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December 11, 2024

File: 191711695

Mr. Hasan R. Ahmed
Environmental Engineer
Division of Environmental Remediation – Region 2
New York State Department of Environmental Conservation
Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5401

**RE: 2023 Annual Operation, Maintenance, and Monitoring of Sub-Slab Depressurization Systems (Revision 1), Former Johnny on the Spot Cleaners, 152-153 10th Avenue, Whitestone, NY
NYSDEC BCP Site #C241125**

Dear Mr. Ahmed:

Stantec Consulting Services Inc. (Stantec), on behalf of Feil Whitestone LLC (Feil), is pleased to submit this report on the 2023 operation, maintenance, and monitoring (OM&M) inspections of the sub-slab depressurization systems (SSDSs) at the former Johnny on the Spot Cleaners and former Sterling Nation Bank lease units (i.e., the "subject lease units" or "subject units") located at 152-153 10th Avenue, in Whitestone, Queens County, New York (the "Site", see location on Figure 1). This work was conducted in accordance with the March 27, 2023, New York State Department of Environmental Conservation (NYSDEC or the Department) and New York State Department of Health (NYSDOH) approval of Stantec's Interim Remedial Measures Construction Completion Report (IRM-CCR) dated August 12, 2022.

BACKGROUND

The Site is located in the southwestern corner of a retail strip mall known as Whitestone Plaza (see Figure 2A). The IRM was completed from May 2018 to July 2022 in general accordance with Stantec's Interim Remedial Measures Design and Installation of Sub-Slab Mitigation System (i.e. the IRM Work Plan or IRMWP), dated November 30, 2018. The IRMWP was approved by the NYSDEC in a letter dated December 3, 2018. The IRM was also conducted in accordance with verbal and e-mail correspondence with NYSDEC during implementation. In addition, this work was completed pursuant to a Brownfield Cleanup Agreement (BCA) for the Site between Feil and NYSDEC. The BCA was executed by the Department in January 2017. The Site is designated by the Department as Brownfield Cleanup Program (BCP) Site #C241125 and the project is being managed for NYSDEC by the Region 2 office in Long Island City.



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The IRM-CCR described remedial activities conducted within the subject units. These activities included excavating soils impacted with chlorinated volatile organic compounds (CVOCs) and installing a SSDS in the former cleaner's unit that consisted of several lengths, or segments, of 3-inch diameter perforated polyvinylchloride (PVC) piping installed horizontally under the existing sub-slab floor and connected to solid PVC pipes located on the outside wall. Two radon fans are connected to the two solid riser pipes on the outside wall, which extend above the roof line as discharge vents or stacks. These two radon fans/systems are identified as System A and System B. Portions of the horizontal piping, identified as segments A1, B1, and C1, were installed in June 2018 due to the former cleaner's unit undergoing renovations into a travel agency. The remaining portions of the horizontal sub-slab piping were installed in January 2019. A depiction of these SSDSs is presented in Figure 3. There are six sub-slab soil gas (SSSG) vapor monitoring probes associated with the SSDS in the former dry cleaner. These are shown on Figure 3 as VMP-2R to VMP-7. Due to the renovations, one probe (VMP-1) was destroyed, and three probes (VMP-2, VMP-3, and VMP-4) were covered up with new flooring and so they were replaced by VMP-2R, VMP-3R, and VMP-4R.

The SSDS installed in the former Sterling National Bank (Bank) was installed in January 2019 and consisted of a 3-inch diameter PVC perforated pipe installed vertically in a suction pit connected to a solid PVC pipe. The solid PVC pipe extended vertically through the ceiling and the roof and was connected to a third radon fan located on the roof. This radon fan/system is identified as System C. There are seven SSSG probes associated with the SSDS in the former Bank. These are identified as SG-4, SG-6, SG-6A, and SG-9 to SG-12 (see Figure 4A).

In mid-March 2022, Stantec was notified by Feil that the former Bank was being renovated by a new tenant into a Stars Rehabilitation Center (Rehab Center) operated by Northwell Health (Northwell), and that the solid PVC piping for the SSDS in the former Bank (identified as System C) would be located in the middle of a hallway in the new Rehab Center. Stantec subsequently worked with Feil and Northwell to relocate System C to an unobtrusive location, approximately 4 feet to the north of the existing system. This location was selected because the solid PVC pipe would be enclosed within a new wall and no longer visible. The work was conducted by Feil's plumbing contractor (JAM Plumbing and Heating) on May 4, 2022. After running and testing the relocated System C for a few months, the solid PVC piping near the ceiling (which consisted of two 90-degree bends) was replaced with a series of angled pipes to create a smoother air flow. Final testing of the System C SSDS indicated the relocation and reconfiguration of the piping increased the efficiency of the radon fan, as measured by the differential pressure readings at the SSSG probes. A depiction of the System C SSDS and SSSG probes, along with the renovated Rehab Facility footprint, is presented in Figure 4A. Note that Figures 3 and 4A are presented herein from the IRM-CCR and that a Figure 4 from the IRM-CCR (which showed the outline or footprint of the former Bank) is not included in this report.



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As mentioned, this work was described in the IRM-CCR, submitted in August 2022. Included in the IRM-CCR was an OM&M Plan that called for monthly monitoring of the various soil gas probes and inspections of the SSDSs. The OM&M Plan also called for annual indoor air (IA) and SSSG sampling. A description of the work performed, and the results of this work, which certify the work conducted from August 2022 to February 2024, are described below.

WORK PERFORMED

Monthly Inspections

Prior to mobilizing to the Site, Stantec worked with Feil to notify the owners and/or managers of the two tenant spaces. Each month, Stantec mobilized to the Site and inspected the floors within the subject units, as well as the SSDS discharge piping, fans, and manometers. Stantec then recorded differential pressure readings (in units of inches of mercury [in-Hg]) from accessible sub-slab probes using an Infiltec DM-1 micro-manometer, which measures differential pressures from -0.2204 in-Hg to +0.1617 in-Hg with a resolution of 0.0001 in-Hg. Table 1 presents the differential pressure readings measured on a monthly basis following the submittal of the IRM-CC (i.e., from September 2022 to February 2024). Note that in the Rehab Center, two probes (SG-6 and SG-10) were covered with furniture for a number of months and were not accessible. Differential pressures were also recorded at the manometers associated with each radon fan. These data are presented in Table 2. Lastly, Stantec accessed the roof top to inspect the fans and to measure flow rates (in cubic feet per minute [CFM]) whenever possible. Many times, the roof top was not accessible for safety reasons due to inclement weather. The air flow data are presented in Table 3.

Vapor Intrusion Sampling

Stantec conducted annual vapor intrusion air sampling at the Site on March 2, 2023, and February 14, 2024. The results from the March 2023 event were not received in time to submit an Annual OM&M Report by March 31, 2023, so they are included herein.

During each event, Stantec collected indoor air (IA) samples from inside the former dry cleaner/Travel Agency space (front renovated area and rear storage area) and the former Bank/Rehab Center (break room and gym areas). The IA samples were located at previously sampled locations and collected over 8-hours using appropriate pre-evacuated 6-liter Summa canisters. The samples collected from the former dry cleaner unit are identified as Cleaner, Cleaner 2, and Cleaner 3 on Figure 3. The locations from the Rehab Center are identified as Bank-1 and Bank-2 on Figure 4A. Although this unit has been renovated into the Rehab Center, Stantec has maintained the nomenclature (Bank-1 and Bank-2) to avoid confusion when comparing to prior IA



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results for this unit. One outside ambient air sample was also collected over 8-hours in the back parking lot, near the northwest corner of the former dry cleaner building.

Over the course of the sampling activities, periodic readings of the following parameters were recorded on Air Sample Logs:

- Cannister Pressure;
- Temperature;
- Relative Humidity; and
- Photoionization Detector (PID) readings.

Copies of the Air Sample Logs are presented in Attachment A.

During each event, sub-slab soil gas samples were collected from select probes in both units at previously sampled locations. These included VMP-2R, VMP-3R, and VMP-4R in the former dry cleaner/Travel Agency unit and SG-4, SG-6, SG-11, and SG-12 in the former Bank/Rehab Center. Each SSSG probe was leak-tested using a helium shroud technique prior to sampling. The SSSG samples were then collected over a five (5) minute duration into pre-evacuated 1-liter Summa canisters. Before and after each SSSG sample was collected, differential pressure readings were recorded at each point using a micro-manometer to measure/evaluate cross-slab pressures. Over the course of the five-minute sampling period, periodic canister pressure readings were recorded on Sub-Slab Soil Vapor Sample Collection Logs. Copies of these logs are presented in Attachment A.

A review of the readings revealed that the field conditions and sample collection procedures were acceptable and did not alter the usability of the results.

The air samples were collected, secured, and sent to Alpha Analytical laboratories in Mansfield, Massachusetts and analyzed for volatile organic compounds (VOCs) via Low Level TO-15 analysis in NYS Category B data deliverable format. A qualified third-party, independent from the laboratory performing the analysis, then conducted data validation and prepared a Data Usability Summary Report (DUSR) on the results. The laboratory report and DUSR for the March 2023 event are included in Attachments B and C, respectively. The laboratory report and DUSR for the February 2024 event are included in Attachments D and E, respectively.



