941	10.0	10.7	
15 Pentane	43	7.129	7.129	0.000	96	791194	10.0	10.4	
16 Ethanol	45	7.333	7.333	0.000	98	322915	15.0	15.4	
18 Ethyl ether	59	7.557	7.557	0.000	92	338179	10.0	10.6	
19 Acrolein	56	7.814	7.814	0.000	95	211272	11.7	11.8	
20 1,1-Dichloroethene	96	8.007	8.007	0.000	96	466147	10.0	10.4	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.044	8.044	0.000	95	979258	10.0	10.1	
22 Acetone	43	8.103	8.103	0.000	97	655437	10.0	8.89	
23 Isopropyl alcohol	45	8.408	8.408	0.000	100	801475	11.6	10.7	
24 Carbon disulfide	76	8.413	8.413	0.000	99	1401056	10.0	9.71	
25 Acetonitrile	41	8.627	8.627	0.000	99	342996	10.0	9.03	
26 3-Chloro-1-propene	41	8.718	8.718	0.000	95	578099	10.0	8.87	
27 Methylene Chloride	49	8.964	8.964	0.000	94	531550	10.0	8.76	
28 2-Methyl-2-propanol	59	9.194	9.194	0.000	100	891007	10.0	9.20	
29 Acrylonitrile	53	9.382	9.382	0.000	95	341265	10.0	8.84	M
30 trans-1,2-Dichloroethene	61	9.456	9.456	0.000	98	668997	10.0	9.03	
31 Methyl tert-butyl ether	73	9.462	9.462	0.000	97	1240287	10.0	9.44	
32 Hexane	57	9.970	9.970	0.000	92	719474	10.0	9.22	

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	18.8	
33 1,1-Dichloroethane	63	10.248	10.248	0.000	99	850722	10.0	9.01	
34 Vinyl acetate	43	10.254	10.254	0.000	100	1038441	11.4	9.82	
36 2-Butanone (MEK)	72	11.238	11.238	0.000	99	234809	10.0	9.09	
37 cis-1,2-Dichloroethene	96	11.259	11.259	0.000	94	499784	10.0	9.82	
38 Ethyl acetate	88	11.307	11.307	0.000	100	40899	10.0	9.74	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	94	320288	10.0	10.0	
40 Tetrahydrofuran	42	11.709	11.709	0.000	92	512705	10.0	8.67	
41 Chloroform	83	11.859	11.859	0.000	95	969214	10.0	9.16	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	99	916807	10.0	9.38	
43 Cyclohexane	84	12.286	12.286	0.000	99	616483	10.0	9.75	
44 Carbon tetrachloride	117	12.431	12.431	0.000	98	927919	10.0	9.70	
45 Benzene	78	12.789	12.789	0.000	96	1459710	10.0	9.42	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	94	593693	10.0	8.61	
47 Isooctane	57	12.993	12.993	0.000	99	2337683	10.0	9.37	
48 n-Heptane	43	13.303	13.303	0.000	92	831434	10.0	9.13	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	95	1536016	10.0	10.0	
50 n-Butanol	56	13.779	13.779	0.000	88	329261	10.0	9.18	
51 Trichloroethene	95	13.966	13.966	0.000	97	638614	10.0	9.52	
A 52 GRO	1	14.261	(6.525-21.996)	0	203367316	649.9	0		
53 1,2-Dichloropropane	63	14.432	14.432	0.000	94	570127	10.0	9.05	
54 Methyl methacrylate	69	14.512	14.512	0.000	99	526181	10.0	9.29	
55 1,4-Dioxane	88	14.565	14.565	0.000	94	304744	10.0	9.08	
57 Dibromomethane	174	14.592	14.592	0.000	96	548672	10.0	10.3	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	1039269	10.0	9.23	
A 60 TVOC as Toluene	1	15.643	(4.268-27.019)	0	307611702	899.8	0		
59 cis-1,3-Dichloropropene	75	15.710	15.710	0.000	91	917265	10.0	9.53	
61 4-Methyl-2-pentanone (MIBK)	43	15.978	15.978	0.000	96	1058758	10.0	8.82	
62 Toluene	92	16.347	16.347	0.000	94	1007223	10.0	9.95	
A 63 Toluene Range	1	16.355	(16.277-16.433)	0	4015140	NC	NC		
A 65 C8 Range	1	16.572	(16.486-16.657)	0	4416462	NC	NC		
64 n-Octane	43	16.577	16.577	0.000	92	1153162	10.0	9.24	
66 trans-1,3-Dichloropropene	75	16.770	16.770	0.000	96	723763	10.0	9.41	
67 1,1,2-Trichloroethane	83	17.149	17.149	0.000	96	532714	10.0	9.27	
68 Tetrachloroethene	166	17.331	17.331	0.000	97	768161	10.0	10.7	
69 2-Hexanone	43	17.561	17.561	0.000	95	1001236	10.0	9.09	
70 Chlorodibromomethane	129	17.888	17.888	0.000	98	1019730	10.0	10.1	
71 Ethylene Dibromide	107	18.128	18.128	0.000	99	930688	10.0	9.71	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	87	1393845	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	94	1323954	10.0	9.80	
75 Ethylbenzene	91	19.284	19.284	0.000	98	2203701	10.0	9.77	
76 m-Xylene & p-Xylene	106	19.541	19.541	0.000	0	1657569	20.0	20.2	
77 n-Nonane	57	19.589	19.589	0.000	91	1120963	10.0	9.32	
S 80 Xylenes, Total	106				0		30.0	30.5	
78 o-Xylene	106	20.311	20.311	0.000	99	791736	10.0	10.3	
79 Styrene	104	20.349	20.349	0.000	99	1309915	10.0	10.4	
81 Bromoform	173	20.691	20.691	0.000	96	956979	10.0	10.7	
82 Isopropylbenzene	105	20.985	20.985	0.000	98	2363345	10.0	10.3	
83 1,1,2,2-Tetrachloroethane	83	21.504	21.504	0.000	97	1398865	10.0	9.25	
84 1,2,3-Trichloropropane	75	21.600	21.600	0.000	100	1060683	10.0	9.01	
85 N-Propylbenzene	91	21.681	21.681	0.000	99	2983785	10.0	9.98	
86 2-Chlorotoluene	91	21.830	21.830	0.000	95	1858808	10.0	9.36	M

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	21.873	21.873	0.000	98	2351767	10.0	10.3	
88 1,3,5-Trimethylbenzene	105	21.964	21.964	0.000	93	1954074	10.0	10.1	
89 n-Decane	57	21.986	21.986	0.000	91	1436155	10.0	9.08	
90 Alpha Methyl Styrene	118	22.291	22.291	0.000	88	1022130	10.0	10.8	
91 tert-Butylbenzene	119	22.446	22.446	0.000	93	1839594	10.0	10.4	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	1976606	10.0	10.3	
93 sec-Butylbenzene	105	22.761	22.761	0.000	99	2891409	10.0	10.2	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	99	1342908	10.0	10.3	
95 4-Isopropyltoluene	119	22.970	22.970	0.000	97	2390770	10.0	10.6	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	94	1338150	10.0	10.3	
97 Benzyl chloride	91	23.232	23.232	0.000	99	1916574	10.0	10.5	
98 n-Butylbenzene	91	23.537	23.537	0.000	98	2415541	10.0	10.1	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	95	1286732	10.0	10.2	
100 Undecane	57	23.676	23.676	0.000	95	1514288	10.0	9.18	
101 Dodecane	57	25.297	25.297	0.000	97	1370437	10.0	9.62	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	984383	11.7	11.6	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	865669	11.2	12.1	
104 Naphthalene	128	26.581	26.581	0.000	99	2309790	11.9	12.3	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	902455	11.6	11.4	
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_00831

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 06-Jan-2025 09:47:49

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_002.D

Injection Date: 03-Jan-2025 07:54:43

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

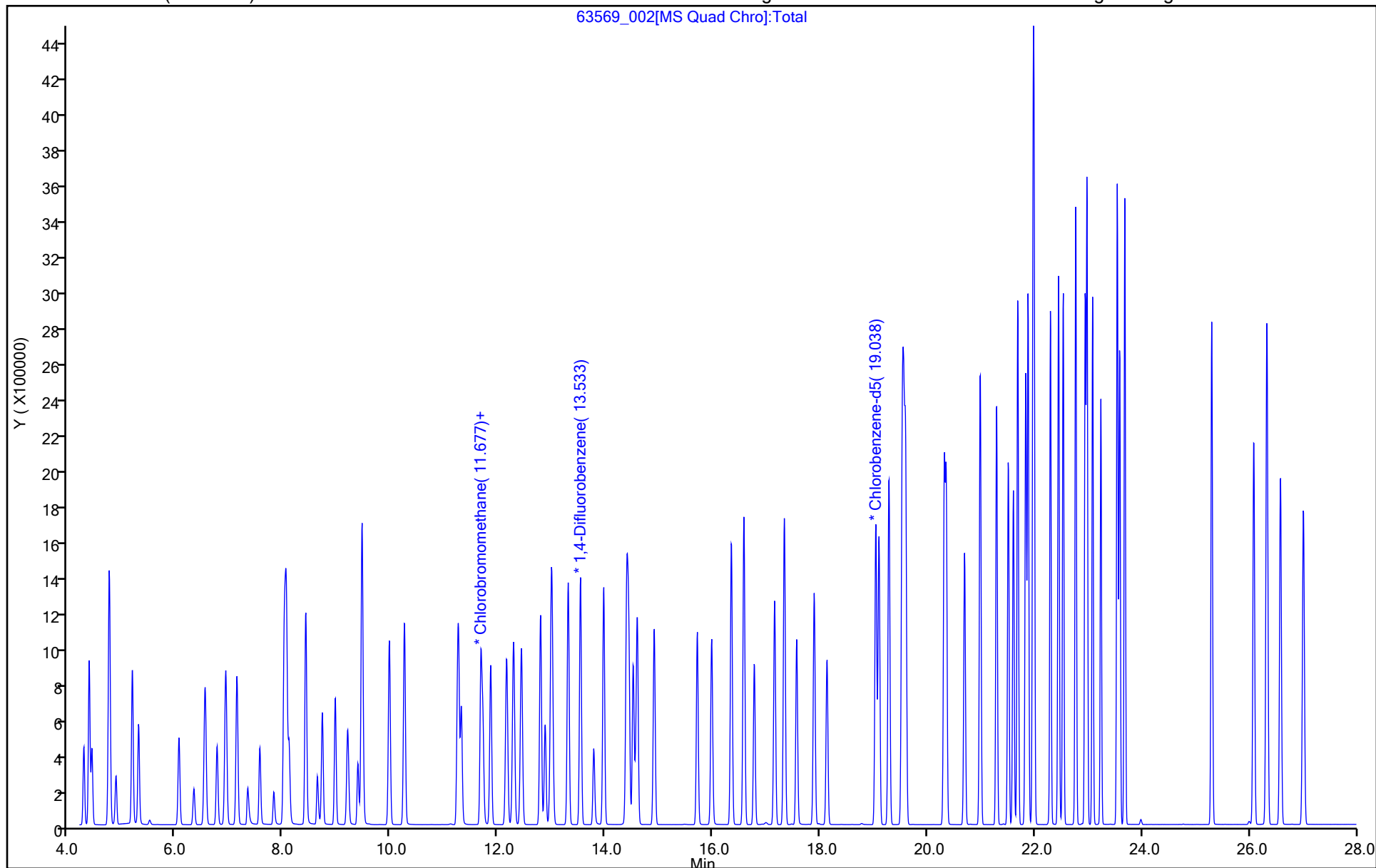
ALS Bottle#: 1

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_002.D

Injection Date: 03-Jan-2025 07:54:43

Instrument ID: CHAM.i

Lims ID: ccvis

Client ID:

Operator ID: vtp

ALS Bottle#:

1

Worklist Smp#: 2

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

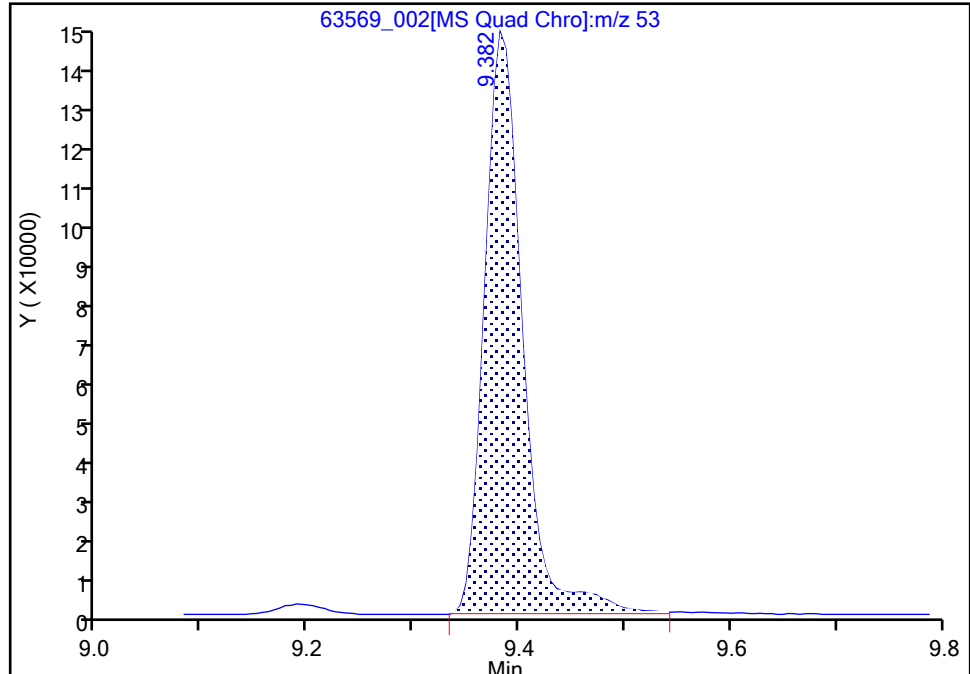
MS SCAN

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

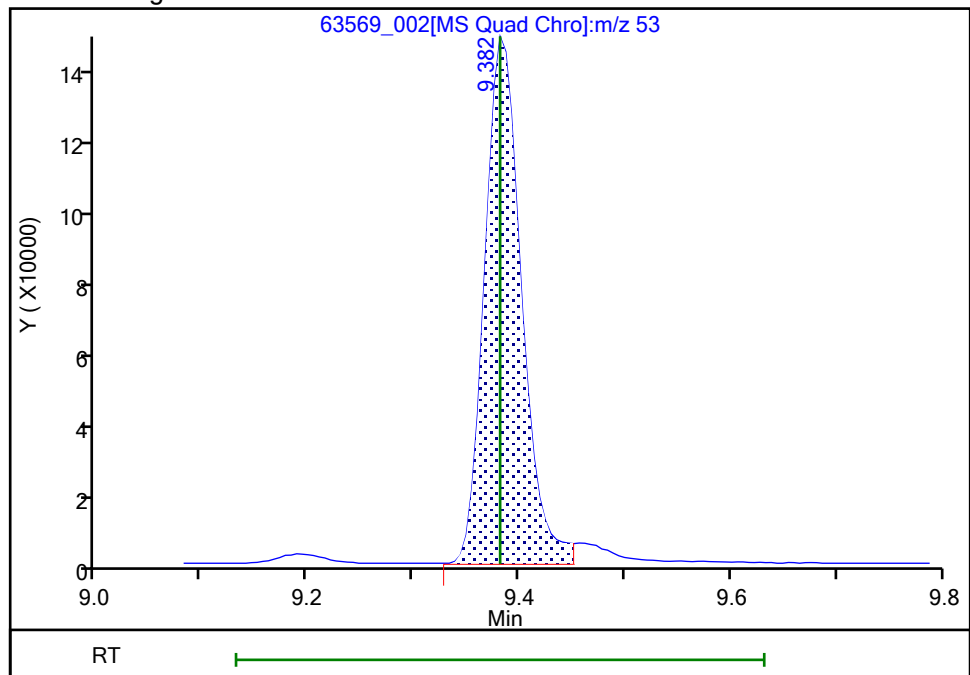
RT: 9.38
Area: 354431
Amount: 9.177630
Amount Units: ppb v/v

Processing Integration Results



RT: 9.38
Area: 341265
Amount: 8.836710
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 09:46:44 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_002.D

Injection Date: 03-Jan-2025 07:54:43

Instrument ID: CHAM.i

Lims ID: ccvis

Client ID:

Operator ID: vtp

ALS Bottle#:

1

Worklist Smp#: 2

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

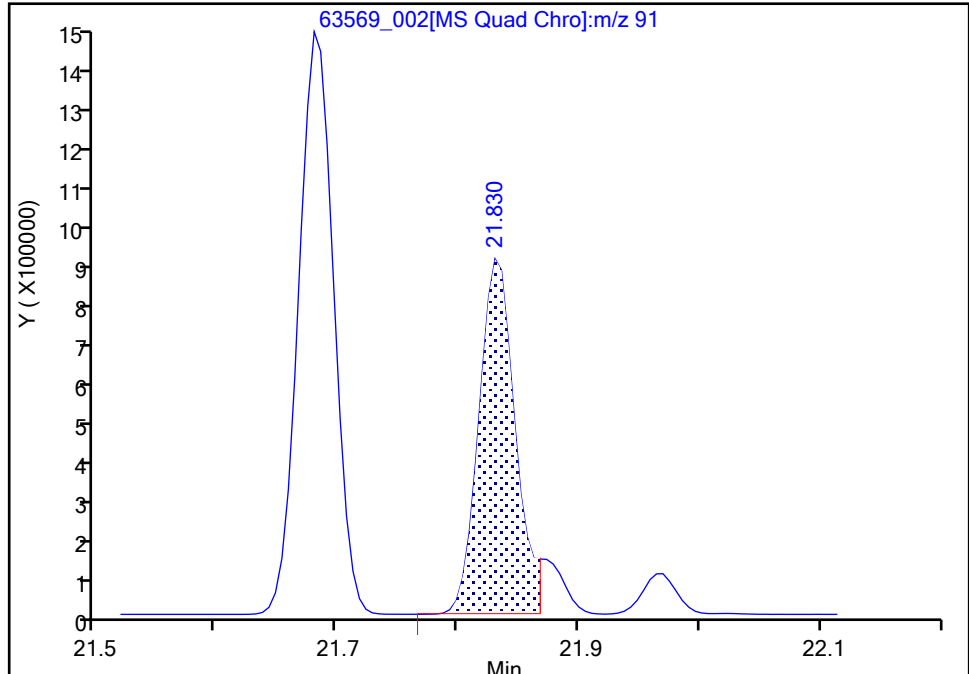
MS SCAN

86 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

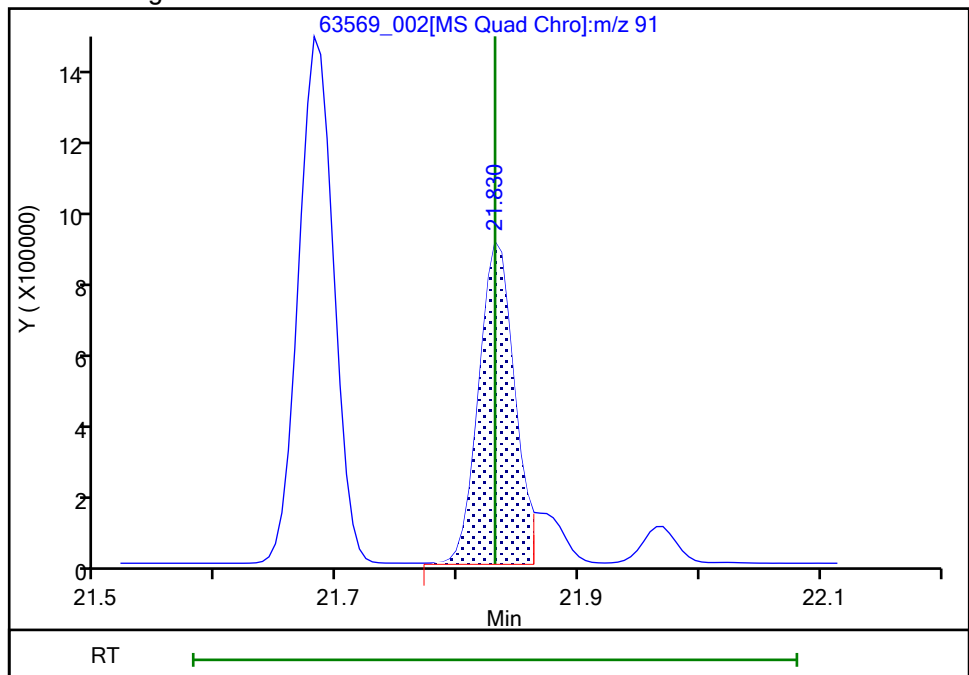
RT: 21.83
Area: 1903872
Amount: 9.584423
Amount Units: ppb v/v

Processing Integration Results



RT: 21.83
Area: 1858808
Amount: 9.357563
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 09:47:23 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: CCVIS 200-212559/2 Calibration Date: 01/04/2025 09:39

Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06

Lab File ID: 63582_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	0.7613	0.8783		11.5	10.0	15.4	30.0
Dichlorodifluoromethane	Ave	3.134	3.231		10.3	10.0	3.1	30.0
Chlorodifluoromethane	Ave	1.815	1.911		10.5	10.0	5.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.299	3.509		10.6	10.0	6.3	30.0
Chloromethane	Ave	1.074	1.147		10.7	10.0	6.8	30.0
n-Butane	Ave	2.472	2.511		10.2	10.0	1.6	30.0
Vinyl chloride	Ave	1.834	1.718		9.36	10.0	-6.4	30.0
1,3-Butadiene	Ave	1.457	1.309		8.99	10.0	-10.1	30.0
Bromomethane	Ave	1.231	1.305		10.6	10.0	6.1	30.0
Chloroethane	Ave	0.7280	0.7748		10.6	10.0	6.4	30.0
Isopentane	Ave	1.455	1.635		11.2	10.0	12.4	30.0
Bromoethene (Vinyl Bromide)	Ave	1.203	1.260		10.5	10.0	4.8	30.0
Trichlorofluoromethane	Ave	3.284	3.360		10.2	10.0	2.3	30.0
n-Pentane	Ave	2.370	2.622		11.1	10.0	10.6	30.0
Ethanol	Ave	0.6566	0.7097		16.2	15.0	8.1	30.0
Ethyl ether	Ave	0.995	1.081		10.9	10.0	8.7	30.0
Acrolein	Ave	0.5604	0.5900		12.3	11.7	5.3	30.0
1,1-Dichloroethene	Ave	1.404	1.439		10.2	10.0	2.5	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.041	3.039		9.99	10.0	-0.0	30.0
Acetone	Ave	2.302	2.320		10.1	10.0	0.8	30.0
Isopropyl alcohol	Ave	2.332	2.425		12.0	11.6	4.0	30.0
Carbon disulfide	Ave	4.505	4.591		10.2	10.0	1.9	30.0
Acetonitrile	Ave	1.186	1.266		10.7	10.0	6.8	30.0
3-Chloropropene	Ave	2.035	2.111		10.4	10.0	3.7	30.0
Methylene Chloride	Ave	1.895	1.932		10.2	10.0	1.9	30.0
tert-Butyl alcohol	Ave	3.024	3.024		10.0	10.0	-0.0	30.0
Acrylonitrile	Ave	1.206	1.264		10.5	10.0	4.8	30.0
trans-1,2-Dichloroethene	Ave	2.314	2.331		10.1	10.0	0.7	30.0
Methyl tert-butyl ether	Ave	4.100	4.165		10.2	10.0	1.6	30.0
n-Hexane	Ave	2.437	2.519		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	2.947	2.968		10.1	10.0	0.7	30.0
Vinyl acetate	Ave	3.302	3.148		10.9	11.4	-4.7	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.8062	0.7821		9.70	10.0	-3.0	30.0
cis-1,2-Dichloroethene	Ave	1.589	1.611		10.1	10.0	1.4	30.0
Ethyl acetate	Ave	0.1310	0.1302		9.93	10.0	-0.6	30.0
Tetrahydrofuran	Ave	0.3851	0.3956		10.3	10.0	2.7	30.0
Chloroform	Ave	3.305	3.235		9.79	10.0	-2.1	30.0
1,1,1-Trichloroethane	Ave	0.6362	0.6266		9.85	10.0	-1.5	30.0
Cyclohexane	Ave	0.4114	0.4160		10.1	10.0	1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Lab Sample ID: CCVIS 200-212559/2 Calibration Date: 01/04/2025 09:39
 Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06
 Lab File ID: 63582_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	0.6227	0.6281		10.1	10.0	0.9	30.0
Benzene	Ave	1.009	1.003		9.94	10.0	-0.6	30.0
1,2-Dichloroethane	Ave	0.4492	0.4339		9.66	10.0	-3.4	30.0
2,2,4-Trimethylpentane	Ave	1.624	1.703		10.5	10.0	4.8	30.0
n-Heptane	Ave	0.5931	0.6357		10.7	10.0	7.2	30.0
n-Butanol	Ave	0.2335	0.2367		10.1	10.0	1.3	30.0
Trichloroethene	Ave	0.4367	0.4315		9.88	10.0	-1.2	30.0
1,2-Dichloropropane	Ave	0.4102	0.4117		10.0	10.0	0.4	30.0
Methyl methacrylate	Ave	0.3687	0.3683		9.99	10.0	-0.1	30.0
1,4-Dioxane	Ave	0.2185	0.2057		9.41	10.0	-5.9	30.0
Dibromomethane	Ave	0.3484	0.3503		10.1	10.0	0.5	30.0
Bromodichloromethane	Ave	0.7333	0.7294		9.94	10.0	-0.5	30.0
cis-1,3-Dichloropropene	Ave	0.6263	0.6366		10.2	10.0	1.6	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.7814	0.8066		10.3	10.0	3.2	30.0
Toluene	Ave	0.7265	0.7399		10.2	10.0	1.8	30.0
n-Octane	Ave	0.8126	0.8867		10.9	10.0	9.1	30.0
trans-1,3-Dichloropropene	Ave	0.5009	0.5055		10.1	10.0	0.9	30.0
1,1,2-Trichloroethane	Ave	0.4123	0.4064		9.85	10.0	-1.4	30.0
Tetrachloroethene	Ave	0.5168	0.5392		10.4	10.0	4.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7905	0.8339		10.5	10.0	5.5	30.0
Dibromochloromethane	Ave	0.7254	0.7383		10.2	10.0	1.8	30.0
1,2-Dibromoethane	Ave	0.6880	0.6810		9.90	10.0	-1.0	30.0
Chlorobenzene	Ave	0.9689	0.9620		9.93	10.0	-0.7	30.0
Ethylbenzene	Ave	1.618	1.642		10.1	10.0	1.5	30.0
m,p-Xylene	Ave	0.5881	0.6112		20.8	20.0	3.9	30.0
n-Nonane	Ave	0.8632	0.9021		10.4	10.0	4.5	30.0
o-Xylene	Ave	0.5513	0.5770		10.5	10.0	4.7	30.0
Styrene	Ave	0.9064	0.9658		10.7	10.0	6.6	30.0
Bromoform	Ave	0.6418	0.6805		10.6	10.0	6.0	30.0
Cumene	Ave	1.641	1.744		10.6	10.0	6.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.085	1.072		9.88	10.0	-1.2	30.0
1,2,3-Trichloropropane	Ave	0.8443	0.8242		9.76	10.0	-2.4	30.0
n-Propylbenzene	Ave	2.145	2.252		10.5	10.0	5.0	30.0
2-Chlorotoluene	Ave	1.425	1.441		10.1	10.0	1.1	30.0
4-Ethyltoluene	Ave	1.642	1.738		10.6	10.0	5.9	30.0
1,3,5-Trimethylbenzene	Ave	1.387	1.455		10.5	10.0	4.9	30.0
n-Decane	Ave	1.134	1.166		10.3	10.0	2.8	30.0
Alpha Methyl Styrene	Ave	0.6791	0.7410		10.9	10.0	9.1	30.0
tert-Butylbenzene	Ave	1.273	1.352		10.6	10.0	6.2	30.0
1,2,4-Trimethylbenzene	Ave	1.377	1.462		10.6	10.0	6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Lab Sample ID: CCVIS 200-212559/2 Calibration Date: 01/04/2025 09:39
 Instrument ID: CHAM.i Calib Start Date: 12/20/2024 17:03
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/21/2024 11:06
 Lab File ID: 63582_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	2.033	2.163		10.6	10.0	6.4	30.0
1,3-Dichlorobenzene	Ave	0.9350	0.9745		10.4	10.0	4.2	30.0
4-Isopropyltoluene	Ave	1.618	1.756		10.9	10.0	8.6	30.0
1,4-Dichlorobenzene	Ave	0.9342	0.9733		10.4	10.0	4.2	30.0
Benzyl chloride	Ave	1.315	1.435		10.9	10.0	9.1	30.0
n-Butylbenzene	Ave	1.714	1.842		10.7	10.0	7.4	30.0
1,2-Dichlorobenzene	Ave	0.9007	0.9391		10.4	10.0	4.3	30.0
n-Undecane	Ave	1.184	1.209		10.2	10.0	2.1	30.0
n-Dodecane	Ave	1.022	1.066		10.4	10.0	4.3	30.0
1,2,4-Trichlorobenzene	Ave	0.6090	0.5911		11.4	11.7	-2.9	30.0
Hexachlorobutadiene	Ave	0.5115	0.5335		11.7	11.2	4.3	30.0
Naphthalene	Ave	1.348	1.410		12.4	11.9	4.6	30.0
1,2,3-Trichlorobenzene	Ave	0.5699	0.5457		11.2	11.6	-4.2	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_002.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 04-Jan-2025 09:39:07 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063582-002
 Operator ID: vtp Instrument ID: CHAM.i
 Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 07:01:51 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1671

First Level Reviewer: YWL8

Date: 06-Jan-2025 07:01:51

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	4.273	4.273	0.000	99	239906	10.0	11.5	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	882608	10.0	10.3	
3 Chlorodifluoromethane	51	4.422	4.422	0.000	97	522020	10.0	10.5	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	0.000	96	958337	10.0	10.6	
5 Chloromethane	50	4.877	4.877	0.000	99	313207	10.0	10.7	
11 BFB									
7 Butane	43	5.177	5.177	0.000	99	685964	10.0	10.2	
6 Vinyl chloride	62	5.182	5.182	0.000	78	469126	10.0	9.36	
8 Butadiene	54	5.295	5.295	0.000	93	357549	10.0	8.99	
9 Bromomethane	94	6.049	6.049	0.000	99	356533	10.0	10.6	
10 Chloroethane	64	6.327	6.327	0.000	100	211628	10.0	10.6	
12 2-Methylbutane	43	6.536	6.536	0.000	94	446541	10.0	11.2	
13 Vinyl bromide	106	6.755	6.755	0.000	99	344152	10.0	10.5	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	99	917829	10.0	10.2	
15 Pentane	43	7.129	7.129	0.000	96	716105	10.0	11.1	
16 Ethanol	45	7.333	7.333	0.000	98	290898	15.0	16.2	
18 Ethyl ether	59	7.557	7.557	0.000	95	295374	10.0	10.9	
19 Acrolein	56	7.814	7.814	0.000	96	188698	11.7	12.3	
20 1,1-Dichloroethene	96	8.007	8.007	0.000	95	392973	10.0	10.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	93	830185	10.0	10.0	
22 Acetone	43	8.103	8.103	0.000	97	633570	10.0	10.1	
23 Isopropyl alcohol	45	8.408	8.408	0.000	100	767719	11.6	12.0	
24 Carbon disulfide	76	8.413	8.413	0.000	100	1253870	10.0	10.2	
25 Acetonitrile	41	8.627	8.627	0.000	99	345812	10.0	10.7	
26 3-Chloro-1-propene	41	8.718	8.718	0.000	95	576534	10.0	10.4	
27 Methylene Chloride	49	8.959	8.959	0.000	97	527661	10.0	10.2	
28 2-Methyl-2-propanol	59	9.194	9.194	0.000	99	825929	10.0	10.0	
29 Acrylonitrile	53	9.382	9.382	0.000	95	345286	10.0	10.5	
30 trans-1,2-Dichloroethene	61	9.457	9.457	0.000	95	636575	10.0	10.1	
31 Methyl tert-butyl ether	73	9.462	9.462	0.000	98	1137691	10.0	10.2	
32 Hexane	57	9.970	9.970	0.000	94	687947	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
S 35 1,2-Dichloroethene, Total	61				0		20.0	20.2	
33 1,1-Dichloroethane	63	10.248	10.248	0.000	99	810723	10.0	10.1	
34 Vinyl acetate	43	10.254	10.254	0.000	100	979386	11.4	10.9	
36 2-Butanone (MEK)	72	11.238	11.238	0.000	100	213626	10.0	9.70	
37 cis-1,2-Dichloroethene	96	11.260	11.260	0.000	96	439899	10.0	10.1	
38 Ethyl acetate	88	11.313	11.313	0.000	100	35564	10.0	9.93	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	99	273197	10.0	10.0	
40 Tetrahydrofuran	42	11.709	11.709	0.000	94	519678	10.0	10.3	
41 Chloroform	83	11.859	11.859	0.000	96	883716	10.0	9.79	
42 1,1,1-Trichloroethane	97	12.153	12.153	0.000	98	823273	10.0	9.85	
43 Cyclohexane	84	12.287	12.287	0.000	97	546546	10.0	10.1	
44 Carbon tetrachloride	117	12.431	12.431	0.000	97	825201	10.0	10.1	
45 Benzene	78	12.790	12.790	0.000	96	1317170	10.0	9.94	
46 1,2-Dichloroethane	62	12.870	12.870	0.000	94	570076	10.0	9.66	
47 Isooctane	57	12.993	12.993	0.000	99	2237159	10.0	10.5	
48 n-Heptane	43	13.303	13.303	0.000	94	835230	10.0	10.7	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1314047	10.0	10.0	
50 n-Butanol	56	13.779	13.779	0.000	90	310919	10.0	10.1	
51 Trichloroethene	95	13.961	13.961	0.000	94	566867	10.0	9.88	
A 52 GRO	1	14.261	(6.526-21.996)	0	187483236	649.9	0		
53 1,2-Dichloropropane	63	14.432	14.432	0.000	93	540912	10.0	10.0	
54 Methyl methacrylate	69	14.512	14.512	0.000	95	483832	10.0	9.99	
55 1,4-Dioxane	88	14.560	14.560	0.000	97	270238	10.0	9.41	
57 Dibromomethane	174	14.592	14.592	0.000	94	460170	10.0	10.1	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	958256	10.0	9.94	
A 60 TVOC as Toluene	1	15.638	(4.263-27.014)	0	281076998	899.8	0		
59 cis-1,3-Dichloropropene	75	15.705	15.705	0.000	93	836417	10.0	10.2	
61 4-Methyl-2-pentanone (MIBK)	43	15.978	15.978	0.000	97	1059642	10.0	10.3	
62 Toluene	92	16.342	16.342	0.000	94	885834	10.0	10.2	
A 63 Toluene Range	1	16.352	(16.272-16.433)	0	3640082	NC	NC		
64 n-Octane	43	16.577	16.577	0.000	94	1164996	10.0	10.9	
A 65 C8 Range	1	16.593	(16.486-16.700)	0	4259692	NC	NC		
66 trans-1,3-Dichloropropene	75	16.770	16.770	0.000	96	664167	10.0	10.1	
67 1,1,2-Trichloroethane	83	17.150	17.150	0.000	97	486532	10.0	9.85	
68 Tetrachloroethene	166	17.331	17.331	0.000	97	645569	10.0	10.4	
69 2-Hexanone	43	17.562	17.562	0.000	93	998442	10.0	10.5	
70 Chlorodibromomethane	129	17.888	17.888	0.000	98	883953	10.0	10.2	
71 Ethylene Dibromide	107	18.129	18.129	0.000	98	815345	10.0	9.90	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	88	1197544	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	92	1151815	10.0	9.93	
75 Ethylbenzene	91	19.279	19.279	0.000	99	1966547	10.0	10.1	
76 m-Xylene & p-Xylene	106	19.546	19.546	0.000	0	1463705	20.0	20.8	
77 n-Nonane	57	19.589	19.589	0.000	92	1080049	10.0	10.4	
S 80 Xylenes, Total	106				0		30.0	31.2	
78 o-Xylene	106	20.311	20.311	0.000	98	690832	10.0	10.5	
79 Styrene	104	20.349	20.349	0.000	99	1156365	10.0	10.7	
81 Bromoform	173	20.691	20.691	0.000	95	814771	10.0	10.6	
82 Isopropylbenzene	105	20.980	20.980	0.000	99	2087677	10.0	10.6	
83 1,1,2,2-Tetrachloroethane	83	21.504	21.504	0.000	97	1283531	10.0	9.88	
84 1,2,3-Trichloropropane	75	21.601	21.601	0.000	100	986826	10.0	9.76	
85 N-Propylbenzene	91	21.681	21.681	0.000	98	2695941	10.0	10.5	
86 2-Chlorotoluene	91	21.831	21.831	0.000	96	1725576	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
87 4-Ethyltoluene	105	21.873	21.873	0.000	99	2080665	10.0	10.6	
88 1,3,5-Trimethylbenzene	105	21.964	21.964	0.000	92	1741722	10.0	10.5	
89 n-Decane	57	21.986	21.986	0.000	90	1396599	10.0	10.3	
90 Alpha Methyl Styrene	118	22.291	22.291	0.000	86	887190	10.0	10.9	
91 tert-Butylbenzene	119	22.441	22.441	0.000	93	1618378	10.0	10.6	
92 1,2,4-Trimethylbenzene	105	22.526	22.526	0.000	98	1750498	10.0	10.6	
93 sec-Butylbenzene	105	22.762	22.762	0.000	99	2590151	10.0	10.6	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	99	1166725	10.0	10.4	
95 4-Isopropyltoluene	119	22.970	22.970	0.000	97	2102627	10.0	10.9	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	93	1165403	10.0	10.4	
97 Benzyl chloride	91	23.232	23.232	0.000	98	1718133	10.0	10.9	
98 n-Butylbenzene	91	23.537	23.537	0.000	98	2205116	10.0	10.7	
99 1,2-Dichlorobenzene	146	23.580	23.580	0.000	94	1124393	10.0	10.4	
100 Undecane	57	23.676	23.676	0.000	96	1447200	10.0	10.2	
101 Dodecane	57	25.297	25.297	0.000	97	1276771	10.0	10.4	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	830145	11.7	11.4	
103 Hexachlorobutadiene	225	26.324	26.324	0.000	98	718031	11.2	11.7	
104 Naphthalene	128	26.576	26.576	0.000	99	2006860	11.9	12.4	
105 1,2,3-Trichlorobenzene	180	27.004	27.004	0.000	94	761221	11.6	11.2	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00831

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_002.D

Injection Date: 04-Jan-2025 09:39:07

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

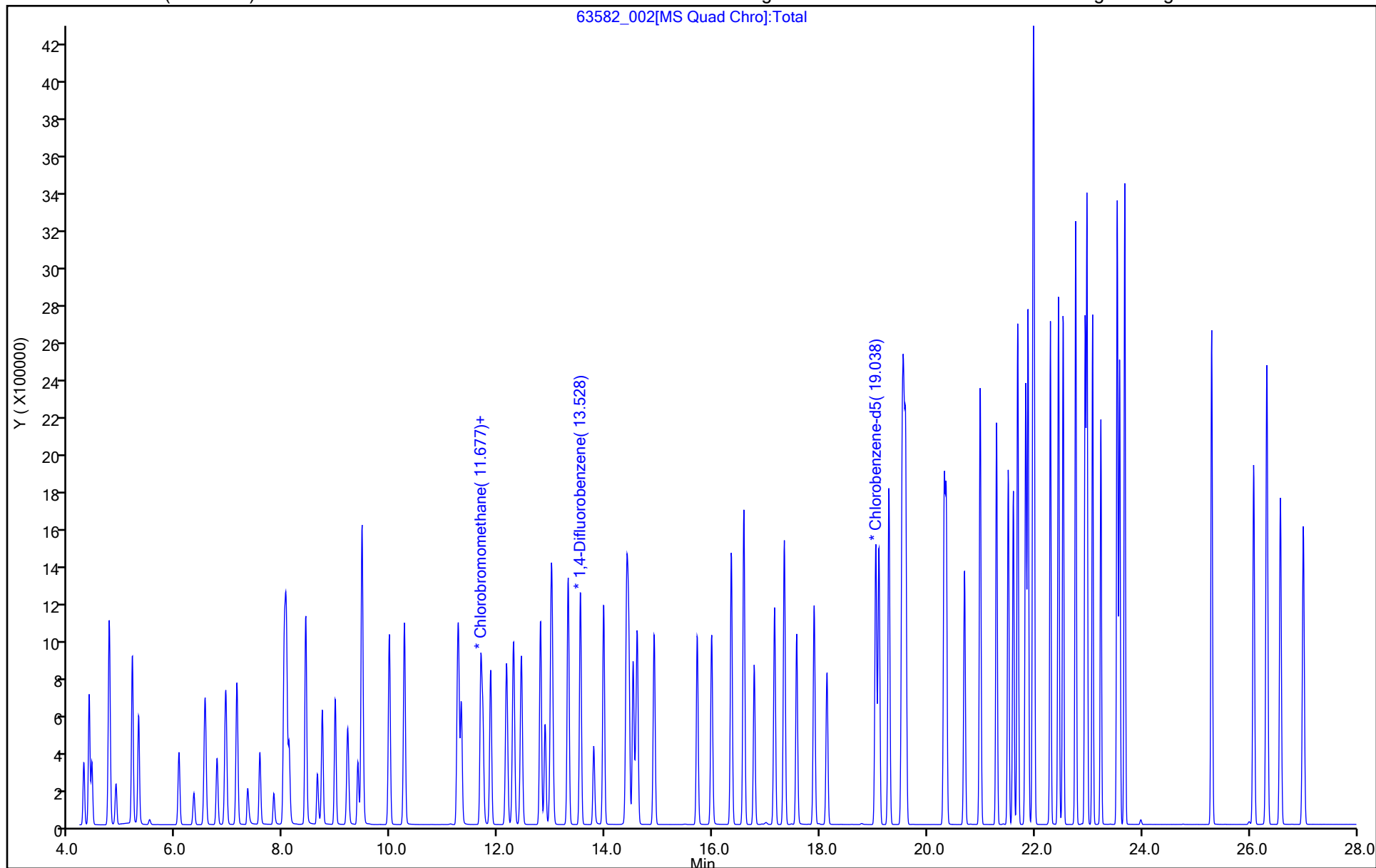
ALS Bottle#: 1

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.: 200-76392-1
 SDG No.: 200-76392-1
 Lab Sample ID: ICV 200-212230/19 Calibration Date: 12/19/2024 05:29
 Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02
 Lab File ID: 63422_019.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	1.761	1.703		9.67	10.0	-3.3	30.0
Dichlorodifluoromethane	Ave	3.656	3.689		10.1	10.0	0.9	30.0
Chlorodifluoromethane	Ave	2.870	2.842		9.90	10.0	-1.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.927	3.951		10.1	10.0	0.6	30.0
Chloromethane	Ave	1.737	1.767		10.2	10.0	1.7	30.0
Vinyl chloride	Ave	1.629	1.678		10.3	10.0	3.0	30.0
n-Butane	Ave	2.661	2.703		10.2	10.0	1.6	30.0
1,3-Butadiene	Ave	1.293	1.273		9.85	10.0	-1.5	30.0
Bromomethane	Ave	1.228	1.276		10.4	10.0	4.0	30.0
Chloroethane	Ave	0.8374	0.8834		10.5	10.0	5.5	30.0
Isopentane	Ave	2.315	2.291		9.89	10.0	-1.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.107	1.195		10.8	10.0	7.9	30.0
Trichlorofluoromethane	Ave	3.177	3.186		10.0	10.0	0.3	30.0
n-Pentane	Ave	3.359	3.293		9.80	10.0	-2.0	30.0
Ethanol	Ave	0.8505	0.7844		13.8	15.0	-7.8	30.0
Ethyl ether	Ave	1.135	1.146		10.1	10.0	0.9	30.0
Acrolein	Ave	0.5949	0.6801		11.4	10.0	14.3	30.0
1,1-Dichloroethene	Ave	1.396	1.304		9.34	10.0	-6.6	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.662	2.646		9.94	10.0	-0.6	30.0
Acetone	Ave	2.746	2.559		9.32	10.0	-6.8	30.0
Isopropyl alcohol	Ave	2.750	2.918		10.6	10.0	6.1	30.0
Carbon disulfide	Ave	4.189	4.180		9.98	10.0	-0.2	30.0
Acetonitrile	Ave	1.495	1.267		8.47	10.0	-15.2	30.0
3-Chloropropene	Ave	2.326	1.782		7.66	10.0	-23.4	30.0
Methylene Chloride	Ave	2.042	1.952		9.56	10.0	-4.4	30.0
tert-Butyl alcohol	Ave	3.238	3.111		9.60	10.0	-3.9	30.0
Acrylonitrile	Ave	1.234	1.168		9.46	10.0	-5.4	30.0
trans-1,2-Dichloroethene	Ave	2.344	2.307		9.84	10.0	-1.6	30.0
Methyl tert-butyl ether	Ave	4.140	4.108		9.92	10.0	-0.8	30.0
n-Hexane	Ave	2.578	2.550		9.89	10.0	-1.1	30.0
1,1-Dichloroethane	Ave	3.003	2.830		9.42	10.0	-5.8	30.0
Vinyl acetate	Ave	4.043	4.268		10.6	10.0	5.6	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.7730	0.7606		9.84	10.0	-1.6	30.0
cis-1,2-Dichloroethene	Ave	1.519	1.430		9.41	10.0	-5.9	30.0
Ethyl acetate	Ave	0.1197	0.1256		10.5	10.0	4.9	30.0
Tetrahydrofuran	Ave	0.4353	0.4138		9.51	10.0	-4.9	30.0
Chloroform	Ave	3.079	3.020		9.81	10.0	-1.9	30.0
1,1,1-Trichloroethane	Ave	0.5852	0.5761		9.84	10.0	-1.6	30.0
Cyclohexane	Ave	0.3815	0.3859		10.1	10.0	1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: ICV 200-212230/19 Calibration Date: 12/19/2024 05:29

Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02

Lab File ID: 63422_019.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	0.5518	0.5563		10.1	10.0	0.8	30.0
Benzene	Ave	0.9397	0.9464		10.1	10.0	0.7	30.0
1,2-Dichloroethane	Ave	0.4452	0.4209		9.45	10.0	-5.5	30.0
2,2,4-Trimethylpentane	Ave	1.685	1.682		9.98	10.0	-0.2	30.0
n-Heptane	Ave	0.7079	0.6788		9.59	10.0	-4.1	30.0
n-Butanol	Ave	0.2480	0.2265		9.13	10.0	-8.7	30.0
Trichloroethene	Ave	0.3882	0.3949		10.2	10.0	1.7	30.0
1,2-Dichloropropane	Ave	0.4044	0.4005		9.90	10.0	-1.0	30.0
Methyl methacrylate	Ave	0.3453	0.3580		10.4	10.0	3.7	30.0
1,4-Dioxane	Ave	0.1768	0.1742		9.85	10.0	-1.5	30.0
Dibromomethane	Ave	0.2811	0.2932		10.4	10.0	4.3	30.0
Bromodichloromethane	Ave	0.6866	0.6780		9.87	10.0	-1.3	30.0
cis-1,3-Dichloropropene	Ave	0.6270	0.6331		10.1	10.0	1.0	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.9005	0.8851		9.83	10.0	-1.7	30.0
Toluene	Ave	0.7119	0.7249		10.2	10.0	1.8	30.0
n-Octane	Ave	1.005	0.9577		9.52	10.0	-4.7	30.0
trans-1,3-Dichloropropene	Ave	0.4989	0.5330		10.7	10.0	6.8	30.0
1,1,2-Trichloroethane	Ave	0.3929	0.4095		10.4	10.0	4.2	30.0
Tetrachloroethene	Ave	0.4609	0.4798		10.4	10.0	4.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.9522	0.9512		9.99	10.0	-0.1	30.0
Dibromochloromethane	Ave	0.6572	0.6509		9.90	10.0	-1.0	30.0
1,2-Dibromoethane	Ave	0.6315	0.6546		10.4	10.0	3.7	30.0
Chlorobenzene	Ave	0.8879	0.9220		10.4	10.0	3.8	30.0
Ethylbenzene	Ave	1.596	1.650		10.3	10.0	3.4	30.0
m,p-Xylene	Ave	0.5683	0.5902		20.8	20.0	3.8	30.0
n-Nonane	Ave	0.9542	0.9524		9.98	10.0	-0.2	30.0
o-Xylene	Ave	0.5560	0.5789		10.4	10.0	4.1	30.0
Styrene	Ave	0.9003	0.9573		10.6	10.0	6.3	30.0
Bromoform	Ave	0.5746	0.4976		8.66	10.0	-13.4	30.0
Cumene	Ave	1.681	1.730		10.3	10.0	2.9	30.0
1,1,2,2-Tetrachloroethane	Ave	1.055	1.089		10.3	10.0	3.2	30.0
1,2,3-Trichloropropane	Ave	0.8135	0.8272		10.2	10.0	1.7	30.0
n-Propylbenzene	Ave	2.157	2.252		10.4	10.0	4.4	30.0
2-Chlorotoluene	Ave	1.329	1.365		10.3	10.0	2.7	30.0
4-Ethyltoluene	Ave	1.602	1.708		10.7	10.0	6.6	30.0
1,3,5-Trimethylbenzene	Ave	1.359	1.415		10.4	10.0	4.1	30.0
n-Decane	Ave	1.221	1.235		10.1	10.0	1.1	30.0
Alpha Methyl Styrene	Ave	0.6636	0.7117		10.7	10.0	7.2	30.0
tert-Butylbenzene	Ave	1.274	1.301		10.2	10.0	2.2	30.0
1,2,4-Trimethylbenzene	Ave	1.372	1.421		10.4	10.0	3.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Lab Sample ID: ICV 200-212230/19 Calibration Date: 12/19/2024 05:29
 Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02
 Lab File ID: 63422_019.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	2.079	2.161		10.4	10.0	3.9	30.0
1,3-Dichlorobenzene	Ave	0.8370	0.8778		10.5	10.0	4.9	30.0
4-Isopropyltoluene	Ave	1.643	1.668		10.2	10.0	1.5	30.0
1,4-Dichlorobenzene	Ave	0.8299	0.8802		10.6	10.0	6.1	30.0
Benzyl chloride	Ave	1.335	1.366		10.2	10.0	2.3	30.0
n-Butylbenzene	Ave	1.819	1.906		10.5	10.0	4.8	30.0
1,2-Dichlorobenzene	Ave	0.8204	0.8452		10.3	10.0	3.0	30.0
n-Undecane	Ave	1.412	1.351		9.57	10.0	-4.3	30.0
n-Dodecane	Ave	1.350	1.044		7.73	10.0	-22.7	30.0
1,2,4-Trichlorobenzene	Ave	0.5381	0.6191		11.5	10.0	15.1	30.0
Hexachlorobutadiene	Ave	0.4772	0.5075		10.6	10.0	6.4	30.0
Naphthalene	Ave	1.261	1.494		11.9	10.0	18.6	30.0
1,2,3-Trichlorobenzene	Ave	0.5464	0.4999		9.15	10.0	-8.5	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_019.D

Lims ID: ICV

Client ID:

Sample Type: ICV

Inject. Date: 19-Dec-2024 05:29:09

ALS Bottle#: 9

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0063422-019

Operator ID: wrd

Instrument ID: CHAN.i

Sublist:

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Dec-2024 05:05:15

Calib Date: 19-Dec-2024 02:02:33

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX1707

First Level Reviewer: BKZ7

Date: 19-Dec-2024 06:57:41

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	4.353	4.353	0.000	97	863280	10.0	9.67	
2 Dichlorodifluoromethane	85	4.455	4.449	0.006	99	1870392	10.0	10.1	
3 Chlorodifluoromethane	51	4.498	4.497	0.001	97	1441017	10.0	9.90	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	98	2003227	10.0	10.1	
11 BFB									
5 Chloromethane	50	4.931	4.931	0.000	99	895794	10.0	10.2	
6 Vinyl chloride	62	5.230	5.230	0.000	100	850837	10.0	10.3	
7 Butane	43	5.236	5.230	0.006	99	1370411	10.0	10.2	
8 Butadiene	54	5.343	5.343	0.000	96	645536	10.0	9.85	
9 Bromomethane	94	6.070	6.070	0.000	99	647132	10.0	10.4	
10 Chloroethane	64	6.338	6.338	0.000	100	447905	10.0	10.5	
12 2-Methylbutane	43	6.552	6.552	0.000	96	1161442	10.0	9.89	
13 Vinyl bromide	106	6.755	6.755	0.000	99	606036	10.0	10.8	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	1615283	10.0	10.0	
15 Pentane	43	7.130	7.130	0.001	96	1669662	10.0	9.80	
16 Ethanol	45	7.279	7.274	0.005	98	596789	15.0	13.8	
18 Ethyl ether	59	7.536	7.536	0.000	97	580941	10.0	10.1	
19 Acrolein	56	7.766	7.766	0.000	96	344803	10.0	11.4	
20 1,1-Dichloroethene	96	7.980	7.975	0.005	92	661302	10.0	9.34	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.018	8.023	-0.005	91	1341449	10.0	9.94	
22 Acetone	43	8.039	8.039	0.000	98	1297570	10.0	9.32	
23 Isopropyl alcohol	45	8.328	8.328	0.000	100	1479334	10.0	10.6	
24 Carbon disulfide	76	8.381	8.381	0.000	100	2119201	10.0	9.98	
25 Acetonitrile	41	8.537	8.537	0.001	99	642427	10.0	8.47	
26 3-Chloro-1-propene	41	8.665	8.665	0.000	93	903326	10.0	7.66	
27 Methylene Chloride	49	8.890	8.895	-0.005	99	989813	10.0	9.56	
28 2-Methyl-2-propanol	59	9.093	9.093	0.000	99	1577337	10.0	9.60	
29 Acrylonitrile	53	9.280	9.280	0.000	94	592168	10.0	9.46	
30 trans-1,2-Dichloroethene	61	9.393	9.393	0.001	94	1169654	10.0	9.84	
31 Methyl tert-butyl ether	73	9.398	9.398	0.000	98	2082882	10.0	9.92	
32 Hexane	57	9.911	9.917	-0.006	94	1292669	10.0	9.89	

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	10.152	10.158	-0.005	99	1434872	10.0	9.42	
34 Vinyl acetate	43	10.163	10.163	0.000	100	2164179	10.0	10.6	
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.3	
36 2-Butanone (MEK)	72	11.110	11.110	0.000	100	385617	10.0	9.84	
37 cis-1,2-Dichloroethene	96	11.147	11.147	0.000	98	724986	10.0	9.41	
38 Ethyl acetate	88	11.201	11.201	0.000	99	63699	10.0	10.5	
* 39 Chlorobromomethane	128	11.554	11.554	0.000	96	507122	10.0	10.0	
40 Tetrahydrofuran	42	11.597	11.597	0.000	96	1030950	10.0	9.51	
41 Chloroform	83	11.730	11.730	0.000	97	1531370	10.0	9.81	
42 1,1,1-Trichloroethane	97	12.046	12.046	0.000	98	1435282	10.0	9.84	
43 Cyclohexane	84	12.190	12.190	0.000	95	961384	10.0	10.1	
44 Carbon tetrachloride	117	12.324	12.324	0.000	96	1385928	10.0	10.1	
45 Benzene	78	12.667	12.667	0.001	98	2357984	10.0	10.1	
46 1,2-Dichloroethane	62	12.731	12.731	0.000	94	1048755	10.0	9.45	
47 Isooctane	57	12.897	12.897	0.000	99	4190815	10.0	9.98	
48 n-Heptane	43	13.202	13.202	0.001	97	1691119	10.0	9.59	
* 49 1,4-Difluorobenzene	114	13.394	13.394	0.000	97	2491898	10.0	10.0	
50 n-Butanol	56	13.603	13.603	0.000	92	564217	10.0	9.13	
51 Trichloroethene	95	13.833	13.833	0.000	93	983888	10.0	10.2	
A 52 GRO	1	14.213	(6.542-21.883)		0	348684509	649.9	0	
53 1,2-Dichloropropane	63	14.277	14.282	-0.005	78	997934	10.0	9.90	
54 Methyl methacrylate	69	14.368	14.368	0.000	92	891977	10.0	10.4	
55 1,4-Dioxane	88	14.405	14.405	0.000	98	433938	10.0	9.85	
57 Dibromomethane	174	14.432	14.432	0.000	89	730384	10.0	10.4	
58 Dichlorobromomethane	83	14.742	14.742	0.000	98	1689091	10.0	9.87	
59 cis-1,3-Dichloropropene	75	15.545	15.545	0.000	95	1577275	10.0	10.1	
A 60 TVOC as Toluene	1	15.569	(4.343-26.795)		0	520461266	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.807	15.807	0.000	96	2205235	10.0	9.83	
62 Toluene	92	16.192	16.192	0.000	93	1577502	10.0	10.2	
A 63 Toluene Range	1	16.211	(16.128-16.294)		0	6736923	NC	NC	
64 n-Octane	43	16.454	16.454	0.000	96	2385930	10.0	9.52	
A 65 C8 Range	1	16.460	(16.374-16.545)		0	8244962	NC	NC	
66 trans-1,3-Dichloropropene	75	16.593	16.593	0.000	98	1327861	10.0	10.7	
67 1,1,2-Trichloroethane	83	16.968	16.968	0.000	96	891065	10.0	10.4	
68 Tetrachloroethene	166	17.187	17.187	0.000	92	1044194	10.0	10.4	
69 2-Hexanone	43	17.380	17.380	0.000	92	2070065	10.0	9.99	
70 Chlorodibromomethane	129	17.706	17.706	0.000	97	1416393	10.0	9.90	
71 Ethylene Dibromide	107	17.947	17.947	0.000	98	1424608	10.0	10.4	
* 73 Chlorobenzene-d5	117	18.862	18.862	0.000	90	2176621	10.0	10.0	
74 Chlorobenzene	112	18.921	18.920	0.000	91	2006402	10.0	10.4	
75 Ethylbenzene	91	19.118	19.118	0.000	99	3591111	10.0	10.3	
76 m-Xylene & p-Xylene	106	19.381	19.381	0.001	0	2568664	20.0	20.8	
77 n-Nonane	57	19.450	19.450	0.000	95	2072597	10.0	9.98	
S 80 Xylenes, Total	106				0		30.0	31.2	
78 o-Xylene	106	20.151	20.151	0.000	98	1259755	10.0	10.4	
79 Styrene	104	20.183	20.183	0.000	99	2083270	10.0	10.6	
81 Bromoform	173	20.515	20.515	0.000	92	1082937	10.0	8.66	
82 Isopropylbenzene	105	20.841	20.841	0.000	99	3764812	10.0	10.3	
83 1,1,2,2-Tetrachloroethane	83	21.339	21.339	0.001	97	2368910	10.0	10.3	
84 1,2,3-Trichloropropane	75	21.435	21.440	-0.005	98	1800115	10.0	10.2	
85 N-Propylbenzene	91	21.547	21.547	0.000	98	4901108	10.0	10.4	
86 2-Chlorotoluene	91	21.692	21.692	0.000	97	2970527	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	21.745	21.745	0.000	99	3718009	10.0	10.7	
88 1,3,5-Trimethylbenzene	105	21.836	21.841	-0.005	92	3080061	10.0	10.4	
89 n-Decane	57	21.874	21.874	0.001	89	2687196	10.0	10.1	
90 Alpha Methyl Styrene	118	22.162	22.162	0.000	84	1548739	10.0	10.7	
91 tert-Butylbenzene	119	22.318	22.318	0.000	91	2832054	10.0	10.2	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	99	3091813	10.0	10.4	
93 sec-Butylbenzene	105	22.639	22.644	-0.005	98	4702450	10.0	10.4	
94 1,3-Dichlorobenzene	146	22.810	22.810	0.000	98	1910271	10.0	10.5	
95 4-Isopropyltoluene	119	22.853	22.853	0.001	97	3630136	10.0	10.2	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	91	1915542	10.0	10.6	
97 Benzyl chloride	91	23.093	23.093	0.000	98	2971605	10.0	10.2	
98 n-Butylbenzene	91	23.409	23.409	0.000	98	4147446	10.0	10.5	
99 1,2-Dichlorobenzene	146	23.441	23.441	0.000	93	1839328	10.0	10.3	
100 Undecane	57	23.564	23.564	0.000	97	2940720	10.0	9.57	
101 Dodecane	57	25.153	25.153	0.000	95	2272337	10.0	7.73	
102 1,2,4-Trichlorobenzene	180	25.886	25.891	-0.005	93	1347331	10.0	11.5	
103 Hexachlorobutadiene	225	26.143	26.143	0.000	93	1104465	10.0	10.6	
104 Naphthalene	128	26.362	26.367	-0.005	98	3252290	10.0	11.9	
105 1,2,3-Trichlorobenzene	180	26.779	26.785	-0.006	94	1087827	10.0	9.15	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00882

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Dec-2024 07:05:48

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_019.D

Injection Date: 19-Dec-2024 05:29:09

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: ICV

Worklist Smp#: 19

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

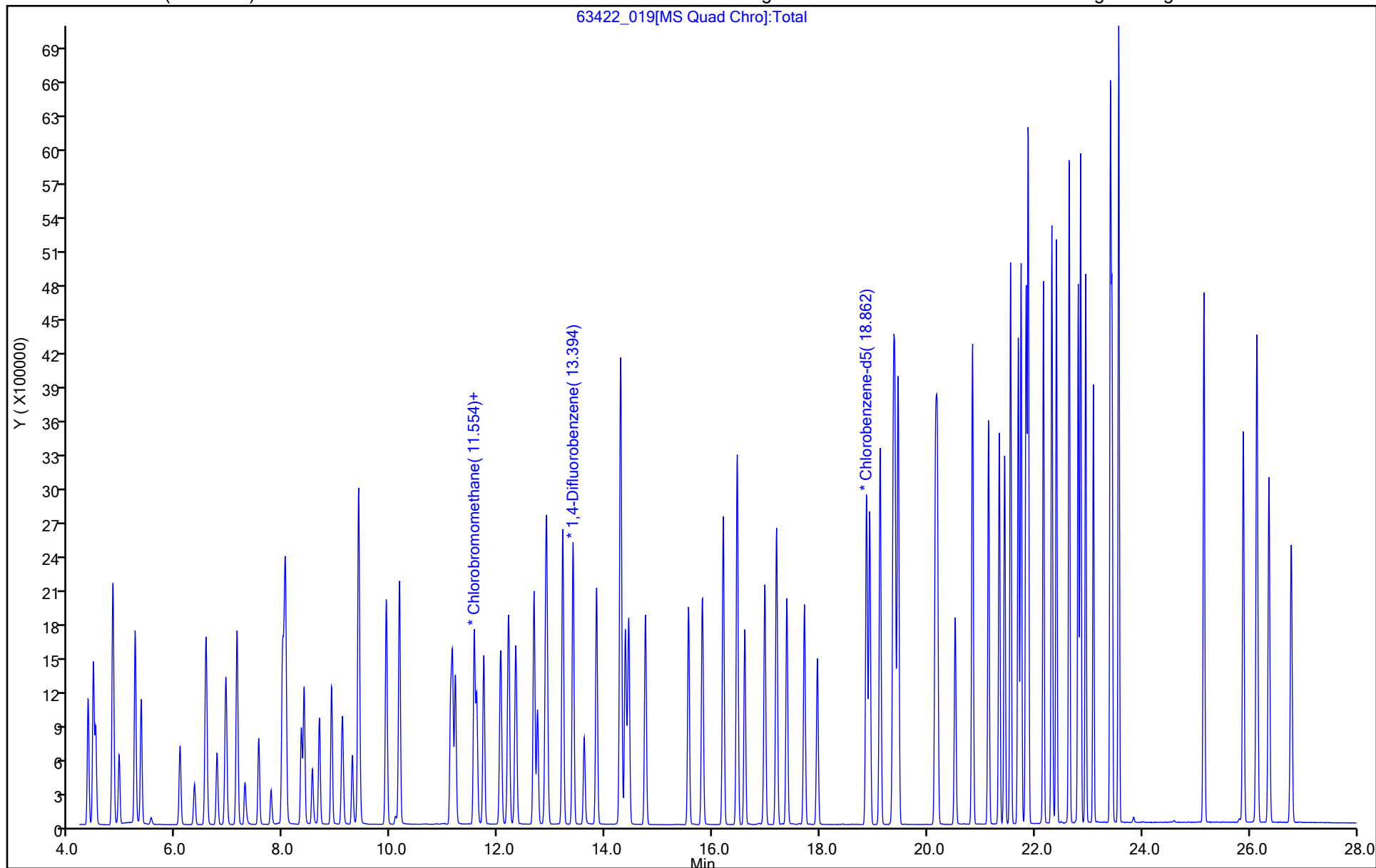
ALS Bottle#: 9

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.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: CCVIS 200-212533/2 Calibration Date: 01/03/2025 07:57

Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02

Lab File ID: 63568_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	1.761	1.943		11.0	10.0	10.3	30.0
Dichlorodifluoromethane	Ave	3.656	3.628		9.92	10.0	-0.8	30.0
Chlorodifluoromethane	Ave	2.870	3.113		10.8	10.0	8.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.927	3.332		8.48	10.0	-15.1	30.0
Chloromethane	Ave	1.737	1.742		10.0	10.0	0.2	30.0
Vinyl chloride	Ave	1.629	1.405		8.62	10.0	-13.7	30.0
n-Butane	Ave	2.661	2.938		11.0	10.0	10.4	30.0
1,3-Butadiene	Ave	1.293	1.179		9.12	10.0	-8.8	30.0
Bromomethane	Ave	1.228	1.042		8.48	10.0	-15.2	30.0
Chloroethane	Ave	0.8374	0.7772		9.28	10.0	-7.2	30.0
Isopentane	Ave	2.315	2.299		9.93	10.0	-0.7	30.0
Bromoethene (Vinyl Bromide)	Ave	1.107	0.9380		8.47	10.0	-15.3	30.0
Trichlorofluoromethane	Ave	3.177	2.986		9.39	10.0	-6.0	30.0
n-Pentane	Ave	3.359	3.399		10.1	10.0	1.2	30.0
Ethanol	Ave	0.8505	0.8579		15.1	15.0	0.9	30.0
Ethyl ether	Ave	1.135	1.076		9.48	10.0	-5.2	30.0
Acrolein	Ave	0.5949	0.5876		11.6	11.7	-1.2	30.0
1,1-Dichloroethene	Ave	1.396	1.115		7.98	10.0	-20.2	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.662	2.317		8.70	10.0	-13.0	30.0
Acetone	Ave	2.746	2.946		10.7	10.0	7.3	30.0
Isopropyl alcohol	Ave	2.750	2.947		12.4	11.6	7.1	30.0
Carbon disulfide	Ave	4.189	3.787		9.04	10.0	-9.6	30.0
Acetonitrile	Ave	1.495	1.521		10.2	10.0	1.7	30.0
3-Chloropropene	Ave	2.326	2.485		10.7	10.0	6.9	30.0
Methylene Chloride	Ave	2.042	2.064		10.1	10.0	1.1	30.0
tert-Butyl alcohol	Ave	3.238	3.308		10.2	10.0	2.2	30.0
Acrylonitrile	Ave	1.234	1.186		9.61	10.0	-3.9	30.0
trans-1,2-Dichloroethene	Ave	2.344	2.223		9.48	10.0	-5.2	30.0
Methyl tert-butyl ether	Ave	4.140	3.910		9.44	10.0	-5.6	30.0
n-Hexane	Ave	2.578	2.454		9.51	10.0	-4.8	30.0
1,1-Dichloroethane	Ave	3.003	2.847		9.48	10.0	-5.2	30.0
Vinyl acetate	Ave	4.043	4.353		12.3	11.4	7.7	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.7730	0.7174		9.28	10.0	-7.2	30.0
cis-1,2-Dichloroethene	Ave	1.519	1.310		8.62	10.0	-13.7	30.0
Ethyl acetate	Ave	0.1197	0.1048		8.76	10.0	-12.4	30.0
Tetrahydrofuran	Ave	0.4353	0.4545		10.4	10.0	4.4	30.0
Chloroform	Ave	3.079	2.924		9.49	10.0	-5.0	30.0
1,1,1-Trichloroethane	Ave	0.5852	0.5578		9.53	10.0	-4.7	30.0
Cyclohexane	Ave	0.3815	0.3397		8.90	10.0	-10.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: CCVIS 200-212533/2 Calibration Date: 01/03/2025 07:57

Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02

Lab File ID: 63568_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	0.5518	0.5220		9.46	10.0	-5.4	30.0
Benzene	Ave	0.9397	0.8450		8.99	10.0	-10.1	30.0
1,2-Dichloroethane	Ave	0.4452	0.4616		10.4	10.0	3.7	30.0
2,2,4-Trimethylpentane	Ave	1.685	1.616		9.59	10.0	-4.1	30.0
n-Heptane	Ave	0.7079	0.7172		10.1	10.0	1.3	30.0
n-Butanol	Ave	0.2480	0.2520		10.2	10.0	1.6	30.0
Trichloroethene	Ave	0.3882	0.3474		8.95	10.0	-10.5	30.0
1,2-Dichloropropane	Ave	0.4044	0.3799		9.39	10.0	-6.1	30.0
Methyl methacrylate	Ave	0.3453	0.3345		9.68	10.0	-3.1	30.0
1,4-Dioxane	Ave	0.1768	0.1714		9.69	10.0	-3.1	30.0
Dibromomethane	Ave	0.2811	0.2332		8.29	10.0	-17.0	30.0
Bromodichloromethane	Ave	0.6866	0.6673		9.72	10.0	-2.8	30.0
cis-1,3-Dichloropropene	Ave	0.6270	0.5945		9.48	10.0	-5.2	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.9005	0.9777		10.9	10.0	8.6	30.0
Toluene	Ave	0.7119	0.6087		8.55	10.0	-14.5	30.0
n-Octane	Ave	1.005	1.043		10.4	10.0	3.8	30.0
trans-1,3-Dichloropropene	Ave	0.4989	0.4920		9.86	10.0	-1.4	30.0
1,1,2-Trichloroethane	Ave	0.3929	0.3453		8.79	10.0	-12.1	30.0
Tetrachloroethene	Ave	0.4609	0.3758		8.15	10.0	-18.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.9522	1.012		10.6	10.0	6.3	30.0
Dibromochloromethane	Ave	0.6572	0.5757		8.76	10.0	-12.4	30.0
1,2-Dibromoethane	Ave	0.6315	0.5400		8.55	10.0	-14.5	30.0
Chlorobenzene	Ave	0.8879	0.7563		8.52	10.0	-14.8	30.0
Ethylbenzene	Ave	1.596	1.425		8.93	10.0	-10.7	30.0
m,p-Xylene	Ave	0.5683	0.4965		17.5	20.0	-12.6	30.0
n-Nonane	Ave	0.9542	0.8965		9.39	10.0	-6.0	30.0
o-Xylene	Ave	0.5560	0.4860		8.74	10.0	-12.6	30.0
Styrene	Ave	0.9003	0.8138		9.04	10.0	-9.6	30.0
Bromoform	Ave	0.5746	0.4938		8.59	10.0	-14.1	30.0
Cumene	Ave	1.681	1.501		8.93	10.0	-10.7	30.0
1,1,2,2-Tetrachloroethane	Ave	1.055	0.9687		9.18	10.0	-8.2	30.0
1,2,3-Trichloropropane	Ave	0.8135	0.7768		9.55	10.0	-4.5	30.0
n-Propylbenzene	Ave	2.157	2.014		9.33	10.0	-6.7	30.0
2-Chlorotoluene	Ave	1.329	1.209		9.10	10.0	-9.0	30.0
4-Ethyltoluene	Ave	1.602	1.481		9.24	10.0	-7.6	30.0
1,3,5-Trimethylbenzene	Ave	1.359	1.237		9.10	10.0	-9.0	30.0
n-Decane	Ave	1.221	1.207		9.89	10.0	-1.1	30.0
Alpha Methyl Styrene	Ave	0.6636	0.6275		9.45	10.0	-5.4	30.0
tert-Butylbenzene	Ave	1.274	1.139		8.94	10.0	-10.6	30.0
1,2,4-Trimethylbenzene	Ave	1.372	1.275		9.29	10.0	-7.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Lab Sample ID: CCVIS 200-212533/2 Calibration Date: 01/03/2025 07:57
 Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02
 Lab File ID: 63568_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	2.079	1.934		9.30	10.0	-7.0	30.0
1,3-Dichlorobenzene	Ave	0.8370	0.7597		9.07	10.0	-9.2	30.0
4-Isopropyltoluene	Ave	1.643	1.506		9.17	10.0	-8.3	30.0
1,4-Dichlorobenzene	Ave	0.8299	0.7432		8.95	10.0	-10.4	30.0
Benzyl chloride	Ave	1.335	1.360		10.2	10.0	1.9	30.0
n-Butylbenzene	Ave	1.819	1.815		9.97	10.0	-0.3	30.0
1,2-Dichlorobenzene	Ave	0.8204	0.7345		8.95	10.0	-10.5	30.0
n-Undecane	Ave	1.412	1.357		9.61	10.0	-3.9	30.0
n-Dodecane	Ave	1.350	1.101		8.15	10.0	-18.5	30.0
1,2,4-Trichlorobenzene	Ave	0.5381	0.4695		10.2	11.7	-12.7	30.0
Hexachlorobutadiene	Ave	0.4772	0.3843		9.05	11.2	-19.5	30.0
Naphthalene	Ave	1.261	1.221		11.5	11.9	-3.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5464	0.4385		9.35	11.6	-19.7	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_002.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 03-Jan-2025 07:57:57 ALS Bottle#: 3 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063568-002
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jan-2025 20:18:40 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1603

First Level Reviewer: YWL8

Date: 05-Jan-2025 20:18:40

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	4.353	4.353	0.000	98	629036	10.0	11.0	
2 Dichlorodifluoromethane	85	4.449	4.449	0.000	99	1174503	10.0	9.92	
3 Chlorodifluoromethane	51	4.492	4.492	0.000	97	1007682	10.0	10.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	94	1078843	10.0	8.48	
11 BFB									
5 Chloromethane	50	4.931	4.931	0.000	99	563829	10.0	10.0	
6 Vinyl chloride	62	5.225	5.225	0.000	100	454818	10.0	8.62	
7 Butane	43	5.230	5.230	0.000	97	951293	10.0	11.0	
8 Butadiene	54	5.343	5.343	0.000	93	381787	10.0	9.12	
9 Bromomethane	94	6.065	6.065	0.000	97	337222	10.0	8.48	
10 Chloroethane	64	6.333	6.333	0.000	98	251611	10.0	9.28	
12 2-Methylbutane	43	6.552	6.552	0.000	95	744257	10.0	9.93	
13 Vinyl bromide	106	6.755	6.755	0.000	97	303684	10.0	8.47	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	97	966589	10.0	9.39	
15 Pentane	43	7.124	7.124	0.000	97	1100299	10.0	10.1	
16 Ethanol	45	7.269	7.269	0.000	97	416775	15.0	15.1	
18 Ethyl ether	59	7.531	7.531	0.000	96	348325	10.0	9.48	
19 Acrolein	56	7.761	7.761	0.000	97	222748	11.7	11.6	
20 1,1-Dichloroethene	96	7.975	7.975	0.000	90	360892	10.0	7.98	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.018	8.018	0.000	88	749983	10.0	8.70	
22 Acetone	43	8.034	8.034	0.000	100	953837	10.0	10.7	
23 Isopropyl alcohol	45	8.323	8.323	0.000	100	1105779	11.6	12.4	
24 Carbon disulfide	76	8.376	8.376	0.000	100	1225939	10.0	9.04	
25 Acetonitrile	41	8.526	8.526	0.000	98	492299	10.0	10.2	
26 3-Chloro-1-propene	41	8.660	8.660	0.000	95	804640	10.0	10.7	
27 Methylene Chloride	49	8.884	8.884	0.000	94	668293	10.0	10.1	
28 2-Methyl-2-propanol	59	9.088	9.088	0.000	98	1071112	10.0	10.2	
29 Acrylonitrile	53	9.270	9.270	0.000	93	384016	10.0	9.61	
30 trans-1,2-Dichloroethene	61	9.387	9.387	0.000	90	719781	10.0	9.48	
31 Methyl tert-butyl ether	73	9.393	9.393	0.000	96	1265706	10.0	9.44	
32 Hexane	57	9.906	9.906	0.000	94	794387	10.0	9.51	

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	10.147	10.147	0.000	99	921814	10.0	9.48	
34 Vinyl acetate	43	10.152	10.152	0.000	100	1605133	11.4	12.3	
S 35 1,2-Dichloroethene, Total	61				0		20.0	18.1	
36 2-Butanone (MEK)	72	11.105	11.105	0.000	99	232248	10.0	9.28	
37 cis-1,2-Dichloroethene	96	11.137	11.137	0.000	98	424184	10.0	8.62	
38 Ethyl acetate	88	11.195	11.195	0.000	98	33941	10.0	8.76	
* 39 Chlorobromomethane	128	11.543	11.543	0.000	92	323813	10.0	10.0	
40 Tetrahydrofuran	42	11.591	11.591	0.000	93	736628	10.0	10.4	
41 Chloroform	83	11.725	11.725	0.000	95	946583	10.0	9.49	
42 1,1,1-Trichloroethane	97	12.041	12.041	0.000	96	904083	10.0	9.53	
43 Cyclohexane	84	12.185	12.185	0.000	91	550581	10.0	8.90	
44 Carbon tetrachloride	117	12.319	12.319	0.000	95	846073	10.0	9.46	
45 Benzene	78	12.661	12.661	0.000	99	1369551	10.0	8.99	
46 1,2-Dichloroethane	62	12.725	12.725	0.000	93	748079	10.0	10.4	
47 Isooctane	57	12.891	12.891	0.000	97	2619592	10.0	9.59	
48 n-Heptane	43	13.196	13.196	0.000	97	1162399	10.0	10.1	
* 49 1,4-Difluorobenzene	114	13.389	13.389	0.000	98	1621005	10.0	10.0	
50 n-Butanol	56	13.592	13.592	0.000	98	408400	10.0	10.2	
51 Trichloroethene	95	13.822	13.822	0.000	88	562973	10.0	8.95	
A 52 GRO	1	14.213	(6.542-21.884)		0	228174953	649.9	0	
53 1,2-Dichloropropane	63	14.272	14.272	0.000	77	615641	10.0	9.39	
54 Methyl methacrylate	69	14.363	14.363	0.000	87	542102	10.0	9.68	
55 1,4-Dioxane	88	14.400	14.400	0.000	95	277730	10.0	9.69	
57 Dibromomethane	174	14.427	14.427	0.000	86	377999	10.0	8.29	
58 Dichlorobromomethane	83	14.737	14.737	0.000	96	1081463	10.0	9.72	
59 cis-1,3-Dichloropropene	75	15.539	15.539	0.000	98	963470	10.0	9.48	
A 60 TVOC as Toluene	1	15.566	(4.343-26.789)		0	343588013	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.796	15.796	0.000	95	1584564	10.0	10.9	
62 Toluene	92	16.187	16.187	0.000	92	918246	10.0	8.55	
A 63 Toluene Range	1	16.195	(16.117-16.272)		0	4202366	NC	NC	
64 n-Octane	43	16.449	16.449	0.000	99	1690893	10.0	10.4	
A 65 C8 Range	1	16.460	(16.379-16.540)		0	5603445	NC	NC	
66 trans-1,3-Dichloropropene	75	16.588	16.588	0.000	95	797460	10.0	9.86	
67 1,1,2-Trichloroethane	83	16.963	16.963	0.000	94	520852	10.0	8.79	
68 Tetrachloroethene	166	17.182	17.182	0.000	87	566912	10.0	8.15	
69 2-Hexanone	43	17.369	17.369	0.000	90	1526725	10.0	10.6	
70 Chlorodibromomethane	129	17.701	17.701	0.000	95	868528	10.0	8.76	
71 Ethylene Dibromide	107	17.942	17.942	0.000	97	814648	10.0	8.55	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	94	1508823	10.0	10.0	
74 Chlorobenzene	112	18.915	18.915	0.000	87	1140972	10.0	8.52	
75 Ethylbenzene	91	19.113	19.113	0.000	100	2149099	10.0	8.93	
76 m-Xylene & p-Xylene	106	19.375	19.375	0.000	0	1498113	20.0	17.5	
77 n-Nonane	57	19.445	19.445	0.000	95	1352442	10.0	9.39	
S 80 Xylenes, Total	106				0		30.0	26.2	
78 o-Xylene	106	20.146	20.146	0.000	96	733154	10.0	8.74	
79 Styrene	104	20.178	20.178	0.000	97	1227629	10.0	9.04	
81 Bromoform	173	20.509	20.509	0.000	89	744881	10.0	8.59	
82 Isopropylbenzene	105	20.836	20.836	0.000	98	2264685	10.0	8.93	
83 1,1,2,2-Tetrachloroethane	83	21.333	21.333	0.000	98	1461250	10.0	9.18	
84 1,2,3-Trichloropropane	75	21.435	21.435	0.000	96	1171814	10.0	9.55	
85 N-Propylbenzene	91	21.547	21.547	0.000	97	3037481	10.0	9.33	
86 2-Chlorotoluene	91	21.692	21.692	0.000	97	1824494	10.0	9.10	

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	21.740	21.740	0.000	98	2233460	10.0	9.24	
88 1,3,5-Trimethylbenzene	105	21.836	21.836	0.000	91	1865713	10.0	9.10	
89 n-Decane	57	21.874	21.874	0.000	85	1820938	10.0	9.89	
90 Alpha Methyl Styrene	118	22.157	22.157	0.000	81	946548	10.0	9.45	
91 tert-Butylbenzene	119	22.318	22.318	0.000	87	1718047	10.0	8.94	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	99	1923568	10.0	9.29	
93 sec-Butylbenzene	105	22.639	22.639	0.000	97	2917835	10.0	9.30	
94 1,3-Dichlorobenzene	146	22.804	22.804	0.000	96	1146053	10.0	9.07	
95 4-Isopropyltoluene	119	22.853	22.853	0.000	96	2272366	10.0	9.17	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	88	1121187	10.0	8.95	
97 Benzyl chloride	91	23.088	23.088	0.000	96	2051906	10.0	10.2	
98 n-Butylbenzene	91	23.409	23.409	0.000	97	2737459	10.0	9.97	
99 1,2-Dichlorobenzene	146	23.436	23.436	0.000	90	1108087	10.0	8.95	
100 Undecane	57	23.564	23.564	0.000	93	2046995	10.0	9.61	
101 Dodecane	57	25.153	25.153	0.000	91	1660775	10.0	8.15	
102 1,2,4-Trichlorobenzene	180	25.886	25.886	0.000	92	830847	11.7	10.2	
103 Hexachlorobutadiene	225	26.137	26.137	0.000	89	651590	11.2	9.05	
104 Naphthalene	128	26.362	26.362	0.000	97	2189824	11.9	11.5	
105 1,2,3-Trichlorobenzene	180	26.779	26.779	0.000	92	770636	11.6	9.35	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00831

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_002.D

Injection Date: 03-Jan-2025 07:57:57

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

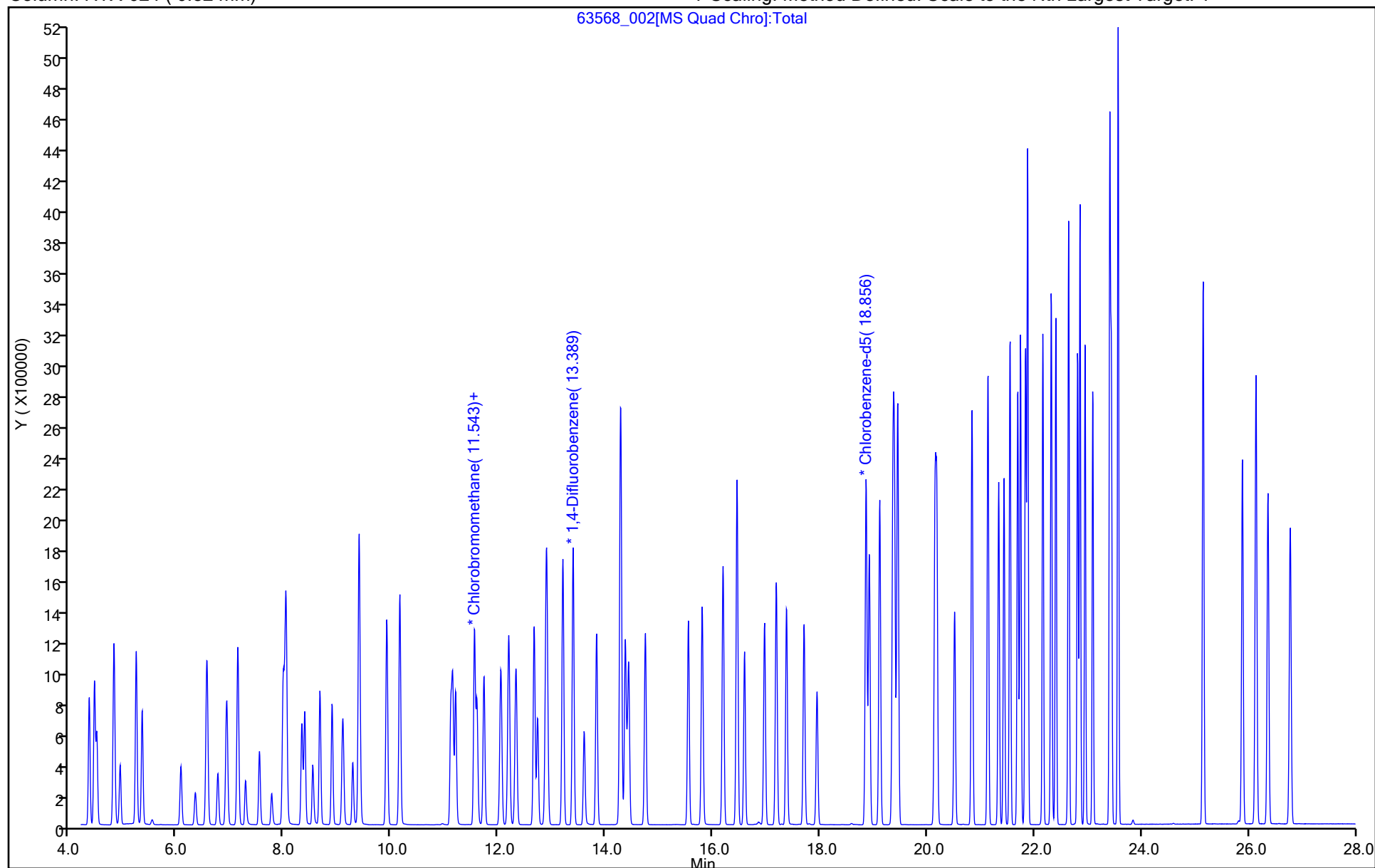
ALS Bottle#: 3

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.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: CCVIS 200-212564/2 Calibration Date: 01/06/2025 08:18

Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02

Lab File ID: 63588_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	1.761	1.856		10.5	10.0	5.4	30.0
Dichlorodifluoromethane	Ave	3.656	3.338		9.13	10.0	-8.7	30.0
Chlorodifluoromethane	Ave	2.870	2.918		10.2	10.0	1.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.927	3.101		7.90	10.0	-21.0	30.0
Chloromethane	Ave	1.737	1.671		9.62	10.0	-3.8	30.0
Vinyl chloride	Ave	1.629	1.404		8.62	10.0	-13.8	30.0
n-Butane	Ave	2.661	2.969		11.2	10.0	11.6	30.0
1,3-Butadiene	Ave	1.293	1.171		9.05	10.0	-9.4	30.0
Bromomethane	Ave	1.228	0.9948		8.10	10.0	-19.0	30.0
Chloroethane	Ave	0.8374	0.7643		9.13	10.0	-8.7	30.0
Isopentane	Ave	2.315	2.302		9.94	10.0	-0.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.107	0.9041		8.16	10.0	-18.4	30.0
Trichlorofluoromethane	Ave	3.177	2.778		8.74	10.0	-12.6	30.0
n-Pentane	Ave	3.359	3.436		10.2	10.0	2.3	30.0
Ethanol	Ave	0.8505	0.8639		15.2	15.0	1.6	30.0
Ethyl ether	Ave	1.135	1.055		9.29	10.0	-7.1	30.0
Acrolein	Ave	0.5949	0.5910		11.6	11.7	-0.6	30.0
1,1-Dichloroethene	Ave	1.396	1.096		7.85	10.0	-21.5	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.662	2.226		8.36	10.0	-16.4	30.0
Acetone	Ave	2.746	2.861		10.4	10.0	4.2	30.0
Isopropyl alcohol	Ave	2.750	2.935		12.4	11.6	6.7	30.0
Carbon disulfide	Ave	4.189	3.769		9.00	10.0	-10.0	30.0
Acetonitrile	Ave	1.495	1.549		10.4	10.0	3.6	30.0
3-Chloropropene	Ave	2.326	2.515		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	2.042	2.063		10.1	10.0	1.0	30.0
tert-Butyl alcohol	Ave	3.238	3.244		10.0	10.0	0.2	30.0
Acrylonitrile	Ave	1.234	1.204		9.76	10.0	-2.4	30.0
trans-1,2-Dichloroethene	Ave	2.344	2.181		9.30	10.0	-7.0	30.0
Methyl tert-butyl ether	Ave	4.140	3.819		9.22	10.0	-7.7	30.0
n-Hexane	Ave	2.578	2.483		9.63	10.0	-3.7	30.0
1,1-Dichloroethane	Ave	3.003	2.801		9.33	10.0	-6.7	30.0
Vinyl acetate	Ave	4.043	4.486		12.6	11.4	11.0	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.7730	0.7089		9.17	10.0	-8.3	30.0
cis-1,2-Dichloroethene	Ave	1.519	1.282		8.44	10.0	-15.6	30.0
Ethyl acetate	Ave	0.1197	0.1059		8.85	10.0	-11.5	30.0
Tetrahydrofuran	Ave	0.4353	0.4537		10.4	10.0	4.2	30.0
Chloroform	Ave	3.079	2.816		9.14	10.0	-8.6	30.0
1,1,1-Trichloroethane	Ave	0.5852	0.5153		8.80	10.0	-11.9	30.0
Cyclohexane	Ave	0.3815	0.3284		8.61	10.0	-13.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Lab Sample ID: CCVIS 200-212564/2 Calibration Date: 01/06/2025 08:18

Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02

Lab File ID: 63588_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	0.5518	0.4833		8.76	10.0	-12.4	30.0
Benzene	Ave	0.9397	0.8271		8.80	10.0	-12.0	30.0
1,2-Dichloroethane	Ave	0.4452	0.4261		9.57	10.0	-4.3	30.0
2,2,4-Trimethylpentane	Ave	1.685	1.595		9.46	10.0	-5.4	30.0
n-Heptane	Ave	0.7079	0.7120		10.1	10.0	0.6	30.0
n-Butanol	Ave	0.2480	0.2503		10.1	10.0	0.9	30.0
Trichloroethene	Ave	0.3882	0.3318		8.54	10.0	-14.5	30.0
1,2-Dichloropropane	Ave	0.4044	0.3724		9.21	10.0	-7.9	30.0
Methyl methacrylate	Ave	0.3453	0.3260		9.44	10.0	-5.6	30.0
1,4-Dioxane	Ave	0.1768	0.1659		9.38	10.0	-6.2	30.0
Dibromomethane	Ave	0.2811	0.2159		7.68	10.0	-23.2	30.0
Bromodichloromethane	Ave	0.6866	0.6196		9.02	10.0	-9.7	30.0
cis-1,3-Dichloropropene	Ave	0.6270	0.5712		9.11	10.0	-8.9	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.9005	0.9520		10.6	10.0	5.7	30.0
Toluene	Ave	0.7119	0.5866		8.24	10.0	-17.6	30.0
n-Octane	Ave	1.005	1.021		10.2	10.0	1.6	30.0
trans-1,3-Dichloropropene	Ave	0.4989	0.4605		9.23	10.0	-7.7	30.0
1,1,2-Trichloroethane	Ave	0.3929	0.3315		8.44	10.0	-15.6	30.0
Tetrachloroethene	Ave	0.4609	0.3495		7.58	10.0	-24.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.9522	0.9811		10.3	10.0	3.0	30.0
Dibromochloromethane	Ave	0.6572	0.5318		8.09	10.0	-19.1	30.0
1,2-Dibromoethane	Ave	0.6315	0.5078		8.04	10.0	-19.6	30.0
Chlorobenzene	Ave	0.8879	0.7168		8.07	10.0	-19.3	30.0
Ethylbenzene	Ave	1.596	1.345		8.42	10.0	-15.7	30.0
m,p-Xylene	Ave	0.5683	0.4677		16.5	20.0	-17.7	30.0
n-Nonane	Ave	0.9542	0.8616		9.03	10.0	-9.7	30.0
o-Xylene	Ave	0.5560	0.4565		8.21	10.0	-17.9	30.0
Styrene	Ave	0.9003	0.7594		8.43	10.0	-15.7	30.0
Bromoform	Ave	0.5746	0.4465		7.77	10.0	-22.3	30.0
Cumene	Ave	1.681	1.390		8.27	10.0	-17.3	30.0
1,1,2,2-Tetrachloroethane	Ave	1.055	0.9079		8.61	10.0	-13.9	30.0
1,2,3-Trichloropropane	Ave	0.8135	0.7208		8.86	10.0	-11.4	30.0
n-Propylbenzene	Ave	2.157	1.866		8.65	10.0	-13.5	30.0
2-Chlorotoluene	Ave	1.329	1.112		8.36	10.0	-16.4	30.0
4-Ethyltoluene	Ave	1.602	1.360		8.49	10.0	-15.1	30.0
1,3,5-Trimethylbenzene	Ave	1.359	1.133		8.33	10.0	-16.7	30.0
n-Decane	Ave	1.221	1.131		9.27	10.0	-7.3	30.0
Alpha Methyl Styrene	Ave	0.6636	0.5778		8.71	10.0	-12.9	30.0
tert-Butylbenzene	Ave	1.274	1.031		8.09	10.0	-19.1	30.0
1,2,4-Trimethylbenzene	Ave	1.372	1.149		8.38	10.0	-16.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Lab Sample ID: CCVIS 200-212564/2 Calibration Date: 01/06/2025 08:18
 Instrument ID: CHAN.i Calib Start Date: 12/18/2024 15:43
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/19/2024 02:02
 Lab File ID: 63588_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	2.079	1.750		8.42	10.0	-15.8	30.0
1,3-Dichlorobenzene	Ave	0.8370	0.6823		8.15	10.0	-18.5	30.0
4-Isopropyltoluene	Ave	1.643	1.357		8.26	10.0	-17.4	30.0
1,4-Dichlorobenzene	Ave	0.8299	0.6760		8.14	10.0	-18.6	30.0
Benzyl chloride	Ave	1.335	1.234		9.25	10.0	-7.5	30.0
n-Butylbenzene	Ave	1.819	1.645		9.04	10.0	-9.6	30.0
1,2-Dichlorobenzene	Ave	0.8204	0.6652		8.11	10.0	-18.9	30.0
n-Undecane	Ave	1.412	1.252		8.86	10.0	-11.3	30.0
n-Dodecane	Ave	1.350	1.007		7.46	10.0	-25.4	30.0
1,2,4-Trichlorobenzene	Ave	0.5381	0.4188		9.13	11.7	-22.2	30.0
Hexachlorobutadiene	Ave	0.4772	0.3382		7.97	11.2	-29.1	30.0
Naphthalene	Ave	1.261	1.108		10.4	11.9	-12.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5464	0.3966		8.45	11.6	-27.4	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_002.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 06-Jan-2025 08:18:32 ALS Bottle#: 3 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063588-002
 Operator ID: wrd Instrument ID: CHAN.i
 Sublist: chrom-TO15_TO3_Master_Method_AN*sub1
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 07-Jan-2025 10:09:02 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1672

First Level Reviewer: YWL8

Date: 07-Jan-2025 10:09:02

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	4.353	4.353	0.000	98	724187	10.0	10.5	
2 Dichlorodifluoromethane	85	4.449	4.449	0.000	99	1302793	10.0	9.13	
3 Chlorodifluoromethane	51	4.492	4.492	0.000	97	1138946	10.0	10.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	94	1210115	10.0	7.90	
11 BFB									
5 Chloromethane	50	4.931	4.931	0.000	99	652241	10.0	9.62	
6 Vinyl chloride	62	5.225	5.225	0.000	100	548081	10.0	8.62	
7 Butane	43	5.230	5.230	0.000	98	1158591	10.0	11.2	
8 Butadiene	54	5.337	5.337	0.000	94	456871	10.0	9.05	
9 Bromomethane	94	6.065	6.065	0.000	98	388240	10.0	8.10	
10 Chloroethane	64	6.332	6.332	0.000	98	298280	10.0	9.13	
12 2-Methylbutane	43	6.546	6.546	0.000	95	898525	10.0	9.94	
13 Vinyl bromide	106	6.750	6.750	0.000	98	352838	10.0	8.16	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	97	1084247	10.0	8.74	
15 Pentane	43	7.124	7.124	0.000	96	1341139	10.0	10.2	
16 Ethanol	45	7.269	7.269	0.000	98	505933	15.0	15.2	
18 Ethyl ether	59	7.531	7.531	0.000	96	411600	10.0	9.29	
19 Acrolein	56	7.755	7.755	0.000	97	270109	11.7	11.6	
20 1,1-Dichloroethene	96	7.969	7.969	0.000	89	427656	10.0	7.85	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.012	8.012	0.000	88	868584	10.0	8.36	
22 Acetone	43	8.028	8.028	0.000	100	1116490	10.0	10.4	
23 Isopropyl alcohol	45	8.317	8.317	0.000	100	1327352	11.6	12.4	
24 Carbon disulfide	76	8.376	8.376	0.000	100	1471036	10.0	9.00	
25 Acetonitrile	41	8.526	8.526	0.000	98	604685	10.0	10.4	
26 3-Chloro-1-propene	41	8.659	8.659	0.000	94	981579	10.0	10.8	
27 Methylene Chloride	49	8.884	8.884	0.000	94	805214	10.0	10.1	
28 2-Methyl-2-propanol	59	9.082	9.082	0.000	98	1265876	10.0	10.0	
29 Acrylonitrile	53	9.269	9.269	0.000	93	469989	10.0	9.76	
30 trans-1,2-Dichloroethene	61	9.387	9.387	0.000	90	851193	10.0	9.30	
31 Methyl tert-butyl ether	73	9.392	9.392	0.000	96	1490448	10.0	9.22	
32 Hexane	57	9.906	9.906	0.000	94	969219	10.0	9.63	

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	10.147	10.147	0.000	99	1093323	10.0	9.33	
34 Vinyl acetate	43	10.152	10.152	0.000	100	1994137	11.4	12.6	
S 35 1,2-Dichloroethene, Total	61				0		20.0	17.7	
36 2-Butanone (MEK)	72	11.099	11.099	0.000	99	276677	10.0	9.17	
37 cis-1,2-Dichloroethene	96	11.136	11.136	0.000	98	500147	10.0	8.44	
38 Ethyl acetate	88	11.190	11.190	0.000	98	41336	10.0	8.85	
* 39 Chlorobromomethane	128	11.543	11.543	0.000	91	390341	10.0	10.0	
40 Tetrahydrofuran	42	11.586	11.586	0.000	93	902624	10.0	10.4	
41 Chloroform	83	11.720	11.720	0.000	95	1098820	10.0	9.14	
42 1,1,1-Trichloroethane	97	12.035	12.035	0.000	96	1025223	10.0	8.80	
43 Cyclohexane	84	12.185	12.185	0.000	91	653427	10.0	8.61	
44 Carbon tetrachloride	117	12.319	12.319	0.000	95	961517	10.0	8.76	
45 Benzene	78	12.656	12.656	0.000	99	1645425	10.0	8.80	
46 1,2-Dichloroethane	62	12.720	12.720	0.000	93	847765	10.0	9.57	
47 Isooctane	57	12.886	12.886	0.000	97	3172660	10.0	9.46	
48 n-Heptane	43	13.191	13.191	0.000	97	1416436	10.0	10.1	
* 49 1,4-Difluorobenzene	114	13.383	13.383	0.000	98	1989861	10.0	10.0	
50 n-Butanol	56	13.592	13.592	0.000	97	498037	10.0	10.1	
51 Trichloroethene	95	13.822	13.822	0.000	88	660029	10.0	8.54	
A 52 GRO	1	14.210	(6.536-21.883)		0	252069506	649.9	0	
53 1,2-Dichloropropane	63	14.271	14.271	0.000	78	740866	10.0	9.21	
54 Methyl methacrylate	69	14.357	14.357	0.000	88	648534	10.0	9.44	
55 1,4-Dioxane	88	14.394	14.394	0.000	95	329998	10.0	9.38	
57 Dibromomethane	174	14.421	14.421	0.000	85	429512	10.0	7.68	
58 Dichlorobromomethane	83	14.731	14.731	0.000	97	1232729	10.0	9.02	
59 cis-1,3-Dichloropropene	75	15.534	15.534	0.000	98	1136436	10.0	9.11	
A 60 TVOC as Toluene	1	15.563	(4.343-26.784)		0	380014868	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.796	15.796	0.000	94	1893882	10.0	10.6	
62 Toluene	92	16.181	16.181	0.000	92	1080802	10.0	8.24	
A 63 Toluene Range	1	16.197	(16.117-16.278)		0	4898684	NC	NC	
64 n-Octane	43	16.443	16.443	0.000	99	2032153	10.0	10.2	
A 65 C8 Range	1	16.459	(16.374-16.524)		0	6616379	NC	NC	
66 trans-1,3-Dichloropropene	75	16.583	16.583	0.000	95	916112	10.0	9.23	
67 1,1,2-Trichloroethane	83	16.957	16.957	0.000	94	610727	10.0	8.44	
68 Tetrachloroethene	166	17.182	17.182	0.000	88	643968	10.0	7.58	
69 2-Hexanone	43	17.369	17.369	0.000	90	1807432	10.0	10.3	
70 Chlorodibromomethane	129	17.695	17.695	0.000	95	979847	10.0	8.09	
71 Ethylene Dibromide	107	17.936	17.936	0.000	98	935544	10.0	8.04	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	94	1842696	10.0	10.0	
74 Chlorobenzene	112	18.915	18.915	0.000	87	1320541	10.0	8.07	
75 Ethylbenzene	91	19.108	19.108	0.000	100	2477049	10.0	8.42	
76 m-Xylene & p-Xylene	106	19.370	19.370	0.000	0	1723238	20.0	16.5	
77 n-Nonane	57	19.445	19.445	0.000	96	1587406	10.0	9.03	
S 80 Xylenes, Total	106				0		30.0	24.7	
78 o-Xylene	106	20.140	20.140	0.000	97	841041	10.0	8.21	
79 Styrene	104	20.172	20.172	0.000	96	1399029	10.0	8.43	
81 Bromoform	173	20.509	20.509	0.000	89	822647	10.0	7.77	
82 Isopropylbenzene	105	20.830	20.830	0.000	98	2561419	10.0	8.27	
83 1,1,2,2-Tetrachloroethane	83	21.328	21.328	0.000	97	1672665	10.0	8.61	
84 1,2,3-Trichloropropane	75	21.429	21.429	0.000	96	1327871	10.0	8.86	
85 N-Propylbenzene	91	21.542	21.542	0.000	97	3436979	10.0	8.65	
86 2-Chlorotoluene	91	21.686	21.686	0.000	97	2048646	10.0	8.36	

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	21.740	21.740	0.000	98	2506254	10.0	8.49	
88 1,3,5-Trimethylbenzene	105	21.831	21.831	0.000	91	2086604	10.0	8.33	
89 n-Decane	57	21.873	21.873	0.000	85	2084532	10.0	9.27	
90 Alpha Methyl Styrene	118	22.157	22.157	0.000	81	1064427	10.0	8.71	
91 tert-Butylbenzene	119	22.312	22.312	0.000	87	1898730	10.0	8.09	
92 1,2,4-Trimethylbenzene	105	22.398	22.398	0.000	99	2117529	10.0	8.38	
93 sec-Butylbenzene	105	22.638	22.638	0.000	97	3223472	10.0	8.42	
94 1,3-Dichlorobenzene	146	22.804	22.804	0.000	95	1257110	10.0	8.15	
95 4-Isopropyltoluene	119	22.847	22.847	0.000	96	2500163	10.0	8.26	
96 1,4-Dichlorobenzene	146	22.943	22.943	0.000	88	1245343	10.0	8.14	
97 Benzyl chloride	91	23.088	23.088	0.000	96	2274093	10.0	9.25	
98 n-Butylbenzene	91	23.403	23.403	0.000	97	3030517	10.0	9.04	
99 1,2-Dichlorobenzene	146	23.436	23.436	0.000	90	1225487	10.0	8.11	
100 Undecane	57	23.559	23.559	0.000	93	2307088	10.0	8.86	
101 Dodecane	57	25.148	25.148	0.000	91	1856149	10.0	7.46	
102 1,2,4-Trichlorobenzene	180	25.880	25.880	0.000	91	905004	11.7	9.13	
103 Hexachlorobutadiene	225	26.137	26.137	0.000	89	700353	11.2	7.97	
104 Naphthalene	128	26.357	26.357	0.000	97	2426348	11.9	10.4	
105 1,2,3-Trichlorobenzene	180	26.774	26.774	0.000	95	851176	11.6	8.45	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00831

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 07-Jan-2025 10:09:02

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_002.D

Injection Date: 06-Jan-2025 08:18:32

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

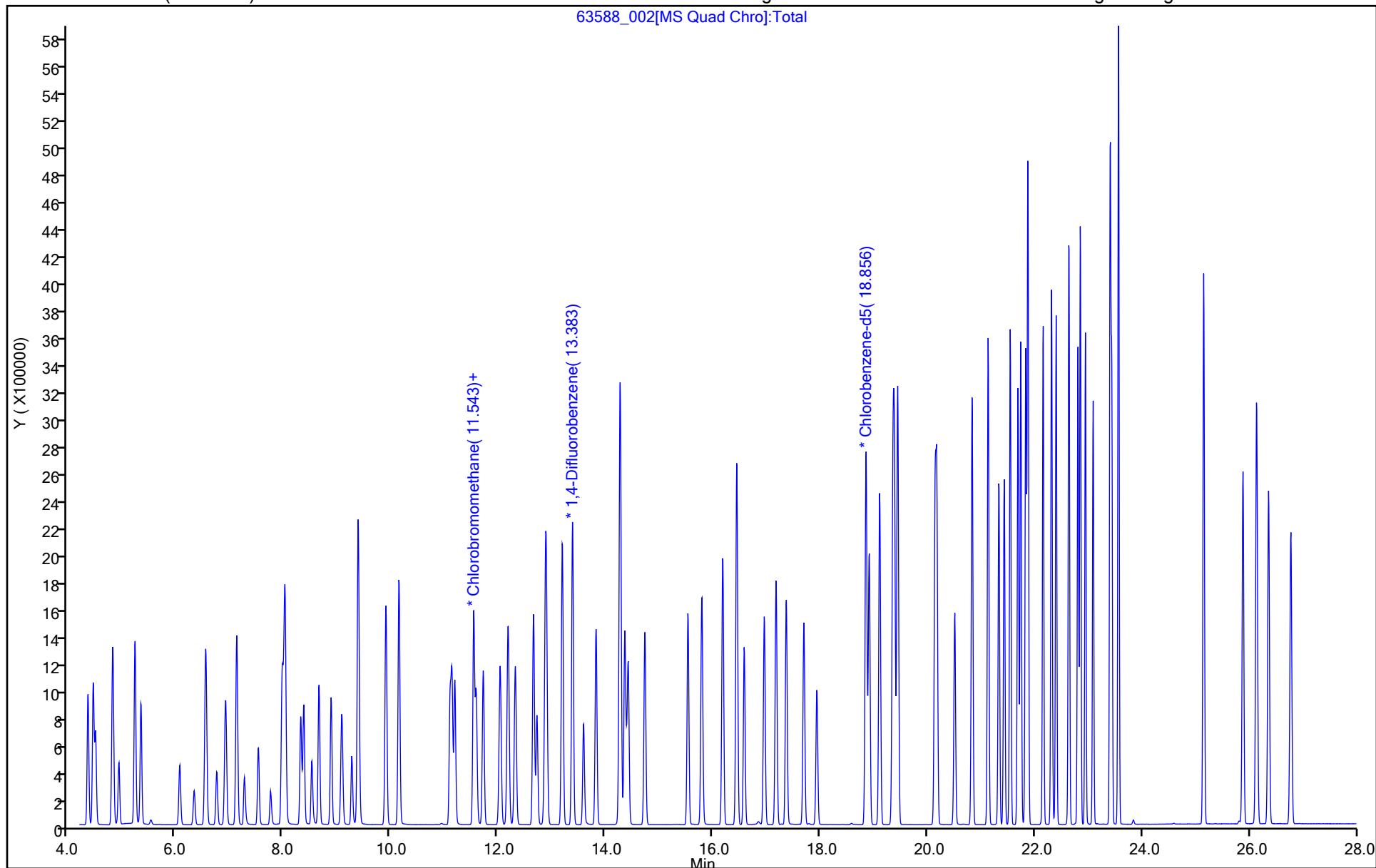
ALS Bottle#: 3

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\20241220-63469.b\63469_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 20-Dec-2024 14:29:39 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0063469-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHAM.i
Method: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Dec-2024 12:44:29 Calib Date: 21-Dec-2024 11:06:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1626

First Level Reviewer: BKZ7

Date: 21-Dec-2024 06:38:50

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	11.677					10.0	ND
* 49 1,4-Difluorobenzene	114	13.533					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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_001.D

Injection Date: 20-Dec-2024 14:29:39

Instrument ID: CHAM.i

Lims ID: bfb

Client ID:

Operator ID: vtp

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 200.0 mL

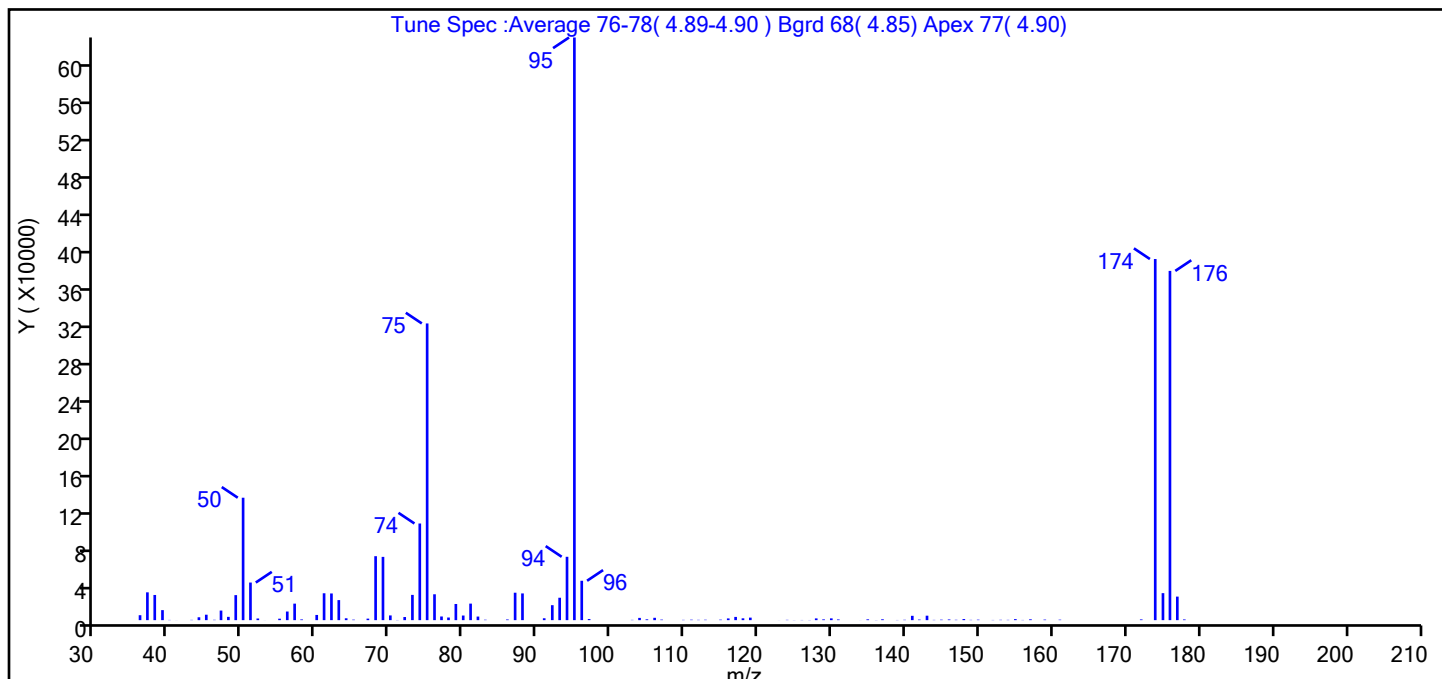
Dil. Factor: 1.0000

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	21.0
75	30.0 to 66.0 Percent of m/e 95	50.9
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	62.0
175	4.0 to 9.0 Percent of m/e 174	4.6 (7.5)
176	93.0 to 101.0 Percent of m/e 174	59.9 (96.7)
177	5.0 to 9.0 Percent of m/e 176	4.0 (6.7)

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_001.D\TO15_TO3_Master_Method_A
Injection Date: 20-Dec-2024 14:29:39
Spectrum: Tune Spec :Average 76-78(4.89-4.90) Bgrd 68(4.85) Apex 77(4.90)
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	5268	67.00	1610	103.00	285	139.00	184
37.00	29672	68.00	68248	104.00	2401	140.00	380
38.00	26856	69.00	67512	105.00	865	141.00	4609
39.00	10692	70.00	5028	106.00	2502	142.00	605
40.00	231	71.00	170	107.00	566	143.00	4751
41.00	46	72.00	3325	110.00	298	144.00	277
43.00	282	73.00	26952	111.00	490	145.00	508
44.00	3067	74.00	103128	112.00	331	146.00	732
45.00	5799	75.00	316608	113.00	442	147.00	382
46.00	368	76.00	27600	115.00	532	148.00	1160
47.00	10222	77.00	3906	116.00	1828	149.00	294
48.00	3508	78.00	2808	117.00	3445	150.00	513
49.00	26696	79.00	17240	118.00	1951	152.00	205
50.00	130640	80.00	4927	119.00	2686	153.00	358
51.00	40128	81.00	17640	123.00	59	154.00	305
52.00	1754	82.00	3823	124.00	329	155.00	1074
53.00	50	83.00	440	125.00	109	156.00	211
55.00	1551	86.00	718	126.00	185	157.00	876
56.00	9195	87.00	29272	127.00	164	159.00	578
57.00	17616	88.00	28520	128.00	1856	161.00	504
58.00	761	91.00	2001	129.00	817	172.00	767
60.00	5544	92.00	15962	130.00	1884	174.00	385344
61.00	28672	93.00	23904	131.00	737	175.00	28808
62.00	28472	94.00	67608	134.00	51	176.00	372672
63.00	21376	95.00	621760	135.00	854	177.00	25112
64.00	1982	96.00	42024	136.00	131	178.00	740
65.00	521	97.00	1172	137.00	902	207.00	4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_001.D

Injection Date: 20-Dec-2024 14:29:39

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

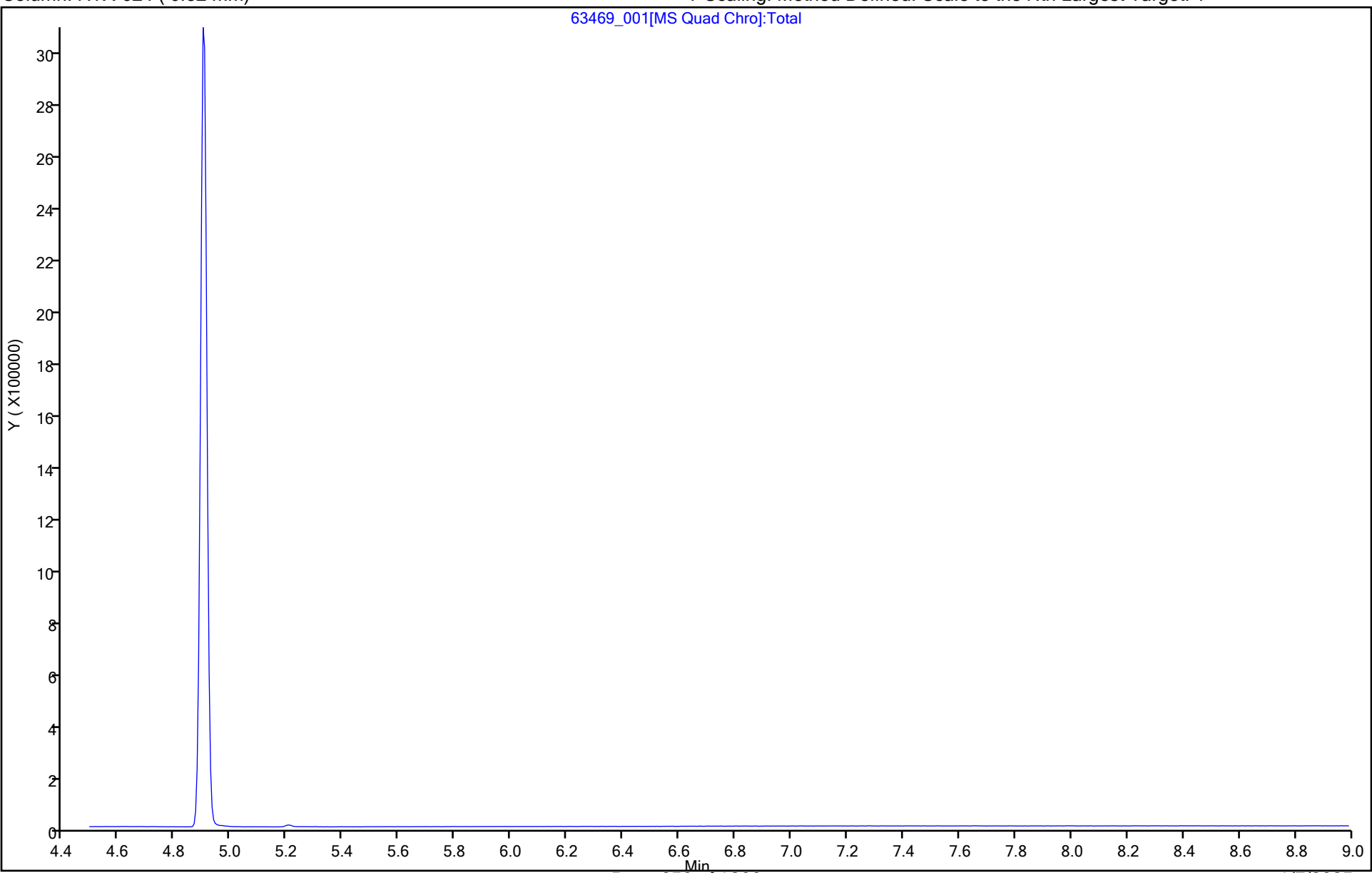
ALS Bottle#: 1

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\20241221-63479.b\63479_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 21-Dec-2024 13:19:10 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0063479-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHAM.i
Method: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Dec-2024 10:07:30 Calib Date: 21-Dec-2024 11:06:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1722

First Level Reviewer: YWL8

Date: 23-Dec-2024 10:07:30

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	11.677					10.0	ND
* 49 1,4-Difluorobenzene	114	13.533					10.0	ND
* 73 Chlorobenzene-d5	117	19.038					10.0	ND

QC Flag Legend

Processing Flags

Reagents:

ATTO15AMISs_00004

Amount Added: 20.00

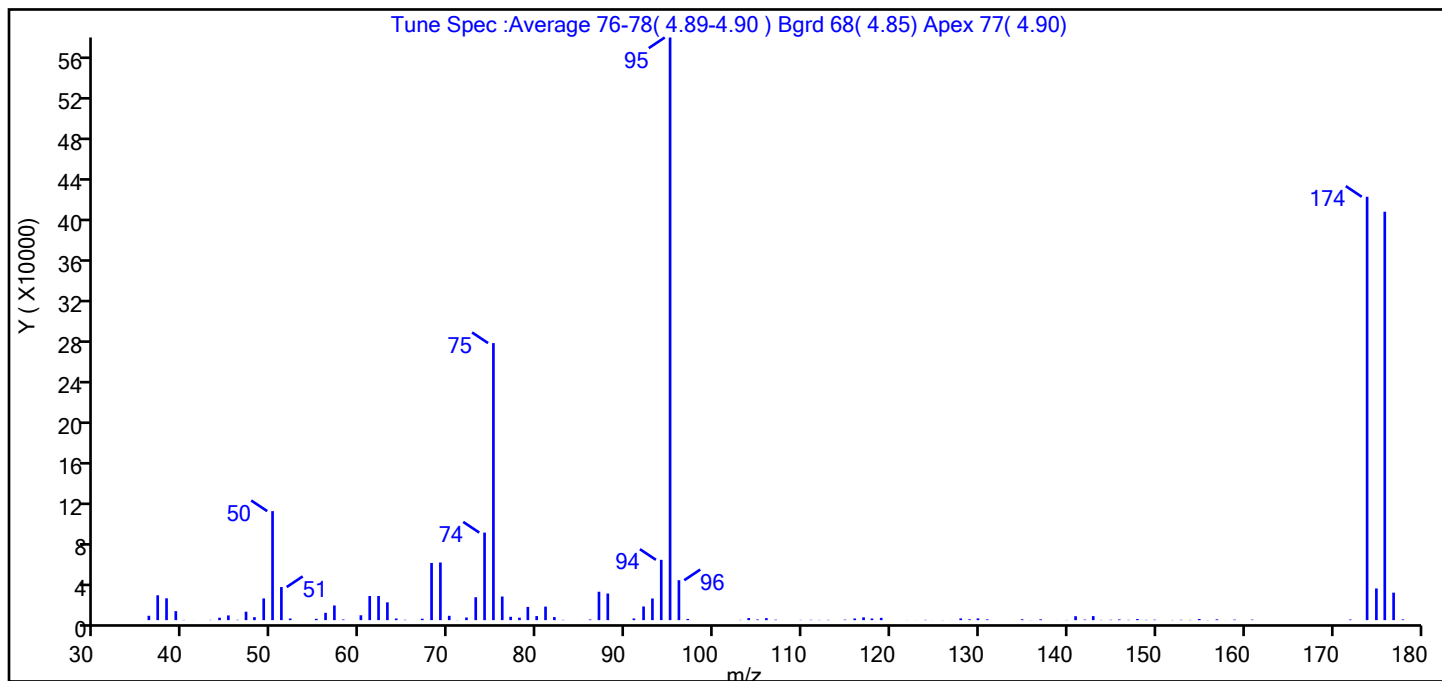
Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\63479_001.D
Injection Date: 21-Dec-2024 13:19:10 Instrument ID: CHAM.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 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	18.7
75	30.0 to 66.0 Percent of m/e 95	47.5
96	5.0 to 9.0 Percent of m/e 95	6.9
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	72.7
175	4.0 to 9.0 Percent of m/e 174	5.4 (7.5)
176	93.0 to 101.0 Percent of m/e 174	70.1 (96.5)
177	5.0 to 9.0 Percent of m/e 176	4.7 (6.7)

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\63479_001.D\TO15_TO3_Master_Method_A
Injection Date: 21-Dec-2024 13:19:10
Spectrum: Tune Spec :Average 76-78(4.89-4.90) Bgrd 68(4.85) Apex 77(4.90)
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	4325	68.00	56632	104.00	2068	140.00	173
37.00	24616	69.00	57080	105.00	672	141.00	3894
38.00	21640	70.00	4291	106.00	1979	142.00	515
39.00	8903	71.00	117	107.00	472	143.00	4000
40.00	249	72.00	2602	110.00	226	144.00	223
41.00	38	73.00	22696	111.00	360	145.00	386
43.00	237	74.00	86712	112.00	223	146.00	707
44.00	2416	75.00	274368	113.00	329	147.00	306
45.00	4672	76.00	23400	115.00	497	148.00	1080
46.00	352	77.00	3326	116.00	1641	149.00	284
47.00	8371	78.00	2468	117.00	2788	150.00	459
48.00	2990	79.00	13118	118.00	1633	152.00	186
49.00	21504	80.00	4029	119.00	2290	153.00	379
50.00	107944	81.00	13417	122.00	63	154.00	247
51.00	32760	82.00	3021	123.00	62	155.00	1141
52.00	1586	83.00	296	124.00	314	156.00	152
55.00	1298	86.00	666	125.00	54	157.00	819
56.00	7276	87.00	28136	126.00	152	158.00	52
57.00	14533	88.00	26360	127.00	53	159.00	521
58.00	621	91.00	1669	128.00	1744	161.00	480
60.00	4831	92.00	13533	129.00	826	172.00	615
61.00	23936	93.00	21448	130.00	1718	174.00	419264
62.00	23936	94.00	59728	131.00	765	175.00	31384
63.00	17640	95.00	577024	135.00	829	176.00	404480
64.00	1606	96.00	39536	136.00	119	177.00	27224
65.00	365	97.00	1170	137.00	833	178.00	697
67.00	1420	103.00	230	139.00	50		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\63479_001.D

Injection Date: 21-Dec-2024 13:19:10

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

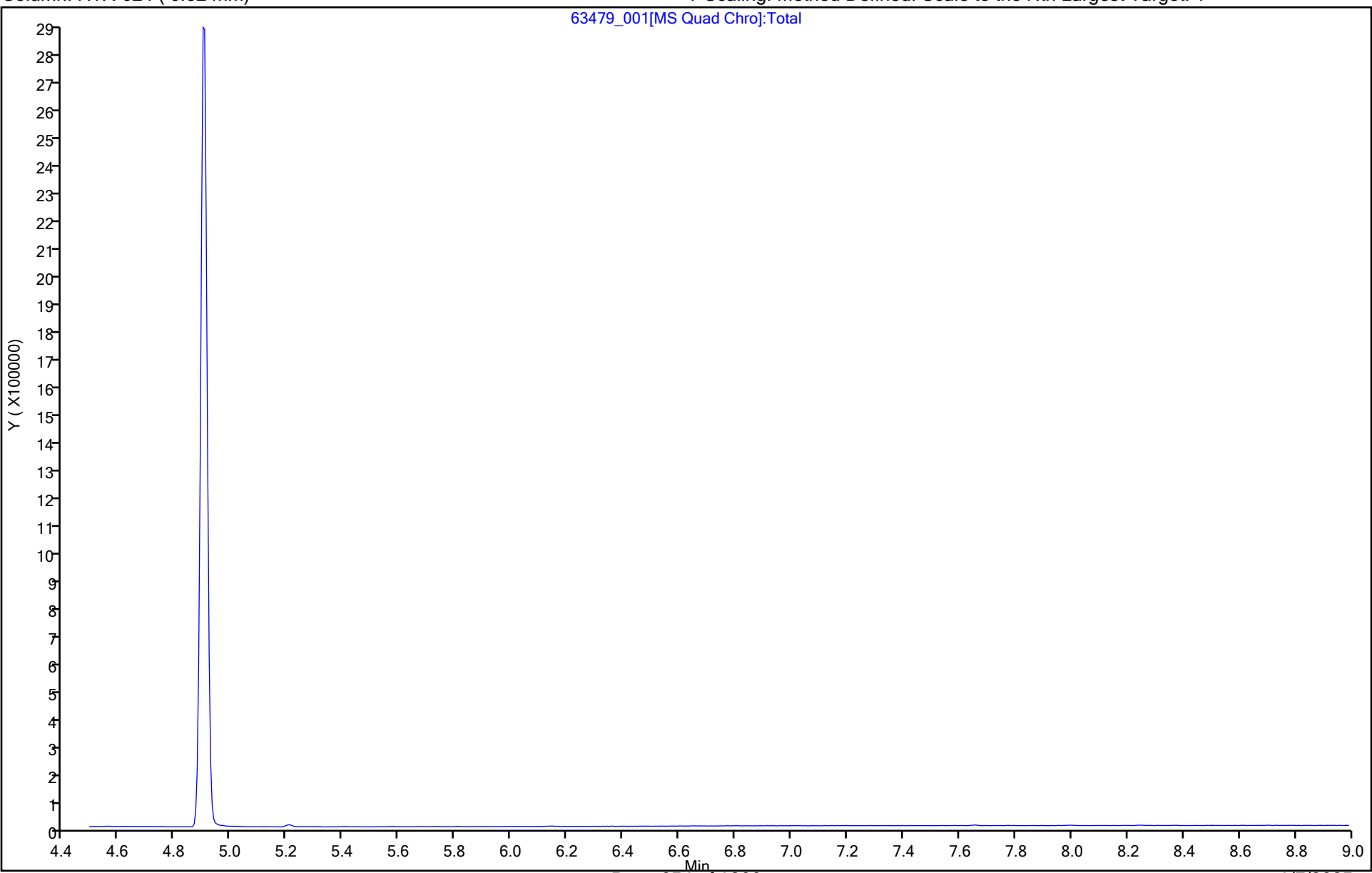
ALS Bottle#: 1

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\20250103-63569.b\63569_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 03-Jan-2025 07:06:18 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0063569-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHAM.i
Method: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Jan-2025 09:45:21 Calib Date: 21-Dec-2024 11:06:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1653

First Level Reviewer: F7XK

Date: 06-Jan-2025 09:45:21

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		11.677				10.0	ND	
* 49 1,4-Difluorobenzene	114		13.533				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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_001.D

Injection Date: 03-Jan-2025 07:06:18

Instrument ID: CHAM.i

Lims ID: bfb

Client ID:

Operator ID: vtp

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 200.0 mL

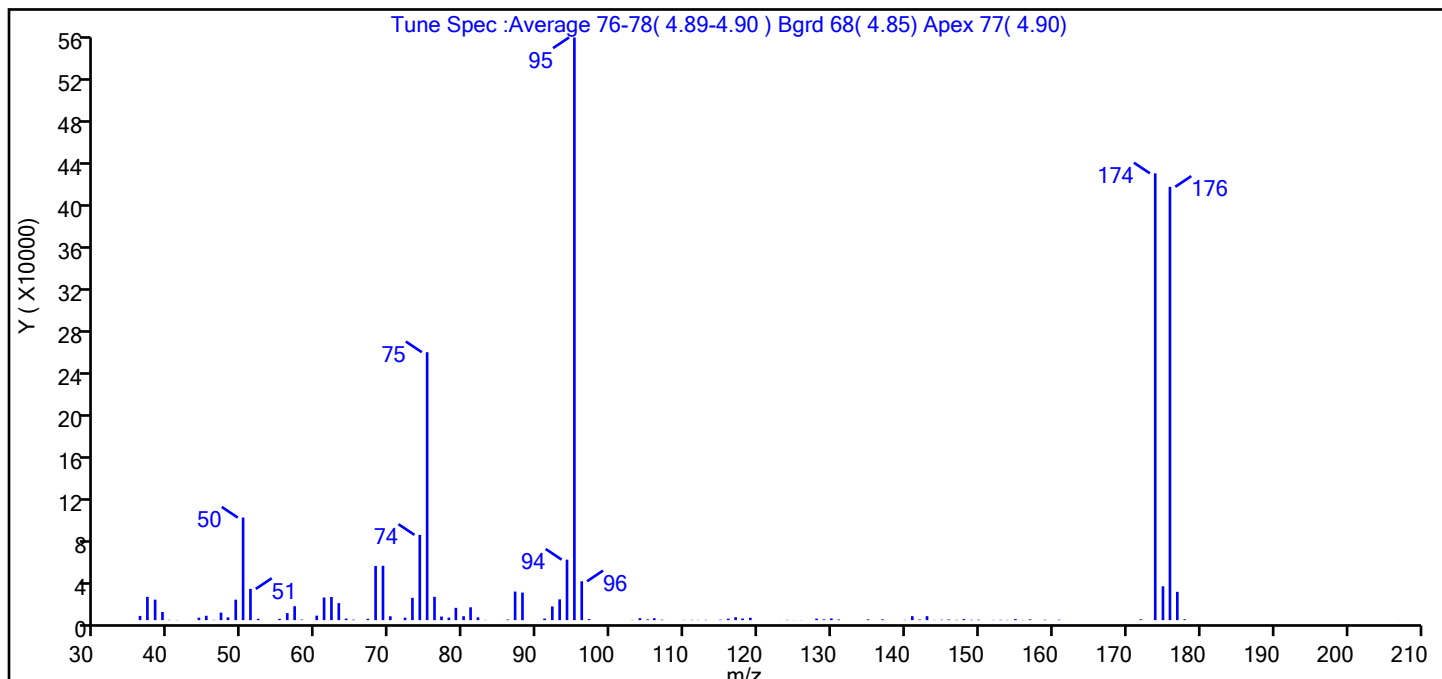
Dil. Factor: 1.0000

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	17.6
75	30.0 to 66.0 Percent of m/e 95	46.0
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	76.7
175	4.0 to 9.0 Percent of m/e 174	5.8 (7.6)
176	93.0 to 101.0 Percent of m/e 174	74.4 (97.0)
177	5.0 to 9.0 Percent of m/e 176	4.9 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_001.D\TO15_TO3_Master_Method_A
Injection Date: 03-Jan-2025 07:06:18
Spectrum: Tune Spec :Average 76-78(4.89-4.90) Bgrd 68(4.85) Apex 77(4.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4008	67.00	1247	97.00	1021	141.00	3759
37.00	22104	68.00	51328	103.00	217	142.00	561
38.00	19408	69.00	51488	104.00	1867	143.00	3779
39.00	7719	70.00	3651	105.00	699	144.00	237
40.00	255	71.00	58	106.00	1822	145.00	388
41.00	192	72.00	2367	107.00	433	146.00	627
43.00	50	73.00	21120	110.00	202	147.00	307
44.00	2368	74.00	80784	111.00	278	148.00	1028
45.00	4164	75.00	253824	112.00	222	149.00	349
46.00	282	76.00	22080	113.00	293	150.00	468
47.00	7127	77.00	3455	115.00	459	152.00	226
48.00	2653	78.00	2419	116.00	1402	153.00	374
49.00	19376	79.00	11660	117.00	2788	154.00	247
50.00	97152	80.00	3735	118.00	1531	155.00	1026
51.00	29592	81.00	12178	119.00	2296	156.00	219
52.00	1274	82.00	2670	123.00	52	157.00	778
55.00	1238	83.00	208	124.00	273	159.00	427
56.00	6645	86.00	618	125.00	113	161.00	479
57.00	13202	87.00	27064	126.00	119	172.00	807
58.00	518	88.00	26120	128.00	1442	174.00	423232
60.00	4262	91.00	1482	129.00	768	175.00	32048
61.00	21472	92.00	12983	130.00	1608	176.00	410496
62.00	21944	93.00	19720	131.00	641	177.00	26784
63.00	16143	94.00	57296	135.00	753	178.00	811
64.00	1498	95.00	551936	137.00	736	207.00	45
65.00	490	96.00	36832	140.00	277		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_001.D

Injection Date: 03-Jan-2025 07:06:18

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

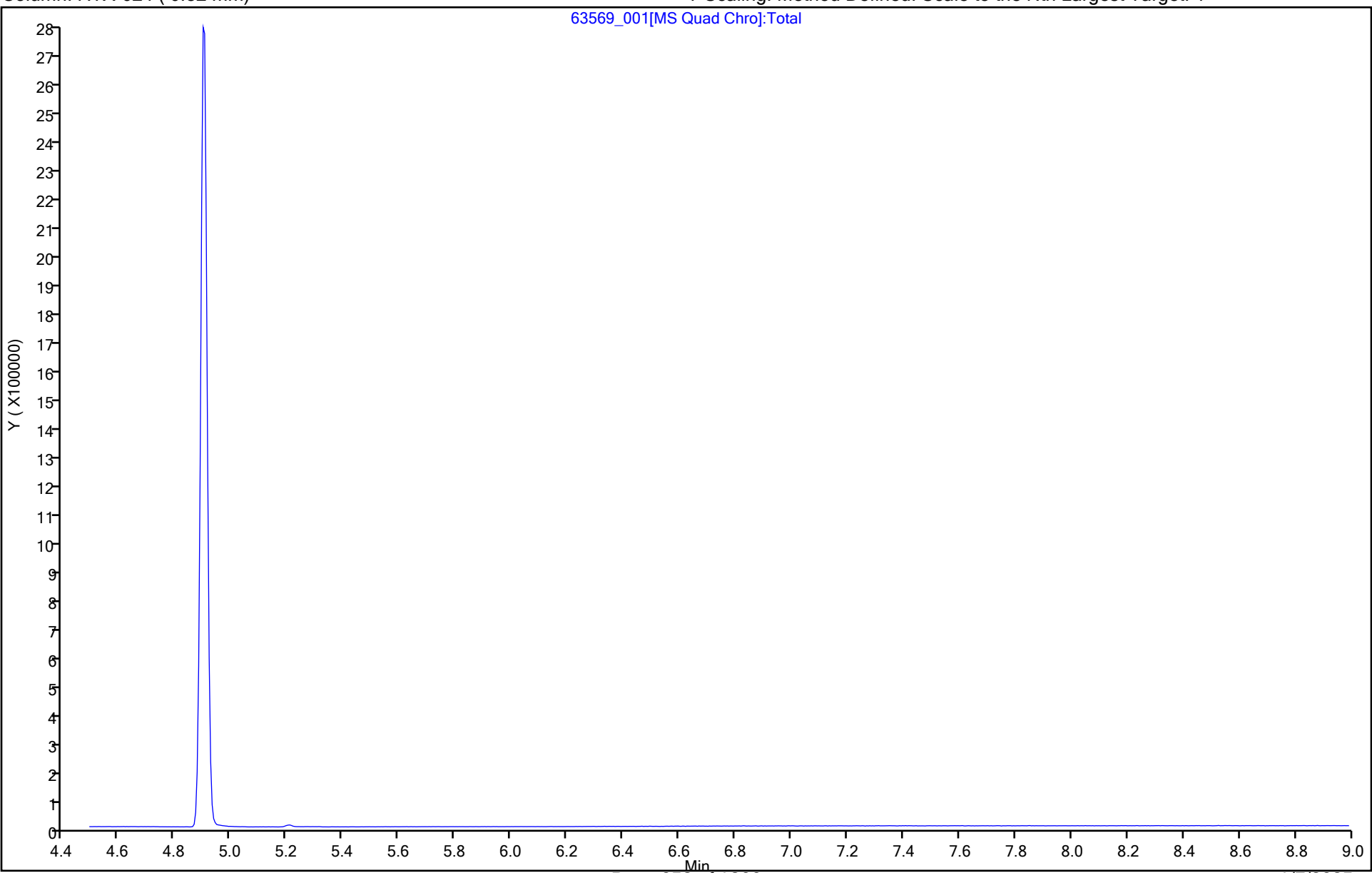
ALS Bottle#: 1

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\20250104-63582.b\63582_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 04-Jan-2025 08:50:59 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0063582-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHAM.i
Method: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Jan-2025 07:01:20 Calib Date: 21-Dec-2024 11:06:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: YWL8

Date: 06-Jan-2025 07:01:20

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	11.677					10.0	ND
* 49 1,4-Difluorobenzene	114	13.533					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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_001.D

Injection Date: 04-Jan-2025 08:50:59

Instrument ID: CHAM.i

Lims ID: bfb

Client ID:

Operator ID: vtp

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 200.0 mL

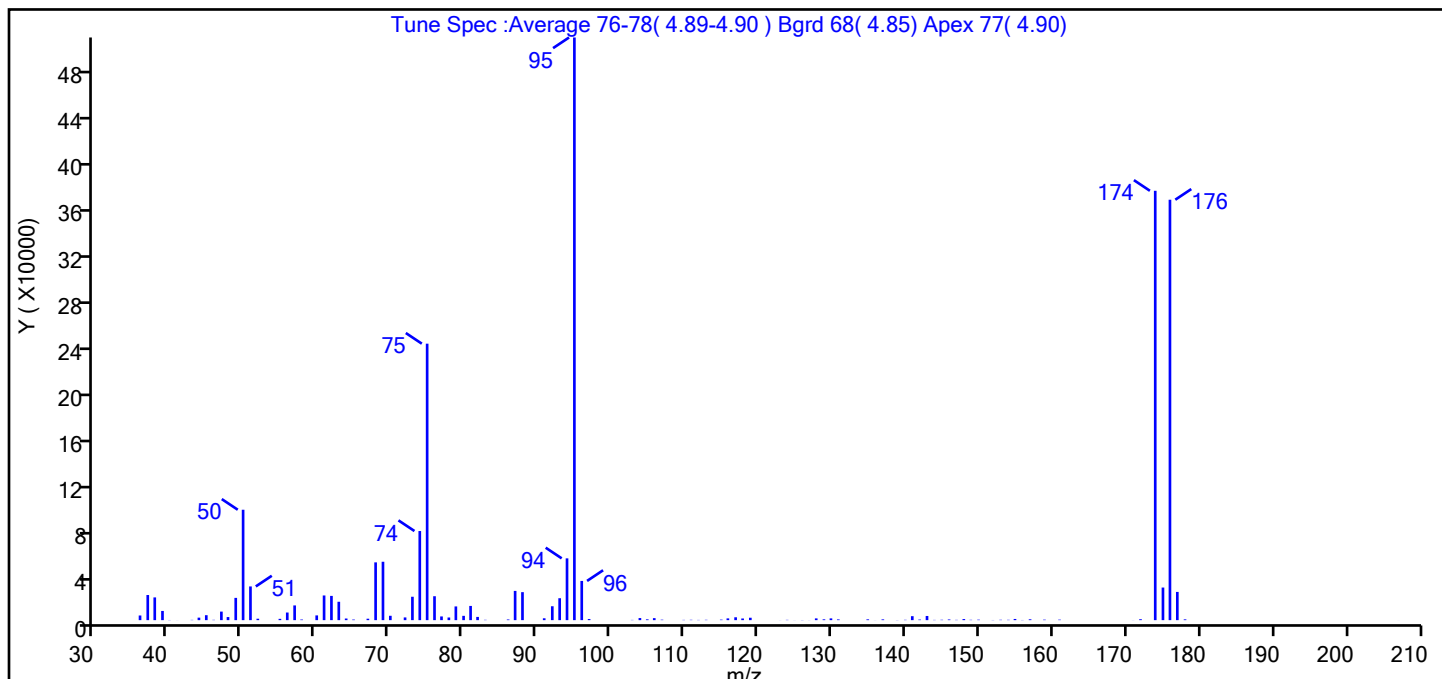
Dil. Factor: 1.0000

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	18.9
75	30.0 to 66.0 Percent of m/e 95	47.4
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	73.7
175	4.0 to 9.0 Percent of m/e 174	5.6 (7.6)
176	93.0 to 101.0 Percent of m/e 174	72.2 (97.9)
177	5.0 to 9.0 Percent of m/e 176	4.8 (6.7)

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_001.D\TO15_TO3_Master_Method_A
Injection Date: 04-Jan-2025 08:50:59
Spectrum: Tune Spec :Average 76-78(4.89-4.90) Bgrd 68(4.85) Apex 77(4.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4064	68.00	50504	105.00	694	142.00	497
37.00	21960	69.00	51040	106.00	1749	143.00	3641
38.00	19872	70.00	3812	107.00	401	144.00	218
39.00	8037	72.00	2375	110.00	225	145.00	323
40.00	134	73.00	20448	111.00	306	146.00	596
41.00	38	74.00	77896	112.00	199	147.00	253
43.00	224	75.00	241664	113.00	301	148.00	935
44.00	2179	76.00	20904	115.00	451	149.00	287
45.00	4319	77.00	3237	116.00	1527	150.00	419
46.00	269	78.00	2317	117.00	2503	152.00	133
47.00	7465	79.00	11991	118.00	1447	153.00	323
48.00	2699	80.00	3763	119.00	2100	154.00	292
49.00	19456	81.00	12422	123.00	53	155.00	1032
50.00	96504	82.00	2819	124.00	257	156.00	140
51.00	29464	83.00	273	125.00	53	157.00	739
52.00	1241	86.00	585	126.00	126	159.00	425
55.00	1132	87.00	25560	127.00	61	161.00	436
56.00	6661	88.00	24464	128.00	1530	171.00	57
57.00	12865	91.00	1624	129.00	716	172.00	801
58.00	534	92.00	12145	130.00	1528	174.00	375296
60.00	4142	93.00	19160	131.00	635	175.00	28496
61.00	21568	94.00	54008	135.00	701	176.00	367488
62.00	21192	95.00	509312	136.00	50	177.00	24664
63.00	16058	96.00	34280	137.00	664	178.00	684
64.00	1420	97.00	963	139.00	109	207.00	26
65.00	512	103.00	199	140.00	280		
67.00	1246	104.00	1826	141.00	3460		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_001.D

Injection Date: 04-Jan-2025 08:50:59

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

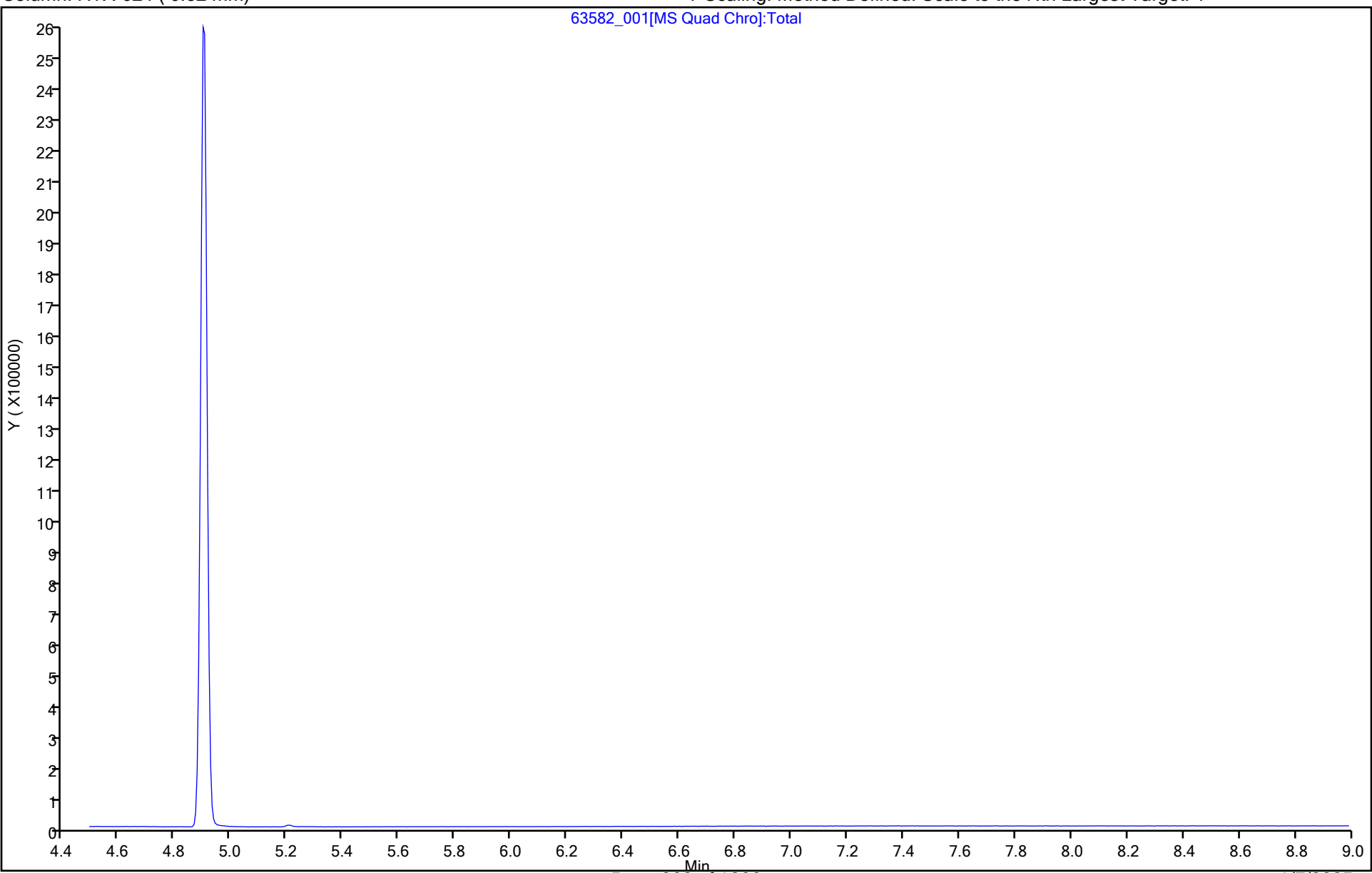
ALS Bottle#: 1

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\20241218-63422.b\63422_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 18-Dec-2024 14:01:41 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0063422-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHAN.i
Method: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Dec-2024 07:05:51 Calib Date: 19-Dec-2024 02:02:33
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1707

First Level Reviewer: BKZ7

Date: 19-Dec-2024 06:54:04

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	11.554					10.0	ND
* 49 1,4-Difluorobenzene	114	13.394					10.0	ND
* 73 Chlorobenzene-d5	117	18.862					10.0	ND

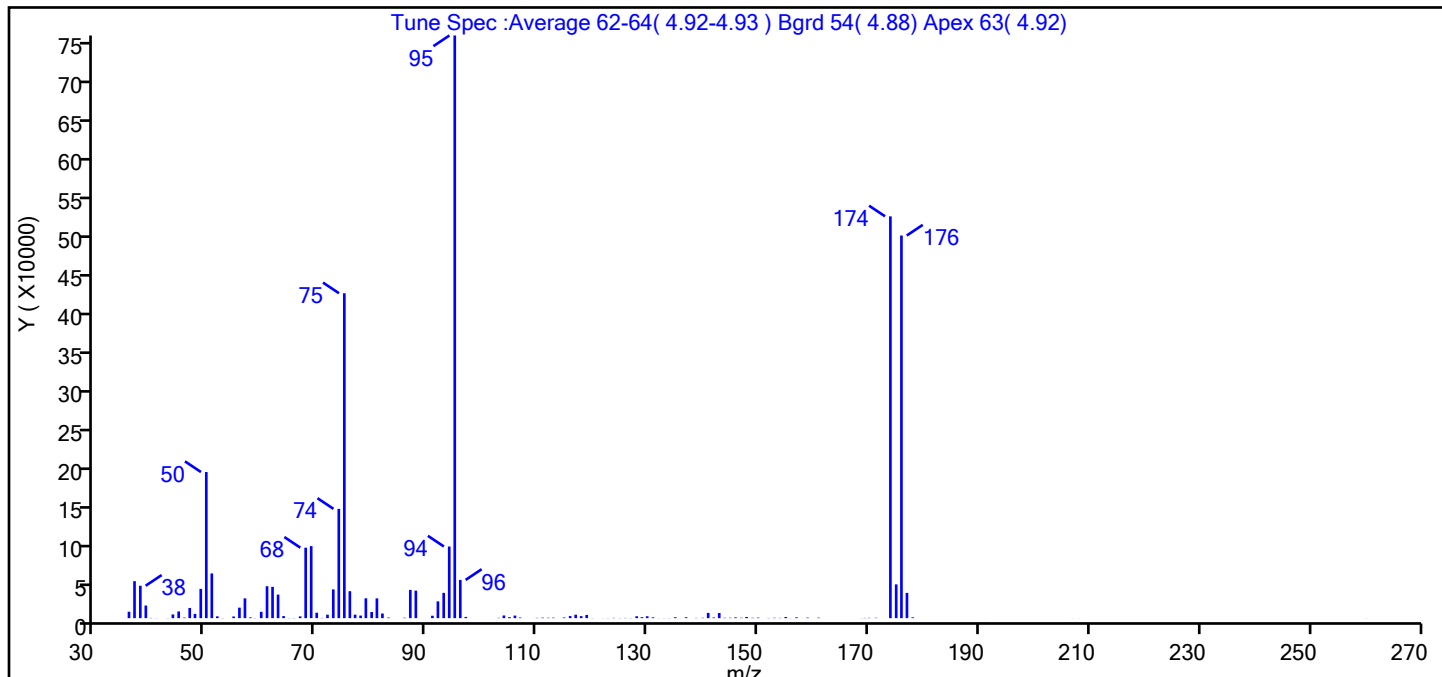
Reagents:

ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_001.D
Injection Date: 18-Dec-2024 14:01:41 Instrument ID: CHAN.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 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	25.1
75	30.0 to 66.0 Percent of m/e 95	55.8
96	5.0 to 9.0 Percent of m/e 95	6.6
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	69.0
175	4.0 to 9.0 Percent of m/e 174	5.8 (8.4)
176	93.0 to 101.0 Percent of m/e 174	65.7 (95.2)
177	5.0 to 9.0 Percent of m/e 176	4.3 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_001.D\TO15_TO3_Master_Method_A
Injection Date: 18-Dec-2024 14:01:41
Spectrum: Tune Spec :Average 62-64(4.92-4.93) Bgrd 54(4.88) Apex 63(4.92)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8319	68.00	91208	110.00	397	144.00	503
37.00	47864	69.00	93248	111.00	640	145.00	489
38.00	41952	70.00	7011	112.00	529	146.00	972
39.00	16345	71.00	294	113.00	630	147.00	481
40.00	325	72.00	4459	115.00	843	148.00	1523
41.00	138	73.00	37208	116.00	2696	149.00	475
42.00	28	74.00	141504	117.00	4431	150.00	709
43.00	183	75.00	420672	118.00	2605	152.00	273
44.00	4779	76.00	34912	119.00	4158	153.00	452
45.00	8693	77.00	4527	120.00	154	154.00	337
46.00	715	78.00	3325	122.00	129	155.00	1509
47.00	13202	79.00	25696	123.00	163	156.00	134
48.00	5518	80.00	7935	124.00	375	157.00	1013
49.00	37896	81.00	25616	125.00	192	159.00	687
50.00	189184	82.00	5993	126.00	296	161.00	618
51.00	57912	83.00	717	127.00	195	169.00	123
52.00	2289	86.00	571	128.00	2459	169.00	258
53.00	219	87.00	36592	129.00	1283	170.00	406
55.00	2127	88.00	35600	130.00	2460	171.00	474
56.00	13589	91.00	3107	131.00	1034	174.00	520256
57.00	25616	92.00	21744	132.00	80	175.00	43752
58.00	954	93.00	32752	133.00	139	176.00	495424
59.00	194	94.00	92760	134.00	207	177.00	32704
60.00	8200	95.00	754432	135.00	1129	178.00	1025
61.00	41352	96.00	49504	136.00	69	191.00	58
62.00	40512	97.00	1575	137.00	1134	207.00	55
63.00	30504	103.00	376	139.00	329	208.00	64
64.00	2642	104.00	3454	140.00	426	260.00	88
65.00	186	105.00	1307	141.00	6774		
66.00	194	106.00	3316	142.00	796		
67.00	2269	107.00	772	143.00	6663		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_001.D

Injection Date: 18-Dec-2024 14:01:41

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

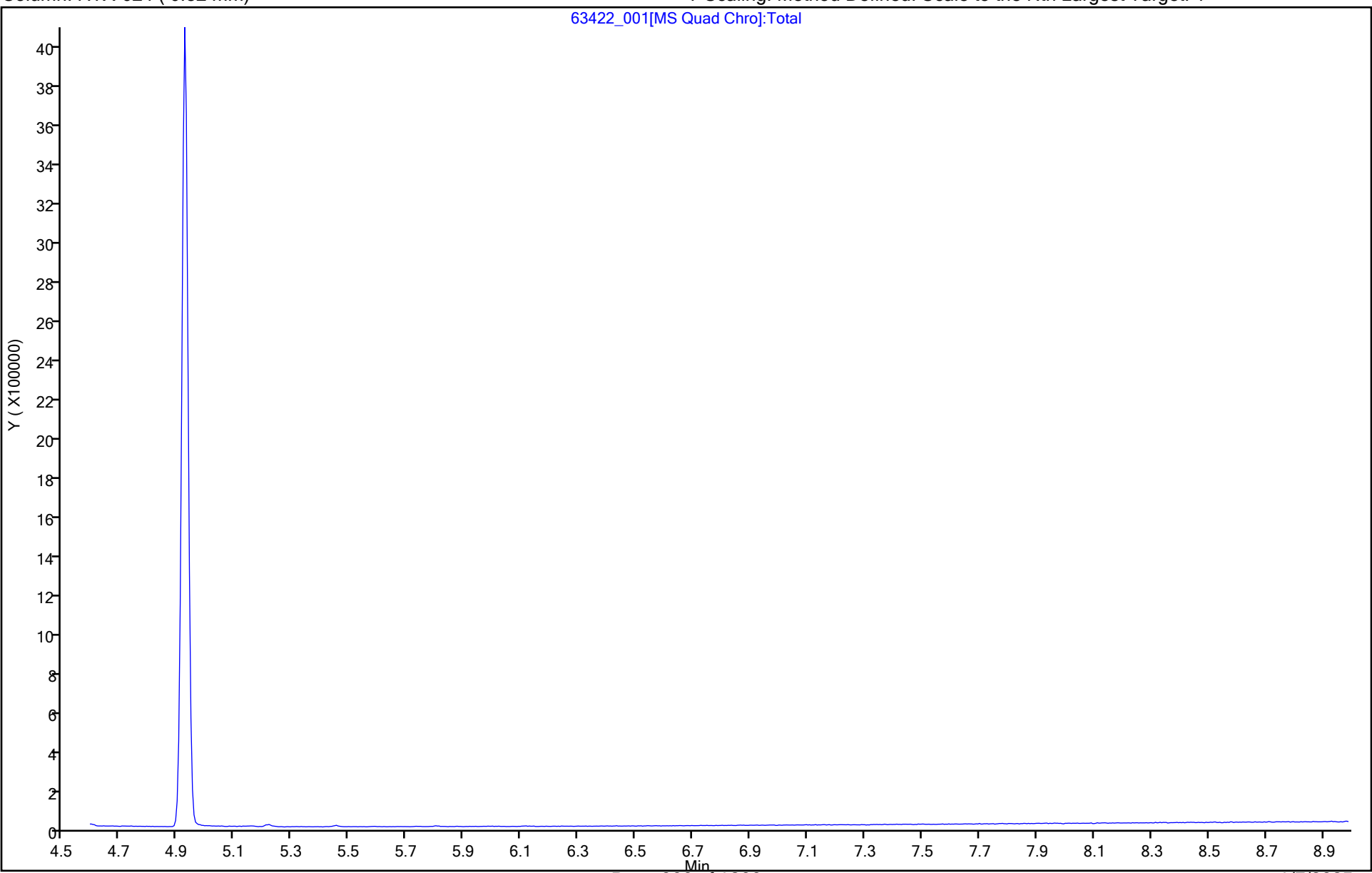
ALS Bottle#: 1

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\20250103-63568.b\63568_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 03-Jan-2025 07:08:21 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0063568-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHAN.i
Method: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 05-Jan-2025 20:18:09 Calib Date: 19-Dec-2024 02:02:33
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: YWL8

Date: 05-Jan-2025 20:18:09

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	11.543					10.0	ND
* 49 1,4-Difluorobenzene	114	13.389					10.0	ND
* 73 Chlorobenzene-d5	117	18.856					10.0	ND

QC Flag Legend

Processing Flags

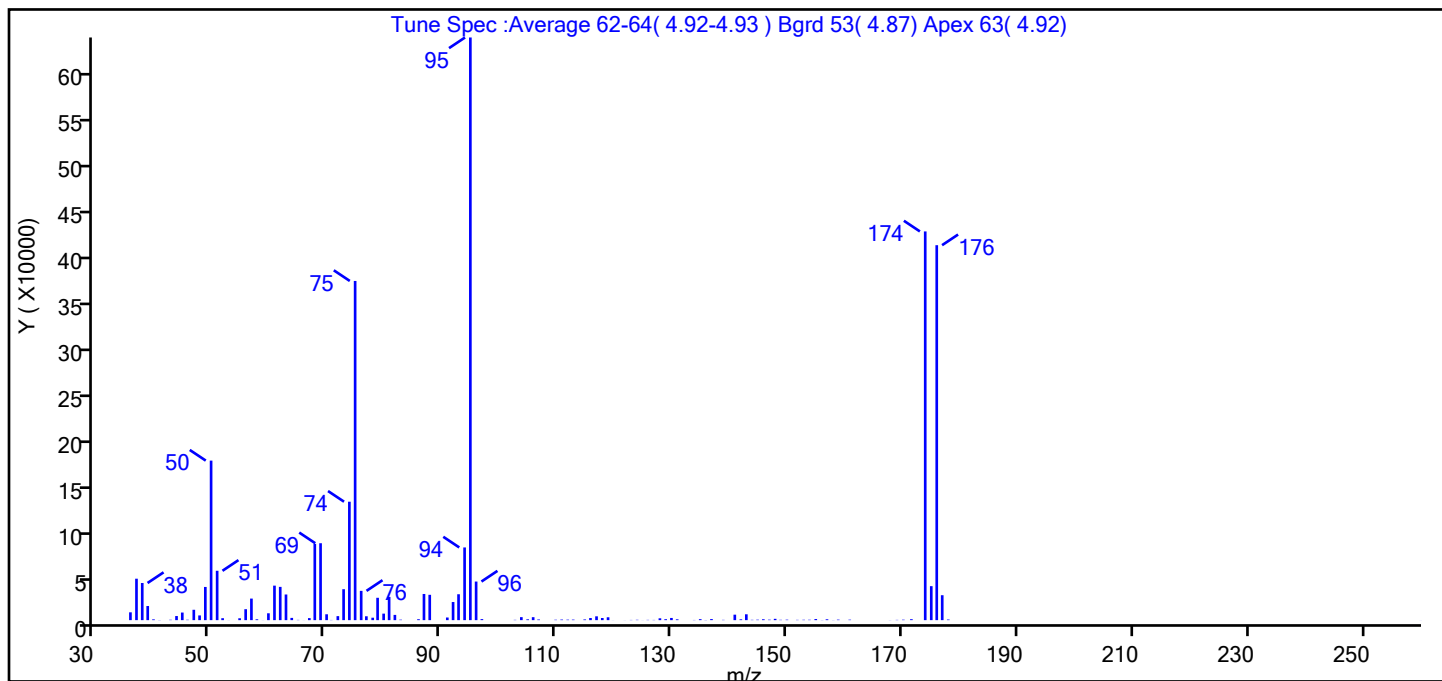
Reagents:

ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_001.D
Injection Date: 03-Jan-2025 07:08:21 Instrument ID: CHAN.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 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	27.4
75	30.0 to 66.0 Percent of m/e 95	58.2
96	5.0 to 9.0 Percent of m/e 95	6.6
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	66.7
175	4.0 to 9.0 Percent of m/e 174	5.8 (8.7)
176	93.0 to 101.0 Percent of m/e 174	64.4 (96.5)
177	5.0 to 9.0 Percent of m/e 176	4.3 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_001.D\TO15_TO3_Master_Method_A
Injection Date: 03-Jan-2025 07:08:21
Spectrum: Tune Spec :Average 62-64(4.92-4.93) Bgrd 53(4.87) Apex 63(4.92)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 115

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8517	67.00	2205	105.00	894	142.00	875
37.00	45080	68.00	82976	106.00	3227	143.00	6376
38.00	40416	69.00	83688	107.00	717	144.00	353
39.00	15368	70.00	6387	110.00	438	145.00	508
40.00	851	71.00	201	111.00	637	146.00	954
41.00	146	72.00	4368	112.00	531	147.00	524
43.00	411	73.00	33664	113.00	588	148.00	1434
44.00	4468	74.00	128848	115.00	765	149.00	355
45.00	8266	75.00	369024	116.00	2296	150.00	525
46.00	427	76.00	31864	117.00	4161	152.00	321
47.00	11276	77.00	4217	118.00	2320	153.00	410
48.00	5122	78.00	2646	119.00	3124	154.00	434
49.00	36112	79.00	24320	120.00	57	155.00	1188
50.00	173568	80.00	7093	122.00	62	156.00	130
51.00	53704	81.00	25256	123.00	230	157.00	934
52.00	2123	82.00	5708	124.00	390	158.00	106
53.00	68	83.00	506	125.00	60	159.00	563
55.00	2040	86.00	993	126.00	300	161.00	518
56.00	11905	87.00	28472	127.00	240	168.00	103
57.00	23464	88.00	27560	128.00	1998	169.00	289
58.00	915	91.00	2870	129.00	1028	170.00	490
59.00	64	92.00	19704	130.00	2387	172.00	1010
60.00	7469	93.00	28168	131.00	887	174.00	422912
61.00	37544	94.00	79088	134.00	203	175.00	36976
62.00	36192	95.00	633920	135.00	1058	176.00	407936
63.00	27912	96.00	41992	136.00	157	177.00	27120
64.00	2449	97.00	1125	137.00	1157	178.00	662
65.00	273	103.00	321	139.00	313	260.00	53
66.00	60	104.00	3261	141.00	5950		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_001.D

Injection Date: 03-Jan-2025 07:08:21

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

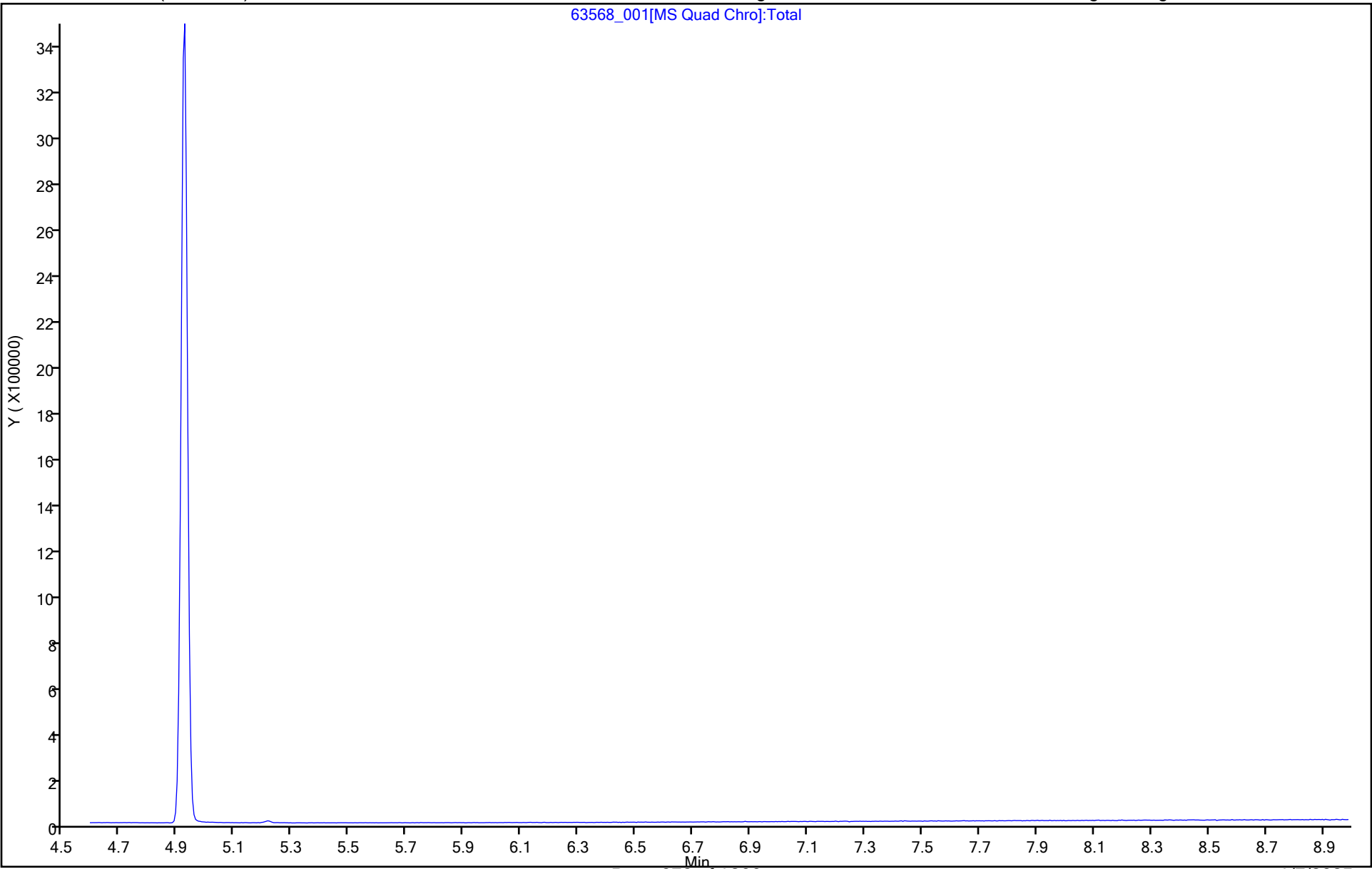
ALS Bottle#: 1

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\20250106-63588.b\63588_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 06-Jan-2025 07:30:45 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0063588-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHAN.i
Method: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 07-Jan-2025 09:59:55 Calib Date: 19-Dec-2024 02:02:33
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: YWL8

Date: 07-Jan-2025 09:59:55

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	11.543					10.0	ND
* 49 1,4-Difluorobenzene	114	13.383					10.0	ND
* 73 Chlorobenzene-d5	117	18.856					10.0	ND

QC Flag Legend

Processing Flags

Reagents:

ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_001.D

Injection Date: 06-Jan-2025 07:30:45

Instrument ID: CHAN.i

Lims ID: bfb

Client ID:

Operator ID: wrd

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 200.0 mL

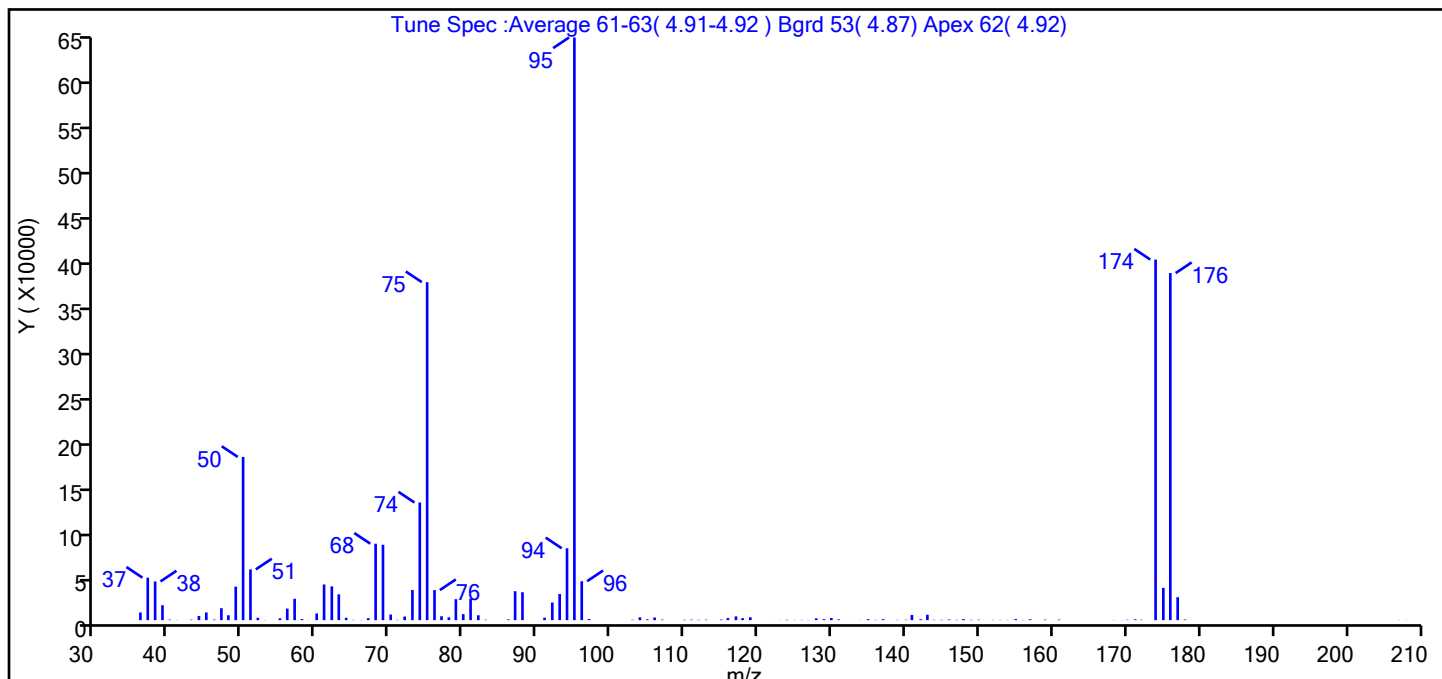
Dil. Factor: 1.0000

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	28.0
75	30.0 to 66.0 Percent of m/e 95	58.0
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	61.9
175	4.0 to 9.0 Percent of m/e 174	5.5 (9.0)
176	93.0 to 101.0 Percent of m/e 174	59.6 (96.3)
177	5.0 to 9.0 Percent of m/e 176	3.9 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_001.D\TO15_TO3_Master_Method_A
Injection Date: 06-Jan-2025 07:30:45
Spectrum: Tune Spec :Average 61-63(4.91-4.92) Bgrd 53(4.87) Apex 62(4.92)
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	8416	68.00	83984	107.00	588	142.00	968
37.00	46664	69.00	82816	110.00	439	143.00	5926
38.00	42504	70.00	6150	111.00	569	144.00	370
39.00	16416	71.00	372	112.00	395	145.00	422
40.00	614	72.00	3982	113.00	549	146.00	709
41.00	182	73.00	33176	115.00	663	147.00	346
43.00	500	74.00	129256	116.00	2278	148.00	1213
44.00	4595	75.00	371392	117.00	4141	149.00	398
45.00	8475	76.00	33024	118.00	2175	150.00	485
46.00	626	77.00	4280	119.00	3179	152.00	263
47.00	13142	78.00	3126	122.00	53	153.00	311
48.00	5382	79.00	23032	123.00	112	154.00	239
49.00	36808	80.00	6627	124.00	433	155.00	1140
50.00	179328	81.00	23496	125.00	193	156.00	144
51.00	55760	82.00	5359	126.00	298	157.00	963
52.00	2601	83.00	461	127.00	197	159.00	572
53.00	160	86.00	812	128.00	1985	161.00	639
55.00	2049	87.00	31800	129.00	1059	168.00	171
56.00	12706	88.00	30680	130.00	2363	169.00	145
57.00	23440	91.00	2725	131.00	799	170.00	416
58.00	1172	92.00	19360	132.00	51	171.00	926
59.00	124	93.00	28720	133.00	56	172.00	419
60.00	7323	94.00	78968	134.00	117	174.00	396224
61.00	39184	95.00	640256	135.00	1076	175.00	35464
62.00	37088	96.00	42784	136.00	264	176.00	381376
63.00	28344	97.00	1216	137.00	1041	177.00	25232
64.00	2629	103.00	402	139.00	74	178.00	727
65.00	271	104.00	3133	139.00	286	207.00	200
66.00	222	105.00	921	140.00	452	208.00	110
67.00	2186	106.00	2879	141.00	5705		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_001.D

Injection Date: 06-Jan-2025 07:30:45

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

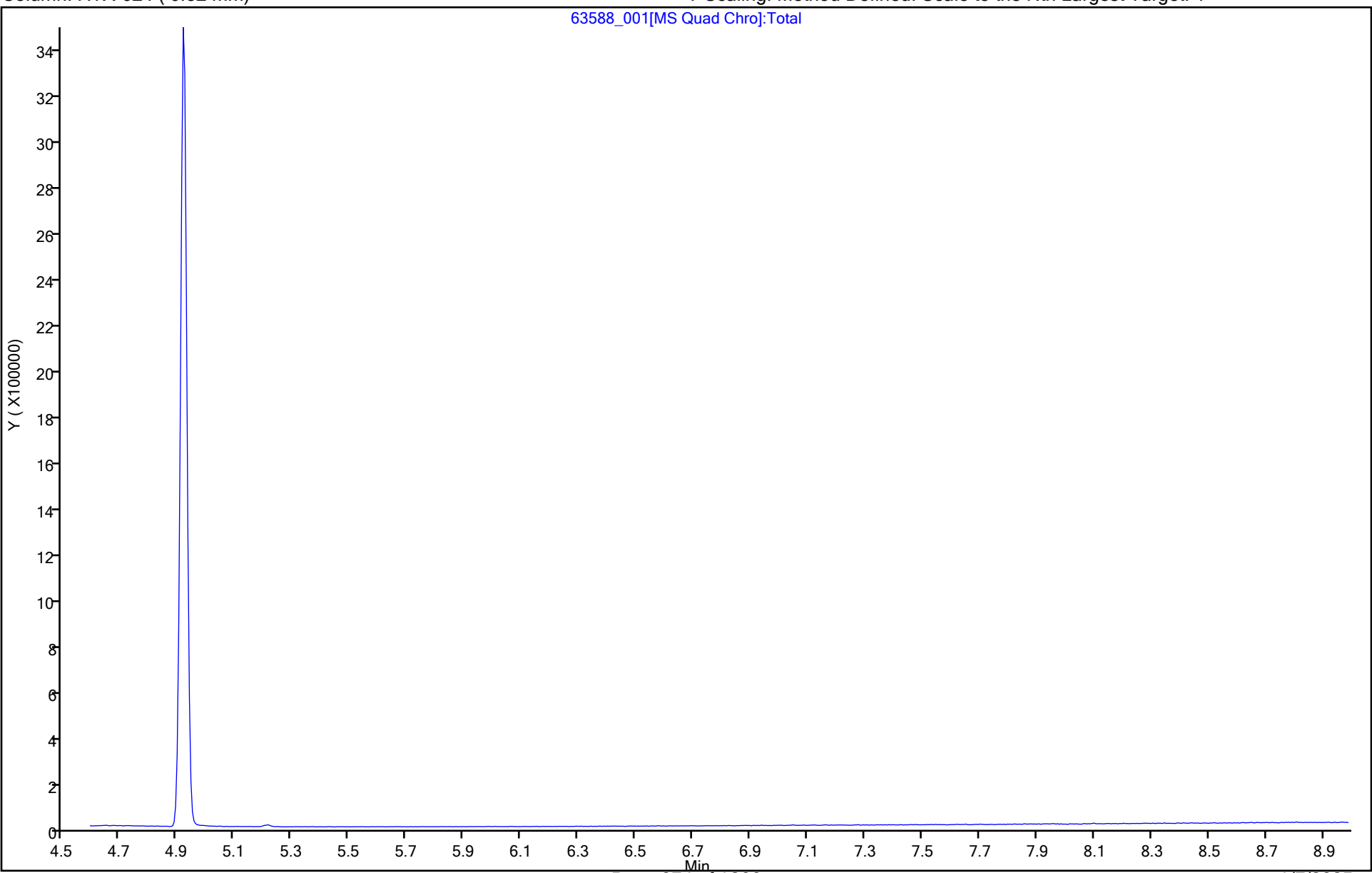
ALS Bottle#: 1

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.: 200-76392-1

SDG No.: 200-76392-1

Client Sample ID: _____ Lab Sample ID: MB 200-212533/6

Matrix: Air Lab File ID: 63568_006.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 11:24

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.: 212533 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
64-17-5	Ethanol	46.07	9.4	U	9.4	4.9
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212533/6</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 11:24</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14
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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: MB 200-212533/6
Matrix: Air Lab File ID: 63568_006.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 11:24
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.: 212533 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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	2.6	U	2.6	1.6

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Client Sample ID: _____ Lab Sample ID: MB 200-212533/6

Matrix: Air Lab File ID: 63568_006.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 11:24

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.: 212533 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
64-17-5	Ethanol	46.07	5.0	U	5.0	2.6
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212533/6</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 11:24</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022
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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: MB 200-212533/6
Matrix: Air Lab File ID: 63568_006.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 11:24
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.: 212533 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_006.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 03-Jan-2025 11:24:38 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063568-006
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jan-2025 20:20:51 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1603

First Level Reviewer: YWL8

Date: 05-Jan-2025 20:20:51

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		4.353					ND	7
2 Dichlorodifluoromethane	85		4.449					ND	
3 Chlorodifluoromethane	51		4.492					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.813					ND	
5 Chloromethane	50		4.931					ND	7
6 Vinyl chloride	62		5.225					ND	
7 Butane	43		5.230					ND	7
8 Butadiene	54		5.343					ND	
9 Bromomethane	94		6.065					ND	
10 Chloroethane	64		6.333					ND	
12 2-Methylbutane	43		6.552					ND	
13 Vinyl bromide	106		6.755					ND	
14 Trichlorofluoromethane	101		6.921					ND	
15 Pentane	43		7.124					ND	7
16 Ethanol	45		7.269					ND	
18 Ethyl ether	59		7.531					ND	
19 Acrolein	56		7.761					ND	
20 1,1-Dichloroethene	96		7.975					ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.018					ND	
22 Acetone	43		8.034					ND	
23 Isopropyl alcohol	45		8.323					ND	
24 Carbon disulfide	76		8.376					ND	7
25 Acetonitrile	41		8.526					ND	7
26 3-Chloro-1-propene	41		8.660					ND	7
27 Methylene Chloride	49		8.884					ND	7
28 2-Methyl-2-propanol	59		9.088					ND	
29 Acrylonitrile	53		9.270					ND	
30 trans-1,2-Dichloroethene	61		9.387					ND	
31 Methyl tert-butyl ether	73		9.393					ND	7
32 Hexane	57		9.906					ND	
33 1,1-Dichloroethane	63		10.147					ND	
34 Vinyl acetate	43		10.152					ND	

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		11.105					ND	
37 cis-1,2-Dichloroethene	96		11.137					ND	7
38 Ethyl acetate	88		11.195					ND	
* 39 Chlorobromomethane	128	11.548	11.543	0.005	91	429112	10.0	10.0	
40 Tetrahydrofuran	42		11.591					ND	7
41 Chloroform	83		11.725					ND	
42 1,1,1-Trichloroethane	97		12.041					ND	
43 Cyclohexane	84		12.185					ND	
44 Carbon tetrachloride	117		12.319					ND	
45 Benzene	78		12.661					ND	7
46 1,2-Dichloroethane	62		12.725					ND	
47 Isooctane	57		12.891					ND	
48 n-Heptane	43		13.196					ND	7
* 49 1,4-Difluorobenzene	114	13.389	13.389	0.000	98	2183676	10.0	10.0	
50 n-Butanol	56		13.592					ND	7
51 Trichloroethene	95		13.822					ND	
A 52 GRO	1	14.213	(6.542-21.884)		0	7198769		0	
53 1,2-Dichloropropane	63		14.272					ND	
54 Methyl methacrylate	69		14.363					ND	
55 1,4-Dioxane	88		14.400					ND	
57 Dibromomethane	174	14.437	14.427	0.010	85	714		0.0116	
58 Dichlorobromomethane	83		14.737					ND	
59 cis-1,3-Dichloropropene	75		15.539					ND	7
A 60 TVOC as Toluene	1	15.566	(4.343-26.789)		0	7334251		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.796					ND	
62 Toluene	92		16.187					ND	7
A 63 Toluene Range	1	16.195	(16.117-16.272)		0	5826		NC	
64 n-Octane	43		16.449					ND	
A 65 C8 Range	1		(16.379-16.540)					ND	
66 trans-1,3-Dichloropropene	75		16.588					ND	7
67 1,1,2-Trichloroethane	83		16.963					ND	
68 Tetrachloroethene	166		17.182					ND	
69 2-Hexanone	43		17.369					ND	
70 Chlorodibromomethane	129		17.701					ND	
71 Ethylene Dibromide	107		17.942					ND	7
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	94	1852325	10.0	10.0	
74 Chlorobenzene	112		18.915					ND	7
75 Ethylbenzene	91		19.113					ND	7
76 m-Xylene & p-Xylene	106		19.375					ND	
77 n-Nonane	57		19.445					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.146					ND	
79 Styrene	104		20.178					ND	
81 Bromoform	173		20.509					ND	
82 Isopropylbenzene	105		20.836					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.333					ND	7
84 1,2,3-Trichloropropane	75		21.435					ND	
85 N-Propylbenzene	91		21.547					ND	7
86 2-Chlorotoluene	91		21.692					ND	7
87 4-Ethyltoluene	105	21.745	21.745	0.005	42	1575		0.005306	7M
88 1,3,5-Trimethylbenzene	105		21.836					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	21.873	21.873	-0.001	34	2364		0.0105	7M
90 Alpha Methyl Styrene	118		22.157				ND		7
91 tert-Butylbenzene	119		22.318				ND		7
92 1,2,4-Trimethylbenzene	105	22.398	22.398	-0.005	91	1893		0.007450	7M
93 sec-Butylbenzene	105		22.639				ND		7
94 1,3-Dichlorobenzene	146	22.809	22.804	0.005	83	1795		0.0116	
95 4-Isopropyltoluene	119		22.853				ND		7
96 1,4-Dichlorobenzene	146	22.954	22.949	0.005	78	2071		0.0135	
97 Benzyl chloride	91		23.088				ND		7
98 n-Butylbenzene	91		23.409				ND		7
99 1,2-Dichlorobenzene	146	23.446	23.436	0.010	88	1662		0.0109	
100 Undecane	57		23.564				ND		7
101 Dodecane	57		25.153				ND		
102 1,2,4-Trichlorobenzene	180		25.886				ND		7
103 Hexachlorobutadiene	225		26.137				ND		7
104 Naphthalene	128		26.362				ND		7
105 1,2,3-Trichlorobenzene	180		26.779				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

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_006.D

Injection Date: 03-Jan-2025 11:24:38

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

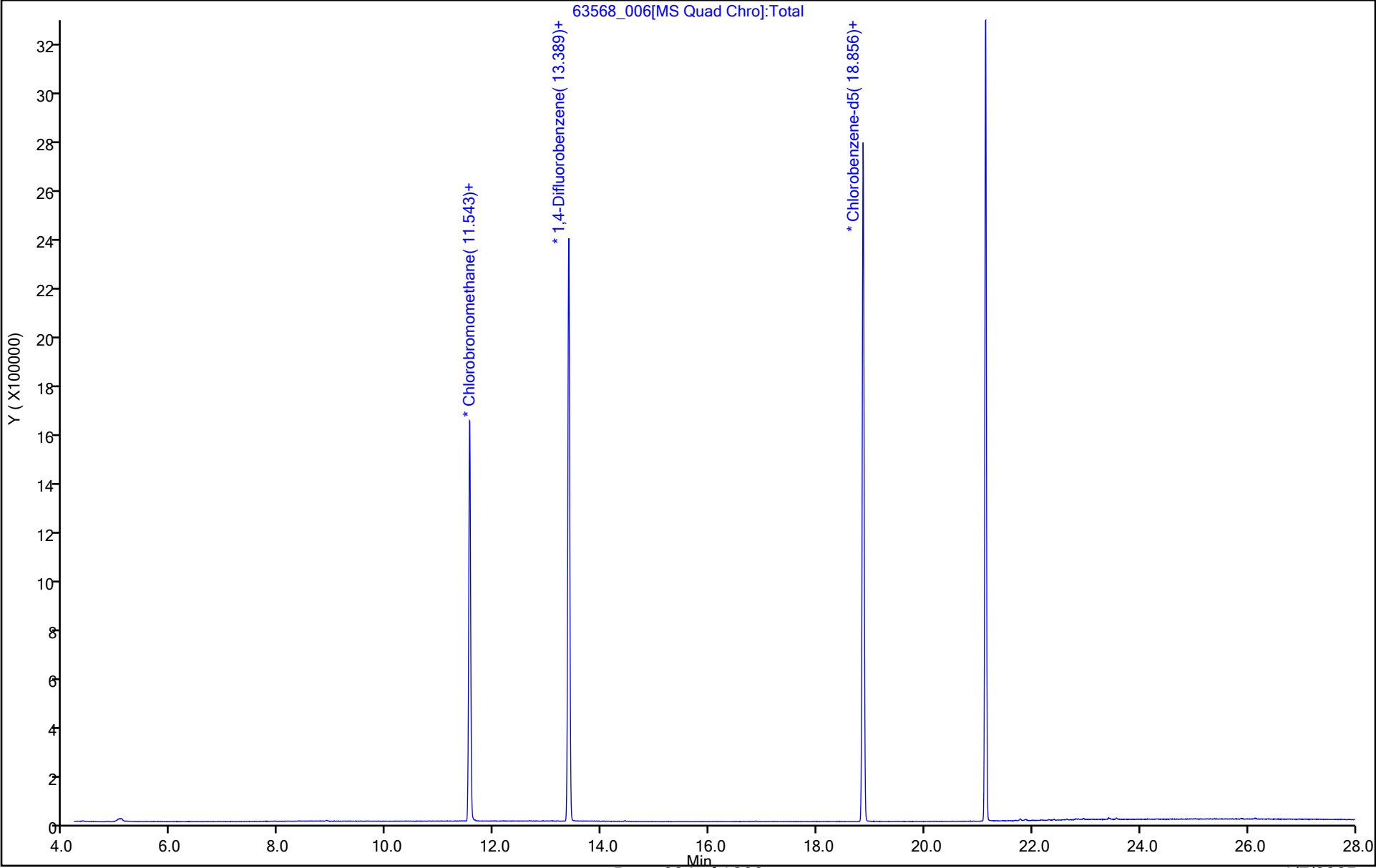
ALS Bottle#: 5

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

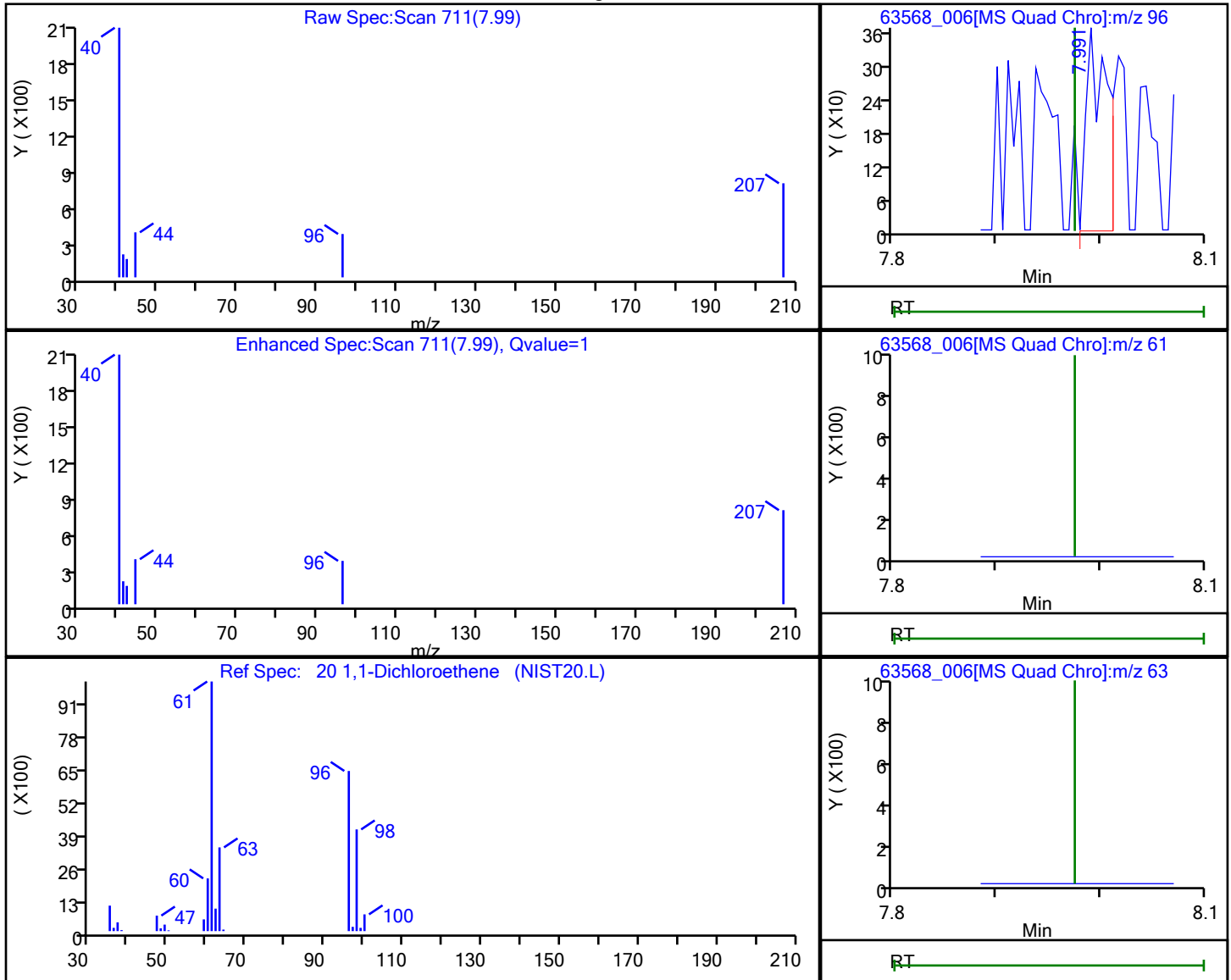


Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_006.D
Injection Date: 03-Jan-2025 11:24:38 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 5 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

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
7.99	96.00	506	0.008445
7.97	61.00	0	
7.97	63.00	0	

Reviewer: YWL8, 05-Jan-2025 20:19:40 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_006.D

Injection Date: 03-Jan-2025 11:24:38

Instrument ID: CHAN.i

Lims ID: mb

Client ID:

Operator ID: wrd

ALS Bottle#:

5

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)

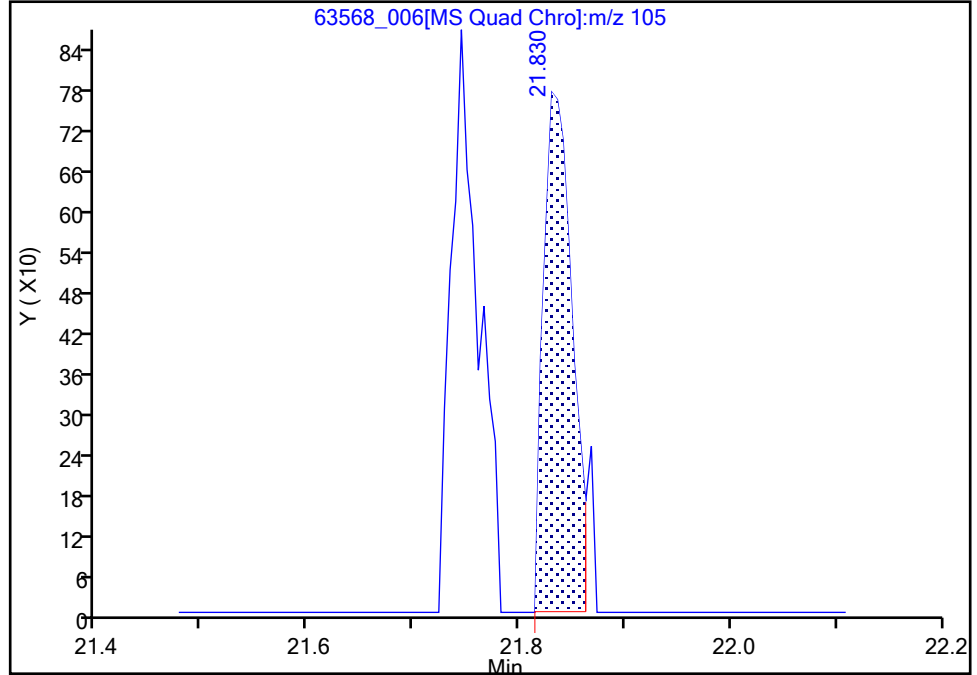
Detector: MS SCAN

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

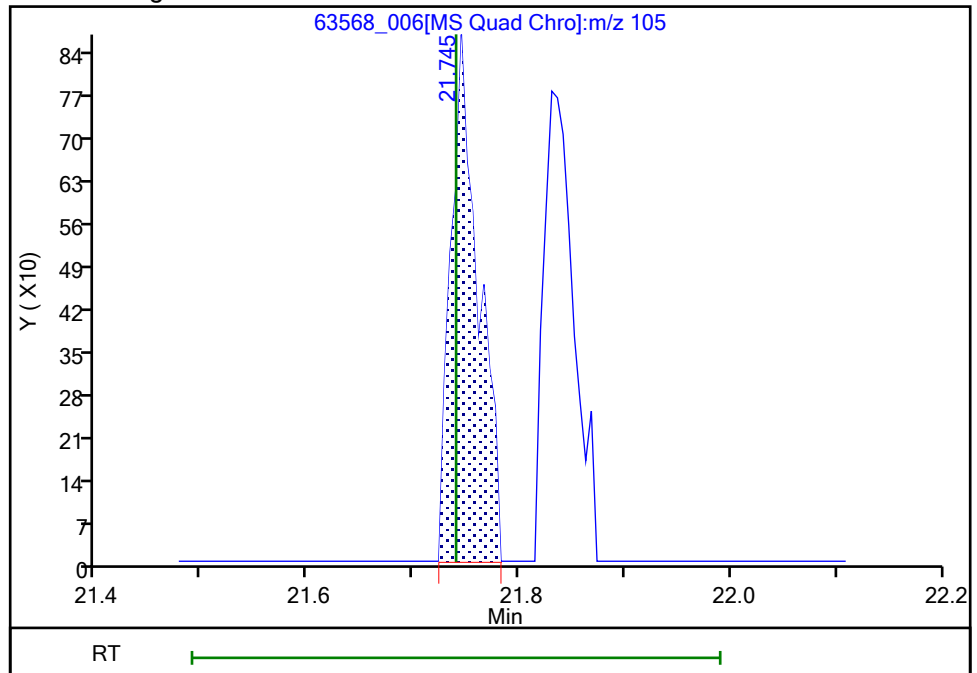
RT: 21.83
Area: 1459
Amount: 0.004916
Amount Units: ppb v/v