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RESULTS

Monthly Inspections

Stantec's observation of the floor within the former dry cleaners (including the Travel Agency office, rear storage rooms and the mechanical room) and within the former Bank/Rehab Center indicated no holes or cracks. In addition, there were no holes or obstructions observed in the discharge piping. Observations at the rooftop indicated that there were no intakes (existing or new) near the SSDS discharge stacks.

As shown on Tables 1 and 2, the monthly differential pressure readings were variable at each location. Tables 1 and 2 also show the commissioning values at each location for comparison. Note the commissioning values for the sub-slab probes and the manometers were measured in October 2019 and February 2020, respectively, as presented in the IRM-CCR. The data indicate that the lowest readings from within the former dry cleaner space were typically measured at the two probes (VMP-3R and VMP-4R) located furthest from the horizontal piping. Differential pressure readings ranged from -0.0002 to -0.0058 in-Hg at VMP-3R and from 0.0000 to -0.0022 in-Hg at VMP-4R. Levels at VMP-6 and VMP-7, located closer to the horizontal piping, ranged from -0.0119 to -0.0849 in-Hg and from -0.0641 to -0.1274 in-Hg, respectively. At the probe located within the Travel Agency office (VMP-2R) differential pressure readings ranged from -0.0001 to -0.0564 in-Hg. The vacuums measured at the manometers for Systems A and B ranged from -0.0007 to -0.2190 in-Hg and from -0.1332 to -0.2137 in-Hg, respectively.

Similar readings were measured within the former Bank/Rehab Center, with the lowest readings typically measured in the probes located furthest from the SSDS (SG-6A, SG-9, and SG-10). Differential pressure levels at these probes ranged from 0.0000 in-Hg at SG-6A and SG-10 to -0.0014 in-Hg at SG-9. Readings at SG-4, located closest to the SSDS, ranged from -0.0820 to -0.1141 in-Hg. The vacuum measured at the manometer for System C consistently exceeded the range of the micromanometer (i.e., > -0.2207 in-Hg). It is important to note that Stantec conducted a vapor intrusion investigation inside the Bank in March 2017 and February 2018 that consisted of sub-slab soil gas and indoor air quality samples. The results of this investigation, which were presented in Stantec's Remedial Investigation Report (dated March 30, 2018), were compared to the NYSDOH Decision Matrices, and concluded "No Further Action" at the two soil gas points (SG-6 and SG-6A) located in the former Bank customer area. The results of the investigation indicated "Mitigation Required" at only the point inside the former Bank kitchen area (SG-4). The data presented herein show that the SSDS System C is creating a sufficient vacuum under the former Bank kitchen/Rehab Center break room area that also extends under the floor to the SG-6 location.



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As shown on Table 3, the measured flow rates at each of the three discharge stacks at the roof top were also variable. Flow rates ranged from 3.9 to 112.3 CFM at the System A Fan, from 4.3 to 77.0 CFM at the System B Fan, and from 2.2 to 56.0 CFM at the System C Fan. The variability in the measurements is likely due to weather effects such as temperature, wind-speed, and barometric pressure.

Vapor Intrusion Sampling

March 2023

Results of the IA samples from March 2, 2023, are incorporated into the historical database presented on Table 4. As shown, levels of tetrachloroethylene (PCE) in the former dry cleaner unit were 0.43 J micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in the lower storage area (Cleaner) and 0.19 J $\mu\text{g}/\text{m}^3$ and non-detect (1.4 U $\mu\text{g}/\text{m}^3$) in the upper renovated space (Cleaner 2 and Cleaner 3, respectively). Note that the "J" indicates an estimated value. Trichloroethylene (TCE) was not detected at the laboratory reporting limit of 0.19 $\mu\text{g}/\text{m}^3$ in any of the three IA samples in the former dry cleaner.

Levels of PCE in the IA samples from the Rehab Center were reported at 0.21 J $\mu\text{g}/\text{m}^3$ in the gym area (Bank 1) and 0.31 J $\mu\text{g}/\text{m}^3$ in the break room (Bank 2). TCE was also reported as non-detect (U) at the reporting limit of 0.19 $\mu\text{g}/\text{m}^3$ in both the Bank 1 and Bank 2 samples.

Results of the SSSG samples from March 2, 2023, are incorporated into the historical database as presented on Table 5. As shown, levels of PCE in the former dry cleaner unit were 59 $\mu\text{g}/\text{m}^3$ in VMP-2R, 25 $\mu\text{g}/\text{m}^3$ in VMP-3R, and 150 $\mu\text{g}/\text{m}^3$ in VMP-4R. TCE concentrations were 7.2 $\mu\text{g}/\text{m}^3$ in VMP-2R, non-detect (U) at the reporting limit of 1.9 U $\mu\text{g}/\text{m}^3$ in VMP-3R, and 1.6 J $\mu\text{g}/\text{m}^3$ in VMP-4R. Note that this event represents the third time these three probes have been sampled.

PCE concentrations in the probes in the Rehab Center were not detected (U) at the reporting limit of 14 $\mu\text{g}/\text{m}^3$ in SG-4 and SG-12, 4.2 J $\mu\text{g}/\text{m}^3$ in SG-6, and 12 J $\mu\text{g}/\text{m}^3$ in SG-11. TCE was not detected (U) at the reporting limit of 1.9 $\mu\text{g}/\text{m}^3$ in all four of the probes.

February 2024

Results of the IA samples from February 14, 2024, are incorporated into the historical database as presented on Table 4. As shown, levels of PCE were reported as non-detect (U) at the reporting limit of 0.136 $\mu\text{g}/\text{m}^3$ in each of the three IA samples (Cleaner, Cleaner 2, and Cleaner 3). TCE was also not detected (U) at the laboratory reporting limit of 0.107 $\mu\text{g}/\text{m}^3$ in any of the three IA samples in the former dry cleaner unit.



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Levels of PCE in the IA samples from the Rehab Center were reported as non-detect (U) at the reporting limit of $0.136 \mu\text{g}/\text{m}^3$ in the gym area (Bank 1) and $0.136 \mu\text{g}/\text{m}^3$ in the break room (Bank 2). TCE was reported as non-detect (U) at the reporting limit of $0.107 \mu\text{g}/\text{m}^3$ in both the Bank 1 and Bank 2 samples.

Results of the SSSG samples from February 14, 2024, are incorporated into the historical database as presented on Table 5. As shown, levels of PCE in the former dry cleaner unit were $5.93 \mu\text{g}/\text{m}^3$ in VMP-2R, $50.7 \mu\text{g}/\text{m}^3$ in VMP-3R, and $111 \mu\text{g}/\text{m}^3$ in VMP-4R. TCE concentrations were non-detect (U) at the reporting limit of $1.07 \mu\text{g}/\text{m}^3$ at VMP-2R and VMP-3R, and $1.15 \mu\text{g}/\text{m}^3$ in VMP-4R.

PCE concentrations in the probes in the Rehab Center were $6.04 \mu\text{g}/\text{m}^3$ in SG-4, $33.6 \mu\text{g}/\text{m}^3$ in SG-6, $1.44 \mu\text{g}/\text{m}^3$ in SG-11, and non-detect (U) at the reporting limit of $1.36 \mu\text{g}/\text{m}^3$ at SG-12. TCE was not detected at any of the four probes at the laboratory reporting limit (1.07 or $5.37 \mu\text{g}/\text{m}^3$).

SUMMARY

The overall results indicate that PCE remains in the sub-slab soil gas beneath the former dry cleaner/Travel Agency and former Bank/Rehab Center. PCE concentrations in the sub-slab samples over the past two years ranged from $5.93 \mu\text{g}/\text{m}^3$ at VMP-2R to $150 \mu\text{g}/\text{m}^3$ at VMP-4R, and from non-detect (U) at the reporting limit of $1.36 \mu\text{g}/\text{m}^3$ at SG-12, to $33.6 \mu\text{g}/\text{m}^3$ at SG-6. PCE concentrations at VMP-4R are showing a decreasing trend over the past three years from $380 \mu\text{g}/\text{m}^3$ to $150 \mu\text{g}/\text{m}^3$ to $111 \mu\text{g}/\text{m}^3$.

Levels of PCE in the indoor air samples from both lease units consistently range from non-detect to $< 0.75 \mu\text{g}/\text{m}^3$.

The monthly inspection data indicate that the SSDs continue to create a vacuum under the floor of the former dry cleaner unit and under a large portion of the floor of the Rehab Center, even under those areas where "No Further Action" is warranted (i.e., at SG-6). Based on these results, Stantec concludes that the SSDs in both building units (System A and B in the former dry cleaner/Travel Agency and System C in the former Bank/Rehab Center) are operating as intended and installed.



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Mr. Hasan Ahmed
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We trust that this information meets your needs.

Sincerely

STANTEC CONSULTING SERVICES INC.

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Attachments
Tables 1 - 5
Figures 1 – 4A
Attachments A - E

Cc: Pete O'Connor, Feil Whitestone LLC

CERTIFICATION

I, Alexander J. DeNadai, certify that I am a qualified professional engineer in the State of New York as defined in 6 NYCRR Part 375 and that this 2023 Annual Operation, Maintenance, and Monitoring of Sub-Slab Depressurization Systems was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Signature

12/11/2024

Date



TABLES

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
Renovated Travel Agency Office (former Dry Cleaner front/upper)	VMP-2R	Jan 2019	8/30/2022	-0.0319	-0.0541
	VMP-2R	Jan 2019	9/29/2022	-0.0319	-0.0439
	VMP-2R	Jan 2019	10/25/2022	-0.0319	-0.0394
	VMP-2R	Jan 2019	11/29/2022	-0.0319	-0.0370
	VMP-2R	Jan 2019	12/29/2022	-0.0319	-0.0005
	VMP-2R	Jan 2019	1/27/2023	-0.0319	-0.0001
	VMP-2R	Jan 2019	2/24/2023	-0.0319	-0.0004
	VMP-2R	Jan 2019	3/31/2023	-0.0319	-0.0337
	VMP-2R	Jan 2019	4/28/2023	-0.0319	-0.0376
	VMP-2R	Jan 2019	5/25/2023	-0.0319	-0.0480
	VMP-2R	Jan 2019	6/29/2023	-0.0319	-0.0378
	VMP-2R	Jan 2019	7/28/2023	-0.0319	-0.0342
	VMP-2R	Jan 2019	8/31/2023	-0.0319	-0.0472
	VMP-2R	Jan 2019	9/27/2023	-0.0319	-0.0353
	VMP-2R	Jan 2019	10/31/2023	-0.0319	-0.0564
	VMP-2R	Jan 2019	11/21/2023	-0.0319	-0.0453
	VMP-2R	Jan 2019	12/29/2023	-0.0319	NM
	VMP-2R	Jan 2019	1/26/2024	-0.0319	-0.0278
	VMP-2R	Jan 2019	2/29/2024	-0.0319	-0.0466
Machine Room	VMP-3R	Jan 2019	8/30/2022	-0.0004	-0.0010
	VMP-3R	Jan 2019	9/29/2022	-0.0004	-0.0002
	VMP-3R	Jan 2019	10/25/2022	-0.0004	-0.0004
	VMP-3R	Jan 2019	11/29/2022	-0.0004	-0.0003
	VMP-3R	Jan 2019	12/29/2022	-0.0004	-0.0004
	VMP-3R	Jan 2019	1/27/2023	-0.0004	-0.0005
	VMP-3R	Jan 2019	2/24/2023	-0.0004	-0.0004
	VMP-3R	Jan 2019	3/31/2023	-0.0004	-0.0058
	VMP-3R	Jan 2019	4/28/2023	-0.0004	-0.0003
	VMP-3R	Jan 2019	5/25/2023	-0.0004	-0.0004
	VMP-3R	Jan 2019	6/29/2023	-0.0004	-0.0011
	VMP-3R	Jan 2019	7/28/2023	-0.0004	-0.0012
	VMP-3R	Jan 2019	8/31/2023	-0.0004	-0.0007
	VMP-3R	Jan 2019	9/27/2023	-0.0004	-0.0013
	VMP-3R	Jan 2019	10/31/2023	-0.0004	-0.0006
	VMP-3R	Jan 2019	11/21/2023	-0.0004	-0.0007
	VMP-3R	Jan 2019	12/29/2023	-0.0004	-0.0010
	VMP-3R	Jan 2019	1/26/2024	-0.0004	-0.0007
	VMP-3R	Jan 2019	2/29/2024	-0.0004	-0.0003

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
Machine Room	VMP-4R	Jan 2019	8/30/2022	-0.0007	-0.0011
	VMP-4R	Jan 2019	9/29/2022	-0.0007	-0.0007
	VMP-4R	Jan 2019	10/25/2022	-0.0007	-0.0006
	VMP-4R	Jan 2019	11/29/2022	-0.0007	-0.0004
	VMP-4R	Jan 2019	12/29/2022	-0.0007	0.0000
	VMP-4R	Jan 2019	1/27/2023	-0.0007	0.0000
	VMP-4R	Jan 2019	2/24/2023	-0.0007	0.0000
	VMP-4R	Jan 2019	3/31/2023	-0.0007	-0.0005
	VMP-4R	Jan 2019	4/28/2023	-0.0007	-0.0007
	VMP-4R	Jan 2019	5/25/2023	-0.0007	-0.0006
	VMP-4R	Jan 2019	6/29/2023	-0.0007	-0.0004
	VMP-4R	Jan 2019	7/28/2023	-0.0007	-0.0006
	VMP-4R	Jan 2019	8/31/2023	-0.0007	-0.0008
	VMP-4R	Jan 2019	9/27/2023	-0.0007	-0.0006
	VMP-4R	Jan 2019	10/31/2023	-0.0007	-0.0007
	VMP-4R	Jan 2019	11/21/2023	-0.0007	-0.0005
	VMP-4R	Jan 2019	12/29/2023	-0.0007	-0.0005
	VMP-4R	Jan 2019	1/26/2024	-0.0007	-0.0007
	VMP-4R	Jan 2019	2/29/2024	-0.0007	-0.0022
Storage Room #3 (former Dry Cleaner rear/lower)	VMP-5	Feb 2015	8/30/2022	-0.0012	-0.0027
	VMP-5	Feb 2015	9/29/2022	-0.0012	-0.0020
	VMP-5	Feb 2015	10/25/2022	-0.0012	-0.0021
	VMP-5	Feb 2015	11/29/2022	-0.0012	-0.0015
	VMP-5	Feb 2015	12/29/2022	-0.0012	-0.0019
	VMP-5	Feb 2015	1/27/2023	-0.0012	-0.0019
	VMP-5	Feb 2015	2/24/2023	-0.0012	-0.0017
	VMP-5	Feb 2015	3/31/2023	-0.0012	-0.0018
	VMP-5	Feb 2015	4/28/2023	-0.0012	-0.0018
	VMP-5	Feb 2015	5/25/2023	-0.0012	-0.0018
	VMP-5	Feb 2015	6/29/2023	-0.0012	-0.0020
	VMP-5	Feb 2015	7/28/2023	-0.0012	-0.0019
	VMP-5	Feb 2015	8/31/2023	-0.0012	-0.0020
	VMP-5	Feb 2015	9/27/2023	-0.0012	-0.0018
	VMP-5	Feb 2015	10/31/2023	-0.0012	-0.0078
	VMP-5	Feb 2015	11/21/2023	-0.0012	-0.0017
	VMP-5	Feb 2015	12/29/2023	-0.0012	-0.0015
	VMP-5	Feb 2015	1/26/2024	-0.0012	-0.0022
	VMP-5	Feb 2015	2/29/2024	-0.0012	-0.0018

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
Storage Room #3	VMP-6	Feb 2015	8/30/2022	-0.0802	-0.0772
(former Dry Cleaner rear/lower)	VMP-6	Feb 2015	9/29/2022	-0.0802	-0.0119
	VMP-6	Feb 2015	10/25/2022	-0.0802	-0.0582
	VMP-6	Feb 2015	11/29/2022	-0.0802	-0.0559
	VMP-6	Feb 2015	12/29/2022	-0.0802	-0.0439
	VMP-6	Feb 2015	1/27/2023	-0.0802	-0.0589
	VMP-6	Feb 2015	2/24/2023	-0.0802	-0.0574
	VMP-6	Feb 2015	3/31/2023	-0.0802	-0.0547
	VMP-6	Feb 2015	4/28/2023	-0.0802	-0.0694
	VMP-6	Feb 2015	5/25/2023	-0.0802	-0.0711
	VMP-6	Feb 2015	6/29/2023	-0.0802	-0.0768
	VMP-6	Feb 2015	7/28/2023	-0.0802	-0.0833
	VMP-6	Feb 2015	8/31/2023	-0.0802	-0.0849
	VMP-6	Feb 2015	9/27/2023	-0.0802	-0.0831
	VMP-6	Feb 2015	10/31/2023	-0.0802	-0.0763
	VMP-6	Feb 2015	11/21/2023	-0.0802	-0.0809
	VMP-6	Feb 2015	12/29/2023	-0.0802	-0.0622
	VMP-6	Feb 2015	1/26/2024	-0.0802	-0.0805
	VMP-6	Feb 2015	2/29/2024	-0.0802	-0.0490
Storage Room #2	VMP-7	Feb 2015	8/30/2022	-0.0902	-0.1274
(former Dry Cleaner rear/lower)	VMP-7	Feb 2015	9/29/2022	-0.0902	-0.0939
	VMP-7	Feb 2015	10/25/2022	-0.0902	-0.0883
	VMP-7	Feb 2015	11/29/2022	-0.0902	-0.0718
	VMP-7	Feb 2015	12/29/2022	-0.0902	-0.0648
	VMP-7	Feb 2015	1/27/2023	-0.0902	NM
	VMP-7	Feb 2015	2/24/2023	-0.0902	-0.0782
	VMP-7	Feb 2015	3/31/2023	-0.0902	-0.0757
	VMP-7	Feb 2015	4/28/2023	-0.0902	-0.0845
	VMP-7	Feb 2015	5/25/2023	-0.0902	-0.0872
	VMP-7	Feb 2015	6/29/2023	-0.0902	-0.0641
	VMP-7	Feb 2015	7/28/2023	-0.0902	-0.0954
	VMP-7	Feb 2015	8/31/2023	-0.0902	-0.0834
	VMP-7	Feb 2015	9/27/2023	-0.0902	-0.0829
	VMP-7	Feb 2015	10/31/2023	-0.0902	-0.0988
	VMP-7	Feb 2015	11/21/2023	-0.0902	-0.0946
	VMP-7	Feb 2015	12/29/2023	-0.0902	NM
	VMP-7	Feb 2015	1/26/2024	-0.0902	-0.0858
	VMP-7	Feb 2015	2/29/2024	-0.0902	-0.0795