Processing Integration Results



RT: 21.74
Area: 1575
Amount: 0.005306
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 20:20:06 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_006.D

Injection Date: 03-Jan-2025 11:24:38

Instrument ID: CHAN.i

Lims ID: mb

Client ID:

Operator ID: wrd

ALS Bottle#:

5

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)

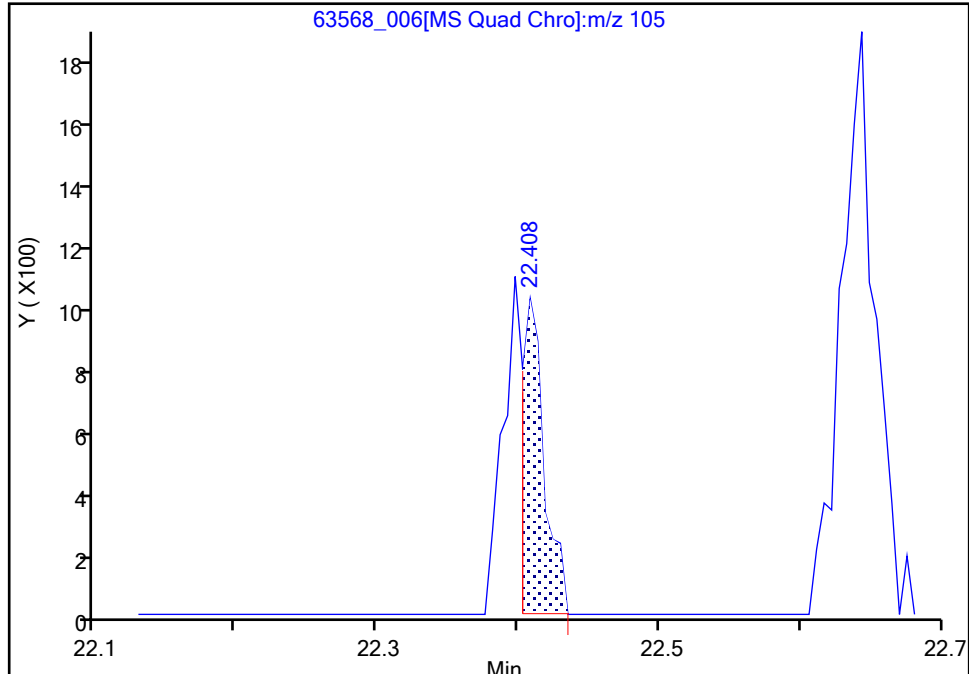
Detector: MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

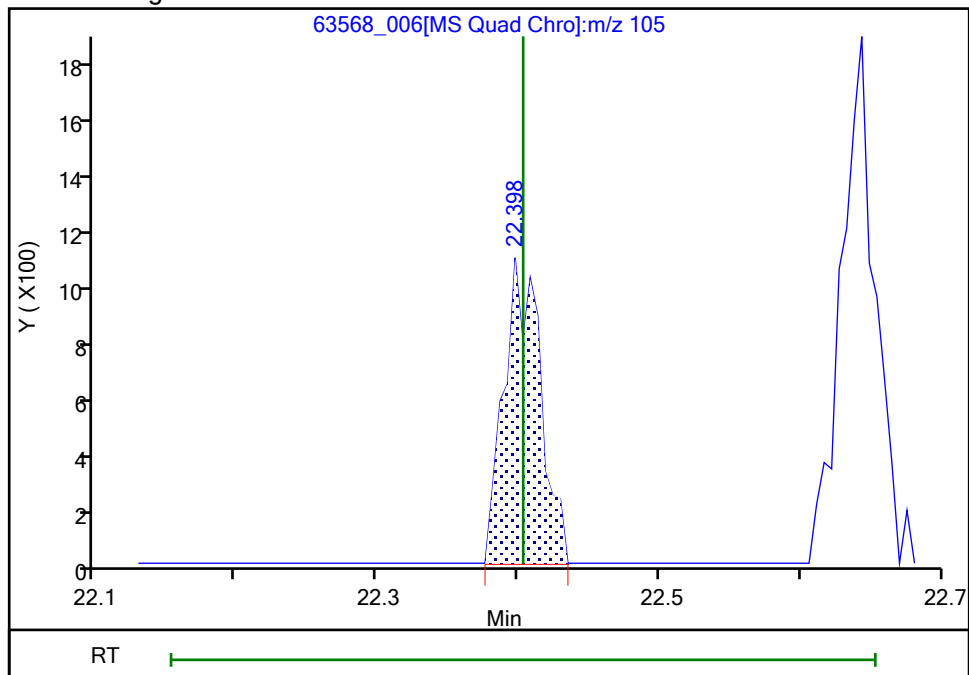
RT: 22.41
Area: 1088
Amount: 0.004282
Amount Units: ppb v/v

Processing Integration Results



RT: 22.40
Area: 1893
Amount: 0.007450
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 05-Jan-2025 20:20:35 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.: 200-76392-1

SDG No.: 200-76392-1

Client Sample ID: _____ Lab Sample ID: MB 200-212534/4

Matrix: Air Lab File ID: 63569_004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 09:37

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.: 212534 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
64-17-5	Ethanol	46.07	9.4	U	9.4	4.9
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	0.120	J	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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Client Sample ID: _____ Lab Sample ID: MB 200-212534/4

Matrix: Air Lab File ID: 63569_004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 09:37

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.: 212534 Units: ug/m3

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

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14
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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Client Sample ID: _____ Lab Sample ID: MB 200-212534/4
 Matrix: Air Lab File ID: 63569_004.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 09:37
 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.: 212534 Units: ug/m3
 Preparation Batch No.: _____ Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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	2.6	U	2.6	1.6

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Client Sample ID: _____ Lab Sample ID: MB 200-212534/4

Matrix: Air Lab File ID: 63569_004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 09:37

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.: 212534 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
64-17-5	Ethanol	46.07	5.0	U	5.0	2.6
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	0.0303	J	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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212534/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 09:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212534/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 09:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_004.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 03-Jan-2025 09:37:06 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063569-004
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 09:53:19 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: F7XK

Date: 06-Jan-2025 09:53:19

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					ND	7
2 Dichlorodifluoromethane	85		4.374					ND	
3 Chlorodifluoromethane	51		4.428					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.749					ND	
5 Chloromethane	50		4.877					ND	7
7 Butane	43	5.188	5.188	0.011	86	2447		0.0313	7M
6 Vinyl chloride	62		5.182					ND	
8 Butadiene	54		5.294					ND	
9 Bromomethane	94		6.049					ND	
10 Chloroethane	64		6.327					ND	
12 2-Methylbutane	43		6.535					ND	7
13 Vinyl bromide	106		6.760					ND	
14 Trichlorofluoromethane	101		6.921					ND	
15 Pentane	43		7.129					ND	7
16 Ethanol	45		7.333					ND	
18 Ethyl ether	59		7.557					ND	
19 Acrolein	56		7.814					ND	
20 1,1-Dichloroethene	96		8.007					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.044					ND	
22 Acetone	43		8.103					ND	7
23 Isopropyl alcohol	45		8.408					ND	
24 Carbon disulfide	76		8.413					ND	
25 Acetonitrile	41		8.627					ND	
26 3-Chloro-1-propene	41		8.718					ND	7
27 Methylene Chloride	49		8.964					ND	7
28 2-Methyl-2-propanol	59		9.194					ND	
29 Acrylonitrile	53		9.382					ND	
30 trans-1,2-Dichloroethene	61		9.456					ND	
31 Methyl tert-butyl ether	73		9.462					ND	
32 Hexane	57		9.970					ND	7
S 35 1,2-Dichloroethene, Total	61				0			0.0303	
33 1,1-Dichloroethane	63		10.248					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		10.254					ND	
36 2-Butanone (MEK)	72		11.238					ND	
37 cis-1,2-Dichloroethene	96	11.265	11.259	0.006	87	1526		0.0303	
38 Ethyl acetate	88		11.307					ND	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	93	316654	10.0	10.0	
40 Tetrahydrofuran	42		11.709					ND	
41 Chloroform	83		11.859					ND	
42 1,1,1-Trichloroethane	97		12.158					ND	
43 Cyclohexane	84		12.286					ND	
44 Carbon tetrachloride	117		12.431					ND	
45 Benzene	78		12.789					ND	7
46 1,2-Dichloroethane	62		12.875					ND	
47 Isooctane	57		12.993					ND	
48 n-Heptane	43		13.303					ND	7
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	95	1524720	10.0	10.0	
50 n-Butanol	56		13.779					ND	
51 Trichloroethene	95		13.966					ND	
A 52 GRO	1	14.261	(6.525-21.996)		0	4816185		0	
53 1,2-Dichloropropane	63		14.432					ND	
54 Methyl methacrylate	69		14.512					ND	
55 1,4-Dioxane	88		14.565					ND	
57 Dibromomethane	174	14.587	14.587	-0.005	92	782		0.0147	M
58 Dichlorobromomethane	83		14.908					ND	
A 60 TVOC as Toluene	1	15.643	(4.268-27.019)		0	4944725		0	
59 cis-1,3-Dichloropropene	75		15.710					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.978					ND	
62 Toluene	92		16.347					ND	
A 63 Toluene Range	1	16.355	(16.277-16.433)		0	8586		NC	
A 65 C8 Range	1	16.572	(16.486-16.657)		0	8870		NC	
64 n-Octane	43		16.577					ND	
66 trans-1,3-Dichloropropene	75		16.770					ND	7
67 1,1,2-Trichloroethane	83		17.149					ND	
68 Tetrachloroethene	166		17.331					ND	7
69 2-Hexanone	43		17.561					ND	
70 Chlorodibromomethane	129		17.888					ND	
71 Ethylene Dibromide	107		18.128					ND	7
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	93	1367959	10.0	10.0	
74 Chlorobenzene	112		19.097					ND	7
75 Ethylbenzene	91		19.284					ND	7
76 m-Xylene & p-Xylene	106		19.541					ND	
77 n-Nonane	57		19.589					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.311					ND	
79 Styrene	104		20.349					ND	7
81 Bromoform	173		20.691					ND	7
82 Isopropylbenzene	105		20.985					ND	
83 1,1,2,2-Tetrachloroethane	83		21.504					ND	7
84 1,2,3-Trichloropropane	75		21.600					ND	
85 N-Propylbenzene	91		21.681					ND	7
86 2-Chlorotoluene	91		21.830					ND	7
87 4-Ethyltoluene	105		21.873					ND	7
88 1,3,5-Trimethylbenzene	105		21.964					ND	MU

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		21.986					ND	
90 Alpha Methyl Styrene	118		22.291					ND	
91 tert-Butylbenzene	119		22.446					ND	7
92 1,2,4-Trimethylbenzene	105		22.531					ND	7
93 sec-Butylbenzene	105		22.761					ND	7
94 1,3-Dichlorobenzene	146	22.949	22.938	0.011	92	1375		0.0108	
95 4-Isopropyltoluene	119		22.970					ND	7
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	89	1452		0.0114	
97 Benzyl chloride	91		23.232					ND	7
98 n-Butylbenzene	91		23.537					ND	7
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	92	1271		0.0103	
100 Undecane	57		23.676					ND	7
101 Dodecane	57		25.297					ND	7
102 1,2,4-Trichlorobenzene	180	26.089	26.084	0.005	81	1645		0.0197	
103 Hexachlorobutadiene	225		26.330					ND	7
104 Naphthalene	128		26.581					ND	7
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	88	1208		0.0155	
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:

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_004.D

Injection Date: 03-Jan-2025 09:37:06

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

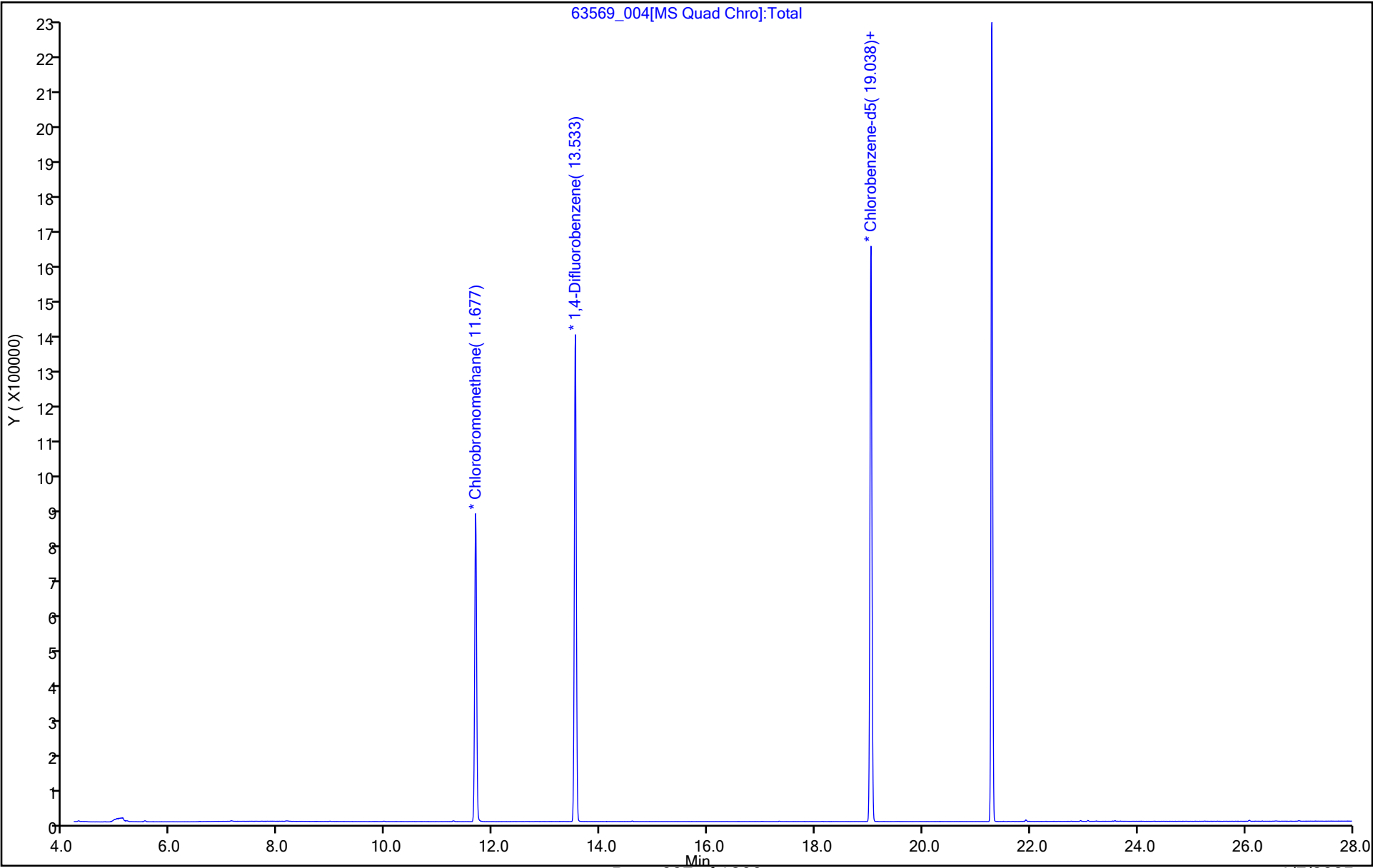
ALS Bottle#: 3

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_004.D

Injection Date: 03-Jan-2025 09:37:06

Instrument ID: CHAM.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AM1

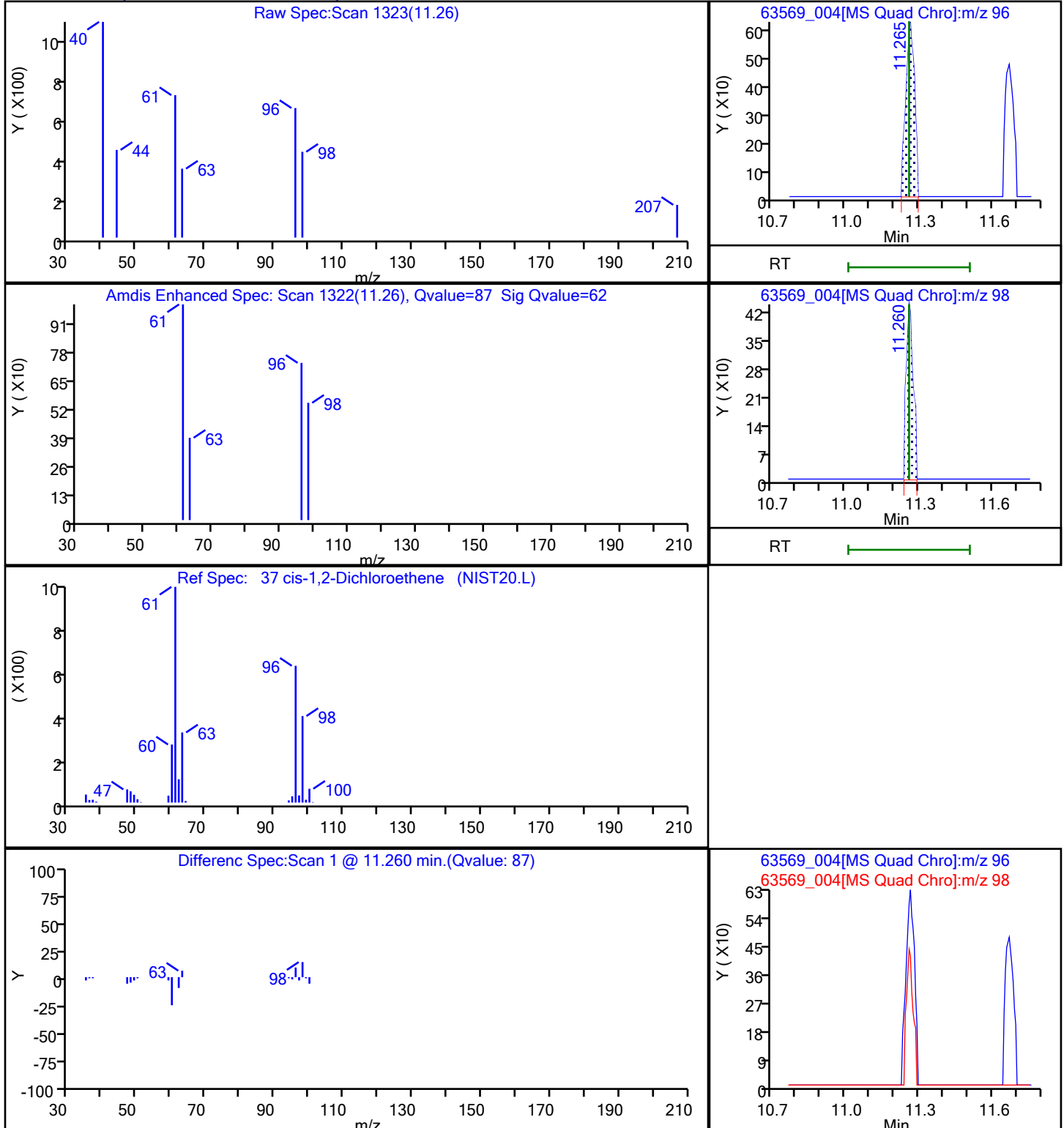
Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_004.D

Injection Date: 03-Jan-2025 09:37:06

Instrument ID: CHAM.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

3

Worklist Smp#: 4

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)

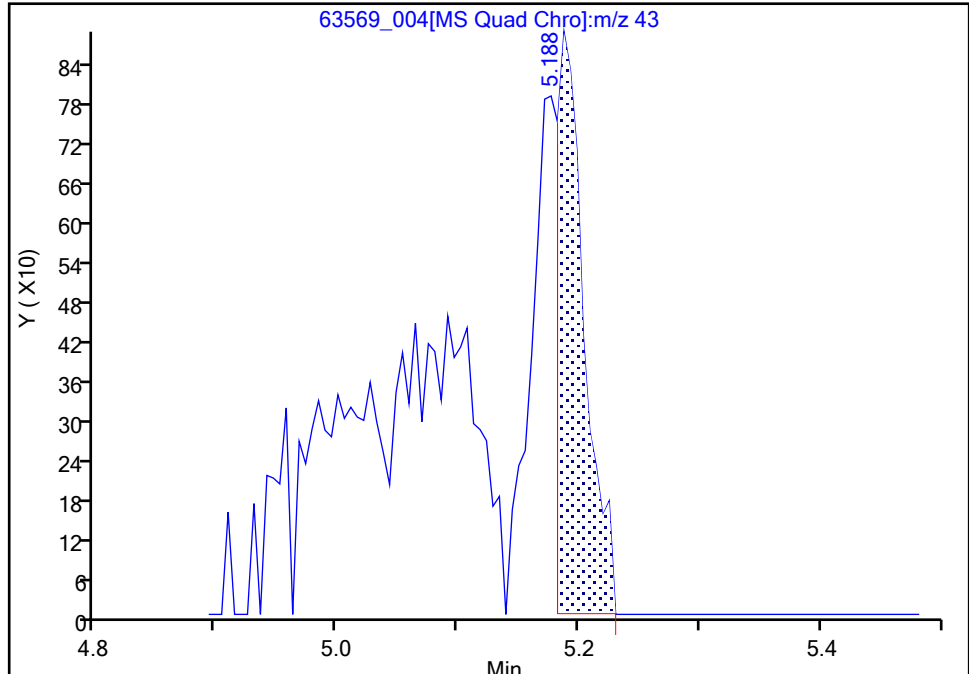
Detector: MS SCAN

7 Butane, CAS: 106-97-8

Signal: 1

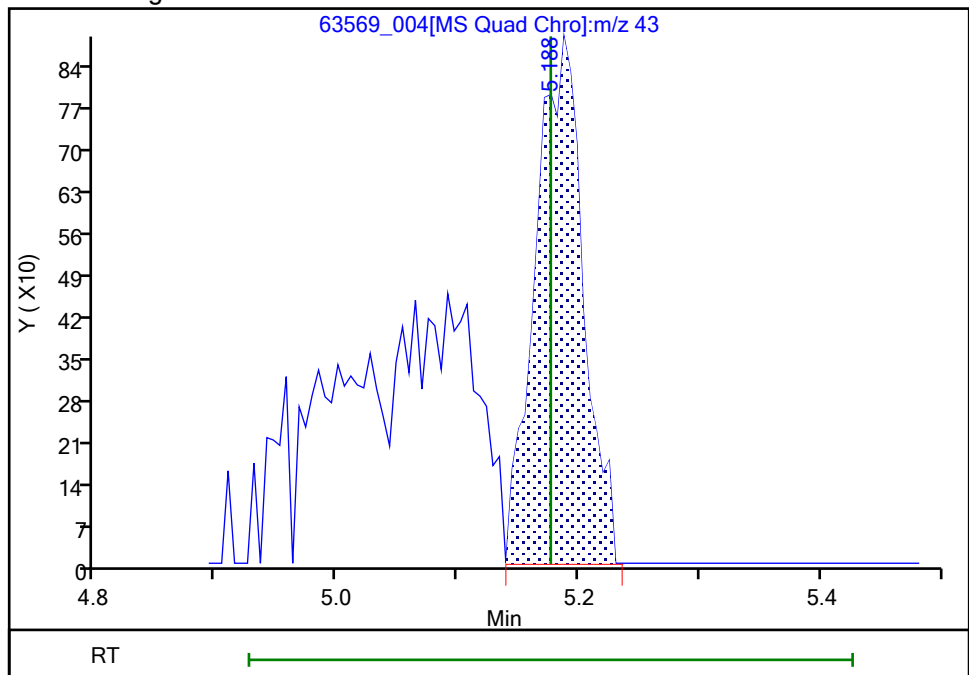
RT: 5.19
Area: 1423
Amount: 0.018177
Amount Units: ppb v/v

Processing Integration Results



RT: 5.19
Area: 2447
Amount: 0.031258
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 09:50:20 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_004.D

Injection Date: 03-Jan-2025 09:37:06

Instrument ID: CHAM.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group:

AI_TO15_ICAL

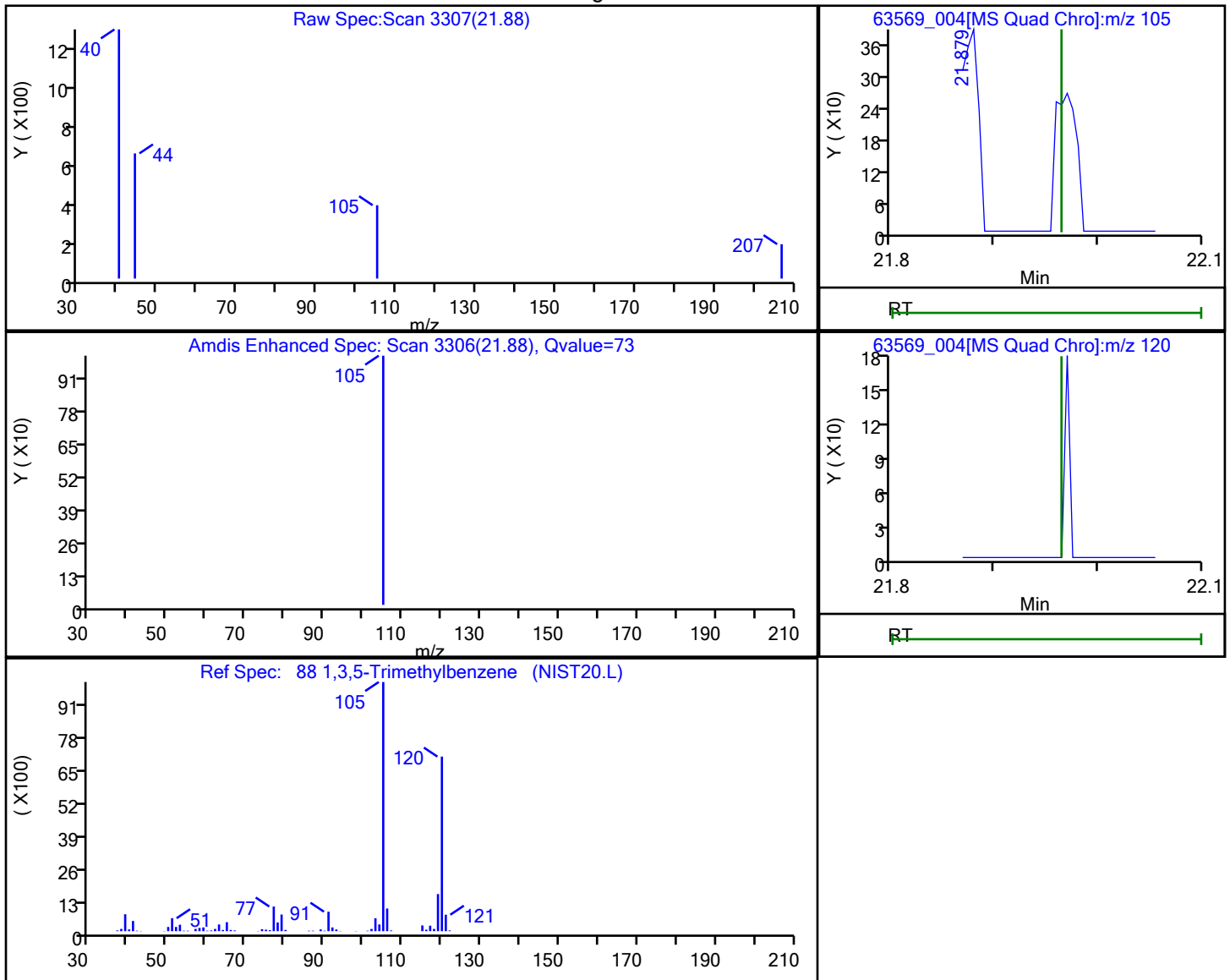
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

88 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
21.88	105.00	474	0.002498
21.96	120.00	0	

Reviewer: F7XK, 06-Jan-2025 09:52:37 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212559/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 11:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

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
64-17-5	Ethanol	46.07	9.4	U	9.4	4.9
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	0.118	J	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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212559/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 11:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14
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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: MB 200-212559/4
Matrix: Air Lab File ID: 63582_004.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/04/2025 11:21
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.: 212559 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212559/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 11:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

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
64-17-5	Ethanol	46.07	5.0	U	5.0	2.6
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	0.0297	J	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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212559/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 11:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022
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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: MB 200-212559/4
Matrix: Air Lab File ID: 63582_004.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/04/2025 11:21
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.: 212559 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_004.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 04-Jan-2025 11:21:49 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063582-004
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 07:01:51 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1671

First Level Reviewer: YWL8

Date: 06-Jan-2025 07:03:19

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		4.273					ND	7
2 Dichlorodifluoromethane	85		4.374					ND	
3 Chlorodifluoromethane	51		4.422					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.749					ND	
5 Chloromethane	50		4.877					ND	7
7 Butane	43		5.177					ND	7
6 Vinyl chloride	62		5.182					ND	
8 Butadiene	54		5.295					ND	
9 Bromomethane	94		6.049					ND	
10 Chloroethane	64		6.327					ND	
12 2-Methylbutane	43		6.536					ND	
13 Vinyl bromide	106		6.755					ND	
14 Trichlorofluoromethane	101		6.921					ND	
15 Pentane	43		7.129					ND	7
16 Ethanol	45		7.333					ND	
18 Ethyl ether	59		7.557					ND	
19 Acrolein	56		7.814					ND	
20 1,1-Dichloroethene	96		8.007					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.044					ND	
22 Acetone	43		8.103					ND	7
23 Isopropyl alcohol	45		8.408					ND	
24 Carbon disulfide	76		8.413					ND	
25 Acetonitrile	41		8.627					ND	
26 3-Chloro-1-propene	41		8.718					ND	7
27 Methylene Chloride	49		8.959					ND	7
28 2-Methyl-2-propanol	59		9.194					ND	
29 Acrylonitrile	53		9.382					ND	
30 trans-1,2-Dichloroethene	61		9.457					ND	
31 Methyl tert-butyl ether	73		9.462					ND	
32 Hexane	57		9.970					ND	7
S 35 1,2-Dichloroethene, Total	61				0			0.0297	
33 1,1-Dichloroethane	63		10.248					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		10.254					ND	
36 2-Butanone (MEK)	72		11.238					ND	
37 cis-1,2-Dichloroethene	96	11.265	11.260	0.005	92	1328		0.0297	
38 Ethyl acetate	88		11.313					ND	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	97	281631	10.0	10.0	
40 Tetrahydrofuran	42		11.709					ND	
41 Chloroform	83		11.859					ND	
42 1,1,1-Trichloroethane	97		12.153					ND	
43 Cyclohexane	84		12.287					ND	
44 Carbon tetrachloride	117		12.431					ND	
45 Benzene	78		12.790					ND	7
46 1,2-Dichloroethane	62		12.870					ND	
47 Isooctane	57		12.993					ND	
48 n-Heptane	43		13.303					ND	7
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1356469	10.0	10.0	
50 n-Butanol	56		13.779					ND	
51 Trichloroethene	95		13.961					ND	
A 52 GRO	1	14.261	(6.526-21.996)		0	4326948		0	
53 1,2-Dichloropropane	63		14.432					ND	
54 Methyl methacrylate	69		14.512					ND	
55 1,4-Dioxane	88		14.560					ND	
57 Dibromomethane	174	14.587	14.592	-0.005	83	679		0.0144	
58 Dichlorobromomethane	83		14.908					ND	
A 60 TVOC as Toluene	1	15.638	(4.263-27.014)		0	4533458		0	
59 cis-1,3-Dichloropropene	75		15.705					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.978					ND	
62 Toluene	92		16.342					ND	
A 63 Toluene Range	1	16.352	(16.272-16.433)		0	20178		NC	
64 n-Octane	43		16.577					ND	
A 65 C8 Range	1	16.593	(16.486-16.700)		0	3571		NC	
66 trans-1,3-Dichloropropene	75		16.770					ND	
67 1,1,2-Trichloroethane	83		17.150					ND	
68 Tetrachloroethene	166		17.331					ND	7
69 2-Hexanone	43		17.562					ND	
70 Chlorodibromomethane	129		17.888					ND	
71 Ethylene Dibromide	107		18.129					ND	7
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	89	1207443	10.0	10.0	
74 Chlorobenzene	112		19.097					ND	7
75 Ethylbenzene	91		19.279					ND	7
76 m-Xylene & p-Xylene	106		19.546					ND	
77 n-Nonane	57		19.589					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.311					ND	
79 Styrene	104		20.349					ND	7
81 Bromoform	173		20.691					ND	7
82 Isopropylbenzene	105		20.980					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.504					ND	7
84 1,2,3-Trichloropropane	75		21.601					ND	
85 N-Propylbenzene	91		21.681					ND	7
86 2-Chlorotoluene	91		21.831					ND	7
87 4-Ethyltoluene	105		21.873					ND	7
88 1,3,5-Trimethylbenzene	105		21.964					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		21.986					ND	
90 Alpha Methyl Styrene	118		22.291					ND	
91 tert-Butylbenzene	119		22.441					ND	
92 1,2,4-Trimethylbenzene	105		22.526					ND	7
93 sec-Butylbenzene	105		22.762					ND	7
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	89	1173		0.0104	
95 4-Isopropyltoluene	119		22.970					ND	7
96 1,4-Dichlorobenzene	146	23.083	23.077	0.006	90	1288		0.0114	
97 Benzyl chloride	91		23.232					ND	7
98 n-Butylbenzene	91		23.537					ND	7
99 1,2-Dichlorobenzene	146		23.580					ND	7
100 Undecane	57		23.676					ND	7
101 Dodecane	57		25.297					ND	7
102 1,2,4-Trichlorobenzene	180	26.089	26.084	0.005	87	1445		0.0197	
103 Hexachlorobutadiene	225		26.324					ND	7
104 Naphthalene	128		26.576					ND	7
105 1,2,3-Trichlorobenzene	180		27.004					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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_004.D

Injection Date: 04-Jan-2025 11:21:49

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

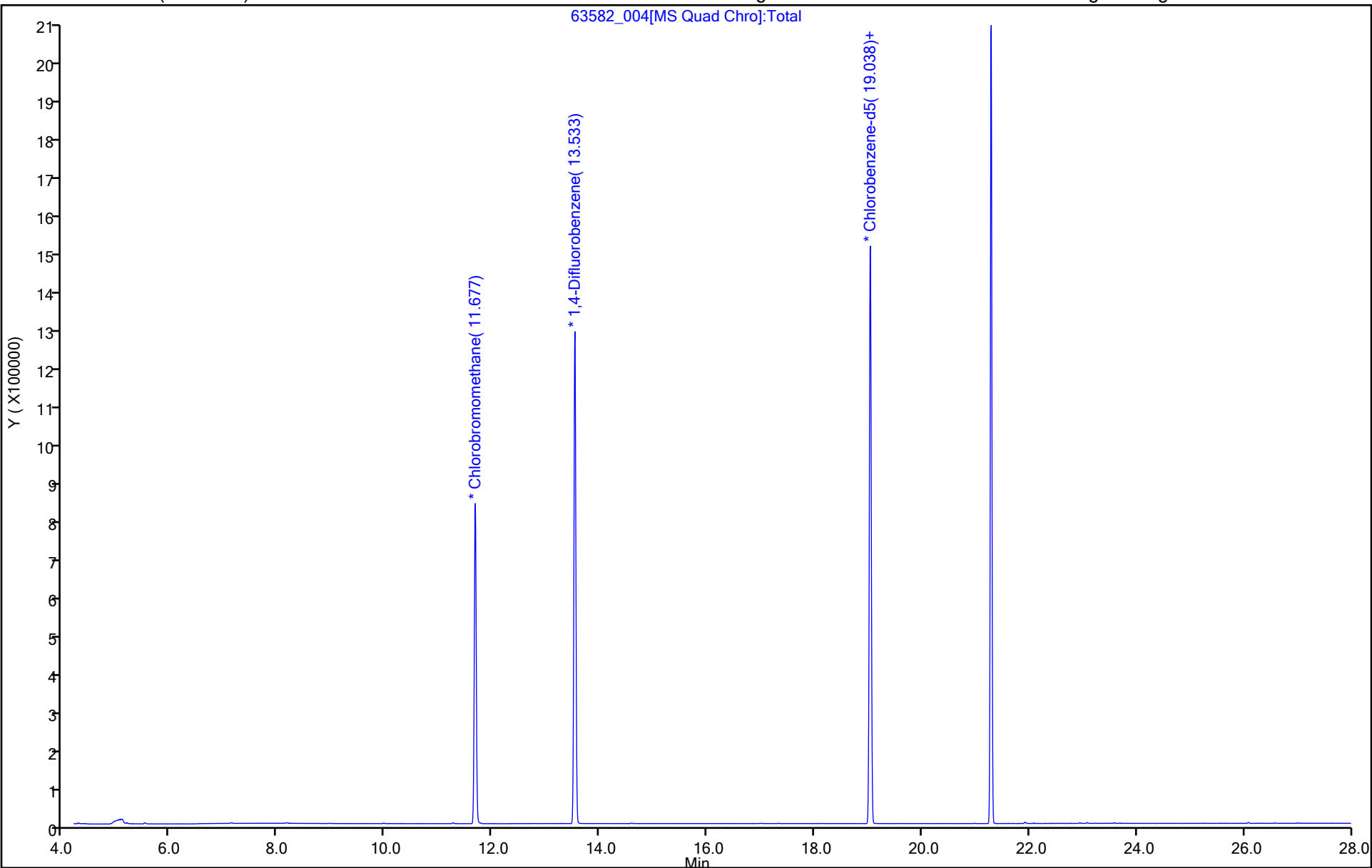
ALS Bottle#: 3

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_004.D

Injection Date: 04-Jan-2025 11:21:49

Instrument ID: CHAM.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#: 3

Worklist Smp#: 4

Purge Vol: 200.000 mL

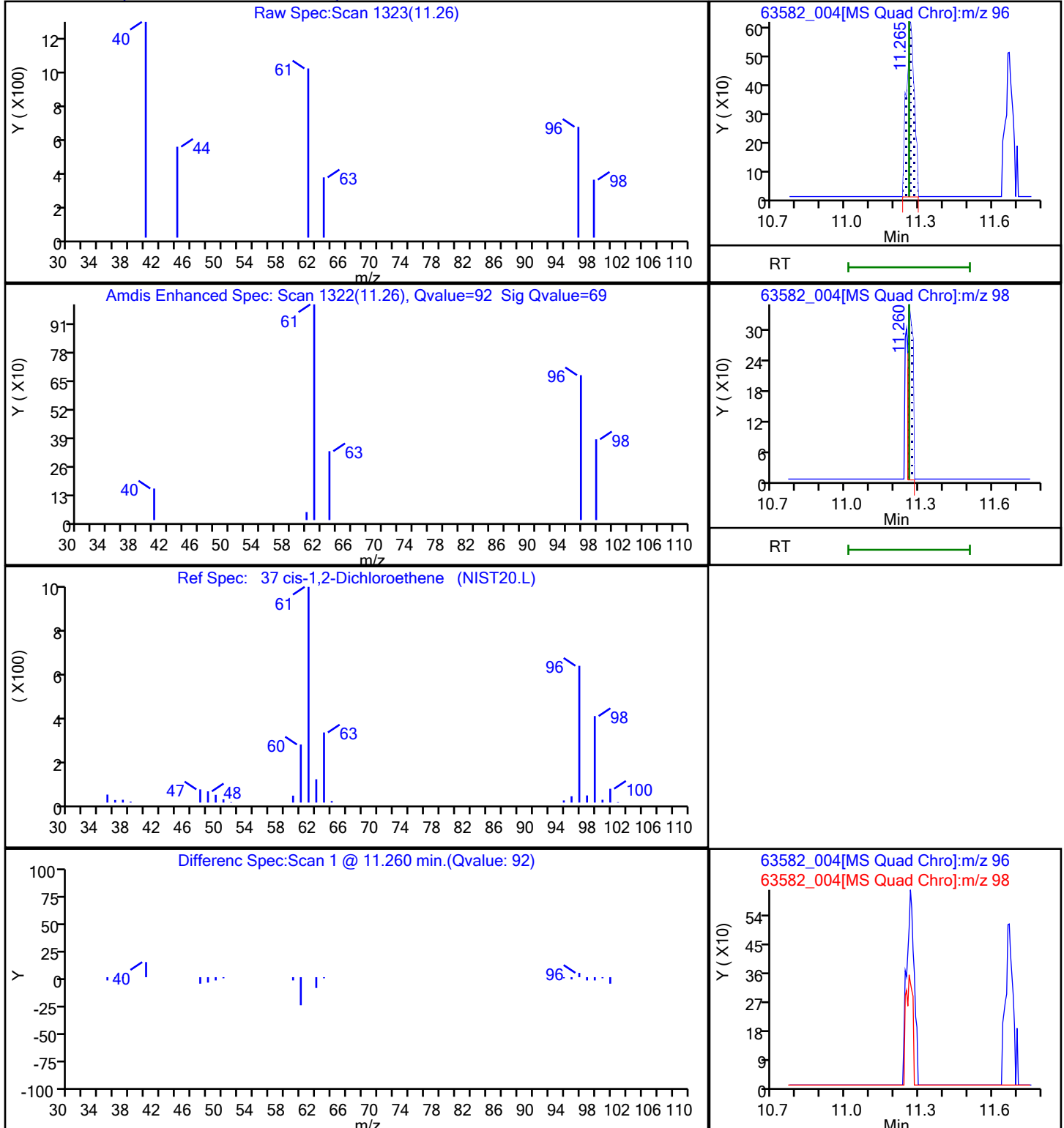
Dil. Factor: 1.0000

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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212564/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 10:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

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
64-17-5	Ethanol	46.07	9.4	U	9.4	4.9
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212564/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 10:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14
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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: MB 200-212564/5
Matrix: Air Lab File ID: 63588_005.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/06/2025 10:54
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.: 212564 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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	2.6	U	2.6	1.6

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212564/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 10:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

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
64-17-5	Ethanol	46.07	5.0	U	5.0	2.6
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212564/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 10:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022
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

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: MB 200-212564/5
Matrix: Air Lab File ID: 63588_005.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/06/2025 10:54
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.: 212564 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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	0.50	U	0.50	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_005.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Jan-2025 10:54:00 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063588-005
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 07-Jan-2025 10:09:02 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1672

First Level Reviewer: YWL8

Date: 07-Jan-2025 10:21:52

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		4.353					ND	7
2 Dichlorodifluoromethane	85		4.449					ND	
3 Chlorodifluoromethane	51		4.492					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.813					ND	
5 Chloromethane	50		4.931					ND	7
6 Vinyl chloride	62		5.225					ND	
7 Butane	43		5.230					ND	7
8 Butadiene	54		5.337					ND	
9 Bromomethane	94		6.065					ND	
10 Chloroethane	64		6.332					ND	
12 2-Methylbutane	43		6.546					ND	
13 Vinyl bromide	106		6.750					ND	
14 Trichlorofluoromethane	101		6.921					ND	
15 Pentane	43		7.124					ND	
16 Ethanol	45		7.269					ND	
18 Ethyl ether	59		7.531					ND	
19 Acrolein	56		7.755					ND	
20 1,1-Dichloroethene	96		7.969					ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.012					ND	
22 Acetone	43		8.028					ND	
23 Isopropyl alcohol	45		8.317					ND	7
24 Carbon disulfide	76		8.376					ND	7
25 Acetonitrile	41		8.526					ND	7
26 3-Chloro-1-propene	41		8.659					ND	7
27 Methylene Chloride	49		8.884					ND	7
28 2-Methyl-2-propanol	59		9.082					ND	
29 Acrylonitrile	53		9.269					ND	
30 trans-1,2-Dichloroethene	61		9.387					ND	
31 Methyl tert-butyl ether	73		9.392					ND	7
32 Hexane	57		9.906					ND	
33 1,1-Dichloroethane	63		10.147					ND	
34 Vinyl acetate	43		10.152					ND	

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		11.099					ND	
37 cis-1,2-Dichloroethene	96		11.136					ND	7
38 Ethyl acetate	88		11.190					ND	
* 39 Chlorobromomethane	128	11.543	11.543	0.000	89	414977	10.0	10.0	
40 Tetrahydrofuran	42		11.586					ND	
41 Chloroform	83		11.720					ND	
42 1,1,1-Trichloroethane	97		12.035					ND	
43 Cyclohexane	84		12.185					ND	
44 Carbon tetrachloride	117		12.319					ND	
45 Benzene	78		12.656					ND	7
46 1,2-Dichloroethane	62		12.720					ND	
47 Isooctane	57		12.886					ND	
48 n-Heptane	43		13.191					ND	7
* 49 1,4-Difluorobenzene	114	13.384	13.383	0.001	98	2289700	10.0	10.0	
50 n-Butanol	56		13.592					ND	7
51 Trichloroethene	95		13.822					ND	
A 52 GRO	1	14.210	(6.536-21.883)		0	7672711		0	
53 1,2-Dichloropropane	63		14.271					ND	
54 Methyl methacrylate	69		14.357					ND	
55 1,4-Dioxane	88		14.394					ND	
57 Dibromomethane	174		14.421					ND	7
58 Dichlorobromomethane	83		14.731					ND	
59 cis-1,3-Dichloropropene	75		15.534					ND	
A 60 TVOC as Toluene	1	15.563	(4.343-26.784)		0	7933483		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.796					ND	
62 Toluene	92		16.181					ND	7
A 63 Toluene Range	1	16.197	(16.117-16.278)		0	2434		NC	
64 n-Octane	43		16.443					ND	
A 65 C8 Range	1		(16.374-16.524)					ND	
66 trans-1,3-Dichloropropene	75		16.583					ND	
67 1,1,2-Trichloroethane	83		16.957					ND	
68 Tetrachloroethene	166		17.182					ND	
69 2-Hexanone	43		17.369					ND	
70 Chlorodibromomethane	129		17.695					ND	
71 Ethylene Dibromide	107		17.936					ND	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	94	1974161	10.0	10.0	
74 Chlorobenzene	112		18.915					ND	
75 Ethylbenzene	91		19.108					ND	
76 m-Xylene & p-Xylene	106		19.370					ND	
77 n-Nonane	57		19.445					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.140					ND	
79 Styrene	104		20.172					ND	
81 Bromoform	173		20.509					ND	
82 Isopropylbenzene	105		20.830					ND	
83 1,1,2,2-Tetrachloroethane	83		21.328					ND	7
84 1,2,3-Trichloropropane	75		21.429					ND	
85 N-Propylbenzene	91		21.542					ND	
86 2-Chlorotoluene	91		21.686					ND	
87 4-Ethyltoluene	105		21.740					ND	7
88 1,3,5-Trimethylbenzene	105		21.831					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		21.873					ND	
90 Alpha Methyl Styrene	118		22.157					ND	
91 tert-Butylbenzene	119		22.312					ND	
92 1,2,4-Trimethylbenzene	105		22.398					ND	7
93 sec-Butylbenzene	105		22.638					ND	7
94 1,3-Dichlorobenzene	146		22.804					ND	7
95 4-Isopropyltoluene	119		22.847					ND	7
96 1,4-Dichlorobenzene	146		22.943					ND	7
97 Benzyl chloride	91		23.088					ND	
98 n-Butylbenzene	91		23.403					ND	7
99 1,2-Dichlorobenzene	146		23.436					ND	7
100 Undecane	57		23.559					ND	7
101 Dodecane	57		25.148					ND	
102 1,2,4-Trichlorobenzene	180		25.880					ND	7
103 Hexachlorobutadiene	225		26.137					ND	
104 Naphthalene	128		26.357					ND	7
105 1,2,3-Trichlorobenzene	180		26.774					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:

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_005.D

Injection Date: 06-Jan-2025 10:54:00

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

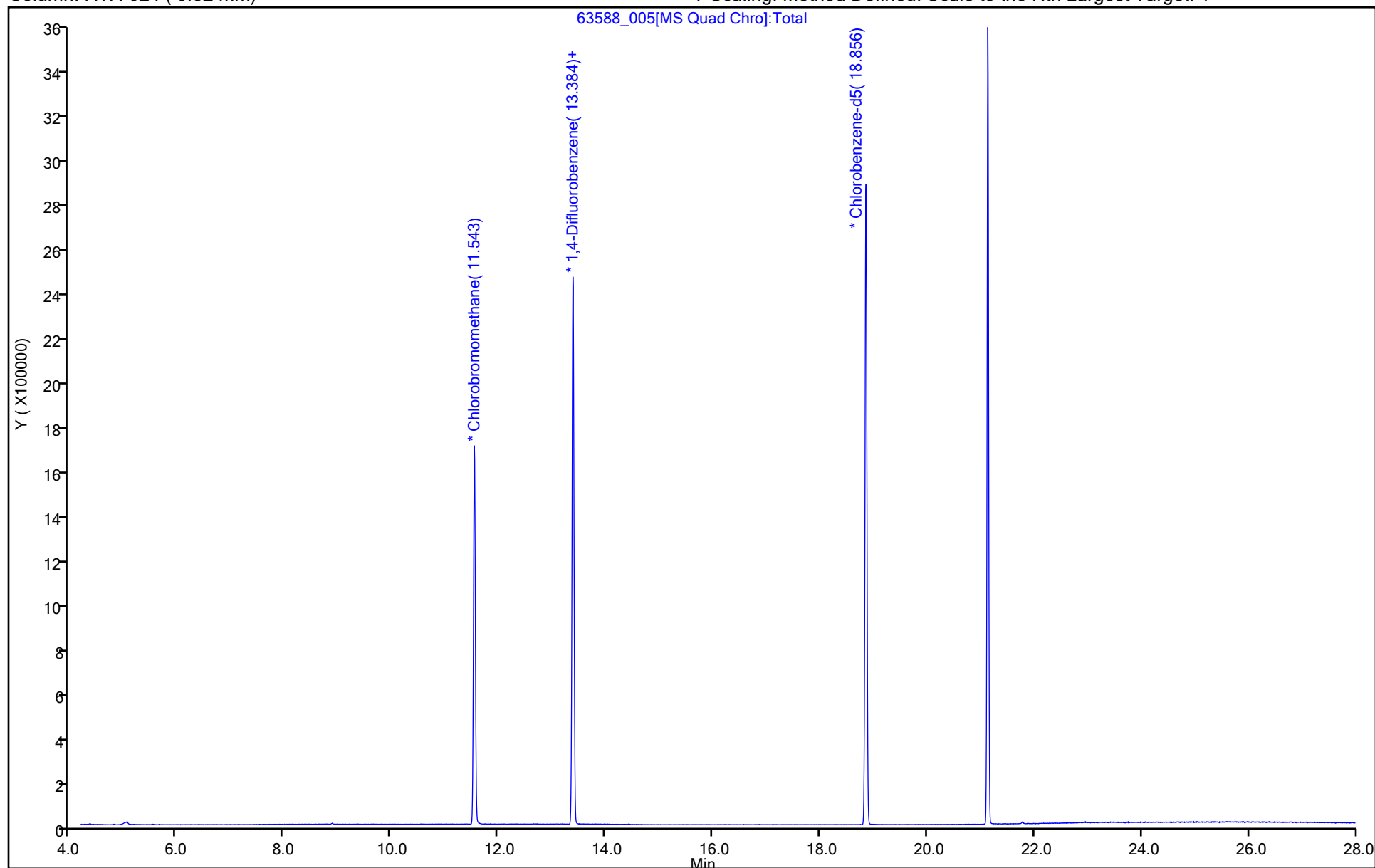
ALS Bottle#: 5

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.: 200-76392-1

SDG No.: 200-76392-1

Client Sample ID: _____ Lab Sample ID: LCS 200-212533/3

Matrix: Air Lab File ID: 63568_003.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 08:49

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.: 212533 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	50.0		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	38.4		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	62.6		1.4	0.34
74-87-3	Chloromethane	50.49	22.4		1.0	0.31
106-97-8	n-Butane	58.12	29.4		1.2	0.48
75-01-4	Vinyl chloride	62.50	25.3		0.20	0.054
106-99-0	1,3-Butadiene	54.09	23.0		0.44	0.086
74-83-9	Bromomethane	94.94	36.0		0.78	0.28
75-00-3	Chloroethane	64.52	27.0		1.3	0.47
593-60-2	Bromoethene (Vinyl Bromide)	106.96	40.8		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	55.3		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	72.8		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	34.9		0.20	0.10
64-17-5	Ethanol	46.07	31.5		9.4	4.9
67-64-1	Acetone	58.08	26.4		12	3.8
67-63-0	Isopropyl alcohol	60.10	32.9		12	3.9
75-15-0	Carbon disulfide	76.14	31.0		1.6	0.40
107-05-1	3-Chloropropene	76.53	35.8		1.6	0.38
75-09-2	Methylene Chloride	84.93	37.4		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	33.1		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	36.6		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	40.3		0.79	0.091
110-54-3	n-Hexane	86.17	36.5		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	41.1		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	37.0		0.20	0.083
67-66-3	Chloroform	119.38	49.1		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	33.1		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	54.1		1.1	0.24
110-82-7	Cyclohexane	84.16	33.3		0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-212533/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_003.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 08:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	62.2		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	48.7		0.93	0.18
71-43-2	Benzene	78.11	31.4		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	42.8		0.81	0.38
142-82-5	n-Heptane	100.21	44.5		0.82	0.23
79-01-6	Trichloroethene	131.39	51.7		0.20	0.13
80-62-6	Methyl methacrylate	100.12	43.3		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	47.3		0.92	0.43
123-91-1	1,4-Dioxane	88.11	38.1		18	0.30
75-27-4	Bromodichloromethane	163.83	68.4		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	46.3		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	47.2		2.0	0.53
108-88-3	Toluene	92.14	35.3		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	46.8		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	52.3		1.1	0.40
127-18-4	Tetrachloroethene	165.83	59.6		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	46.8		2.0	0.61
124-48-1	Dibromochloromethane	208.28	79.9		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	71.3		1.5	0.32
108-90-7	Chlorobenzene	112.56	42.7		0.92	0.20
100-41-4	Ethylbenzene	106.17	41.9		0.87	0.30
179601-23-1	m,p-Xylene	106.17	82.2		2.2	0.41
95-47-6	o-Xylene	106.17	40.8		0.87	0.27
100-42-5	Styrene	104.15	41.4		0.85	0.25
75-25-2	Bromoform	252.75	94.4		2.1	1.2
98-82-8	Cumene	120.19	46.7		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	67.6		1.4	0.30
103-65-1	n-Propylbenzene	120.19	49.1		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	48.2		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	47.1		0.98	0.23

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-212533/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63568_003.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 08:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212533</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	50.1		1.0	0.24
98-06-6	tert-Butylbenzene	134.22	51.2		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	47.5		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	53.1		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	52.3		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	56.4		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	56.5		1.2	0.54
100-44-7	Benzyl chloride	126.58	54.8		1.0	0.46
104-51-8	n-Butylbenzene	134.22	57.0		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	56.0		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	78.4		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	101		2.1	1.2
91-20-3	Naphthalene	128.17	62.9		2.6	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_003.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-Jan-2025 08:49:44 ALS Bottle#: 4 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063568-003
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jan-2025 20:18:40 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1603

First Level Reviewer: YWL8

Date: 05-Jan-2025 20:19:18

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	4.353	4.353	0.000	98	719001	10.0	11.2	
2 Dichlorodifluoromethane	85	4.449	4.449	0.000	99	1347302	10.0	10.1	
3 Chlorodifluoromethane	51	4.492	4.492	0.000	97	1137471	10.0	10.9	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	95	1282573	10.0	8.96	
5 Chloromethane	50	4.931	4.931	0.000	99	685796	10.0	10.8	
6 Vinyl chloride	62	5.225	5.225	0.000	100	587521	10.0	9.89	
7 Butane	43	5.230	5.230	0.000	98	1201537	10.0	12.4	
8 Butadiene	54	5.337	5.343	-0.006	95	489828	10.0	10.4	
11 BFB									
9 Bromomethane	94	6.065	6.065	0.000	98	415473	10.0	9.28	
10 Chloroethane	64	6.333	6.333	0.001	99	312146	10.0	10.2	
12 2-Methylbutane	43	6.547	6.552	-0.006	95	906177	10.0	10.7	
13 Vinyl bromide	106	6.755	6.755	0.000	98	376545	10.0	9.32	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	97	1141358	10.0	9.85	
15 Pentane	43	7.124	7.124	0.000	97	1355333	10.0	11.1	
16 Ethanol	45	7.274	7.269	0.005	98	518531	15.0	16.7	
18 Ethyl ether	59	7.531	7.531	0.000	97	429636	10.0	10.4	
19 Acrolein	56	7.761	7.761	0.000	97	278945	10.0	12.9	
20 1,1-Dichloroethene	96	7.975	7.975	0.000	90	448369	10.0	8.81	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.018	8.018	0.000	89	921939	10.0	9.50	
22 Acetone	43	8.034	8.034	0.000	99	1111390	10.0	11.1	
23 Isopropyl alcohol	45	8.323	8.323	0.000	100	1342600	10.0	13.4	
24 Carbon disulfide	76	8.376	8.376	0.000	100	1520924	10.0	9.96	
25 Acetonitrile	41	8.526	8.526	0.000	98	599988	10.0	11.0	
26 3-Chloro-1-propene	41	8.660	8.660	0.000	93	969989	10.0	11.4	
27 Methylene Chloride	49	8.890	8.884	0.006	95	801732	10.0	10.8	
28 2-Methyl-2-propanol	59	9.088	9.088	0.000	98	1290704	10.0	10.9	
29 Acrylonitrile	53	9.270	9.270	0.000	93	470636	10.0	10.5	
30 trans-1,2-Dichloroethene	61	9.387	9.387	0.000	91	868628	10.0	10.2	
31 Methyl tert-butyl ether	73	9.398	9.393	0.005	97	1533832	10.0	10.2	
32 Hexane	57	9.906	9.906	0.000	95	974422	10.0	10.4	
33 1,1-Dichloroethane	63	10.147	10.147	0.000	99	1112698	10.0	10.2	

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	10.152	10.152	0.000	100	1918229	10.0	13.0	
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.5	
36 2-Butanone (MEK)	72	11.105	11.105	0.001	99	285283	10.0	10.1	
37 cis-1,2-Dichloroethene	96	11.137	11.137	0.000	98	516358	10.0	9.32	
38 Ethyl acetate	88	11.195	11.195	0.000	98	43479	10.0	9.96	
* 39 Chlorobromomethane	128	11.549	11.543	0.006	92	364661	10.0	10.0	
40 Tetrahydrofuran	42	11.591	11.591	0.000	94	885507	10.0	11.2	
41 Chloroform	83	11.725	11.725	0.000	96	1128062	10.0	10.0	
42 1,1,1-Trichloroethane	97	12.035	12.041	-0.006	96	1052223	10.0	9.91	
43 Cyclohexane	84	12.185	12.185	0.000	92	669688	10.0	9.67	
44 Carbon tetrachloride	117	12.319	12.319	0.000	95	990371	10.0	9.89	
45 Benzene	78	12.661	12.661	0.000	98	1675368	10.0	9.82	
46 1,2-Dichloroethane	62	12.726	12.725	0.001	93	854301	10.0	10.6	
47 Isooctane	57	12.891	12.891	0.000	97	3191000	10.0	10.4	
48 n-Heptane	43	13.196	13.196	0.000	98	1395178	10.0	10.9	
* 49 1,4-Difluorobenzene	114	13.389	13.389	0.000	98	1815030	10.0	10.0	
50 n-Butanol	56	13.592	13.592	0.000	96	504633	10.0	11.2	
51 Trichloroethene	95	13.822	13.822	0.000	89	677812	10.0	9.62	
A 52 GRO	1	14.213	(6.542-21.884)		0	271218505	649.9	0	
53 1,2-Dichloropropane	63	14.272	14.272	0.000	73	751467	10.0	10.2	
54 Methyl methacrylate	69	14.363	14.363	0.000	89	662988	10.0	10.6	
55 1,4-Dioxane	88	14.400	14.400	0.000	96	339123	10.0	10.6	
57 Dibromomethane	174	14.427	14.427	0.000	85	457373	10.0	8.96	
58 Dichlorobromomethane	83	14.737	14.737	0.000	97	1271504	10.0	10.2	
59 cis-1,3-Dichloropropene	75	15.539	15.539	0.000	99	1160510	10.0	10.2	
A 60 TVOC as Toluene	1	15.566	(4.343-26.789)		0	404264823	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.796	15.796	0.000	95	1882598	10.0	11.5	
62 Toluene	92	16.187	16.187	0.000	92	1106089	10.0	9.37	
A 63 Toluene Range	1	16.195	(16.117-16.272)		0	5000043	NC	NC	
64 n-Octane	43	16.449	16.449	0.000	99	2014895	10.0	11.0	
A 65 C8 Range	1	16.460	(16.379-16.540)		0	6629641	NC	NC	
66 trans-1,3-Dichloropropene	75	16.588	16.588	0.000	96	933163	10.0	10.3	
67 1,1,2-Trichloroethane	83	16.963	16.963	0.000	94	624954	10.0	9.59	
68 Tetrachloroethene	166	17.182	17.182	0.000	88	670979	10.0	8.78	
69 2-Hexanone	43	17.369	17.369	0.000	90	1802490	10.0	11.4	
70 Chlorodibromomethane	129	17.701	17.701	0.000	95	1022158	10.0	9.38	
71 Ethylene Dibromide	107	17.942	17.942	0.000	97	971319	10.0	9.28	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	94	1658000	10.0	10.0	
74 Chlorobenzene	112	18.915	18.915	0.000	87	1365211	10.0	9.27	
75 Ethylbenzene	91	19.113	19.113	0.000	100	2554300	10.0	9.65	
76 m-Xylene & p-Xylene	106	19.375	19.375	0.000	0	1783126	20.0	18.9	
77 n-Nonane	57	19.450	19.445	0.005	96	1620714	10.0	10.2	
S 80 Xylenes, Total	106				0		30.0	28.3	
78 o-Xylene	106	20.146	20.146	0.000	97	866881	10.0	9.40	
79 Styrene	104	20.178	20.178	0.000	96	1449988	10.0	9.71	
81 Bromoform	173	20.515	20.509	0.006	90	869748	10.0	9.13	
82 Isopropylbenzene	105	20.836	20.836	0.000	98	2645561	10.0	9.49	
83 1,1,2,2-Tetrachloroethane	83	21.333	21.333	0.000	97	1723093	10.0	9.85	
84 1,2,3-Trichloropropane	75	21.435	21.435	0.000	96	1354428	10.0	10.0	
85 N-Propylbenzene	91	21.547	21.547	0.000	97	3569585	10.0	9.98	
86 2-Chlorotoluene	91	21.692	21.692	0.000	97	2132210	10.0	9.67	
87 4-Ethyltoluene	105	21.740	21.740	0.000	98	2602198	10.0	9.79	

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	21.836	21.836	0.000	91	2160615	10.0	9.59	
89 n-Decane	57	21.874	21.874	0.000	85	2132585	10.0	10.5	
90 Alpha Methyl Styrene	118	22.157	22.157	0.000	81	1104141	10.0	10.0	
91 tert-Butylbenzene	119	22.318	22.318	0.000	87	1969910	10.0	9.33	
92 1,2,4-Trimethylbenzene	105	22.403	22.403	0.000	99	2197976	10.0	9.66	
93 sec-Butylbenzene	105	22.639	22.639	0.000	98	3333586	10.0	9.67	
94 1,3-Dichlorobenzene	146	22.810	22.804	0.006	96	1301141	10.0	9.38	
95 4-Isopropyltoluene	119	22.853	22.853	0.000	96	2594481	10.0	9.53	
96 1,4-Dichlorobenzene	146	22.949	22.949	0.000	88	1292054	10.0	9.39	
97 Benzyl chloride	91	23.088	23.088	0.000	96	2342144	10.0	10.6	
98 n-Butylbenzene	91	23.409	23.409	0.000	97	3130003	10.0	10.4	
99 1,2-Dichlorobenzene	146	23.436	23.436	0.000	91	1265892	10.0	9.31	
100 Undecane	57	23.564	23.564	0.000	93	2361792	10.0	10.1	
101 Dodecane	57	25.153	25.153	0.000	91	1892909	10.0	8.45	
102 1,2,4-Trichlorobenzene	180	25.886	25.886	0.000	91	941896	10.0	10.6	
103 Hexachlorobutadiene	225	26.143	26.137	0.006	90	748723	10.0	9.46	
104 Naphthalene	128	26.362	26.362	0.000	97	2508780	10.0	12.0	
105 1,2,3-Trichlorobenzene	180	26.779	26.779	0.000	91	875558	10.0	9.66	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00882

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250103-63568.b\63568_003.D

Injection Date: 03-Jan-2025 08:49:44

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

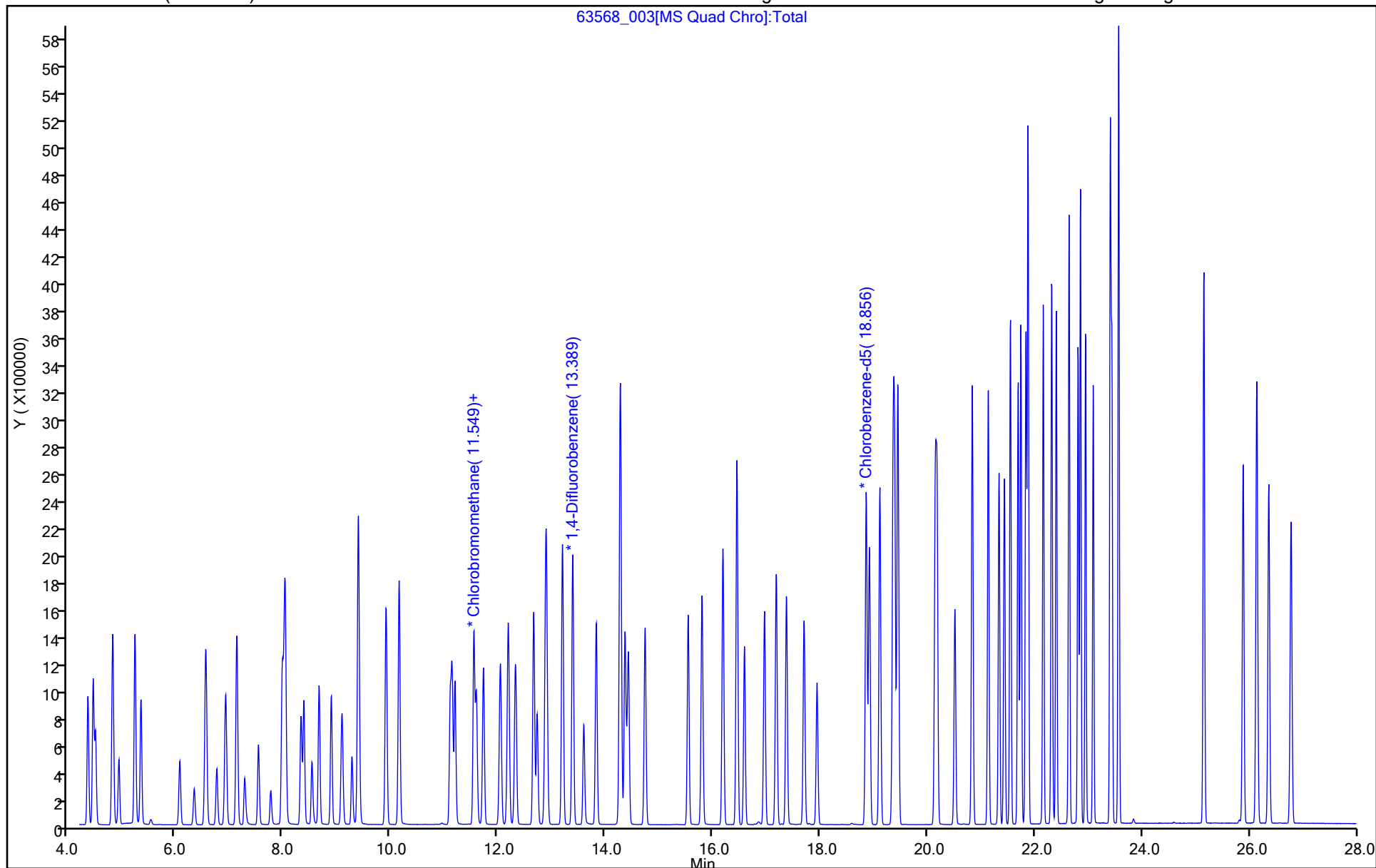
ALS Bottle#: 4

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-212534/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_003.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 08:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	56.5		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	39.8		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	81.4		1.4	0.34
74-87-3	Chloromethane	50.49	23.3		1.0	0.31
106-97-8	n-Butane	58.12	18.8		1.2	0.48
75-01-4	Vinyl chloride	62.50	19.6		0.20	0.054
106-99-0	1,3-Butadiene	54.09	15.7		0.44	0.086
74-83-9	Bromomethane	94.94	43.9		0.78	0.28
75-00-3	Chloroethane	64.52	28.8		1.3	0.47
593-60-2	Bromoethene (Vinyl Bromide)	106.96	49.6		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	58.7		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	72.6		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	39.3		0.20	0.10
64-17-5	Ethanol	46.07	26.0		9.4	4.9
67-64-1	Acetone	58.08	19.8		12	3.8
67-63-0	Isopropyl alcohol	60.10	23.1		12	3.9
75-15-0	Carbon disulfide	76.14	28.7		1.6	0.40
107-05-1	3-Chloropropene	76.53	20.8		1.6	0.38
75-09-2	Methylene Chloride	84.93	29.1		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	26.0		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	33.4		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	35.5		0.79	0.091
110-54-3	n-Hexane	86.17	31.8		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	34.8		0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	25.5		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	36.7		0.20	0.083
67-66-3	Chloroform	119.38	43.2		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	24.4		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	50.2		1.1	0.24
110-82-7	Cyclohexane	84.16	32.8		0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-212534/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_003.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/03/2025 08:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	59.8		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	43.1		0.93	0.18
71-43-2	Benzene	78.11	29.6		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	34.3		0.81	0.38
142-82-5	n-Heptane	100.21	36.9		0.82	0.23
79-01-6	Trichloroethene	131.39	50.7		0.20	0.13
80-62-6	Methyl methacrylate	100.12	36.8		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	41.1		0.92	0.43
123-91-1	1,4-Dioxane	88.11	29.1		18	0.30
75-27-4	Bromodichloromethane	163.83	59.9		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	42.2		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	35.8		2.0	0.53
108-88-3	Toluene	92.14	36.7		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	44.6		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	50.7		1.1	0.40
127-18-4	Tetrachloroethene	165.83	71.8		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	36.3		2.0	0.61
124-48-1	Dibromochloromethane	208.28	77.2		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	72.8		1.5	0.32
108-90-7	Chlorobenzene	112.56	44.5		0.92	0.20
100-41-4	Ethylbenzene	106.17	41.7		0.87	0.30
179601-23-1	m,p-Xylene	106.17	86.2		2.2	0.41
95-47-6	o-Xylene	106.17	44.2		0.87	0.27
100-42-5	Styrene	104.15	43.2		0.85	0.25
75-25-2	Bromoform	252.75	82.7		2.1	1.2
98-82-8	Cumene	120.19	49.7		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	61.9		1.4	0.30
103-65-1	n-Propylbenzene	120.19	47.9		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	49.9		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	48.9		0.98	0.23

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: LCS 200-212534/3
Matrix: Air Lab File ID: 63569_003.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/03/2025 08:45
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.: 212534 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	48.6		1.0	0.24
98-06-6	tert-Butylbenzene	134.22	55.8		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	49.4		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	55.2		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	55.6		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	60.2		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	60.2		1.2	0.54
100-44-7	Benzyl chloride	126.58	48.8		1.0	0.46
104-51-8	n-Butylbenzene	134.22	53.6		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	59.5		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	81.5		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	127		2.1	1.2
91-20-3	Naphthalene	128.17	55.7		2.6	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_003.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-Jan-2025 08:45:51 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063569-003
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 09:49:17 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: F7XK

Date: 06-Jan-2025 09:49:17

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	4.273	4.278	-0.006	99	327339	10.0	13.0	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	1184437	10.0	11.4	
3 Chlorodifluoromethane	51	4.428	4.428	0.000	97	675268	10.0	11.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.749	4.749	0.000	96	1270848	10.0	11.6	
5 Chloromethane	50	4.872	4.877	-0.005	99	401427	10.0	11.3	
7 Butane	43	5.177	5.177	0.000	98	645159	10.0	7.89	
6 Vinyl chloride	62	5.177	5.182	-0.005	81	464973	10.0	7.66	
8 Butadiene	54	5.294	5.294	0.000	92	342668	10.0	7.11	
11 BFB									
9 Bromomethane	94	6.049	6.049	0.000	99	460322	10.0	11.3	
10 Chloroethane	64	6.327	6.327	0.000	99	263105	10.0	10.9	
12 2-Methylbutane	43	6.535	6.535	0.000	93	530124	10.0	11.0	
13 Vinyl bromide	106	6.760	6.760	0.000	99	450926	10.0	11.3	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	99	1133703	10.0	10.4	
15 Pentane	43	7.129	7.129	0.000	96	788270	10.0	10.1	
16 Ethanol	45	7.327	7.333	-0.006	98	299117	15.0	13.8	
18 Ethyl ether	59	7.557	7.557	0.000	92	336055	10.0	10.2	
19 Acrolein	56	7.814	7.814	0.000	95	193988	10.0	10.5	
20 1,1-Dichloroethene	96	8.007	8.007	0.000	96	460426	10.0	9.92	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.044	8.044	0.000	97	952541	10.0	9.47	
22 Acetone	43	8.098	8.103	-0.005	97	635863	10.0	8.35	
23 Isopropyl alcohol	45	8.408	8.408	0.000	100	725758	10.0	9.41	
24 Carbon disulfide	76	8.413	8.413	0.000	99	1374514	10.0	9.23	
25 Acetonitrile	41	8.627	8.627	0.000	100	306483	10.0	7.82	
26 3-Chloro-1-propene	41	8.724	8.718	0.006	95	447483	10.0	6.65	
27 Methylene Chloride	49	8.964	8.964	0.000	96	524616	10.0	8.37	
28 2-Methyl-2-propanol	59	9.189	9.194	-0.005	100	857210	10.0	8.57	
29 Acrylonitrile	53	9.382	9.382	0.000	95	330866	10.0	8.30	M
30 trans-1,2-Dichloroethene	61	9.462	9.456	0.006	97	685095	10.0	8.95	
31 Methyl tert-butyl ether	73	9.462	9.462	0.000	97	1256431	10.0	9.27	
32 Hexane	57	9.970	9.970	0.000	92	727065	10.0	9.02	
S 35 1,2-Dichloroethene, Total	61				0		20.0	18.2	

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	10.248	10.248	0.000	99	837198	10.0	8.59	
34 Vinyl acetate	43	10.254	10.254	0.000	100	1021390	10.0	9.35	
36 2-Butanone (MEK)	72	11.238	11.238	0.000	99	230101	10.0	8.63	
37 cis-1,2-Dichloroethene	96	11.259	11.259	0.000	94	486181	10.0	9.25	
38 Ethyl acetate	88	11.313	11.307	0.006	100	41980	10.0	9.69	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	94	330700	10.0	10.0	
40 Tetrahydrofuran	42	11.709	11.709	0.000	93	501886	10.0	8.26	
41 Chloroform	83	11.858	11.859	0.000	96	967102	10.0	8.85	
42 1,1,1-Trichloroethane	97	12.158	12.158	0.000	99	924323	10.0	9.20	
43 Cyclohexane	84	12.286	12.286	0.000	99	618408	10.0	9.52	
44 Carbon tetrachloride	117	12.431	12.431	0.000	98	934084	10.0	9.50	
45 Benzene	78	12.789	12.789	0.000	96	1476610	10.0	9.27	
46 1,2-Dichloroethane	62	12.875	12.875	0.000	94	600589	10.0	8.47	
47 Isooctane	57	12.998	12.993	0.005	99	2362746	10.0	9.21	
48 n-Heptane	43	13.303	13.303	0.000	92	843176	10.0	9.01	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	95	1578353	10.0	10.0	
50 n-Butanol	56	13.779	13.779	0.000	87	295017	10.0	8.00	
51 Trichloroethene	95	13.966	13.966	0.000	97	650311	10.0	9.44	
A 52 GRO	1	14.261	(6.525-21.996)		0	203564049	649.9	0	
53 1,2-Dichloropropane	63	14.432	14.432	0.000	93	576112	10.0	8.90	
54 Methyl methacrylate	69	14.517	14.512	0.005	98	522710	10.0	8.98	
55 1,4-Dioxane	88	14.560	14.565	-0.005	94	278574	10.0	8.08	
57 Dibromomethane	174	14.592	14.592	0.000	97	574853	10.0	10.5	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	1034357	10.0	8.94	
A 60 TVOC as Toluene	1	15.643	(4.268-27.019)		0	305996812	899.8	0	
59 cis-1,3-Dichloropropene	75	15.710	15.710	0.000	91	918554	10.0	9.29	
61 4-Methyl-2-pentanone (MIBK)	43	15.978	15.978	0.000	96	1076603	10.0	8.73	
62 Toluene	92	16.347	16.347	0.000	94	1013981	10.0	9.73	
A 63 Toluene Range	1	16.355	(16.277-16.433)		0	4059516	NC	NC	
A 65 C8 Range	1	16.572	(16.486-16.657)		0	4452472	NC	NC	
64 n-Octane	43	16.577	16.577	0.000	92	1164418	10.0	9.08	
66 trans-1,3-Dichloropropene	75	16.770	16.770	0.000	96	776076	10.0	9.82	
67 1,1,2-Trichloroethane	83	17.149	17.149	0.000	96	549082	10.0	9.29	
68 Tetrachloroethene	166	17.331	17.331	0.000	96	784389	10.0	10.6	
69 2-Hexanone	43	17.561	17.561	0.000	95	1005448	10.0	8.87	
70 Chlorodibromomethane	129	17.888	17.888	0.000	98	942389	10.0	9.06	
71 Ethylene Dibromide	107	18.128	18.128	0.000	99	935248	10.0	9.48	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	86	1434150	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	94	1343984	10.0	9.67	
75 Ethylbenzene	91	19.284	19.284	0.000	98	2225994	10.0	9.59	
76 m-Xylene & p-Xylene	106	19.541	19.541	0.000	0	1674402	20.0	19.9	
77 n-Nonane	57	19.594	19.589	0.005	89	1132724	10.0	9.15	
S 80 Xylenes, Total	106				0		30.0	30.0	
78 o-Xylene	106	20.316	20.311	0.005	98	804197	10.0	10.2	
79 Styrene	104	20.349	20.349	0.000	99	1316849	10.0	10.1	
81 Bromoform	173	20.691	20.691	0.000	96	736648	10.0	8.00	
82 Isopropylbenzene	105	20.985	20.985	0.000	98	2381028	10.0	10.1	
83 1,1,2,2-Tetrachloroethane	83	21.504	21.504	0.000	98	1402608	10.0	9.02	
84 1,2,3-Trichloropropane	75	21.600	21.600	0.000	100	1072890	10.0	8.86	
85 N-Propylbenzene	91	21.686	21.681	0.005	99	2999793	10.0	9.75	
86 2-Chlorotoluene	91	21.830	21.830	0.000	96	1918945	10.0	9.39	
87 4-Ethyltoluene	105	21.873	21.873	0.000	99	2390905	10.0	10.2	

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	21.964	0.006	93	1980169	10.0	9.96	
89 n-Decane	57	21.986	21.986	0.000	91	1460154	10.0	8.98	
90 Alpha Methyl Styrene	118	22.291	22.291	0.000	87	1001419	10.0	10.3	
91 tert-Butylbenzene	119	22.446	22.446	0.000	93	1857381	10.0	10.2	
92 1,2,4-Trimethylbenzene	105	22.531	22.531	0.000	98	1984307	10.0	10.0	
93 sec-Butylbenzene	105	22.761	22.761	0.000	99	2931787	10.0	10.1	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	99	1341610	10.0	10.0	
95 4-Isopropyltoluene	119	22.975	22.970	0.005	97	2348456	10.0	10.1	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	94	1341853	10.0	10.0	
97 Benzyl chloride	91	23.232	23.232	0.000	99	1776411	10.0	9.42	
98 n-Butylbenzene	91	23.537	23.537	0.000	99	2401523	10.0	9.77	
99 1,2-Dichlorobenzene	146	23.580	23.585	-0.005	95	1277743	10.0	9.89	
100 Undecane	57	23.676	23.676	0.000	95	1501430	10.0	8.85	
101 Dodecane	57	25.297	25.297	0.000	98	1305088	10.0	8.90	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	958829	10.0	11.0	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	875844	10.0	11.9	
104 Naphthalene	128	26.581	26.581	0.000	99	2053912	10.0	10.6	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	764479	10.0	9.35	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15LCSW_00882

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_003.D

Injection Date: 03-Jan-2025 08:45:51

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

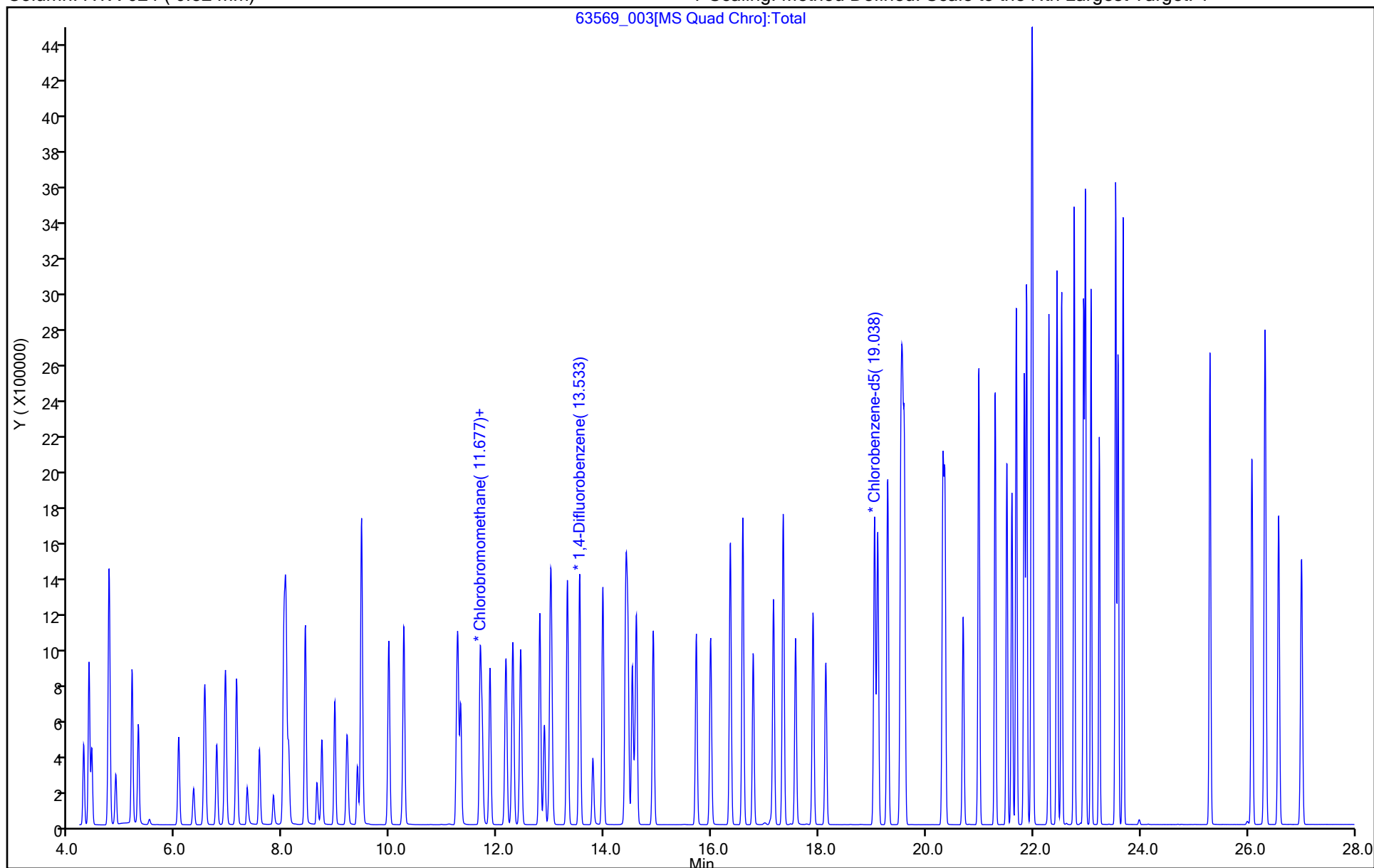
ALS Bottle#: 2

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.: 200-76392-1

SDG No.: 200-76392-1

Client Sample ID: _____ Lab Sample ID: LCS 200-212559/3

Matrix: Air Lab File ID: 63582_003.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/04/2025 10:30

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.: 212559 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	52.4		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	38.5		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	76.4		1.4	0.34
74-87-3	Chloromethane	50.49	22.9		1.0	0.31
106-97-8	n-Butane	58.12	23.1		1.2	0.48
75-01-4	Vinyl chloride	62.50	23.3		0.20	0.054
106-99-0	1,3-Butadiene	54.09	19.2		0.44	0.086
74-83-9	Bromomethane	94.94	42.1		0.78	0.28
75-00-3	Chloroethane	64.52	28.7		1.3	0.47
593-60-2	Bromoethene (Vinyl Bromide)	106.96	47.9		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	58.3		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	73.9		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	39.8		0.20	0.10
64-17-5	Ethanol	46.07	27.9		9.4	4.9
67-64-1	Acetone	58.08	23.1		12	3.8
67-63-0	Isopropyl alcohol	60.10	26.3		12	3.9
75-15-0	Carbon disulfide	76.14	30.4		1.6	0.40
107-05-1	3-Chloropropene	76.53	24.1		1.6	0.38
75-09-2	Methylene Chloride	84.93	33.8		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	28.6		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	36.0		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	39.8		0.79	0.091
110-54-3	n-Hexane	86.17	35.6		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	38.9		0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	27.6		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	38.6		0.20	0.083
67-66-3	Chloroform	119.38	47.0		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	28.5		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	53.5		1.1	0.24
110-82-7	Cyclohexane	84.16	34.4		0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-212559/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_003.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 10:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	62.7		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	48.3		0.93	0.18
71-43-2	Benzene	78.11	31.6		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	38.5		0.81	0.38
142-82-5	n-Heptane	100.21	43.3		0.82	0.23
79-01-6	Trichloroethene	131.39	53.2		0.20	0.13
80-62-6	Methyl methacrylate	100.12	40.0		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	45.8		0.92	0.43
123-91-1	1,4-Dioxane	88.11	30.6		18	0.30
75-27-4	Bromodichloromethane	163.83	64.9		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	45.2		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	41.7		2.0	0.53
108-88-3	Toluene	92.14	38.6		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	48.2		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	54.1		1.1	0.40
127-18-4	Tetrachloroethene	165.83	71.7		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	42.5		2.0	0.61
124-48-1	Dibromochloromethane	208.28	79.9		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	76.0		1.5	0.32
108-90-7	Chlorobenzene	112.56	45.8		0.92	0.20
100-41-4	Ethylbenzene	106.17	44.0		0.87	0.30
179601-23-1	m,p-Xylene	106.17	90.2		2.2	0.41
95-47-6	o-Xylene	106.17	46.0		0.87	0.27
100-42-5	Styrene	104.15	44.9		0.85	0.25
75-25-2	Bromoform	252.75	83.3		2.1	1.2
98-82-8	Cumene	120.19	51.8		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	66.6		1.4	0.30
103-65-1	n-Propylbenzene	120.19	50.8		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	52.4		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	51.4		0.98	0.23

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-212559/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63582_003.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 10:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212559</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	51.7		1.0	0.24
98-06-6	tert-Butylbenzene	134.22	57.7		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	51.6		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	58.2		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	58.1		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	61.5		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	62.1		1.2	0.54
100-44-7	Benzyl chloride	126.58	51.4		1.0	0.46
104-51-8	n-Butylbenzene	134.22	57.5		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	61.3		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	80.7		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	125		2.1	1.2
91-20-3	Naphthalene	128.17	56.6		2.6	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_003.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Jan-2025 10:30:23 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063582-003
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 07:01:51 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1671

First Level Reviewer: YWL8

Date: 06-Jan-2025 07:02:34

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	4.273	4.273	0.000	98	268263	10.0	12.3	
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	949781	10.0	10.6	
3 Chlorodifluoromethane	51	4.423	4.422	0.001	97	565360	10.0	10.9	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.744	4.749	-0.005	96	1031659	10.0	10.9	
5 Chloromethane	50	4.872	4.877	-0.005	99	341330	10.0	11.1	
7 Butane	43	5.177	5.177	0.000	99	686441	10.0	9.70	
6 Vinyl chloride	62	5.177	5.182	-0.005	100	478130	10.0	9.11	
8 Butadiene	54	5.295	5.295	0.001	92	362013	10.0	8.68	
11 BFB									
9 Bromomethane	94	6.049	6.049	0.000	99	381626	10.0	10.8	
10 Chloroethane	64	6.327	6.327	0.000	100	226534	10.0	10.9	
12 2-Methylbutane	43	6.536	6.536	0.000	93	477167	10.0	11.5	
13 Vinyl bromide	106	6.755	6.755	0.000	99	376768	10.0	10.9	
14 Trichlorofluoromethane	101	6.921	6.921	0.000	98	974404	10.0	10.4	
15 Pentane	43	7.130	7.129	0.001	96	737284	10.0	10.9	
16 Ethanol	45	7.327	7.333	-0.006	97	278509	15.0	14.8	
18 Ethyl ether	59	7.558	7.557	0.001	94	304788	10.0	10.7	
19 Acrolein	56	7.814	7.814	0.000	95	178110	10.0	11.1	
20 1,1-Dichloroethene	96	8.007	8.007	0.000	95	403257	10.0	10.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.044	8.044	0.000	93	839619	10.0	9.65	
22 Acetone	43	8.098	8.103	-0.005	97	640888	10.0	9.73	
23 Isopropyl alcohol	45	8.408	8.408	0.000	100	712944	10.0	10.7	
24 Carbon disulfide	76	8.413	8.413	0.000	99	1259309	10.0	9.77	
25 Acetonitrile	41	8.627	8.627	0.000	99	311063	10.0	9.16	
26 3-Chloro-1-propene	41	8.718	8.718	0.000	95	448347	10.0	7.70	
27 Methylene Chloride	49	8.959	8.959	0.000	97	528406	10.0	9.74	
28 2-Methyl-2-propanol	59	9.195	9.194	0.001	99	815738	10.0	9.42	
29 Acrylonitrile	53	9.382	9.382	0.000	95	337265	10.0	9.77	
30 trans-1,2-Dichloroethene	61	9.457	9.457	0.000	95	665029	10.0	10.0	
31 Methyl tert-butyl ether	73	9.462	9.462	0.000	98	1172660	10.0	10.0	
32 Hexane	57	9.970	9.970	0.000	94	704469	10.0	10.1	
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.8	

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	10.248	10.248	0.000	99	811599	10.0	9.62	
34 Vinyl acetate	43	10.254	10.254	0.000	100	957143	10.0	10.1	
36 2-Butanone (MEK)	72	11.238	11.238	0.000	100	215712	10.0	9.35	
37 cis-1,2-Dichloroethene	96	11.260	11.260	0.000	96	442425	10.0	9.73	
38 Ethyl acetate	88	11.313	11.313	0.000	100	37435	10.0	9.98	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	98	286204	10.0	10.0	
40 Tetrahydrofuran	42	11.709	11.709	0.000	94	511639	10.0	9.68	
41 Chloroform	83	11.859	11.859	0.000	96	910742	10.0	9.63	
42 1,1,1-Trichloroethane	97	12.153	12.153	0.000	99	856571	10.0	9.81	
43 Cyclohexane	84	12.281	12.287	-0.006	97	565040	10.0	10.0	
44 Carbon tetrachloride	117	12.431	12.431	0.000	97	851650	10.0	9.96	
45 Benzene	78	12.790	12.790	0.000	97	1368151	10.0	9.88	
46 1,2-Dichloroethane	62	12.870	12.870	0.000	94	586007	10.0	9.50	
47 Isooctane	57	12.993	12.993	0.000	99	2304291	10.0	10.3	
48 n-Heptane	43	13.303	13.303	0.000	94	859508	10.0	10.6	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1372845	10.0	10.0	
50 n-Butanol	56	13.779	13.779	0.000	90	278425	10.0	8.69	
51 Trichloroethene	95	13.967	13.961	0.006	95	593219	10.0	9.90	
A 52 GRO	1	14.261	(6.526-21.996)		0	191415742	649.9	0	
53 1,2-Dichloropropane	63	14.432	14.432	0.000	93	558204	10.0	9.91	
54 Methyl methacrylate	69	14.512	14.512	0.000	96	494748	10.0	9.78	
55 1,4-Dioxane	88	14.560	14.560	0.000	97	254402	10.0	8.48	
57 Dibromomethane	174	14.592	14.592	0.000	94	500596	10.0	10.5	
58 Dichlorobromomethane	83	14.908	14.908	0.000	98	975238	10.0	9.69	
A 60 TVOC as Toluene	1	15.638	(4.263-27.014)		0	285331163	899.8	0	
59 cis-1,3-Dichloropropene	75	15.711	15.705	0.006	93	855493	10.0	9.95	
61 4-Methyl-2-pentanone (MIBK)	43	15.978	15.978	0.000	97	1091381	10.0	10.2	
62 Toluene	92	16.342	16.342	0.000	94	923195	10.0	10.2	
A 63 Toluene Range	1	16.352	(16.272-16.433)		0	3774276	NC	NC	
64 n-Octane	43	16.577	16.577	0.000	94	1190093	10.0	10.7	
A 65 C8 Range	1	16.593	(16.486-16.700)		0	4368099	NC	NC	
66 trans-1,3-Dichloropropene	75	16.770	16.770	0.000	96	729800	10.0	10.6	
67 1,1,2-Trichloroethane	83	17.150	17.150	0.000	96	507750	10.0	9.92	
68 Tetrachloroethene	166	17.332	17.331	0.001	95	678670	10.0	10.6	
69 2-Hexanone	43	17.562	17.562	0.000	94	1017517	10.0	10.4	
70 Chlorodibromomethane	129	17.888	17.888	0.000	98	844800	10.0	9.38	
71 Ethylene Dibromide	107	18.129	18.129	0.000	98	844927	10.0	9.89	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	88	1241780	10.0	10.0	
74 Chlorobenzene	112	19.097	19.097	0.000	92	1197678	10.0	9.95	
75 Ethylbenzene	91	19.279	19.279	0.000	99	2035279	10.0	10.1	
76 m-Xylene & p-Xylene	106	19.541	19.546	-0.005	0	1517592	20.0	20.8	
77 n-Nonane	57	19.589	19.589	0.000	91	1105528	10.0	10.3	
S 80 Xylenes, Total	106				0		30.0	31.4	
78 o-Xylene	106	20.317	20.311	0.006	98	724478	10.0	10.6	
79 Styrene	104	20.349	20.349	0.000	100	1187675	10.0	10.6	
81 Bromoform	173	20.691	20.691	0.000	95	642327	10.0	8.06	
82 Isopropylbenzene	105	20.980	20.980	0.000	99	2146426	10.0	10.5	
83 1,1,2,2-Tetrachloroethane	83	21.504	21.504	0.000	98	1306056	10.0	9.70	
84 1,2,3-Trichloropropane	75	21.601	21.601	0.000	100	1010487	10.0	9.64	
85 N-Propylbenzene	91	21.681	21.681	0.000	98	2754220	10.0	10.3	
86 2-Chlorotoluene	91	21.831	21.831	0.000	96	1766476	10.0	9.98	
87 4-Ethyltoluene	105	21.874	21.873	0.001	99	2172791	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
88 1,3,5-Trimethylbenzene	105	21.964	21.964	0.000	92	1800042	10.0	10.5	
89 n-Decane	57	21.986	21.986	0.000	90	1432862	10.0	10.2	
90 Alpha Methyl Styrene	118	22.291	22.291	0.000	86	891169	10.0	10.6	
91 tert-Butylbenzene	119	22.446	22.441	0.005	92	1662816	10.0	10.5	
92 1,2,4-Trimethylbenzene	105	22.532	22.526	0.006	98	1796003	10.0	10.5	
93 sec-Butylbenzene	105	22.762	22.762	0.000	99	2677333	10.0	10.6	
94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	99	1187428	10.0	10.2	
95 4-Isopropyltoluene	119	22.976	22.970	0.006	97	2127734	10.0	10.6	
96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	93	1198600	10.0	10.3	
97 Benzyl chloride	91	23.232	23.232	0.000	98	1620367	10.0	9.92	
98 n-Butylbenzene	91	23.537	23.537	0.000	98	2231095	10.0	10.5	
99 1,2-Dichlorobenzene	146	23.580	23.580	0.000	94	1140726	10.0	10.2	
100 Undecane	57	23.676	23.676	0.000	96	1447641	10.0	9.85	
101 Dodecane	57	25.297	25.297	0.000	97	1239588	10.0	9.76	
102 1,2,4-Trichlorobenzene	180	26.078	26.084	-0.006	94	822806	10.0	10.9	
103 Hexachlorobutadiene	225	26.325	26.324	0.001	97	745292	10.0	11.7	
104 Naphthalene	128	26.581	26.576	0.005	99	1806507	10.0	10.8	
105 1,2,3-Trichlorobenzene	180	27.009	27.004	0.005	95	659654	10.0	9.32	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00882

Amount Added: 200.00

Units: mL

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250104-63582.b\63582_003.D

Injection Date: 04-Jan-2025 10:30:23

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

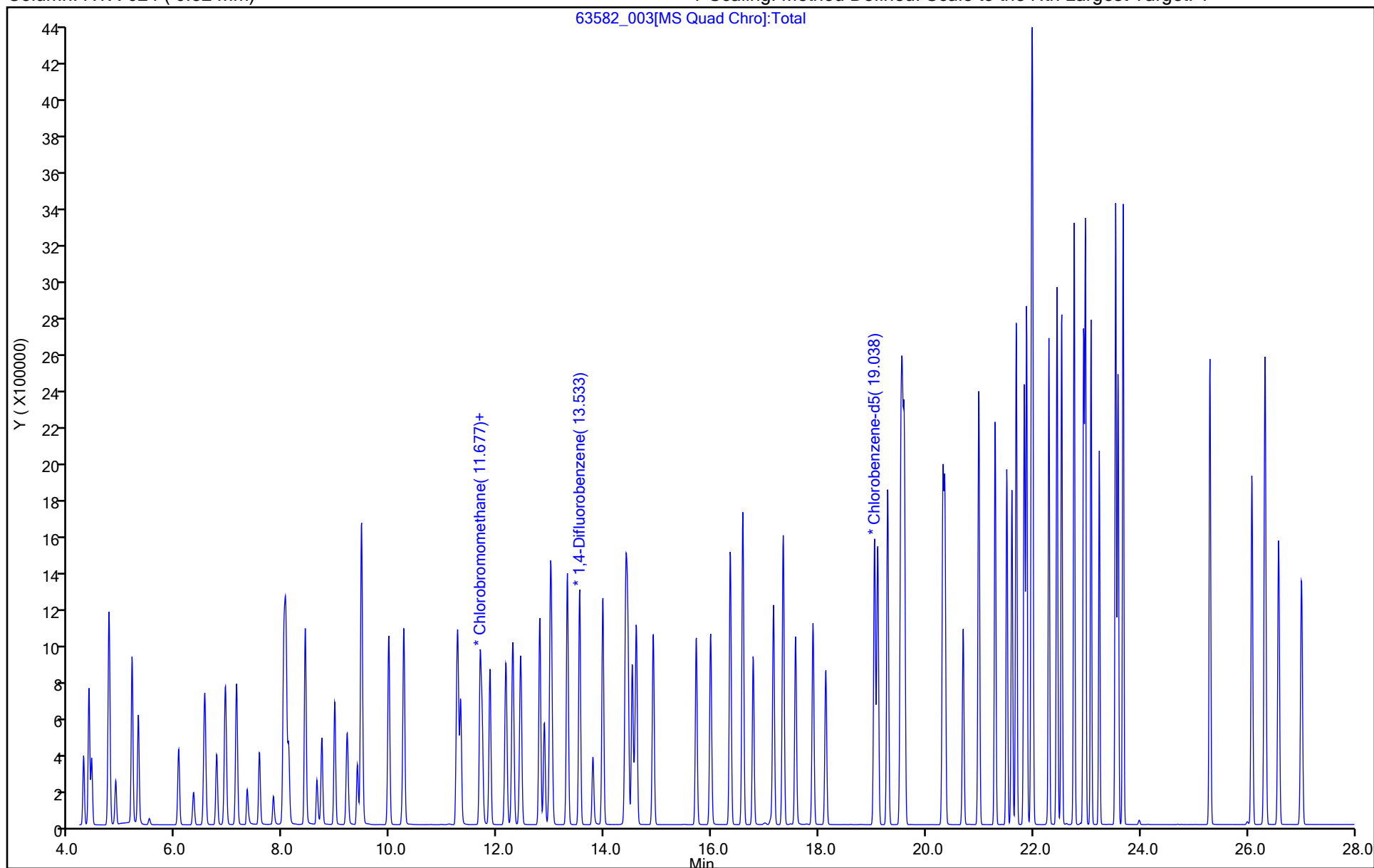
ALS Bottle#: 2

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-212564/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_003.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 09:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	43.5		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	34.3		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	55.4		1.4	0.34
74-87-3	Chloromethane	50.49	20.0		1.0	0.31
106-97-8	n-Butane	58.12	28.0		1.2	0.48
75-01-4	Vinyl chloride	62.50	23.9		0.20	0.054
106-99-0	1,3-Butadiene	54.09	22.0		0.44	0.086
74-83-9	Bromomethane	94.94	32.9		0.78	0.28
75-00-3	Chloroethane	64.52	25.1		1.3	0.47
593-60-2	Bromoethene (Vinyl Bromide)	106.96	38.5		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	50.0		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	64.6		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	31.7		0.20	0.10
64-17-5	Ethanol	46.07	26.5		9.4	4.9
67-64-1	Acetone	58.08	23.4		12	3.8
67-63-0	Isopropyl alcohol	60.10	26.7		12	3.9
75-15-0	Carbon disulfide	76.14	28.2		1.6	0.40
107-05-1	3-Chloropropene	76.53	25.3		1.6	0.38
75-09-2	Methylene Chloride	84.93	33.9		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	28.6		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	33.6		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	37.9		0.79	0.091
110-54-3	n-Hexane	86.17	34.1		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	36.6		0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	27.0		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	33.0		0.20	0.083
67-66-3	Chloroform	119.38	44.1		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	29.2		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	47.9		1.1	0.24
110-82-7	Cyclohexane	84.16	30.4		0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-212564/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>63588_003.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/06/2025 09:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212564</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	54.7		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	44.9		0.93	0.18
71-43-2	Benzene	78.11	28.9		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	37.7		0.81	0.38
142-82-5	n-Heptane	100.21	41.2		0.82	0.23
79-01-6	Trichloroethene	131.39	47.2		0.20	0.13
80-62-6	Methyl methacrylate	100.12	38.8		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	43.8		0.92	0.43
123-91-1	1,4-Dioxane	88.11	30.8		18	0.30
75-27-4	Bromodichloromethane	163.83	59.9		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	41.4		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	42.6		2.0	0.53
108-88-3	Toluene	92.14	32.5		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	44.7		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	48.3		1.1	0.40
127-18-4	Tetrachloroethene	165.83	54.2		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	42.2		2.0	0.61
124-48-1	Dibromochloromethane	208.28	65.9		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	64.5		1.5	0.32
108-90-7	Chlorobenzene	112.56	38.9		0.92	0.20
100-41-4	Ethylbenzene	106.17	37.9		0.87	0.30
179601-23-1	m,p-Xylene	106.17	74.6		2.2	0.41
95-47-6	o-Xylene	106.17	37.0		0.87	0.27
100-42-5	Styrene	104.15	37.2		0.85	0.25
75-25-2	Bromoform	252.75	64.7		2.1	1.2
98-82-8	Cumene	120.19	41.4		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	60.3		1.4	0.30
103-65-1	n-Propylbenzene	120.19	43.2		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	43.1		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	41.8		0.98	0.23

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

Lab Name: Eurofins Burlington Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: LCS 200-212564/3
Matrix: Air Lab File ID: 63588_003.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/06/2025 09:09
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.: 212564 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	44.7		1.0	0.24
98-06-6	tert-Butylbenzene	134.22	45.1		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	41.8		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	46.7		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	44.7		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	49.0		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	49.7		1.2	0.54
100-44-7	Benzyl chloride	126.58	43.9		1.0	0.46
104-51-8	n-Butylbenzene	134.22	48.8		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	47.9		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	64.6		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	88.0		2.1	1.2
91-20-3	Naphthalene	128.17	47.6		2.6	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_003.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Jan-2025 09:09:53 ALS Bottle#: 4 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063588-003
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 07-Jan-2025 10:09:02 Calib Date: 19-Dec-2024 02:02:33
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1672

First Level Reviewer: YWL8

Date: 07-Jan-2025 10:15:51

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	4.348	4.353	-0.005	97	802282	10.0	10.0	
2 Dichlorodifluoromethane	85	4.449	4.449	0.000	99	1462868	10.0	8.80	
3 Chlorodifluoromethane	51	4.492	4.492	0.000	97	1267151	10.0	9.71	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.813	4.813	0.000	95	1415744	10.0	7.93	
5 Chloromethane	50	4.931	4.931	0.000	99	764337	10.0	9.67	
6 Vinyl chloride	62	5.225	5.225	0.000	100	692916	10.0	9.36	
7 Butane	43	5.230	5.230	0.000	98	1423078	10.0	11.8	
8 Butadiene	54	5.337	5.337	0.000	96	584344	10.0	9.94	
11 BFB									
9 Bromomethane	94	6.060	6.065	-0.005	99	473706	10.0	8.48	
10 Chloroethane	64	6.333	6.332	0.001	99	361519	10.0	9.49	
12 2-Methylbutane	43	6.547	6.546	0.001	95	1057944	10.0	10.1	
13 Vinyl bromide	106	6.750	6.750	0.000	98	443056	10.0	8.80	
14 Trichlorofluoromethane	101	6.916	6.921	-0.005	97	1286358	10.0	8.90	
15 Pentane	43	7.124	7.124	0.000	96	1550877	10.0	10.2	
16 Ethanol	45	7.269	7.269	0.000	98	543633	15.0	14.1	
18 Ethyl ether	59	7.531	7.531	0.000	96	489905	10.0	9.49	
19 Acrolein	56	7.756	7.755	0.001	97	292324	10.0	10.8	
20 1,1-Dichloroethene	96	7.970	7.969	0.001	90	507779	10.0	8.00	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.012	8.012	0.000	89	1019808	10.0	8.43	
22 Acetone	43	8.034	8.028	0.006	99	1232796	10.0	9.87	
23 Isopropyl alcohol	45	8.317	8.317	0.000	100	1360178	10.0	10.9	
24 Carbon disulfide	76	8.376	8.376	0.000	100	1723065	10.0	9.05	
25 Acetonitrile	41	8.526	8.526	0.000	99	618463	10.0	9.10	
26 3-Chloro-1-propene	41	8.660	8.659	0.001	93	855384	10.0	8.09	
27 Methylene Chloride	49	8.884	8.884	0.000	95	905559	10.0	9.75	
28 2-Methyl-2-propanol	59	9.082	9.082	0.000	98	1389381	10.0	9.43	
29 Acrylonitrile	53	9.270	9.269	0.001	94	530154	10.0	9.45	
30 trans-1,2-Dichloroethene	61	9.387	9.387	0.000	90	1018398	10.0	9.55	
31 Methyl tert-butyl ether	73	9.393	9.392	0.001	97	1756422	10.0	9.33	
32 Hexane	57	9.906	9.906	0.000	94	1135422	10.0	9.68	
33 1,1-Dichloroethane	63	10.147	10.147	0.000	99	1234448	10.0	9.04	

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	10.152	10.152	0.000	100	2181261	10.0	11.9	
S 35 1,2-Dichloroethene, Total	61				0		20.0	17.9	
36 2-Butanone (MEK)	72	11.105	11.099	0.006	99	322305	10.0	9.17	
37 cis-1,2-Dichloroethene	96	11.137	11.136	0.001	99	575333	10.0	8.33	
38 Ethyl acetate	88	11.190	11.190	0.000	98	48597	10.0	8.93	
* 39 Chlorobromomethane	128	11.543	11.543	0.000	92	454723	10.0	10.0	
40 Tetrahydrofuran	42	11.586	11.586	0.000	94	986175	10.0	9.90	
41 Chloroform	83	11.720	11.720	0.000	96	1264426	10.0	9.03	
42 1,1,1-Trichloroethane	97	12.035	12.035	0.000	96	1174794	10.0	8.77	
43 Cyclohexane	84	12.185	12.185	0.000	92	771666	10.0	8.84	
44 Carbon tetrachloride	117	12.319	12.319	0.000	95	1098422	10.0	8.70	
45 Benzene	78	12.661	12.656	0.005	98	1945060	10.0	9.04	
46 1,2-Dichloroethane	62	12.720	12.720	0.000	93	948918	10.0	9.31	
47 Isooctane	57	12.891	12.886	0.005	98	3710484	10.0	9.62	
48 n-Heptane	43	13.196	13.191	0.005	98	1628662	10.0	10.1	
* 49 1,4-Difluorobenzene	114	13.384	13.383	0.001	98	2288809	10.0	10.0	
50 n-Butanol	56	13.592	13.592	0.000	96	498476	10.0	8.78	
51 Trichloroethene	95	13.822	13.822	0.000	94	780467	10.0	8.78	
A 52 GRO	1	14.210	(6.536-21.883)		0	301443755	649.9	0	
53 1,2-Dichloropropane	63	14.272	14.271	0.001	87	876744	10.0	9.47	
54 Methyl methacrylate	69	14.357	14.357	0.000	89	748843	10.0	9.47	
55 1,4-Dioxane	88	14.395	14.394	0.001	95	345550	10.0	8.54	
57 Dibromomethane	174	14.427	14.421	0.006	86	529282	10.0	8.23	
58 Dichlorobromomethane	83	14.732	14.731	0.001	97	1404267	10.0	8.94	
59 cis-1,3-Dichloropropene	75	15.540	15.534	0.006	98	1310043	10.0	9.13	
A 60 TVOC as Toluene	1	15.563	(4.343-26.784)		0	442981716	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.796	15.796	0.000	95	2143449	10.0	10.4	
62 Toluene	92	16.187	16.181	0.006	92	1265785	10.0	8.62	
A 63 Toluene Range	1	16.197	(16.117-16.278)		0	5675189	NC	NC	
64 n-Octane	43	16.449	16.443	0.006	99	2300371	10.0	10.0	
A 65 C8 Range	1	16.449	(16.374-16.524)		0	7543297	NC	NC	
66 trans-1,3-Dichloropropene	75	16.588	16.583	0.006	97	1125482	10.0	9.86	
67 1,1,2-Trichloroethane	83	16.957	16.957	0.000	95	717191	10.0	8.85	
68 Tetrachloroethene	166	17.182	17.182	0.000	89	759065	10.0	7.99	
69 2-Hexanone	43	17.369	17.369	0.000	90	2020947	10.0	10.3	
70 Chlorodibromomethane	129	17.701	17.695	0.006	95	1048586	10.0	7.74	
71 Ethylene Dibromide	107	17.942	17.936	0.006	98	1093959	10.0	8.40	
* 73 Chlorobenzene-d5	117	18.856	18.856	0.000	93	2062445	10.0	10.0	
74 Chlorobenzene	112	18.915	18.915	0.000	88	1549344	10.0	8.46	
75 Ethylbenzene	91	19.108	19.108	0.000	100	2869232	10.0	8.72	
76 m-Xylene & p-Xylene	106	19.375	19.370	0.005	0	2012899	20.0	17.2	
77 n-Nonane	57	19.445	19.445	0.000	96	1829032	10.0	9.29	
S 80 Xylenes, Total	106				0		30.0	25.7	
78 o-Xylene	106	20.146	20.140	0.006	97	976697	10.0	8.52	
79 Styrene	104	20.178	20.172	0.006	97	1622002	10.0	8.74	
81 Bromoform	173	20.509	20.509	0.000	90	742001	10.0	6.26	
82 Isopropylbenzene	105	20.836	20.830	0.006	98	2919215	10.0	8.42	
83 1,1,2,2-Tetrachloroethane	83	21.333	21.328	0.005	97	1912074	10.0	8.79	
84 1,2,3-Trichloropropane	75	21.430	21.429	0.001	96	1509059	10.0	8.99	
85 N-Propylbenzene	91	21.542	21.542	0.000	97	3913565	10.0	8.80	
86 2-Chlorotoluene	91	21.686	21.686	0.000	97	2369168	10.0	8.64	
87 4-Ethyltoluene	105	21.740	21.740	0.000	98	2895129	10.0	8.76	

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	21.831	21.831	0.000	91	2386320	10.0	8.51	
89 n-Decane	57	21.874	21.873	0.001	86	2389101	10.0	9.49	
90 Alpha Methyl Styrene	118	22.157	22.157	0.000	81	1176253	10.0	8.59	
91 tert-Butylbenzene	119	22.312	22.312	0.000	88	2158637	10.0	8.22	
92 1,2,4-Trimethylbenzene	105	22.398	22.398	0.000	99	2403146	10.0	8.49	
93 sec-Butylbenzene	105	22.639	22.638	0.001	98	3648123	10.0	8.51	
94 1,3-Dichlorobenzene	146	22.805	22.804	0.000	96	1407459	10.0	8.15	
95 4-Isopropyltoluene	119	22.847	22.847	0.000	96	2761546	10.0	8.15	
96 1,4-Dichlorobenzene	146	22.944	22.943	0.001	88	1414100	10.0	8.26	
97 Benzyl chloride	91	23.088	23.088	0.000	96	2333760	10.0	8.48	
98 n-Butylbenzene	91	23.404	23.403	0.001	97	3332321	10.0	8.88	
99 1,2-Dichlorobenzene	146	23.436	23.436	0.000	91	1347500	10.0	7.96	
100 Undecane	57	23.559	23.559	0.000	94	2615523	10.0	8.98	
101 Dodecane	57	25.148	25.148	0.000	92	2271497	10.0	8.16	
102 1,2,4-Trichlorobenzene	180	25.881	25.880	0.001	91	966434	10.0	8.71	
103 Hexachlorobutadiene	225	26.137	26.137	0.000	90	811747	10.0	8.25	
104 Naphthalene	128	26.357	26.357	0.000	97	2360068	10.0	9.08	
105 1,2,3-Trichlorobenzene	180	26.774	26.774	0.000	95	803068	10.0	7.13	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00882

Amount Added: 200.00

Units: mL

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250106-63588.b\63588_003.D

Injection Date: 06-Jan-2025 09:09:53

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

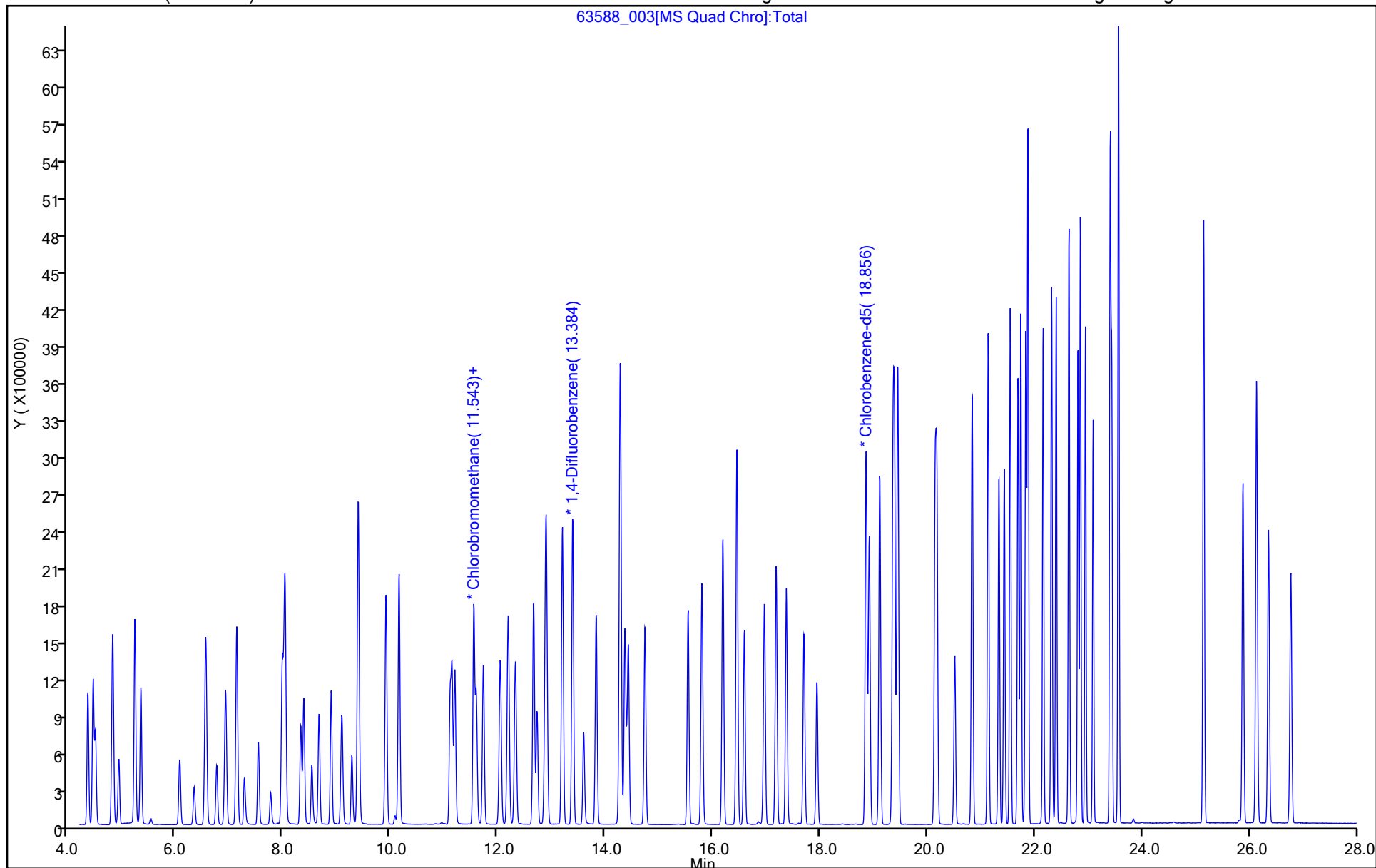
ALS Bottle#: 4

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DU</u>	Lab Sample ID: <u>200-76392-5 DU</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_027.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 05:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.32	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.948	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	3.94		1.0	0.31
106-97-8	n-Butane	58.12	0.829	J	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	1.44		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.574	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
64-17-5	Ethanol	46.07	17.2		9.4	4.9
67-64-1	Acetone	58.08	31.7		12	3.8
67-63-0	Isopropyl alcohol	60.10	4.11	J	12	3.9
75-15-0	Carbon disulfide	76.14	17.0		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	0.818	J	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	8.25		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	0.363	J	1.1	0.24
110-82-7	Cyclohexane	84.16	0.377	J	0.69	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DU</u>	Lab Sample ID: <u>200-76392-5 DU</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_027.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 05:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	153.81	0.377		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.92		0.93	0.18
71-43-2	Benzene	78.11	34.2		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	1.22		0.82	0.23
79-01-6	Trichloroethene	131.39	1.30		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	0.934	J	2.0	0.53
108-88-3	Toluene	92.14	8.13		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	463		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	2.31		0.87	0.30
179601-23-1	m,p-Xylene	106.17	8.16		2.2	0.41
95-47-6	o-Xylene	106.17	3.50		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	3.35		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	0.775	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	1.11		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	1.07		0.98	0.23

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT005 DU</u>	Lab Sample ID: <u>200-76392-5 DU</u>
Matrix: <u>Air</u>	Lab File ID: <u>63569_027.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/20/2024 08:54</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>01/04/2025 05:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212534</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	4.36		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	0.677	J	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	2.6	U	2.6	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D
 Lims ID: 200-76392-A-5 DU
 Client ID:
 Sample Type: Client
 Inject. Date: 04-Jan-2025 05:36:54 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063569-027
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Jan-2025 12:12:19 Calib Date: 21-Dec-2024 11:06:39
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: F7XK

Date: 06-Jan-2025 12:12:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.374	4.374	0.000	99	38339	0.4700	
3 Chlorodifluoromethane	51	4.428	4.428	0.000	97	12656	0.2679	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.743	4.743	-0.006	41	1711	0.0199	7M
5 Chloromethane	50	4.872	4.877	-0.005	99	53275	1.91	
7 Butane	43	5.177	5.177	0.000	96	22441	0.3488	
6 Vinyl chloride	62		5.182				ND	
8 Butadiene	54		5.294				ND	MU
9 Bromomethane	94		6.049				ND	
10 Chloroethane	64		6.327				ND	7
13 Vinyl bromide	106		6.760				ND	
14 Trichlorofluoromethane	101	6.921	6.926	0.000	98	21930	0.2566	
16 Ethanol	45	7.338	7.333	0.005	98	155811	9.12	
20 1,1-Dichloroethene	96		8.007				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	8.044	8.044	0.000	93	5930	0.0749	
22 Acetone	43	8.108	8.135	0.005	97	799711	13.4	
23 Isopropyl alcohol	45	8.429	8.429	0.021	99	101391	1.67	
24 Carbon disulfide	76	8.413	8.413	0.000	99	640028	5.46	
26 3-Chloro-1-propene	41		8.718				ND	MU
27 Methylene Chloride	49		8.964				ND	7
28 2-Methyl-2-propanol	59	9.216	9.194	0.022	96	19192	0.2438	
30 trans-1,2-Dichloroethene	61		9.456				ND	
31 Methyl tert-butyl ether	73		9.462				ND	
32 Hexane	57	9.976	9.970	0.006	93	14713	0.2320	
33 1,1-Dichloroethane	63		10.248				ND	
36 2-Butanone (MEK)	72	11.249	11.238	0.011	100	58683	2.80	
37 cis-1,2-Dichloroethene	96		11.259				ND	7
* 39 Chlorobromomethane	128	11.677	11.677	0.000	98	260244	10.0	
40 Tetrahydrofuran	42	11.730	11.730	0.021	95	14491	0.3016	M
41 Chloroform	83	11.859	11.853	0.001	93	2850	0.0331	
42 1,1,1-Trichloroethane	97	12.148	12.158	-0.010	97	5285	0.0666	
43 Cyclohexane	84	12.287	12.281	0.001	95	5620	0.1095	
44 Carbon tetrachloride	117	12.431	12.431	0.000	97	4653	0.0599	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.790	12.789	0.001	97	1345722	10.7	
46 1,2-Dichloroethane	62		12.875				ND	MU
47 Isooctane	57	12.993	12.998	0.000	99	83445	0.4116	
48 n-Heptane	43	13.308	13.303	0.005	97	22116	0.2988	
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	96	1247882	10.0	
51 Trichloroethene	95	13.961	13.967	-0.005	94	13164	0.2416	
53 1,2-Dichloropropane	63		14.432				ND	
54 Methyl methacrylate	69		14.512				ND	MU
55 1,4-Dioxane	88		14.565				ND	7
58 Dichlorobromomethane	83		14.908				ND	
59 cis-1,3-Dichloropropene	75		15.710				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.989	15.989	0.011	96	22225	0.2279	M
62 Toluene	92	16.342	16.347	-0.005	94	177097	2.16	
66 trans-1,3-Dichloropropene	75		16.770				ND	MU
67 1,1,2-Trichloroethane	83		17.149				ND	MU
68 Tetrachloroethene	166	17.331	17.326	0.000	95	3991174	68.3	E
69 2-Hexanone	43		17.561				ND	7
70 Chlorodibromomethane	129		17.888				ND	
71 Ethylene Dibromide	107		18.128				ND	
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	90	1130579	10.0	
74 Chlorobenzene	112		19.097				ND	7
75 Ethylbenzene	91	19.284	19.279	0.000	99	97473	0.5329	
76 m-Xylene & p-Xylene	106	19.530	19.541	-0.011	0	124916	1.88	
78 o-Xylene	106	20.311	20.312	0.000	98	50271	0.8065	
79 Styrene	104		20.349				ND	MU
81 Bromoform	173		20.691				ND	
82 Isopropylbenzene	105	20.985	20.991	0.000	99	126337	0.6808	
83 1,1,2,2-Tetrachloroethane	83		21.504				ND	7
85 N-Propylbenzene	91	21.681	21.681	0.000	98	38249	0.1577	
86 2-Chlorotoluene	91		21.830				ND	MU
87 4-Ethyltoluene	105	21.873	21.874	0.000	99	42032	0.2265	
88 1,3,5-Trimethylbenzene	105	21.964	21.965	0.000	92	34169	0.2179	
91 tert-Butylbenzene	119		22.446				ND	MU
92 1,2,4-Trimethylbenzene	105	22.531	22.532	0.000	98	137937	0.8860	
93 sec-Butylbenzene	105	22.767	22.767	0.006	94	3678	0.0160	M
94 1,3-Dichlorobenzene	146		22.938				ND	7
95 4-Isopropyltoluene	119	22.975	22.970	0.005	97	22566	0.1234	
96 1,4-Dichlorobenzene	146	23.082	23.077	0.005	94	3166	0.0300	
97 Benzyl chloride	91		23.232				ND	MU
98 n-Butylbenzene	91	23.537	23.537	0.000	93	5935	0.0306	
99 1,2-Dichlorobenzene	146		23.585				ND	7
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.581	26.581	0.000	98	6465	0.0424	

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Worklist Smp#: 27

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

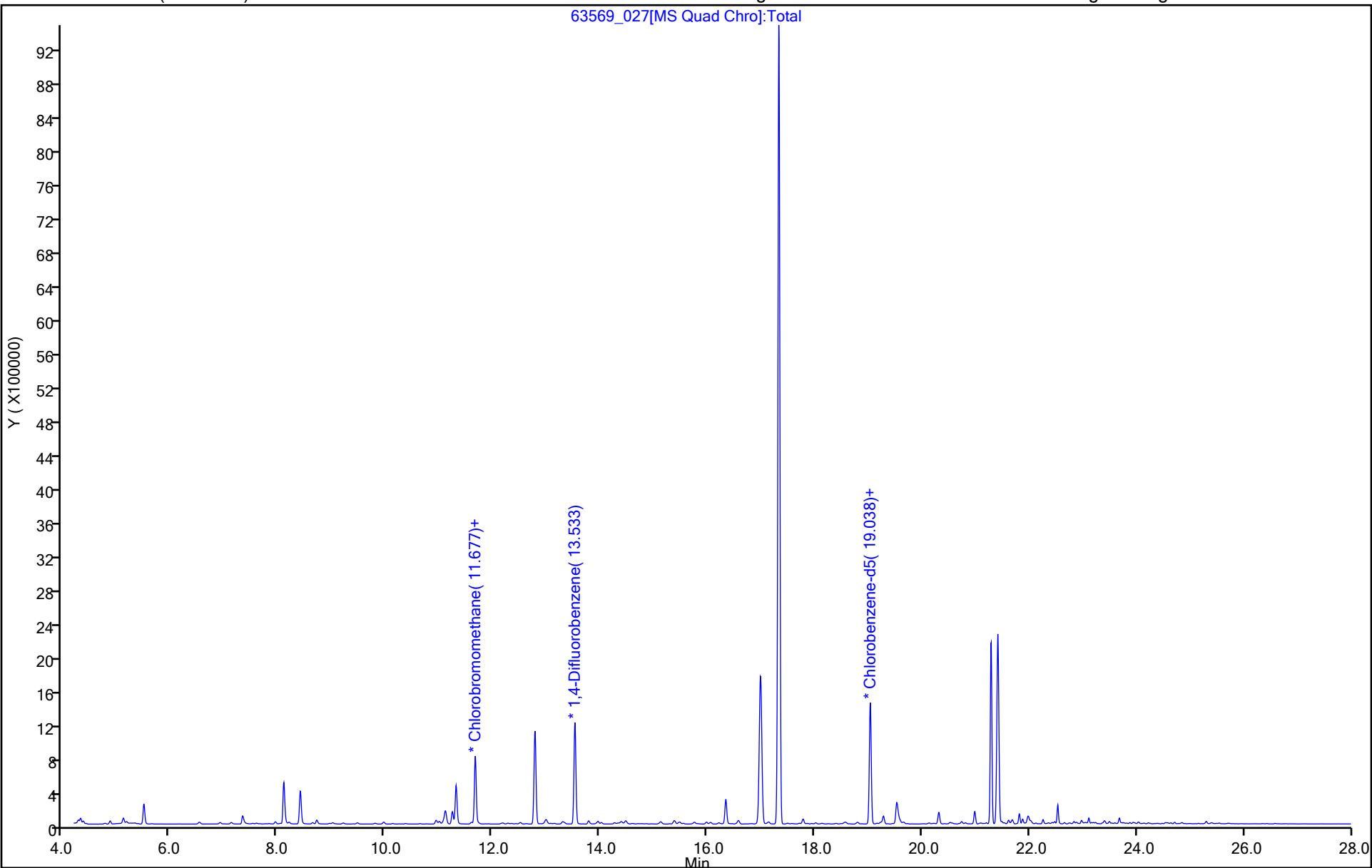
ALS Bottle#: 26

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

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

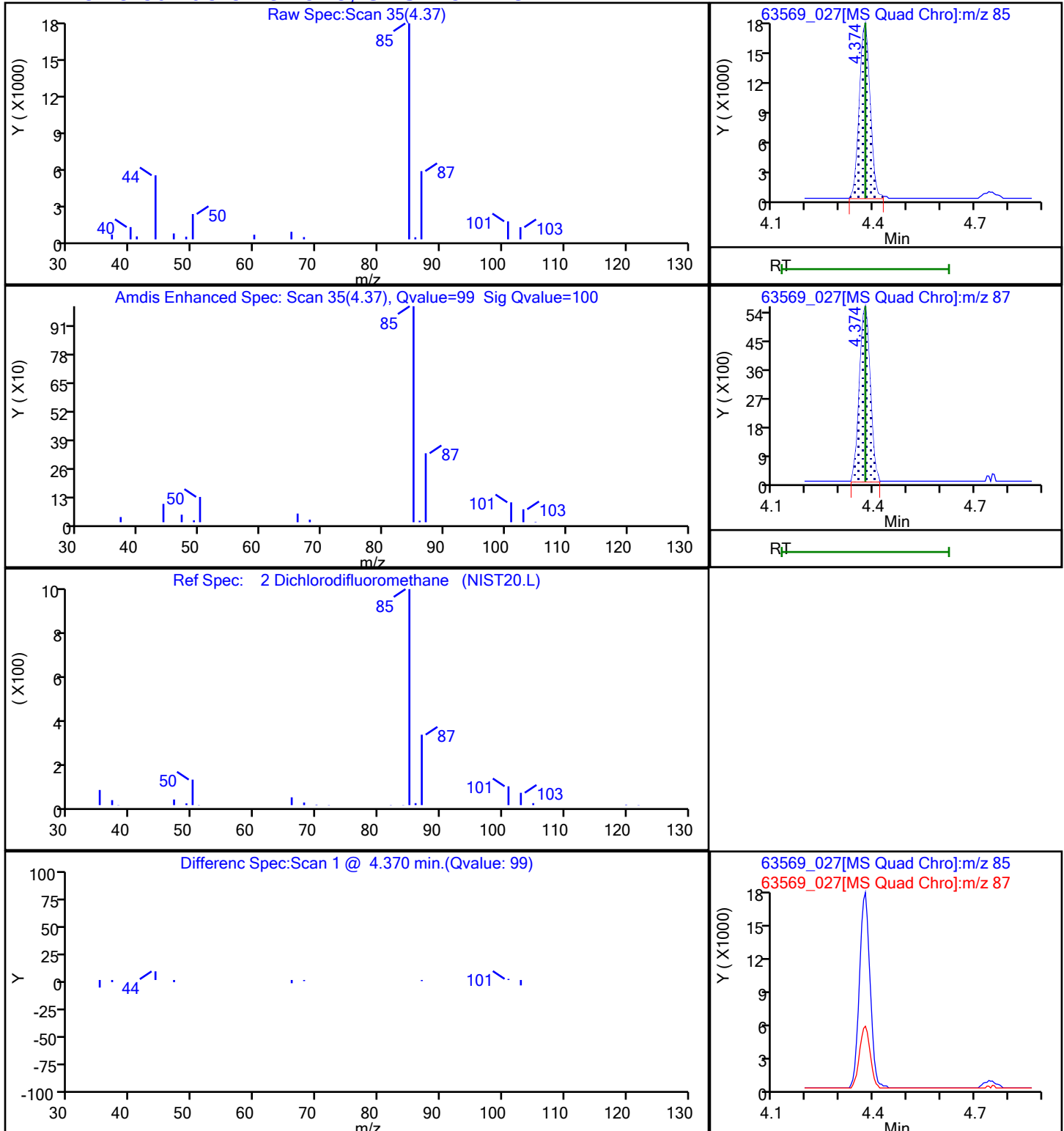
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

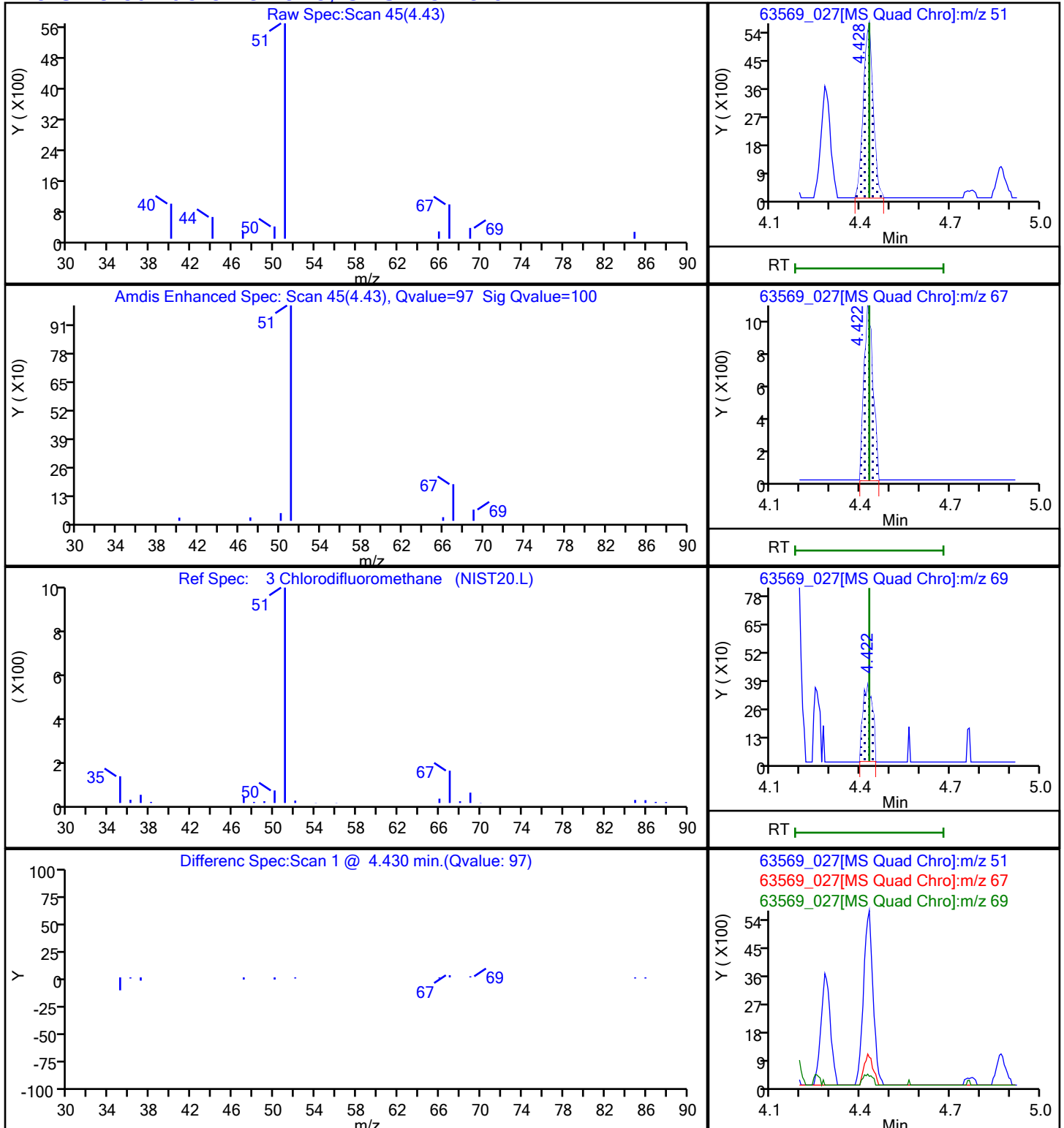
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

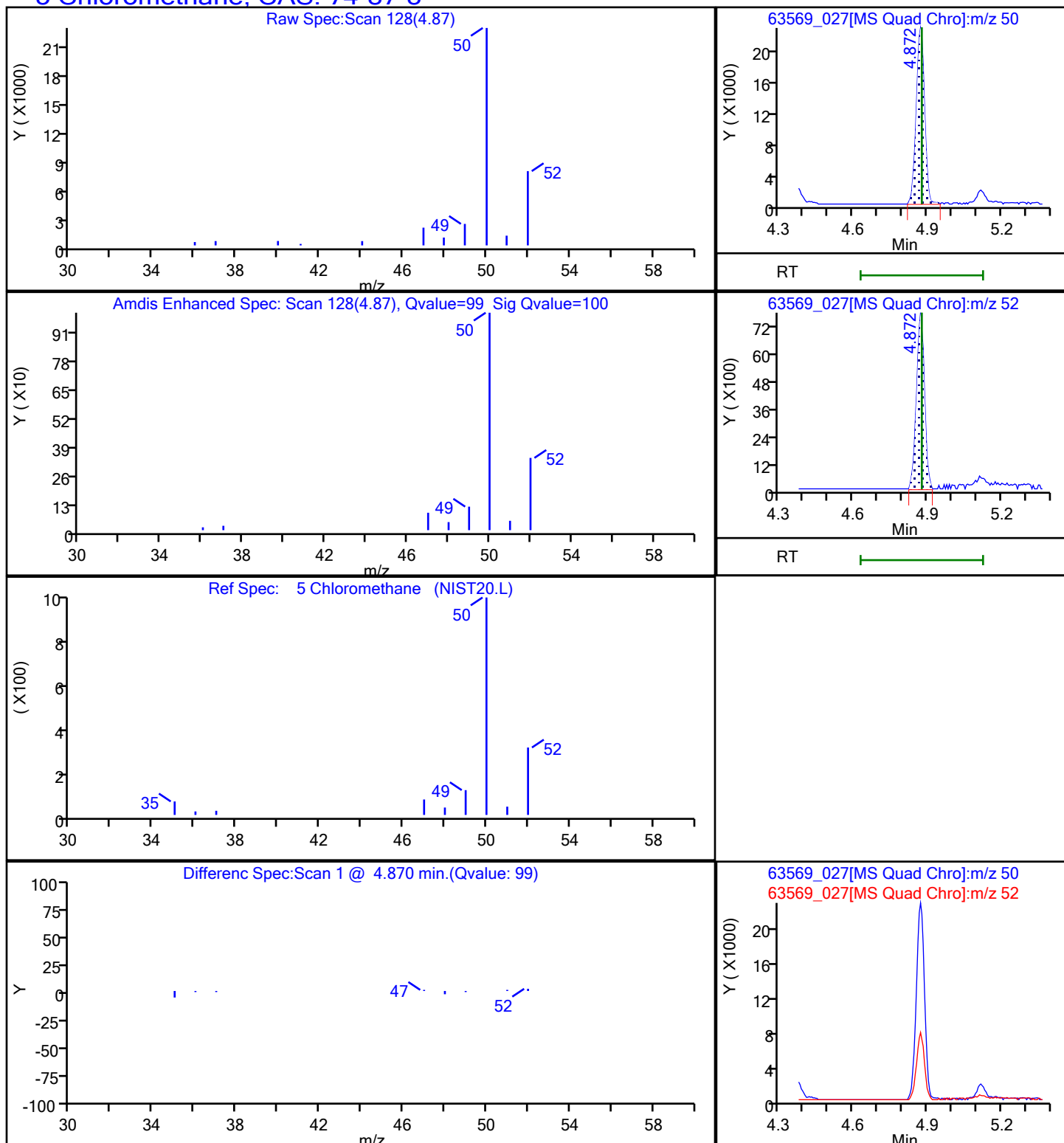
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

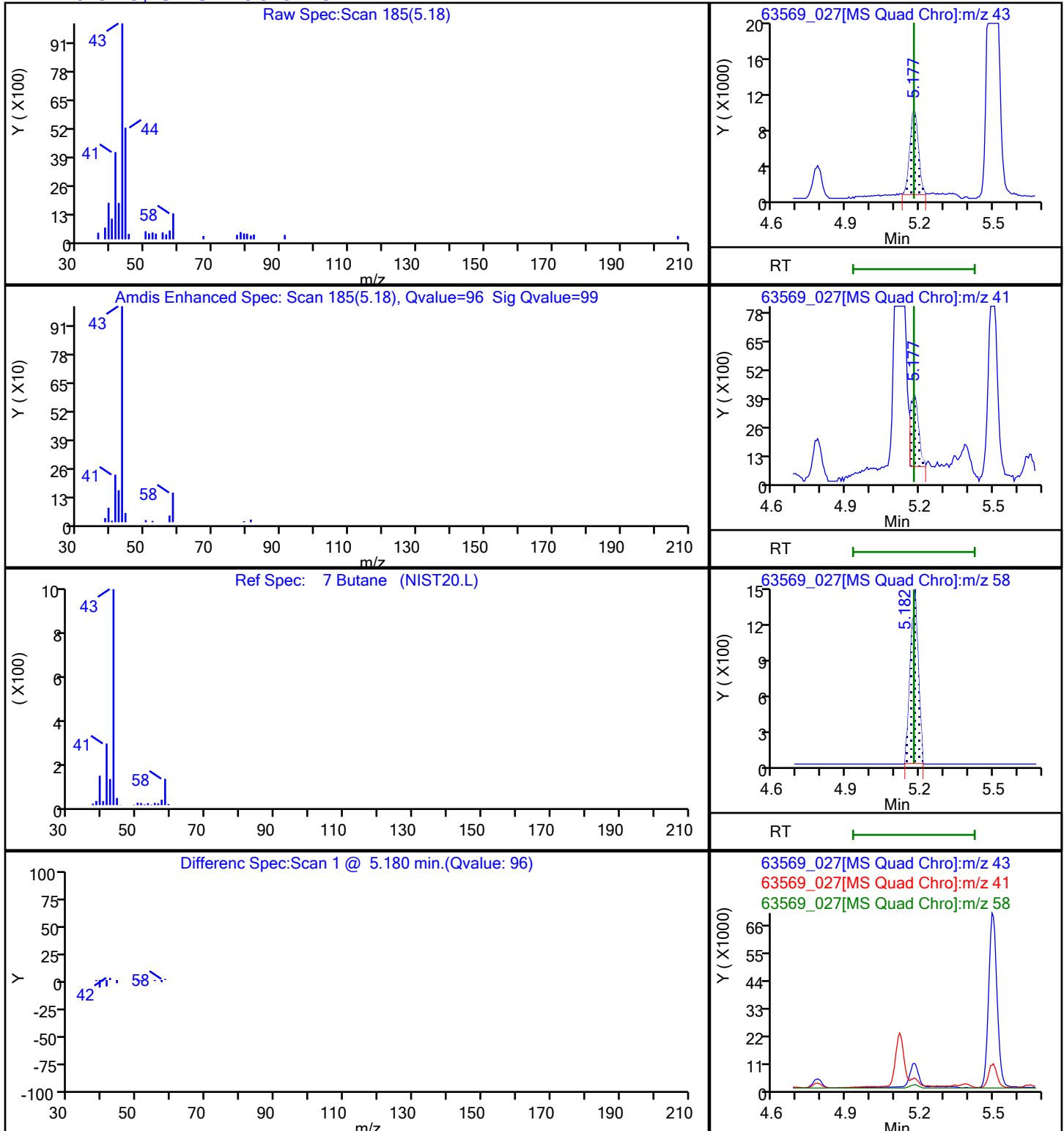
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

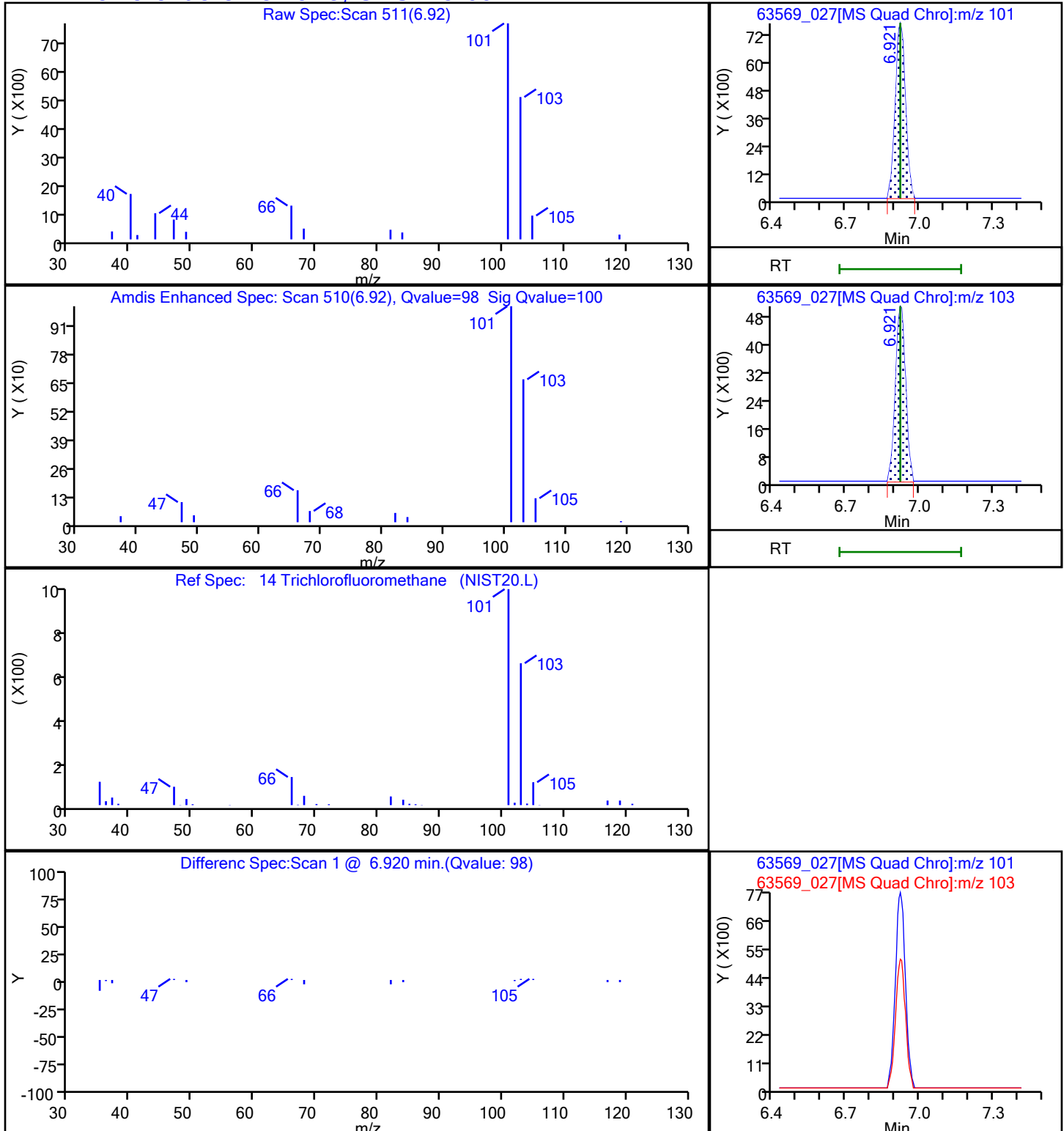
Dil. Factor: 1.0000

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\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

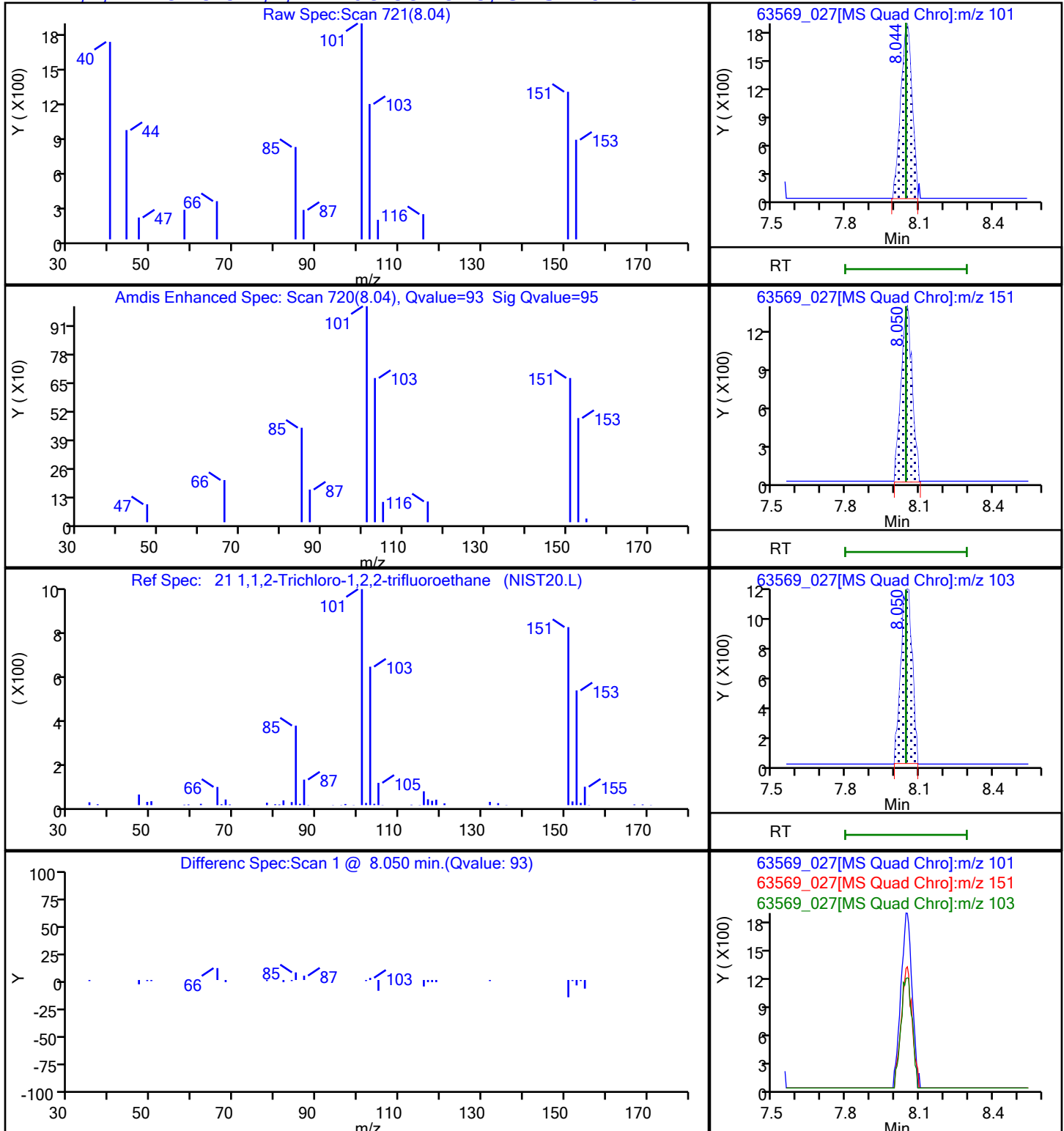
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

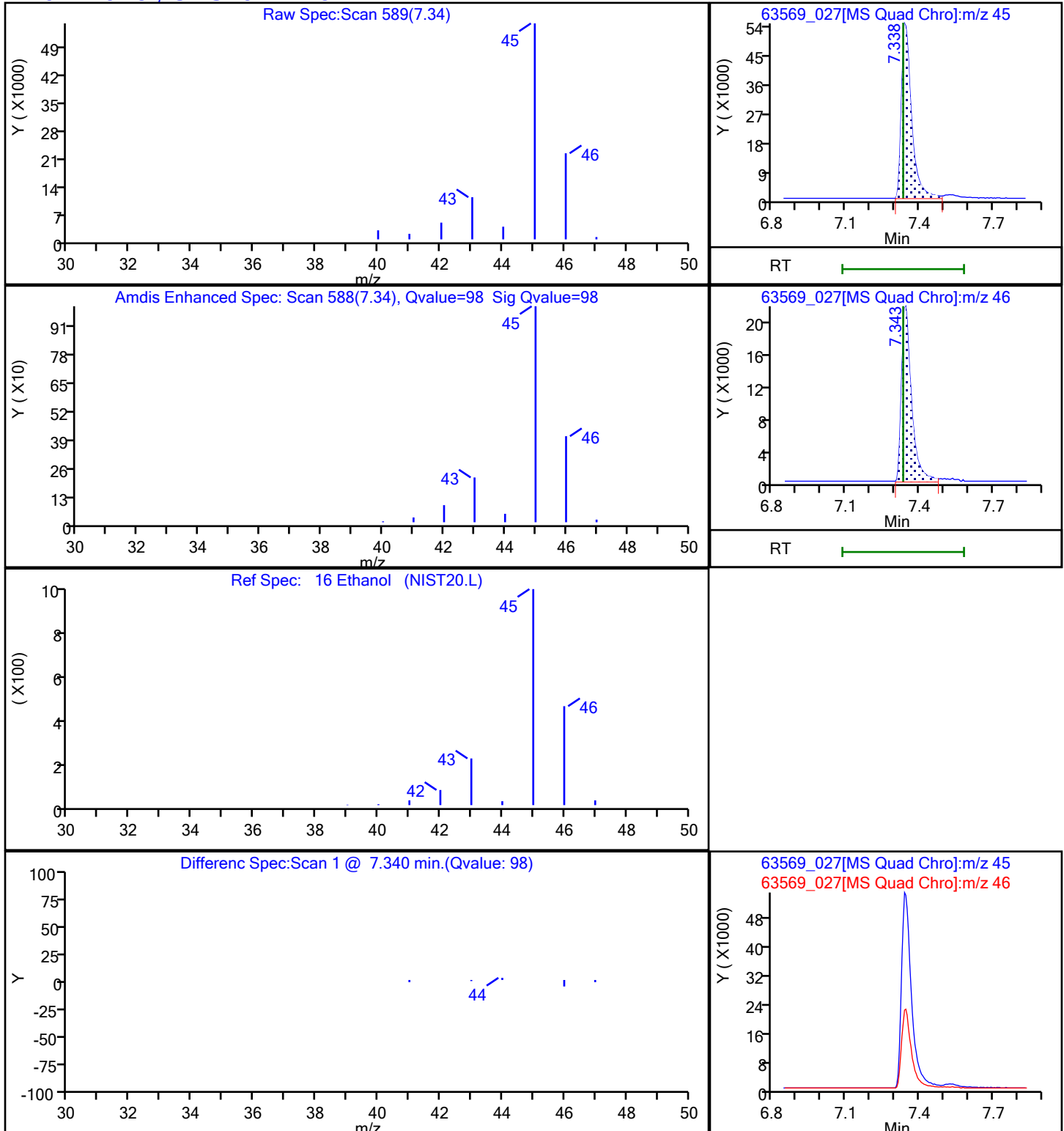
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Ethanol, CAS: 64-17-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

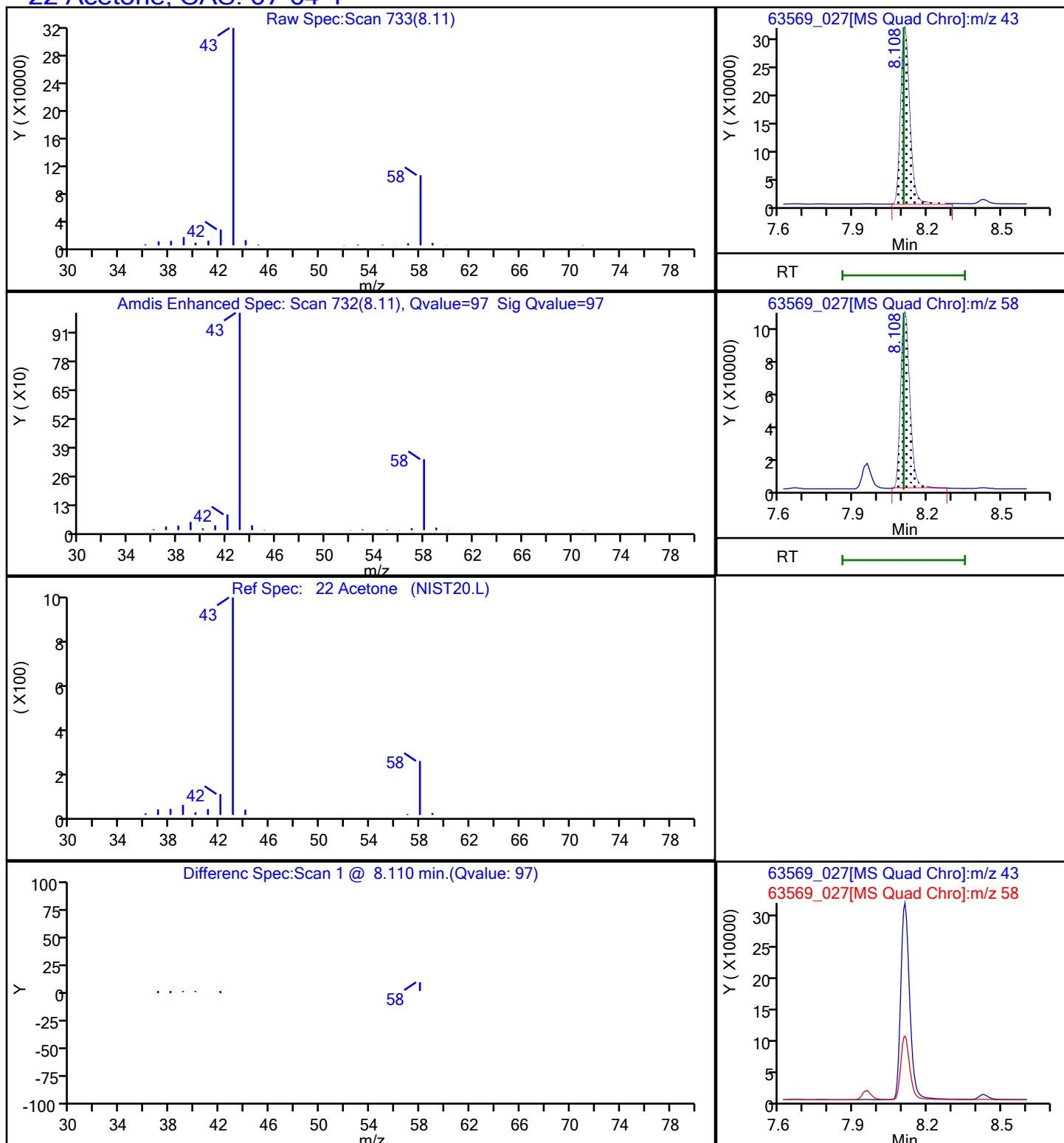
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

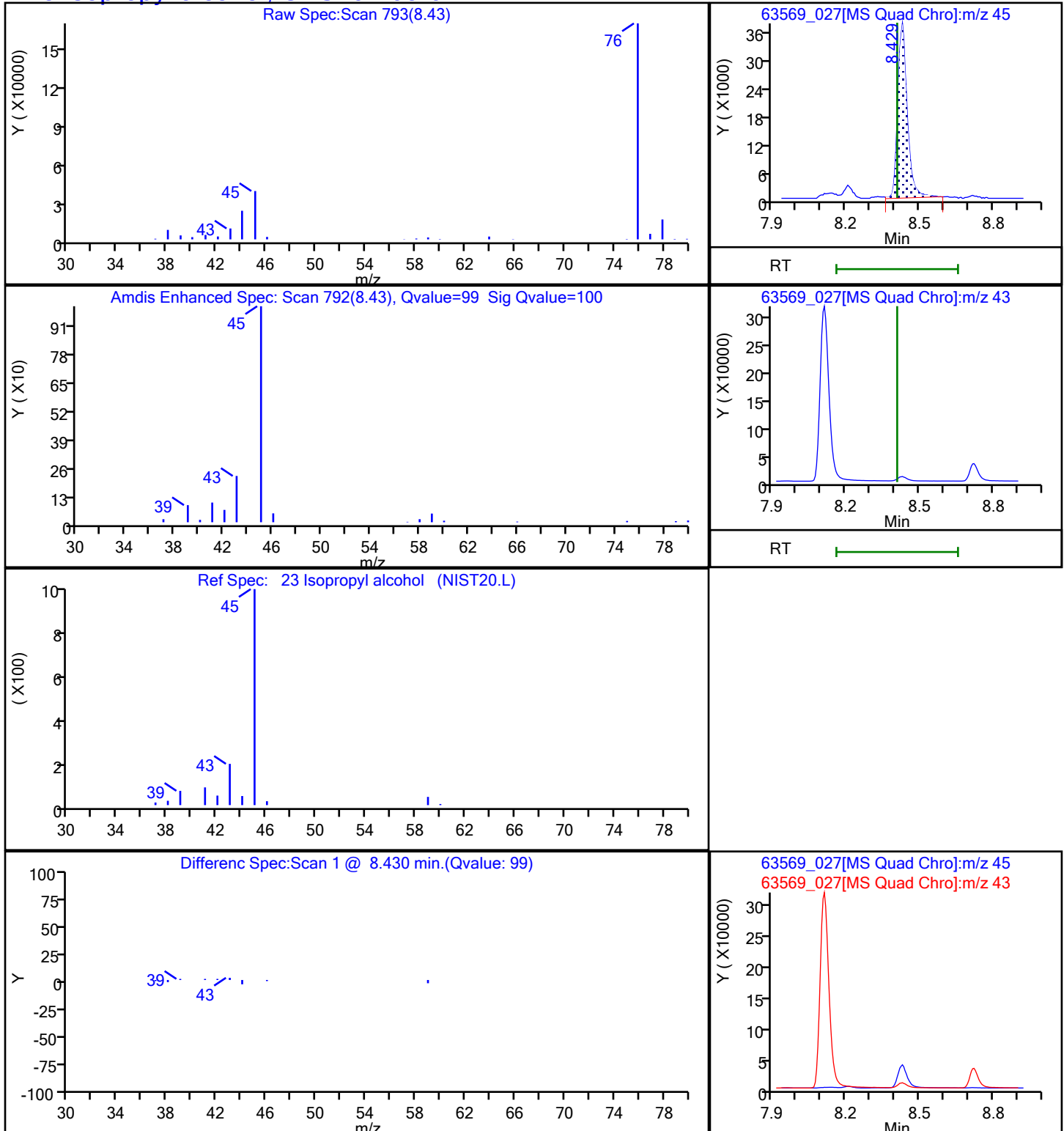
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

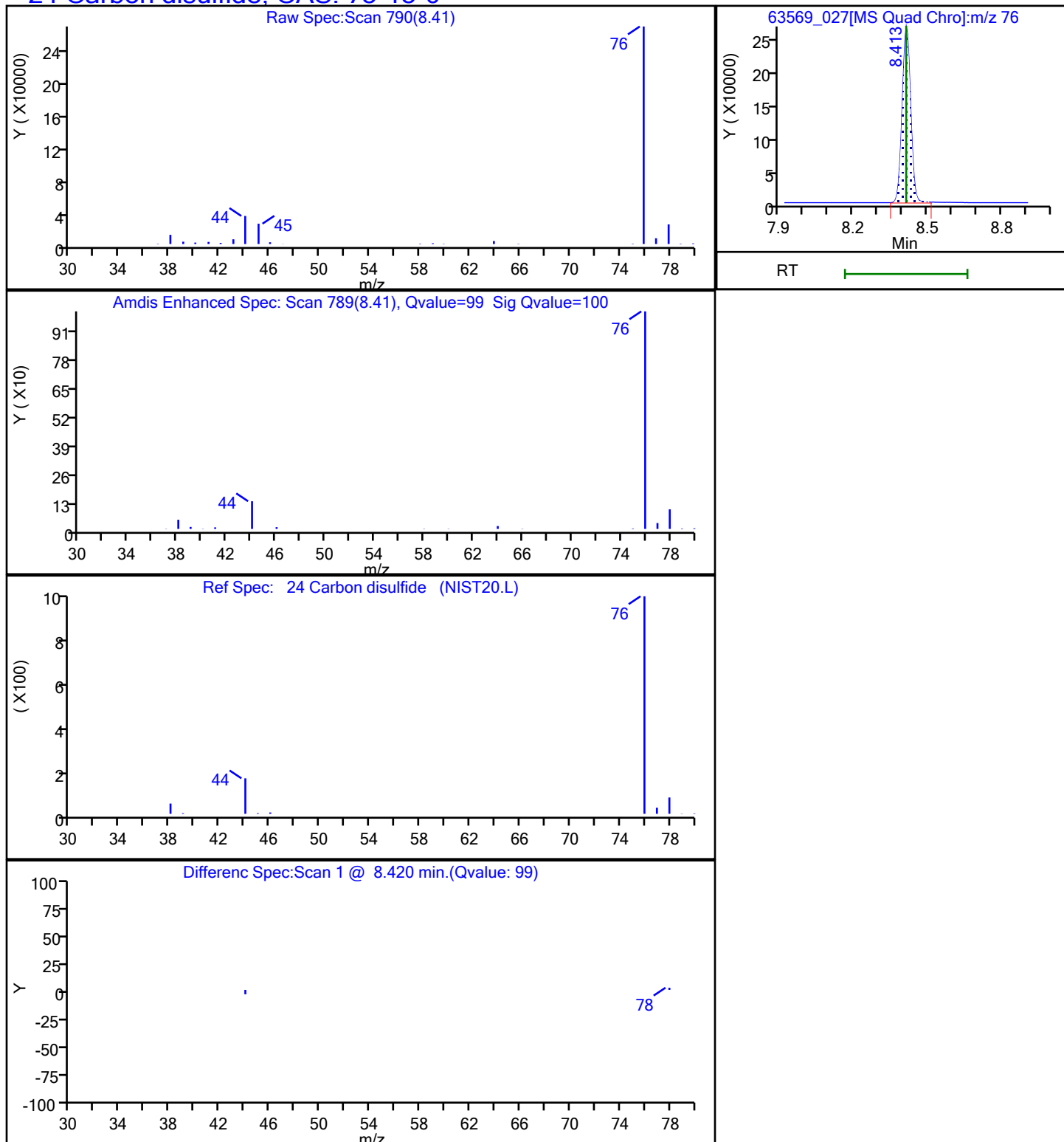
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

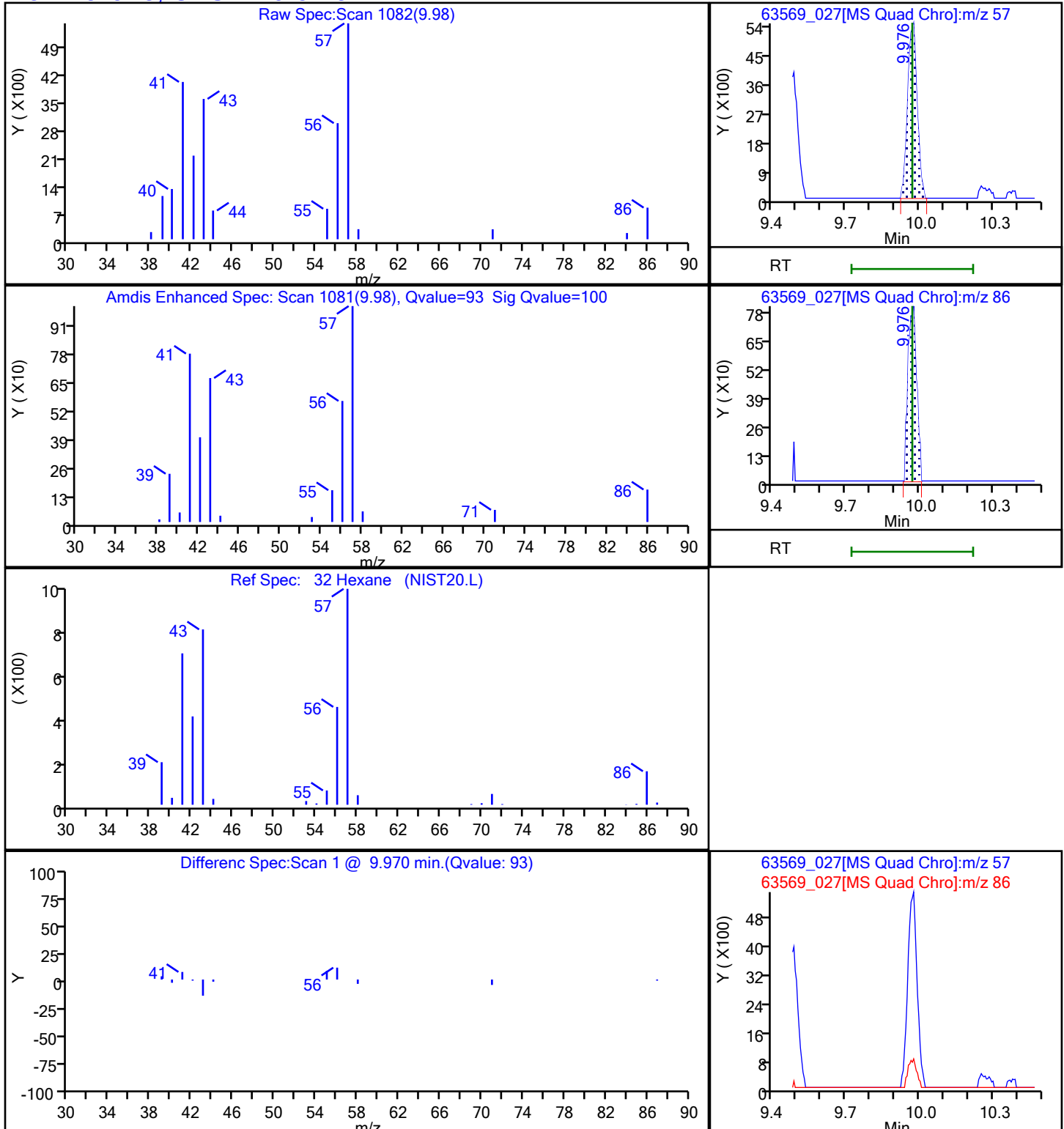
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

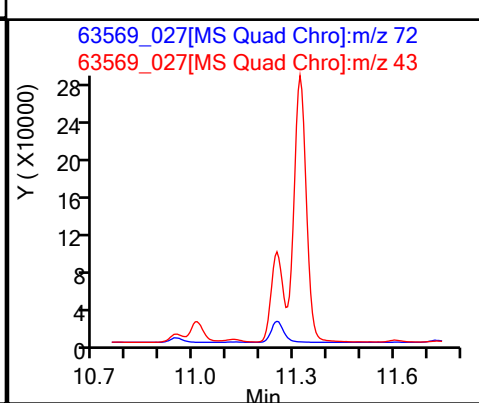
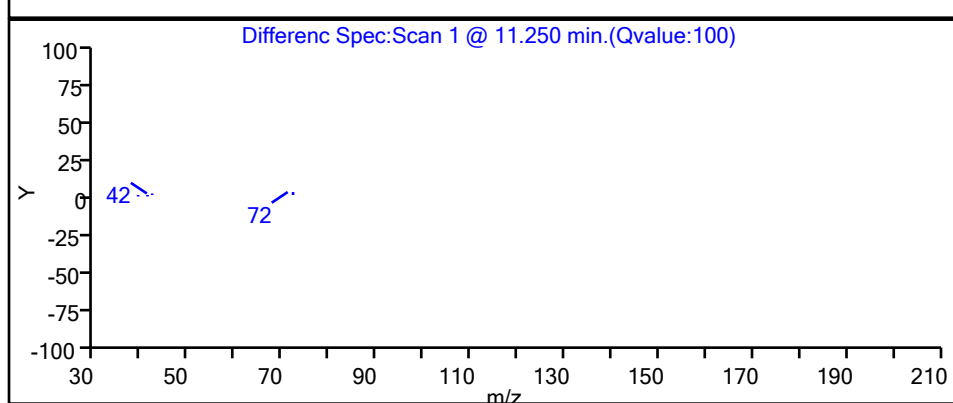
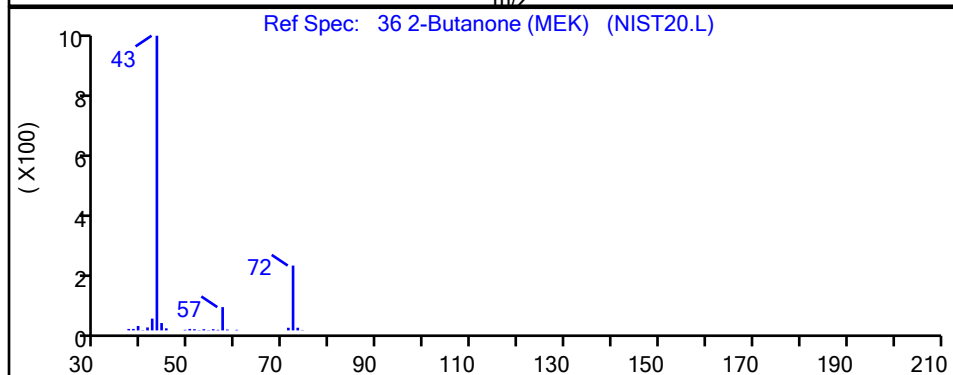
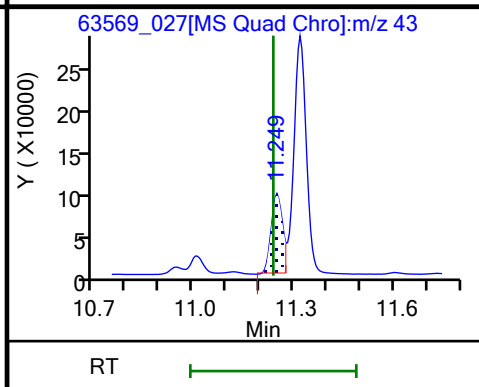
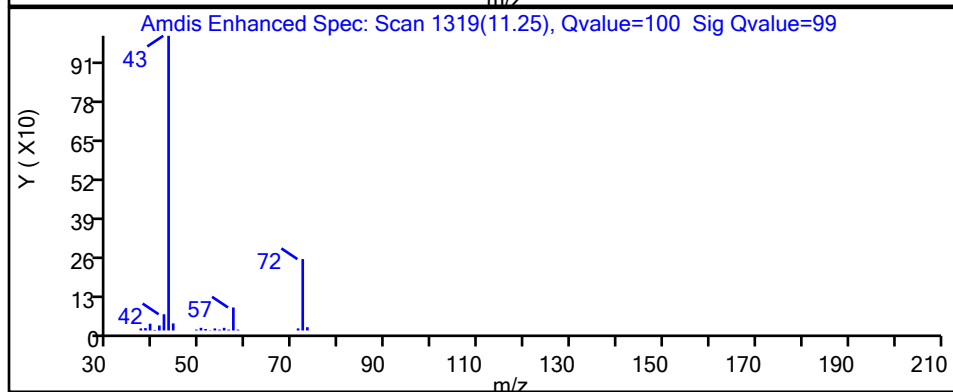
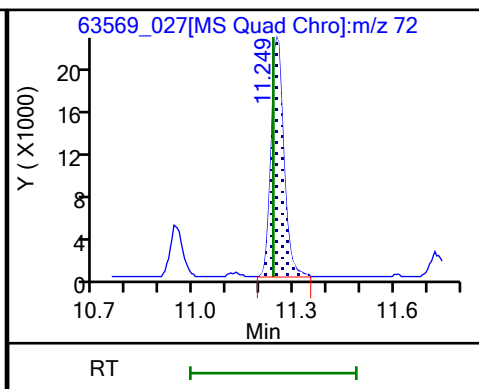
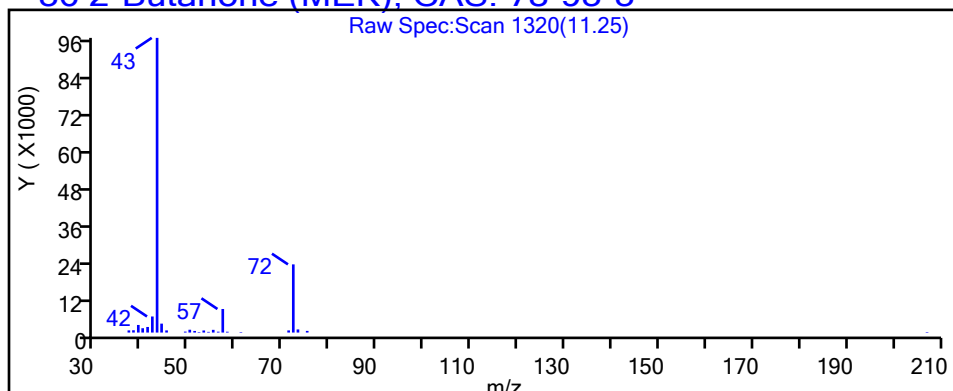
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

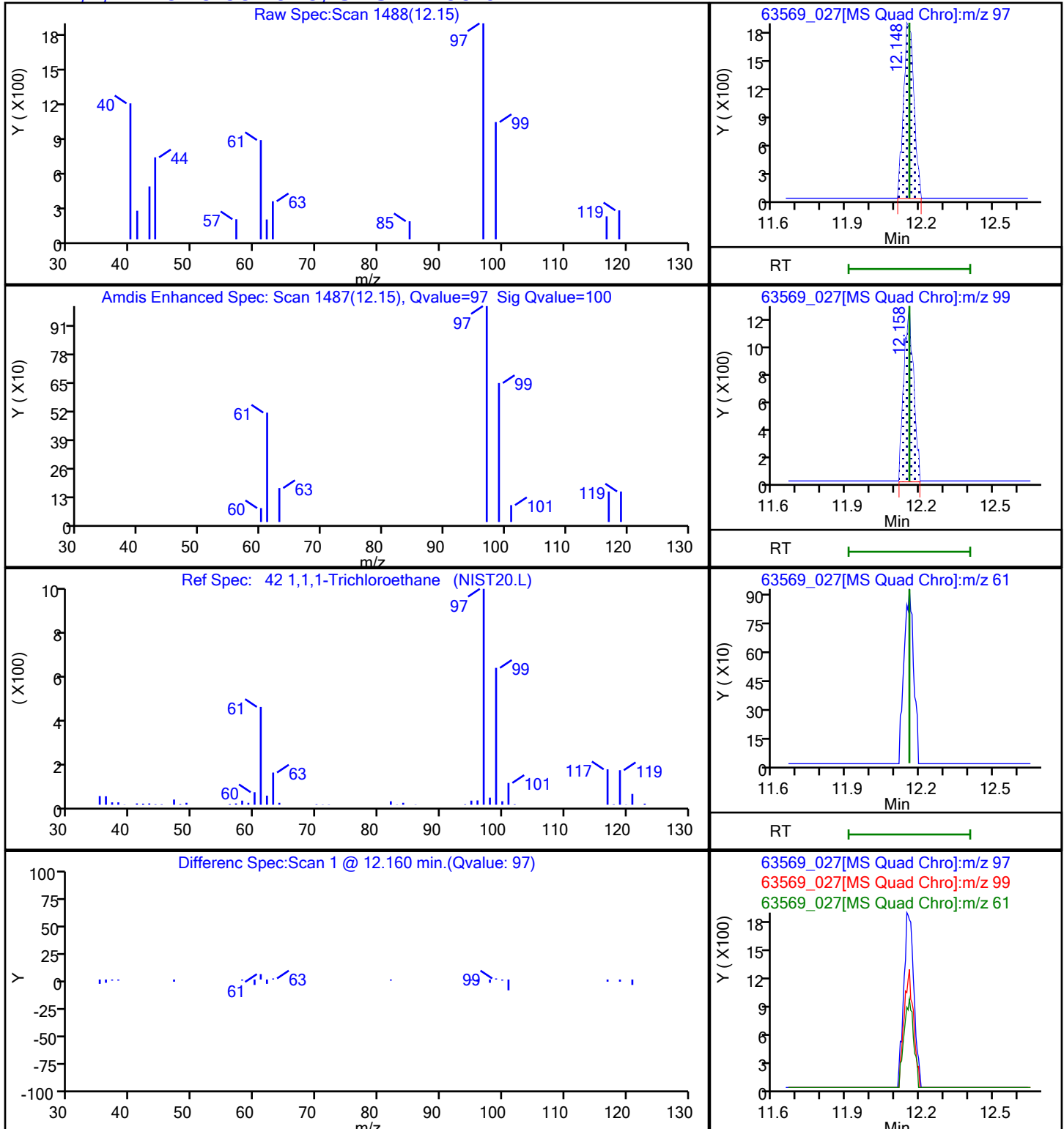
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

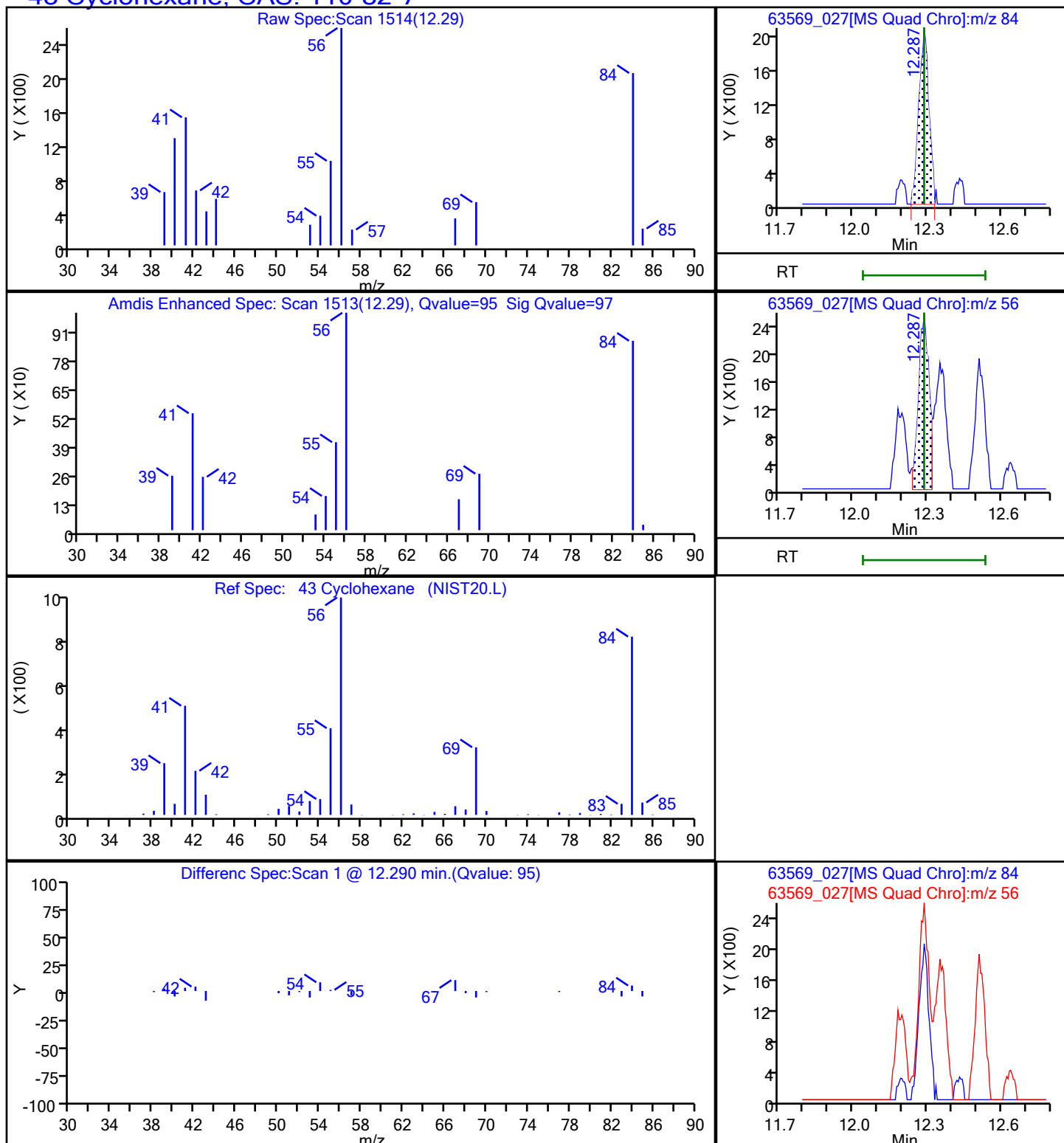
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

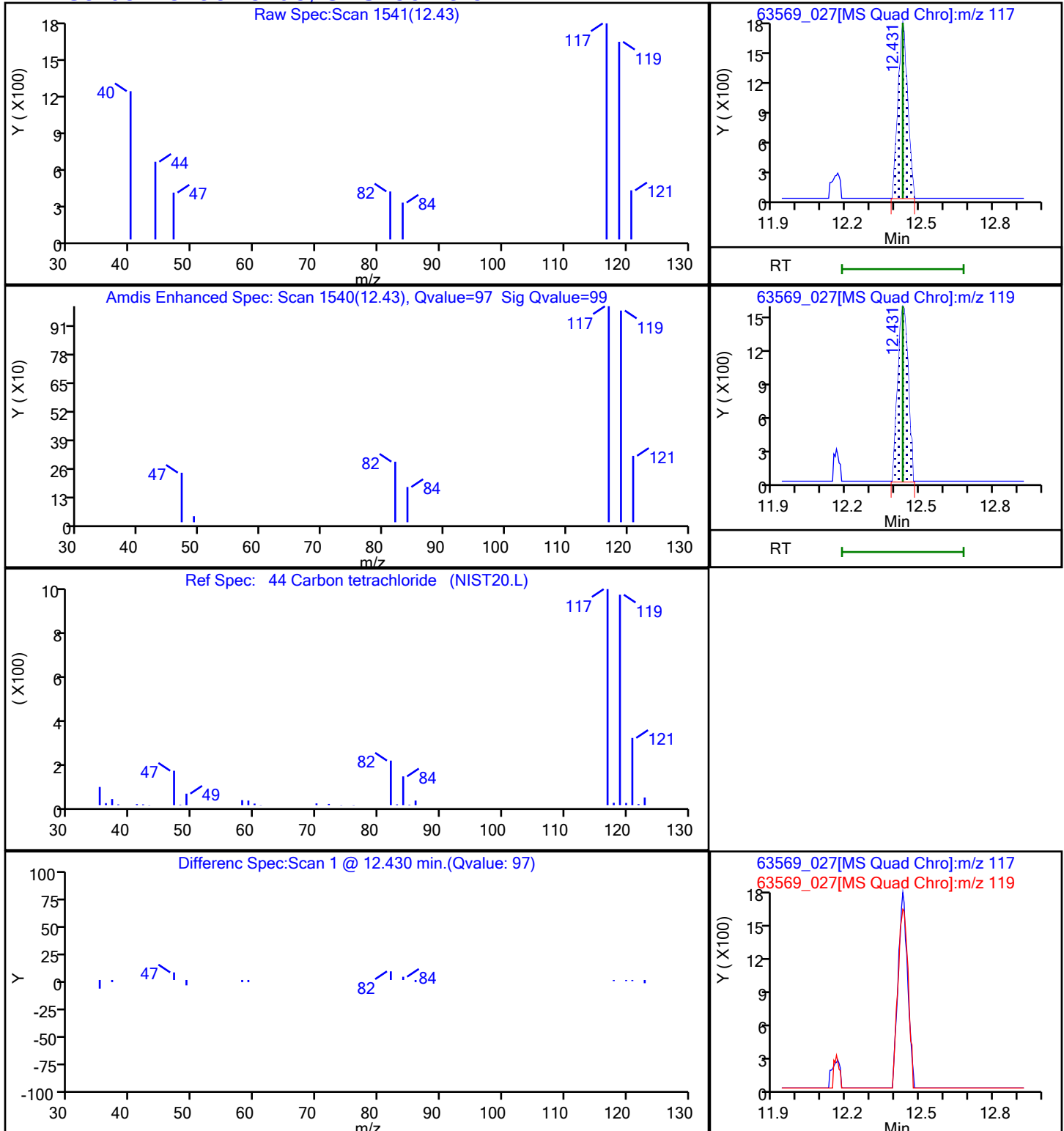
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

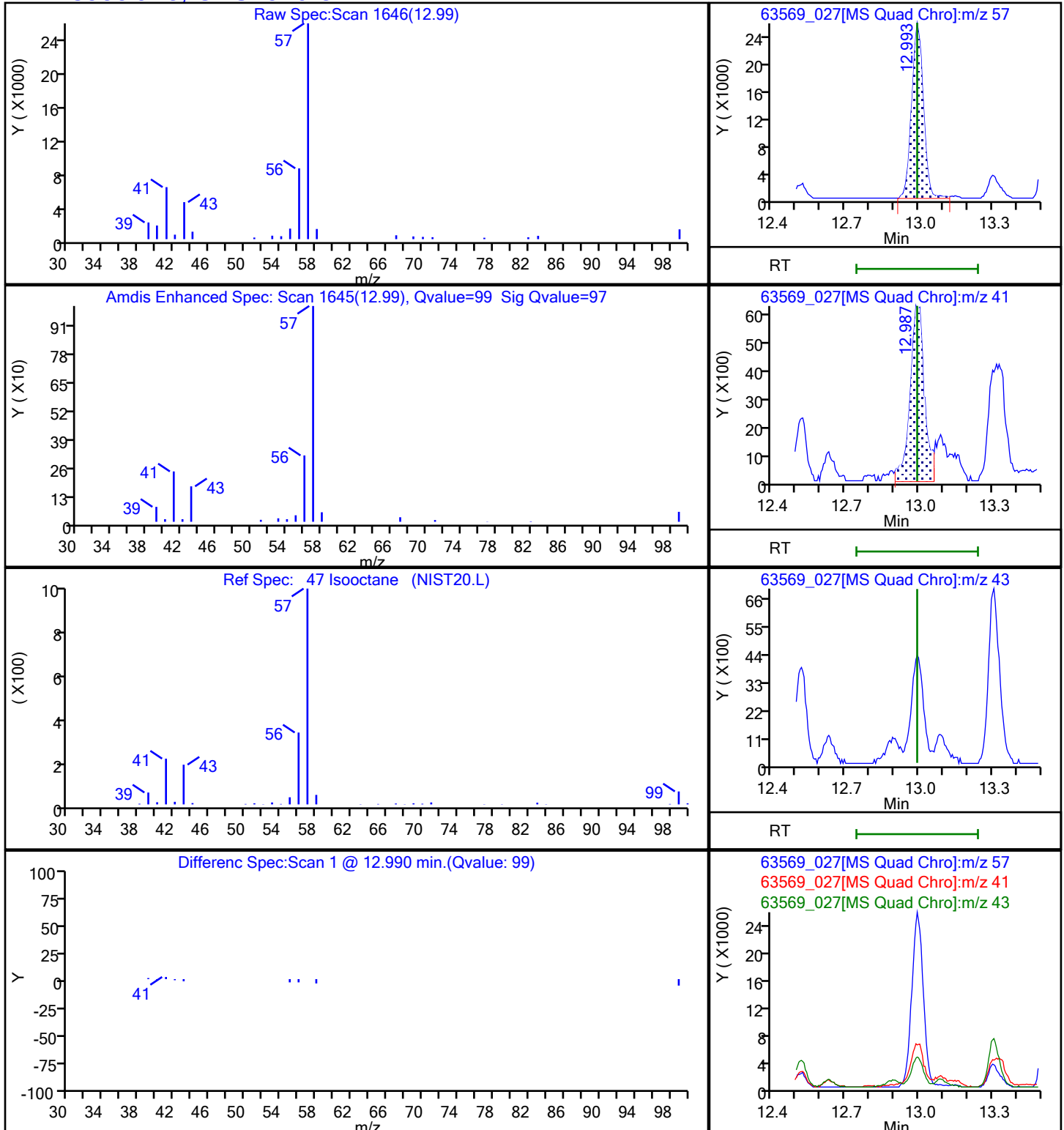
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

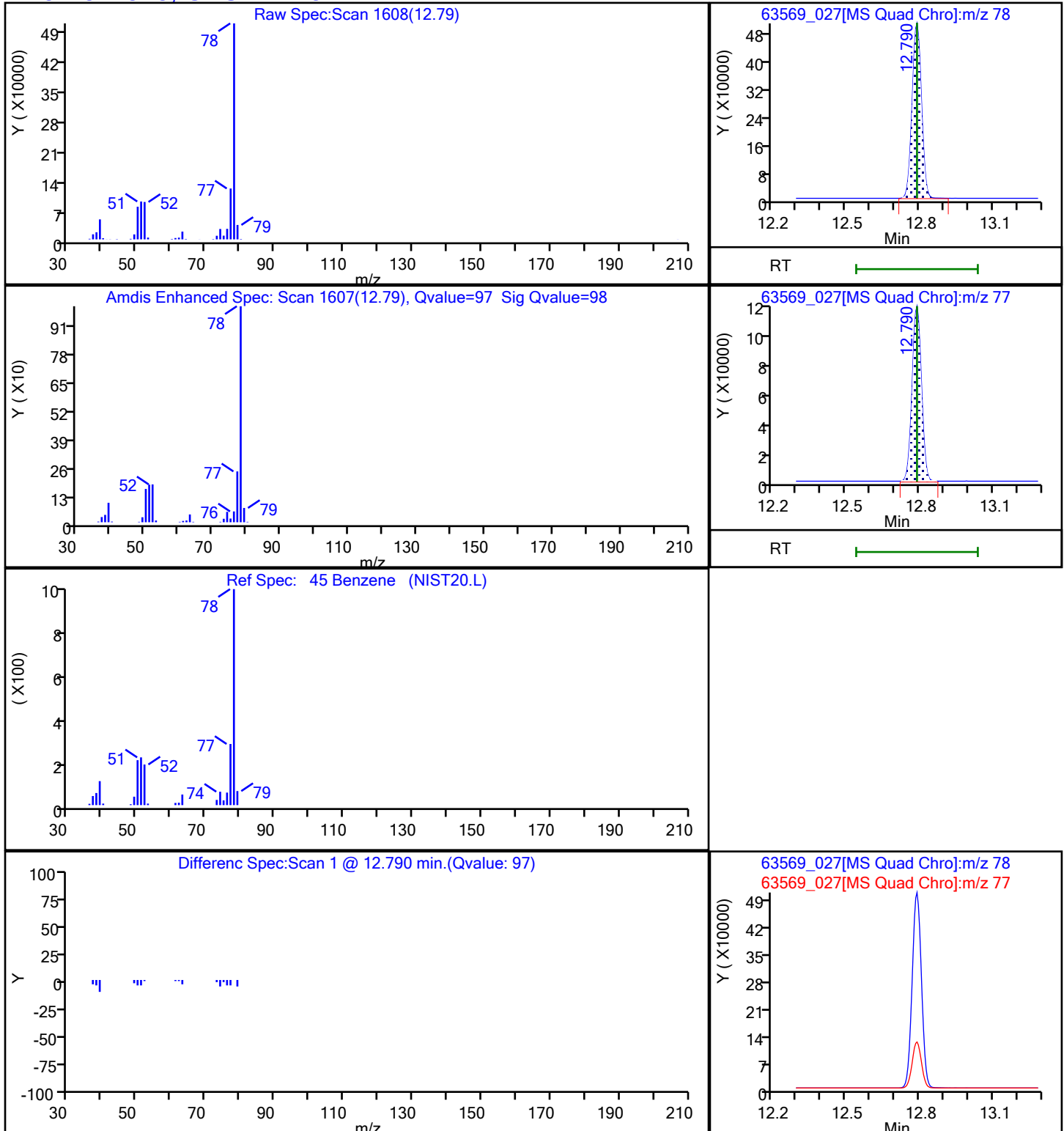
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