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
fmr Sterling Bank Kitchen	SG-4 ¹	Apr 2022	8/30/2022	-0.0089	-0.1141
	SG-4 ¹	Apr 2022	9/29/2022	-0.0089	NM
	SG-4 ¹	Apr 2022	10/25/2022	-0.0089	-0.0820
	SG-4 ¹	Apr 2022	11/29/2022	-0.0089	-0.0878
	SG-4 ¹	Apr 2022	12/29/2022	-0.0089	-0.0889
	SG-4 ¹	Apr 2022	1/27/2023	-0.0089	-0.0962
	SG-4 ¹	Apr 2022	2/24/2023	-0.0089	-0.0938
	SG-4 ¹	Apr 2022	3/31/2023	-0.0089	-0.0936
	SG-4 ¹	Apr 2022	4/28/2023	-0.0089	-0.0950
	SG-4 ¹	Apr 2022	5/25/2023	-0.0089	-0.0936
	SG-4 ¹	Apr 2022	6/29/2023	-0.0089	-0.0926
	SG-4 ¹	Apr 2022	7/28/2023	-0.0089	-0.0919
	SG-4 ¹	Apr 2022	8/31/2023	-0.0089	-0.0937
	SG-4 ¹	Apr 2022	9/27/2023	-0.0089	-0.0925
	SG-4 ¹	Apr 2022	10/31/2023	-0.0089	-0.0940
	SG-4 ¹	Apr 2022	11/21/2023	-0.0089	-0.0928
	SG-4 ¹	Apr 2022	12/29/2023	-0.0089	-0.0884
	SG-4 ¹	Apr 2022	1/26/2024	-0.0089	-0.0912
	SG-4 ¹	Apr 2022	2/29/2024	-0.0089	-0.0894
fmr Sterling Bank Lobby/Customer Area	SG-6	Mar 2017	8/30/2022	-0.0068	NM
	SG-6	Mar 2017	9/29/2022	-0.0068	NM
	SG-6	Mar 2017	10/25/2022	-0.0068	NM
	SG-6	Mar 2017	11/29/2022	-0.0068	NM
	SG-6	Mar 2017	12/29/2022	-0.0068	-0.0004
	SG-6	Mar 2017	1/27/2023	-0.0068	-0.0013
	SG-6	Mar 2017	2/24/2023	-0.0068	-0.0007
	SG-6	Mar 2017	3/31/2023	-0.0068	-0.0172
	SG-6	Mar 2017	4/28/2023	-0.0068	-0.0187
	SG-6	Mar 2017	5/25/2023	-0.0068	-0.0187
	SG-6	Mar 2017	6/29/2023	-0.0068	-0.0188
	SG-6	Mar 2017	7/28/2023	-0.0068	-0.0193
	SG-6	Mar 2017	8/31/2023	-0.0068	-0.0197
	SG-6	Mar 2017	9/27/2023	-0.0068	-0.0192
	SG-6	Mar 2017	10/31/2023	-0.0068	-0.0196
	SG-6	Mar 2017	11/21/2023	-0.0068	-0.0198
	SG-6	Mar 2017	12/29/2023	-0.0068	-0.0182
	SG-6	Mar 2017	1/26/2024	-0.0068	-0.0182
	SG-6	Mar 2017	2/29/2024	-0.0068	-0.0173

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
fmr Sterling Bank Lobby/Customer Area	SG-6A	Mar 2017	8/30/2022	-0.0001	-0.0001
	SG-6A	Mar 2017	9/29/2022	-0.0001	-0.0001
	SG-6A	Mar 2017	10/25/2022	-0.0001	0.0000
	SG-6A	Mar 2017	11/29/2022	-0.0001	-0.0001
	SG-6A	Mar 2017	12/29/2022	-0.0001	-0.0001
	SG-6A	Mar 2017	1/27/2023	-0.0001	-0.0006
	SG-6A	Mar 2017	2/24/2023	-0.0001	-0.0002
	SG-6A	Mar 2017	3/31/2023	-0.0001	-0.0001
	SG-6A	Mar 2017	4/28/2023	-0.0001	-0.0001
	SG-6A	Mar 2017	5/25/2023	-0.0001	-0.0006
	SG-6A	Mar 2017	6/29/2023	-0.0001	-0.0002
	SG-6A	Mar 2017	7/28/2023	-0.0001	0.0000
	SG-6A	Mar 2017	8/31/2023	-0.0001	0.0000
	SG-6A	Mar 2017	9/27/2023	-0.0001	0.0000
	SG-6A	Mar 2017	10/31/2023	-0.0001	-0.0001
	SG-6A	Mar 2017	11/21/2023	-0.0001	-0.0001
	SG-6A	Mar 2017	12/29/2023	-0.0001	-0.0001
	SG-6A	Mar 2017	1/26/2024	-0.0001	-0.0002
	SG-6A	Mar 2017	2/29/2024	-0.0001	-0.0001
fmr Sterling Bank/Vestibule area	SG-9	Oct 2019	8/30/2022	-0.0007	-0.0003
	SG-9	Oct 2019	9/29/2022	-0.0007	-0.0013
	SG-9	Oct 2019	10/25/2022	-0.0007	-0.0005
	SG-9	Oct 2019	11/29/2022	-0.0007	-0.0008
	SG-9	Oct 2019	12/29/2022	-0.0007	-0.0002
	SG-9	Oct 2019	1/27/2023	-0.0007	-0.0002
	SG-9	Oct 2019	2/24/2023	-0.0007	-0.0002
	SG-9	Oct 2019	3/31/2023	-0.0007	-0.0001
	SG-9	Oct 2019	4/28/2023	-0.0007	-0.0004
	SG-9	Oct 2019	5/25/2023	-0.0007	-0.0011
	SG-9	Oct 2019	6/29/2023	-0.0007	-0.0014
	SG-9	Oct 2019	7/28/2023	-0.0007	-0.0008
	SG-9	Oct 2019	8/31/2023	-0.0007	-0.0011
	SG-9	Oct 2019	9/27/2023	-0.0007	-0.0007
	SG-9	Oct 2019	10/31/2023	-0.0007	-0.0001
	SG-9	Oct 2019	11/21/2023	-0.0007	-0.0002
	SG-9	Oct 2019	12/29/2023	-0.0007	-0.0009
	SG-9	Oct 2019	1/26/2024	-0.0007	-0.0007
	SG-9	Oct 2019	2/29/2024	-0.0007	-0.0007

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
fmr Sterling Bank Lobby/Customer Area	SG-10	Oct 2019	8/30/2022	-0.0003	NM
	SG-10	Oct 2019	9/29/2022	-0.0003	NM
	SG-10	Oct 2019	10/25/2022	-0.0003	NM
	SG-10	Oct 2019	11/29/2022	-0.0003	NM
	SG-10	Oct 2019	12/29/2022	-0.0003	-0.0002
	SG-10	Oct 2019	1/27/2023	-0.0003	0.0000
	SG-10	Oct 2019	2/24/2023	-0.0003	-0.0003
	SG-10	Oct 2019	3/31/2023	-0.0003	-0.0001
	SG-10	Oct 2019	4/28/2023	-0.0003	-0.0004
	SG-10	Oct 2019	5/25/2023	-0.0003	-0.0004
	SG-10	Oct 2019	6/29/2023	-0.0003	-0.0004
	SG-10	Oct 2019	7/28/2023	-0.0003	-0.0004
	SG-10	Oct 2019	8/31/2023	-0.0003	-0.0004
	SG-10	Oct 2019	9/27/2023	-0.0003	-0.0004
	SG-10	Oct 2019	10/31/2023	-0.0003	-0.0002
	SG-10	Oct 2019	11/21/2023	-0.0003	-0.0004
	SG-10	Oct 2019	12/29/2023	-0.0003	-0.0004
	SG-10	Oct 2019	1/26/2024	-0.0003	-0.0002
	SG-10	Oct 2019	2/29/2024	-0.0003	-0.0001
fmr Sterling Bank/Office Area	SG-11	Oct 2019	8/30/2022	-0.0182	-0.0457
	SG-11	Oct 2019	9/29/2022	-0.0182	-0.0357
	SG-11	Oct 2019	10/25/2022	-0.0182	-0.0342
	SG-11	Oct 2019	11/29/2022	-0.0182	-0.0338
	SG-11	Oct 2019	12/29/2022	-0.0182	-0.0336
	SG-11	Oct 2019	1/27/2023	-0.0182	-0.0391
	SG-11	Oct 2019	2/24/2023	-0.0182	-0.0367
	SG-11	Oct 2019	3/31/2023	-0.0182	-0.0384
	SG-11	Oct 2019	4/28/2023	-0.0182	-0.0403
	SG-11	Oct 2019	5/25/2023	-0.0182	-0.0397
	SG-11	Oct 2019	6/29/2023	-0.0182	-0.0403
	SG-11	Oct 2019	7/28/2023	-0.0182	-0.0421
	SG-11	Oct 2019	8/31/2023	-0.0182	-0.0429
	SG-11	Oct 2019	9/27/2023	-0.0182	-0.0420
	SG-11	Oct 2019	10/31/2023	-0.0182	-0.0416
	SG-11	Oct 2019	11/21/2023	-0.0182	-0.0420
	SG-11	Oct 2019	12/29/2023	-0.0182	-0.0436
	SG-11	Oct 2019	1/26/2024	-0.0182	-0.0384
	SG-11	Oct 2019	2/29/2024	-0.0182	-0.0353