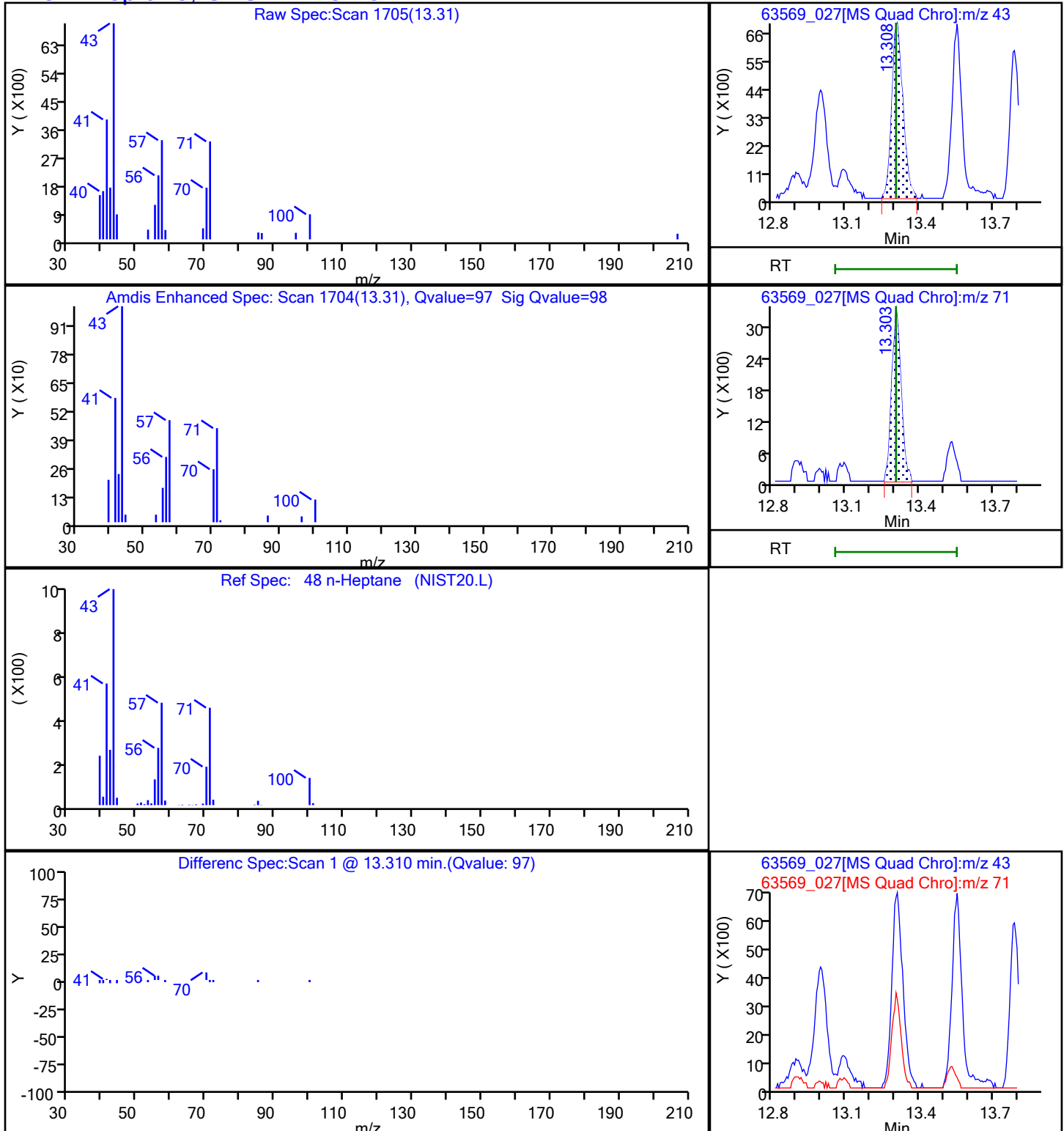
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

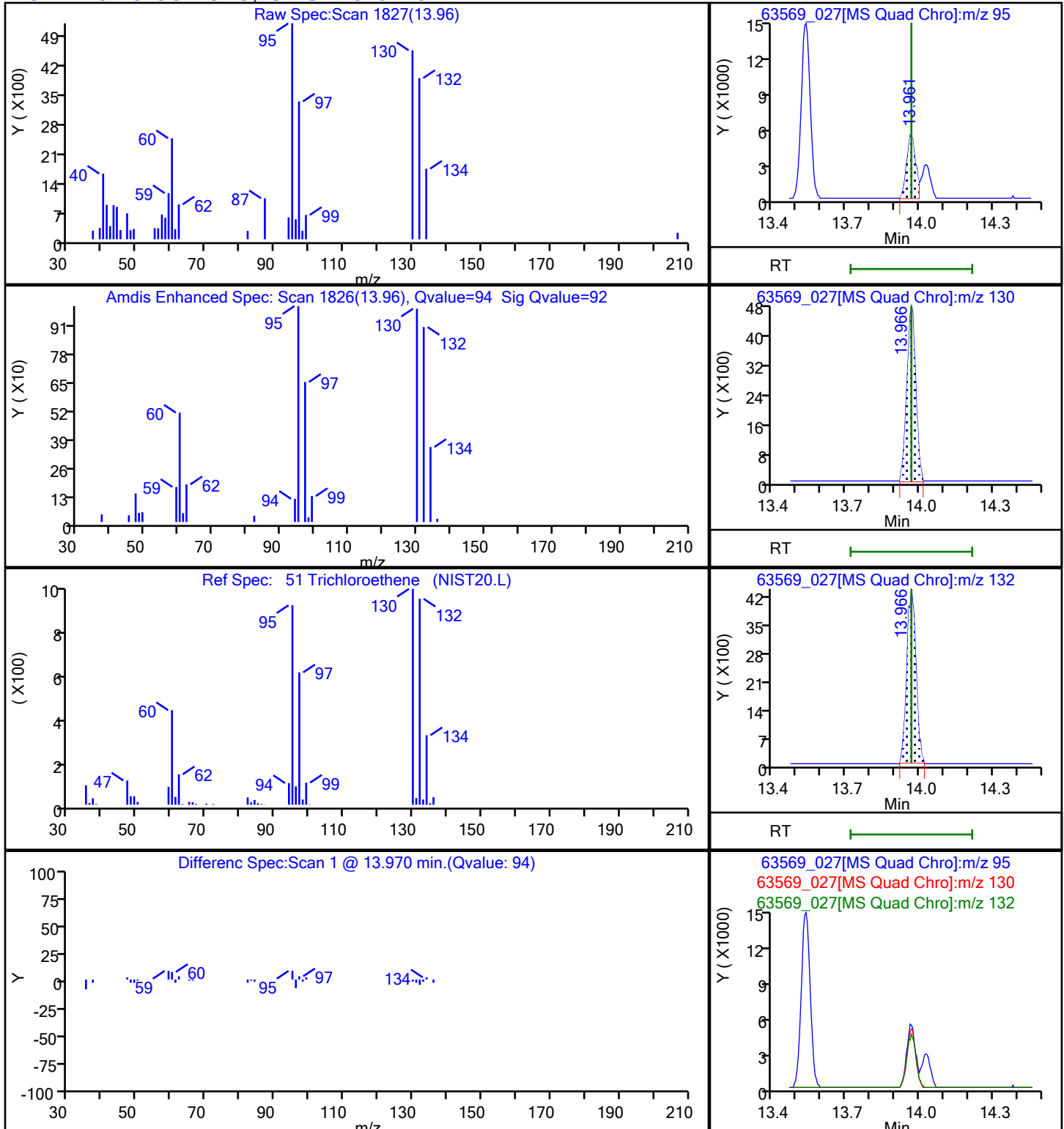
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

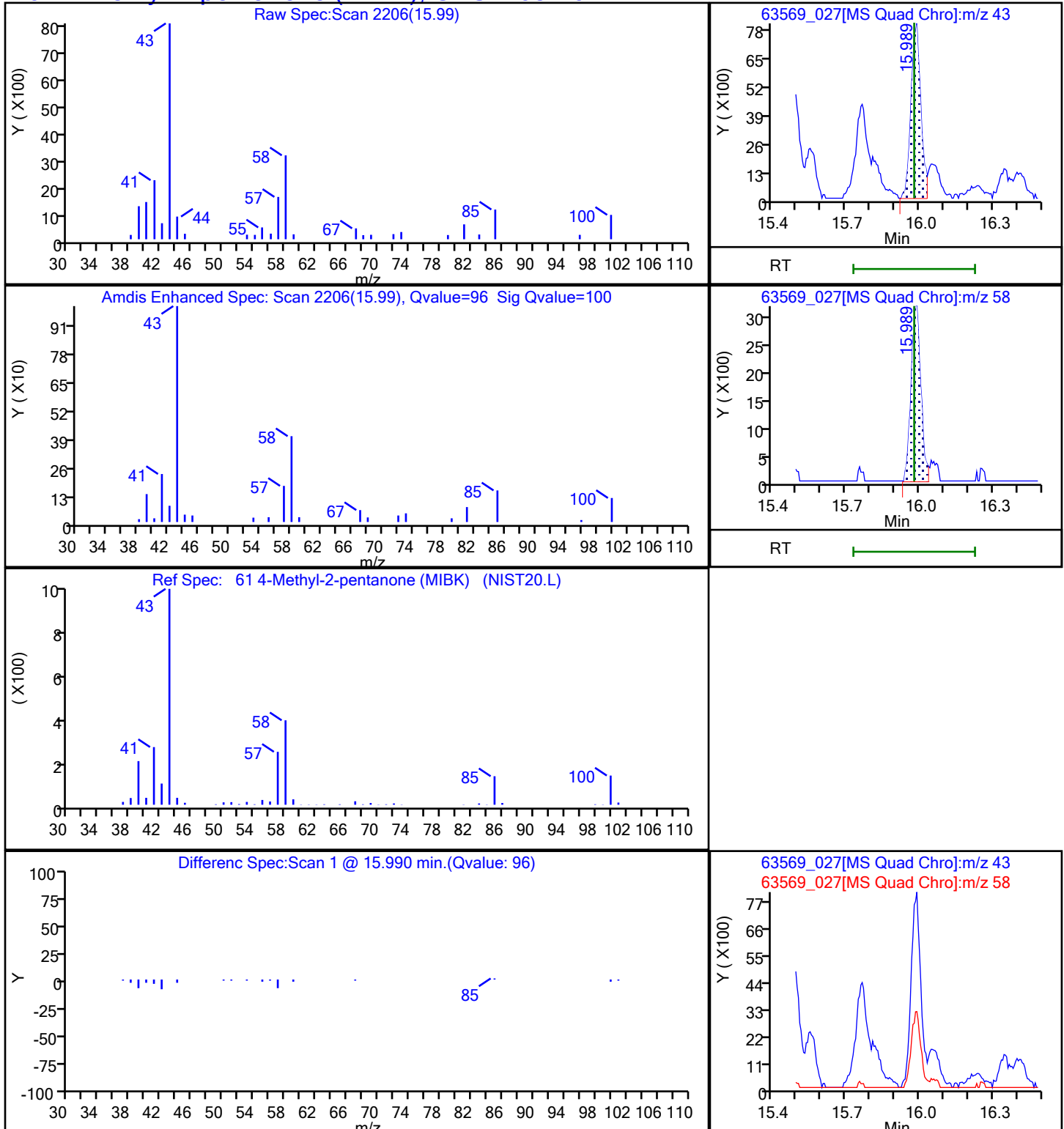
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

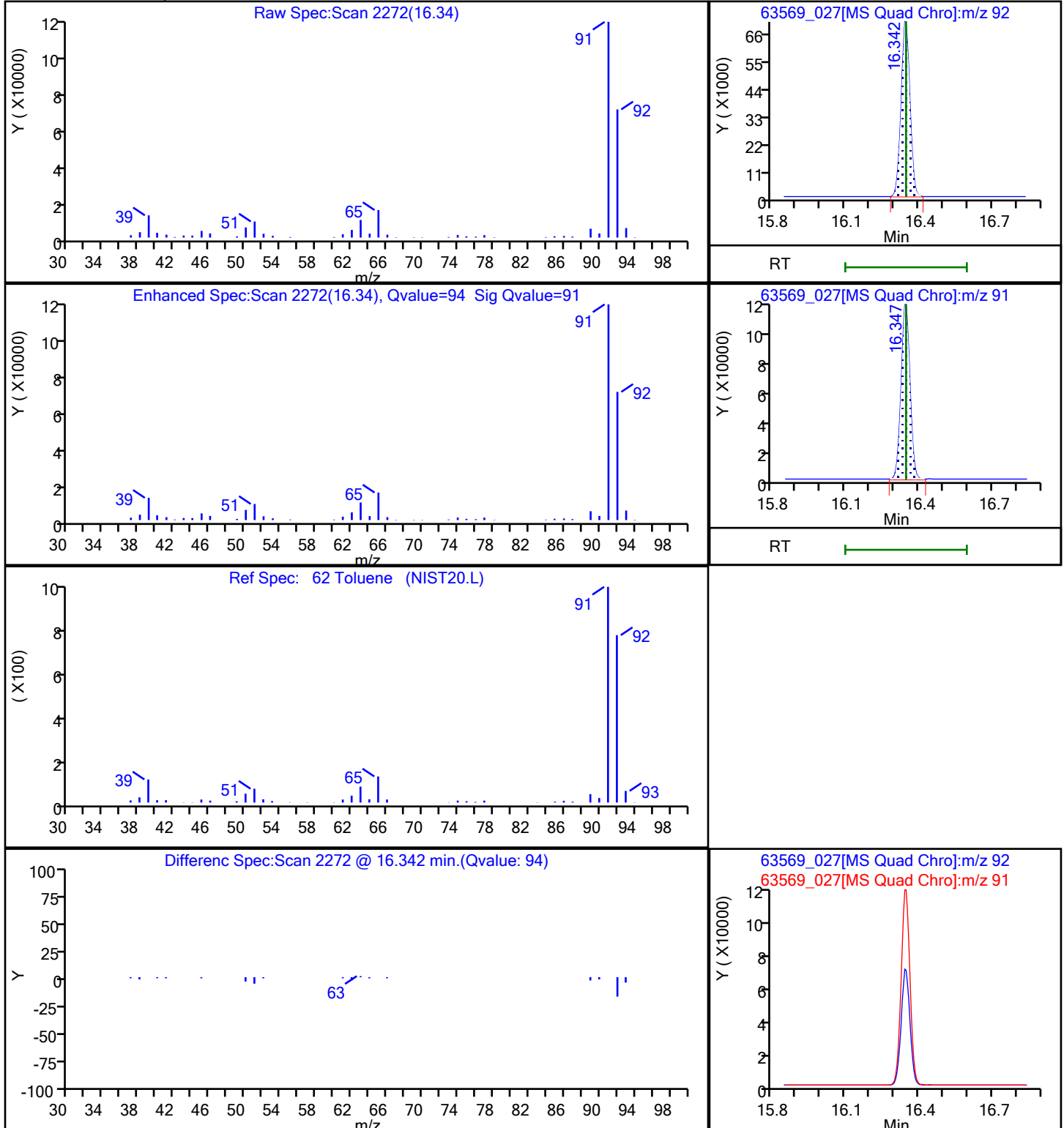
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

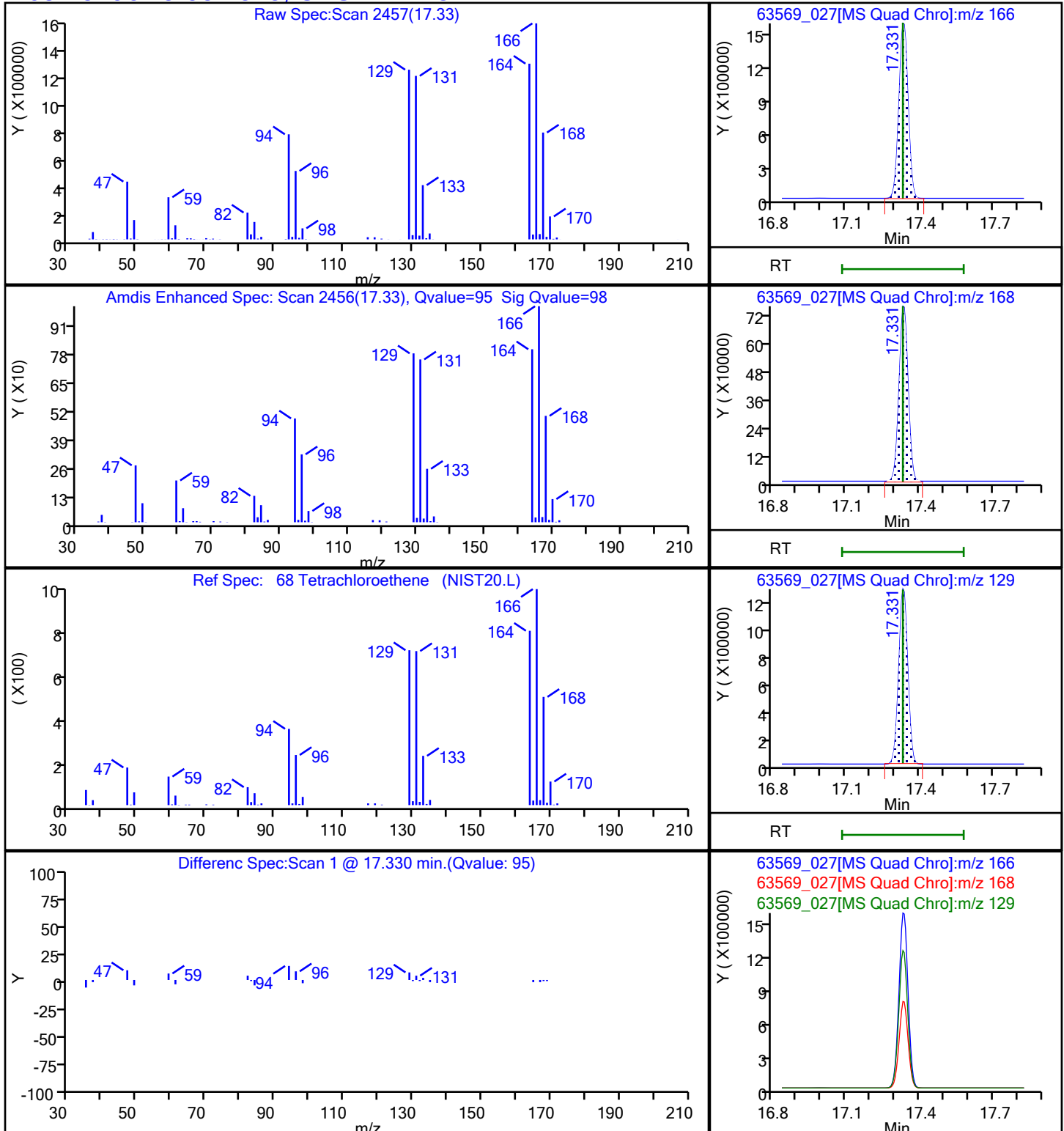
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

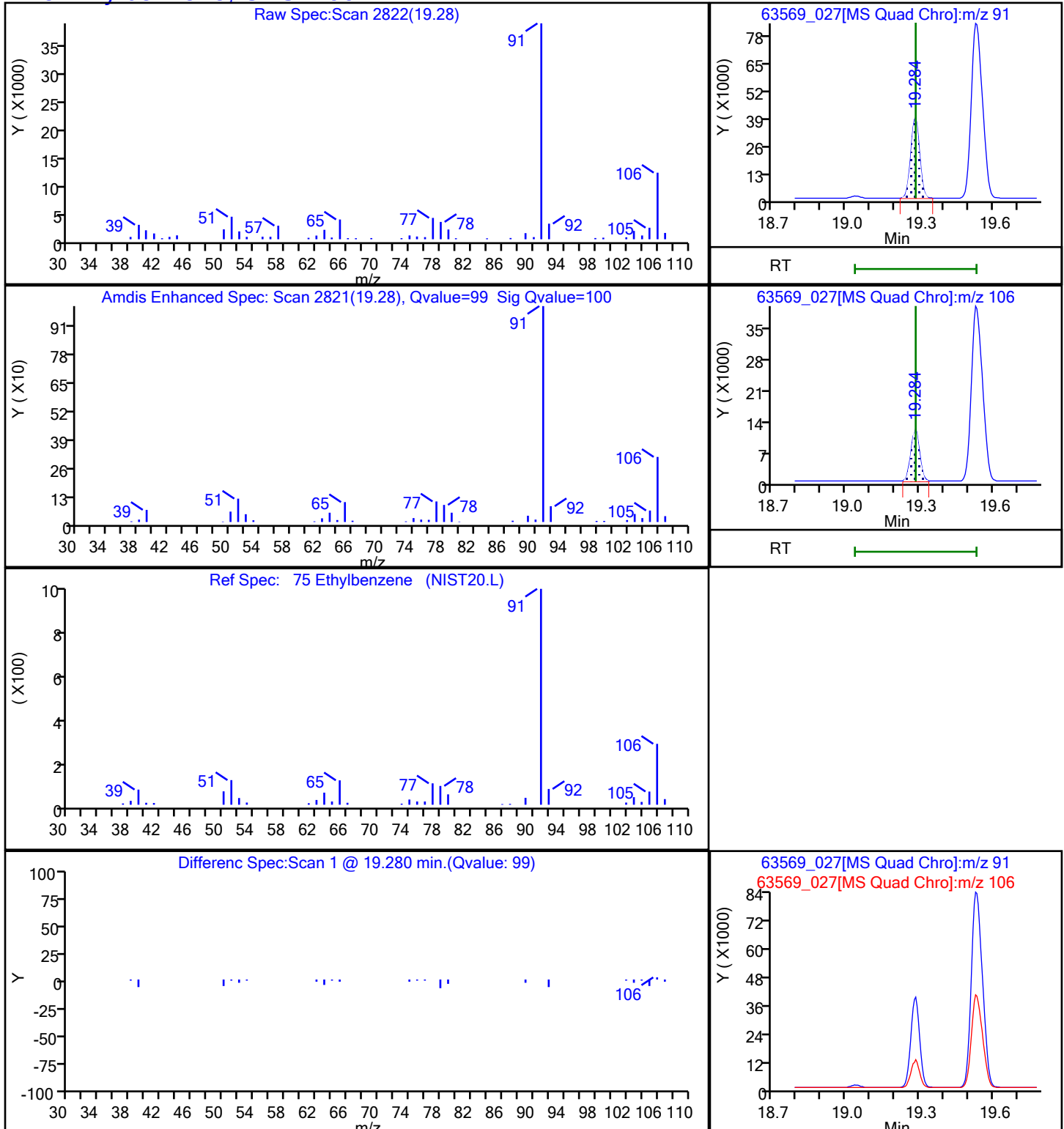
Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

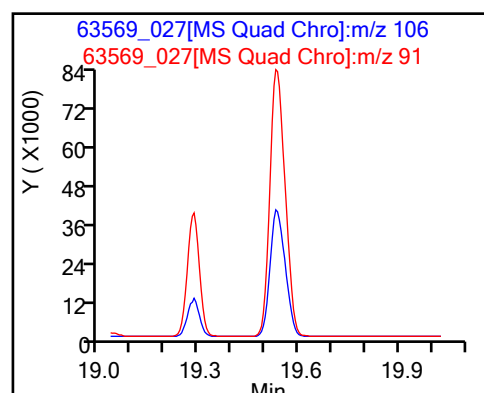
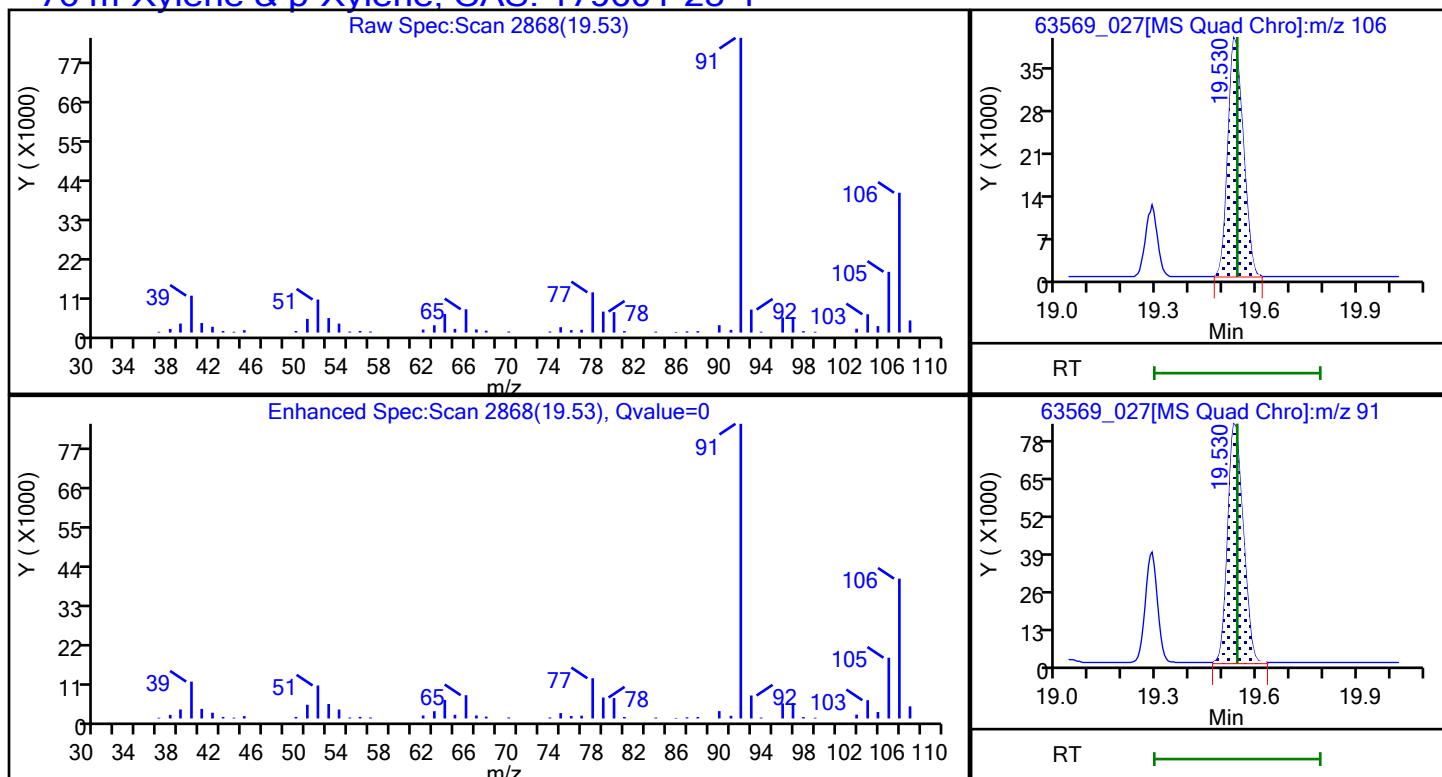
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

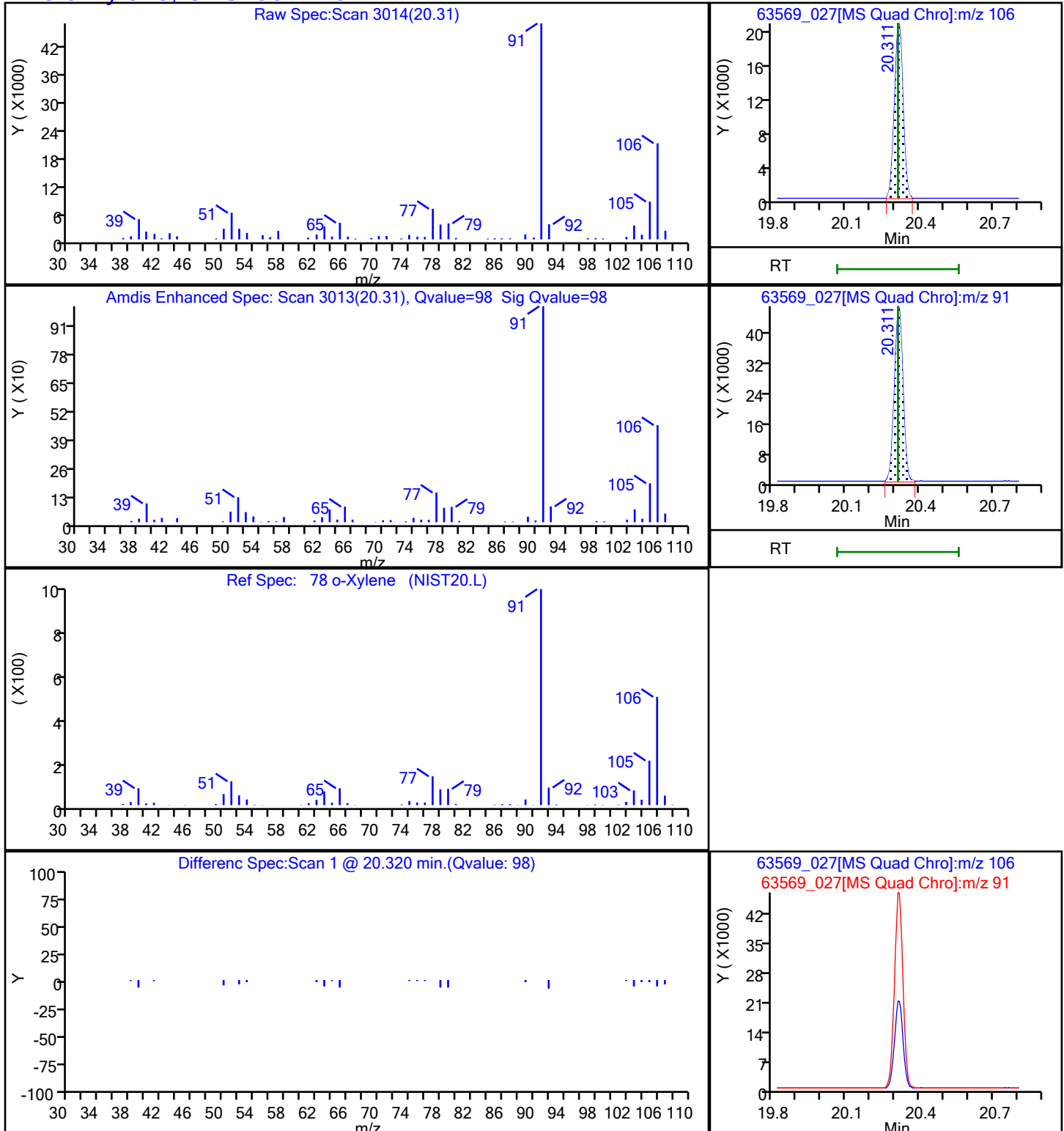
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

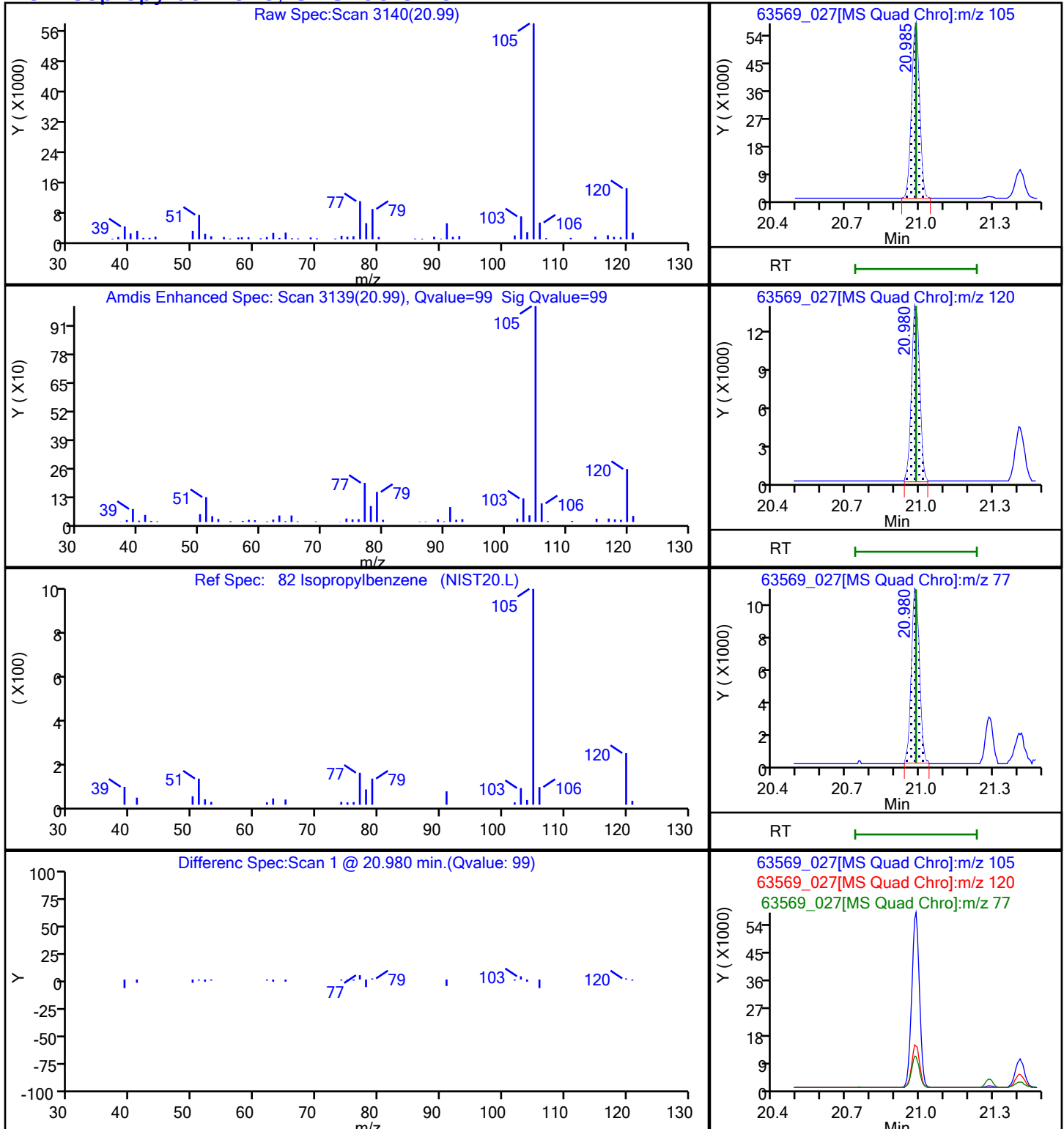
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

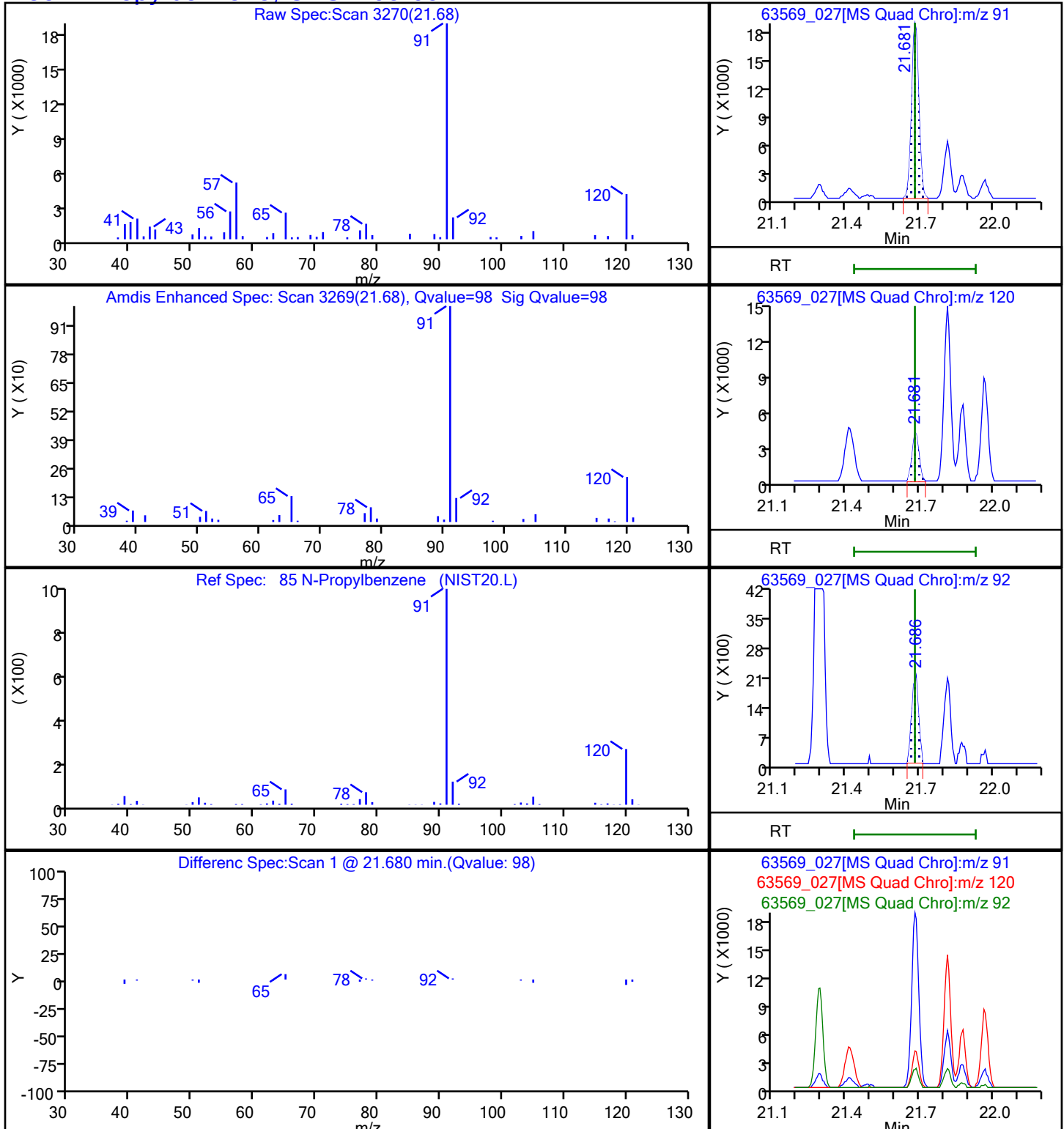
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

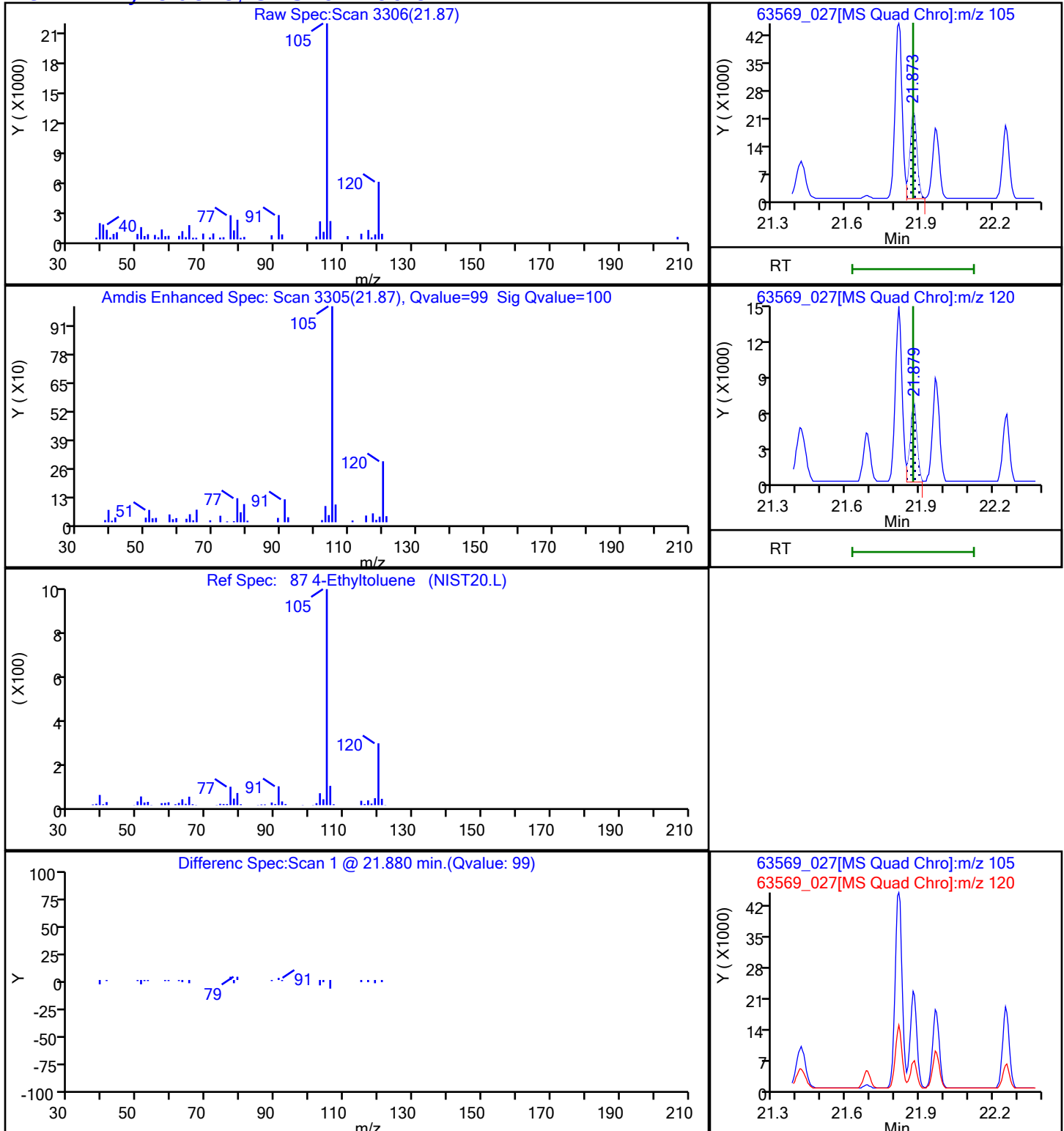
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

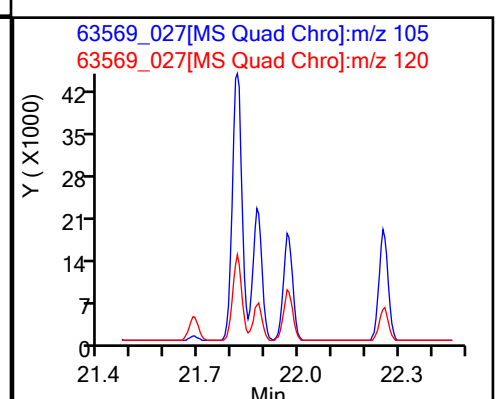
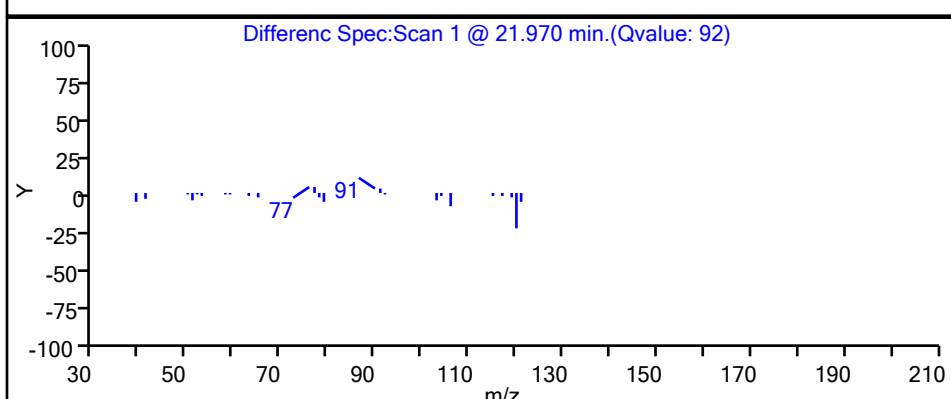
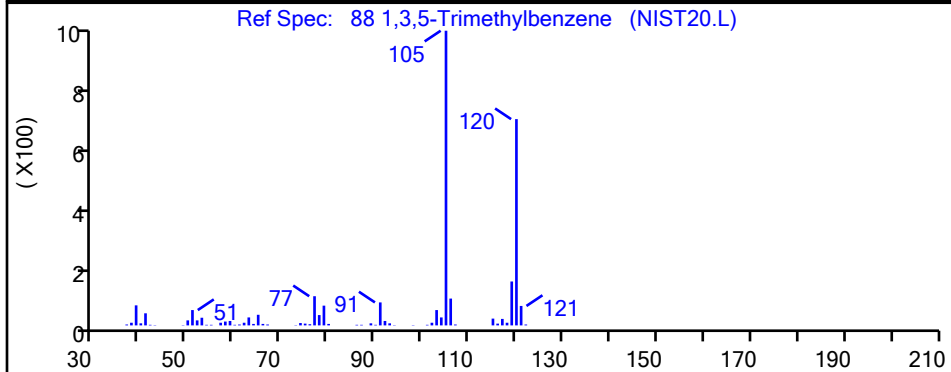
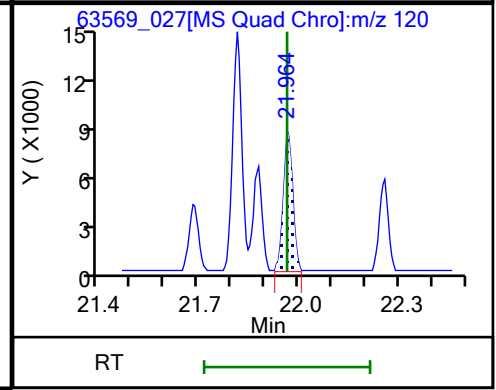
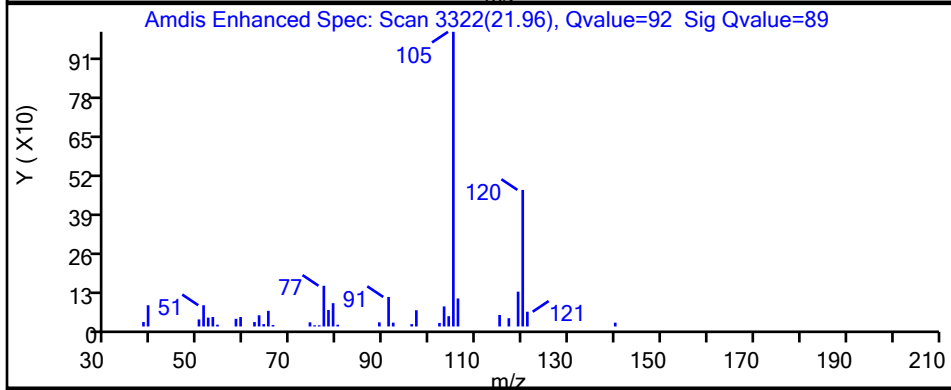
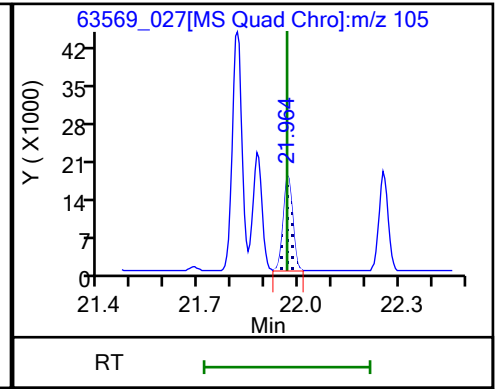
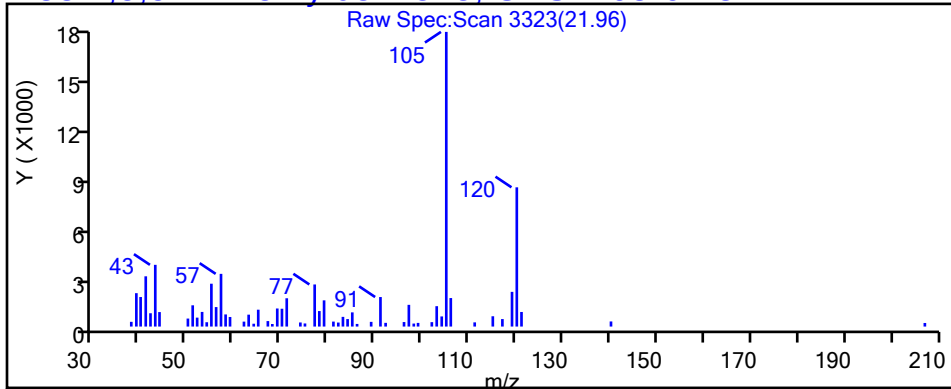
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

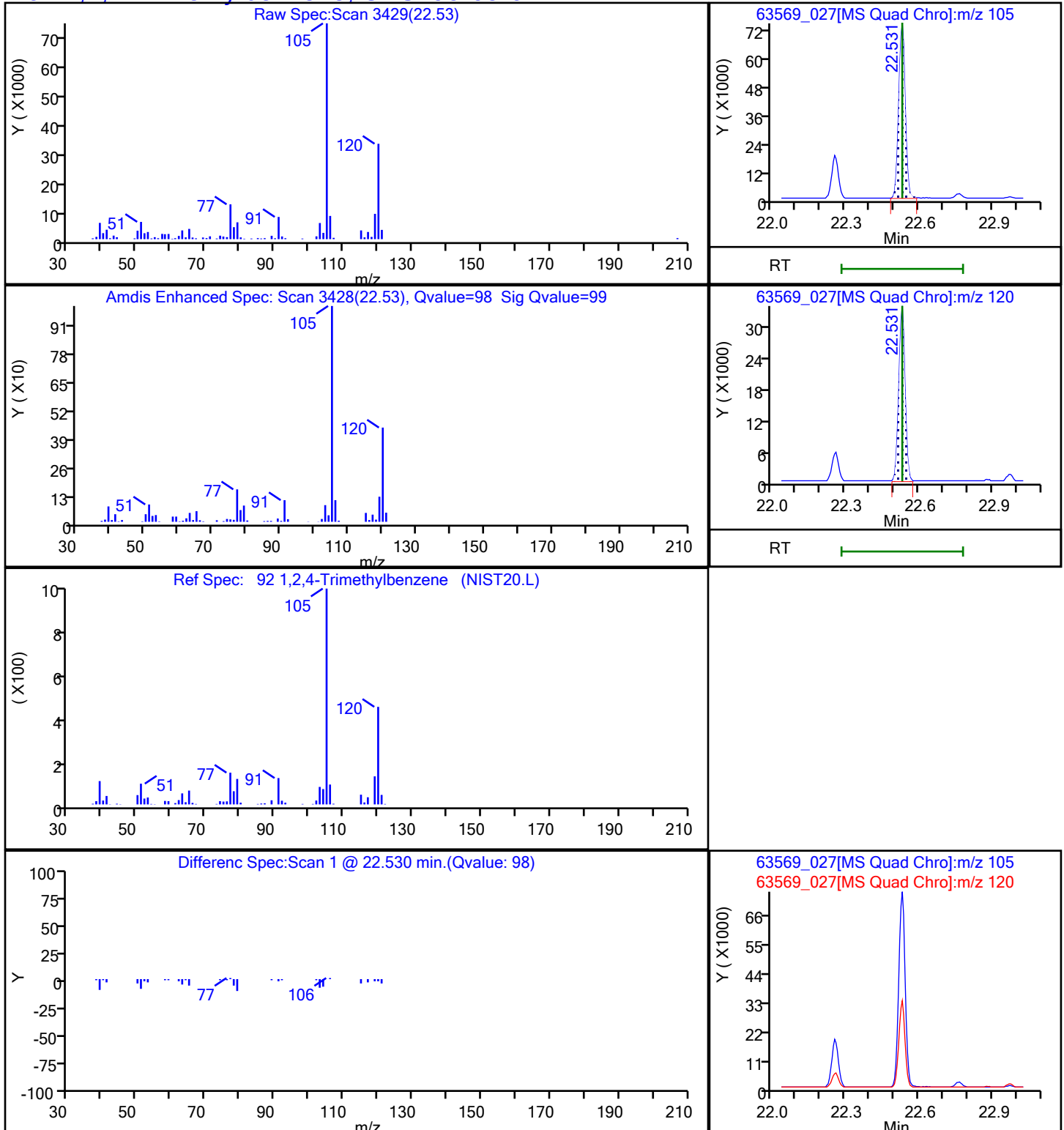
Dil. Factor: 1.0000

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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 200.000 mL

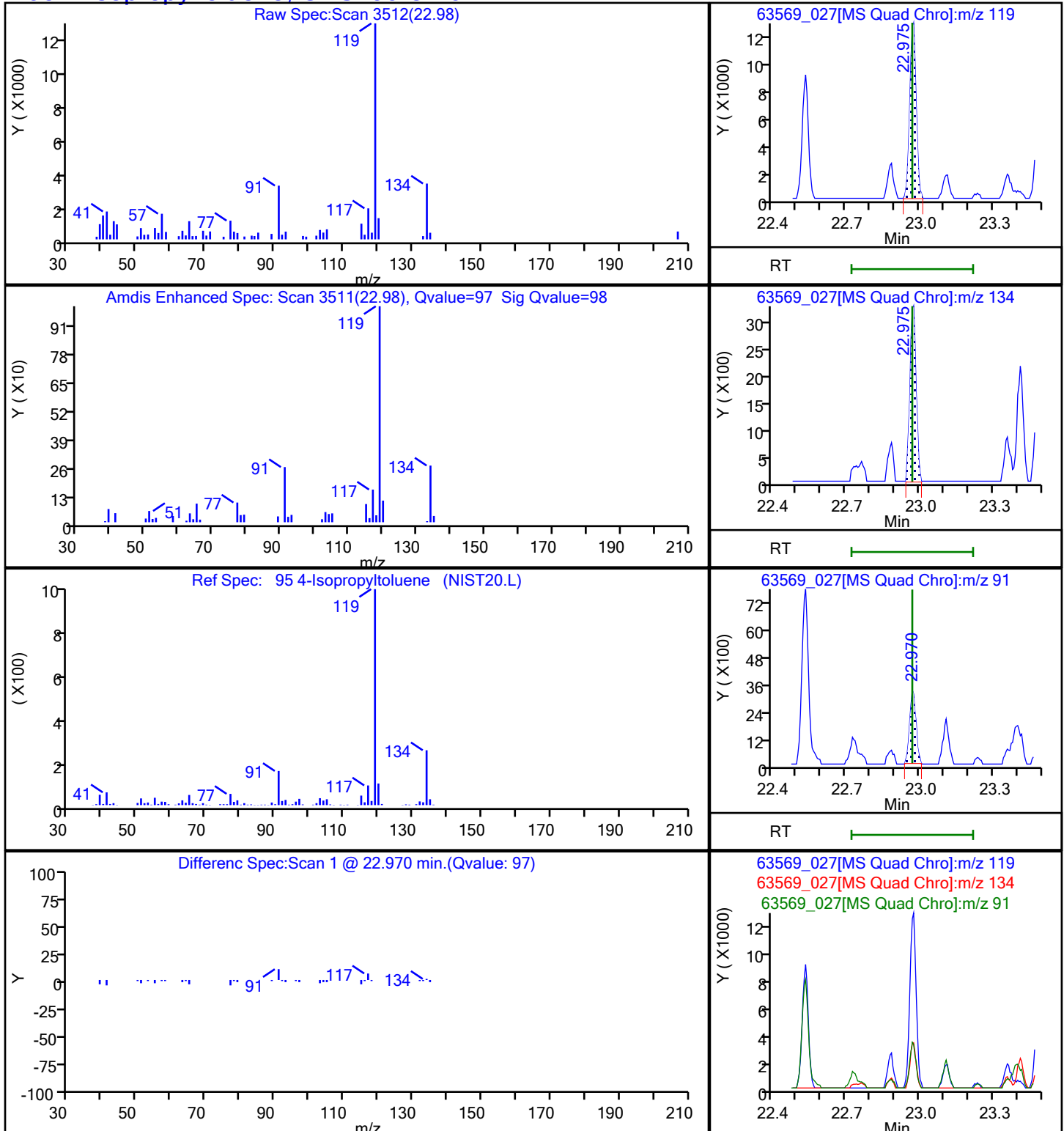
Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

95 4-Isopropyltoluene, CAS: 99-87-6

Eurofins Burlington

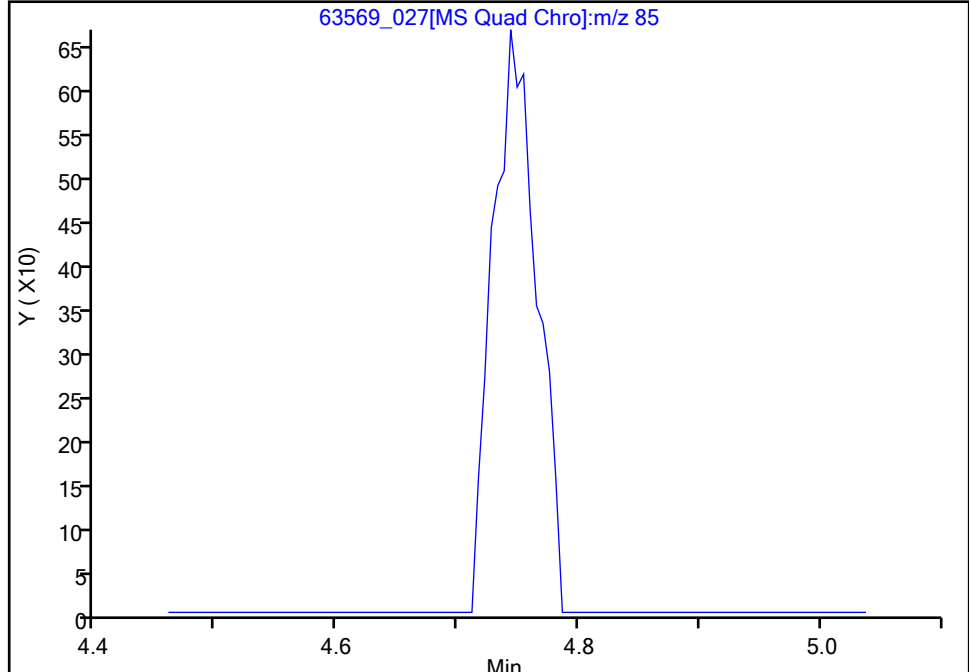
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D
Injection Date: 04-Jan-2025 05:36:54 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 DU Lab Sample ID: 200-76392-5
Client ID:
Operator ID: vtp ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: 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

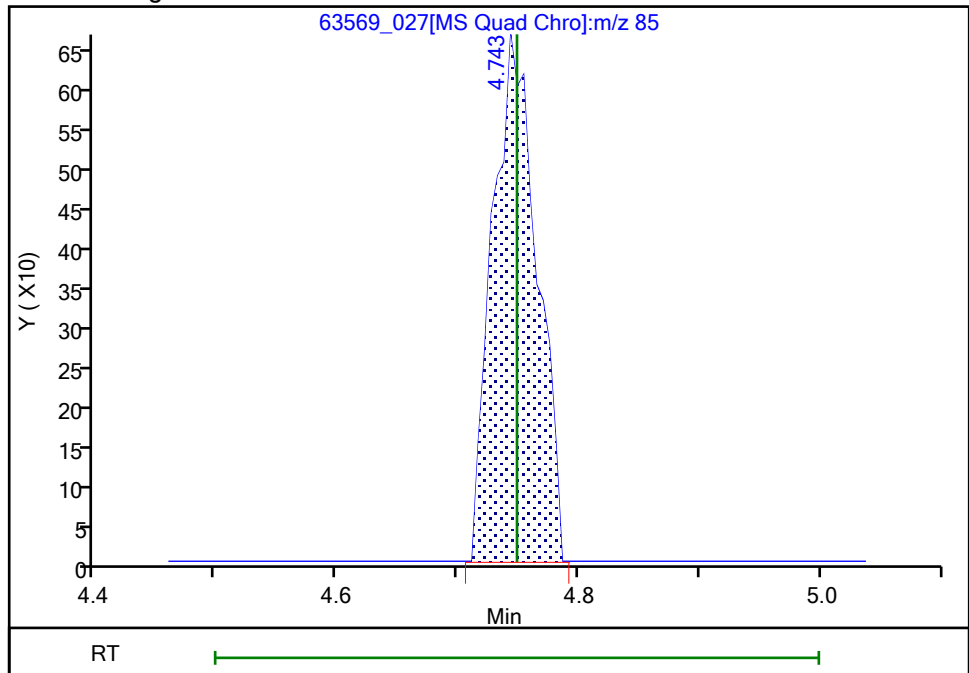
Not Detected
Expected RT: 4.75

Processing Integration Results



RT: 4.74
Area: 1711
Amount: 0.019927
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 12:06:58 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group:

AI_TO15_ICAL

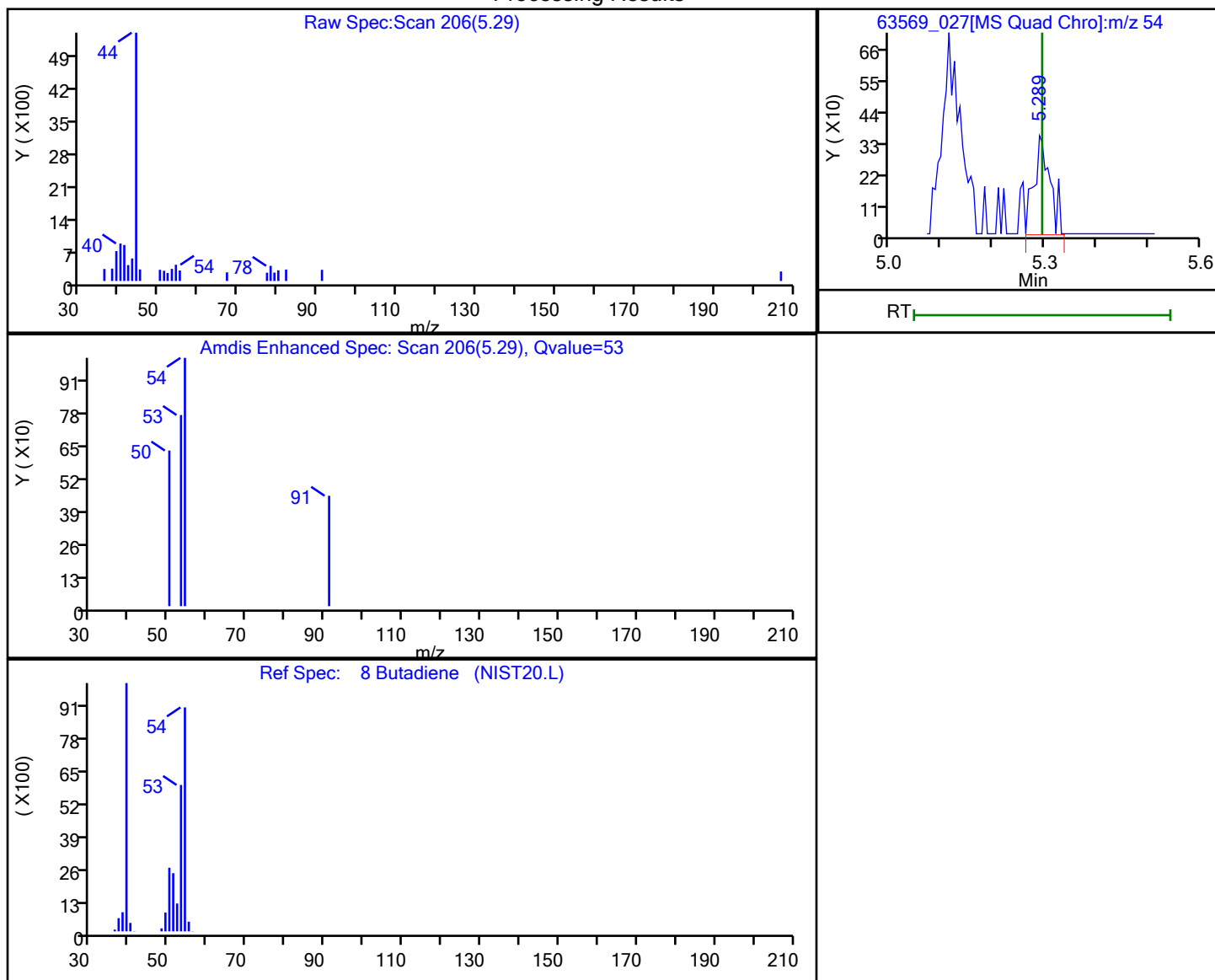
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.29	54.00	755	0.019918

Reviewer: F7XK, 06-Jan-2025 12:07:20 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

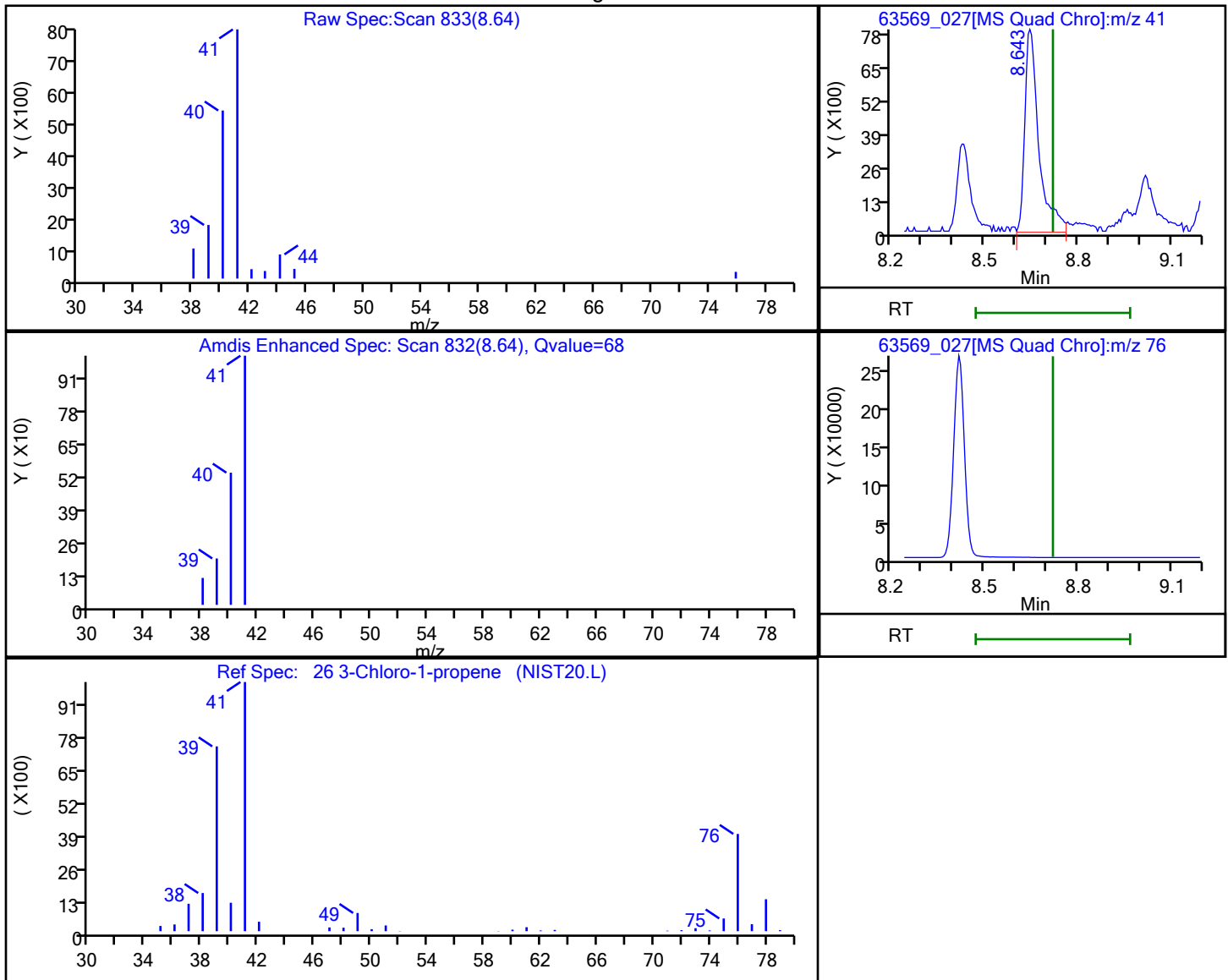
Limit Group: AI_TO15_ICAL

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	24850	0.469243
8.72	76.00	0	

Reviewer: F7XK, 06-Jan-2025 12:07:49 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

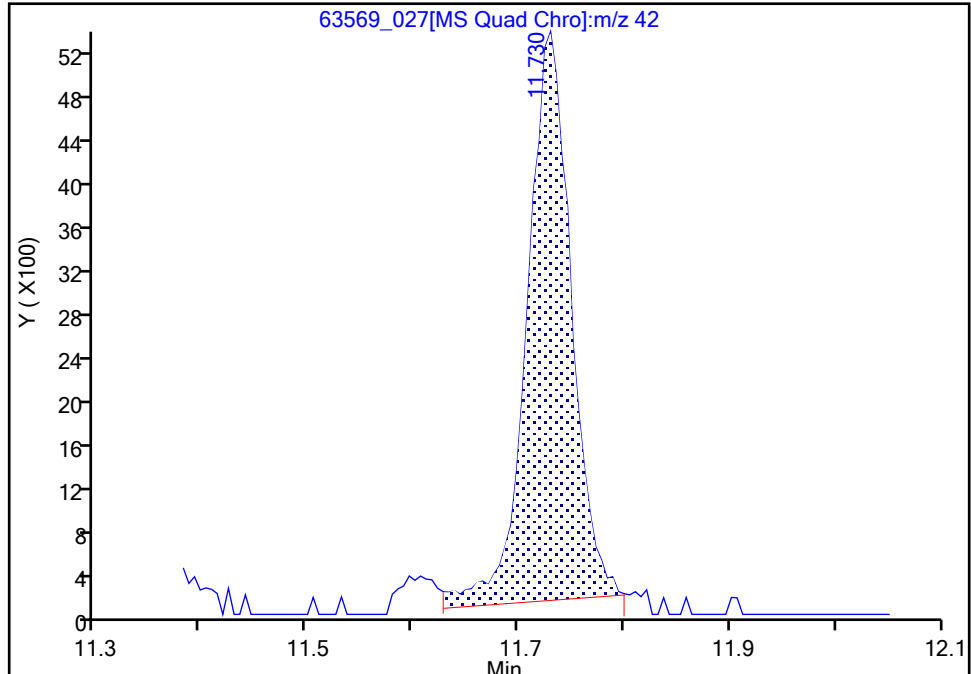
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D
Injection Date: 04-Jan-2025 05:36:54 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 DU Lab Sample ID: 200-76392-5
Client ID:
Operator ID: vtp ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

40 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

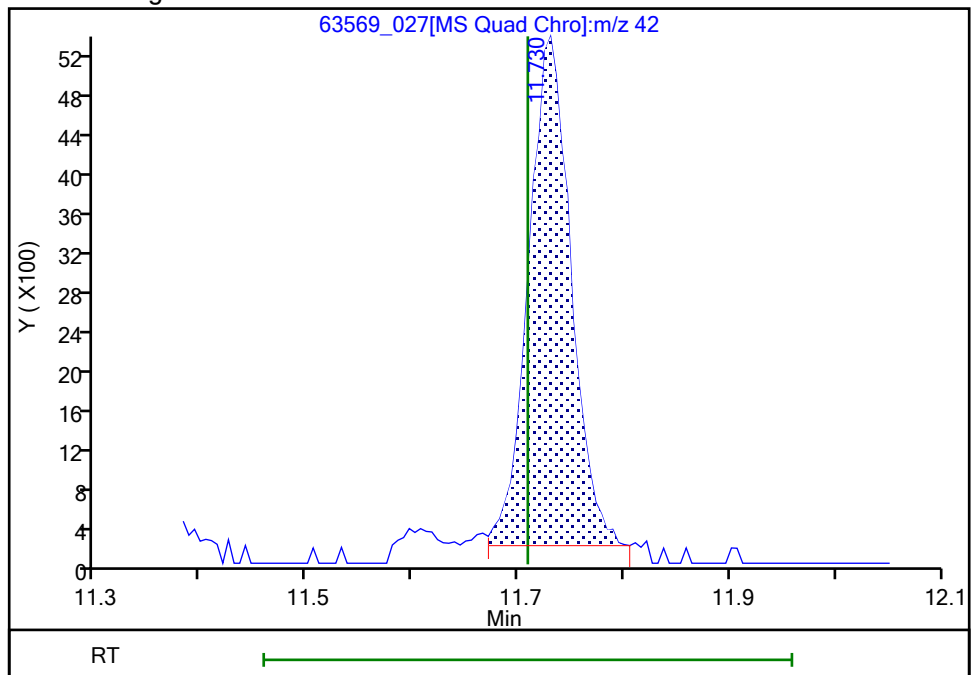
RT: 11.73
Area: 15263
Amount: 0.317634
Amount Units: ppb v/v

Processing Integration Results



RT: 11.73
Area: 14491
Amount: 0.301569
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 12:08:20 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

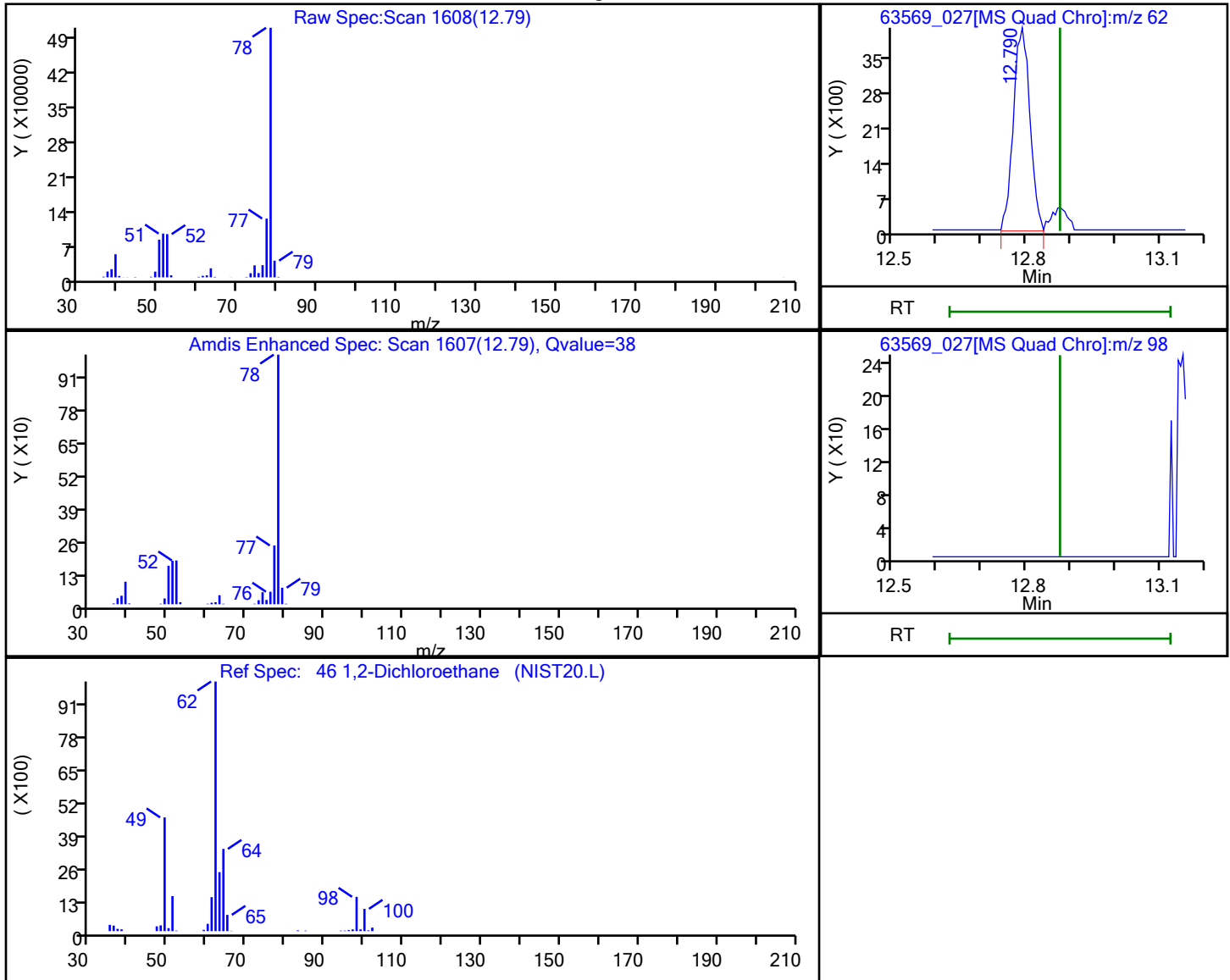
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

46 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
12.79	62.00	10460	0.186621
12.87	98.00	0	

Reviewer: F7XK, 06-Jan-2025 12:08:43 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

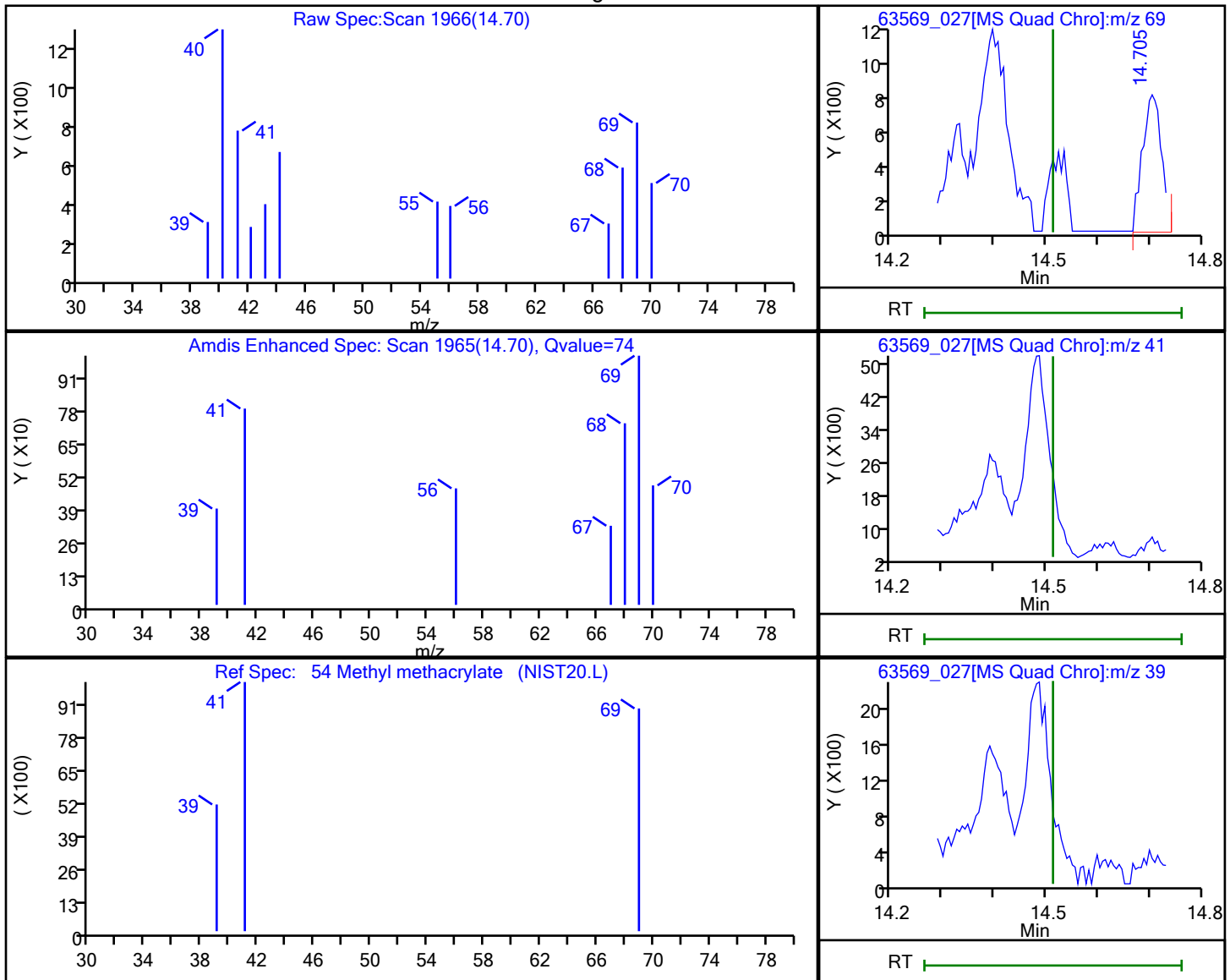
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.70	69.00	2032	0.044169
14.51	41.00	0	
14.51	39.00	0	

Reviewer: F7XK, 06-Jan-2025 12:09:15 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

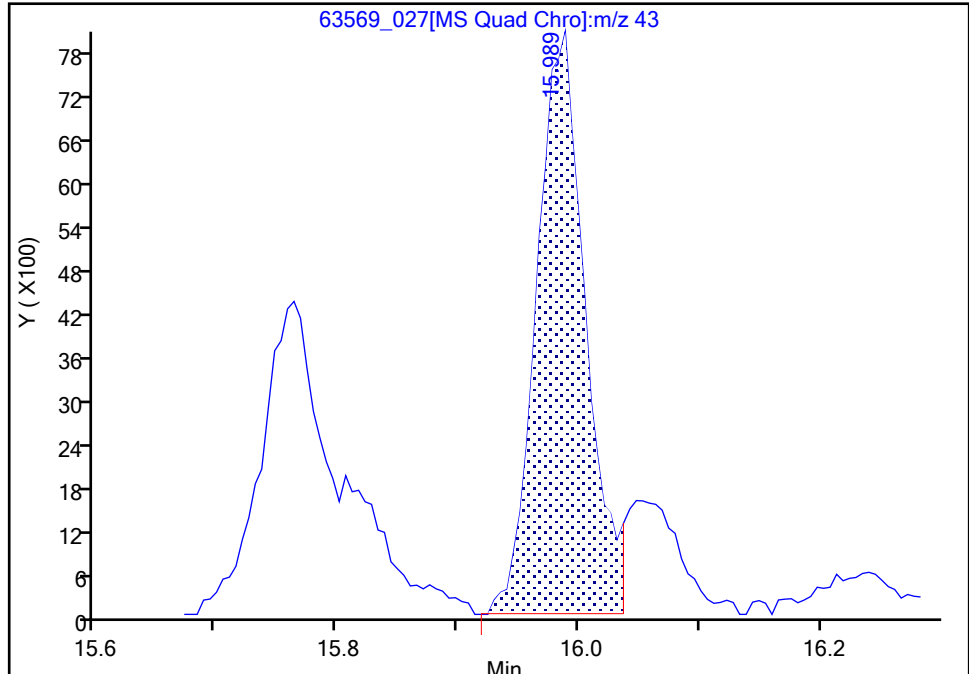
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D
Injection Date: 04-Jan-2025 05:36:54 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 DU Lab Sample ID: 200-76392-5
Client ID:
Operator ID: vtp ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: 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

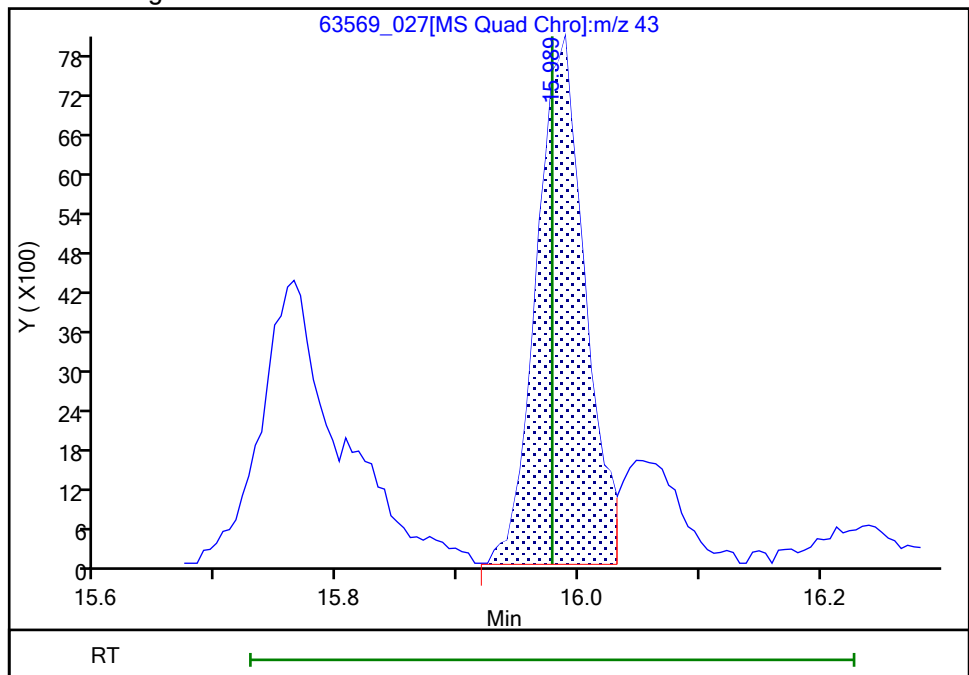
RT: 15.99
Area: 22626
Amount: 0.232046
Amount Units: ppb v/v

Processing Integration Results



RT: 15.99
Area: 22225
Amount: 0.227934
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 06-Jan-2025 12:09:33 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

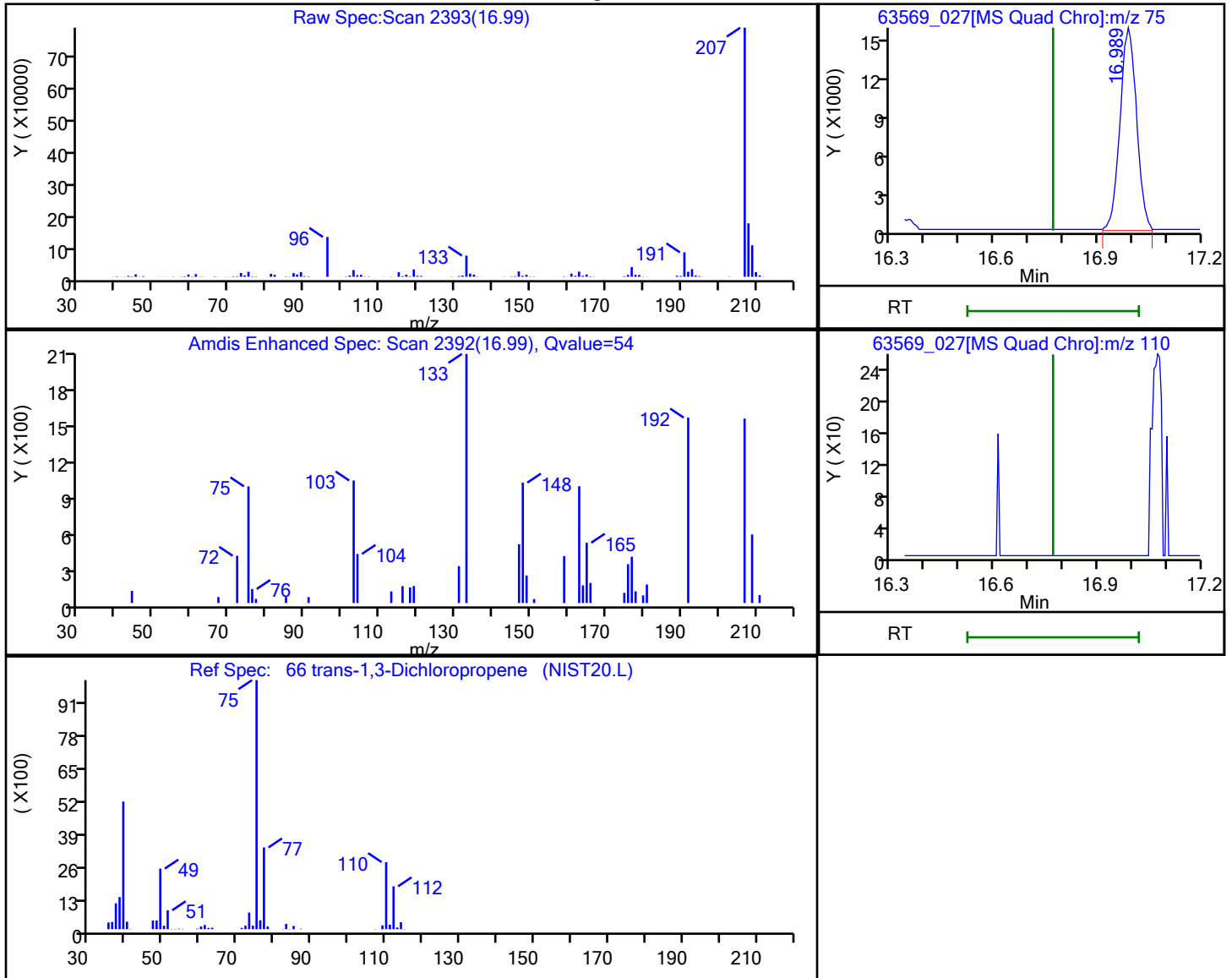
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
16.99	75.00	52201	0.835166
16.77	110.00	0	

Reviewer: F7XK, 06-Jan-2025 12:09:51 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

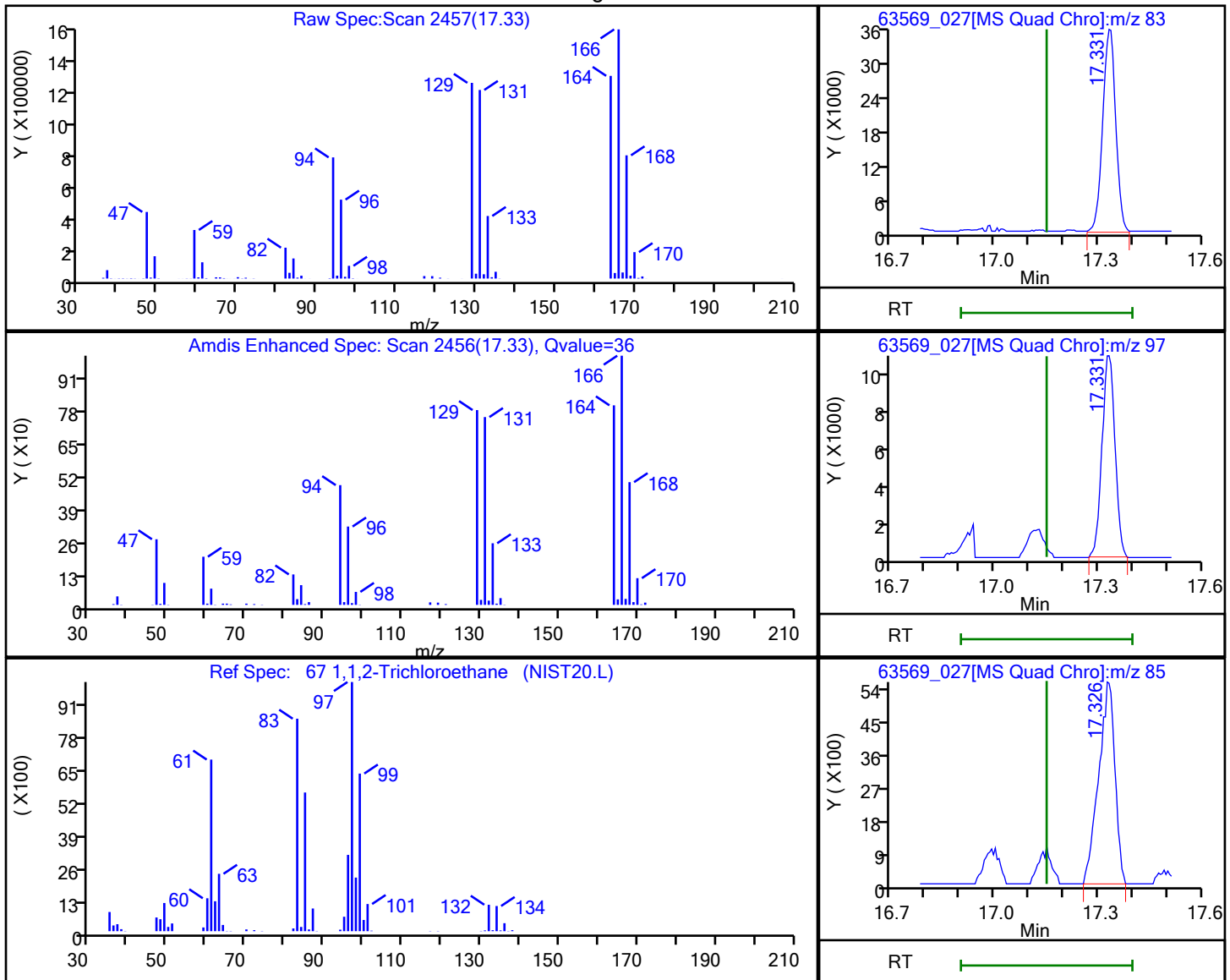
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.33	83.00	92647	1.987516
17.33	97.00	28438	
17.33	85.00	18219	

Reviewer: F7XK, 06-Jan-2025 12:09:58 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

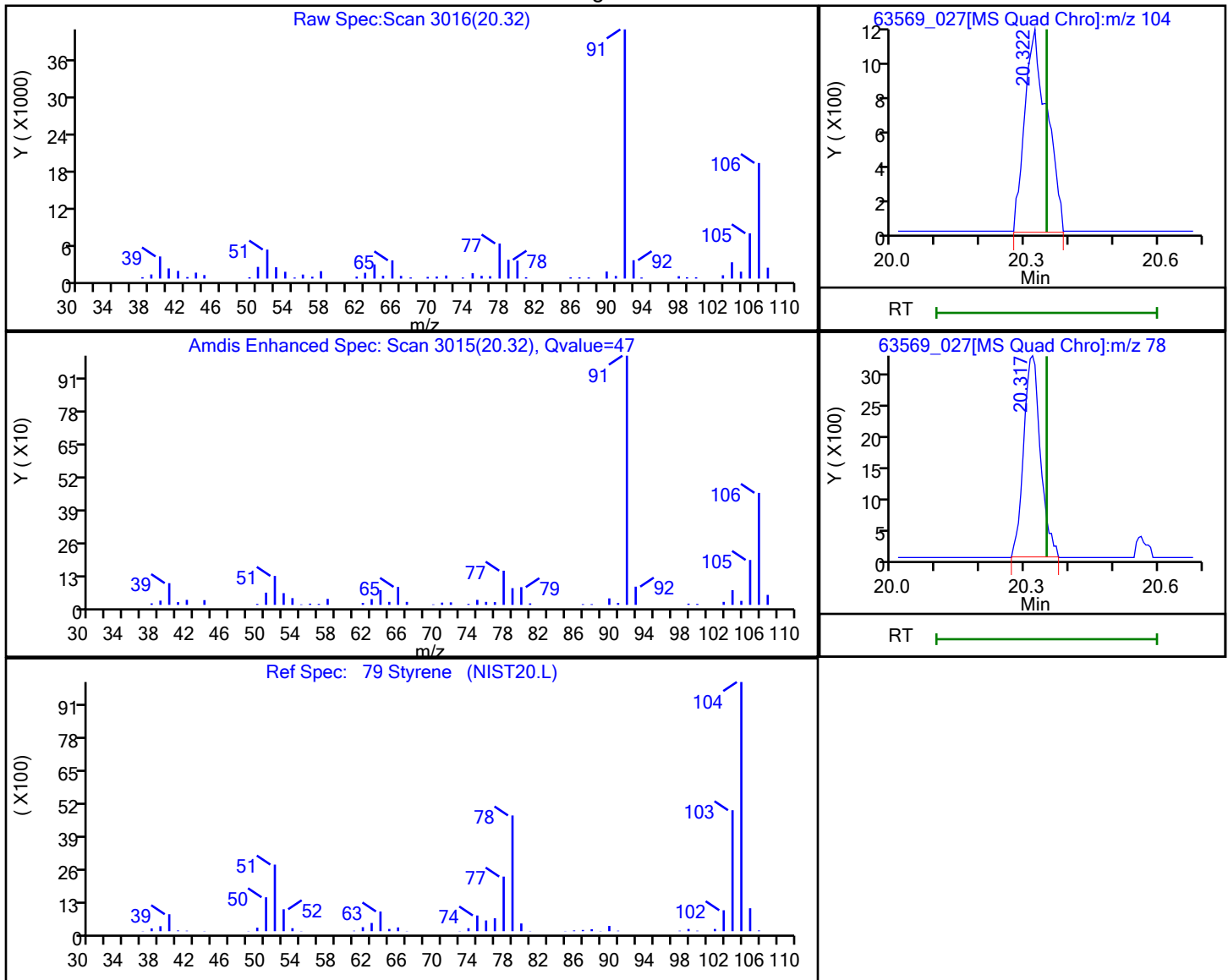
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

79 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
20.32	104.00	3949	0.038536
20.32	78.00	8581	

Reviewer: F7XK, 06-Jan-2025 12:10:36 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