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
fmr Sterling Bank/Office Area	SG-12 ¹	Apr 2022	8/30/2022	-0.0002	-0.0054
	SG-12 ¹	Apr 2022	9/29/2022	-0.0002	-0.0036
	SG-12 ¹	Apr 2022	10/25/2022	-0.0002	-0.0035
	SG-12 ¹	Apr 2022	11/29/2022	-0.0002	-0.0026
	SG-12 ¹	Apr 2022	12/29/2022	-0.0002	-0.0003
	SG-12 ¹	Apr 2022	1/27/2023	-0.0002	-0.0021
	SG-12 ¹	Apr 2022	2/24/2023	-0.0002	-0.0018
	SG-12 ¹	Apr 2022	3/31/2023	-0.0002	-0.0015
	SG-12 ¹	Apr 2022	4/28/2023	-0.0002	-0.0025
	SG-12 ¹	Apr 2022	5/25/2023	-0.0002	-0.0031
	SG-12 ¹	Apr 2022	6/29/2023	-0.0002	-0.0040
	SG-12 ¹	Apr 2022	7/28/2023	-0.0002	-0.0043
	SG-12 ¹	Apr 2022	8/31/2023	-0.0002	-0.0043
	SG-12 ¹	Apr 2022	9/27/2023	-0.0002	-0.0040
	SG-12 ¹	Apr 2022	10/31/2023	-0.0002	-0.0040
	SG-12 ¹	Apr 2022	11/21/2023	-0.0002	-0.0041
	SG-12 ¹	Apr 2022	12/29/2023	-0.0002	-0.0027
	SG-12 ¹	Apr 2022	1/26/2024	-0.0002	-0.0010
	SG-12 ¹	Apr 2022	2/29/2024	-0.0002	-0.0022

Notes

* = Commissioning Values based on 10/16/2019 readings

in-Hg = inches of Mercury

1 = SG-4 and SG-12 relocated on April 29, 2022 due to renovations.

TABLE 2
Summary of Differential Pressure Readings: Manometers: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
Manometer	System A Fan	Jan 2019	8/30/2022	-0.1412	-0.2190
	System A Fan	Jan 2019	9/29/2022	-0.1412	-0.1639
	System A Fan	Jan 2019	10/25/2022	-0.1412	-0.1617
	System A Fan	Jan 2019	11/29/2022	-0.1412	-0.1440
	System A Fan	Jan 2019	12/29/2022	-0.1412	-0.0319
	System A Fan	Jan 2019	1/27/2023	-0.1412	-0.0523
	System A Fan	Jan 2019	2/24/2023	-0.1412	-0.0199
	System A Fan	Jan 2019	3/31/2023	-0.1412	-0.0203
	System A Fan	Jan 2019	4/28/2023	-0.1412	-0.0384
	System A Fan	Jan 2019	5/25/2023	-0.1412	-0.0151
	System A Fan	Jan 2019	6/29/2023	-0.1412	-0.0007
	System A Fan	Jan 2019	7/28/2023	-0.1412	-0.0185
	System A Fan	Jan 2019	8/31/2023	-0.1412	-0.0148
	System A Fan	Jan 2019	9/27/2023	-0.1412	-0.0189
	System A Fan	Jan 2019	10/31/2023	-0.1412	-0.0158
	System A Fan	Jan 2019	11/21/2023	-0.1412	-0.0183
	System A Fan	Jan 2019	12/29/2023	-0.1412	-0.0263
	System A Fan	Jan 2019	1/26/2024	-0.1412	-0.0184
	System A Fan	Jan 2019	2/29/2024	-0.1412	-0.0132
Manometer	System B Fan	Jan 2019	8/30/2022	-0.1243	-0.2137
	System B Fan	Jan 2019	9/29/2022	-0.1243	-0.1584
	System B Fan	Jan 2019	10/25/2022	-0.1243	-0.1558
	System B Fan	Jan 2019	11/29/2022	-0.1243	-0.1384
	System B Fan	Jan 2019	12/29/2022	-0.1243	-0.1332
	System B Fan	Jan 2019	1/27/2023	-0.1243	-0.1463
	System B Fan	Jan 2019	2/24/2023	-0.1243	-0.1463
	System B Fan	Jan 2019	3/31/2023	-0.1243	-0.1435
	System B Fan	Jan 2019	4/28/2023	-0.1243	-0.1528
	System B Fan	Jan 2019	5/25/2023	-0.1243	-0.1511
	System B Fan	Jan 2019	6/29/2023	-0.1243	-0.1350
	System B Fan	Jan 2019	7/28/2023	-0.1243	-0.1565
	System B Fan	Jan 2019	8/31/2023	-0.1243	-0.1981
	System B Fan	Jan 2019	9/27/2023	-0.1243	-0.1538
	System B Fan	Jan 2019	10/31/2023	-0.1243	-0.1602
	System B Fan	Jan 2019	11/21/2023	-0.1243	-0.1548
	System B Fan	Jan 2019	12/29/2023	-0.1243	-0.1512
	System B Fan	Jan 2019	1/26/2024	-0.1243	-0.1561
	System B Fan	Jan 2019	2/29/2024	-0.1243	-0.1471

TABLE 2
Summary of Differential Pressure Readings: Manometers: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Commissioning Value * (in-Hg)	Measured Differential Pressure (in-Hg)
Manometer	System C Fan	Jan 2019	8/30/2022	> -0.2207	-0.2153
	System C Fan	Jan 2019	9/29/2022	>-0.2207	> -0.2207
	System C Fan	Jan 2019	10/25/2022	>-0.2207	> -0.2207
	System C Fan	Jan 2019	11/29/2022	>-0.2207	> -0.2207
	System C Fan	Jan 2019	12/29/2022	>-0.2207	> -0.2207
	System C Fan	Jan 2019	1/27/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	2/24/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	3/31/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	4/28/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	5/25/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	6/29/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	7/28/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	8/31/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	9/27/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	10/31/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	11/21/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	12/29/2023	>-0.2207	> -0.2207
	System C Fan	Jan 2019	1/26/2024	>-0.2207	> -0.2207
	System C Fan	Jan 2019	2/29/2024	>-0.2207	> -0.2207

Notes

* = Commissioning Values based on 2/12/2020 readings

in-Hg = inches of Mercury

> -0.2207 ** = Vacuum was greater than the range of the meter.

TABLE 3
Summary of Differential Pressure Readings: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Measured Air Flow (CFM)
Roof Top	System A Fan	Jan 2019	8/30/2022	30.1
	System A Fan	Jan 2019	9/29/2022	27.2
	System A Fan	Jan 2019	10/25/2022	38.7
	System A Fan	Jan 2019	11/29/2022	36.8
	System A Fan	Jan 2019	12/29/2022	13.1
	System A Fan	Jan 2019	1/27/2023	NM
	System A Fan	Jan 2019	2/24/2023	13.3
	System A Fan	Jan 2019	3/31/2023	19.9
	System A Fan	Jan 2019	4/28/2023	60.1
	System A Fan	Jan 2019	5/25/2023	28.6
	System A Fan	Jan 2019	6/29/2023	5.0
	System A Fan	Jan 2019	7/28/2023	3.9
	System A Fan	Jan 2019	8/31/2023	112.3
	System A Fan	Jan 2019	9/27/2023	NM
	System A Fan	Jan 2019	10/31/2023	8.4
	System A Fan	Jan 2019	11/21/2023	NM
	System A Fan	Jan 2019	12/29/2023	NM
	System A Fan	Jan 2019	1/26/2024	NM
	System A Fan	Jan 2019	2/29/2024	17.6
Manometer	System B Fan	Jan 2019	8/30/2022	27.3
	System B Fan	Jan 2019	9/29/2022	40.0
	System B Fan	Jan 2019	10/25/2022	38.8
	System B Fan	Jan 2019	11/29/2022	46.5
	System B Fan	Jan 2019	12/29/2022	10.7
	System B Fan	Jan 2019	1/27/2023	NM
	System B Fan	Jan 2019	2/24/2023	10.1
	System B Fan	Jan 2019	3/31/2023	16.6
	System B Fan	Jan 2019	4/28/2023	39.1
	System B Fan	Jan 2019	5/25/2023	29.0
	System B Fan	Jan 2019	6/29/2023	6.7
	System B Fan	Jan 2019	7/28/2023	4.3
	System B Fan	Jan 2019	8/31/2023	12.6
	System B Fan	Jan 2019	9/27/2023	NM
	System B Fan	Jan 2019	10/31/2023	11.0
	System B Fan	Jan 2019	11/21/2023	NM
	System B Fan	Jan 2019	12/29/2023	NM
	System B Fan	Jan 2019	1/26/2024	NM
	System B Fan	Jan 2019	2/29/2024	77.0