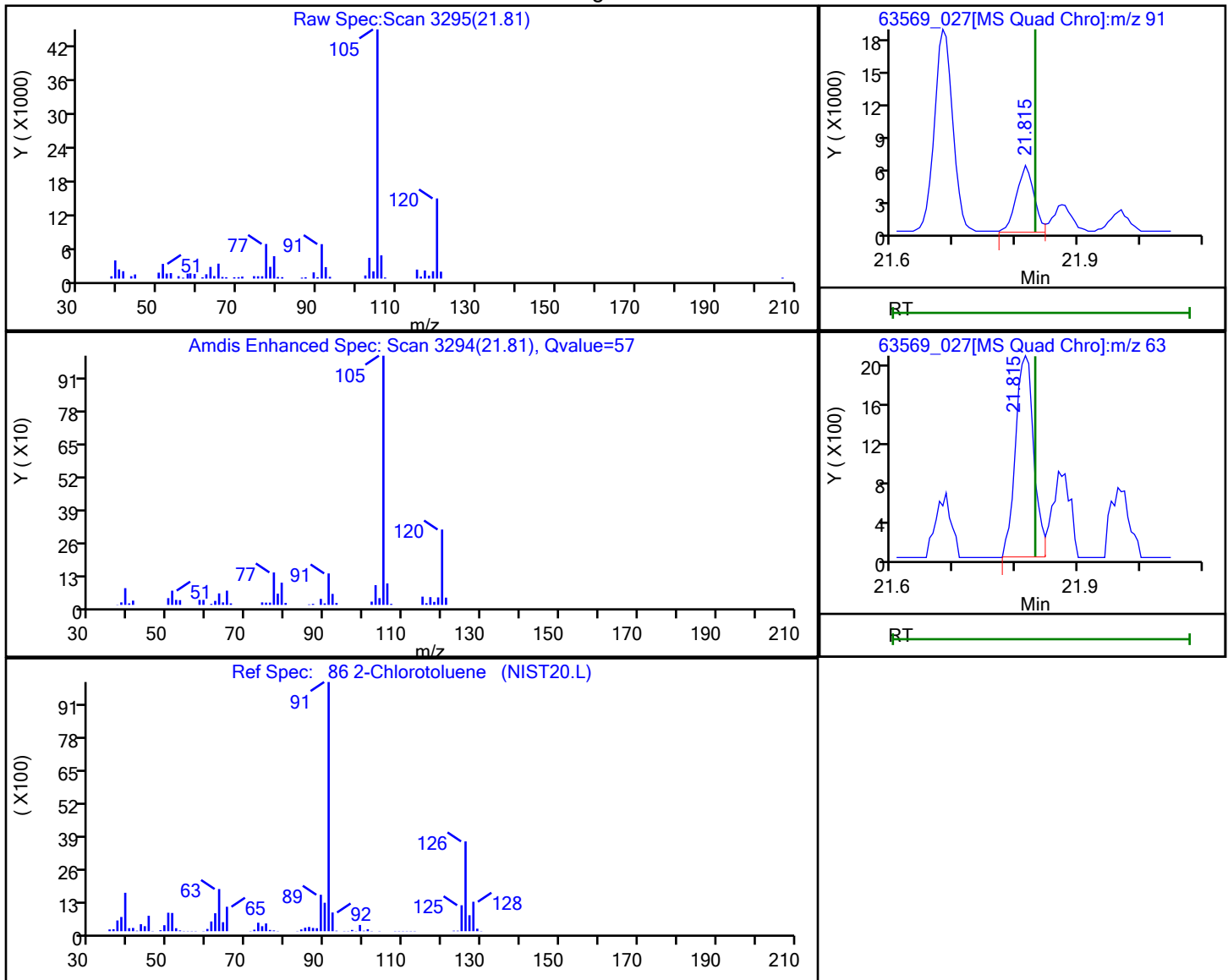
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

86 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.81	91.00	11871	0.073677
21.81	63.00	4244	

Reviewer: F7XK, 06-Jan-2025 12:11:00 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

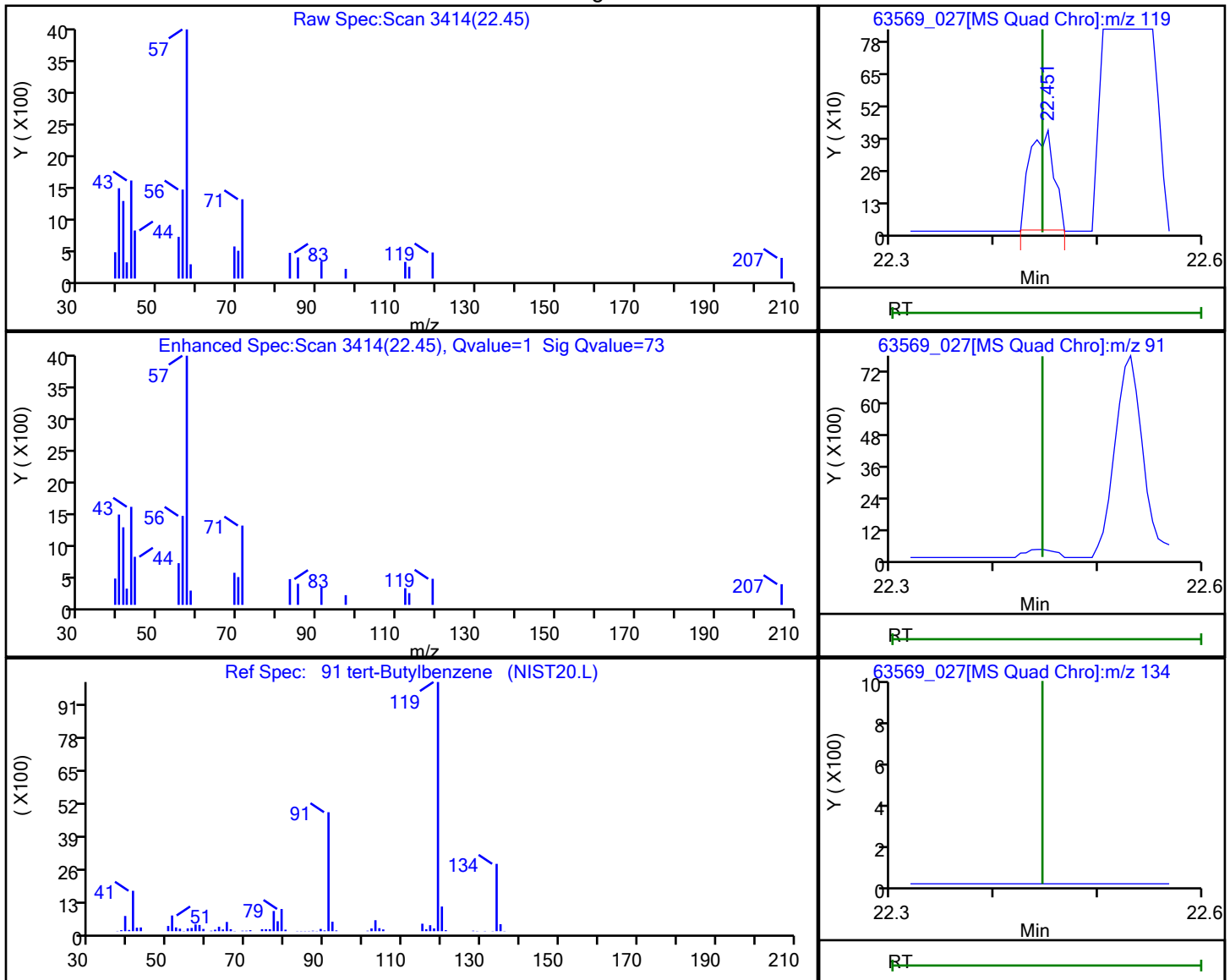
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
22.45	119.00	666	0.004626
22.45	91.00	0	
22.45	134.00	0	

Reviewer: F7XK, 06-Jan-2025 12:11:18 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

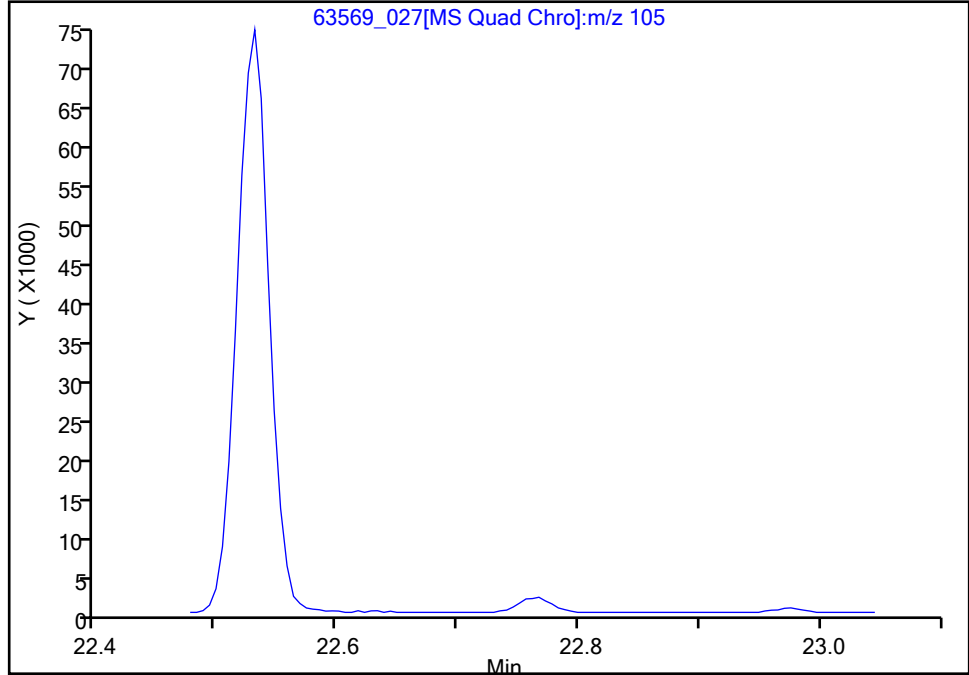
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D
Injection Date: 04-Jan-2025 05:36:54 Instrument ID: CHAM.i
Lims ID: 200-76392-A-5 DU Lab Sample ID: 200-76392-5
Client ID:
Operator ID: vtp ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: 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

Signal: 1

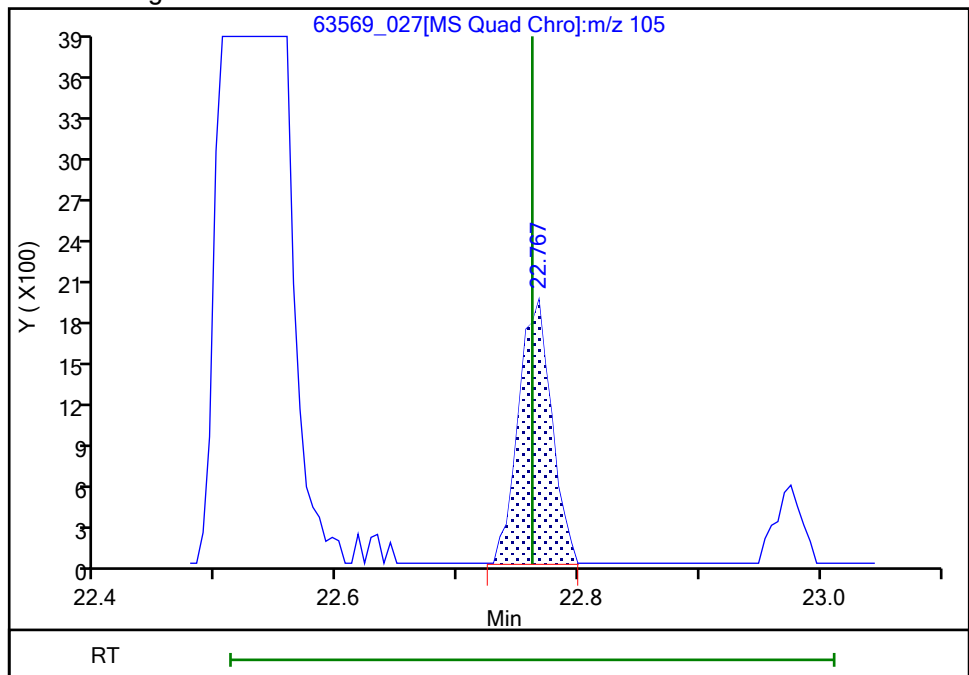
Not Detected
Expected RT: 22.76

Processing Integration Results



Manual Integration Results

RT: 22.77
Area: 3678
Amount: 0.016005
Amount Units: ppb v/v



Reviewer: F7XK, 06-Jan-2025 12:11:40 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250103-63569.b\63569_027.D

Injection Date: 04-Jan-2025 05:36:54

Instrument ID: CHAM.i

Lims ID: 200-76392-A-5 DU

Lab Sample ID: 200-76392-5

Client ID:

Operator ID: vtp

ALS Bottle#:

26

Worklist Smp#: 27

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1

Limit Group: AI_TO15_ICAL

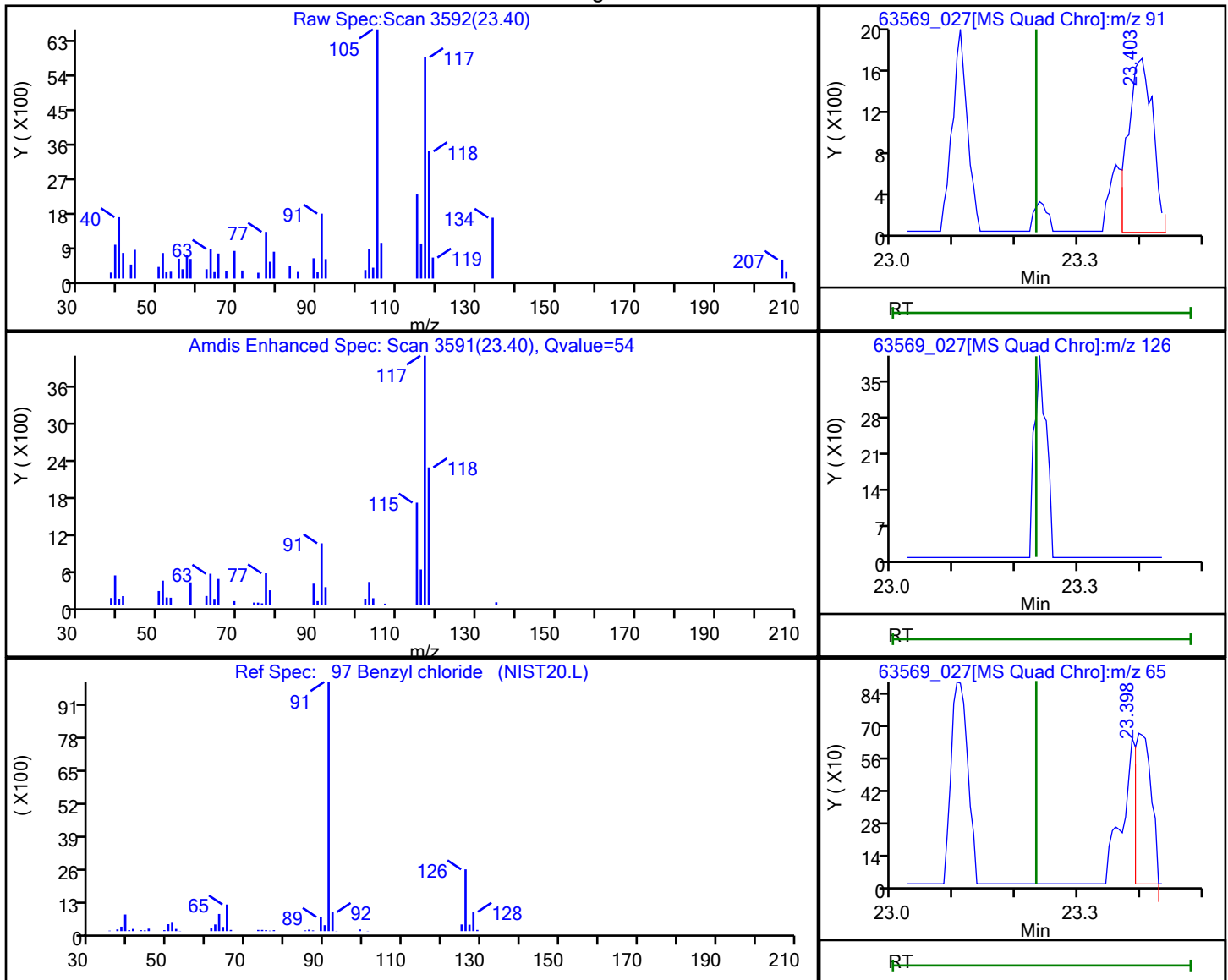
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

97 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.40	91.00	4574	0.030763
23.23	126.00	0	
23.40	65.00	1201	

Reviewer: F7XK, 06-Jan-2025 12:12:02 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAN.iStart Date: 12/18/2024 14:01Analysis Batch Number: 212230End Date: 12/19/2024 06:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212230/1		12/18/2024 14:01	1	63422_001.D	RTX-624 0.32 (mm)
IC 200-212230/3		12/18/2024 15:43	1	63422_003.D	RTX-624 0.32 (mm)
IC 200-212230/6		12/18/2024 18:17	1	63422_006.D	RTX-624 0.32 (mm)
IC 200-212230/8		12/18/2024 20:00	1	63422_008.D	RTX-624 0.32 (mm)
ICIS 200-212230/9		12/18/2024 20:52	1	63422_009.D	RTX-624 0.32 (mm)
IC 200-212230/10		12/18/2024 21:44	1	63422_010.D	RTX-624 0.32 (mm)
IC 200-212230/12		12/18/2024 23:27	1	63422_012.D	RTX-624 0.32 (mm)
ZZZZZ		12/19/2024 00:19	1		RTX-624 0.32 (mm)
IC 200-212230/14		12/19/2024 01:10	1	63422_014.D	RTX-624 0.32 (mm)
IC 200-212230/15		12/19/2024 02:02	1	63422_015.D	RTX-624 0.32 (mm)
ICV 200-212230/19		12/19/2024 05:29	1	63422_019.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		12/19/2024 06:21	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAM.iStart Date: 12/20/2024 14:29Analysis Batch Number: 212331End Date: 12/21/2024 11:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212331/1		12/20/2024 14:29	1	63469_001.D	RTX-624 0.32 (mm)
IC 200-212331/4		12/20/2024 17:03	1	63469_004.D	RTX-624 0.32 (mm)
IC 200-212331/5		12/20/2024 17:54	1	63469_005.D	RTX-624 0.32 (mm)
ICIS 200-212331/9		12/20/2024 21:19	1	63469_009.D	RTX-624 0.32 (mm)
IC 200-212331/10		12/20/2024 22:10	1	63469_010.D	RTX-624 0.32 (mm)
IC 200-212331/13		12/21/2024 00:44	1	63469_013.D	RTX-624 0.32 (mm)
IC 200-212331/14		12/21/2024 01:35	1	63469_014.D	RTX-624 0.32 (mm)
IC 200-212331/15		12/21/2024 02:27	1	63469_015.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		12/21/2024 03:18	1		RTX-624 0.32 (mm)
IC 200-212331/24		12/21/2024 11:06	1	63469_024.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAM.iStart Date: 12/21/2024 13:19Analysis Batch Number: 212348End Date: 12/22/2024 11:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212348/1		12/21/2024 13:19	1	63479_001.D	RTX-624 0.32 (mm)
ICV 200-212348/3		12/21/2024 15:02	1	6379_003.D	RTX-624 0.32 (mm)
CCVIS 200-212348/4		12/21/2024 15:53	1		RTX-624 0.32 (mm)
ZZZZZ (QC)		12/21/2024 16:44	1		RTX-624 0.32 (mm)
ZZZZZ (QC)		12/21/2024 17:36	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/21/2024 18:38	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/21/2024 19:39	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/21/2024 20:31	1		RTX-624 0.32 (mm)
ZZZZZ (QC)		12/21/2024 21:22	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/21/2024 22:14	2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/21/2024 23:06	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/21/2024 23:57	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 00:48	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 01:40	2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 02:31	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 03:22	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 04:14	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 05:05	2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 05:56	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 06:47	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 07:39	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 08:30	4		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 09:22	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 10:13	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 11:04	2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/22/2024 11:55	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAN.iStart Date: 01/03/2025 07:08Analysis Batch Number: 212533End Date: 01/04/2025 06:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212533/1		01/03/2025 07:08	1	63568_001.D	RTX-624 0.32 (mm)
CCVIS 200-212533/2		01/03/2025 07:57	1	63568_002.D	RTX-624 0.32 (mm)
LCS 200-212533/3		01/03/2025 08:49	1	63568_003.D	RTX-624 0.32 (mm)
MB 200-212533/6		01/03/2025 11:24	1	63568_006.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 12:16	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 13:08	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 14:09	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 15:01	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 15:52	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 16:44	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 17:36	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 18:27	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 19:19	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 20:10	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 21:02	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 21:54	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 22:45	10		RTX-624 0.32 (mm)
200-76392-1	SV122024KT001	01/03/2025 23:37	1	63568_020.D	RTX-624 0.32 (mm)
200-76392-1 DL	SV122024KT001 DL	01/04/2025 00:29	2.99	63568_021.D	RTX-624 0.32 (mm)
200-76392-2	SV122024KT002	01/04/2025 01:21	1	63568_022.D	RTX-624 0.32 (mm)
200-76392-3	SV122024KT003	01/04/2025 02:12	1	63568_023.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 06:40	0.2		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAM.iStart Date: 01/03/2025 07:06Analysis Batch Number: 212534End Date: 01/04/2025 05:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212534/1		01/03/2025 07:06	1	63569_001.D	RTX-624 0.32 (mm)
CCVIS 200-212534/2		01/03/2025 07:54	1	63569_002.D	RTX-624 0.32 (mm)
LCS 200-212534/3		01/03/2025 08:45	1	63569_003.D	RTX-624 0.32 (mm)
MB 200-212534/4		01/03/2025 09:37	1	63569_004.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 10:28	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 11:19	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 12:21	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 13:23	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 14:14	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 15:06	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 15:57	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 16:49	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 17:40	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 18:31	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 19:22	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 20:14	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 21:05	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 21:57	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 22:48	81		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/03/2025 23:39	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 00:30	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 01:21	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 02:12	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 03:03	2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 03:54	10		RTX-624 0.32 (mm)
200-76392-5	SV122024KT005	01/04/2025 04:45	1	63569_026.D	RTX-624 0.32 (mm)
200-76392-5 DU	SV122024KT005 DU	01/04/2025 05:36	1	63569_027.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAM.iStart Date: 01/04/2025 08:50Analysis Batch Number: 212559End Date: 01/05/2025 08:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212559/1		01/04/2025 08:50	1	63582_001.D	RTX-624 0.32 (mm)
CCVIS 200-212559/2		01/04/2025 09:39	1	63582_002.D	RTX-624 0.32 (mm)
LCS 200-212559/3		01/04/2025 10:30	1	63582_003.D	RTX-624 0.32 (mm)
MB 200-212559/4		01/04/2025 11:21	1	63582_004.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 13:14	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 14:05	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 14:57	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 15:48	2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 16:39	2		RTX-624 0.32 (mm)
200-76392-4	SV122024KT004	01/04/2025 17:30	1	63582_011.D	RTX-624 0.32 (mm)
200-76392-4 DL	SV122024KT004 DL	01/04/2025 18:21	5	63582_012.D	RTX-624 0.32 (mm)
200-76392-5 DL	SV122024KT005 DL	01/04/2025 19:13	2.99	63582_013.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 20:04	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 20:56	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 21:47	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 22:38	149		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/04/2025 23:30	30		RTX-624 0.32 (mm)
ZZZZZ (QC)		01/05/2025 00:21	30		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 01:12	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 02:03	20		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 02:54	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 03:46	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 04:37	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 05:28	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 06:19	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 07:10	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/05/2025 08:12	0.2		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76392-1SDG No.: 200-76392-1Instrument ID: CHAN.iStart Date: 01/06/2025 07:30Analysis Batch Number: 212564End Date: 01/07/2025 07:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212564/1		01/06/2025 07:30	1	63588_001.D	RTX-624 0.32 (mm)
CCVIS 200-212564/2		01/06/2025 08:18	1	63588_002.D	RTX-624 0.32 (mm)
LCS 200-212564/3		01/06/2025 09:09	1	63588_003.D	RTX-624 0.32 (mm)
MB 200-212564/5		01/06/2025 10:54	1	63588_005.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 11:45	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 12:37	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 13:29	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 14:20	1		RTX-624 0.32 (mm)
200-76392-6	SV122024KT006	01/06/2025 15:12	1	63588_010.D	RTX-624 0.32 (mm)
200-76392-7	SV122024KT007	01/06/2025 16:03	1	63588_011.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 16:55	2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 17:46	25		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 18:38	10		RTX-624 0.32 (mm)
ZZZZZ (QC)		01/06/2025 19:30	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 20:22	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 21:14	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 22:05	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 22:57	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/06/2025 23:49	5		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/07/2025 00:41	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/07/2025 01:32	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/07/2025 02:36	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/07/2025 03:36	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/07/2025 04:28	1.5		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/07/2025 05:20	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/07/2025 06:11	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		01/07/2025 07:15	0.356		RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 212230 Batch Start Date: 12/18/24 14:01 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 00273	ATTO15CAL2w 00353	ATTO15CAL4w 00831	ATTO15CAL5w 00150
BFB 200-212230/1		TO-15			200 mL	200 mL				
IC 200-212230/3		TO-15			200 mL	200 mL	35 mL			
IC 200-212230/6		TO-15			200 mL	200 mL		68 mL		
IC 200-212230/8		TO-15			200 mL	200 mL			85 mL	
ICIS 200-212230/9		TO-15			200 mL	200 mL			200 mL	
IC 200-212230/10		TO-15			200 mL	200 mL				200 mL
IC 200-212230/12		TO-15			200 mL	200 mL				
IC 200-212230/14		TO-15			200 mL	200 mL				
IC 200-212230/15		TO-15			200 mL	200 mL		170 mL		
ICV 200-212230/19		TO-15			200 mL	200 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ATTO15CAL6w 00239	ATTO15CAL7w 00150	ATTO15CISS 00012	ATTO15LCSW 00882		
BFB 200-212230/1		TO-15					20 mL			
IC 200-212230/3		TO-15					20 mL			
IC 200-212230/6		TO-15					20 mL			
IC 200-212230/8		TO-15					20 mL			
ICIS 200-212230/9		TO-15					20 mL			
IC 200-212230/10		TO-15					20 mL			
IC 200-212230/12		TO-15			200 mL		20 mL			
IC 200-212230/14		TO-15				200 mL	20 mL			
IC 200-212230/15		TO-15					20 mL			
ICV 200-212230/19		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.

TO-15

Page 1 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 212230 Batch Start Date: 12/18/24 14:01 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.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 212331 Batch Start Date: 12/20/24 14:29 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 00273	ATTO15CAL2w 00353	ATTO15CAL4w 00831
BFB 200-212331/1		TO-15			200 mL	200 mL	20 mL			
IC 200-212331/4		TO-15			200 mL	200 mL	20 mL	35 mL		
IC 200-212331/5		TO-15			200 mL	200 mL	20 mL	170 mL		
ICIS 200-212331/9		TO-15			200 mL	200 mL	20 mL			200 mL
IC 200-212331/10		TO-15			200 mL	200 mL	20 mL			
IC 200-212331/13		TO-15			200 mL	200 mL	20 mL			
IC 200-212331/14		TO-15			200 mL	200 mL	20 mL			
IC 200-212331/15		TO-15			200 mL	200 mL	20 mL		170 mL	
IC 200-212331/24		TO-15			200 mL	200 mL	20 mL			85 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ATTO15CAL5w 00150	ATTO15CAL6w 00239	ATTO15CAL7w 00150			
BFB 200-212331/1		TO-15								
IC 200-212331/4		TO-15								
IC 200-212331/5		TO-15								
ICIS 200-212331/9		TO-15								
IC 200-212331/10		TO-15			200 mL					
IC 200-212331/13		TO-15				200 mL				
IC 200-212331/14		TO-15					200 mL			
IC 200-212331/15		TO-15								
IC 200-212331/24		TO-15								

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO-15

Page 1 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-76392-1SDG No.: 200-76392-1Batch Number: 212331 Batch Start Date: 12/20/24 14:29 Batch Analyst: Bourdeau, Timothy PBatch Method: TO-15 Batch End Date: _____

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO-15

Page 2 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 212348 Batch Start Date: 12/21/24 13:19 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	ATTO15LCSW 00882		
BFB 200-212348/1		TO-15			200 mL	200 mL	20 mL			
ICV 200-212348/3		TO-15			200 mL	200 mL	20 mL	200 mL		

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.

TO-15

Page 1 of 1

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 212533 Batch Start Date: 01/03/25 07:08 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 00831	ATTO15CISS 00012	ATTO15LCSW 00882	
BFB 200-212533/1		TO-15			200 mL	200 mL		20 mL		
CCVIS 200-212533/2		TO-15			200 mL	200 mL	200 mL	20 mL		
LCS 200-212533/3		TO-15			200 mL	200 mL		20 mL	200 mL	
MB 200-212533/6		TO-15			200 mL	200 mL		20 mL		
200-76392-A-1	SV122024KT001	TO-15	Air	T	200 mL	200 mL		20 mL		
200-76392-A-1	SV122024KT001	TO-15	Air	T	67 mL	200 mL		20 mL		
200-76392-A-2	SV122024KT002	TO-15	Air	T	200 mL	200 mL		20 mL		
200-76392-A-3	SV122024KT003	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.

TO-15

Page 1 of 1

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 212534 Batch Start Date: 01/03/25 07:06 Batch Analyst: Bunma, Arthit 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15AMISS 00004	ATTO15CAL4w 00831	ATTO15LCSW 00882	
BFB 200-212534/1		TO-15			200 mL	200 mL	20 mL			
CCVIS 200-212534/2		TO-15			200 mL	200 mL	20 mL	200 mL		
LCS 200-212534/3		TO-15			200 mL	200 mL	20 mL		200 mL	
MB 200-212534/4		TO-15			200 mL	200 mL	20 mL			
200-76392-A-5	SV122024KT005	TO-15	Air	T	200 mL	200 mL	20 mL			
200-76392-A-5 DU	SV122024KT005	TO-15		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.

TO-15

Page 1 of 1

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 212559 Batch Start Date: 01/04/25 08:50 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 00831	ATTO15LCSW 00882	
BFB 200-212559/1		TO-15			200 mL	200 mL	20 mL			
CCVIS 200-212559/2		TO-15			200 mL	200 mL	20 mL	200 mL		
LCS 200-212559/3		TO-15			200 mL	200 mL	20 mL		200 mL	
MB 200-212559/4		TO-15			200 mL	200 mL	20 mL			
200-76392-A-4	SV122024KT004	TO-15	Air	T	200 mL	200 mL	20 mL			
200-76392-A-4	SV122024KT004	TO-15	Air	T	40 mL	200 mL	20 mL			
200-76392-A-5	SV122024KT005	TO-15	Air	T	67 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.

TO-15

Page 1 of 1

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 212564 Batch Start Date: 01/06/25 07:30 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 00831	ATTO15CISs 00012	ATTO15LCSW 00882	
BFB 200-212564/1		TO-15			200 mL	200 mL		20 mL		
CCVIS 200-212564/2		TO-15			200 mL	200 mL	200 mL	20 mL		
LCS 200-212564/3		TO-15			200 mL	200 mL		20 mL	200 mL	
MB 200-212564/5		TO-15			200 mL	200 mL		20 mL		
200-76392-A-6	SV122024KT006	TO-15	Air	T	200 mL	200 mL		20 mL		
200-76392-A-7	SV122024KT007	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.

TO-15

Page 1 of 1

[illegible]

⁴ Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Summa Canister Dilution Worksheet

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job No.: 200-76392-1
SDG No.: 200-76392-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
200-76392-1	6	-1	0.97	5.80	-0.491154	0.97	5.80		1.00	1.00	air mg7	01/07/25 11:21	I9H5

Formulae:

Preadjusted Volume (L) = $((\text{Preadjusted Pressure ("Hg)} + 29.92 \text{ "Hg}) * \text{Vol L}) / 29.92 \text{ "Hg}$
 Adjusted Volume (L) = $((\text{Adjusted Pressure (psig)} + 14.7 \text{ psig}) * \text{Vol L}) / 14.7 \text{ psig}$
 Dilution Factor = $\text{Adjusted Volume (L)} / \text{Preadjusted Volume (L)}$

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)
 14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Method D1946

Fixed Gases in Air (GC) by Method
D1946

FORM III
AIR - GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Calscience Job No.: 200-76392-1
SDG No.: 200-76392-1
Matrix: Air Level: Low Lab File ID: GC5507JAN02.D
Lab ID: LCS 570-520792/2 Client ID: _____

COMPOUND	SPIKE ADDED (% v/v)	LCS CONCENTRATION (% v/v)	LCS % REC	QC LIMITS REC	#
Helium	1.01	0.896	89	80-120	

FORM III
AIR - GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Calscience Job No.: 200-76392-1
SDG No.: 200-76392-1
Matrix: Air Level: Low Lab File ID: GC5507JAN03.D
Lab ID: LCSD 570-520792/3 Client ID: _____

COMPOUND	SPIKE ADDED (% v/v)	LCSD CONCENTRATION (% v/v)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Helium	1.01	0.884	88	1	20	80-120	

Column to be used to flag recovery and RPD values
FORM III D1946

FORM IV
AIR - GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Calscience Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab File ID: GC5507JAN04.D Lab Sample ID: MB 570-520792/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: GC55 Date Analyzed: 01/07/2025 10:31
GC Column: Chromosil310 ID: 0.125(in)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 570-520792/2	GC5507JAN02 .D	01/07/2025 08:59
	LCSD 570-520792/3	GC5507JAN03 .D	01/07/2025 09:28
SV122024KT001	200-76392-1	GC5507JAN07 .D	01/07/2025 11:35

FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Calscience</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: <u>SV122024KT001</u>	Lab Sample ID: <u>200-76392-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>GC5507JAN07.D</u>
Analysis Method: <u>D1946</u>	Date Collected: <u>12/20/2024 09:03</u>
Sample wt/vol: <u>1 (mL)</u>	Date Analyzed: <u>01/07/2025 11:35</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Chromosil310</u> ID: <u>0.125 (in)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>520792</u>	Units: <u>% v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>GC55</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	0.41		0.025	0.0082

Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN07.D
Lims ID: 200-76392-A-1
Client ID: SV122024KT001
Sample Type: Client
Inject. Date: 07-Jan-2025 11:35:30 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: 200-76392-A-1 1ML J
Operator ID: I9H5 Instrument ID: GC55
Method: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 07-Jan-2025 12:12:07 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1688

First Level Reviewer: I9H5

Date: 07-Jan-2025 12:13:11

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt % v/v	Flags
1 Helium	2.698	2.727	-0.029	3875570	0.4105	

QC Flag Legend

Processing Flags

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN07.D

Injection Date: 07-Jan-2025 11:35:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: 200-76392-A-1

Lab Sample ID: 570-76392-1

Worklist Smp#: 7

Client ID: SV122024KT001

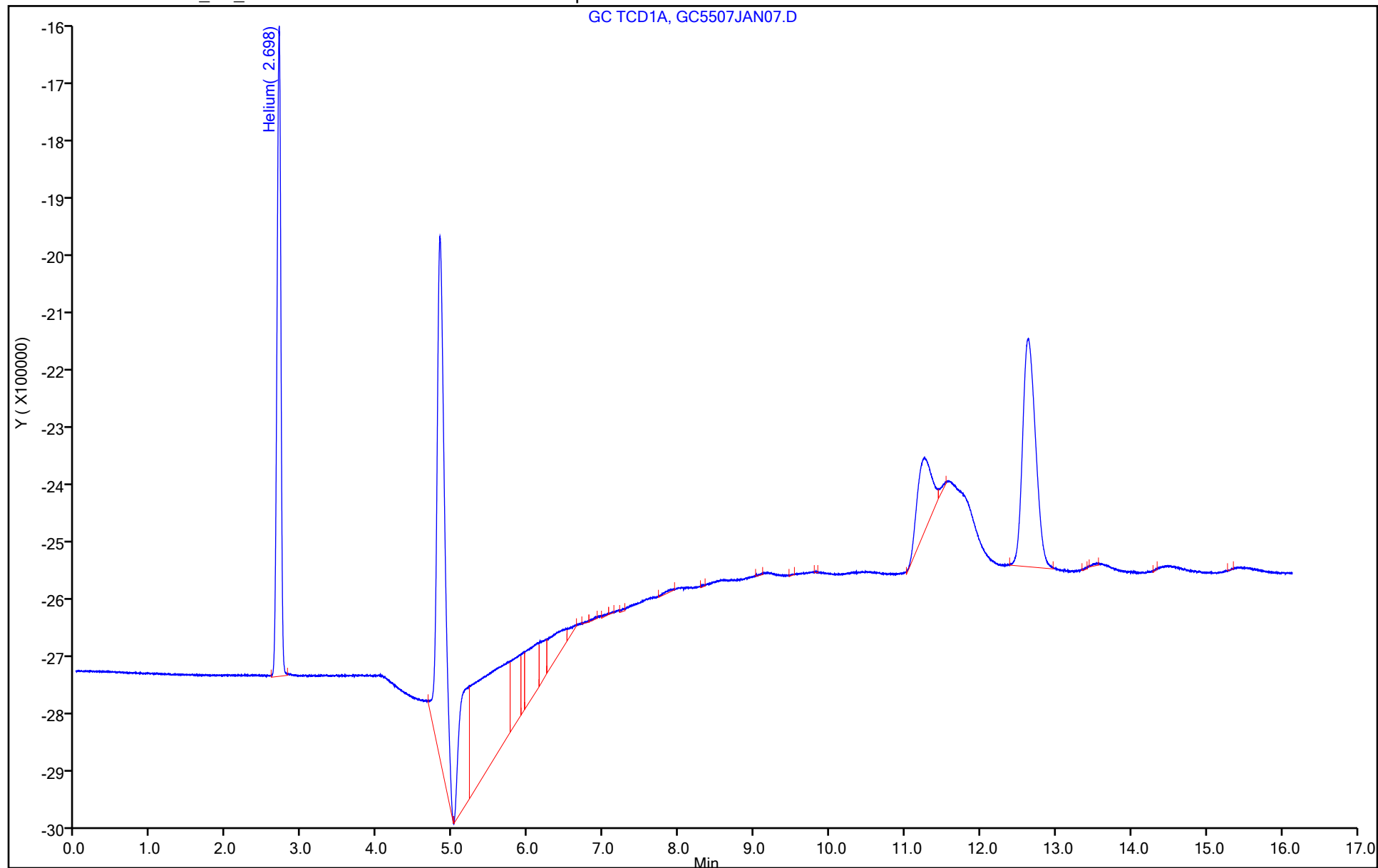
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



FORM VI
AIR - GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Calscience Job No.: 200-76392-1 Analy Batch No.: 409683
SDG No.: 200-76392-1
Instrument ID: GC55 GC Column: Chromosil31 ID: 0.125(in) Heated Purge: (Y/N) N
Calibration Start Date: 02/12/2024 09:17 Calibration End Date: 02/12/2024 12:04 Calibration ID: 41209

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 570-409683/1	GC5512FEB01.D
Level 2	IC 570-409683/2	GC5512FEB02.D
Level 3	IC 570-409683/3	GC5512FEB03.D
Level 4	IC 570-409683/4	GC5512FEB04.D
Level 5	ICRT 570-409683/5	GC5512FEB05.D
Level 6	IC 570-409683/6	GC5512FEB06.D
Level 7	IC 570-409683/7	GC5512FEB07.D
Level 8	IC 570-409683/8	GC5512FEB08.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Helium	2.685	2.687	2.685	2.657	2.696	2.736	2.794	2.923			2.396 - 2.996	2.733
Hydrogen	3.122	3.116	3.115	3.084	3.122	3.162	3.229	3.346			2.822 - 3.422	3.162

FORM VI
AIR - GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Calscience Job No.: 200-76392-1 Analy Batch No.: 409683
SDG No.: 200-76392-1
Instrument ID: GC55 GC Column: Chromosil31 ID: 0.125(in) Heated Purge: (Y/N) N
Calibration Start Date: 02/12/2024 09:17 Calibration End Date: 02/12/2024 12:04 Calibration ID: 41209

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 570-409683/1	GC5512FEB01.D
Level 2	IC 570-409683/2	GC5512FEB02.D
Level 3	IC 570-409683/3	GC5512FEB03.D
Level 4	IC 570-409683/4	GC5512FEB04.D
Level 5	ICRT 570-409683/5	GC5512FEB05.D
Level 6	IC 570-409683/6	GC5512FEB06.D
Level 7	IC 570-409683/7	GC5512FEB07.D
Level 8	IC 570-409683/8	GC5512FEB08.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Helium	11926040 8793197	10807168 8868099	8797164 8920061	8664046 8746450	Ave		9440278.1 1				13.0		20.0			
Hydrogen	18549899 14572703	17203260 14764228	14466093 14916315	14330233 15062321	Ave		15483131. 6				9.9		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Calscience Job No.: 200-76392-1 Analy Batch No.: 409683
SDG No.: 200-76392-1
Instrument ID: GC55 GC Column: Chromosil3 ID: 0.125(in) Heated Purge: (Y/N) N
Calibration Start Date: 02/12/2024 09:17 Calibration End Date: 02/12/2024 12:04 Calibration ID: 41209

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 570-409683/1	GC5512FEB01.D
Level 2	IC 570-409683/2	GC5512FEB02.D
Level 3	IC 570-409683/3	GC5512FEB03.D
Level 4	IC 570-409683/4	GC5512FEB04.D
Level 5	ICRT 570-409683/5	GC5512FEB05.D
Level 6	IC 570-409683/6	GC5512FEB06.D
Level 7	IC 570-409683/7	GC5512FEB07.D
Level 8	IC 570-409683/8	GC5512FEB08.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (% 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
Helium	Ave	120453 17913560	272881 45046307	2221284 88339147	4375343	8881129	0.0101 2.02	0.0253 5.05	0.253 10.1	0.505	1.01
Hydrogen	Ave	184386 29351286	427501 74134084	3594824 149719475	7122126	14485267	0.00994 1.99	0.0249 4.97	0.249 9.94	0.497	0.994

Curve Type Legend:

Ave = Average

Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB01.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Feb-2024 09:17:30 ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: IC L1
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:06 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 13-Feb-2024 13:21:06

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.685	2.696	-0.011	120453	0.0101	0.0128	
2 Hydrogen	3.122	3.122	0.000	184386	0.0099	0.0119	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_CCV_00004

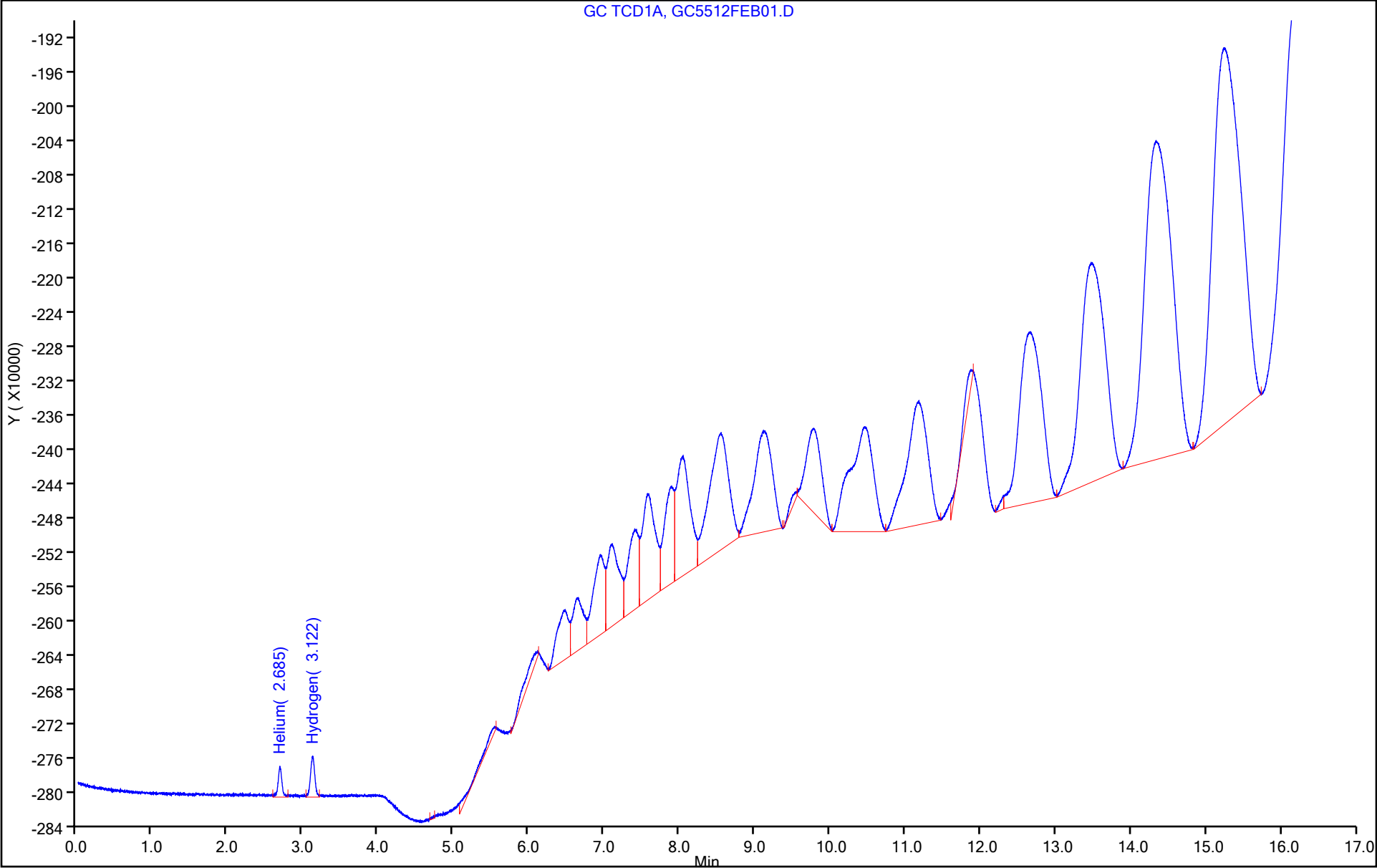
Amount Added: 0.01

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB01.D
Injection Date: 12-Feb-2024 09:17:30 Instrument ID: GC55
Lims ID: IC L1
Client ID:
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Method: HE_H2_GC55 Limit Group: GCV - D1946 EPA 3C

Operator ID: I9H5
Worklist Smp#: 1
ALS Bottle#: 1



Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB02.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Feb-2024 09:39:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: IC L2
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:07 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 12-Feb-2024 13:11:46

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.687	2.696	-0.009	272881	0.0253	0.0289	
2 Hydrogen	3.116	3.122	-0.006	427501	0.0249	0.0276	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_CCV_00004

Amount Added: 0.03

Units: mL

Report Date: 13-Feb-2024 13:21:07

Chrom Revision: 2.3 02-Feb-2024 10:24:08

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB02.D

Injection Date: 12-Feb-2024 09:39:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: IC L2

Worklist Smp#: 2

Client ID:

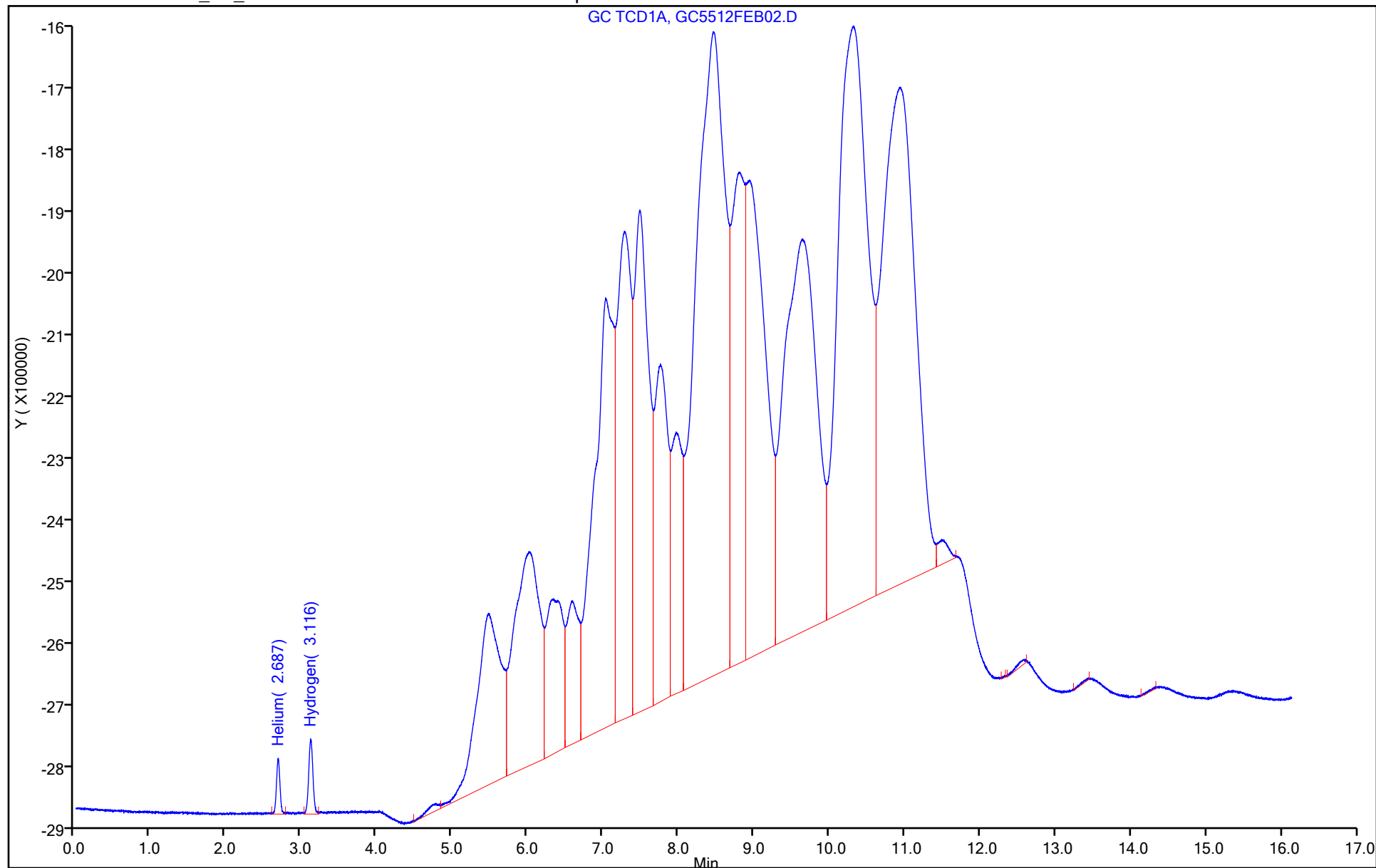
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Feb-2024 10:01:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: IC L3
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:08 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 12-Feb-2024 13:11:51

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.685	2.696	-0.011	2221284	0.2525	0.2353	
2 Hydrogen	3.115	3.122	-0.007	3594824	0.2485	0.2322	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_CCV_00004

Amount Added: 0.25

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB03.D

Injection Date: 12-Feb-2024 10:01:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: IC L3

Worklist Smp#: 3

Client ID:

Purge Vol: 1.000 mL

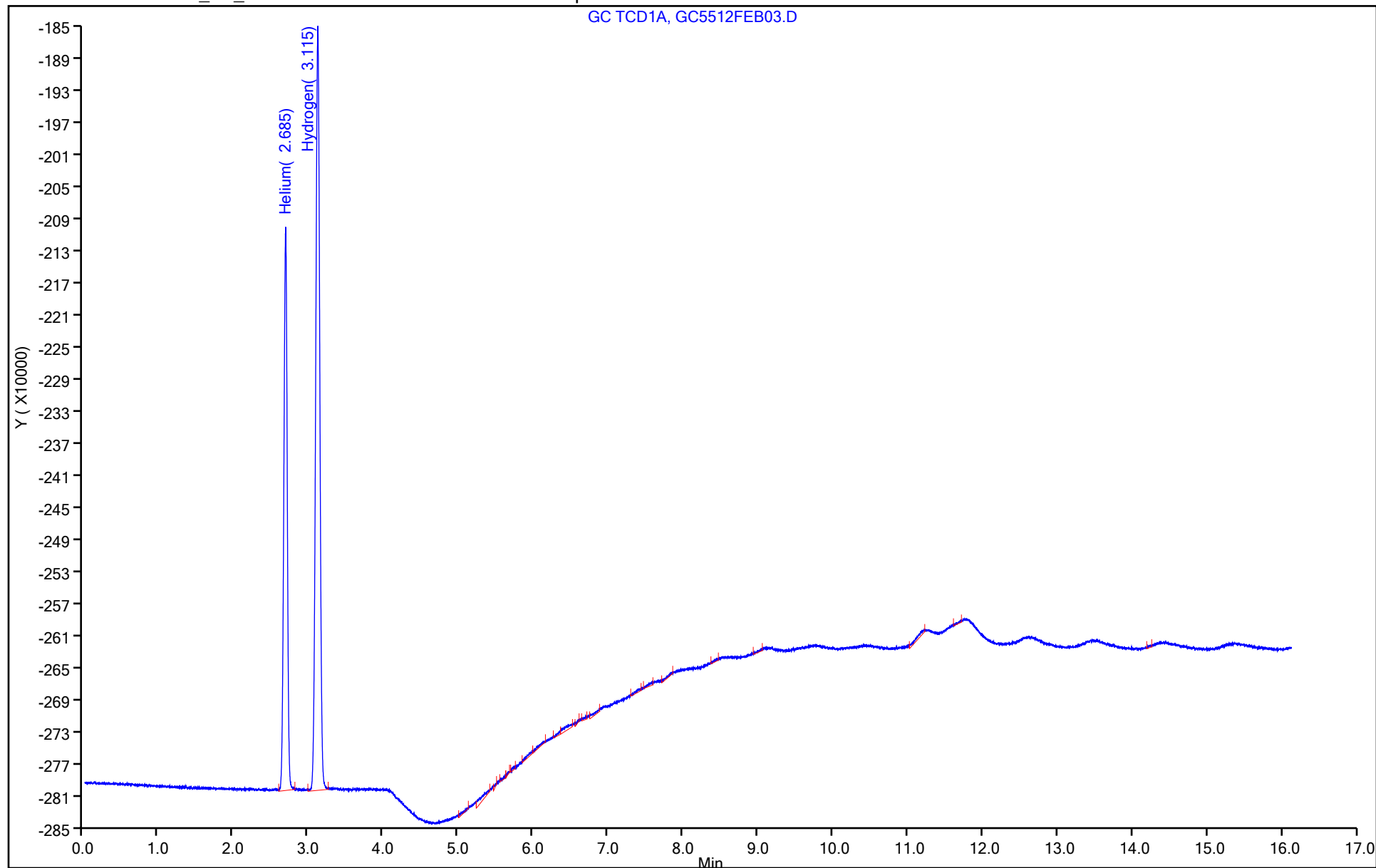
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C

GC TCD1A, GC5512FEB03.D



Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Feb-2024 10:21:30 ALS Bottle#: 1 Worklist Smp#: 4
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: IC L4
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:08 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 12-Feb-2024 13:11:57

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.657	2.696	-0.039	4375343	0.5050	0.4635	
2 Hydrogen	3.084	3.122	-0.038	7122126	0.4970	0.4600	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_CCV_00004

Amount Added: 0.50

Units: mL

Report Date: 13-Feb-2024 13:21:08

Chrom Revision: 2.3 02-Feb-2024 10:24:08

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB04.D

Injection Date: 12-Feb-2024 10:21:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: IC L4

Worklist Smp#: 4

Client ID:

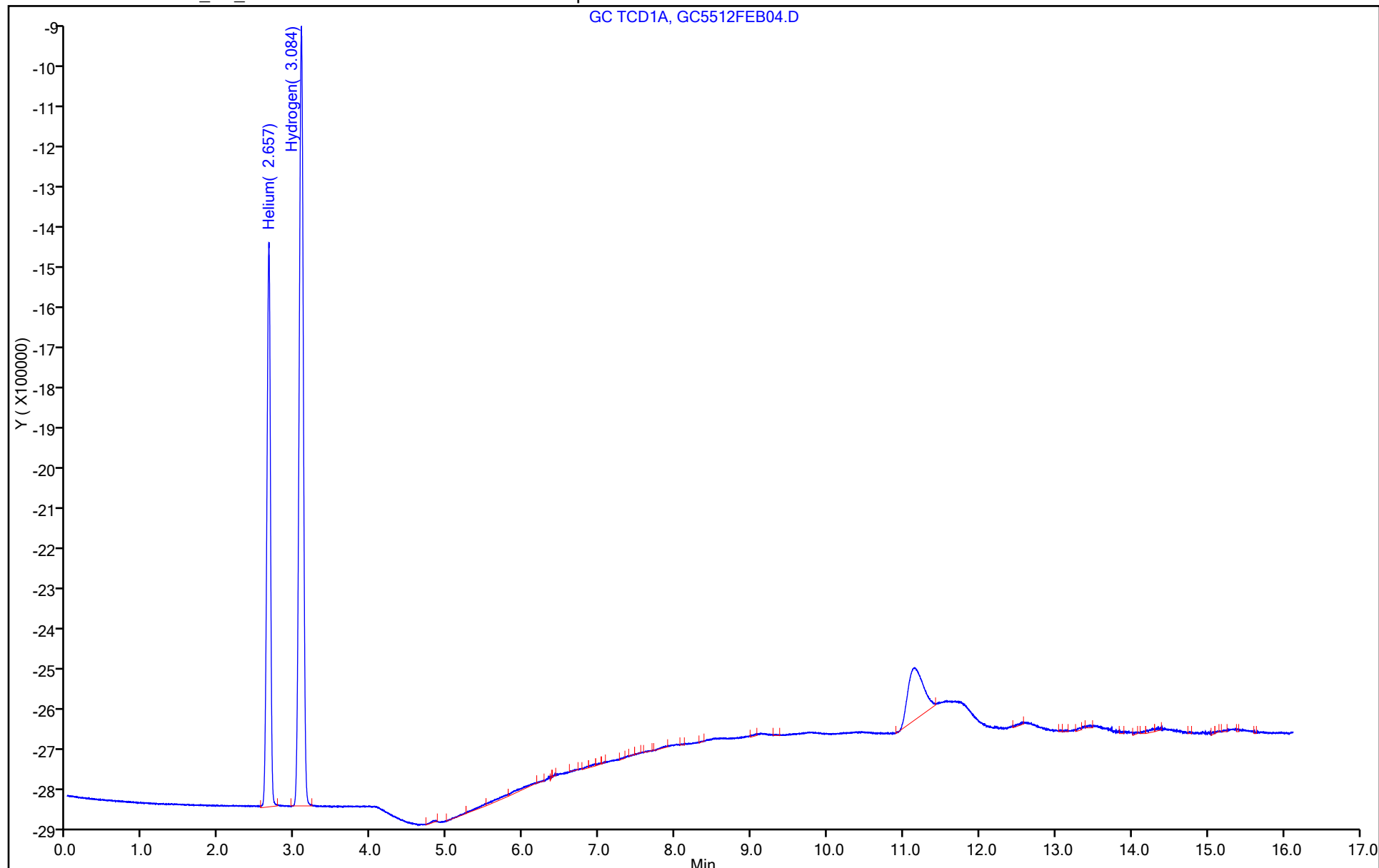
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB05.D
Lims ID: ICRT L5
Client ID:
Sample Type: ICRT Calib Level: 5
Inject. Date: 12-Feb-2024 10:42:30 ALS Bottle#: 1 Worklist Smp#: 5
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: ICRT L5
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:09 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 12-Feb-2024 13:12:03

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.696	2.696	0.000	8881129	1.01	0.9408	
2 Hydrogen	3.122	3.122	0.000	14485267	0.99	0.9356	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_CCV_00004

Amount Added: 1.00

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB05.D

Injection Date: 12-Feb-2024 10:42:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: ICRT L5

Worklist Smp#: 5

Client ID:

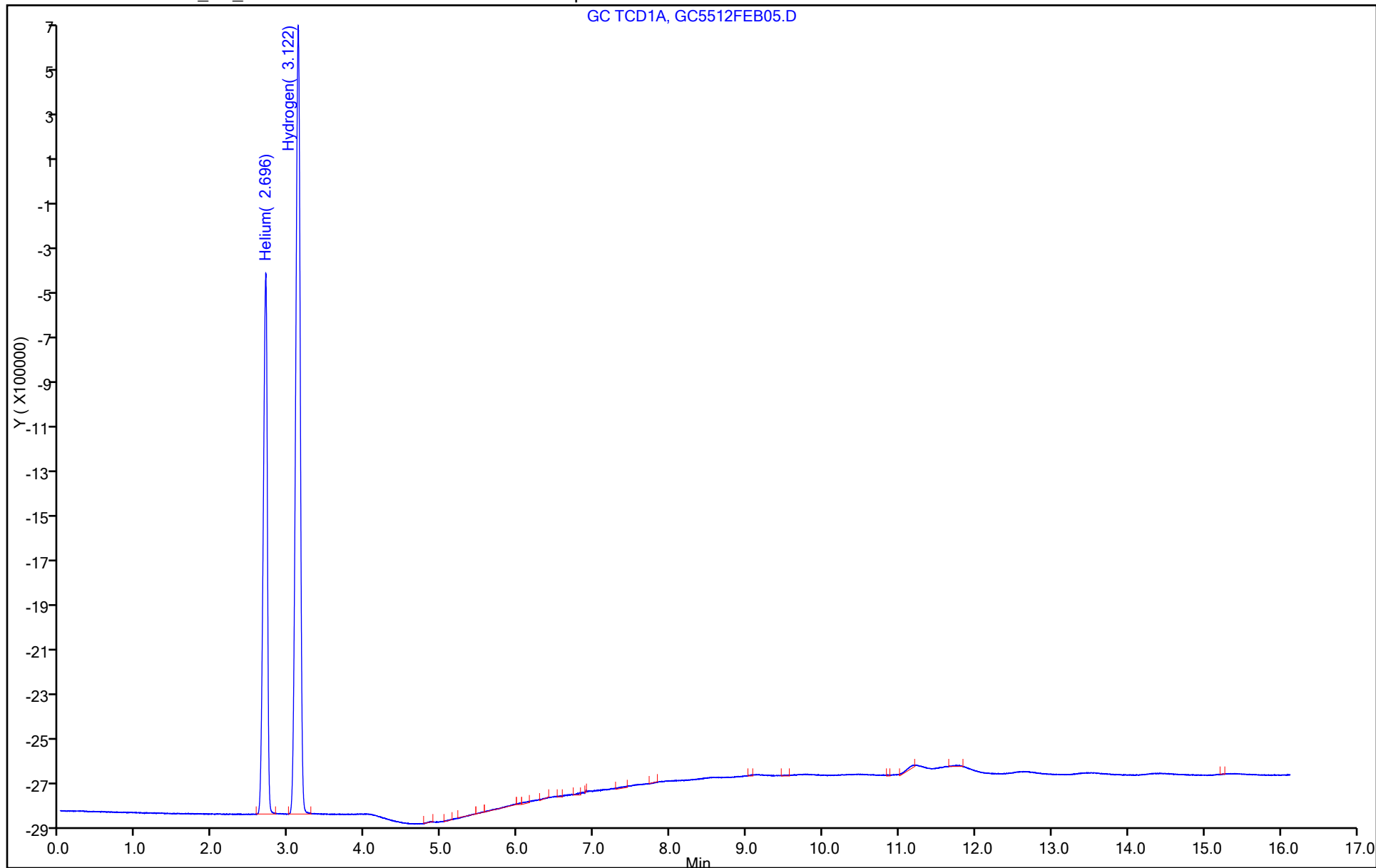
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 12-Feb-2024 11:13:30 ALS Bottle#: 1 Worklist Smp#: 6
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: IC L6
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:10 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 12-Feb-2024 13:11:14

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.736	2.696	0.040	17913560	2.02	1.90	
2 Hydrogen	3.162	3.122	0.040	29351286	1.99	1.90	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_CCV_00004

Amount Added: 2.00

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB06.D

Injection Date: 12-Feb-2024 11:13:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: IC L6

Worklist Smp#: 6

Client ID:

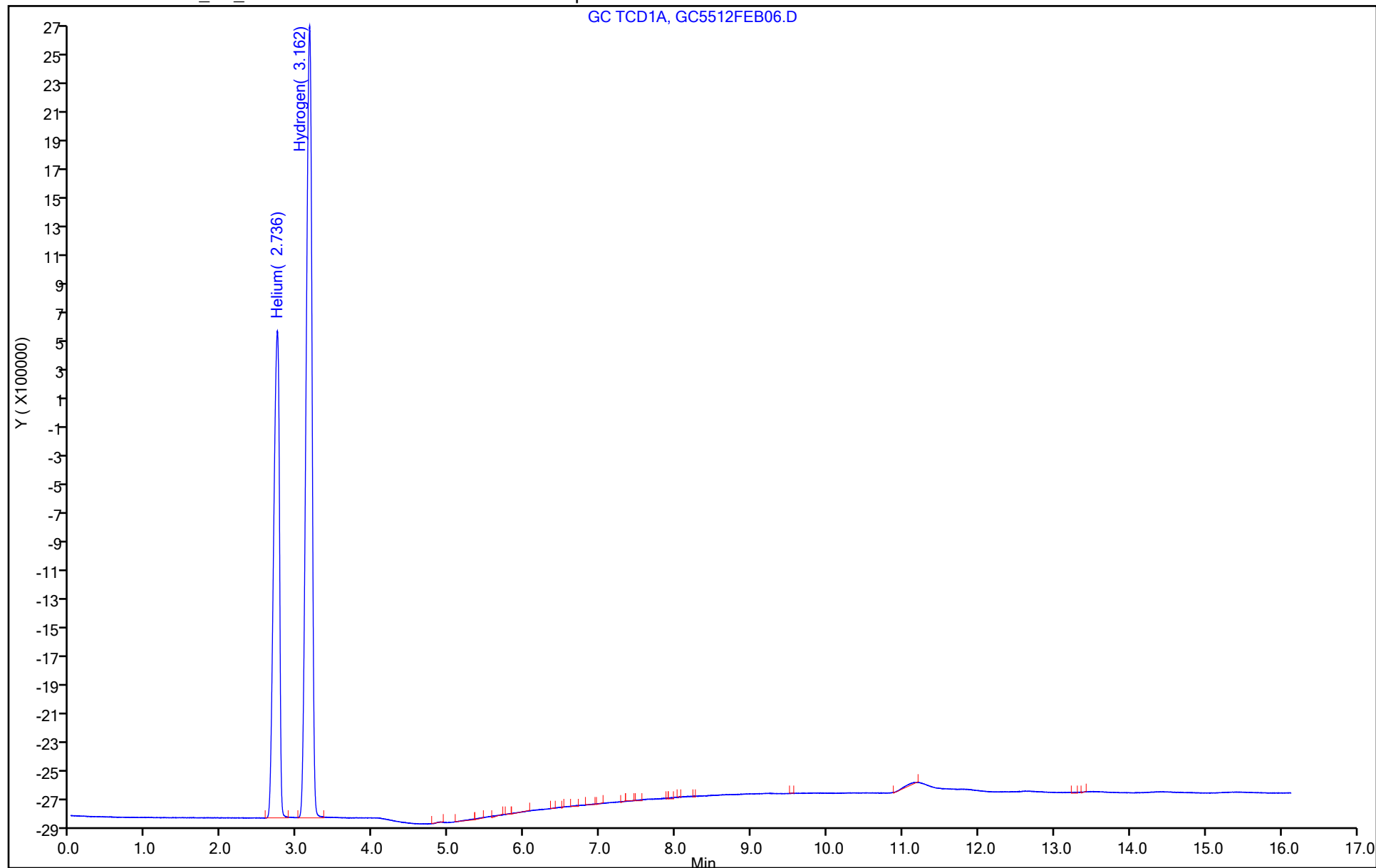
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB07.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Feb-2024 11:42:30 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: IC L7
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:11 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 12-Feb-2024 13:12:15

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.794	2.696	0.098	45046307	5.05	4.77	
2 Hydrogen	3.229	3.122	0.107	74134084	4.97	4.79	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_CCV_00004

Amount Added: 5.00

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB07.D

Injection Date: 12-Feb-2024 11:42:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: IC L7

Worklist Smp#: 7

Client ID:

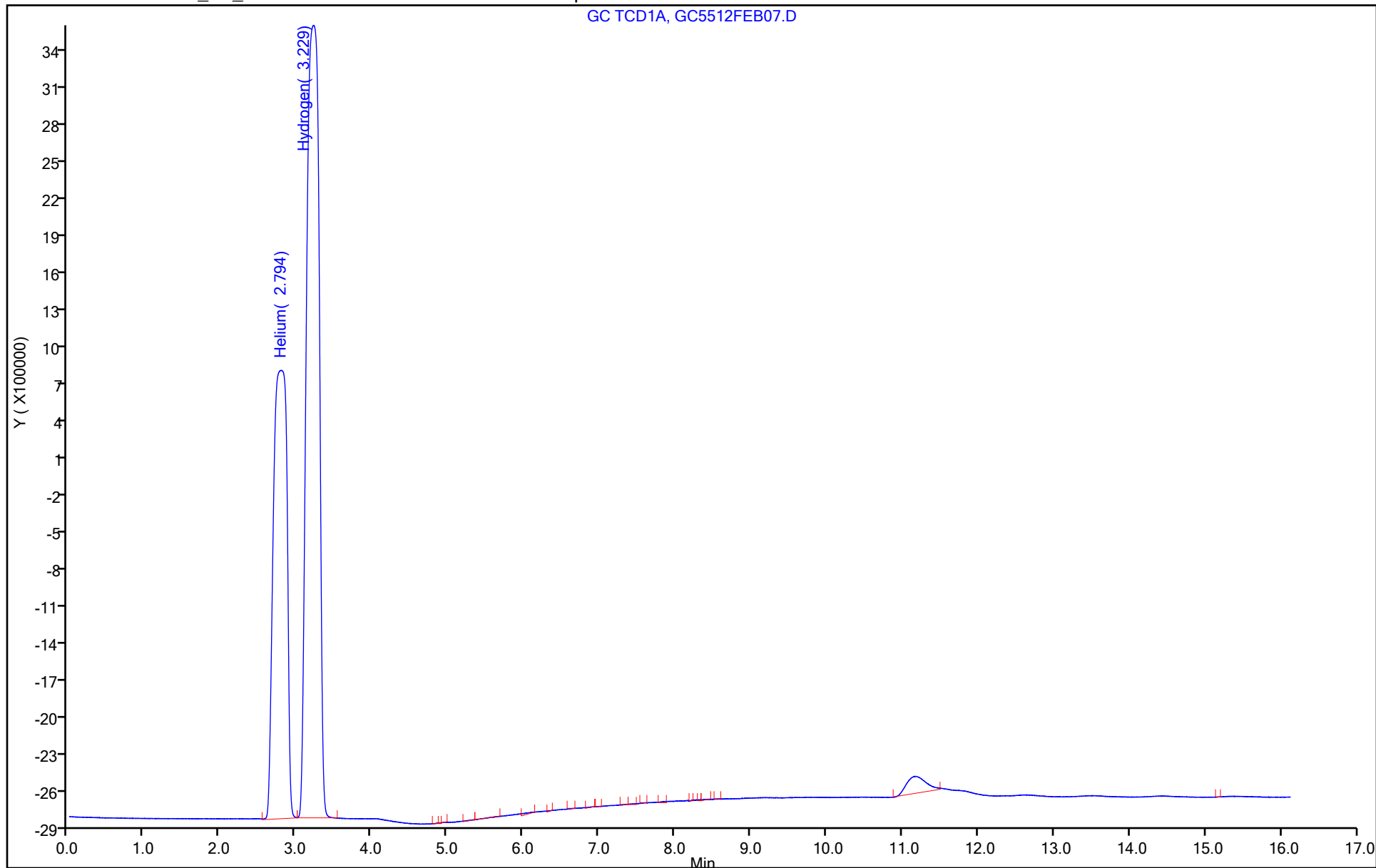
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Feb-2024 12:04:30 ALS Bottle#: 1 Worklist Smp#: 8
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: IC L8
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:12 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 12-Feb-2024 13:11:01

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.923	2.696	0.227	88339147	10.1	9.36	Ma
2 Hydrogen	3.346	3.122	0.224	149719475	9.94	9.67	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

A_He/H2_CCV_00004

Amount Added: 10.00

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D

Injection Date: 12-Feb-2024 12:04:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: IC L8

Worklist Smp#: 8

Client ID:

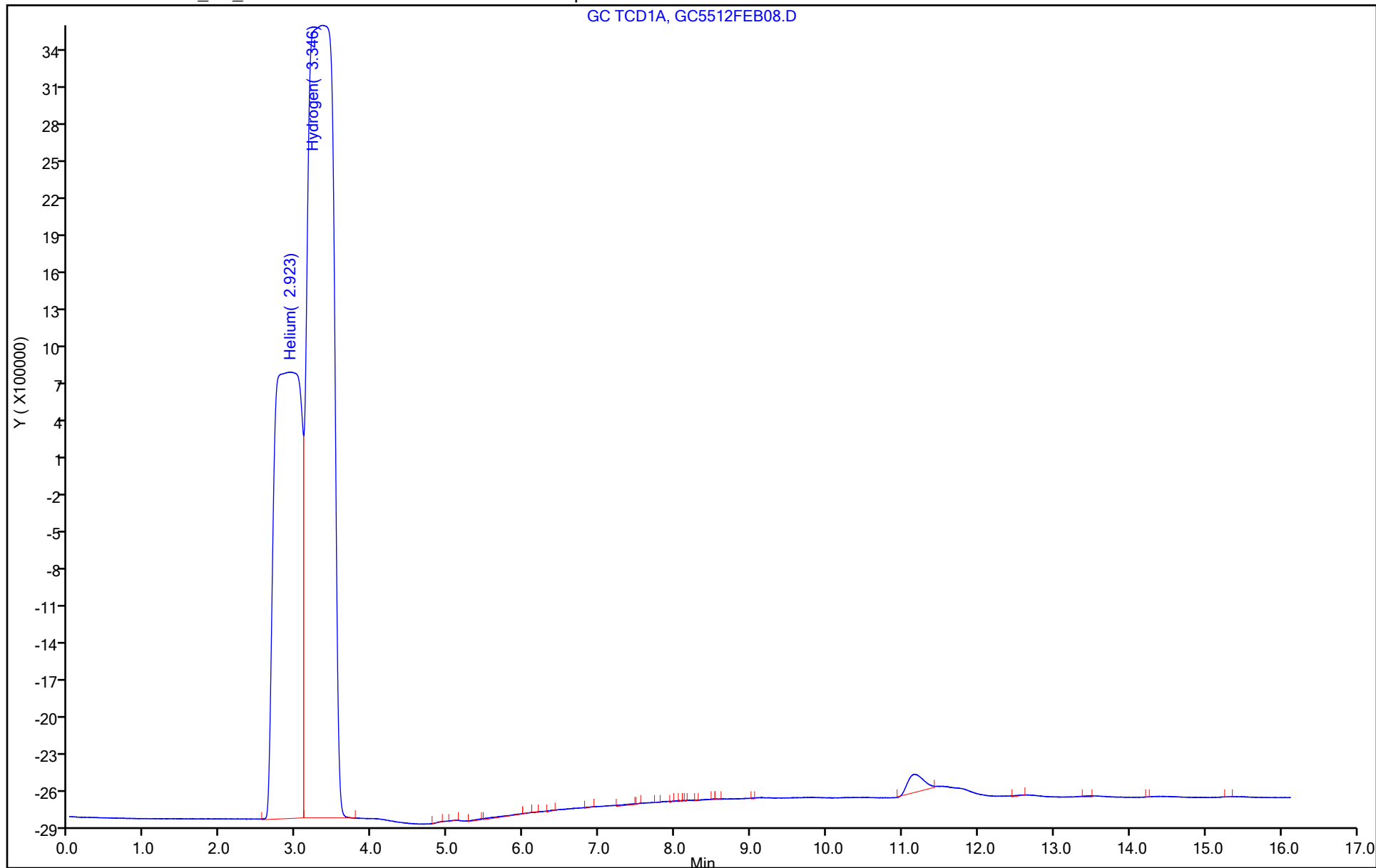
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



Eurofins Calscience

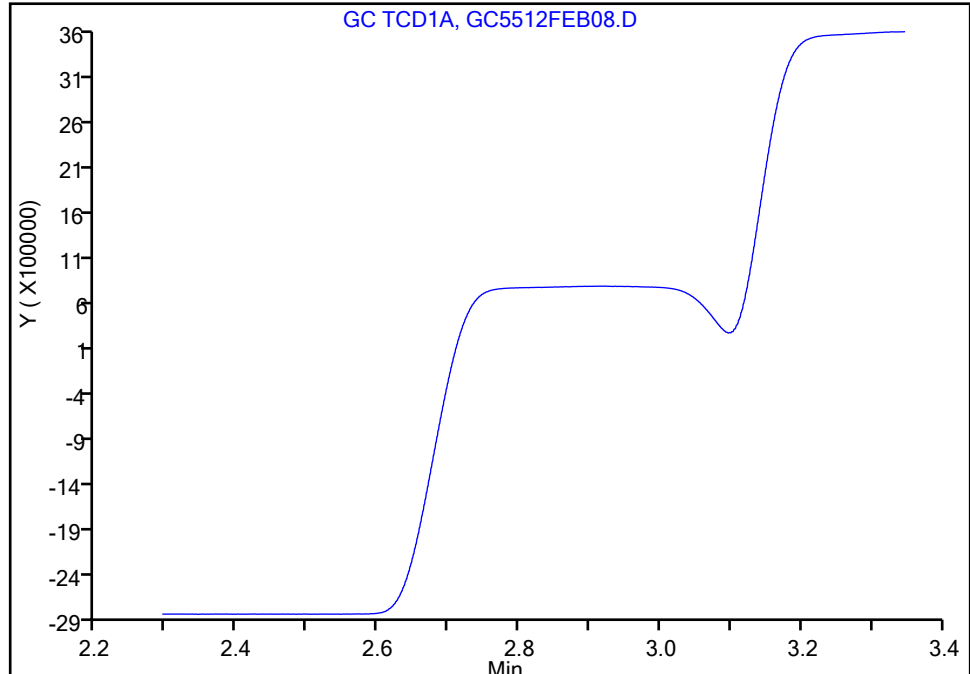
Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Injection Date: 12-Feb-2024 12:04:30 Instrument ID: GC55
Lims ID: IC L8
Client ID:
Operator ID: I9H5 ALS Bottle#: 1 Worklist Smp#: 8
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Method: HE_H2_GC55 Limit Group: GCV - D1946 EPA 3C
Column: Detector GC TCD1A

1 Helium, CAS: 7440-59-7

Signal: 1

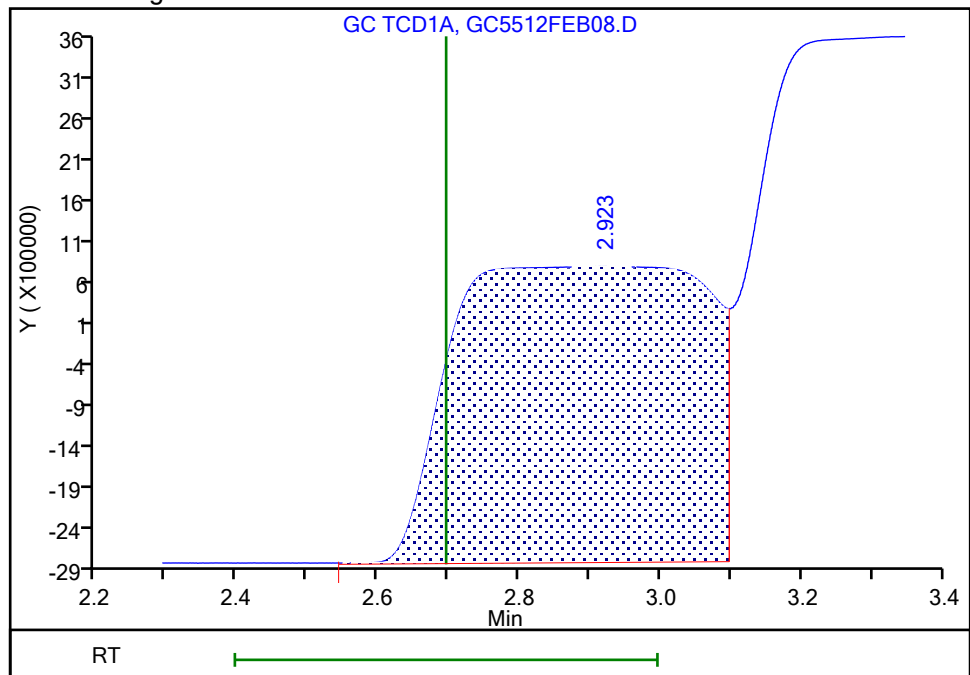
Not Detected
Expected RT: 2.70

Processing Integration Results



RT: 2.92
Area: 88339147
Amount: 9.357685
Amount Units: % v/v

Manual Integration Results



Reviewer: I9H5, 12-Feb-2024 13:10:55 -08:00:00 (UTC)

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D

Injection Date: 12-Feb-2024 12:04:30

Instrument ID: GC55

Lims ID: IC L8

Client ID:

Operator ID: I9H5

ALS Bottle#: 1 Worklist Smp#: 8

Purge Vol: 1.000 mL

Dil. Factor: 1.0000

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C

Column:

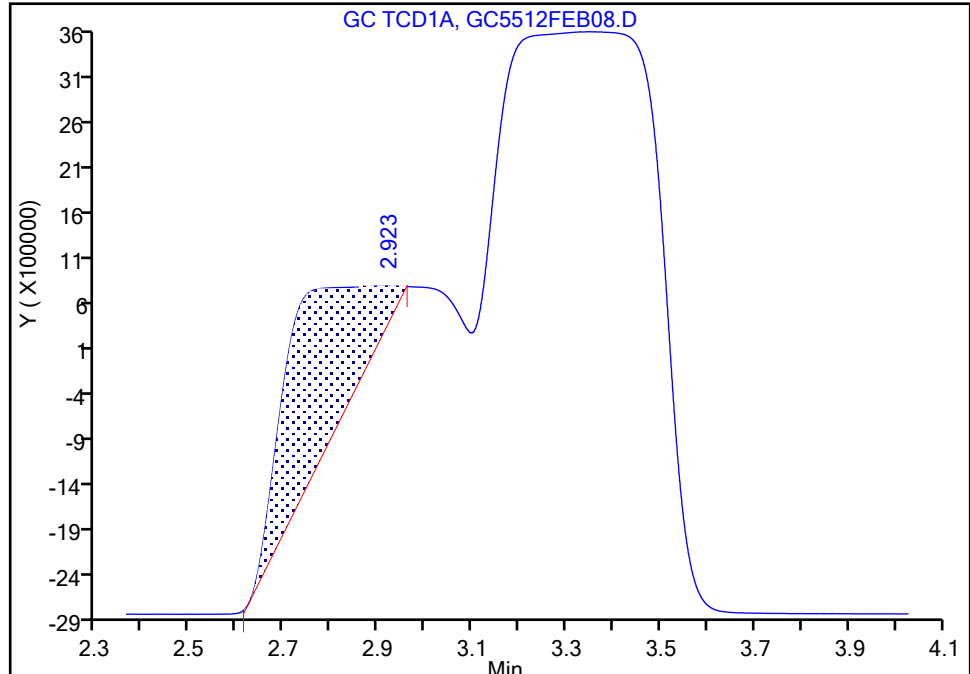
Detector GC TCD1A

2 Hydrogen, CAS: 1333-74-0

Signal: 1

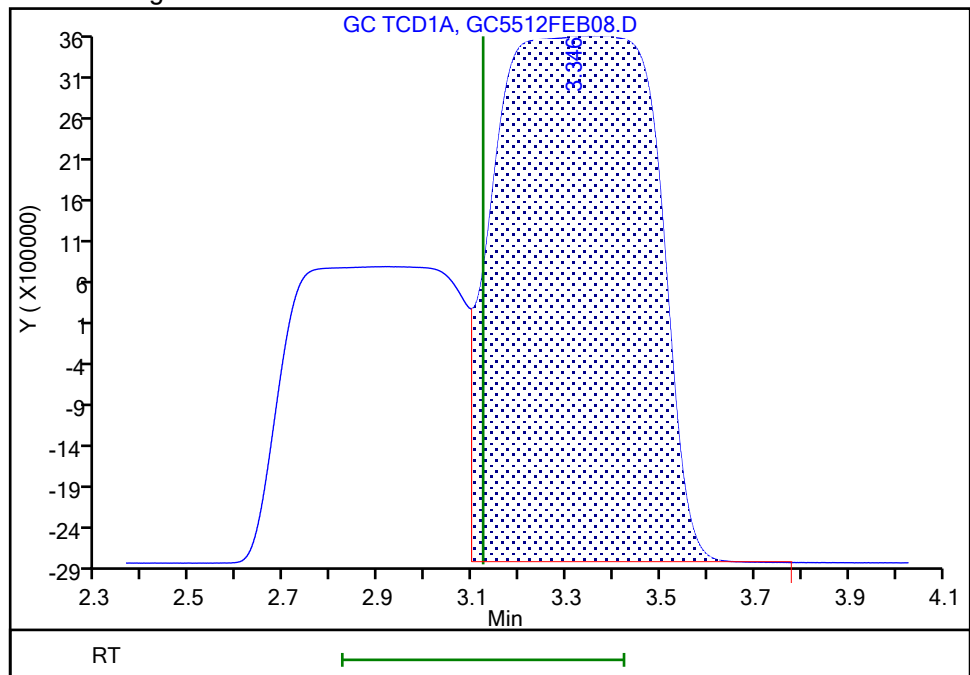
RT: 2.92
Area: 22699686
Amount: 1.634741
Amount Units: % v/v

Processing Integration Results



RT: 3.35
Area: 149719475
Amount: 9.669845
Amount Units: % v/v

Manual Integration Results



Reviewer: I9H5, 12-Feb-2024 13:10:59 -08:00:00 (UTC)

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Calibration

/ Helium

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

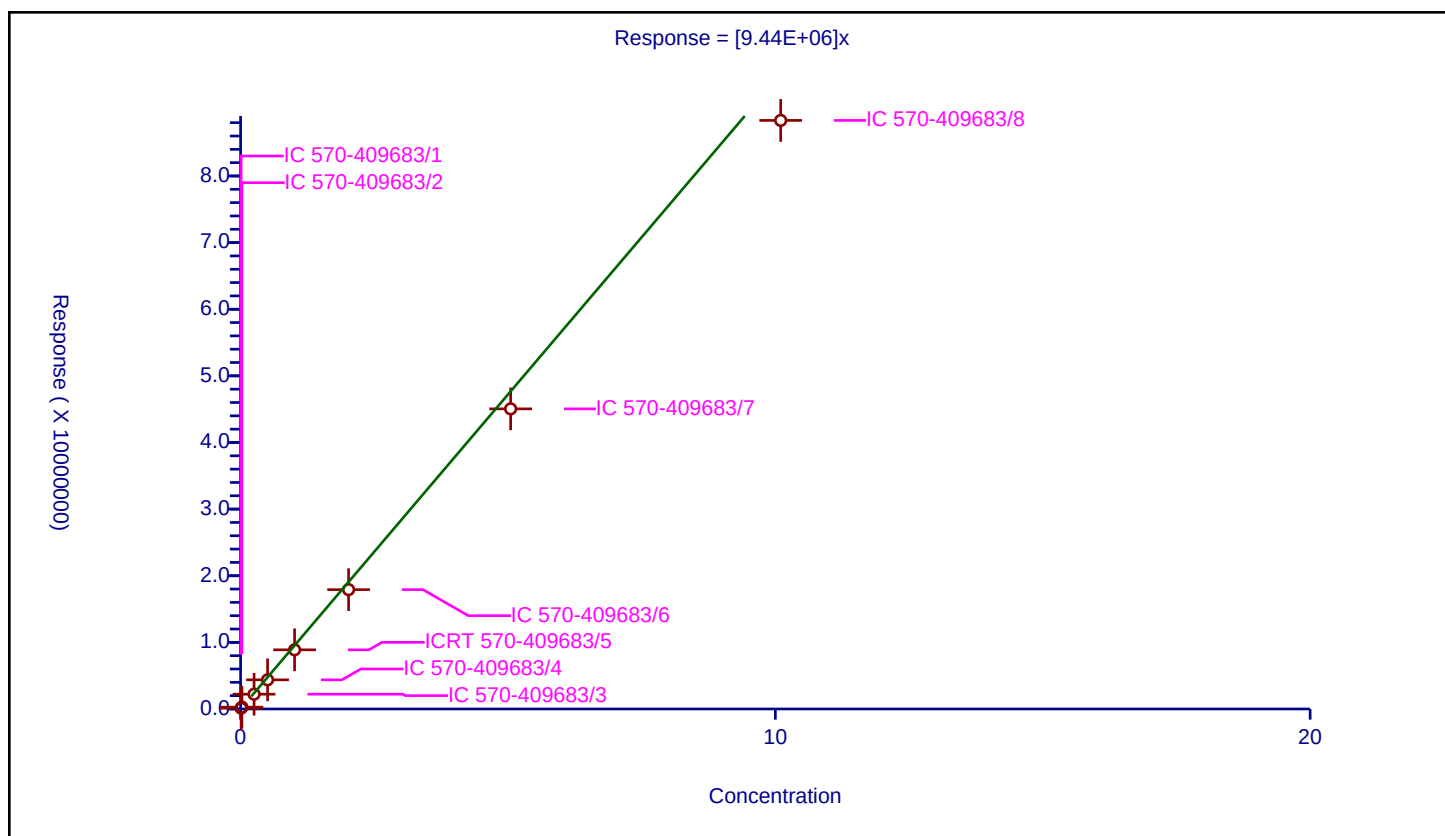
Curve Coefficients

Intercept: 0
Slope: 9.44E+06

Error Coefficients

Relative Standard Deviation: 13.0

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 570-409683/1	0.0101	120453.0			11926039.60396	Y
2	IC 570-409683/2	0.02525	272881.0			10807168.316832	Y
3	IC 570-409683/3	0.2525	2221284.0			8797164.356436	Y
4	IC 570-409683/4	0.505	4375343.0			8664045.544554	Y
5	ICRT 570-409683/5	1.01	8881129.0			8793197.029703	Y
6	IC 570-409683/6	2.02	17913560.0			8868099.009901	Y
7	IC 570-409683/7	5.05	45046307.0			8920060.792079	Y
8	IC 570-409683/8	10.1	88339147.0			8746450.19802	Y



Calibration

/ Hydrogen

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

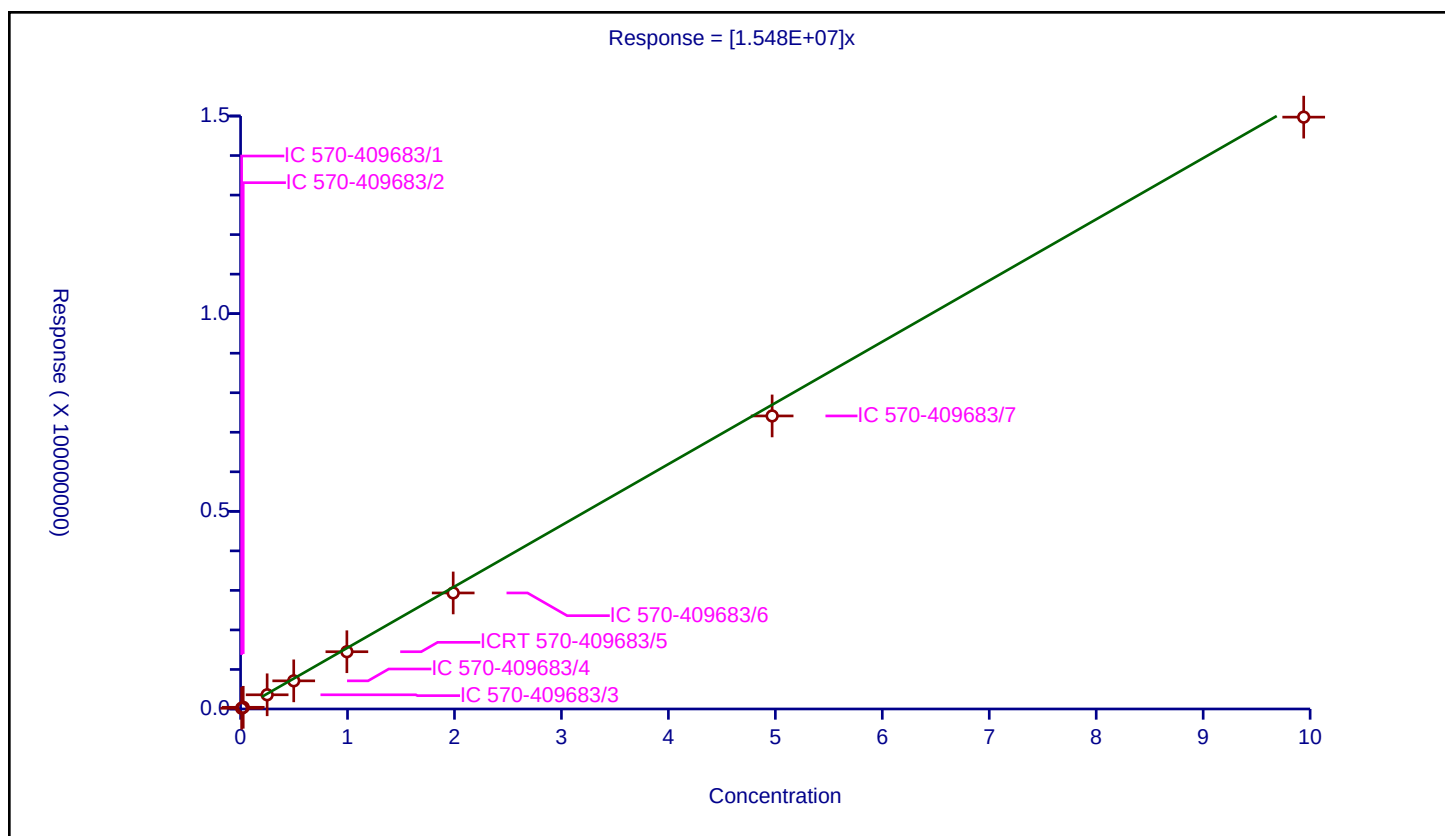
Curve Coefficients

Intercept: 0
Slope: 1.548E+07

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 570-409683/1	0.00994	184386.0			18549899.396378	Y
2	IC 570-409683/2	0.02485	427501.0			17203259.557344	Y
3	IC 570-409683/3	0.2485	3594824.0			14466092.555332	Y
4	IC 570-409683/4	0.497	7122126.0			14330233.400402	Y
5	ICRT 570-409683/5	0.994	14485267.0			14572703.219316	Y
6	IC 570-409683/6	1.988	29351286.0			14764228.370221	Y
7	IC 570-409683/7	4.97	74134084.0			14916314.688129	Y
8	IC 570-409683/8	9.94	149719475.0			15062321.428571	Y



FORM VII
AIR - GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Calscience Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab Sample ID: ICV 570-409683/9 Calibration Date: 02/12/2024 13:37
Instrument ID: GC55 Calib Start Date: 02/12/2024 09:17
GC Column: Chromosil310 ID: 0.13(in) Calib End Date: 02/12/2024 12:04
Lab File ID: GC5512FEB09.D Conc. Units: % v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Helium	Ave	9440278	8297698		0.888	1.01	-12.1	20.0
Hydrogen	Ave	15483132	13796635		0.879	0.987	-10.9	20.0

Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB09.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 12-Feb-2024 13:37:30 ALS Bottle#: 1 Worklist Smp#: 9
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Operator ID: I9H5 Instrument ID: GC55
Sublist:
Method: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 13-Feb-2024 13:21:12 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1691

First Level Reviewer: I9H5

Date: 13-Feb-2024 13:22:19

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.727	2.696	0.031	8380675	1.01	0.8878	
2 Hydrogen	3.154	3.122	0.032	13617279	0.9870	0.8795	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_LCS_00003

Amount Added: 1.00

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB09.D

Injection Date: 12-Feb-2024 13:37:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: ICV

Worklist Smp#: 9

Client ID:

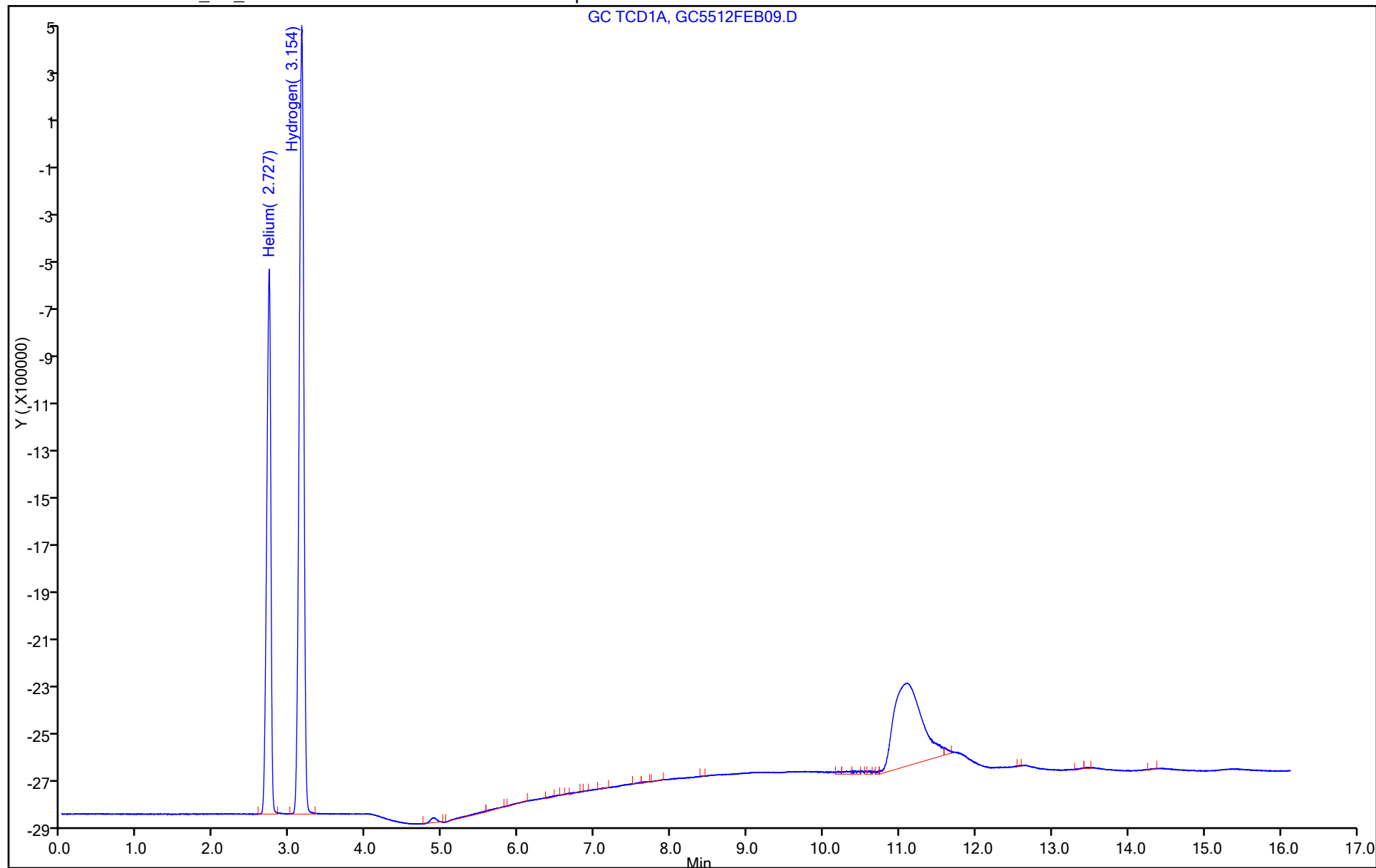
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