TABLE 3
Summary of Differential Pressure Readings: 2022 - 2024
Whitestone Plaza
Whitestone, New York

Location	Measuring Point Location	Date Installed	Date Measured	Measured Air Flow (CFM)
Manometer	System C Fan	May 2022	8/30/2022	5.6
	System C Fan	May 2022	9/29/2022	7.3
	System C Fan	May 2022	10/25/2022	7.1
	System C Fan	May 2022	11/29/2022	9.1
	System C Fan	May 2022	12/29/2022	2.2
	System C Fan	May 2022	1/27/2023	NM
	System C Fan	May 2022	2/24/2023	3.3
	System C Fan	May 2022	3/31/2023	4.9
	System C Fan	May 2022	4/28/2023	10.1
	System C Fan	May 2022	5/25/2023	9.6
	System C Fan	May 2022	6/29/2023	4.0
	System C Fan	May 2022	7/28/2023	6.9
	System C Fan	May 2022	8/31/2023	56.0
	System C Fan	May 2022	9/27/2023	NM
	System C Fan	May 2022	10/31/2023	9.9
	System C Fan	May 2022	11/21/2023	NM
	System C Fan	May 2022	12/29/2023	NM
	System C Fan	May 2022	1/26/2024	NM
	System C Fan	May 2022	2/29/2024	23.3

Notes

CFM = Cubic Feet per Minute CFM = Cubic Feet per Minute

TABLE 4
Summary of Indoor Air Analytical Results: 2017 to 2024
Former Johnny On the Spot Cleaner
152 10th Avenue, Whitestone, NY

Sample Location		NYSDOH Stnds ¹	Cleaner (Lower)							Cleaner-2							
Medium		Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	
Laboratory ID			200-37771-5	200-42355-3	200-47168-4	200-51061-4	200-62822-3	200-67137-3	L2408362-03	Cleaner 2	200-42355-4	200-47168-1	200-51061-5	200-62822-4	200-67137-4	L2408362-04	
Sample ID			Cleaner	Cleaner	Cleaner	Cleaner	Cleaner	Cleaner	Cleaner		Cleaner 2	Cleaner 2	Cleaner 2	Cleaner 2	Cleaner 2	Cleaner 2	Cleaner 2
Collection Date			03/09/17	02/21/18	01/23/19	10/16/19	03/29/22	03/02/23	02/14/24		03/09/17	02/21/18	01/23/19	10/16/19	03/29/22	03/02/23	02/14/24
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
CAS Number	Chemical Name																
71-55-6	1,1,1-TRICHLOROETHANE	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.109 U	Not Yet Established	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.109 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.37 U		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.37 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	1.5 U	1.5 U	0.49 J	0.41 NJ	0.48 NJ	0.42 NJ	1.53 U		1.5 U	0.50 J	0.47 NJ	1.5 U	0.42 NJ	1.53 U	
75-35-4	1,1-DICHLOROETHENE	NS	0.79 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.079 U		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.079 U
95-63-6	1,2,4-TRIMETHYLBENZENE	NS	0.98 U	0.98 U	0.71 J	0.63 NJ	0.98 U	0.63 NJ	0.983 U		0.98 U	0.98 U	0.60 NJ	0.98 U	1.6	0.983 U	
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.983 U		0.98 U	0.98 U	0.98 U	0.98 U	0.46 NJ	0.983 U	
106-99-0	1,3-BUTADIENE	NS	0.44 U	0.44 U	0.34 J	0.44 U	0.44 U	0.44 U	0.442 U		0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.442 U	
541-73-1	1,3-DICHLOROBENZENE	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.20 U		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.20 U	
106-46-7	1,4-DICHLOROBENZENE	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.20 U		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.20 U	
540-84-1	2,2,4-TRIMETHYLPENTANE	NS	0.93 U	1.2	0.83 J	0.93 U	0.93 U	0.26 NJ	0.934 U		1.1	0.56 J	0.93 U	0.93 U	0.93 U	0.934 U	
622-96-8	4-ETHYLTOLUENE	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.983 U	0.98 U	0.98 U	0.98 U	0.98 U	0.39 NJ	0.983 U		
67-64-1	4-ISOPROPYLTOLUENE (CYMENE)	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	NT	1.1 U	1.1 U	1.1 U	1.1 U	0.47 NJ	NT		
107-05-1	ACETONE	NS	12 U	12 U	12 U	14	7.4 NJ	12 NJ	5.65	12 U	12 U	18	21	13	21.0		
100-44-7	BENZENE	NS	0.64 U	0.76	2.2	0.60 NJ	0.25 NJ	0.74	0.639 U	0.73	0.99	0.65	0.42 NJ	0.69	0.639 U		
75-15-0	BUTANE	NS	1.4	7.5	6.2	2.9	18	20	NT	6.9	3.4	3.2	48	23	NT		
56-23-5	CARBON DISULFIDE	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.623 U	1.6 U	1.6 U	1.6 U	1.6 U	3.3	0.623 U		
108-90-7	CARBON TETRACHLORIDE	NS	0.39	0.44	0.37	0.41	0.31	0.26	0.484	0.46	0.35	0.38	0.35	0.28	0.510		
75-00-3	CHLORODIFLUOROMETHANE (Freon 22)	NS	1.8 U	1.8 U	1.0 J	1.4 NJ	1.0 NJ	2.0	NT	1.8 U	0.99 J	1.5 NJ	0.98 NJ	3.4	NT		
108-90-7	CHLOROBENZENE	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.921 U	0.92 U	0.92 U	0.92 U	0.92 U	0.41 NJ	0.921 U		
74-87-3	CHLOROFORM	NS	0.98 U	0.98 U	0.98 U	1.3	0.98 U	0.98 U	0.977 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.977 U		
156-59-2	CHLOROMETHANE	NS	1.0 U	1.1	1.0 J	1.3	1.3	1.1	1.17	1.1	1.2	1.5	1.4	1.0	1.22		
10061-01-5	CIS-1,2-DICHLOROETHYLENE	NS	0.79 U	0.14 U	0.20 U	0.20 U	0.20 U	0.20 U	0.079 U	0.14 U	0.20 U	0.20 U	0.20 U	0.20 U	0.079 U		
99-87-6	CYCLOHEXANE	NS	0.69 U	0.69 U	0.31 J	0.69 U	0.69 U	0.69 U	0.688 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.688 U		
75-71-8	DICHLORODIFLUOROMETHANE	NS	2.5 U	2.5 U	2.2 J	2.9	2.2 NJ	2.2 NJ	2.37	2.5 U	2.1 J	3.1	2.2 NJ	2.3 NJ	2.24		
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NT	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NT		
64-17-5	ETHANOL	NS	NT	NT	NT	NT	NT	NT	48.2	NT	NT	NT	NT	NT	580		
100-41-4	ETHYLBENZENE	NS	0.87 U	0.87 U	0.81 J	0.52 NJ	0.87 U	0.50 NJ	0.869 U	0.87 U	0.37 J	0.44 NJ	0.87 U	0.61 NJ	0.869 U		
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS	12 U	12 U	12 U	12 U	20	10 NJ	20.4	12 U	12 U	12 U	130 J	27	16.4		
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NT	0.98 U	0.98 U	0.98 U	0.98 U	0.21 NJ	NT		
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.820 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.820 U		
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	1.5 U	1.8	1.5	20	1.5 U	1.5 U	1.47 U	1.5 U	1.5	1.6	1.4 NJ	1.6	1.47 U		
91-20-3	METHYLENE CHLORIDE	60	1.7 U	1.7 U	1.7 U	0.84 NJ	1.7 U	0.91 NJ	3.61	1.7 U	1.7 U	0.78 NJ	0.82 NJ	1.2 NJ	1.74 U		
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.05 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.05 U		
75-09-2	METHYL TERT-BUTYL ETHER (MTBE)	NS	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.721 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.721 U		
179601-23-1	M,P-XYLENES	NS	2.2 U	2.2 U	2.2	0.94 NJ	2.2 U	0.93 NJ	1.74 U	2.2 U	0.86 J	0.84 NJ	2.2 U	1.2 NJ	1.74 U		
104-51-8	NAPHTHALENE	NS	2.6 UJ	2.6 UJ	2.6 U	2.6 UJ	2.6 U	2.6 U	NT	2.6 UJ	6.5 *	2.6 UJ	2.6 U	2.6 U	NT		
110-54-3	N-HEPTANE	NS	0.82 U	0.82 U	0.56 J	1.1	0.82 U	0.75 NJ	0.820 U	0.82 U	0.82 U	0.97	0.59 NJ	1.0	2.81 J		
103-65-1	N-HEXANE	NS	0.70 U	0.85	0.90	1.0 JB	1.8 U	0.70 NJ	0.705 U	0.87	0.70 U	0.92 JB	1.8 U	1.1 NJ	0.705 U		
95-47-6	N-PROPYLBENZENE	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NT	0.98 U	0.98 U	0.98 U	0.98 U	0.38 J	NT		
135-98-8	O-XYLENE (1,2-DIMETHYLBENZENE)	NS	0.87 U	0.87 U	0.69 J	0.45 NJ	0.87 U	0.53 NJ	0.869 U	0.87 U	0.87 U	0.39 NJ	0.87 U	0.65 NJ	0.869 U		
98-06-6	STYRENE	NS	0.85 U	0.85 U	0.85 U	0.56 NJ	0.85 U	0.85 U	0.852 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.852 U		
1634-04-4	TERT-BUTYL ALCOHOL	NS	15 U	15 U	15 U	15 U	15 U	15 U	1.52 U	15 U	15 U	15 U	15 U	15 U	1.52 U		
109-99-9	TETRAHYDOFURAN	NS	15 U	15 U	15 U	15 U	15 U	15 U	1.47 U	15 U	15 U	15 U	15 U	15 U	1.47 U		
127-18-4	TETRACHLOROETHYLENE (PCE)	30	3.6	2.1	0.74 J	1.3 NJ	0.20 NJ	0.43 NJ	0.136 U	6.0	0.54 J	1.4 U	0.21 NJ	0.19 NJ	0.136 U		
108-88-3	TOLUENE	NS	0.87	2.2	3.7	1.7	0.75 U	1.6	0.754 U	2.1	1.9	1.4	0.44 NJ	1.5	0.754 U		
156-60-5	TRANS-1,2-DICHLOROETHENE	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.793 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.793 U		
79-01-6	TRICHLOROETHYLENE (TCE)	2	0.21 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.107 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.107 U		
75-69-4	TRICHLOROFLUOROMETHANE	NS	1.1 U	1.2	1.2	1.3	1.2	0.95 NJ	1.38	1.1	1.2	1.4	1.2	1.1 NJ	1.34		
75-01-4	VINYL CHLORIDE	NS	0.1 U	0.089 U	0.20 U	0.20 U	0.20 U	0.20 U	0.051 U	0.089 U	0.20 U	0.20 U	0.20 U	0.20 U	0.051 U		
XYLENES	XYLENES, TOTAL	NS	3 U	3.0 U	2.9 J	1.4 NJ	3.0 U	1.4 NJ	2.6 U	3.0 U	0.87 J	1.2 NJ	3.0 U	1.8 NJ	2.6 U		
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS		1.1 NJ			12 N	2.3 N			3.0			44 N	2.3 N		

Notes:
Only those analytes detected in one or more samples are presented above
¹ Standards from Final Guidance for Evaluating Soil Vapor
Intrusion in the State of New York, NYSDOH October 2006, with
NS = No Standard
NT = Not Tested
Bold = Concentration exceeds Standards

Validator Qualifiers
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the tentative presence of a non-target/method specified analyte
U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.
NJ = The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent
the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 4
Summary of Indoor Air Analytical Results: 2017 to 2024
Former Johnny On the Spot Cleaner
152 10th Avenue, Whitestone, NY

Sample Location		NYSDOH Stnds ¹	Cleaner 3												
Medium		Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air						
Laboratory ID			Cleaner 3 03/09/17	200-42355-5 Cleaner 3 02/21/18	200-47168-2 Cleaner 3 01/23/19	200-51061-6 Cleaner 3 10/16/19	200-62822-5 Cleaner 3 03/29/22	200-67137-5 Cleaner 3 03/02/23	L2408362-05 Cleaner 3 02/14/24						
Sample ID															
Collection Date															
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3						
CAS Number	Chemical Name														
71-55-6	1,1,1-TRICHLOROETHANE	NS	Not Yet Established	1.1	U	1.1	U	1.1	U	0.109	U				
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS		1.4	U	1.4	U	1.4	U	1.4	U	1.37	U		
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS		1.5	U	0.52	J	0.47	NJ	0.55	NJ	1.5	U		
75-35-4	1,1-DICHLOROETHENE	NS		0.14	U	0.14	U	0.14	U	0.14	U	0.079	U		
95-63-6	1,2,4-TRIMETHYLBENZENE	NS		0.98	U	0.98	U	0.57	NJ	0.98	U	0.98	U	0.983	U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS		0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.983	U
106-99-0	1,3-BUTADIENE	NS		0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.442	U
541-73-1	1,3-DICHLOROBENZENE	NS		1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.20	U
106-46-7	1,4-DICHLOROBENZENE	NS		1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.20	U
540-84-1	2,2,4-TRIMETHYLPENTANE	NS		1.1		0.49	J	0.93	U	0.93	U	0.93	U	0.934	U
622-96-8	4-ETHYLTOLUENE	NS		0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.983	U
67-64-1	4-ISOPROPYLTOLUENE (CYMENE)	NS		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	NT	
107-05-1	ACETONE	NS		12	U	6.4	J	21		17		16		18.2	
100-44-7	BENZENE	NS		0.73		0.80		0.69		0.39	NJ	0.16	NJ	0.639	U
75-15-0	BUTANE	NS		6.8		2.9		2.9		63		36		NT	
56-23-5	CARBON DISULFIDE	NS		1.6	U	1.6	U	1.6	U	1.6	U	0.64	NJ	0.623	U
108-90-7	CARBON TETRACHLORIDE	NS		0.45		0.30		0.42		0.36		0.15	NJ	0.497	
75-00-3	CHLORODIFLUOROMETHANE (Freon 22)	NS		1.8	U	1.0	J	1.5	NJ	0.97	NJ	4.0		NT	
108-90-7	CHLOROBENZENE	NS		0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	0.921	U
74-87-3	CHLOROFORM	NS		0.98	U	0.98	U	0.98	U	0.26	NJ	0.98	U	0.977	U
156-59-2	CHLOROMETHANE	NS		1.1		1.1		1.5		1.4		1.1		1.23	
10061-01-5	CIS-1,2-DICHLOROETHYLENE	NS		0.14	U	0.20	U	0.20	U	0.20	U	0.20	U	0.079	U
99-87-6	CYCLOHEXANE	NS		0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.688	U
75-71-8	DICHLORODIFLUOROMETHANE	NS		2.5	U	2.1	J	3.2		2.3	NJ	2.4	NJ	2.24	
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS		1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	NT	
64-17-5	ETHANOL	NS		NT		NT		NT		NT		NT		693	
100-41-4	ETHYLBENZENE	NS		0.87	U	0.87	U	0.46	NJ	0.87	U	0.24	NJ	0.869	U
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS		12	U	12	U	12	U	96		43		15.4	
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS		0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	NT	
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	0.820	U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS		1.5	U	1.6		1.7		1.0	NJ	1.7		1.47	U
91-20-3	METHYLENE CHLORIDE	60		1.7	U	1.7	U	0.84	NJ	0.60	NJ	1.5	NJ	1.74	U
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.05	U
75-09-2	METHYL TERT-BUTYL ETHER (MTBE)	NS		0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	0.721	U
179601-23-1	M,P-XYLENES	NS		2.2	U	0.76	J	0.89	NJ	2.2	U	2.2	U	1.74	U
104-51-8	NAPHTHALENE	NS		2.6	UJ	2.6	U	2.6	UJ	2.6	U	2.6	U	NT	
110-54-3	N-HEPTANE	NS		0.82	U	0.82	U	0.88		0.45	NJ	0.82	U	2.63	
103-65-1	N-HEXANE	NS		0.81		0.70	U	0.95	JB	1.8	U	1.8	U	0.705	U
95-47-6	N-PROPYLBENZENE	NS		0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	NT	
135-98-8	O-XYLENE (1,2-DIMETHYLBENZENE)	NS		0.87	U	0.87	U	0.46	NJ	0.87	U	0.87	U	0.869	U
98-06-6	STYRENE	NS		0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.852	U
1634-04-4	TERT-BUTYL ALCOHOL	NS		15	U	15	U	15	U	15	U	15	U	1.52	U
109-99-9	TETRAHYDOFURAN	NS		15	U	15	U	15	U	15	U	3.8	NJ	1.47	U
127-18-4	TETRACHLOROETHYLENE (PCE)	30		7.0		0.55	J	0.21	NJ	1.4	U	1.4	U	0.136	U
108-88-3	TOLUENE	NS		2.1		1.5		1.6		0.42	NJ	0.75	U	0.754	U
156-60-5	TRANS-1,2-DICHLOROETHENE	NS		0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.793	U
79-01-6	TRICHLOROETHYLENE (TCE)	2		0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.107	U
75-69-4	TRICHLOROFLUOROMETHANE	NS		1.2		1.1		1.4		1.2		0.94	NJ	1.33	
75-01-4	VINYL CHLORIDE	NS		0.089	U	0.20	U	0.20	U	0.20	U	0.20	U	0.051	U
XYLENES	XYLENES, TOTAL	NS		3.0	U	0.74	J	1.3	NJ	3.0	U	3.0	U	2.6	U
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS								61	N	2.6	N		

Notes:

Only those analytes detected in one or more samples are presented above

¹ Standards from Final Guidance for Evaluating Soil Vapor
Intrusion in the State of New York, NYSDOH October 2006, with

NS = No Standard

NT = Not Tested

Bold = Concentration exceeds Standards

Validator Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the tentative presence of a non-target/method specified analyte

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

NJ = The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation

necessary to accurately and precisely measure the analyte in the sample.