FORM VII
AIR - GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Calscience Job No.: 200-76392-1
SDG No.: 200-76392-1
Lab Sample ID: CCVRT 570-520792/1 Calibration Date: 01/07/2025 08:37
Instrument ID: GC55 Calib Start Date: 02/12/2024 09:17
GC Column: Chromosil310 ID: 0.13(in) Calib End Date: 02/12/2024 12:04
Lab File ID: GC5507JAN01.D Conc. Units: % v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Helium	Ave	9440278	8447540		0.904	1.01	-10.5	20.0
Hydrogen	Ave	15483132	14075721		0.904	0.994	-9.1	20.0

Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN01.D
Lims ID: CCVRT
Client ID:
Sample Type: CCVRT
Inject. Date: 07-Jan-2025 08:37:30 ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: CCVRT 1ML J
Operator ID: I9H5 Instrument ID: GC55
Sublist: chrom-HE_H2_GC55*sub2
Method: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 07-Jan-2025 12:11:51 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1688

First Level Reviewer: I9H5

Date: 07-Jan-2025 12:11:51

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.727	2.727	0.000	8532015	1.01	0.9038	
2 Hydrogen	3.154	3.154	0.000	13991267	0.99	0.9036	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_CCv_00004

Amount Added: 1.00

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN01.D

Injection Date: 07-Jan-2025 08:37:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: CCVRT

Worklist Smp#: 1

Client ID:

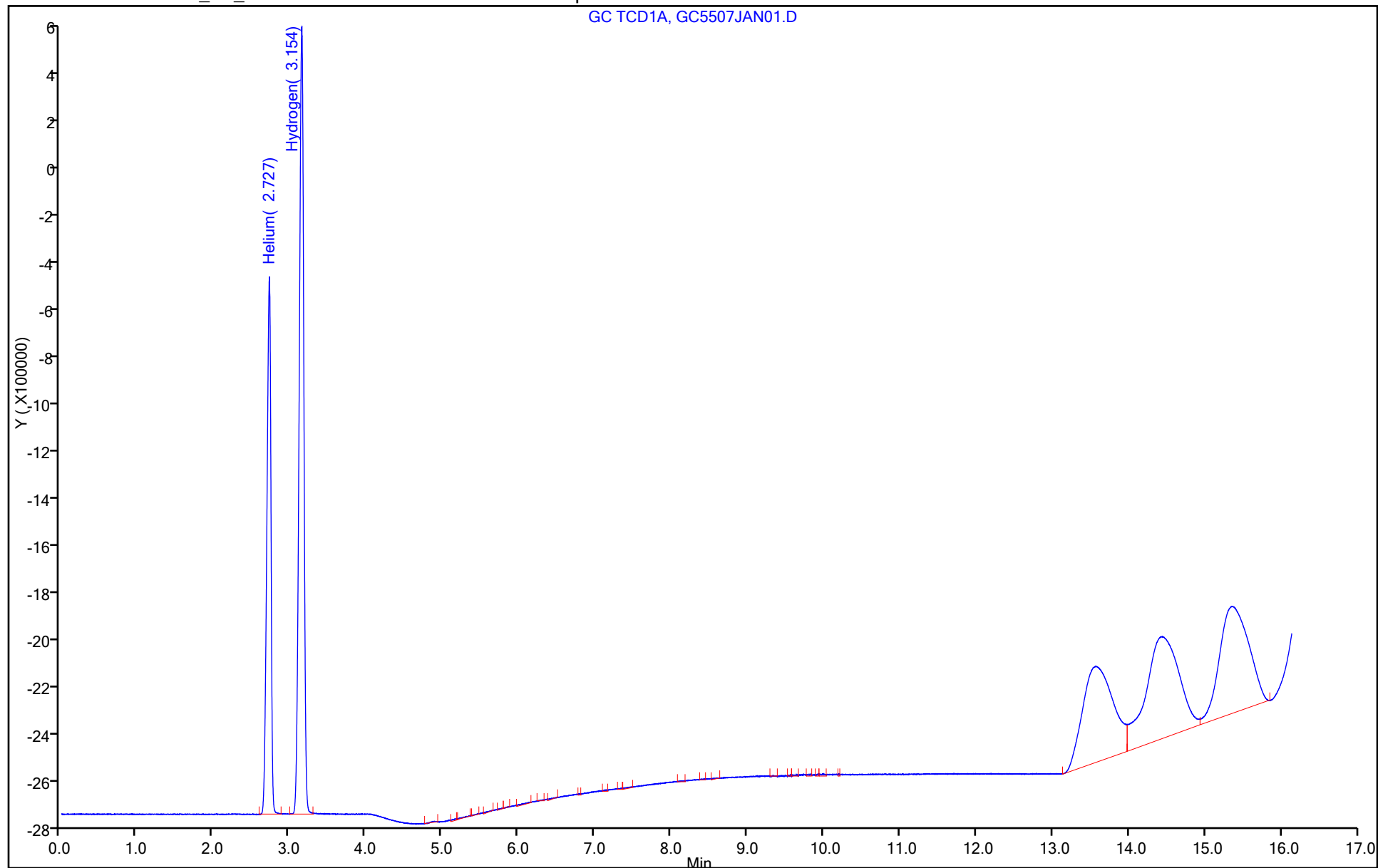
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Calscience Job No.: 200-76392-1
SDG No.: 200-76392-1
Client Sample ID: _____ Lab Sample ID: MB 570-520792/4
Matrix: Air Lab File ID: GC5507JAN04.D
Analysis Method: D1946 Date Collected: _____
Sample wt/vol: 1 (mL) Date Analyzed: 01/07/2025 10:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Chromosil310 ID: 0.125 (in)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 520792 Units: % v/v
Preparation Batch No.: _____ Instrument ID: GC55

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	0.025	U	0.025	0.0082

Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN04.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Jan-2025 10:31:30 ALS Bottle#: 1 Worklist Smp#: 4
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: MB 1ML J
Operator ID: I9H5 Instrument ID: GC55
Method: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 07-Jan-2025 12:12:07 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1688

First Level Reviewer: I9H5

Date: 07-Jan-2025 12:12:07

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.712	2.727	-0.015	19128		0.002026	
2 Hydrogen		3.154				ND	U

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN04.D

Injection Date: 07-Jan-2025 10:31:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: MB

Worklist Smp#: 4

Client ID:

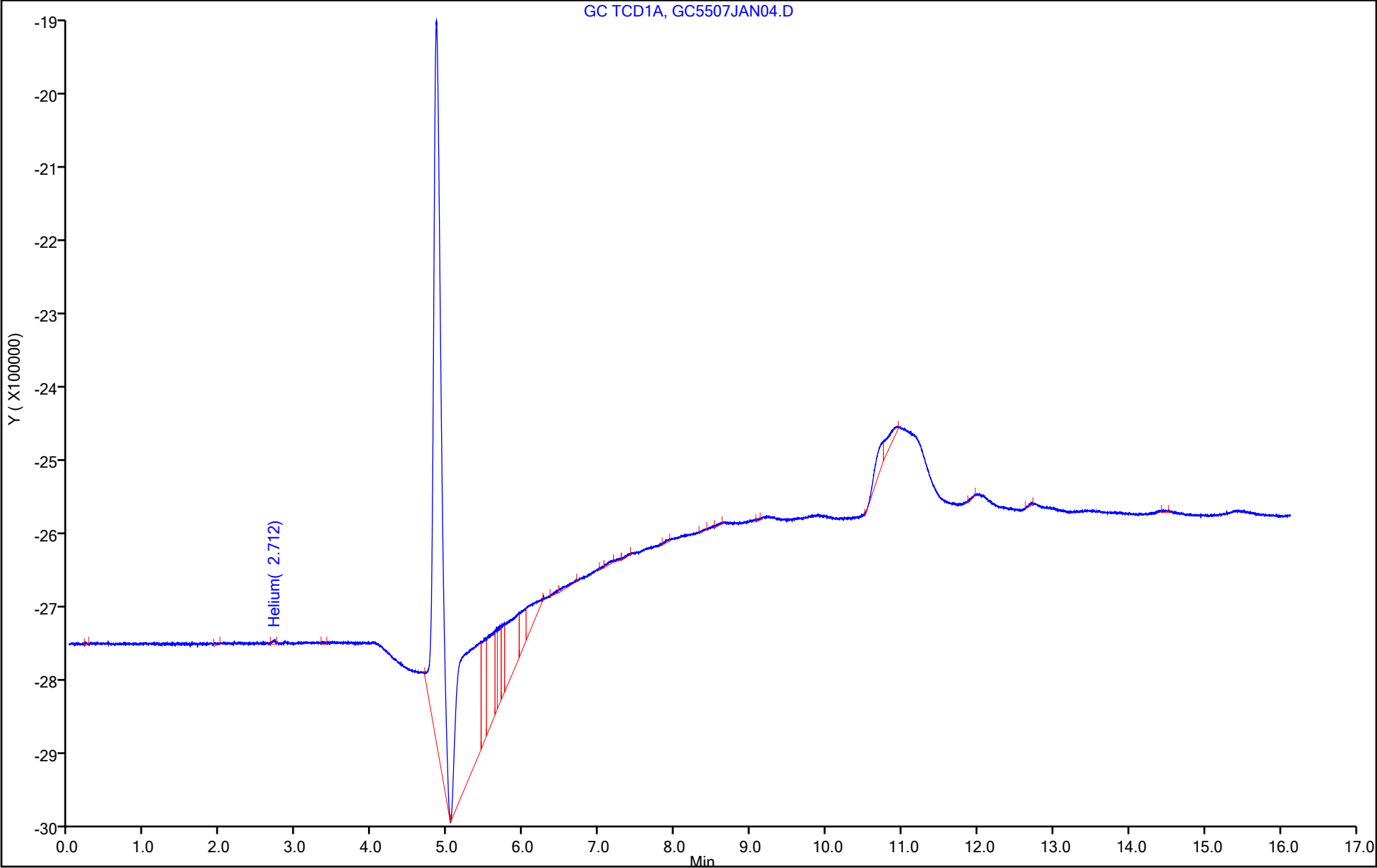
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Calscience</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 570-520792/2</u>
Matrix: <u>Air</u>	Lab File ID: <u>GC5507JAN02.D</u>
Analysis Method: <u>D1946</u>	Date Collected: _____
Sample wt/vol: <u>1 (mL)</u>	Date Analyzed: <u>01/07/2025 08:59</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Chromosil310</u> ID: <u>0.125 (in)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>520792</u>	Units: <u>% v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>GC55</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	0.896		0.025	0.0082

Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN02.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Jan-2025 08:59:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: LCS 1ML J
Operator ID: I9H5 Instrument ID: GC55
Method: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 07-Jan-2025 12:11:51 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1688

First Level Reviewer: I9H5

Date: 07-Jan-2025 12:11:55

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.718	2.727	-0.009	8455658	1.01	0.8957	
2 Hydrogen	3.142	3.154	-0.012	13944827	0.9870	0.9006	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_LCS_00003

Amount Added: 1.00

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN02.D

Injection Date: 07-Jan-2025 08:59:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: LCS

Worklist Smp#: 2

Client ID:

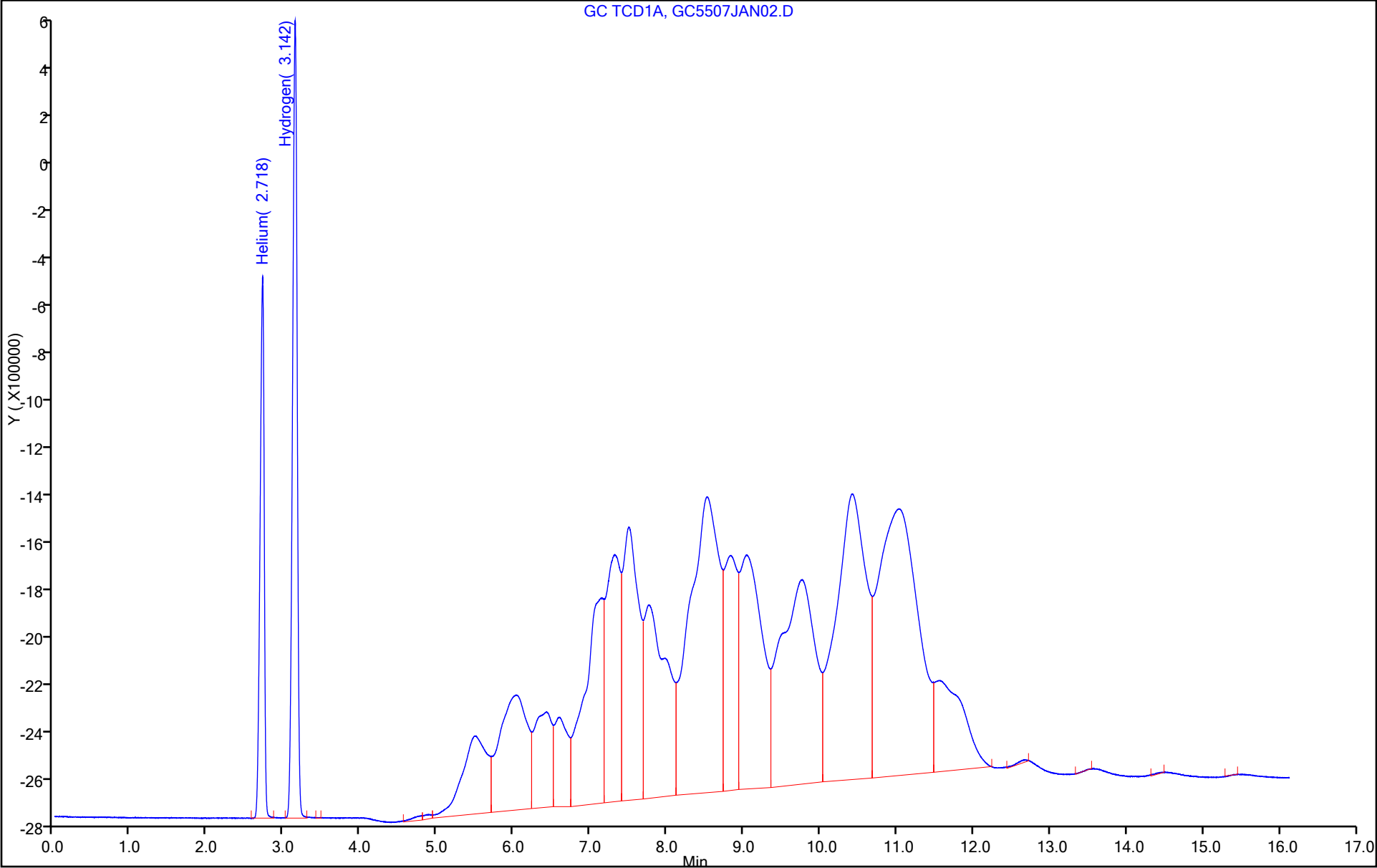
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Calscience</u>	Job No.: <u>200-76392-1</u>
SDG No.: <u>200-76392-1</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCSD 570-520792/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>GC5507JAN03.D</u>
Analysis Method: <u>D1946</u>	Date Collected: _____
Sample wt/vol: <u>1 (mL)</u>	Date Analyzed: <u>01/07/2025 09:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Chromosil310</u> ID: <u>0.125 (in)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>520792</u>	Units: <u>% v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>GC55</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	0.884		0.025	0.0082

Eurofins Calscience
Target Compound Quantitation Report

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN03.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 07-Jan-2025 09:28:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 1.000 mL Dil. Factor: 1.0000
Sample Info: LCSD 1ML J
Operator ID: I9H5 Instrument ID: GC55
Method: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\HE_H2_GC55.m
Limit Group: GCV - D1946 EPA 3C
Last Update: 07-Jan-2025 12:11:51 Calib Date: 12-Feb-2024 12:04:30
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\CalScience\ChromData\GC55\20240212-117920.b\GC5512FEB08.D
Column 1 : Det: GC TCD1A
Process Host: CTX1688

First Level Reviewer: I9H5

Date: 07-Jan-2025 12:11:58

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
1 Helium	2.732	2.727	0.005	8347401	1.01	0.8842	
2 Hydrogen	3.158	3.154	0.004	13860891	0.9870	0.8952	

QC Flag Legend

Processing Flags

Reagents:

A_He/H2_LCS_00003

Amount Added: 1.00

Units: mL

Eurofins Calscience

Data File: \\chromfs\CalScience\ChromData\GC55\20250107-149224.b\GC5507JAN03.D

Injection Date: 07-Jan-2025 09:28:30

Instrument ID: GC55

Operator ID: I9H5

Lims ID: LCSD

Worklist Smp#: 3

Client ID:

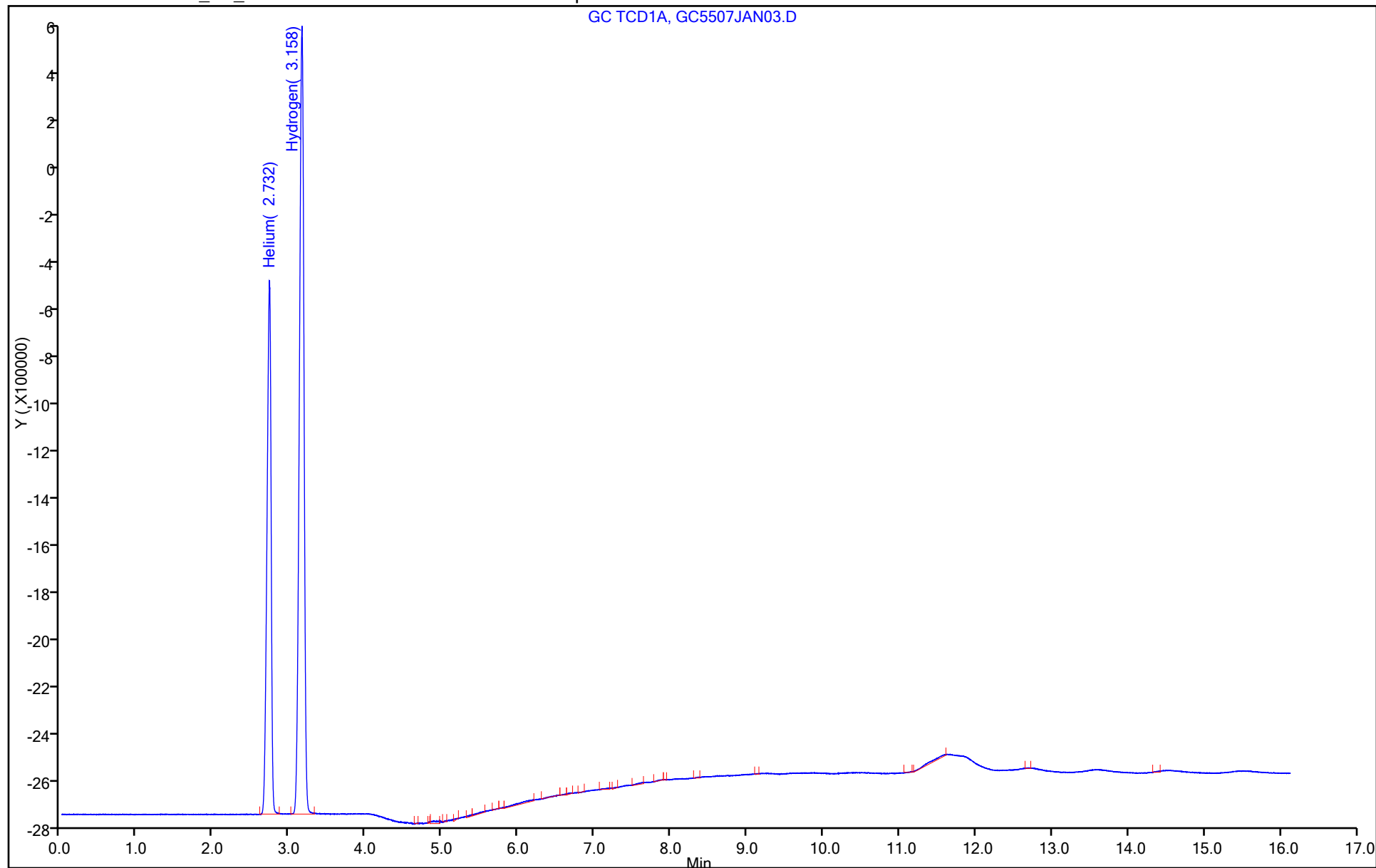
Purge Vol: 1.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

Method: HE_H2_GC55

Limit Group: GCV - D1946 EPA 3C



AIR - GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Calscience Job No.: 200-76392-1
 SDG No.: 200-76392-1
 Instrument ID: GC55 Start Date: 02/12/2024 09:17
 Analysis Batch Number: 409683 End Date: 02/12/2024 13:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 570-409683/1		02/12/2024 09:17	1	GC5512FEB01.D	Chromosil310 0.125(in)
IC 570-409683/2		02/12/2024 09:39	1	GC5512FEB02.D	Chromosil310 0.125(in)
IC 570-409683/3		02/12/2024 10:01	1	GC5512FEB03.D	Chromosil310 0.125(in)
IC 570-409683/4		02/12/2024 10:21	1	GC5512FEB04.D	Chromosil310 0.125(in)
ICRT 570-409683/5		02/12/2024 10:42	1	GC5512FEB05.D	Chromosil310 0.125(in)
CCV 570-409683/1005		02/12/2024 10:42	1		Chromosil310 0.125(in)
IC 570-409683/6		02/12/2024 11:13	1	GC5512FEB06.D	Chromosil310 0.125(in)
IC 570-409683/7		02/12/2024 11:42	1	GC5512FEB07.D	Chromosil310 0.125(in)
IC 570-409683/8		02/12/2024 12:04	1	GC5512FEB08.D	Chromosil310 0.125(in)
ICV 570-409683/9		02/12/2024 13:37	1	GC5512FEB09.D	Chromosil310 0.125(in)

AIR - GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Calscience

Job No.: 200-76392-1

SDG No.: 200-76392-1

Instrument ID: GC55

Start Date: 01/07/2025 08:37

Analysis Batch Number: 520792

End Date: 01/07/2025 12:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 570-520792/1		01/07/2025 08:37	1	GC5507JAN01.D	Chromosil310 0.125(in)
LCS 570-520792/2		01/07/2025 08:59	1	GC5507JAN02.D	Chromosil310 0.125(in)
LCSD 570-520792/3		01/07/2025 09:28	1	GC5507JAN03.D	Chromosil310 0.125(in)
MB 570-520792/4		01/07/2025 10:31	1	GC5507JAN04.D	Chromosil310 0.125(in)
ZZZZZ (Client)		01/07/2025 10:52	1		Chromosil310 0.125(in)
ZZZZZ (Client)		01/07/2025 11:13	1		Chromosil310 0.125(in)
200-76392-1	SV122024KT001	01/07/2025 11:35	1	GC5507JAN07.D	Chromosil310 0.125(in)
ZZZZZ (Client)		01/07/2025 12:02	1		Chromosil310 0.125(in)
ZZZZZ (Client)		01/07/2025 12:23	1		Chromosil310 0.125(in)
ZZZZZ (Client)		01/07/2025 12:48	1		Chromosil310 0.125(in)

AIR - GC VOA BATCH WORKSHEET

Lab Name: Eurofins Calscience Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 409683 Batch Start Date: 02/12/24 09:17 Batch Analyst: Pham, Quynh Huong

Batch Method: D1946 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	A_He/H2_CCV 00004	A_He/H2_LCS 00003		
IC 570-409683/1		D1946			1 mL	1 mL	0.01 mL			
IC 570-409683/2		D1946			1 mL	1 mL	0.025 mL			
IC 570-409683/3		D1946			1 mL	1 mL	0.25 mL			
IC 570-409683/4		D1946			1 mL	1 mL	0.5 mL			
ICRT 570-409683/5		D1946			1 mL	1 mL	1 mL			
IC 570-409683/6		D1946			1 mL	1 mL	2 mL			
IC 570-409683/7		D1946			1 mL	1 mL	5 mL			
IC 570-409683/8		D1946			1 mL	1 mL	10 mL			
ICV 570-409683/9		D1946			1 mL	1 mL		1 mL		

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 VOA BATCH WORKSHEET

Lab Name: Eurofins Calscience Job No.: 200-76392-1

SDG No.: 200-76392-1

Batch Number: 520792 Batch Start Date: 01/07/25 08:37 Batch Analyst: Pham, Quynh Huong

Batch Method: D1946 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	A_He/H2_CCV 00004	A_He/H2_LCS 00003		
CCVRT 570-520792/1		D1946			1 mL	1 mL	1 mL			
LCS 570-520792/2		D1946			1 mL	1 mL		1 mL		
LCSD 570-520792/3		D1946			1 mL	1 mL		1 mL		
MB 570-520792/4		D1946			1 mL	1 mL				
200-76392-A-1	SV122024KT001	D1946	Air	T	1 mL	1 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.

D1946

Page 1 of 1

Summa Canister Dilution Worksheet

Client: GHD Services Inc.
Project/Site: Enterprise Plaza - OU-1

Job No.: 200-76392-1
SDG No.: 200-76392-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
200-76392-1	6	-1	0.97	5.80	-0.491154	0.97	5.80		1.00	1.00	air mg7	01/07/25 11:21	I9H5

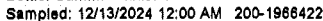
Formulae:

Preadjusted Volume (L) = $((\text{Preadjusted Pressure ("Hg)} + 29.92 \text{ "Hg}) * \text{Vol L}) / 29.92 \text{ "Hg}$
 Adjusted Volume (L) = $((\text{Adjusted Pressure (psig)} + 14.7 \text{ psig}) * \text{Vol L}) / 14.7 \text{ psig}$
 Dilution Factor = $\text{Adjusted Volume (L)} / \text{Preadjusted Volume (L)}$

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)
 14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Canister Cleaning & Pre-Shipment Leak Test



Air-Storage

Date:

Date:

Inventory Level		Secondary Review
Inventory Level		Secondary Review

Sup TeesVac gauges (enter IDs if included):

TestAmerica Burlington

5:38:14 PM

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:								
Oven 3/4	10		12/13/2024	22	SML	6 liter	batch								
Port	Can ID	Initial ¹ (psia)	Final (psia)	Diff. ³	Final ("Hg)	Gauge:	Date:	Initial Reading Time:	Tech:	Temp:	Gauge:	Date:	Final Reading Time:	Tech:	Temp:
1	2567	29.9	30.7	0.8	30.1	GA01	12/14/24	13:10	✓	22.0	GA01	12/15/24	10:34	✓	22.0
2	2843	29.9	30.7	0.8	30.1	GA01					GA01				
3	4305	29.9	30.7	0.8	30.1	GA01					GA01				
4	3658	29.9	30.7	0.8	30.1	GA01					GA01				
5	5411	29.9	30.7	0.8	30.1	GA01					GA01				
6	8445	29.9	30.7	0.8	30.1	GA01					GA01				
7	5026	29.9	30.7	0.8	30.1	GA01					GA01				
8	6259	29.9	30.7	0.8	30.1	GA01					GA01				
9	4271	29.9	30.7	0.8	30.1	GA01					GA01				
10	3273	29.9	30.7	0.8	30.1	GA01	12/15/24	11:18	✓	22.0	GA01	12/17/24	10:36	✓	22.0
11	34001293	29.9	30.7	0.8	30.1	GA01	12/14/24	13:10	✓	22.0	GA01	12/15/24	10:34	✓	22.0
12	4083	29.9	30.7	0.8	30.1	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.

PM Authorization Date: _____

Clean Canister Certification Analysis & Authorization of Release to Inventory					
Test Method:	Can ID	Date	Sequence	Analyst	Inventory Level
☐ TO15 Routine ☐ TO15 LL	3273	12/15/24	63367	ABT	1
					2
					3
					4
					Limited
					Review Date
					12/15/24
					Review
					CC

Comments: _____

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.

Sup Tees/Vac gauges (enter IDs if included): _____

5:38:14 PM 7/20/25

Form ID: FAI023:12

Revision Date: 12/18/2018

TestAmerica Burlington

200-76237-A-10
 3273
 Location: Air-Storage
 Bottle: Summa Canister 6L
 Sampled: 12/13/2024 12:00 AM 200-1988593

Loc: 200
76237
#10 A
Air-Storage

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

Lab Name: Eurofins Burlington Job No.: 200-76233-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 63369_004.D
 Lab ID: LCS 200-212098/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.5	105	50-158	
Dichlorodifluoromethane	10.0	9.67	97	61-142	
Freon 22	10.0	10.5	105	60-147	
1,2-Dichlorotetrafluoroethane	10.0	9.72	97	71-141	
Chloromethane	10.0	11.2	112	56-141	
n-Butane	10.0	13.5	136	53-151	
Vinyl chloride	10.0	12.8	128	61-135	
1,3-Butadiene	10.0	12.4	124	58-139	
Bromomethane	10.0	9.97	100	72-124	
Chloroethane	10.0	10.7	107	68-130	
Bromoethene (Vinyl Bromide)	10.0	10.2	102	75-125	
Trichlorofluoromethane	10.0	9.63	96	70-129	
Ethanol	15.0	20.2	134	50-150	
Freon TF	10.0	10.0	100	70-121	
1,1-Dichloroethene	10.0	10.1	101	68-120	
Acetone	10.0	10.8	108	54-154	
Isopropyl alcohol	10.0	12.6	126	53-142	
Carbon disulfide	10.0	11.2	112	71-138	
3-Chloropropene	10.0	11.6	116	50-150	
Methylene Chloride	10.0	11.8	118	59-137	
tert-Butyl alcohol	10.0	10.6	106	66-132	
Methyl tert-butyl ether	10.0	10.9	110	70-127	
trans-1,2-Dichloroethene	10.0	11.5	115	69-137	
n-Hexane	10.0	11.4	114	63-138	
1,1-Dichloroethane	10.0	11.0	110	66-130	
Vinyl acetate	10.0	11.8	118	59-149	
Ethyl acetate	10.0	10.5	105	70-131	
Methyl Ethyl Ketone	10.0	11.1	111	72-124	
cis-1,2-Dichloroethene	10.0	9.95	100	72-121	
Chloroform	10.0	10.6	106	73-124	
Tetrahydrofuran	10.0	11.2	112	60-149	
1,1,1-Trichloroethane	10.0	10.3	103	72-127	
Cyclohexane	10.0	10.7	107	76-124	
Carbon tetrachloride	10.0	10.4	104	71-133	
2,2,4-Trimethylpentane	10.0	11.6	116	68-131	
Benzene	10.0	10.9	109	73-119	
1,2-Dichloroethane	10.0	10.8	108	68-135	
n-Heptane	10.0	11.7	117	60-142	
Trichloroethene	10.0	10.4	104	73-122	
Methyl methacrylate	10.0	11.3	113	73-129	
1,2-Dichloropropane	10.0	11.7	117	69-128	
1,4-Dioxane	10.0	9.72	97	66-129	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-76233-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 63369_004.D
 Lab ID: LCS 200-212098/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.0	110	75-127	
cis-1,3-Dichloropropene	10.0	11.0	110	74-125	
methyl isobutyl ketone	10.0	12.1	122	58-144	
Toluene	10.0	10.4	104	75-122	
trans-1,3-Dichloropropene	10.0	11.9	119	74-128	
1,1,2-Trichloroethane	10.0	11.0	110	75-126	
Tetrachloroethene	10.0	9.54	95	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	12.0	120	57-143	
Dibromochloromethane	10.0	10.8	108	73-125	
1,2-Dibromoethane	10.0	10.3	103	78-122	
Chlorobenzene	10.0	10.1	101	76-119	
Ethylbenzene	10.0	10.5	105	74-122	
m,p-Xylene	20.0	20.7	104	76-121	
Xylene, o-	10.0	10.3	103	73-123	
Styrene	10.0	10.4	104	74-125	
Bromoform	10.0	12.2	122	53-149	
Cumene	10.0	10.4	104	73-123	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	74-126	
n-Propylbenzene	10.0	10.8	108	73-127	
4-Ethyltoluene	10.0	10.6	107	75-129	
1,3,5-Trimethylbenzene	10.0	10.5	105	72-126	
2-Chlorotoluene	10.0	10.5	105	74-126	
tert-Butylbenzene	10.0	10.2	102	71-125	
1,2,4-Trimethylbenzene	10.0	10.4	104	71-129	
sec-Butylbenzene	10.0	10.7	108	70-128	
4-Isopropyltoluene	10.0	10.3	103	68-130	
1,3-Dichlorobenzene	10.0	9.71	97	69-131	
1,4-Dichlorobenzene	10.0	9.73	97	67-132	
Benzyl chloride	10.0	10.8	108	60-136	
n-Butylbenzene	10.0	10.9	109	65-137	
1,2-Dichlorobenzene	10.0	9.61	96	68-129	
1,2,4-Trichlorobenzene	10.0	10.4	104	50-150	
Hexachlorobutadiene	10.0	10.4	104	58-130	
Naphthalene	10.0	11.0	110	50-150	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-76237-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 63367-04.d
 Lab ID: LCS 200-212096/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.19	82	50-158	
Dichlorodifluoromethane	10.0	10.7	107	61-142	
Freon 22	10.0	12.3	123	60-147	
1,2-Dichlorotetrafluoroethane	10.0	10.9	109	71-141	
Chloromethane	10.0	12.7	127	56-141	
n-Butane	10.0	11.2	112	53-151	
Vinyl chloride	10.0	10.3	103	61-135	
1,3-Butadiene	10.0	10.1	101	58-139	
Bromomethane	10.0	10.9	109	72-124	
Chloroethane	10.0	12.3	123	68-130	
Bromoethene (Vinyl Bromide)	10.0	11.1	111	75-125	
Trichlorofluoromethane	10.0	10.4	104	70-129	
Ethanol	15.0	19.7	131	50-150	
Freon TF	10.0	10.3	103	70-121	
1,1-Dichloroethene	10.0	10.6	106	68-120	
Acetone	10.0	12.2	122	54-154	
Isopropyl alcohol	10.0	13.1	131	53-142	
Carbon disulfide	10.0	11.0	110	71-138	
3-Chloropropene	10.0	11.9	119	50-150	
Methylene Chloride	10.0	12.0	120	59-137	
tert-Butyl alcohol	10.0	10.7	107	66-132	
Methyl tert-butyl ether	10.0	10.8	108	70-127	
trans-1,2-Dichloroethene	10.0	11.9	119	69-137	
n-Hexane	10.0	11.6	116	63-138	
1,1-Dichloroethane	10.0	11.2	112	66-130	
Vinyl acetate	10.0	13.1	131	59-149	
Ethyl acetate	10.0	11.1	111	70-131	
Methyl Ethyl Ketone	10.0	11.3	113	72-124	
cis-1,2-Dichloroethene	10.0	10.2	102	72-121	
Chloroform	10.0	10.6	106	73-124	
Tetrahydrofuran	10.0	12.0	120	60-149	
1,1,1-Trichloroethane	10.0	9.97	100	72-127	
Cyclohexane	10.0	10.6	106	76-124	
Carbon tetrachloride	10.0	10.0	100	71-133	
2,2,4-Trimethylpentane	10.0	11.7	117	68-131	
Benzene	10.0	10.8	108	73-119	
1,2-Dichloroethane	10.0	11.0	110	68-135	
n-Heptane	10.0	12.2	122	60-142	
Trichloroethene	10.0	10.5	105	73-122	
Methyl methacrylate	10.0	11.4	114	73-129	
1,2-Dichloropropane	10.0	11.8	118	69-128	
1,4-Dioxane	10.0	10.6	106	66-129	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-76237-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 63367-04.d
 Lab ID: LCS 200-212096/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.6	106	75-127	
cis-1,3-Dichloropropene	10.0	10.9	109	74-125	
methyl isobutyl ketone	10.0	12.3	123	58-144	
Toluene	10.0	10.3	103	75-122	
trans-1,3-Dichloropropene	10.0	12.0	120	74-128	
1,1,2-Trichloroethane	10.0	10.8	108	75-126	
Tetrachloroethene	10.0	9.43	94	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	12.4	124	57-143	
Dibromochloromethane	10.0	9.96	100	73-125	
1,2-Dibromoethane	10.0	10.2	102	78-122	
Chlorobenzene	10.0	10.2	102	76-119	
Ethylbenzene	10.0	10.3	103	74-122	
m,p-Xylene	20.0	20.5	103	76-121	
Xylene, o-	10.0	10.2	102	73-123	
Styrene	10.0	10.5	105	74-125	
Bromoform	10.0	10.2	102	53-149	
Cumene	10.0	10.0	100	73-123	
1,1,2,2-Tetrachloroethane	10.0	10.9	109	74-126	
n-Propylbenzene	10.0	10.6	106	73-127	
4-Ethyltoluene	10.0	10.6	106	75-129	
1,3,5-Trimethylbenzene	10.0	10.2	102	72-126	
2-Chlorotoluene	10.0	10.4	104	74-126	
tert-Butylbenzene	10.0	9.84	98	71-125	
1,2,4-Trimethylbenzene	10.0	10.2	102	71-129	
sec-Butylbenzene	10.0	10.2	102	70-128	
4-Isopropyltoluene	10.0	9.86	99	68-130	
1,3-Dichlorobenzene	10.0	10.2	102	69-131	
1,4-Dichlorobenzene	10.0	10.3	103	67-132	
Benzyl chloride	10.0	11.0	110	60-136	
n-Butylbenzene	10.0	10.6	106	65-137	
1,2-Dichlorobenzene	10.0	10.1	101	68-129	
1,2,4-Trichlorobenzene	10.0	12.3	123	50-150	
Hexachlorobutadiene	10.0	10.1	101	58-130	
Naphthalene	10.0	13.1	131	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.: 200-76233-1
SDG No.: _____
Lab File ID: 63369_005.D Lab Sample ID: MB 200-212098/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHAM.i Date Analyzed: 12/14/2024 14:19
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 200-212098/4	63369_004.D	12/14/2024 13:28
5105	200-76233-9	63369_006.D	12/14/2024 15:21

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76233-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212098/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63369_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>12/14/2024 14:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212098</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76233-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212098/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63369_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>12/14/2024 14:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212098</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76233-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212098/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63369_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>12/14/2024 14:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212098</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

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\CHAM.i\20241214-63369.b\63369_005.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 14-Dec-2024 14:19:21 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063369-005
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241214-63369.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2024 10:52:41 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: CTX1659

First Level Reviewer: F7XK

Date: 16-Dec-2024 10:52:41

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		4.273					ND	7
2 Dichlorodifluoromethane	85		4.374					ND	
3 Chlorodifluoromethane	51		4.428					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.749					ND	
5 Chloromethane	50		4.877					ND	7
7 Butane	43		5.177					ND	7
6 Vinyl chloride	62		5.182					ND	
8 Butadiene	54		5.295					ND	
9 Bromomethane	94		6.049					ND	
10 Chloroethane	64		6.327					ND	
12 2-Methylbutane	43		6.536					ND	
13 Vinyl bromide	106		6.760					ND	
14 Trichlorofluoromethane	101		6.921					ND	
15 Pentane	43		7.129					ND	
16 Ethanol	45		7.327					ND	
18 Ethyl ether	59		7.557					ND	
19 Acrolein	56		7.820					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		8.103					ND	7
23 Isopropyl alcohol	45		8.408					ND	
24 Carbon disulfide	76		8.413					ND	7
25 Acetonitrile	41		8.633					ND	
26 3-Chloro-1-propene	41		8.724					ND	7
27 Methylene Chloride	49	8.970	8.970	0.006	62	668		0.0139	7M
28 2-Methyl-2-propanol	59		9.195					ND	
29 Acrylonitrile	53		9.387					ND	
30 trans-1,2-Dichloroethene	61		9.462					ND	
31 Methyl tert-butyl ether	73		9.462					ND	
32 Hexane	57		9.970					ND	
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
33 1,1-Dichloroethane	63		10.248					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		10.254					ND	
36 2-Butanone (MEK)	72		11.238					ND	
37 cis-1,2-Dichloroethene	96		11.260					ND	
38 Ethyl acetate	88		11.313					ND	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	92	350653	10.0	10.0	
40 Tetrahydrofuran	42		11.714					ND	
41 Chloroform	83		11.859					ND	
42 1,1,1-Trichloroethane	97		12.158					ND	
43 Cyclohexane	84		12.287					ND	
44 Carbon tetrachloride	117		12.431					ND	
45 Benzene	78		12.790					ND	7
46 1,2-Dichloroethane	62		12.875					ND	
47 Isooctane	57		12.993					ND	
48 n-Heptane	43		13.303					ND	7
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	95	1634811	10.0	10.0	
50 n-Butanol	56		13.779					ND	
51 Trichloroethene	95		13.967					ND	
A 52 GRO	1	14.261	(6.526-21.996)		0	5209832		0	
53 1,2-Dichloropropane	63		14.432					ND	
54 Methyl methacrylate	69		14.518					ND	
55 1,4-Dioxane	88		14.566					ND	
57 Dibromomethane	174	14.592	14.592	0.000	92	847		0.0132	M
58 Dichlorobromomethane	83		14.908					ND	
A 60 TVOC as Toluene	1	15.638	(4.263-27.014)		0	5434401		0	
59 cis-1,3-Dichloropropene	75		15.711					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.978					ND	
A 63 Toluene Range	1	16.347	(16.278-16.417)		0	278		NC	
62 Toluene	92		16.347					ND	
64 n-Octane	43		16.577					ND	
A 65 C8 Range	1		(16.508-16.657)					ND	
66 trans-1,3-Dichloropropene	75		16.775					ND	7
67 1,1,2-Trichloroethane	83		17.150					ND	
68 Tetrachloroethene	166		17.337					ND	
69 2-Hexanone	43		17.562					ND	
70 Chlorodibromomethane	129		17.888					ND	
71 Ethylene Dibromide	107	18.134	18.134	0.005	90	561		0.005627	7M
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	88	1459109	10.0	10.0	
74 Chlorobenzene	112		19.097					ND	7
75 Ethylbenzene	91		19.284					ND	7
76 m-Xylene & p-Xylene	106		19.546					ND	
77 n-Nonane	57		19.589					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		20.691					ND	7
82 Isopropylbenzene	105		20.985					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.504					ND	7
84 1,2,3-Trichloropropane	75		21.601					ND	7
85 N-Propylbenzene	91		21.681					ND	7
86 2-Chlorotoluene	91		21.831					ND	7
87 4-Ethyltoluene	105		21.873					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		21.986					ND	
90 Alpha Methyl Styrene	118		22.291					ND	7
91 tert-Butylbenzene	119		22.441					ND	MU
92 1,2,4-Trimethylbenzene	105		22.532					ND	7
93 sec-Butylbenzene	105		22.762					ND	7
94 1,3-Dichlorobenzene	146	22.943	22.938	0.005	91	1528		0.0102	
95 4-Isopropyltoluene	119		22.970					ND	7
96 1,4-Dichlorobenzene	146	23.082	23.077	0.005	87	1847		0.0123	
97 Benzyl chloride	91		23.232					ND	7
98 n-Butylbenzene	91		23.537					ND	7
99 1,2-Dichlorobenzene	146		23.580					ND	7
100 Undecane	57		23.676					ND	7
101 Dodecane	57		25.292					ND	7
102 1,2,4-Trichlorobenzene	180	26.078	26.078	0.000	89	2004		0.0189	
103 Hexachlorobutadiene	225		26.324					ND	7
104 Naphthalene	128		26.576					ND	7
105 1,2,3-Trichlorobenzene	180	27.015	27.015	0.011	90	1520		0.0149	M
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:

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241214-63369.b\63369_005.D

Injection Date: 14-Dec-2024 14:19:21

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

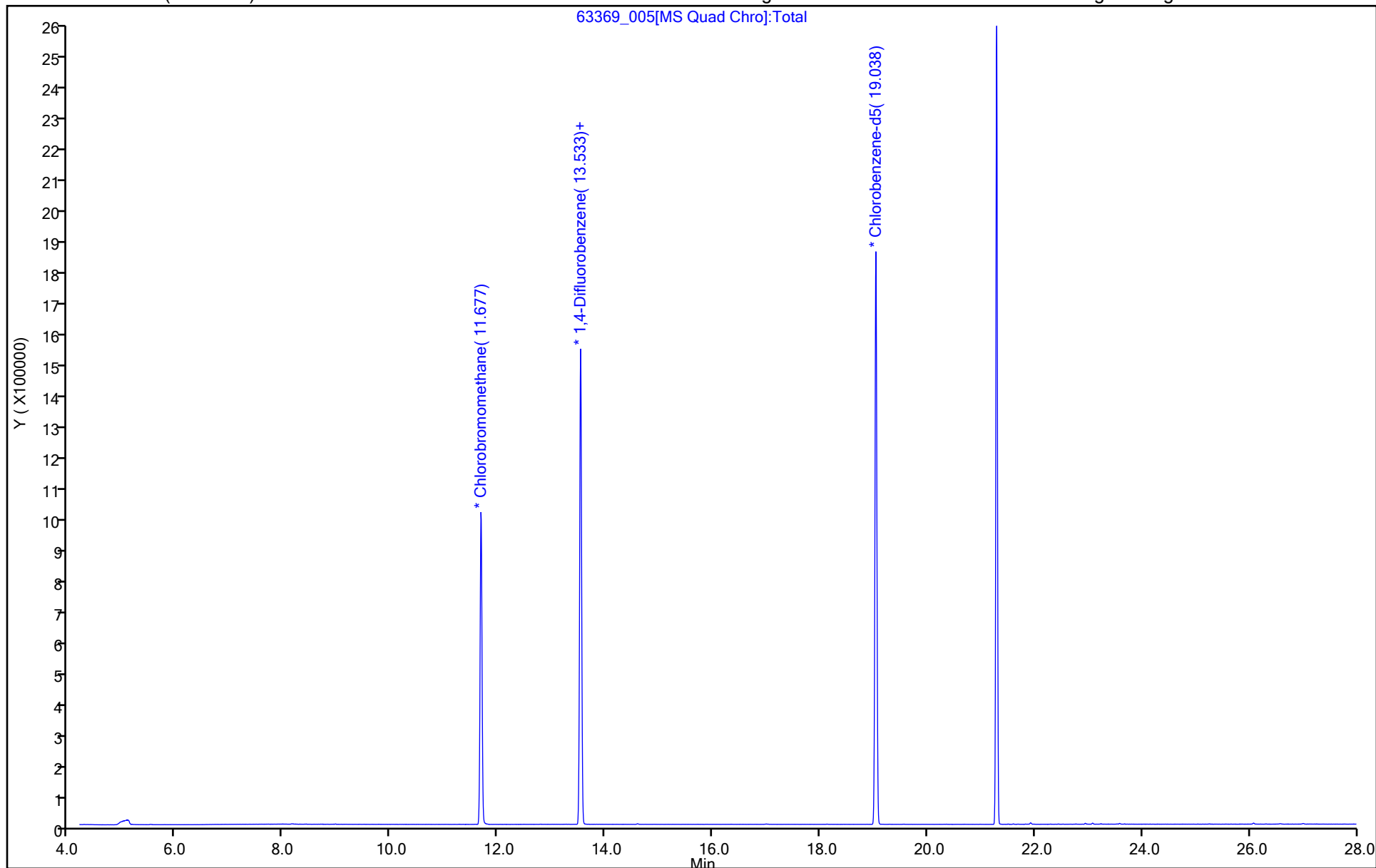
ALS Bottle#: 4

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

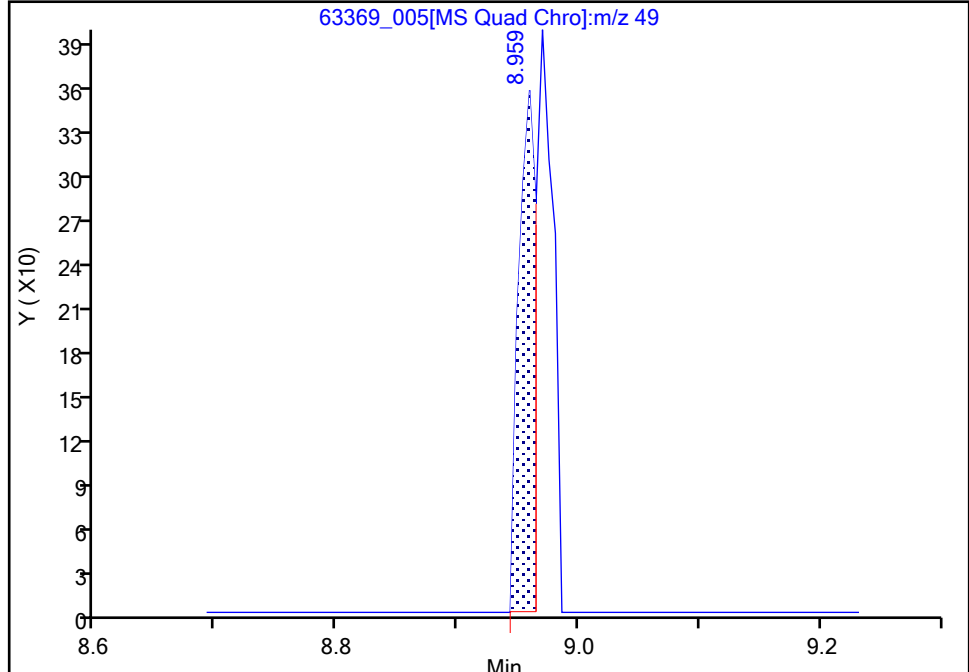
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Injection Date: 14-Dec-2024 14:19:21 Instrument ID: CHAM.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

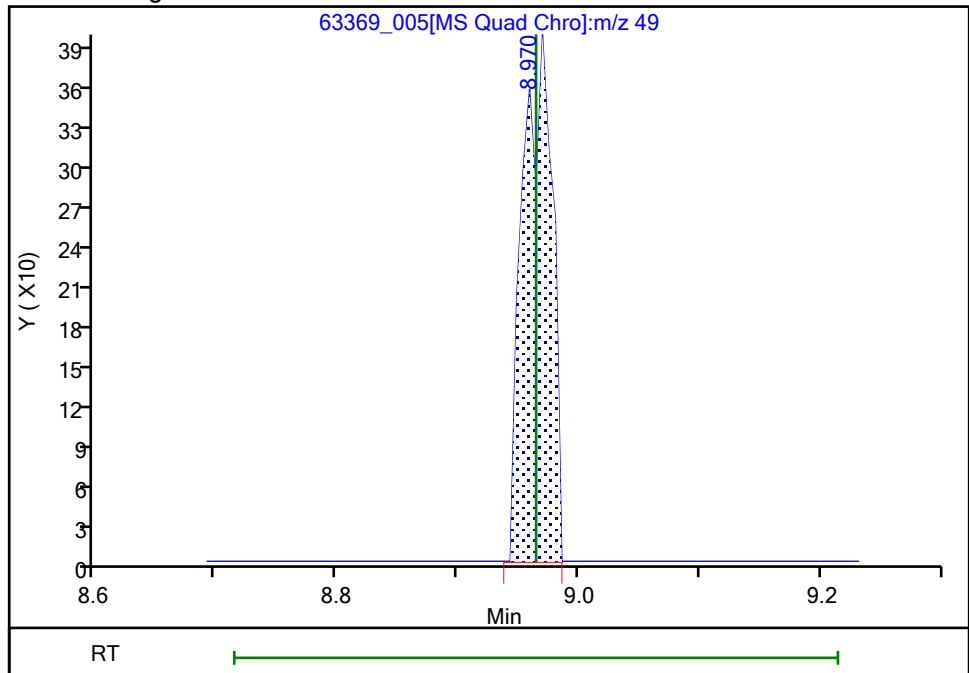
RT: 8.96
Area: 360
Amount: 0.007480
Amount Units: ppb v/v

Processing Integration Results



RT: 8.97
Area: 668
Amount: 0.013879
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 16-Dec-2024 10:49:25 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

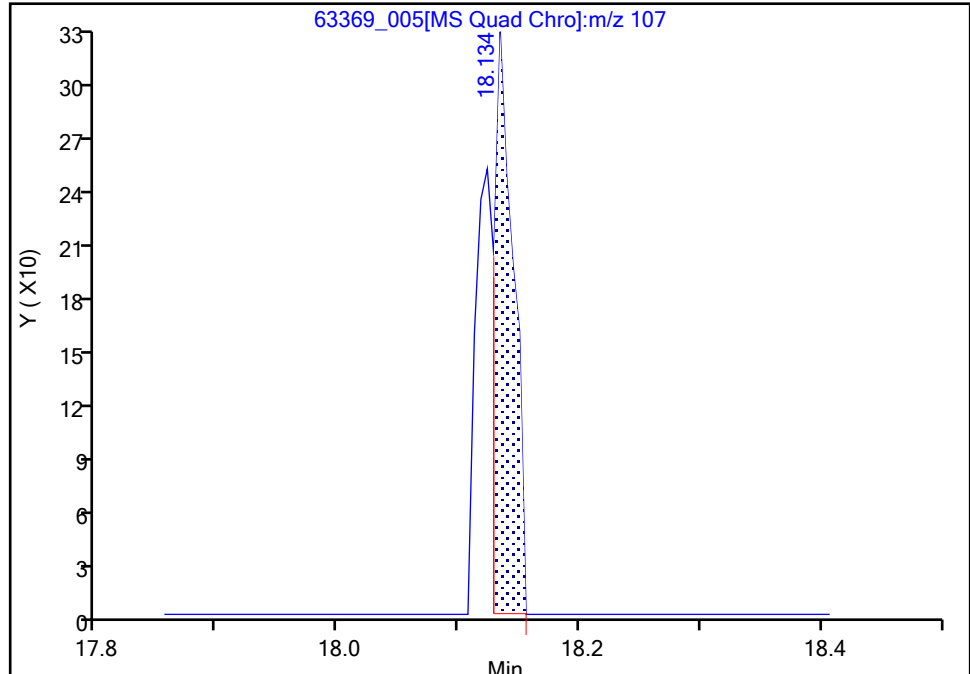
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241214-63369.b\63369_005.D
Injection Date: 14-Dec-2024 14:19:21 Instrument ID: CHAM.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

71 Ethylene Dibromide, CAS: 106-93-4

Signal: 1

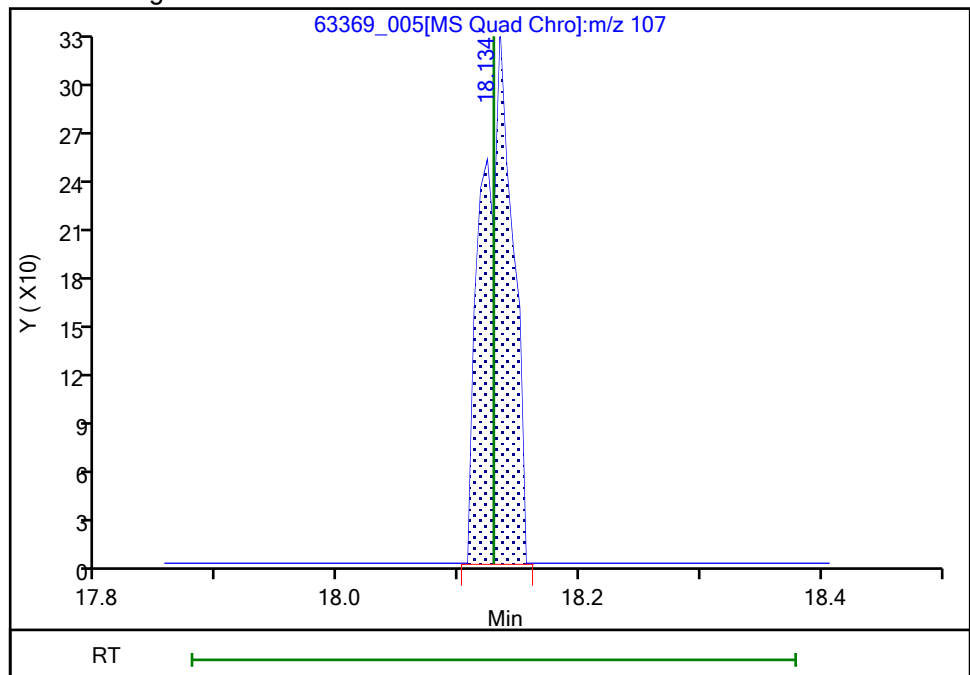
RT: 18.13
Area: 358
Amount: 0.003591
Amount Units: ppb v/v

Processing Integration Results



RT: 18.13
Area: 561
Amount: 0.005627
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 16-Dec-2024 10:50:40 07:00:00 (UTC)

Audit Action: Manually Integrated

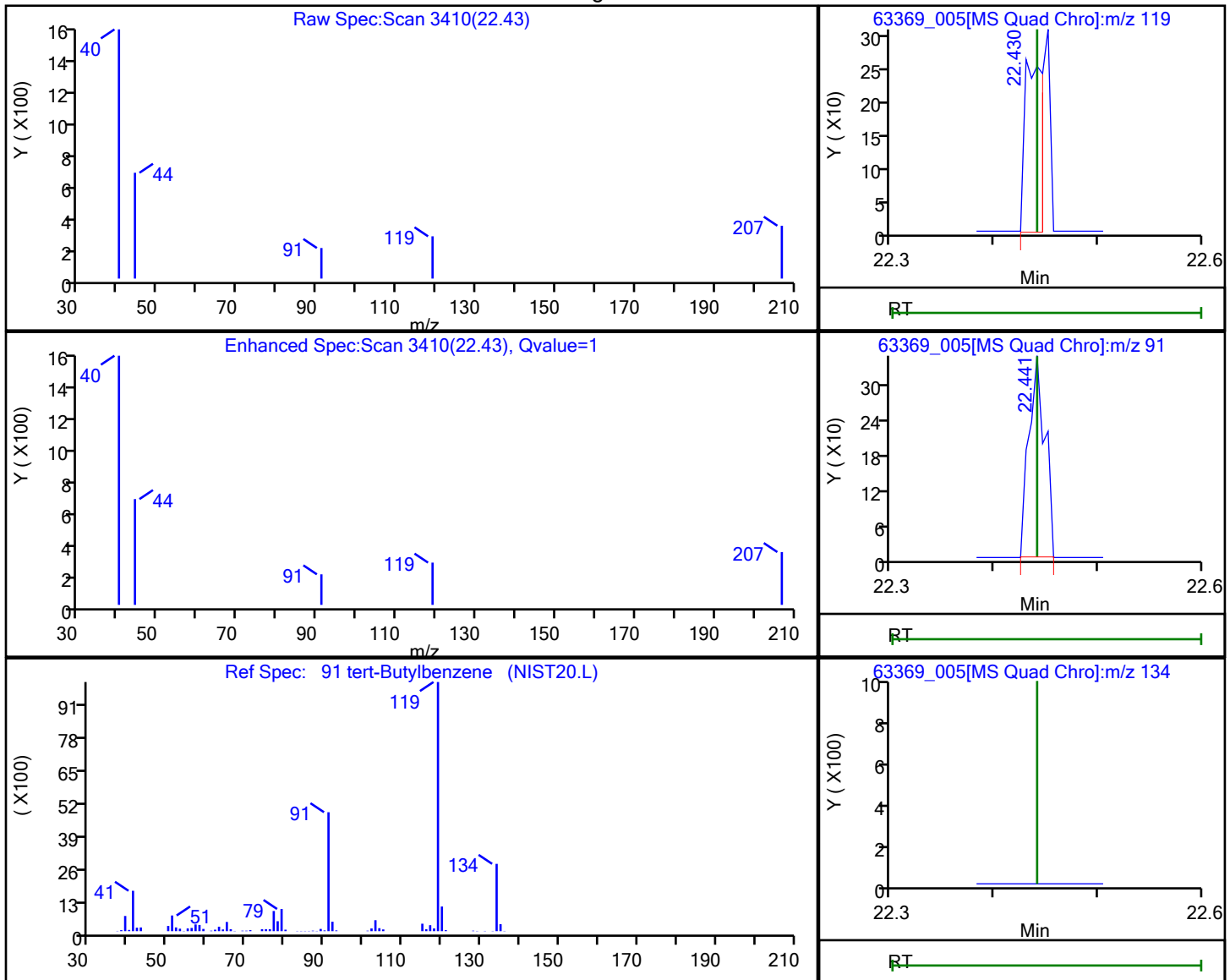
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241214-63369.b\63369_005.D
Injection Date: 14-Dec-2024 14:19:21 Instrument ID: CHAM.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 5
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
22.43	119.00	310	0.001571
22.44	91.00	378	
22.45	134.00	0	

Reviewer: F7XK, 16-Dec-2024 10:51:33 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-76237-1
SDG No.: _____
Lab File ID: 63367-05.d Lab Sample ID: MB 200-212096/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHW.i Date Analyzed: 12/14/2024 13:01
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 200-212096/4	63367-04.d	12/14/2024 11:21
3273	200-76237-10	63367-07.d	12/14/2024 15:11

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-76237-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212096/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63367-05.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>12/14/2024 13:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212096</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76237-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212096/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63367-05.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>12/14/2024 13:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212096</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76237-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-212096/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>63367-05.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>12/14/2024 13:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212096</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

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\CHW.i\20241214-63367.b\63367-05.d
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 14-Dec-2024 13:01:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0063367-005
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20241214-63367.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2024 09:12:16 Calib Date: 04-Dec-2024 09:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20241203-63216.b\63216-20.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1659

First Level Reviewer: F7XK

Date: 16-Dec-2024 09:12:16

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		4.083					ND	
2 Dichlorodifluoromethane	85		4.174					ND	
3 Chlorodifluoromethane	51		4.211					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.516					ND	
5 Chloromethane	50		4.628					ND	
6 Vinyl chloride	62		4.923					ND	
7 Butane	43		4.928					ND	
8 Butadiene	54		5.035					ND	
9 Bromomethane	94		5.779					ND	
10 Chloroethane	64		6.078					ND	
12 2-Methylbutane	43		6.308					ND	
13 Vinyl bromide	106		6.544					ND	
14 Trichlorofluoromethane	101		6.731					ND	
15 Pentane	43		6.966					ND	
16 Ethanol	45		7.170					ND	
18 Ethyl ether	59		7.453					ND	
19 Acrolein	56		7.737					ND	
20 1,1-Dichloroethene	96		7.967					ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		8.015					ND	
22 Acetone	43		8.058					ND	
23 Isopropyl alcohol	45		8.411					ND	
24 Carbon disulfide	76		8.459					ND	7
25 Acetonitrile	41		8.646					ND	
26 3-Chloro-1-propene	41		8.801					ND	
27 Methylene Chloride	49		9.079					ND	7
28 2-Methyl-2-propanol	59		9.326					ND	
29 Acrylonitrile	53		9.550					ND	
31 Methyl tert-butyl ether	73		9.689					ND	
30 trans-1,2-Dichloroethene	61		9.689					ND	
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
32 Hexane	57		10.288					ND	
33 1,1-Dichloroethane	63		10.583					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		10.593					ND	
36 2-Butanone (MEK)	72		11.685					ND	
37 cis-1,2-Dichloroethene	96		11.722					ND	
38 Ethyl acetate	88		11.776					ND	
* 39 Chlorobromomethane	128	12.188	12.182	0.006	87	105640	10.0	10.0	
40 Tetrahydrofuran	42		12.236					ND	
41 Chloroform	83		12.375					ND	
42 1,1,1-Trichloroethane	97		12.723					ND	
43 Cyclohexane	84		12.883					ND	
44 Carbon tetrachloride	117		13.038					ND	
45 Benzene	78		13.407					ND	
46 1,2-Dichloroethane	62		13.482					ND	
47 Isooctane	57		13.637					ND	
48 n-Heptane	43		13.964					ND	
* 49 1,4-Difluorobenzene	114	14.194	14.194	0.000	93	545887	10.0	10.0	
50 n-Butanol	56		14.408					ND	7
A 52 GRO	1	14.485	(6.298-22.672)		0	1522284		0	
51 Trichloroethene	95		14.659					ND	
53 1,2-Dichloropropane	63		15.141					ND	
54 Methyl methacrylate	69		15.216					ND	
55 1,4-Dioxane	88		15.274					ND	
57 Dibromomethane	174		15.312					ND	
58 Dichlorobromomethane	83		15.627					ND	
A 60 TVOC as Toluene	1	16.069	(4.073-28.065)		0	1591268		0	
59 cis-1,3-Dichloropropene	75		16.467					ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.719					ND	
62 Toluene	92		17.141					ND	
A 63 Toluene Range	1	17.155	(17.077-17.232)		0	8880		NC	
64 n-Octane	43		17.382					ND	
A 65 C8 Range	1	17.393	(17.307-17.478)		0	8880		NC	
66 trans-1,3-Dichloropropene	75		17.553					ND	
67 1,1,2-Trichloroethane	83		17.944					ND	
68 Tetrachloroethene	166		18.174					ND	
69 2-Hexanone	43		18.345					ND	
70 Chlorodibromomethane	129		18.720					ND	
71 Ethylene Dibromide	107		18.976					ND	
* 73 Chlorobenzene-d5	117	19.907	19.902	0.005	88	477865	10.0	10.0	
74 Chlorobenzene	112		19.966					ND	
S 80 Xylenes, Total	106		20.100					ND	7
75 Ethylbenzene	91		20.148					ND	MU
76 m-Xylene & p-Xylene	106		20.399					ND	
77 n-Nonane	57		20.437					ND	
78 o-Xylene	106		21.111					ND	
79 Styrene	104		21.138					ND	
81 Bromoform	173		21.464					ND	
82 Isopropylbenzene	105		21.726					ND	
83 1,1,2,2-Tetrachloroethane	83		22.192					ND	
84 1,2,3-Trichloropropane	75		22.293					ND	
85 N-Propylbenzene	91		22.389					ND	
86 2-Chlorotoluene	91		22.539					ND	
87 4-Ethyltoluene	105		22.566					ND	
88 1,3,5-Trimethylbenzene	105		22.652					ND	

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		22.662						ND
90 Alpha Methyl Styrene	118		22.962						ND
91 tert-Butylbenzene	119		23.112						ND
92 1,2,4-Trimethylbenzene	105		23.197						ND
93 sec-Butylbenzene	105		23.433						ND
94 1,3-Dichlorobenzene	146		23.625						ND
95 4-Isopropyltoluene	119		23.647						ND
96 1,4-Dichlorobenzene	146		23.775						ND
97 Benzyl chloride	91		23.920						ND
98 n-Butylbenzene	91		24.246						ND
99 1,2-Dichlorobenzene	146		24.310						ND
100 Undecane	57		24.380						ND
101 Dodecane	57		26.124						ND
102 1,2,4-Trichlorobenzene	180		27.022						ND
103 Hexachlorobutadiene	225		27.290						ND
104 Naphthalene	128		27.579						ND
105 1,2,3-Trichlorobenzene	180		28.055						ND
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

U - Marked Undetected

Reagents:

ATTO15WISs_00010

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20241214-63367.b\63367-05.d

Injection Date: 14-Dec-2024 13:01:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

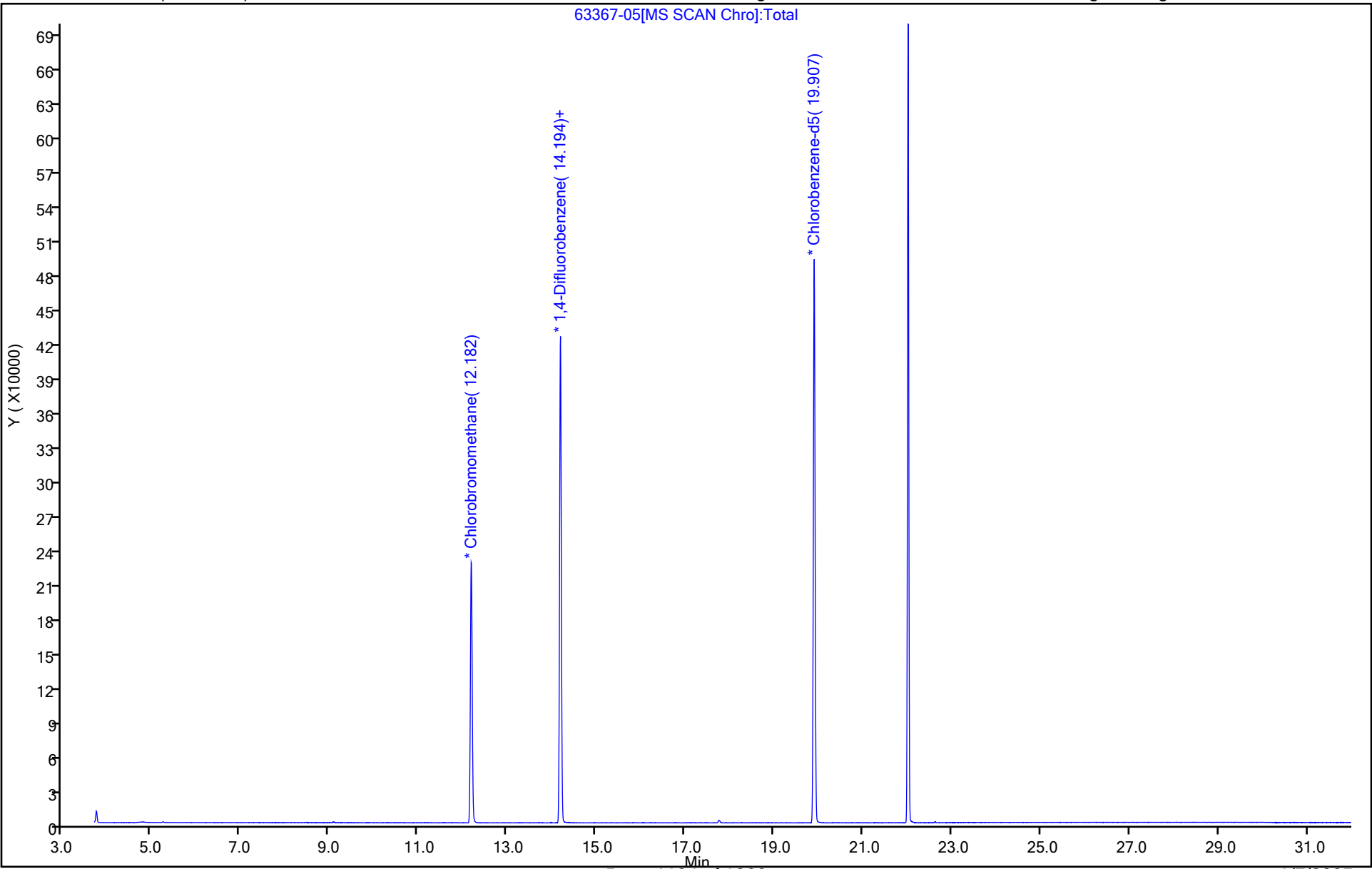
ALS Bottle#: 4

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

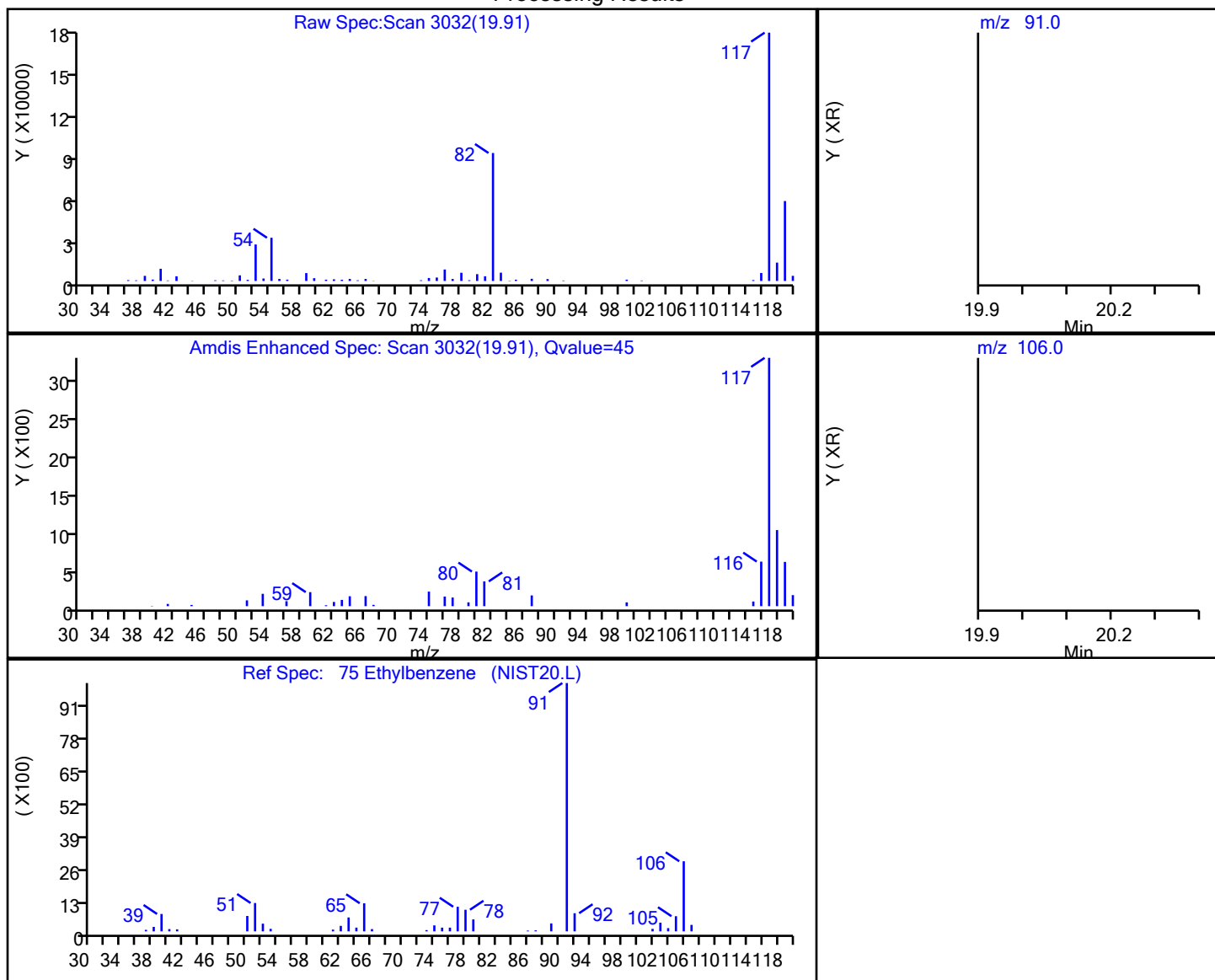


Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20241214-63367.b\63367-05.d
Injection Date: 14-Dec-2024 13:01:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
19.91	91.00	749	0.010050
20.15	106.00	0	

Reviewer: F7XK, 16-Dec-2024 09:11:45 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.: 200-76233-1
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.: 200-76233-1
SDG No.: _____
Lab File ID: 63369_001.D BFB Injection Date: 12/14/2024
Instrument ID: CHAM.i BFB Injection Time: 10:58
Analysis Batch No.: 212098

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.2
75	30.0 - 66.0% of mass 95	48.9
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	69.7
175	4.0 - 9.0 % of mass 174	5.4 (7.8) 1
176	93.0 - 101.0% of mass 174	67.5 (96.9) 1
177	5.0 - 9.0% of mass 176	4.5 (6.7) 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 200-212098/2	63369_002.D	12/14/2024	11:46
	LCS 200-212098/4	63369_004.D	12/14/2024	13:28
	MB 200-212098/5	63369_005.D	12/14/2024	14:19
5105	200-76233-9	63369_006.D	12/14/2024	15:21

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

Lab Name: Eurofins Burlington Job No.: 200-76237-1
SDG No.: _____
Lab File ID: 63216-01.d BFB Injection Date: 12/03/2024
Instrument ID: CHW.i BFB Injection Time: 16:31
Analysis Batch No.: 211609

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.6
75	30.0 - 66.0% of mass 95	43.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	97.4
175	4.0 - 9.0 % of mass 174	7.0 (7.2) 1
176	93.0 - 101.0% of mass 174	94.7 (97.3) 1
177	5.0 - 9.0% of mass 176	6.1 (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
	IC 200-211609/3	63216-03.d	12/03/2024	18:12
	IC 200-211609/6	63216-06.d	12/03/2024	20:44
	IC 200-211609/7	63216-07.d	12/03/2024	21:35
	ICIS 200-211609/8	63216-08.d	12/03/2024	22:25
	IC 200-211609/9	63216-09.d	12/03/2024	23:16
	IC 200-211609/12	63216-12.d	12/04/2024	1:48
	IC 200-211609/13	63216-13.d	12/04/2024	2:39
	IC 200-211609/20	63216-20.d	12/04/2024	9:15

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

Lab Name: Eurofins Burlington Job No.: 200-76237-1
SDG No.: _____
Lab File ID: 63239-01.d BFB Injection Date: 12/05/2024
Instrument ID: CHW.i BFB Injection Time: 08:36
Analysis Batch No.: 211695

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.9
75	30.0 - 66.0% of mass 95	42.3
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	0.7 (0.8) 1
174	50.0 - 120.0% of mass 95	96.3
175	4.0 - 9.0 % of mass 174	7.0 (7.3) 1
176	93.0 - 101.0% of mass 174	94.1 (97.7) 1
177	5.0 - 9.0% of mass 176	6.3 (6.7) 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
	ICV 200-211695/2	63239-02.d	12/05/2024	9:30

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

Lab Name: Eurofins Burlington Job No.: 200-76237-1
SDG No.: _____
Lab File ID: 63367-01.d BFB Injection Date: 12/14/2024
Instrument ID: CHW.i BFB Injection Time: 08:49
Analysis Batch No.: 212096

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.5
75	30.0 - 66.0% of mass 95	43.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 120.0% of mass 95	91.6
175	4.0 - 9.0 % of mass 174	6.7 (7.3) 1
176	93.0 - 101.0% of mass 174	89.1 (97.2) 1
177	5.0 - 9.0% of mass 176	5.8 (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 200-212096/2	63367-02.d	12/14/2024	9:40
	LCS 200-212096/4	63367-04.d	12/14/2024	11:21
	MB 200-212096/5	63367-05.d	12/14/2024	13:01
3273	200-76237-10	63367-07.d	12/14/2024	15:11

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

Lab Name: Eurofins Burlington Job No.: 200-76233-1
 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.: 200-76233-1
 SDG No.: _____
 Sample No.: CCVIS 200-212098/2 Date Analyzed: 12/14/2024 11:46
 Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 63369_002.D Heated Purge: (Y/N) N
 Calibration ID: 53721

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		329312	11.68	1546438	13.53	1425755	19.04
UPPER LIMIT		461037	12.01	2165013	13.86	1996057	19.37
LOWER LIMIT		197587	11.35	927863	13.20	855453	18.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-212098/4		339919	11.68	1594819	13.54	1458584	19.04
MB 200-212098/5		350653	11.68	1634811	13.53	1459109	19.04
200-76233-9	5105	342293	11.68	1601049	13.53	1433338	19.04

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-76237-1
SDG No.: _____
Sample No.: ICIS 200-211609/8 Date Analyzed: 12/03/2024 22:25
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 63216-08.d Heated Purge: (Y/N) N
Calibration ID: 54086

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	153795	12.17	789597	14.18	684518	19.90	
UPPER LIMIT	215313	12.50	1105436	14.51	958325	20.23	
LOWER LIMIT	92277	11.84	473758	13.85	410711	19.57	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-211695/2		158541	12.18	817872	14.19	704563	19.91

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

Area Limit = 60%-140% of internal standard area
RT Limit = $\pm$ 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.: 200-76237-1
 SDG No.: _____
 Sample No.: CCVIS 200-212096/2 Date Analyzed: 12/14/2024 09:40
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 63367-02.d Heated Purge: (Y/N) N
 Calibration ID: 54086

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		109363	12.18	567223	14.19	497577	19.90
UPPER LIMIT		153108	12.51	794112	14.52	696608	20.23
LOWER LIMIT		65618	11.85	340334	13.86	298546	19.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-212096/4		108268	12.19	565850	14.19	499000	19.90
MB 200-212096/5		105640	12.19	545887	14.19	477865	19.91
200-76237-10	3273	101901	12.18	534110	14.19	465638	19.91

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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: <u>Eurofins Burlington</u>	Job No.: <u>200-76233-1</u>
SDG No.: _____	
Client Sample ID: <u>5105</u>	Lab Sample ID: <u>200-76233-9</u>
Matrix: <u>Air</u>	Lab File ID: <u>63369_006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/13/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/14/2024 15:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212098</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76233-1</u>
SDG No.: _____	
Client Sample ID: <u>5105</u>	Lab Sample ID: <u>200-76233-9</u>
Matrix: <u>Air</u>	Lab File ID: <u>63369_006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/13/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/14/2024 15:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212098</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76233-1</u>
SDG No.: _____	
Client Sample ID: <u>5105</u>	Lab Sample ID: <u>200-76233-9</u>
Matrix: <u>Air</u>	Lab File ID: <u>63369_006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/13/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/14/2024 15:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212098</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAM.i</u>

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\CHAM.i\20241214-63369.b\63369_006.D
 Lims ID: 200-76233-A-9
 Client ID: 5105
 Sample Type: Client
 Inject. Date: 14-Dec-2024 15:21:18 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0063369-006
 Misc. Info.: 76233-9
 Operator ID: vtp Instrument ID: CHAM.i
 Method: \\chromfs\Burlington\ChromData\CHAM.i\20241214-63369.b\TO15_TO3_Master_Method_AM1.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2024 10:52:41 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: CTX1659

First Level Reviewer: F7XK

Date: 16-Dec-2024 10:54:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.273				ND	7
2 Dichlorodifluoromethane	85		4.374				ND	
3 Chlorodifluoromethane	51		4.428				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.749				ND	
5 Chloromethane	50		4.877				ND	7
7 Butane	43		5.177				ND	7
6 Vinyl chloride	62		5.182				ND	
8 Butadiene	54		5.295				ND	
9 Bromomethane	94		6.049				ND	
10 Chloroethane	64		6.327				ND	
13 Vinyl bromide	106		6.760				ND	
14 Trichlorofluoromethane	101		6.921				ND	
16 Ethanol	45		7.327				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		8.103				ND	7
23 Isopropyl alcohol	45		8.408				ND	
24 Carbon disulfide	76		8.413				ND	7
26 3-Chloro-1-propene	41		8.724				ND	
27 Methylene Chloride	49		8.964				ND	7
28 2-Methyl-2-propanol	59		9.195				ND	
30 trans-1,2-Dichloroethene	61		9.462				ND	
31 Methyl tert-butyl ether	73		9.462				ND	
32 Hexane	57		9.970				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
33 1,1-Dichloroethane	63		10.248				ND	
34 Vinyl acetate	43		10.254				ND	
36 2-Butanone (MEK)	72		11.238				ND	
37 cis-1,2-Dichloroethene	96		11.260				ND	
38 Ethyl acetate	88		11.313				ND	
* 39 Chlorobromomethane	128	11.677	11.677	0.000	92	342293	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Tetrahydrofuran	42		11.714				ND	
41 Chloroform	83		11.859				ND	
42 1,1,1-Trichloroethane	97		12.158				ND	
43 Cyclohexane	84		12.287				ND	
44 Carbon tetrachloride	117		12.431				ND	
45 Benzene	78		12.790				ND	7
46 1,2-Dichloroethane	62		12.875				ND	
47 Isooctane	57		12.993				ND	
48 n-Heptane	43		13.303				ND	7
* 49 1,4-Difluorobenzene	114	13.533	13.533	0.000	95	1601049	10.0	
51 Trichloroethene	95		13.967				ND	
53 1,2-Dichloropropane	63		14.432				ND	
54 Methyl methacrylate	69		14.518				ND	
55 1,4-Dioxane	88		14.566				ND	
57 Dibromomethane	174		14.592				ND	7
58 Dichlorobromomethane	83		14.908				ND	
59 cis-1,3-Dichloropropene	75		15.711				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.978				ND	
62 Toluene	92		16.347				ND	
66 trans-1,3-Dichloropropene	75		16.775				ND	
67 1,1,2-Trichloroethane	83		17.150				ND	
68 Tetrachloroethene	166		17.337				ND	
69 2-Hexanone	43		17.562				ND	
70 Chlorodibromomethane	129		17.888				ND	
71 Ethylene Dibromide	107		18.129				ND	7
* 73 Chlorobenzene-d5	117	19.038	19.038	0.000	88	1433338	10.0	
74 Chlorobenzene	112		19.097				ND	7
75 Ethylbenzene	91		19.284				ND	7
76 m-Xylene & p-Xylene	106		19.546				ND	
S 80 Xylenes, Total	106		20.100				ND	7
78 o-Xylene	106		20.317				ND	
79 Styrene	104		20.354				ND	
81 Bromoform	173		20.691				ND	
82 Isopropylbenzene	105		20.985				ND	
83 1,1,2,2-Tetrachloroethane	83		21.504				ND	7
85 N-Propylbenzene	91		21.681				ND	7
86 2-Chlorotoluene	91		21.831				ND	7
87 4-Ethyltoluene	105		21.873				ND	7
88 1,3,5-Trimethylbenzene	105		21.970				ND	7
91 tert-Butylbenzene	119		22.441				ND	
92 1,2,4-Trimethylbenzene	105		22.532				ND	
93 sec-Butylbenzene	105		22.762				ND	
94 1,3-Dichlorobenzene	146		22.938				ND	7
95 4-Isopropyltoluene	119		22.970				ND	
96 1,4-Dichlorobenzene	146		23.077				ND	7
97 Benzyl chloride	91		23.232				ND	7
98 n-Butylbenzene	91		23.537				ND	
99 1,2-Dichlorobenzene	146		23.580				ND	7
102 1,2,4-Trichlorobenzene	180		26.078				ND	7
103 Hexachlorobutadiene	225		26.324				ND	
104 Naphthalene	128		26.576				ND	7

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

[Reagents:](#)

ATTO15AMISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241214-63369.b\63369_006.D

Injection Date: 14-Dec-2024 15:21:18

Instrument ID: CHAM.i

Operator ID: vtp

Lims ID: 200-76233-A-9

Lab Sample ID: 200-76233-9

Worklist Smp#: 6

Client ID: 5105

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

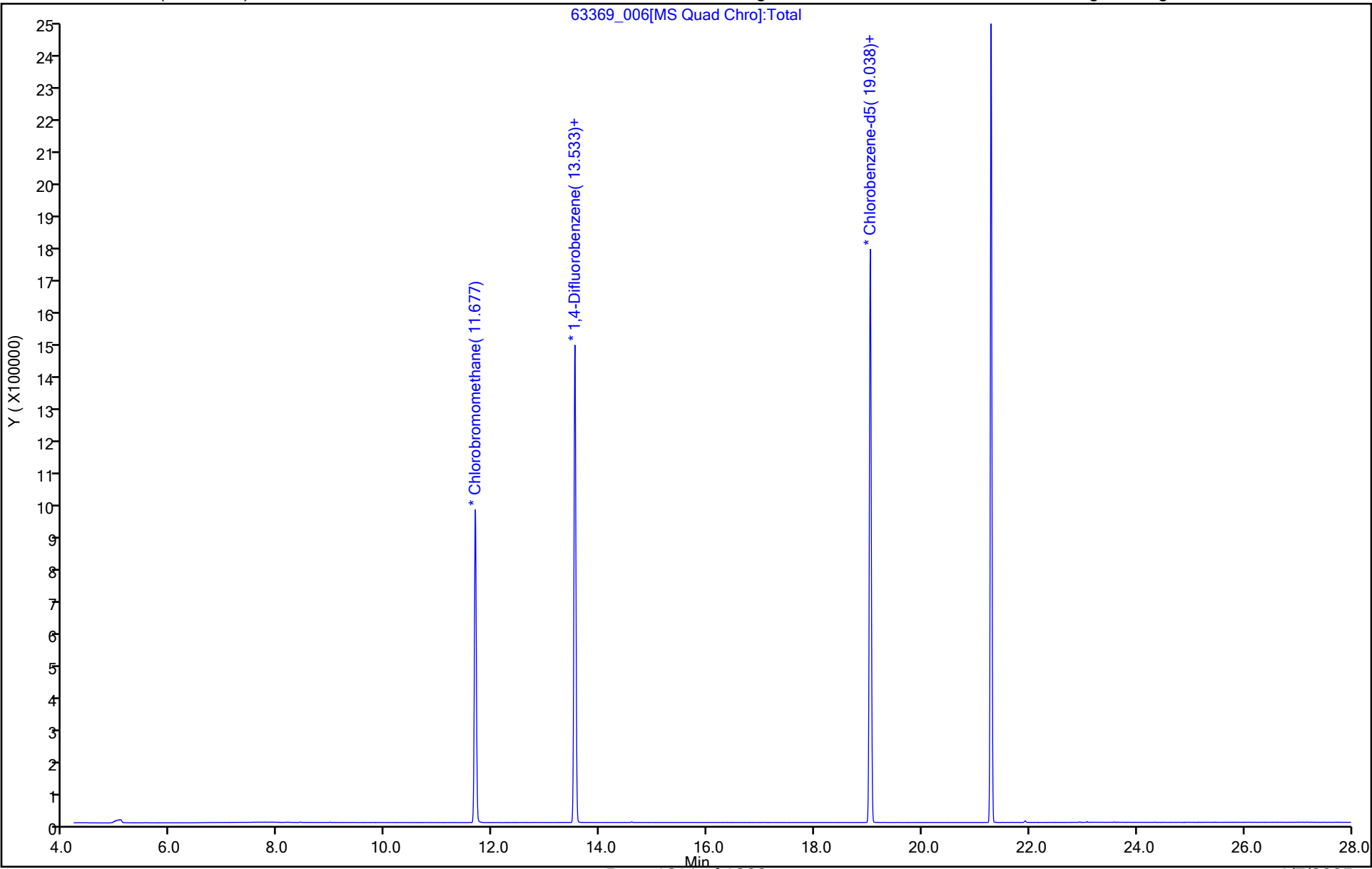
ALS Bottle#: 5

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76237-1</u>
SDG No.: _____	
Client Sample ID: <u>3273</u>	Lab Sample ID: <u>200-76237-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>63367-07.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/13/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/14/2024 15:11</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212096</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76237-1</u>
SDG No.: _____	
Client Sample ID: <u>3273</u>	Lab Sample ID: <u>200-76237-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>63367-07.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/13/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/14/2024 15:11</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212096</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

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: <u>Eurofins Burlington</u>	Job No.: <u>200-76237-1</u>
SDG No.: _____	
Client Sample ID: <u>3273</u>	Lab Sample ID: <u>200-76237-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>63367-07.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/13/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/14/2024 15:11</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>212096</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHW.i</u>

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\CHW.i\20241214-63367.b\63367-07.d
 Lims ID: 200-76237-A-10
 Client ID: 3273
 Sample Type: Client
 Inject. Date: 14-Dec-2024 15:11:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0063367-007
 Misc. Info.: 76237-10
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20241214-63367.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2024 09:15:52 Calib Date: 04-Dec-2024 09:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20241203-63216.b\63216-20.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1659

First Level Reviewer: F7XK

Date: 16-Dec-2024 09:15:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.083				ND	
2 Dichlorodifluoromethane	85		4.174				ND	
3 Chlorodifluoromethane	51		4.211				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.516				ND	
5 Chloromethane	50		4.628				ND	
6 Vinyl chloride	62		4.923				ND	
7 Butane	43		4.928				ND	
8 Butadiene	54		5.035				ND	
9 Bromomethane	94		5.779				ND	
10 Chloroethane	64		6.078				ND	
13 Vinyl bromide	106		6.544				ND	
14 Trichlorofluoromethane	101		6.731				ND	
16 Ethanol	45		7.170				ND	
20 1,1-Dichloroethene	96		7.967				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.015				ND	
22 Acetone	43		8.058				ND	
23 Isopropyl alcohol	45		8.411				ND	
24 Carbon disulfide	76	8.469	8.459	0.010	94	857	0.0234	
26 3-Chloro-1-propene	41		8.801				ND	
27 Methylene Chloride	49	9.090	9.090	0.011	83	627	0.0503	7M
28 2-Methyl-2-propanol	59		9.326				ND	
31 Methyl tert-butyl ether	73		9.689				ND	
30 trans-1,2-Dichloroethene	61		9.689				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
32 Hexane	57		10.288				ND	
33 1,1-Dichloroethane	63		10.583				ND	
34 Vinyl acetate	43		10.593				ND	
36 2-Butanone (MEK)	72		11.685				ND	
37 cis-1,2-Dichloroethene	96		11.722				ND	
38 Ethyl acetate	88		11.776				ND	
* 39 Chlorobromomethane	128	12.182	12.182	0.000	87	101901	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Tetrahydrofuran	42		12.236				ND	
41 Chloroform	83		12.375				ND	
42 1,1,1-Trichloroethane	97		12.723				ND	
43 Cyclohexane	84		12.883				ND	
44 Carbon tetrachloride	117		13.038				ND	
45 Benzene	78		13.407				ND	
46 1,2-Dichloroethane	62		13.482				ND	
47 Isooctane	57		13.637				ND	
48 n-Heptane	43		13.964				ND	
* 49 1,4-Difluorobenzene	114	14.194	14.194	0.000	93	534110	10.0	
51 Trichloroethene	95		14.659				ND	
53 1,2-Dichloropropane	63		15.141				ND	
54 Methyl methacrylate	69		15.216				ND	
55 1,4-Dioxane	88		15.274				ND	
57 Dibromomethane	174		15.312				ND	
58 Dichlorobromomethane	83		15.627				ND	
59 cis-1,3-Dichloropropene	75		16.467				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.719				ND	
62 Toluene	92		17.141				ND	
66 trans-1,3-Dichloropropene	75		17.553				ND	
67 1,1,2-Trichloroethane	83		17.944				ND	
68 Tetrachloroethene	166		18.174				ND	
69 2-Hexanone	43		18.345				ND	
70 Chlorodibromomethane	129		18.720				ND	
71 Ethylene Dibromide	107		18.976				ND	
* 73 Chlorobenzene-d5	117	19.907	19.902	0.005	84	465638	10.0	
74 Chlorobenzene	112		19.966				ND	
S 80 Xylenes, Total	106		20.100				ND	7
75 Ethylbenzene	91		20.148				ND	7
76 m-Xylene & p-Xylene	106		20.399				ND	
78 o-Xylene	106		21.111				ND	
79 Styrene	104		21.138				ND	
81 Bromoform	173		21.464				ND	
82 Isopropylbenzene	105		21.726				ND	
83 1,1,2,2-Tetrachloroethane	83		22.192				ND	
85 N-Propylbenzene	91		22.389				ND	
86 2-Chlorotoluene	91		22.539				ND	
87 4-Ethyltoluene	105		22.566				ND	
88 1,3,5-Trimethylbenzene	105		22.652				ND	
91 tert-Butylbenzene	119		23.112				ND	
92 1,2,4-Trimethylbenzene	105		23.197				ND	
93 sec-Butylbenzene	105		23.433				ND	
94 1,3-Dichlorobenzene	146		23.625				ND	
95 4-Isopropyltoluene	119		23.647				ND	
96 1,4-Dichlorobenzene	146		23.775				ND	
97 Benzyl chloride	91		23.920				ND	
98 n-Butylbenzene	91		24.246				ND	
99 1,2-Dichlorobenzene	146		24.310				ND	
102 1,2,4-Trichlorobenzene	180		27.022				ND	
103 Hexachlorobutadiene	225		27.290				ND	
104 Naphthalene	128		27.579				ND	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

[Reagents:](#)

ATTO15WISs_00010

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20241214-63367.b\63367-07.d

Injection Date: 14-Dec-2024 15:11:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: 200-76237-A-10

Lab Sample ID: 200-76237-10

Worklist Smp#: 7

Client ID: 3273

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

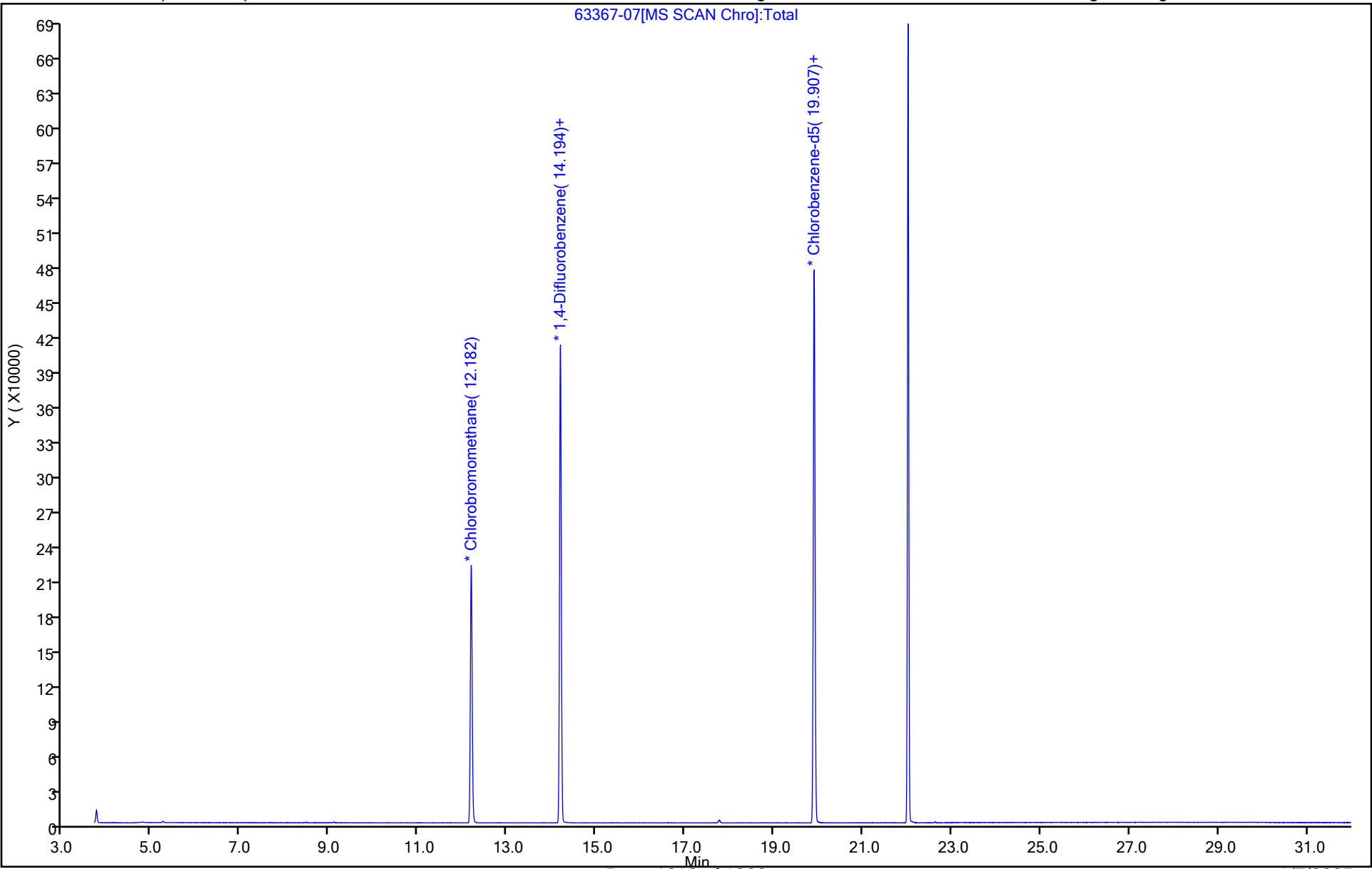
ALS Bottle#: 6

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

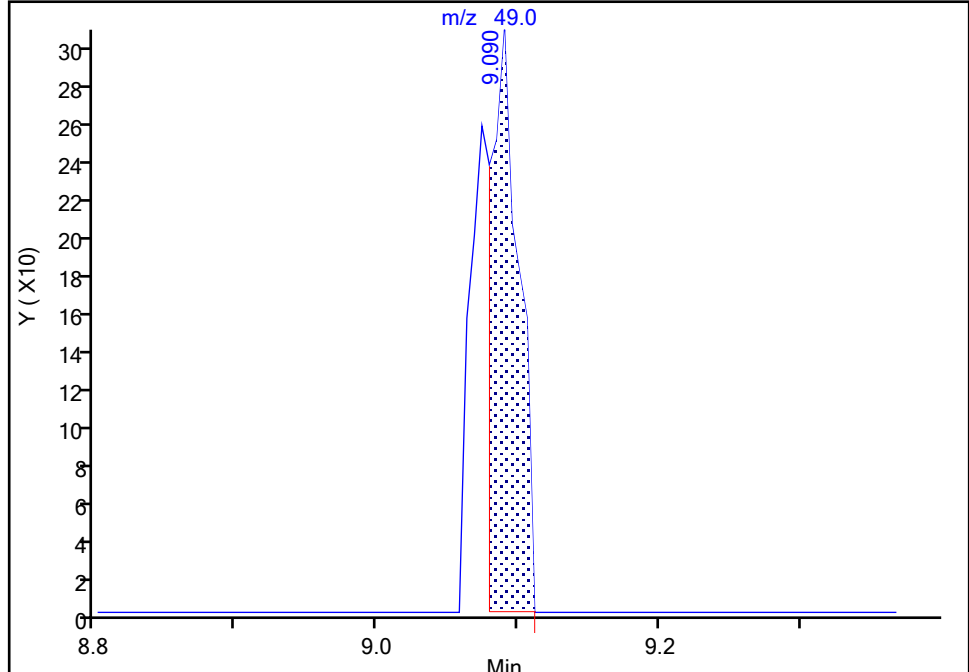
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20241214-63367.b\63367-07.d		
Injection Date:	14-Dec-2024 15:11:30	Instrument ID:	CHW.i
Lims ID:	200-76237-A-10	Lab Sample ID:	200-76237-10
Client ID:	3273		
Operator ID:	vtp	ALS Bottle#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	7

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

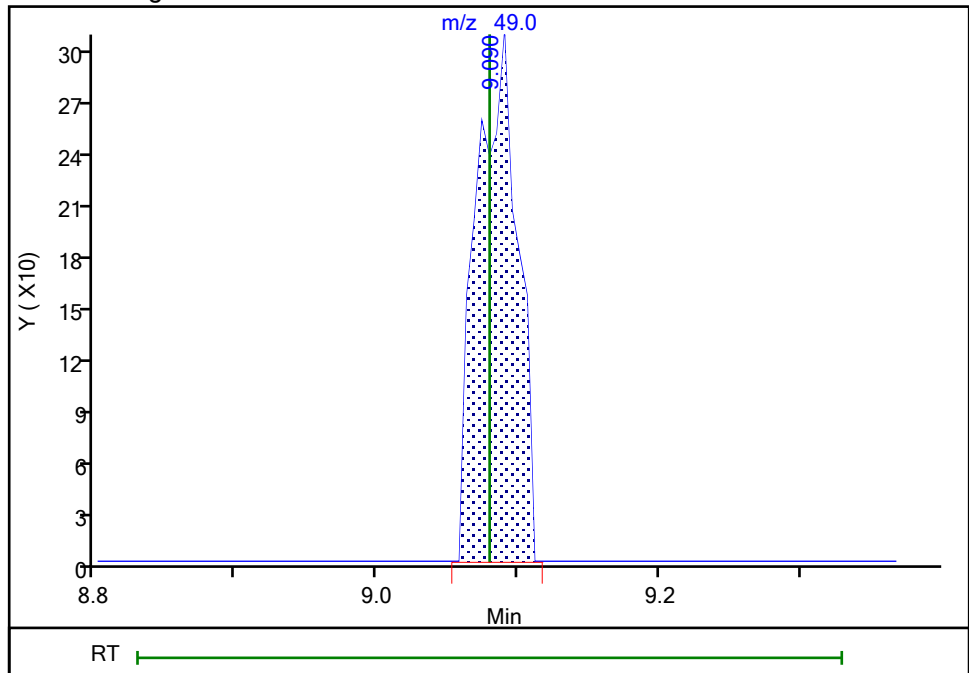
RT: 9.09
Area: 430
Amount: 0.034512
Amount Units: ppb v/v

Processing Integration Results



RT: 9.09
Area: 627
Amount: 0.050324
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 16-Dec-2024 09:14:45 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-76233-1 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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Propylene	++++ 0.5794	++++ 0.5620	++++ 0.5792	0.5582	0.5538	Ave		0.566 5				2.1		30.0			
Dichlorodifluoromethane	++++ 2.8534	++++ 2.7296	2.3141 2.7765	2.7478	2.7375	Ave		2.693 2				7.1		30.0			
Freon 22	++++ 1.4162	++++ 1.3751	1.1541 1.3966	1.3459	1.3375	Ave		1.337 6				7.1		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.9757	3.3676 2.9129	2.4033 2.9415	2.8462	2.8422	Ave		2.898 5				9.8		30.0			
Chloromethane	++++ 0.7758	++++ 0.7575	0.6362 0.7704	0.7424	0.7391	Ave		0.736 9				7.0		30.0			
n-Butane	++++ 1.6810	++++ 1.6617	1.4400 1.5391	1.6935	1.6514	Ave		1.611 1				6.2		30.0			
Vinyl chloride	1.4401 1.3297	1.5018 1.3082	1.1045 1.2095	1.3363	1.3007	Ave		1.316 3				9.4		30.0			
1,3-Butadiene	1.2516 0.9632	1.1690 0.9551	0.8505 0.8801	0.9741	0.9463	Ave		0.998 8				13.9		30.0			
Bromomethane	++++ 1.1456	1.2786 1.1228	0.9352 1.1278	1.1063	1.0989	Ave		1.116 4				9.0		30.0			
Chloroethane	++++ 0.5830	0.6352 0.5675	0.4676 0.5754	0.5640	0.5568	Ave		0.564 2				8.8		30.0			
Isopentane	++++ 1.0578	1.2501 1.0238	0.8573 1.0617	1.0093	1.0055	Ave		1.037 9				11.2		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.2013	1.3011 1.1817	0.9489 1.1934	1.1540	1.1536	Ave		1.162 0				9.1		30.0			
Trichlorofluoromethane	++++ 3.2748	3.6385 3.2216	2.6686 3.2181	3.1706	3.1546	Ave		3.192 4				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.: 200-76233-1 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		1.608 9				7.4		30.0			
Ethanol	++++ 0.2561	0.3847 0.3916	++++ 0.4007	0.3888	0.3719	Ave		0.365 6				14.9		30.0			
Ethyl ether	++++ 0.8259	0.8862 0.8139	0.6366 0.8384	0.7831	0.7882	Ave		0.796 0				9.8		30.0			
Acrolein	++++ 0.4311	++++ 0.4237	++++ 0.4457	0.3975	0.3979	Ave		0.419 2				5.0		30.0			
1,1-Dichloroethene	1.4910 1.3626	1.5013 1.3392	1.0883 1.3530	1.3047	1.3031	Ave		1.342 9				9.6		30.0			
Freon TF	++++ 2.9399	3.2358 2.9000	2.3836 2.8770	2.8502	2.8365	Ave		2.860 4				8.8		30.0			
Acetone	++++ 1.7135	++++ 1.6824	++++ 1.7078	1.6877	1.6788	Ave		1.694 1				0.9		30.0			
Isopropyl alcohol	++++ 1.7435	++++ 1.6788	++++ 1.6324	1.6430	1.6775	Ave		1.675 0				2.6		30.0			
Carbon disulfide	++++ 3.9181	++++ 3.8572	3.0681 3.7581	3.7496	3.7522	Ave		3.683 9				8.4		30.0			
Acetonitrile	++++ 0.8770	++++ 0.8407	++++ 0.8551	0.8047	0.8142	Ave		0.838 3				3.5		30.0			
3-Chloropropene	++++ 1.4562	1.7866 1.4215	1.2179 1.4129	1.3806	1.3887	Ave		1.437 8				11.9		30.0			
Methylene Chloride	++++ 1.4490	++++ 1.4248	1.1875 1.3824	1.3994	1.3922	Ave		1.372 6				6.8		30.0			
tert-Butyl alcohol	++++ 2.5903	++++ 2.5179	++++ 2.3215	2.4316	2.4919	Ave		2.470 6				4.1		30.0			
Acrylonitrile	++++ 0.9321	++++ 0.9340	0.6771 0.9164	0.8690	0.8969	Ave		0.870 9				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		1.912 4				9.5		30.0			
Methyl tert-butyl ether	++++ 3.8517	4.0170 3.8045	2.8881 3.6335	3.6367	3.7021	Ave		3.647 7				9.9		30.0			
n-Hexane	++++ 2.0159	2.3030 1.9878	1.5884 1.9211	1.9260	1.9403	Ave		1.954 6				10.7		30.0			
1,1-Dichloroethane	2.5453 2.4989	2.7426 2.4671	1.9905 2.3343	2.4093	2.4234	Ave		2.426 4				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.: 200-76233-1 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		2.733 3				4.4		30.0			
Methyl Ethyl Ketone	++++ 0.7113	++++ 0.7082	0.5080 0.6962	0.6648	0.6826	Ave		0.661 9				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		1.540 7				9.4		30.0			
Ethyl acetate	++++ 0.1286	++++ 0.1271	++++ 0.1259	0.1160	0.1225	Ave		0.124 0				4.0		30.0			
Tetrahydrofuran	++++ 0.2951	++++ 0.2925	++++ 0.2876	0.2736	0.2819	Ave		0.286 2				3.0		30.0			
Chloroform	++++ 3.0373	3.3921 3.0019	2.4419 2.8725	2.9574	2.9400	Ave		2.949 0				9.5		30.0			
1,1,1-Trichloroethane	++++ 0.6542	0.6835 0.6483	0.5003 0.6336	0.6213	0.6254	Ave		0.623 8				9.4		30.0			
Cyclohexane	++++ 0.4029	0.4200 0.3998	0.3098 0.3942	0.3813	0.3870	Ave		0.385 0				9.2		30.0			
Carbon tetrachloride	0.5786 0.6775	0.6684 0.6730	0.4954 0.6625	0.6392	0.6408	Ave		0.629 4				10.0		30.0			
Benzene	++++ 0.9302	1.0536 0.9201	0.7341 0.8868	0.8948	0.8952	Ave		0.902 1				10.4		30.0			
1,2-Dichloroethane	++++ 0.4069	0.4546 0.4056	0.3261 0.3925	0.3921	0.3905	Ave		0.395 5				9.6		30.0			
2,2,4-Trimethylpentane	++++ 1.3936	1.4892 1.3749	1.0703 1.3146	1.3227	1.3375	Ave		1.329 0				9.7		30.0			
n-Heptane	++++ 0.4767	0.5342 0.4736	0.3612 0.4621	0.4472	0.4565	Ave		0.458 8				11.2		30.0			
n-Butanol	++++ 0.2004	++++ 0.1959	++++ 0.1887	0.1819	0.1906	Ave		0.191 5				3.7		30.0			
Trichloroethene	0.4537 0.4355	0.4773 0.4348	0.3373 0.4255	0.4125	0.4162	Ave		0.424 1				9.6		30.0			
1,2-Dichloropropane	++++ 0.3479	0.3621 0.3469	0.2668 0.3381	0.3279	0.3334	Ave		0.331 9				9.3		30.0			
Methyl methacrylate	++++ 0.3437	++++ 0.3440	0.2201 0.3390	0.3106	0.3258	Ave		0.313 9				15.2		30.0			
1,4-Dioxane	++++ 0.1880	0.2313 0.1800	0.1511 0.1732	0.1860	0.1844	Ave		0.184 9				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.: 200-76233-1 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		0.391 3				12.1		30.0			
Bromodichloromethane	+++++ 0.7123	0.7106 0.7098	0.5205 0.6892	0.6675	0.6788	Ave		0.669 8				10.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.6134	0.5822 0.6126	0.4095 0.6018	0.5658	0.5828	Ave		0.566 9				12.6		30.0			
methyl isobutyl ketone	+++++ 0.6420	+++++ 0.6368	0.4181 0.6166	0.5895	0.6122	Ave		0.585 9				14.4		30.0			
Toluene	+++++ 0.7379	0.8091 0.7342	0.5594 0.7055	0.7027	0.7101	Ave		0.708 4				10.6		30.0			
n-Octane	+++++ 0.6660	0.7128 0.6636	0.4930 0.6313	0.6295	0.6417	Ave		0.634 0				10.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.4946	0.4651 0.4980	0.3315 0.4876	0.4508	0.4682	Ave		0.456 5				12.7		30.0			
1,1,2-Trichloroethane	+++++ 0.3859	0.4223 0.3847	0.2949 0.3785	0.3645	0.3677	Ave		0.371 2				10.4		30.0			
Tetrachloroethene	0.6477 0.6004	0.6649 0.5966	0.4764 0.5881	0.5754	0.5720	Ave		0.590 2				9.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.6814	+++++ 0.6781	0.3956 0.6606	0.6178	0.6420	Ave		0.612 6				17.8		30.0			
Dibromochloromethane	+++++ 0.7818	0.7243 0.7832	0.5211 0.7694	0.7161	0.7253	Ave		0.717 3				12.7		30.0			
1,2-Dibromoethane	+++++ 0.7156	0.7681 0.7155	0.5297 0.6950	0.6762	0.6831	Ave		0.683 3				10.9		30.0			
Chlorobenzene	+++++ 0.9961	1.1909 0.9918	0.7942 0.9505	0.9578	0.9577	Ave		0.977 0				11.9		30.0			
Ethylbenzene	+++++ 1.6350	1.8036 1.6141	1.2571 1.5021	1.5761	1.5748	Ave		1.566 1				10.5		30.0			
m,p-Xylene	+++++ 0.6271	0.6771 0.6258	0.4679 0.5879	0.5974	0.6029	Ave		0.598 0				10.8		30.0			
n-Nonane	+++++ 0.7528	0.8038 0.7503	0.5671 0.7111	0.7273	0.7295	Ave		0.720 3				10.2		30.0			
Xylene, o-	+++++ 0.6050	0.6361 0.6052	0.4403 0.5809	0.5717	0.5831	Ave		0.574 6				11.0		30.0			
Styrene	+++++ 1.0133	1.0135 1.0126	0.6735 0.9638	0.9422	0.9744	Ave		0.941 9				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.: 200-76233-1 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		0.606 8				15.8		30.0			
Cumene	++++ 1.7889	1.8877 1.7736	1.3481 1.6098	1.7435	1.7420	Ave		1.699 1				10.3		30.0			
1,1,2,2-Tetrachloroethane	++++ 1.0103	1.1369 1.0068	0.7559 0.9520	0.9763	0.9750	Ave		0.973 3				11.6		30.0			
1,2,3-Trichloropropane	++++ 0.7657	++++ 0.7632	0.6136 0.7348	0.7379	0.7365	Ave		0.725 3				7.8		30.0			
n-Propylbenzene	++++ 2.1804	2.4219 2.1423	1.6712 1.8826	2.1415	2.1391	Ave		2.082 7				11.5		30.0			
2-Chlorotoluene	++++ 1.3925	1.6575 1.4207	1.0840 1.3109	1.3577	1.3507	Ave		1.367 7				12.4		30.0			
4-Ethyltoluene	++++ 1.7718	1.8924 1.7447	1.3127 1.5629	1.7179	1.7199	Ave		1.674 6				11.1		30.0			
1,3,5-Trimethylbenzene	++++ 1.5013	1.5875 1.4781	1.1267 1.3290	1.4509	1.4569	Ave		1.418 6				10.6		30.0			
n-Decane	++++ 0.9719	++++ 0.9660	0.7089 0.8827	0.9425	0.9492	Ave		0.903 5				11.1		30.0			
Alpha Methyl Styrene	++++ 0.8106	0.7260 0.8128	0.4860 0.7713	0.7398	0.7766	Ave		0.731 9				15.5		30.0			
tert-Butylbenzene	++++ 1.4240	1.5269 1.4002	1.0682 1.2842	1.3824	1.3797	Ave		1.352 2				10.7		30.0			
1,2,4-Trimethylbenzene	++++ 1.5047	1.6051 1.4910	1.1109 1.3549	1.4654	1.4764	Ave		1.429 8				11.1		30.0			
sec-Butylbenzene	++++ 2.1846	2.3293 2.1287	1.6708 1.8317	2.1570	2.1443	Ave		2.063 8				11.1		30.0			
1,3-Dichlorobenzene	++++ 1.0557	1.2574 1.0611	0.7851 0.9777	1.0028	1.0163	Ave		1.022 3				13.6		30.0			
4-Isopropyltoluene	++++ 1.8517	1.8280 1.8082	1.3529 1.5744	1.7940	1.8051	Ave		1.716 3				10.8		30.0			
1,4-Dichlorobenzene	++++ 1.0568	1.3037 1.0627	0.7929 0.9842	1.0047	1.0232	Ave		1.032 6				14.6		30.0			
Benzyl chloride	++++ 1.4848	1.2650 1.4674	0.7936 1.3633	1.3464	1.4102	Ave		1.304 4				18.2		30.0			
n-Butylbenzene	++++ 1.8400	1.8427 1.8131	1.2887 1.5778	1.7748	1.8142	Ave		1.707 3				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.: 200-76233-1 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		0.993 1				14.0		30.0			
n-Undecane	+++++ 1.1078	+++++ 1.1027	+++++ 1.0151	0.9749	1.0831	Ave		1.056 7				5.6		30.0			
n-Dodecane	+++++ 1.1214	+++++ 1.1390	+++++ 1.0275	0.5976	1.0864	Ave		0.994 4				22.7		30.0			
1,2,4-Trichlorobenzene	+++++ 0.8014	0.9190 0.8320	0.4094 0.7967	0.5703	0.7670	Ave		0.728 0				24.1		30.0			
Hexachlorobutadiene	+++++ 0.7072	0.7271 0.7110	0.4901 0.6859	0.6313	0.6731	Ave		0.660 8				12.3		30.0			
Naphthalene	+++++ 1.7852	1.9808 1.8433	0.6339 1.6710	0.9592	1.7172	Ave		1.513 0				33.6	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.7729	0.9444 0.7915	0.3856 0.7654	0.5211	0.7291	Ave		0.701 4				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.: 200-76233-1 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
Freon 22	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.: 200-76233-1

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
Freon TF	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	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.: 200-76233-1

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
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
trans-1,3-Dichloropropene	DFBZ	Ave	++++	14435	30161	360130	889411	++++	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.: 200-76233-1 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
			1410921	1895581	3847853			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	++++	11715	23946	264226	638436	++++	0.170	0.499	4.24	10.00
			1004907	1335720	2718773			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	4036	18444	38682	417133	993248	0.0351	0.170	0.499	4.24	10.00
			1563509	2071422	4223562			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	++++	++++	32123	447880	1114739	++++	++++	0.499	4.24	10.00
			1774413	2354471	4744328			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	++++	20090	42315	519129	1259542	++++	0.170	0.499	4.24	10.00
			2035801	2719254	5525935			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	++++	21307	43016	490188	1186141	++++	0.170	0.499	4.24	10.00
			1863321	2484430	4991534			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	++++	33033	64493	694329	1662981	++++	0.170	0.499	4.24	10.00
			2593865	3443738	6826913			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	++++	50028	102084	1142610	2734598	++++	0.170	0.499	4.24	10.00
			4257524	5604266	10788207			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	++++	37561	75993	866147	2093920	++++	0.340	0.999	8.49	20.0
			3265616	4345934	8444971			30.0	40.0	80.0		
n-Nonane	CBNZd 5	Ave	++++	22295	46053	527282	1266754	++++	0.170	0.499	4.24	10.00
			1960337	2605134	5107580			15.0	20.0	40.0		
Xylene, o-	CBNZd 5	Ave	++++	17643	35758	414411	1012614	++++	0.170	0.499	4.24	10.00
			1575413	2101286	4172455			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	++++	28112	54687	683064	1692067	++++	0.170	0.499	4.24	10.00
			2638558	3515984	6922522			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	++++	16882	33490	431754	1014875	++++	0.170	0.499	4.24	10.00
			1772444	2374567	4896522			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	++++	52362	109467	1263905	3025002	++++	0.170	0.499	4.24	10.00
			4658205	6158205	11561856			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++	31535	61380	707767	1692997	++++	0.170	0.499	4.24	10.00
			2630816	3495597	6837680			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.: 200-76233-1 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
1,2,3-Trichloropropane	CBNZd 5	Ave	++++ 1993940	++++ 2649954	49827 5277602	534947	1278963	++++ 15.0	++++ 20.0	0.499 40.0	4.24	10.00
n-Propylbenzene	CBNZd 5	Ave	++++ 5677597	++++ 7438496	135706 13521261	1552419	3714560	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
2-Chlorotoluene	CBNZd 5	Ave	++++ 3626026	45976 4932932	88022 9415322	984235	2345369	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
4-Ethyltoluene	CBNZd 5	Ave	++++ 4613643	52493 6057692	106599 11225276	1245366	2986471	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++ 3909275	44035 5132321	91490 9544940	1051786	2529924	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
n-Decane	CBNZd 5	Ave	++++ 2530757	++++ 3354129	57562 6339825	683280	1648317	++++ 15.0	++++ 20.0	0.499 40.0	4.24	10.00
Alpha Methyl Styrene	CBNZd 5	Ave	++++ 2110636	20139 2822276	39467 5539621	536275	1348551	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
tert-Butylbenzene	CBNZd 5	Ave	++++ 3707927	42354 4861613	86742 9223712	1002136	2395822	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++ 3918119	44524 5176986	90207 9730994	1062322	2563719	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
sec-Butylbenzene	CBNZd 5	Ave	++++ 5688590	64610 7391140	135676 13155949	1563704	3723481	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,3-Dichlorobenzene	CBNZd 5	Ave	++++ 2749026	34877 3684397	63756 7022067	726945	1764735	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
4-Isopropyltoluene	CBNZd 5	Ave	++++ 4821801	50705 6278363	109860 11308034	1300514	3134550	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
1,4-Dichlorobenzene	CBNZd 5	Ave	++++ 2751865	36162 3689816	64390 7069066	728371	1776678	++++ 15.0	0.170 20.0	0.499 40.0	4.24	10.00
Benzyl chloride	CBNZd 5	Ave	++++ 3866402	35090 5095037	64441 9791888	976060	2448851	++++ 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.: 200-76233-1 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	CBNZd 5	Ave	+++++	51113	104651	1286613	3150356	+++++	0.170	0.499	4.24	10.00
			4791135	6295298	11332413			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	34385	62438	704818	1709290	+++++	0.170	0.499	4.24	10.00
			2665740	3541932	6771316			15.0	20.0	40.0		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	706757	1880747	+++++	+++++	+++++	4.24	10.00
			2884637	3828689	7290645			15.0	20.0	40.0		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	433244	1886532	+++++	+++++	+++++	4.24	10.00
			2919941	3954732	7379620			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	29901	38995	484955	1562307	+++++	0.200	0.586	4.98	11.7
			2447740	3388761	6711757			17.6	23.5	46.9		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	22668	44730	514409	1313819	+++++	0.191	0.561	4.77	11.2
			2069879	2774832	5536946			16.9	22.5	45.0		
Naphthalene	CBNZd 5	Ave	+++++	65328	61208	826800	3545500	+++++	0.202	0.594	5.05	11.9
			5527109	7609920	14269899			17.8	23.8	47.6		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	30518	36476	440099	1475030	+++++	0.198	0.582	4.94	11.6
			2344753	3201781	6404258			17.5	23.3	46.6		

Curve Type Legend:

Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-76237-1 Analy Batch No.: 211609
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-211609/3	63216-03.d
Level 2	IC 200-211609/20	63216-20.d
Level 3	IC 200-211609/6	63216-06.d
Level 4	IC 200-211609/7	63216-07.d
Level 5	ICIS 200-211609/8	63216-08.d
Level 6	IC 200-211609/9	63216-09.d
Level 7	IC 200-211609/12	63216-12.d
Level 8	IC 200-211609/13	63216-13.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Propylene	++++ 0.8096	++++ 0.7362	++++ 0.7370	0.8001	0.8383	Ave		0.784 3				5.8		30.0			
Dichlorodifluoromethane	++++ 2.9893	++++ 2.6920	2.9316 2.7142	2.9418	3.1034	Ave		2.895 4				5.6		30.0			
Freon 22	++++ 1.5451	++++ 1.3932	1.5581 1.4196	1.5259	1.6001	Ave		1.507 0				5.4		30.0			
1,2-Dichlorotetrafluoroethane	++++ 3.2207	3.4349 2.9209	3.1773 2.9472	3.1310	3.3359	Ave		3.166 8				6.0		30.0			
Chloromethane	++++ 0.9314	++++ 0.8446	0.9360 0.8517	0.9210	0.9731	Ave		0.909 6				5.6		30.0			
Vinyl chloride	1.3174 1.0297	1.0203 0.9260	1.0356 0.9210	1.0036	1.0686	Ave		1.040 3				11.9		30.0			
n-Butane	++++ 1.3496	++++ 1.2017	1.4703 1.1984	1.3160	1.3913	Ave		1.321 2				8.1		30.0			
1,3-Butadiene	0.8758 0.7577	0.8611 0.6830	0.7991 0.6853	0.7421	0.7884	Ave		0.774 1				9.3		30.0			
Bromomethane	++++ 1.2057	1.3176 1.0984	1.2240 1.1158	1.1775	1.2505	Ave		1.198 5				6.4		30.0			
Chloroethane	++++ 0.6569	++++ 0.5969	0.6483 0.6031	0.6383	0.6806	Ave		0.637 4				5.1		30.0			
Isopentane	++++ 1.2399	1.4207 1.1281	1.3311 1.1328	1.2138	1.2900	Ave		1.250 9				8.5		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.2455	1.3432 1.1349	1.2029 1.1475	1.2021	1.2789	Ave		1.222 1				6.0		30.0			
Trichlorofluoromethane	++++ 3.0293	3.2305 2.7651	3.0260 2.7695	2.9732	3.1354	Ave		2.989 9				5.8		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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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	++++ 1.9049	++++ 1.7212	2.0281 1.7391	1.8681	1.9659	Ave		1.871 2				6.5		30.0			
Ethanol	++++ 0.4568	++++ 0.4326	0.4509 0.4316	0.4431	0.4806	Ave		0.449 3				4.1		30.0			
Ethyl ether	++++ 0.8618	0.7602 0.7848	0.7614 0.7978	0.8221	0.8886	Ave		0.811 0				6.1		30.0			
Acrolein	++++ 0.4272	++++ 0.4045	++++ 0.4070	0.4095	0.4441	Ave		0.418 4				4.0		30.0			
1,1-Dichloroethene	1.2246 1.3620	1.3864 1.2373	1.2937 1.2567	1.3146	1.3977	Ave		1.309 1				5.2		30.0			
Freon TF	++++ 2.7878	2.9780 2.5455	2.7679 2.5549	2.7103	2.8746	Ave		2.745 6				5.8		30.0			
Acetone	++++ 1.4877	++++ 1.3763	++++ 1.3597	1.4152	1.5226	Ave		1.432 3				4.9		30.0			
Isopropyl alcohol	++++ 1.5812	++++ 1.4169	++++ 1.4318	1.5007	1.6374	Ave		1.513 6				6.3		30.0			
Carbon disulfide	++++ 3.6973	++++ 3.3807	3.6562 3.4359	3.5827	3.8185	Ave		3.595 2				4.6		30.0			
Acetonitrile	++++ 0.8078	++++ 0.7286	++++ 0.7391	0.7612	0.8164	Ave		0.770 6				5.2		30.0			
3-Chloropropene	++++ 1.3730	1.6544 1.2365	1.4965 1.2512	1.3469	1.4009	Ave		1.394 2				10.4		30.0			
Methylene Chloride	++++ 1.2279	++++ 1.1162	1.3917 1.1197	1.2138	1.2667	Ave		1.222 7				8.4		30.0			
tert-Butyl alcohol	++++ 2.3742	++++ 2.1393	++++ 2.1706	2.2817	2.4447	Ave		2.282 1				5.7		30.0			
Acrylonitrile	++++ 0.8486	++++ 0.7711	0.5623 0.7940	0.7737	0.8609	Ave		0.768 5				14.0		30.0			
trans-1,2-Dichloroethene	1.7108 1.6944	1.7131 1.5359	1.6095 1.5510	1.6352	1.7445	Ave		1.649 3				4.8		30.0			
Methyl tert-butyl ether	++++ 3.6773	3.6482 3.3718	3.4895 3.3830	3.5383	3.8362	Ave		3.563 5				4.7		30.0			
n-Hexane	++++ 1.9670	2.0793 1.7863	1.9911 1.8172	1.9123	2.0248	Ave		1.939 7				5.5		30.0			
1,1-Dichloroethane	2.3268 2.1894	2.2844 1.9828	2.1524 2.0009	2.1374	2.2495	Ave		2.165 4				5.8		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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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	+++++ 2.5284	+++++ 2.3022	+++++ 2.3464	2.3459	2.5963	Ave		2.423 8				5.4		30.0			
Methyl Ethyl Ketone	+++++ 0.6870	+++++ 0.6315	0.5406 0.6428	0.6362	0.7103	Ave		0.641 4				9.1		30.0			
cis-1,2-Dichloroethene	1.5512 1.5325	1.5611 1.3992	1.4787 1.4123	1.4822	1.5727	Ave		1.498 7				4.5		30.0			
Ethyl acetate	+++++ 0.1366	+++++ 0.1251	+++++ 0.1294	0.1226	0.1402	Ave		0.130 8				5.7		30.0			
Tetrahydrofuran	+++++ 0.2441	+++++ 0.2244	+++++ 0.2237	0.2335	0.2521	Ave		0.235 6				5.3		30.0			
Chloroform	+++++ 2.6473	2.6856 2.4053	2.5561 2.4384	2.5641	2.7268	Ave		2.574 8				4.7		30.0			
1,1,1-Trichloroethane	+++++ 0.5357	0.5405 0.4919	0.5258 0.4984	0.5179	0.5527	Ave		0.523 3				4.2		30.0			
Cyclohexane	+++++ 0.3868	0.3882 0.3559	0.3696 0.3615	0.3711	0.3975	Ave		0.375 8				4.1		30.0			
Carbon tetrachloride	0.5210 0.5667	0.5525 0.5230	0.5263 0.5292	0.5430	0.5836	Ave		0.543 2				4.2		30.0			
Benzene	+++++ 0.8438	0.8873 0.7747	0.8239 0.7868	0.8098	0.8720	Ave		0.828 3				5.1		30.0			
1,2-Dichloroethane	+++++ 0.2971	0.2843 0.2711	0.2836 0.2733	0.2842	0.3036	Ave		0.285 3				4.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.2334	1.2441 1.1318	1.1905 1.1428	1.1878	1.2751	Ave		1.200 8				4.4		30.0			
n-Heptane	+++++ 0.4033	0.4131 0.3702	0.4001 0.3716	0.3908	0.4170	Ave		0.395 2				4.7		30.0			
n-Butanol	+++++ 0.1661	+++++ 0.1509	+++++ 0.1587	0.1408	0.1671	Ave		0.156 7				7.0		30.0			
Trichloroethene	0.3772 0.3707	0.3778 0.3406	0.3418 0.3442	0.3558	0.3809	Ave		0.361 1				4.8		30.0			
1,2-Dichloropropane	+++++ 0.2854	0.2827 0.2622	0.2642 0.2638	0.2718	0.2942	Ave		0.274 9				4.6		30.0			
Methyl methacrylate	+++++ 0.2980	+++++ 0.2818	0.2186 0.2816	0.2682	0.3078	Ave		0.276 0				11.4		30.0			
1,4-Dioxane	+++++ 0.1670	0.1584 0.1511	0.1512 0.1503	0.1643	0.1751	Ave		0.159 6				6.0		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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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	++++ 0.4040	0.4322 0.3722	0.3858 0.3740	0.3903	0.4211	Ave		0.397 1				5.8		30.0			
Bromodichloromethane	++++ 0.5628	0.5270 0.5195	0.5117 0.5265	0.5307	0.5786	Ave		0.536 7				4.6		30.0			
cis-1,3-Dichloropropene	++++ 0.5166	0.4627 0.4764	0.4472 0.4838	0.4828	0.5345	Ave		0.486 3				6.2		30.0			
methyl isobutyl ketone	++++ 0.5024	++++ 0.4655	0.3913 0.4686	0.4625	0.5203	Ave		0.468 4				9.5		30.0			
Toluene	++++ 0.7491	0.7311 0.6842	0.6965 0.6847	0.7129	0.7721	Ave		0.718 7				4.7		30.0			
n-Octane	++++ 0.5629	0.5993 0.5172	0.6636 0.5150	0.5480	0.5926	Ave		0.571 2				9.2		30.0			
trans-1,3-Dichloropropene	++++ 0.4088	0.3441 0.3781	0.3447 0.3824	0.3805	0.4225	Ave		0.380 2				7.7		30.0			
1,1,2-Trichloroethane	++++ 0.3332	0.3215 0.3054	0.3041 0.3079	0.3170	0.3454	Ave		0.319 2				4.8		30.0			
Tetrachloroethene	0.7219 0.6918	0.7029 0.6369	0.6636 0.6327	0.6614	0.7164	Ave		0.678 4				5.1		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.5424	++++ 0.4977	0.3879 0.5055	0.4826	0.5568	Ave		0.495 5				12.0		30.0			
Dibromochloromethane	++++ 0.7657	0.6481 0.7094	0.6507 0.7127	0.7120	0.7681	Ave		0.709 5				6.8		30.0			
1,2-Dibromoethane	++++ 0.6607	0.6091 0.6058	0.5863 0.6080	0.6186	0.6778	Ave		0.623 8				5.3		30.0			
Chlorobenzene	++++ 1.0306	1.0614 0.9510	0.9957 0.9452	0.9921	1.0709	Ave		1.006 7				5.0		30.0			
Ethylbenzene	++++ 1.6192	1.5946 1.4920	1.5079 1.4763	1.5563	1.6707	Ave		1.559 6				4.6		30.0			
m,p-Xylene	++++ 0.6621	0.6455 0.6094	0.6107 0.5990	0.6377	0.6865	Ave		0.635 8				5.0		30.0			
n-Nonane	++++ 0.6933	0.6603 0.6345	0.6688 0.6228	0.6702	0.7203	Ave		0.667 2				5.0		30.0			
Xylene, o-	++++ 0.6372	0.5976 0.5876	0.5827 0.5785	0.6139	0.6599	Ave		0.608 2				5.0		30.0			
Styrene	++++ 1.0581	0.8583 0.9788	0.8665 0.9631	0.9944	1.0910	Ave		0.972 9				9.0		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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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	++++ 0.8035	0.6686 0.7539	0.6510 0.7576	0.7428	0.7514	Ave		0.732 7				7.3		30.0			
Cumene	++++ 1.9195	1.8476 1.7670	1.7774 1.7334	1.8567	1.9920	Ave		1.841 9				5.0		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8832	0.8161 0.8147	0.7949 0.8100	0.8421	0.9172	Ave		0.839 7				5.3		30.0			
1,2,3-Trichloropropane	++++ 0.6608	++++ 0.6110	0.6179 0.6042	0.6388	0.6905	Ave		0.637 2				5.2		30.0			
n-Propylbenzene	++++ 2.1913	2.0487 2.0323	1.9815 1.9840	2.1161	2.2879	Ave		2.091 7				5.5		30.0			
2-Chlorotoluene	++++ 1.5047	1.4652 1.3867	1.4109 1.3637	1.4548	1.5605	Ave		1.449 5				4.7		30.0			
4-Ethyltoluene	++++ 1.8783	1.6858 1.7310	1.6539 1.6914	1.8102	1.9542	Ave		1.772 1				6.3		30.0			
1,3,5-Trimethylbenzene	++++ 1.5749	1.5078 1.4511	1.4407 1.3942	1.5307	1.6538	Ave		1.507 6				5.9		30.0			
n-Decane	++++ 0.8938	++++ 0.8240	0.8217 0.7958	0.8756	0.9455	Ave		0.859 4				6.5		30.0			
Alpha Methyl Styrene	++++ 0.8751	0.6479 0.8182	0.6523 0.8068	0.8188	0.9055	Ave		0.789 2				12.8		30.0			
tert-Butylbenzene	++++ 1.6031	1.6008 1.4763	1.5055 1.4437	1.5600	1.6839	Ave		1.553 3				5.4		30.0			
1,2,4-Trimethylbenzene	++++ 1.5735	1.4643 1.4656	1.4089 1.4355	1.5307	1.6536	Ave		1.504 6				5.7		30.0			
sec-Butylbenzene	++++ 2.3705	2.2927 2.1871	2.1730 2.1224	2.3012	2.4813	Ave		2.275 4				5.5		30.0			
1,3-Dichlorobenzene	++++ 1.1470	1.0379 1.0705	0.9940 1.0305	1.1075	1.1998	Ave		1.083 9				6.7		30.0			
4-Isopropyltoluene	++++ 2.0967	1.9542 1.9371	1.8644 1.8596	2.0361	2.1995	Ave		1.992 5				6.3		30.0			
1,4-Dichlorobenzene	++++ 1.1397	1.0547 1.0672	0.9713 1.0440	1.0914	1.1912	Ave		1.079 9				6.5		30.0			
Benzyl chloride	++++ 1.3775	0.9336 1.2927	1.0015 1.2965	1.2592	1.4278	Ave		1.227 0				15.3		30.0			
n-Butylbenzene	++++ 1.7666	1.5955 1.6556	1.5367 1.6236	1.7247	1.8588	Ave		1.680 2				6.6		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
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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	+++++ 1.0894	1.0250 1.0199	0.9686 0.9980	1.0516	1.1364	Ave		1.041 3				5.5		30.0			
n-Undecane	+++++ 0.9710	+++++ 0.9271	+++++ 0.9252	0.9888	1.0569	Ave		0.973 8				5.5		30.0			
n-Dodecane	+++++ 0.8528	+++++ 0.9114	+++++ 0.9491	1.0029	1.0096	Ave		0.945 2				6.9		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7603	+++++ 0.7565	0.4950 0.7970	0.7596	0.8125	Ave		0.730 1				16.1		30.0			
Hexachlorobutadiene	+++++ 0.9313	1.0552 0.8638	0.8517 0.8674	0.9116	0.9788	Ave		0.922 8				8.0		30.0			
Naphthalene	+++++ 1.4558	1.0735 1.5275	0.8745 1.6531	1.5972	1.6207	Ave		1.400 3				21.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7206	+++++ 0.7233	0.4692 0.7758	0.7242	0.7856	Ave		0.699 8				16.7		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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-211609/3	63216-03.d
Level 2	IC 200-211609/20	63216-20.d
Level 3	IC 200-211609/6	63216-06.d
Level 4	IC 200-211609/7	63216-07.d
Level 5	ICIS 200-211609/8	63216-08.d
Level 6	IC 200-211609/9	63216-09.d
Level 7	IC 200-211609/12	63216-12.d
Level 8	IC 200-211609/13	63216-13.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	++++ 191721	++++ 235285	++++ 477578	52834	128902	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 707861	++++ 860310	++++ 1758849	194255	477190	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Freon 22	BCM	Ave	++++ 365881	++++ 445231	++++ 10166 919922	100757	246036	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 762646	++++ 9127 933446	++++ 20730 1909815	206745	512949	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Chloromethane	BCM	Ave	++++ 220549	++++ 269928	++++ 6107 551897	60816	149626	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	++++ 243823	++++ 2711 295926	++++ 6757 596854	66271	164316	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butane	BCM	Ave	++++ 319582	++++ 384046	++++ 9593 776607	86895	213933	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	++++ 179419	++++ 472 218279	++++ 5214 444064	49000	121233	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromomethane	BCM	Ave	++++ 285515	++++ 3501 351009	++++ 7986 723080	77754	192276	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Chloroethane	BCM	Ave	++++ 155561	++++ 190760	++++ 4230 390791	42148	104659	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Isopentane	BCM	Ave	++++ 293609	++++ 3775 360522	++++ 8685 734097	80149	198352	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 294927	++++ 3569 362672	++++ 7848 743606	79376	196644	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	++++ 717318	++++ 8584 883667	++++ 19743 1794685	196326	482118	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
n-Pentane	BCM	Ave	++++ 451072	++++ 550055	++++ 13232 1126943	123354	302294	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Ethanol	BCM	Ave	++++ 144550	++++ 276537	++++ 29453 699227	58560	110887	++++ 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.: 200-76237-1

Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i

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

Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12

Calibration End Date: 12/04/2024 09:15

Calibration ID: 54086

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	+++++ 204077	2020 250797	4968 517018	54283	136641	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acrolein	BCM	Ave	+++++ 118454	+++++ 151361	+++++ 308829	31663	79964	+++++ 17.6	+++++ 23.4	+++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	660 322514	3684 395416	8441 814360	86805	214914	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Freon TF	BCM	Ave	+++++ 660132	7913 813494	18059 1655622	178963	442008	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acetone	BCM	Ave	+++++ 352273	+++++ 439827	+++++ 881123	93448	234127	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	+++++ 433956	+++++ 524786	+++++ 1075336	114851	291810	+++++ 17.4	+++++ 23.2	+++++ 46.4	4.92	11.6
Carbon disulfide	BCM	Ave	+++++ 875511	+++++ 1080387	23855 2226542	236574	587153	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Acetonitrile	BCM	Ave	+++++ 191281	+++++ 232834	+++++ 478922	50266	125529	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	+++++ 325125	4396 395166	9764 810819	88937	215414	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	+++++ 290773	+++++ 356716	9080 725580	80151	194782	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 562203	+++++ 683666	+++++ 1406605	150666	375910	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	+++++ 200956	+++++ 246430	3669 514556	51088	132382	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	922 401235	4552 490827	10501 1005050	107975	268246	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 870780	9694 1077559	22767 2192220	233638	589874	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Hexane	BCM	Ave	+++++ 465783	5525 570869	12991 1177566	126273	311348	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	1254 518438	6070 633644	14043 1296652	141133	345890	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	+++++ 681925	+++++ 837977	+++++ 1731888	176438	454717	+++++ 17.1	+++++ 22.8	+++++ 45.6	4.83	11.4
Methyl Ethyl Ketone	BCM	Ave	+++++ 162690	+++++ 201825	3527 416547	42007	109222	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	836 362893	4148 447150	9648 915194	97873	241820	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	+++++ 32351	+++++ 39990	+++++ 83876	8094	21556	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	79617	199048	+++++	+++++	+++++	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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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
			297572	366920	741540			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 626874	7136 768666	16677 1580096	169313	419289	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 653035	7443 804349	17796 1652099	176571	436331	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	++++ 471548	5346 582094	12507 1198203	126505	313843	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	1460 690877	7608 855317	17811 1754179	185122	460748	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzene	DFBZ	Ave	++++ 1028683	12218 1266823	27882 2608028	276090	688375	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 362127	3915 443289	9599 906041	96882	239670	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 1503587	17131 1850862	40291 3788334	404943	1006642	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	++++ 491634	5688 605425	13541 1231904	133229	329174	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	++++ 202534	++++ 246694	++++ 526020	48018	131937	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	1057 451900	5203 557060	11569 1140937	121306	300729	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 347876	3893 428854	8941 874353	92663	232263	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	++++ 363248	++++ 460768	7398 933449	91434	242969	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	++++ 203525	2181 247096	5117 498376	56000	138224	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	++++ 492449	5951 608639	13058 1239846	133064	332451	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	++++ 686059	7257 849583	17317 1745244	180944	456736	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 629794	6372 779103	15135 1603732	164604	421952	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 612413	++++ 761259	13244 1553192	157668	410738	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
Toluene	CBNZd 5	Ave	++++ 781476	8714 968280	20093 1966861	208555	528390	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Octane	DFBZ	Ave	++++ 686202	8252 845740	22457 1707120	186843	467814	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++	4738	11667	129729	333522	++++	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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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
			498315	618319	1267535			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	++++	3832	8774	92738	236402	++++	0.170	0.425	4.24	10.00
			347592	432261	884567			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	1762	8377	19144	193483	490275	0.0351	0.170	0.425	4.24	10.00
			721630	901422	1817596			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	++++	++++	11190	141160	381060	++++	++++	0.425	4.24	10.00
			565865	704378	1452064			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	++++	7724	18771	208269	525706	++++	0.170	0.425	4.24	10.00
			798777	1003974	2047272			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	++++	7260	16915	180945	463846	++++	0.170	0.425	4.24	10.00
			689192	857384	1746502			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	++++	12650	28725	290223	732940	++++	0.170	0.425	4.24	10.00
			1075161	1345941	2715212			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	++++	19005	43499	455267	1143412	++++	0.170	0.425	4.24	10.00
			1689181	2111548	4240689			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	++++	15386	35233	373087	939662	++++	0.340	0.851	8.49	20.0
			1381423	1724850	3441156			30.0	40.0	80.0		
n-Nonane	CBNZd 5	Ave	++++	7870	19294	196040	492981	++++	0.170	0.425	4.24	10.00
			723260	897955	1788935			15.0	20.0	40.0		
Xylene, o-	CBNZd 5	Ave	++++	7122	16810	179591	451597	++++	0.170	0.425	4.24	10.00
			664733	831529	1661877			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	++++	10229	24996	290886	746662	++++	0.170	0.425	4.24	10.00
			1103850	1385260	2766624			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	++++	7968	18780	217296	514235	++++	0.170	0.425	4.24	10.00
			838233	1066908	2176228			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	++++	22020	51276	543124	1363297	++++	0.170	0.425	4.24	10.00
			2002436	2500754	4979177			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++	9727	22932	246337	627723	++++	0.170	0.425	4.24	10.00
			921322	1152955	2326695			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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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	CBNZd 5	Ave	++++ 689348	++++ 864764	17826 1735718	186881	472547	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
n-Propylbenzene	CBNZd 5	Ave	++++ 2285996	24417 2876113	57162 5698994	619009	1565782	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2-Chlorotoluene	CBNZd 5	Ave	++++ 1569659	17463 1962509	40702 3917433	425563	1067989	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Ethyltoluene	CBNZd 5	Ave	++++ 1959456	20092 2449784	47713 4858709	529527	1337431	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++ 1642884	17971 2053673	41562 4004994	447777	1131819	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Decane	CBNZd 5	Ave	++++ 932392	++++ 1166206	23705 2285848	256133	647091	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
Alpha Methyl Styrene	CBNZd 5	Ave	++++ 912881	7722 1157996	18818 2317527	239513	619702	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
tert-Butylbenzene	CBNZd 5	Ave	++++ 1672391	19079 2089255	43432 4147081	456342	1152452	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++ 1641418	17452 2074134	40644 4123411	447758	1131701	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
sec-Butylbenzene	CBNZd 5	Ave	++++ 2472855	27325 3095182	62688 6096649	673154	1698133	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,3-Dichlorobenzene	CBNZd 5	Ave	++++ 1196503	12370 1514978	28675 2960122	323967	821131	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Isopropyltoluene	CBNZd 5	Ave	++++ 2187253	23291 2741414	53785 5341862	595619	1505308	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,4-Dichlorobenzene	CBNZd 5	Ave	++++ 1188978	12570 1510292	28020 2998966	319278	815242	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzyl chloride	CBNZd 5	Ave	++++ 1436954	11127 1829437	28891 3724288	368337	977187	++++ 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.: 200-76237-1 Analy Batch No.: 211609

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 18:12 Calibration End Date: 12/04/2024 09:15 Calibration ID: 54086

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	CBNZd 5	Ave	+++++	19016	44331	504511	1272159	+++++	0.170	0.425	4.24	10.00
			1842867	2343010	4663791			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	12216	27941	307630	777729	+++++	0.170	0.425	4.24	10.00
			1136488	1443374	2866702			15.0	20.0	40.0		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	289243	723293	+++++	+++++	+++++	4.24	10.00
			1012929	1312047	2657691			15.0	20.0	40.0		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	293365	690955	+++++	+++++	+++++	4.24	10.00
			889670	1289846	2726278			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	16749	260661	652251	+++++	+++++	0.499	4.98	11.7
			930383	1255752	2685445			17.6	23.5	46.9		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	14136	27617	299737	752945	+++++	0.191	0.478	4.77	11.2
			1092034	1374096	2800598			16.9	22.5	45.0		
Naphthalene	CBNZd 5	Ave	+++++	15213	29997	555532	1318854	+++++	0.202	0.506	5.05	11.9
			1805749	2570368	5646015			17.8	23.8	47.6		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	15770	246810	626394	+++++	+++++	0.496	4.94	11.6
			875732	1192497	2596386			17.5	23.3	46.6		

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76233-1

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
Freon 22	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
Freon TF	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	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
Carbon tetrachloride	Ave	0.6294	0.6649		10.6	10.0	5.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76233-1

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
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
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
Xylene, o-	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
sec-Butylbenzene	Ave	2.064	2.233		10.8	10.0	8.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76233-1
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
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

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76233-1

SDG No.: _____

Lab Sample ID: CCVIS 200-212098/2 Calibration Date: 12/14/2024 11:46

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: 63369_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	0.4965		8.76	10.0	-12.4	30.0
Dichlorodifluoromethane	Ave	2.693	2.306		8.56	10.0	-14.4	30.0
Freon 22	Ave	1.338	1.216		9.09	10.0	-9.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.899	2.524		8.71	10.0	-12.9	30.0
Chloromethane	Ave	0.7369	0.7240		9.82	10.0	-1.8	30.0
n-Butane	Ave	1.611	2.130		13.2	10.0	32.2*	30.0
Vinyl chloride	Ave	1.316	1.643		12.5	10.0	24.8	30.0
1,3-Butadiene	Ave	0.999	1.208		12.1	10.0	20.9	30.0
Bromomethane	Ave	1.116	1.019		9.12	10.0	-8.7	30.0
Chloroethane	Ave	0.5642	0.5577		9.88	10.0	-1.2	30.0
Isopentane	Ave	1.038	1.039		10.0	10.0	0.1	30.0
Bromoethene (Vinyl Bromide)	Ave	1.162	1.049		9.02	10.0	-9.7	30.0
Trichlorofluoromethane	Ave	3.192	2.790		8.74	10.0	-12.6	30.0
n-Pentane	Ave	1.609	1.715		10.7	10.0	6.6	30.0
Ethanol	Ave	0.3656	0.4440		18.2	15.0	21.4	30.0
Ethyl ether	Ave	0.7960	0.8107		10.2	10.0	1.8	30.0
Acrolein	Ave	0.4192	0.4283		12.0	11.7	2.2	30.0
1,1-Dichloroethene	Ave	1.343	1.270		9.46	10.0	-5.4	30.0
Freon TF	Ave	2.860	2.744		9.59	10.0	-4.1	30.0
Acetone	Ave	1.694	1.733		10.2	10.0	2.3	30.0
Isopropyl alcohol	Ave	1.675	1.721		11.9	11.6	2.8	30.0
Carbon disulfide	Ave	3.684	3.954		10.7	10.0	7.3	30.0
Acetonitrile	Ave	0.8383	0.9027		10.8	10.0	7.7	30.0
3-Chloropropene	Ave	1.438	1.486		10.3	10.0	3.4	30.0
Methylene Chloride	Ave	1.373	1.568		11.4	10.0	14.2	30.0
tert-Butyl alcohol	Ave	2.471	2.471		10.0	10.0	0.0	30.0
Acrylonitrile	Ave	0.8709	0.9768		11.2	10.0	12.2	30.0
Methyl tert-butyl ether	Ave	3.648	3.710		10.2	10.0	1.7	30.0
trans-1,2-Dichloroethene	Ave	1.912	2.056		10.7	10.0	7.5	30.0
n-Hexane	Ave	1.955	2.110		10.8	10.0	8.0	30.0
1,1-Dichloroethane	Ave	2.426	2.598		10.7	10.0	7.1	30.0
Vinyl acetate	Ave	2.733	2.655		11.1	11.4	-2.9	30.0
Methyl Ethyl Ketone	Ave	0.6619	0.6972		10.5	10.0	5.3	30.0
cis-1,2-Dichloroethene	Ave	1.541	1.504		9.76	10.0	-2.4	30.0
Ethyl acetate	Ave	0.1240	0.1182		9.53	10.0	-4.7	30.0
Tetrahydrofuran	Ave	0.2862	0.3095		10.8	10.0	8.1	30.0
Chloroform	Ave	2.949	2.984		10.1	10.0	1.2	30.0
1,1,1-Trichloroethane	Ave	0.6238	0.5991		9.60	10.0	-4.0	30.0
Cyclohexane	Ave	0.3850	0.3888		10.1	10.0	1.0	30.0
Carbon tetrachloride	Ave	0.6294	0.6072		9.65	10.0	-3.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76233-1

SDG No.: _____

Lab Sample ID: CCVIS 200-212098/2 Calibration Date: 12/14/2024 11:46

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: 63369_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	0.9021	0.9228		10.2	10.0	2.3	30.0
1,2-Dichloroethane	Ave	0.3955	0.4016		10.2	10.0	1.5	30.0
2,2,4-Trimethylpentane	Ave	1.329	1.464		11.0	10.0	10.2	30.0
n-Heptane	Ave	0.4588	0.5066		11.0	10.0	10.4	30.0
n-Butanol	Ave	0.1915	0.1829		9.55	10.0	-4.5	30.0
Trichloroethene	Ave	0.4241	0.4112		9.69	10.0	-3.0	30.0
1,2-Dichloropropane	Ave	0.3319	0.3672		11.1	10.0	10.6	30.0
Methyl methacrylate	Ave	0.3139	0.3326		10.6	10.0	6.0	30.0
1,4-Dioxane	Ave	0.1849	0.1767		9.56	10.0	-4.4	30.0
Dibromomethane	Ave	0.3913	0.3461		8.84	10.0	-11.5	30.0
Bromodichloromethane	Ave	0.6698	0.6907		10.3	10.0	3.1	30.0
cis-1,3-Dichloropropene	Ave	0.5669	0.5848		10.3	10.0	3.2	30.0
methyl isobutyl ketone	Ave	0.5859	0.6632		11.3	10.0	13.2	30.0
Toluene	Ave	0.7084	0.6863		9.69	10.0	-3.1	30.0
n-Octane	Ave	0.6340	0.7228		11.4	10.0	14.0	30.0
trans-1,3-Dichloropropene	Ave	0.4565	0.4673		10.2	10.0	2.3	30.0
1,1,2-Trichloroethane	Ave	0.3712	0.3783		10.2	10.0	1.9	30.0
Tetrachloroethene	Ave	0.5902	0.5183		8.78	10.0	-12.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6126	0.6588		10.8	10.0	7.6	30.0
Dibromochloromethane	Ave	0.7173	0.7197		10.0	10.0	0.3	30.0
1,2-Dibromoethane	Ave	0.6833	0.6564		9.60	10.0	-3.9	30.0
Chlorobenzene	Ave	0.9770	0.9069		9.28	10.0	-7.2	30.0
Ethylbenzene	Ave	1.566	1.535		9.80	10.0	-2.0	30.0
m,p-Xylene	Ave	0.5980	0.5763		19.3	20.0	-3.6	30.0
n-Nonane	Ave	0.7203	0.8014		11.1	10.0	11.3	30.0
Xylene, o-	Ave	0.5746	0.5489		9.55	10.0	-4.5	30.0
Styrene	Ave	0.9419	0.9081		9.64	10.0	-3.6	30.0
Bromoform	Ave	0.6068	0.6626		10.9	10.0	9.2	30.0
Cumene	Ave	1.699	1.651		9.71	10.0	-2.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9733	0.999		10.3	10.0	2.7	30.0
1,2,3-Trichloropropane	Ave	0.7253	0.7449		10.3	10.0	2.7	30.0
n-Propylbenzene	Ave	2.083	2.096		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	1.368	1.337		9.78	10.0	-2.2	30.0
4-Ethyltoluene	Ave	1.675	1.635		9.76	10.0	-2.3	30.0
1,3,5-Trimethylbenzene	Ave	1.419	1.393		9.82	10.0	-1.8	30.0
n-Decane	Ave	0.9035	1.046		11.6	10.0	15.8	30.0
Alpha Methyl Styrene	Ave	0.7319	0.6977		9.53	10.0	-4.7	30.0
tert-Butylbenzene	Ave	1.352	1.293		9.56	10.0	-4.4	30.0
1,2,4-Trimethylbenzene	Ave	1.430	1.395		9.75	10.0	-2.4	30.0
sec-Butylbenzene	Ave	2.064	2.071		10.0	10.0	0.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76233-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-212098/2 Calibration Date: 12/14/2024 11:46
 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: 63369_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	1.022	0.9109		8.91	10.0	-10.9	30.0
4-Isopropyltoluene	Ave	1.716	1.683		9.81	10.0	-1.9	30.0
1,4-Dichlorobenzene	Ave	1.033	0.8979		8.69	10.0	-13.0	30.0
Benzyl chloride	Ave	1.304	1.261		9.67	10.0	-3.3	30.0
n-Butylbenzene	Ave	1.707	1.748		10.2	10.0	2.4	30.0
1,2-Dichlorobenzene	Ave	0.9931	0.8748		8.81	10.0	-11.9	30.0
n-Undecane	Ave	1.057	1.116		10.6	10.0	5.6	30.0
n-Dodecane	Ave	0.9944	0.9736		9.79	10.0	-2.1	30.0
1,2,4-Trichlorobenzene	Ave	0.7280	0.5435		8.76	11.7	-25.3	30.0
Hexachlorobutadiene	Ave	0.6608	0.5485		9.33	11.2	-17.0	30.0
Naphthalene	Ave	1.513	1.217		9.56	11.9	-19.6	30.0
1,2,3-Trichlorobenzene	Ave	0.7014	0.5222		8.67	11.6	-25.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76237-1

SDG No.: _____

Lab Sample ID: ICV 200-211695/2 Calibration Date: 12/05/2024 09:30

Instrument ID: CHW.i Calib Start Date: 12/03/2024 18:12

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/04/2024 09:15

Lab File ID: 63239-02.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	0.7843	0.8583		10.9	10.0	9.4	30.0
Dichlorodifluoromethane	Ave	2.895	3.115		10.8	10.0	7.6	30.0
Freon 22	Ave	1.507	1.640		10.9	10.0	8.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.167	3.362		10.6	10.0	6.2	30.0
Chloromethane	Ave	0.9096	0.996		10.9	10.0	9.5	30.0
Vinyl chloride	Ave	1.040	1.006		9.67	10.0	-3.3	30.0
n-Butane	Ave	1.321	1.331		10.1	10.0	0.8	30.0
1,3-Butadiene	Ave	0.7741	0.7506		9.70	10.0	-3.0	30.0
Bromomethane	Ave	1.198	1.270		10.6	10.0	5.9	30.0
Chloroethane	Ave	0.6374	0.6941		10.9	10.0	8.9	30.0
Isopentane	Ave	1.251	1.306		10.4	10.0	4.4	30.0
Bromoethene (Vinyl Bromide)	Ave	1.222	1.308		10.7	10.0	7.0	30.0
Trichlorofluoromethane	Ave	2.990	3.137		10.5	10.0	4.9	30.0
n-Pentane	Ave	1.871	1.992		10.6	10.0	6.4	30.0
Ethanol	Ave	0.4493	0.4888		16.3	15.0	8.8	30.0
Ethyl ether	Ave	0.8110	0.8990		11.1	10.0	10.9	30.0
Acrolein	Ave	0.4184	0.5186		12.4	10.0	23.9	30.0
1,1-Dichloroethene	Ave	1.309	1.411		10.8	10.0	7.8	30.0
Freon TF	Ave	2.746	2.893		10.5	10.0	5.4	30.0
Acetone	Ave	1.432	1.604		11.2	10.0	12.0	30.0
Isopropyl alcohol	Ave	1.514	1.876		12.4	10.0	23.9	30.0
Carbon disulfide	Ave	3.595	3.831		10.7	10.0	6.6	30.0
Acetonitrile	Ave	0.7706	0.8268		10.7	10.0	7.3	30.0
3-Chloropropene	Ave	1.394	1.411		10.1	10.0	1.2	30.0
Methylene Chloride	Ave	1.223	1.287		10.5	10.0	5.3	30.0
tert-Butyl alcohol	Ave	2.282	2.438		10.7	10.0	6.8	30.0
Acrylonitrile	Ave	0.7685	0.8663		11.3	10.0	12.7	30.0
Methyl tert-butyl ether	Ave	3.563	3.813		10.7	10.0	7.0	30.0
trans-1,2-Dichloroethene	Ave	1.649	1.756		10.6	10.0	6.5	30.0
n-Hexane	Ave	1.940	2.037		10.5	10.0	5.0	30.0
1,1-Dichloroethane	Ave	2.165	2.277		10.5	10.0	5.1	30.0
Vinyl acetate	Ave	2.424	2.872		11.8	10.0	18.5	30.0
Methyl Ethyl Ketone	Ave	0.6414	0.7035		11.0	10.0	9.7	30.0
cis-1,2-Dichloroethene	Ave	1.499	1.578		10.5	10.0	5.3	30.0
Ethyl acetate	Ave	0.1308	0.1397		10.7	10.0	6.8	30.0
Tetrahydrofuran	Ave	0.2356	0.2484		10.5	10.0	5.4	30.0
Chloroform	Ave	2.575	2.717		10.5	10.0	5.5	30.0
1,1,1-Trichloroethane	Ave	0.5233	0.5484		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.3758	0.3992		10.6	10.0	6.2	30.0
Carbon tetrachloride	Ave	0.5432	0.5798		10.7	10.0	6.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76237-1

SDG No.: _____

Lab Sample ID: ICV 200-211695/2 Calibration Date: 12/05/2024 09:30

Instrument ID: CHW.i Calib Start Date: 12/03/2024 18:12

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/04/2024 09:15

Lab File ID: 63239-02.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	0.8283	0.8660		10.5	10.0	4.6	30.0
1,2-Dichloroethane	Ave	0.2853	0.3040		10.7	10.0	6.6	30.0
2,2,4-Trimethylpentane	Ave	1.201	1.271		10.6	10.0	5.9	30.0
n-Heptane	Ave	0.3952	0.4155		10.5	10.0	5.1	30.0
n-Butanol	Ave	0.1567	0.1624		10.4	10.0	3.6	30.0
Trichloroethene	Ave	0.3611	0.3797		10.5	10.0	5.1	30.0
1,2-Dichloropropane	Ave	0.2749	0.2927		10.6	10.0	6.5	30.0
Methyl methacrylate	Ave	0.2760	0.2985		10.8	10.0	8.1	30.0
1,4-Dioxane	Ave	0.1596	0.1697		10.6	10.0	6.3	30.0
Dibromomethane	Ave	0.3971	0.4205		10.6	10.0	5.9	30.0
Bromodichloromethane	Ave	0.5367	0.5689		10.6	10.0	6.0	30.0
cis-1,3-Dichloropropene	Ave	0.4863	0.5263		10.8	10.0	8.2	30.0
methyl isobutyl ketone	Ave	0.4684	0.5054		10.8	10.0	7.9	30.0
Toluene	Ave	0.7187	0.7633		10.6	10.0	6.2	30.0
n-Octane	Ave	0.5712	0.5759		10.1	10.0	0.8	30.0
trans-1,3-Dichloropropene	Ave	0.3802	0.4125		10.8	10.0	8.5	30.0
1,1,2-Trichloroethane	Ave	0.3192	0.3384		10.6	10.0	6.0	30.0
Tetrachloroethene	Ave	0.6784	0.7084		10.4	10.0	4.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4955	0.5401		10.9	10.0	9.0	30.0
Dibromochloromethane	Ave	0.7095	0.7523		10.6	10.0	6.0	30.0
1,2-Dibromoethane	Ave	0.6238	0.6650		10.7	10.0	6.6	30.0
Chlorobenzene	Ave	1.007	1.052		10.4	10.0	4.5	30.0
Ethylbenzene	Ave	1.560	1.641		10.5	10.0	5.2	30.0
m,p-Xylene	Ave	0.6358	0.6735		21.2	20.0	5.9	30.0
n-Nonane	Ave	0.6672	0.7040		10.5	10.0	5.5	30.0
Xylene, o-	Ave	0.6082	0.6468		10.6	10.0	6.3	30.0
Styrene	Ave	0.9729	1.066		11.0	10.0	9.6	30.0
Bromoform	Ave	0.7327	0.7292		9.95	10.0	-0.5	30.0
Cumene	Ave	1.842	1.949		10.6	10.0	5.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8397	0.8933		10.6	10.0	6.4	30.0
1,2,3-Trichloropropane	Ave	0.6372	0.6749		10.6	10.0	5.9	30.0
n-Propylbenzene	Ave	2.092	2.231		10.7	10.0	6.7	30.0
2-Chlorotoluene	Ave	1.450	1.528		10.5	10.0	5.4	30.0
4-Ethyltoluene	Ave	1.772	1.910		10.8	10.0	7.8	30.0
1,3,5-Trimethylbenzene	Ave	1.508	1.611		10.7	10.0	6.9	30.0
n-Decane	Ave	0.8594	0.9163		10.7	10.0	6.6	30.0
Alpha Methyl Styrene	Ave	0.7892	0.8808		11.2	10.0	11.6	30.0
tert-Butylbenzene	Ave	1.553	1.643		10.6	10.0	5.8	30.0
1,2,4-Trimethylbenzene	Ave	1.505	1.609		10.7	10.0	7.0	30.0
sec-Butylbenzene	Ave	2.275	2.415		10.6	10.0	6.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76237-1
 SDG No.: _____
 Lab Sample ID: ICV 200-211695/2 Calibration Date: 12/05/2024 09:30
 Instrument ID: CHW.i Calib Start Date: 12/03/2024 18:12
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/04/2024 09:15
 Lab File ID: 63239-02.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	1.084	1.165		10.7	10.0	7.5	30.0
4-Isopropyltoluene	Ave	1.993	2.143		10.8	10.0	7.6	30.0
1,4-Dichlorobenzene	Ave	1.080	1.153		10.7	10.0	6.8	30.0
Benzyl chloride	Ave	1.227	1.360		11.1	10.0	10.8	30.0
n-Butylbenzene	Ave	1.680	1.805		10.7	10.0	7.4	30.0
1,2-Dichlorobenzene	Ave	1.041	1.105		10.6	10.0	6.1	30.0
n-Undecane	Ave	0.9738	1.016		10.4	10.0	4.3	30.0
n-Dodecane	Ave	0.9452	0.9511		10.1	10.0	0.6	30.0
1,2,4-Trichlorobenzene	Ave	0.7301	0.9027		12.4	10.0	23.6	30.0
Hexachlorobutadiene	Ave	0.9228	1.073		11.6	10.0	16.2	30.0
Naphthalene	Ave	1.400	1.795		12.8	10.0	28.2	30.0
1,2,3-Trichlorobenzene	Ave	0.6998	0.8314		11.9	10.0	18.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76237-1

SDG No.: _____

Lab Sample ID: CCVIS 200-212096/2 Calibration Date: 12/14/2024 09:40

Instrument ID: CHW.i Calib Start Date: 12/03/2024 18:12

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/04/2024 09:15

Lab File ID: 63367-02.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	0.7843	1.004		12.8	10.0	28.0	30.0
Dichlorodifluoromethane	Ave	2.895	3.086		10.7	10.0	6.6	30.0
Freon 22	Ave	1.507	1.849		12.3	10.0	22.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.167	3.417		10.8	10.0	7.9	30.0
Chloromethane	Ave	0.9096	1.147		12.6	10.0	26.1	30.0
Vinyl chloride	Ave	1.040	1.042		10.0	10.0	0.2	30.0
n-Butane	Ave	1.321	1.444		10.9	10.0	9.3	30.0
1,3-Butadiene	Ave	0.7741	0.7771		10.0	10.0	0.4	30.0
Bromomethane	Ave	1.198	1.299		10.8	10.0	8.4	30.0
Chloroethane	Ave	0.6374	0.7626		12.0	10.0	19.6	30.0
Isopentane	Ave	1.251	1.515		12.1	10.0	21.1	30.0
Bromoethene (Vinyl Bromide)	Ave	1.222	1.281		10.5	10.0	4.8	30.0
Trichlorofluoromethane	Ave	2.990	3.050		10.2	10.0	2.0	30.0
n-Pentane	Ave	1.871	2.303		12.3	10.0	23.1	30.0
Ethanol	Ave	0.4493	0.5554		18.5	15.0	23.6	30.0
Ethyl ether	Ave	0.8110	0.9634		11.9	10.0	18.8	30.0
Acrolein	Ave	0.4184	0.3730		10.4	11.7	-10.9	30.0
1,1-Dichloroethene	Ave	1.309	1.405		10.7	10.0	7.3	30.0
Freon TF	Ave	2.746	2.915		10.6	10.0	6.2	30.0
Acetone	Ave	1.432	1.693		11.8	10.0	18.2	30.0
Isopropyl alcohol	Ave	1.514	1.776		13.6	11.6	17.3	30.0
Carbon disulfide	Ave	3.595	4.044		11.2	10.0	12.5	30.0
Acetonitrile	Ave	0.7706	0.9791		12.7	10.0	27.1	30.0
3-Chloropropene	Ave	1.394	1.610		11.5	10.0	15.5	30.0
Methylene Chloride	Ave	1.223	1.473		12.0	10.0	20.4	30.0
tert-Butyl alcohol	Ave	2.282	2.433		10.7	10.0	6.6	30.0
Acrylonitrile	Ave	0.7685	0.9718		12.6	10.0	26.5	30.0
Methyl tert-butyl ether	Ave	3.563	3.815		10.7	10.0	7.1	30.0
trans-1,2-Dichloroethene	Ave	1.649	1.907		11.6	10.0	15.7	30.0
n-Hexane	Ave	1.940	2.222		11.5	10.0	14.6	30.0
1,1-Dichloroethane	Ave	2.165	2.474		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	2.424	2.831		13.3	11.4	16.8	30.0
Methyl Ethyl Ketone	Ave	0.6414	0.7268		11.3	10.0	13.3	30.0
cis-1,2-Dichloroethene	Ave	1.499	1.575		10.5	10.0	5.1	30.0
Ethyl acetate	Ave	0.1308	0.1389		10.6	10.0	6.2	30.0
Tetrahydrofuran	Ave	0.2356	0.2857		12.1	10.0	21.3	30.0
Chloroform	Ave	2.575	2.715		10.5	10.0	5.4	30.0
1,1,1-Trichloroethane	Ave	0.5233	0.5156		9.85	10.0	-1.5	30.0
Cyclohexane	Ave	0.3758	0.3990		10.6	10.0	6.2	30.0
Carbon tetrachloride	Ave	0.5432	0.5374		9.89	10.0	-1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76237-1

SDG No.: _____

Lab Sample ID: CCVIS 200-212096/2 Calibration Date: 12/14/2024 09:40

Instrument ID: CHW.i Calib Start Date: 12/03/2024 18:12

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/04/2024 09:15

Lab File ID: 63367-02.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	0.8283	0.8805		10.6	10.0	6.3	30.0
1,2-Dichloroethane	Ave	0.2853	0.3125		10.9	10.0	9.5	30.0
2,2,4-Trimethylpentane	Ave	1.201	1.385		11.5	10.0	15.4	30.0
n-Heptane	Ave	0.3952	0.4731		12.0	10.0	19.7	30.0
n-Butanol	Ave	0.1567	0.1702		10.9	10.0	8.6	30.0
Trichloroethene	Ave	0.3611	0.3738		10.3	10.0	3.5	30.0
1,2-Dichloropropane	Ave	0.2749	0.3186		11.6	10.0	15.9	30.0
Methyl methacrylate	Ave	0.2760	0.3121		11.3	10.0	13.1	30.0
1,4-Dioxane	Ave	0.1596	0.1691		10.6	10.0	5.9	30.0
Dibromomethane	Ave	0.3971	0.3945		9.93	10.0	-0.6	30.0
Bromodichloromethane	Ave	0.5367	0.5556		10.4	10.0	3.5	30.0
cis-1,3-Dichloropropene	Ave	0.4863	0.5262		10.8	10.0	8.2	30.0
methyl isobutyl ketone	Ave	0.4684	0.5611		12.0	10.0	19.8	30.0
Toluene	Ave	0.7187	0.7311		10.2	10.0	1.7	30.0
n-Octane	Ave	0.5712	0.6642		11.6	10.0	16.3	30.0
trans-1,3-Dichloropropene	Ave	0.3802	0.4151		10.9	10.0	9.2	30.0
1,1,2-Trichloroethane	Ave	0.3192	0.3383		10.6	10.0	6.0	30.0
Tetrachloroethene	Ave	0.6784	0.6325		9.32	10.0	-6.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4955	0.5819		11.7	10.0	17.4	30.0
Dibromochloromethane	Ave	0.7095	0.6789		9.57	10.0	-4.3	30.0
1,2-Dibromoethane	Ave	0.6238	0.6327		10.1	10.0	1.4	30.0
Chlorobenzene	Ave	1.007	1.012		10.1	10.0	0.5	30.0
Ethylbenzene	Ave	1.560	1.588		10.2	10.0	1.8	30.0
m,p-Xylene	Ave	0.6358	0.6446		20.3	20.0	1.4	30.0
n-Nonane	Ave	0.6672	0.7692		11.5	10.0	15.3	30.0
Xylene, o-	Ave	0.6082	0.6120		10.1	10.0	0.6	30.0
Styrene	Ave	0.9729	1.011		10.4	10.0	3.9	30.0
Bromoform	Ave	0.7327	0.6414		8.75	10.0	-12.5	30.0
Cumene	Ave	1.842	1.844		10.0	10.0	0.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8397	0.9029		10.8	10.0	7.5	30.0
1,2,3-Trichloropropane	Ave	0.6372	0.6961		10.9	10.0	9.2	30.0
n-Propylbenzene	Ave	2.092	2.182		10.4	10.0	4.3	30.0
2-Chlorotoluene	Ave	1.450	1.484		10.2	10.0	2.4	30.0
4-Ethyltoluene	Ave	1.772	1.825		10.3	10.0	3.0	30.0
1,3,5-Trimethylbenzene	Ave	1.508	1.530		10.1	10.0	1.5	30.0
n-Decane	Ave	0.8594	0.997		11.6	10.0	16.0	30.0
Alpha Methyl Styrene	Ave	0.7892	0.8189		10.4	10.0	3.8	30.0
tert-Butylbenzene	Ave	1.553	1.537		9.89	10.0	-1.0	30.0
1,2,4-Trimethylbenzene	Ave	1.505	1.533		10.2	10.0	1.9	30.0
sec-Butylbenzene	Ave	2.275	2.305		10.1	10.0	1.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-76237-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-212096/2 Calibration Date: 12/14/2024 09:40
 Instrument ID: CHW.i Calib Start Date: 12/03/2024 18:12
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/04/2024 09:15
 Lab File ID: 63367-02.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	1.084	1.070		9.87	10.0	-1.3	30.0
4-Isopropyltoluene	Ave	1.993	1.992		9.99	10.0	-0.0	30.0
1,4-Dichlorobenzene	Ave	1.080	1.052		9.74	10.0	-2.6	30.0
Benzyl chloride	Ave	1.227	1.271		10.4	10.0	3.6	30.0
n-Butylbenzene	Ave	1.680	1.747		10.4	10.0	4.0	30.0
1,2-Dichlorobenzene	Ave	1.041	1.016		9.76	10.0	-2.4	30.0
n-Undecane	Ave	0.9738	1.109		11.4	10.0	13.9	30.0
n-Dodecane	Ave	0.9452	1.016		10.7	10.0	7.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7301	0.6719		10.8	11.7	-8.0	30.0
Hexachlorobutadiene	Ave	0.9228	0.8410		10.2	11.2	-8.9	30.0
Naphthalene	Ave	1.400	1.346		11.4	11.9	-3.9	30.0
1,2,3-Trichlorobenzene	Ave	0.6998	0.6376		10.6	11.6	-8.9	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76233-1

SDG No.: _____

Instrument ID: CHAM.iStart Date: 10/16/2024 12:34Analysis Batch Number: 209766End 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 (QC)		10/16/2024 19:41	1		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)
ZZZZZ (QC)		10/17/2024 08:54	1		RTX-624 0.32 (mm)
IC 200-209766/26		10/17/2024 10:36	1	62526_02e6.D	RTX-624 0.32 (mm)
ZZZZZ (QC)		10/17/2024 10:36	1		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.: 200-76233-1

SDG No.: _____

Instrument ID: CHAM.i Start Date: 12/14/2024 10:58Analysis Batch Number: 212098 End Date: 12/14/2024 15:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212098/1		12/14/2024 10:58	1	63369_001.D	RTX-624 0.32 (mm)
CCVIS 200-212098/2		12/14/2024 11:46	1	63369_002.D	RTX-624 0.32 (mm)
LCS 200-212098/4		12/14/2024 13:28	1	63369_004.D	RTX-624 0.32 (mm)
MB 200-212098/5		12/14/2024 14:19	1	63369_005.D	RTX-624 0.32 (mm)
200-76233-9	5105	12/14/2024 15:21	0.2	63369_006.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76237-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 12/03/2024 16:31Analysis Batch Number: 211609End Date: 12/04/2024 09:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-211609/1		12/03/2024 16:31	1	63216-01.d	RTX-624 0.32 (mm)
IC 200-211609/3		12/03/2024 18:12	1	63216-03.d	RTX-624 0.32 (mm)
ZZZZZ		12/03/2024 19:53	1		RTX-624 0.32 (mm)
IC 200-211609/6		12/03/2024 20:44	1	63216-06.d	RTX-624 0.32 (mm)
IC 200-211609/7		12/03/2024 21:35	1	63216-07.d	RTX-624 0.32 (mm)
ICIS 200-211609/8		12/03/2024 22:25	1	63216-08.d	RTX-624 0.32 (mm)
IC 200-211609/9		12/03/2024 23:16	1	63216-09.d	RTX-624 0.32 (mm)
IC 200-211609/12		12/04/2024 01:48	1	63216-12.d	RTX-624 0.32 (mm)
IC 200-211609/13		12/04/2024 02:39	1	63216-13.d	RTX-624 0.32 (mm)
ZZZZZ (Client)		12/04/2024 04:20	1		RTX-624 0.32 (mm)
ZZZZZ		12/04/2024 06:02	1		RTX-624 0.32 (mm)
IC 200-211609/20		12/04/2024 09:15	1	63216-20.d	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76237-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 12/05/2024 08:36Analysis Batch Number: 211695End Date: 12/06/2024 04:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-211695/1		12/05/2024 08:36	1	63239-01.d	RTX-624 0.32 (mm)
ICV 200-211695/2		12/05/2024 09:30	1	63239-02.d	RTX-624 0.32 (mm)
CCVIS 200-211695/3		12/05/2024 10:21	1		RTX-624 0.32 (mm)
ZZZZZ (QC)		12/05/2024 11:13	1		RTX-624 0.32 (mm)
ZZZZZ (QC)		12/05/2024 12:03	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 12:54	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 13:47	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 14:37	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 15:28	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 16:19	10		RTX-624 0.32 (mm)
ZZZZZ (QC)		12/05/2024 17:10	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 18:01	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 18:51	10		RTX-624 0.32 (mm)
ZZZZZ (QC)		12/05/2024 19:42	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 20:33	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 21:24	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 22:14	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 23:05	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/05/2024 23:56	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/06/2024 01:01	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/06/2024 02:05	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/06/2024 03:10	0.2		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/06/2024 04:02	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-76237-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 12/14/2024 08:49Analysis Batch Number: 212096End Date: 12/15/2024 08:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-212096/1		12/14/2024 08:49	1	63367-01.d	RTX-624 0.32 (mm)
CCVIS 200-212096/2		12/14/2024 09:40	1	63367-02.d	RTX-624 0.32 (mm)
LCS 200-212096/4		12/14/2024 11:21	1	63367-04.d	RTX-624 0.32 (mm)
MB 200-212096/5		12/14/2024 13:01	1	63367-05.d	RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 14:06	0.2		RTX-624 0.32 (mm)
200-76237-10	3273	12/14/2024 15:11	0.2	63367-07.d	RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 16:01	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 16:52	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 17:42	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 18:34	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 19:26	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 20:17	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 21:08	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 21:58	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 22:49	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/14/2024 23:39	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 00:30	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 01:22	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 02:13	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 03:03	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 03:54	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 04:44	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 05:36	1		RTX-624 0.32 (mm)
ZZZZZ (QC)		12/15/2024 06:27	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 07:19	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		12/15/2024 08:24	0.2		RTX-624 0.32 (mm)

Subcontract Data

Shipping and Receiving Documents

Eurofins TestAmerica, Burlington

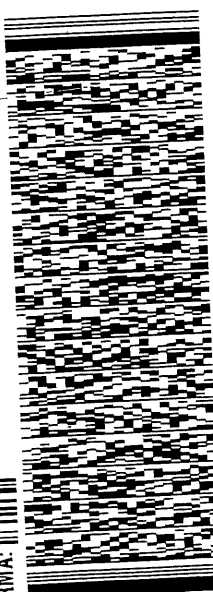
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

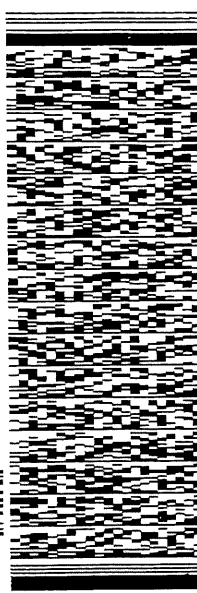
200-76392 Chain of Custody



Test

[illegible]

ORIGIN ID: BTVA (516) 729-3293 CHRISTOPHER ZMEIER GHD SERVICES INC. 323 HERRICK AVE. NORTH HERRICK, NY 11566 UNITED STATES US	SHIP DATE: 17DEC24 ACTWGT: 10.00 LB MAN CAD: 000890364/CAFE3855
TO SAMPLE MANAGEMENT EUROFINS TESTAMERICA BURLINGTON 30 COMMUNITY DRIVE SUITE 11 SOUTH BURLINGTON VT 05403	
(802) 923-1058 REF: \$200 - 35392 RMA:	
	
FedEx Express	
TRK# 4308 1571 7941 0221	RETURNS MON - SAT PRIORITY OVERNIGHT

ORIGIN ID: BTVA (516) 729-3293 CHRISTOPHER ZMEIER GHD SERVICES INC. 323 HERRICK AVE. NORTH HERRICK, NY 11566 UNITED STATES US	SHIP DATE: 17DEC24 ACTWGT: 10.00 LB MAN CAD: 000890364/CAFE3855
TO SAMPLE MANAGEMENT EUROFINS TESTAMERICA BURLINGTON 30 COMMUNITY DRIVE SUITE 11 SOUTH BURLINGTON VT 05403	
(802) 923-1058 REF: \$200 - 35392 RMA:	
	
FedEx Express	
TRK# 4308 1571 7930 0221	RETURNS MON - SAT PRIORITY OVERNIGHT

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 200-76392-1

SDG Number: 200-76392-1

Login Number: 76392

List Source: Eurofins Burlington

List Number: 1

Creator: Reynolds, Jamie K

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2470984, 2470985
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.	N/A	
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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 200-76392-1

SDG Number: 200-76392-1

Login Number: 76392

List Number: 2

Creator: Vitente, Precy

List Source: Eurofins Calscience

List Creation: 01/07/25 11:12 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	False	Thermal preservation not required.
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?	N/A	Received project as a subcontract.
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment 3

Data Validation Memorandum



Data Validation Report

February 3, 2025

To	John Pentilchuk	Contact No.	716-205-1990
From	Michelle Kukta/cs/17	Email	Michelle.Kukta@ghd.com
Subject	Analytical Results and Full Validation OU-5 Annual Soil Vapor Sampling Glenn Springs Holdings, Inc. Hooker Chemical/Ruco Polymer Superfund Site Hicksville, New York December 2024	Project No.	11224973

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a validation of analytical results for soil vapor samples collected in support of the OU-5 Annual Soil Vapor Sampling at the Hicksville, New York site during December 2024. Samples were submitted to Eurofins Burlington laboratory located in South Burlington, Vermont and Eurofins Calscience laboratory located in Tustin, California. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody form, calibration data, blank data, and recovery data from laboratory control samples (LCS). The assessment of analytical and in-house data included checks for data consistency (by observing comparability of duplicate analyses), adherence to accuracy and precision criteria, and transmittal errors.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the document entitled, "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA), 540-R-20-005, November 2020.

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were analyzed within the required holding times.

All sample canisters were received at the laboratory in good condition and within acceptable canister pressure range of -1 inch of mercury (Hg) to -10 inches of Hg, indicating samples were still under vacuum upon receipt.

3. Gas Chromatography/Mass Spectrometer (GC/MS) – Tuning and Mass Calibration - Instrument Performance Check

Prior to volatile organic compounds (VOCs) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the method requires the analysis of the specific tuning compound bromofluorobenzene (BFB). The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compound must then be repeated every 24 hours throughout sample analysis to ensure the continued optimization of the instrument.

The tuning compound was analyzed at the required frequency throughout VOC analysis periods. All tuning criteria were met indicating that proper optimization of the instrumentation was achieved.

4. Initial Calibration

4.1 GC/MS

To quantify VOCs of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

- i) All relative response factors (RRFs) must meet the criteria outlined in the analytical method
- ii) The percent relative standard deviation (%RSD) values must not exceed 30.0 percent

The initial calibration data for VOCs were reviewed. Most compounds met the criteria for sensitivity and linearity. Naphthalene exceeded %RSD in one initial calibration and the associated sample results were qualified as estimated (see Table 4).

4.2 GC

In order to quantify helium by GC, calibration of the gas chromatograph over a specific concentration range must be performed. Initially, a calibration curve consisting of a minimum of five concentration levels is analyzed for all single component compounds of interest. Linearity of the calibration curve is acceptable if %RSD values are less than or equal to 20.0 percent.

Retention time windows are also calculated from the initial calibration analyses. These windows are then used to identify the compound of interest in subsequent analyses.

The initial calibration data for helium were reviewed. All retention time, peak resolution, and linearity criteria were satisfied as specified in the method.

5. Continuing Calibration - Organic Analyses

5.1 GC/MS

To ensure that instrument calibration for VOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 24 hours. Stability of the calibration curve and instrument sensitivity are evaluated against the following criteria:

- i) All RRF values must meet the criteria outlined in the analytical method
- ii) Percent difference (%D) values must not exceed 30.0 percent

Calibration standards were analyzed at the required frequency, and all results met the above method criteria for instrument sensitivity and stability.

5.2 GC

To ensure that the calibration of the instrument for helium by GC is valid throughout the sample analysis period, continuing calibration standards are analyzed and evaluated on a regular basis. To evaluate the continued linearity of the calibration, %D values are calculated for the compound. As specified in the method, all %D values should not exceed 20.0 percent. To ensure that compound retention times do not vary over the analysis period, all retention times for continuing calibration compounds must fall within the established retention time windows.

The continuing calibration standards were analyzed at the required frequency. All %D values and compound retention times met the above criteria indicating acceptable instrument calibration throughout the analysis period.

6. Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

7. Internal Standards (IS) Analyses

IS data were evaluated for all VOC sample analyses.

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, IS compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the IS responses.

The sample IS results were evaluated against the following criteria:

- i) The retention time of the IS must not vary more than ± 33 seconds from the associated calibration standard.
- ii) IS area counts must not vary by more than ± 40 percent from the associated calibration standard.

All organic IS recoveries and retention times met the above criteria.

8. Laboratory Control Sample Analyses

LCS or LCS/laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS or LCS/LCSD were analyzed at a minimum frequency of one per analytical batch.

The LCS and LCS/LCSD contained all compounds of interest. All LCS recoveries and RPDs, where applicable, were within the laboratory control limits demonstrating acceptable analytical accuracy and precision.

9. Field QA/QC Samples

Field QA/QC samples were not submitted for this event.

10. Analyte Reporting

The laboratory reported detected results down to the sample-specific method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were qualified as estimated (J) in Table 2. Non-detect results were presented as non-detect at the RL in Table 2.

11. Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra were evaluated according to the identification criteria established by the method. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

12. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

Regards,



Michelle Kukta
Data Management Team Leader - Chemistry and Data Validation

Table 1

Sample Collection and Analysis Summary
OU-5 Annual Soil Vapor Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
December 2024

Sample Delivery Group	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	<u>Parameters</u>	
						VOCs	Helium
200763921	SV122024KT001	VP-46	Soil Vapor	12/20/2024	09:03	X	X
	SV122024KT002	SSD-LEG-1	Soil Vapor	12/20/2024	08:55	X	
	SV122024KT003	SSD-LEG-2	Soil Vapor	12/20/2024	08:55	X	
	SV122024KT004	SSD-LEG-3	Soil Vapor	12/20/2024	08:51	X	
	SV122024KT005	SSD-LEG-4	Soil Vapor	12/20/2024	08:54	X	
	SV122024KT006	SSD-LEG-5	Soil Vapor	12/20/2024	08:53	X	
	SV122024KT007	SSD-LEG-6	Soil Vapor	12/20/2024	08:50	X	

Notes:

VOCs - Volatile Organic Compounds

Table 2

Analytical Results Summary
OU-5 Annual Soil Vapor Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
December 2024

Location ID:	SSD-LEG-1	SSD-LEG-2	SSD-LEG-3	SSD-LEG-4	SSD-LEG-5	SSD-LEG-6	VP-46
Sample Name:	SV122024KT002	SV122024KT003	SV122024KT004	SV122024KT005	SV122024KT006	SV122024KT007	SV122024KT001
Sample Date:	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024

Parameters	Unit							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/m3	1.1 U	0.68 J	3.6	0.34 J	0.47 J	1.5	1.3
1,1,2,2-Tetrachloroethane	µg/m3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.15 J
1,1-Dichloroethene	µg/m3	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2,4-Trichlorobenzene	µg/m3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m3	0.45 J	0.98 U	0.98 U	4.3	0.97 J	0.62 J	0.98 U
1,2-Dibromoethane (Ethylene dibromide)	µg/m3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	µg/m3	0.98 U	0.98 U	0.98 U	1.1	0.98 U	0.98 U	0.98 U
1,3-Butadiene	µg/m3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m3	18 U	0.60 J	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m3	1.2	1.1	0.51 J	1.9	1.2	0.96	0.93 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m3	1.5 U	1.5 U	2.4	8.1	1.5 U	2.3	1.5 U
2-Chlorotoluene	µg/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	µg/m3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.78 J	2.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Ethyl toluene	µg/m3	0.98 U	0.98 U	0.98 U	1.1	0.98 U	0.98 U	0.98 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m3	2.0 U	2.0 U	2.0 U	0.90 J	2.0 U	2.0 U	2.0 U
Acetone	µg/m3	6.4 J	4.7 J	16	31	8.1 J	15	12 U
Allyl chloride	µg/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	µg/m3	2.1	2.7	54	34	7.8	1.7	0.64 U
Benzyl chloride	µg/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane (Methyl bromide)	µg/m3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U

Table 2

Analytical Results Summary
OU-5 Annual Soil Vapor Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
December 2024

Location ID:	SSD-LEG-1	SSD-LEG-2	SSD-LEG-3	SSD-LEG-4	SSD-LEG-5	SSD-LEG-6	VP-46
Sample Name:	SV122024KT002	SV122024KT003	SV122024KT004	SV122024KT005	SV122024KT006	SV122024KT007	SV122024KT001
Sample Date:	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024

Parameters**Unit****Volatile Organic Compounds**

Butane	µg/m3	2.2	0.50 J	0.97 J	0.84 J	2.1	2.1	1.2 U
Carbon disulfide	µg/m3	1.6 U	1.6 U	1.6 U	17	1.6 U	0.48 J	1.6 U
Carbon tetrachloride	µg/m3	0.34	0.32	0.30	0.37	0.38	0.37	3.3
Chlorobenzene	µg/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	µg/m3	1.0 J	0.90 J	0.97 J	0.91 J	1.0 J	1.2 J	0.52 J
Chloroethane	µg/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform (Trichloromethane)	µg/m3	0.98 U	0.25 J	0.50 J	0.98 U	1.8	2.2	0.51 J
Chloromethane (Methyl chloride)	µg/m3	1.2	1.1	0.91 J	3.8	0.77 J	0.67 J	1.0 U
cis-1,2-Dichloroethene	µg/m3	0.20 U	0.27	0.20 U	0.20 U	0.20 U	0.20 U	0.19 J
cis-1,3-Dichloropropene	µg/m3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m3	0.68 J	0.58 J	0.27 J	0.36 J	0.55 J	0.69	0.69 U
Cymene (p-Isopropyltoluene)	µg/m3	1.1 U	1.1 U	1.1 U	0.66 J	1.1 U	1.1 U	1.1 U
Dibromochloromethane	µg/m3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane (CFC-12)	µg/m3	2.2 J	2.4 J	2.3 J	2.3 J	2.1 J	2.2 J	2.0 J
Ethanol	µg/m3	7.6 J	9.4 U	10	17	7.6 J	14	9.4 U
Ethylbenzene	µg/m3	1.0	0.90	0.61 J	2.3	1.3	0.82 J	0.87 U
Hexachlorobutadiene	µg/m3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane	µg/m3	2.1	1.6 J	0.80 J	0.81 J	2.0	1.9	1.8 U
Isopropyl alcohol	µg/m3	12 U	12 U	6.9 J	3.9 J	12 U	6.9 J	12 U
Isopropyl benzene	µg/m3	0.98 U	0.98 U	0.28 J	3.3	1.8	0.98 U	0.98 U
m&p-Xylenes	µg/m3	3.6	2.9	1.1 J	8.1	4.5	2.7	2.2 U
Methyl methacrylate	µg/m3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert butyl ether (MTBE)	µg/m3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene chloride	µg/m3	0.65 J	1.7 U	1.7 U	1.7 U	1.7 U	0.97 J	1.7 U
N-Butylbenzene	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
N-Heptane	µg/m3	1.7	1.7	1.1	1.2	2.1	2.0	0.82 U
N-Propylbenzene	µg/m3	0.98 U	0.98 U	0.98 U	0.76 J	0.98 U	0.98 U	0.98 U
Naphthalene	µg/m3	2.6 UJ	2.6 UJ	2.6 U	2.6 U	2.6 UJ	2.6 UJ	2.6 UJ
o-Xylene	µg/m3	1.1	0.82 J	0.36 J	3.4	1.4	0.91	0.87 U
Styrene	µg/m3	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
tert-Butyl alcohol	µg/m3	15 U	15 U	15 U	15 U	15 U	15 U	15 U

Table 2

Analytical Results Summary
OU-5 Annual Soil Vapor Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
December 2024

Location ID:	SSD-LEG-1	SSD-LEG-2	SSD-LEG-3	SSD-LEG-4	SSD-LEG-5	SSD-LEG-6	VP-46
Sample Name:	SV122024KT002	SV122024KT003	SV122024KT004	SV122024KT005	SV122024KT006	SV122024KT007	SV122024KT001
Sample Date:	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024	12/20/2024

Parameters	Unit							
Volatile Organic Compounds								
tert-Butylbenzene	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tetrachloroethene	µg/m3	1.4 U	170	700	460	170	180	310
Tetrahydrofuran	µg/m3	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Toluene	µg/m3	9.0	9.5	9.2	8.0	12	9.2	0.75 U
trans-1,2-Dichloroethene	µg/m3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.49 J
trans-1,3-Dichloropropene	µg/m3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m3	0.20 U	5.3	3.0	1.3	2.0	2.2	1.5
Trichlorofluoromethane (CFC-11)	µg/m3	1.0 J	1.1	1.6	1.5	1.1	1.1	0.94 J
Trifluorotrichloroethane (CFC-113)	µg/m3	1.5 U	0.43 J	0.50 J	0.57 J	0.54 J	0.63 J	0.43 J
Vinyl bromide (Bromoethene)	µg/m3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	µg/m3	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Helium	%v/v	--	--	--	--	--	--	0.41

Notes:

U - Not detected at the associated reporting limit

J - Estimated concentration

UJ - Not detected; associated reporting limit is estimated

"--" - Not applicable

Table 3

Analytical Methods
OU-5 Annual Soil Vapor Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
December 2024

Parameter	Method	Matrix	Holding Time
			Collection to Analysis (Days)
Volatile Organic Compounds (VOCs)	TO-15	Soil Vapor	30
Fixed Gases in Air - Helium	ASTM D1946	Soil Vapor	30

Method References:

EPA Method TO-15	- "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999
ASTM	- Annual Book of ASTM Standards, American Society for Testing Materials, Section 5 and Section 11

Table 4

Qualified Sample Results Due to Outlying Initial Calibration Results
OU-5 Annual Soil Vapor Sampling
Glenn Springs Holdings, Inc.
Hooker Chemical/Ruco Polymer Superfund Site
Hicksville, New York
December 2024

Parameter	Analyte	Calibration Date (mm/dd/yyyy)	RRF	% RSD	Associated Sample ID	Qualified Result	Units
VOC	Naphthalene	12/18/2024	--	33.7	SV122024KT001	2.6 UJ	µg/m3
					SV122024KT002	2.6 UJ	µg/m3
					SV122024KT003	2.6 UJ	µg/m3
					SV122024KT006	2.6 UJ	µg/m3
					SV122024KT007	2.6 UJ	µg/m3

Notes:

- - Not applicable
- RRF - Relative Response Factor
- %RSD - Percent Relative Standard Deviation
- UJ - Not detected; associated reporting limit is estimated
- VOC - Volatile Organic Compound