TABLE 4
Summary of Indoor Air Analytical Results: 2017 to 2024
Former Johnny On the Spot Cleaner
152 10th Avenue, Whitestone, NY

Sample Location		NYSDOH Stnds ¹	Bank-1								Bank-2							
Medium		Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air		
Laboratory ID			200-37771-1	200-42355-1	200-47168-6	200-51061-1	200-62822-1	200-67137-2	L2408362-1	200-37771-2	200-42355-2	200-47168-5	200-51061-2	200-62822-2	200-67137-2	L2408362-2		
Sample ID			Bank 1	Bank 1	Bank 1	Bank 1	Bank 1	Bank 1	Bank 1	Bank 2	Bank 2	Bank 2	Bank 2	Bank 2	Bank 2	Bank 2		
Collection Date			03/09/17	02/21/18	01/23/19	10/16/19	03/29/22	03/02/23	02/14/24	03/09/17	02/21/18	01/23/19	10/16/19	03/29/22	03/02/23	02/14/24		
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3			
CAS Number	Chemical Name																	
71-55-6	1,1,1-TRICHLOROETHANE	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.109 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.109 U			
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.37 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.37 U			
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	1.5 U	1.5 U	0.54 NJ	0.44 NJ	1.5 U	0.43 NJ	1.53 U	1.5 U	1.5 U	0.50 J	0.46 NJ	0.48 NJ	1.53 U			
75-35-4	1,1-DICHLOROETHENE	NS	0.79 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.079 U	0.79 U	0.14 U	0.14 U	0.14 U	0.14 U	0.079 U			
95-63-6	1,2,4-TRIMETHYLBENZENE	NS	1.4	4.3	0.98 U	2.0	0.25 NJ	1.1 U	0.983 U	1.5	3.4	0.98 U	1.9	0.98 U	0.92 NJ			
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS	0.98 U	1.4	0.98 U	0.68 NJ	0.98 U	0.25 NJ	0.983 U	0.98 U	1.1	0.98 U	0.63 NJ	0.98 U	0.30 NJ			
106-99-0	1,3-BUTADIENE	NS	0.44 U	0.44 U	0.44 U	0.44 U	0.24 NJ	0.44 U	0.442 U	0.44 U	0.44 U	0.44 U	0.44 U	0.16 NJ	0.44 U			
541-73-1	1,3-DICHLOROBENZENE	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.20 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.20 U			
106-46-7	1,4-DICHLOROBENZENE	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.82	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.01			
540-84-1	2,2,4-TRIMETHYLPENTANE	NS	0.93 U	1.1	0.42 NJ	0.66 NJ	0.21 NJ	0.22 NJ	0.934 U	0.93 U	1.0	0.45 J	0.62 NJ	0.20 NJ	0.93 U			
622-96-8	4-ETHYLTOLUENE	NS	0.98 U	1.4	0.98 U	0.45 NJ	0.98 U	0.98 U	0.983 U	0.98 U	0.97	0.98 U	0.44 NJ	0.98 U	0.24 NJ			
67-64-1	4-ISOPROPYLTOLUENE (CYMENE)	NS	1.1 U	1.1 U	0.54 NJ	1.1 U	1.1 U	1.1 U	NT	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	NT			
107-05-1	ACETONE	NS	12 U	23	33	16	30	22	61.8	12 U	17	26	22	27	16			
100-44-7	BENZENE	NS	0.64 U	0.78	0.78	0.67	0.62 NJ	0.71	0.639 U	0.64 U	0.72	0.81	0.65	0.59 NJ	0.65			
75-15-0	BUTANE	NS	1.2 U	6.1	3.0	3.7	9.4	2.8	NT	1.2 U	6.1	3.0	3.7	11	2.7			
56-23-5	CARBON DISULFIDE	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.623 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.623 U			
108-90-7	CARBON TETRACHLORIDE	NS	0.38	0.49	0.39	0.37	0.37	0.28	0.793	0.40	0.41	0.36	0.38	0.35	0.30			
75-00-3	CHLORODIFLUOROMETHANE (Freon 22)	NS	1.8 U	2.8	1.1 NJ	2.5	2.3	5.0	NT	1.8 U	2.8	1.1 J	2.7	2.3	8.4			
108-90-7	CHLOROBENZENE	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.921 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.921 U			
74-87-3	CHLOROFORM	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.977 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.977 U			
156-59-2	CHLOROMETHANE	NS	1 U	1.5	1.1	1.0	1.2	1.1	1.20	1 U	1.1	1.2	1.2	1.3	1.1			
10061-01-5	CIS-1,2-DICHLOROETHYLENE	NS	0.79 U	0.14 U	0.20 U	0.20 U	0.20 U	0.20 U	0.079 U	0.79 U	0.14 U	0.20 U	0.20 U	0.20 U	0.079 U			
99-87-6	CYCLOHEXANE	NS	0.69 U	4.0	0.69 U	0.69 U	0.69 U	0.69 U	0.688 U	0.69 U	2.9	0.69 U	0.69 U	0.69 U	0.688 U			
75-71-8	DICHLORODIFLUOROMETHANE	NS	5.9	12	7.7	30	140	7.5	3.33	6.6	14	8.5	32	120	5.3			
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NT	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NT			
64-17-5	ETHANOL	NS	NT	NT	NT	NT	NT	NT	345	NT	NT	NT	NT	NT	236			
100-41-4	ETHYLBENZENE	NS	0.87 U	0.87 U	0.60 NJ	0.64 NJ	0.87 U	0.81 NJ	0.869 U	0.87 U	0.87 U	0.61 J	0.65 NJ	0.87 U	0.51 NJ			
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS	35	31	19	13	15	8.3 NJ	15400	24	22	20	13	18	7.2 NJ			
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	0.98 U	0.98 U	0.42 NJ	0.98 U	0.98 U	0.98 U	NT	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NT			
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.820 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U			
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	1.5 U	2.0	1.6	1.7	2.1	2.6	1.47 U	1.5	1.5 U	3.0	1.8	1.8	1.5 U			
91-20-3	METHYLENE CHLORIDE	60	1.7 U	1.7 U	1.7 U	0.76 NJ	1.7 U	1.1 NJ	1.74 U	1.7 U	1.7 U	1.7 U	0.97 NJ	0.97 NJ	2.3			
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.05 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.05 U			
75-09-2	METHYL TERT-BUTYL ETHER (MTBE)	NS	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.721 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.721 U			
179601-23-1	M,P-XYLENES	NS	2.2 U	2.2 U	2.0 NJ	1.5 NJ	2.2 U	2.4	1.74 U	2.2 U	2.2 U	1.9 J	1.5 NJ	2.2 U	1.2 NJ			
104-51-8	NAPHTHALENE	NS	2.6 UJ	2.6 UJ	2.6 U	2.6 JN	2.6 U	2.6 U	NT	2.6 UJ	2.6 UJ	2.6 U	2.6 UJ	2.6 U	2.6 U			
110-54-3	N-HEPTANE	NS	0.82 U	1.2	0.82 U	0.94	0.82 U	0.47 NJ	0.82 U	0.82 U	1.1	0.82 U	0.94	0.82 U	0.44 NJ			
103-65-1	N-HEXANE	NS	0.70 U	2.0	0.70 U	1.0 JB	1.8 U	0.87 NJ	0.705 U	0.7 U	1.6	0.70 U	1.1 JB	1.8 U	1.9			
95-47-6	N-PROPYLBENZENE	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NT	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NT			
135-98-8	O-XYLENE (1,2-DIMETHYLBENZENE)	NS	0.87 U	0.87 U	0.53 NJ	0.61 NJ	0.87 U	1.0	0.869 U	0.87 U	0.87 U	0.54 J	0.60 NJ	0.87 U	0.64 NJ			
98-06-6	STYRENE	NS	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.852 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.852 U			
1634-04-4	TERT-BUTYL ALCOHOL	NS	15 U	17	5.9 NJ	7.0 NJ	6.3 NJ	15 U	1.52 U	15 U	15 U	10 J	6.6 NJ	8.8 NJ	15 U			
109-99-9	TETRAHYDOFURAN	NS	15 U	15 U	15 U	15 U	15 U	15 U	1.47 U	15 U	15 U	15 U	15 U	15 U	1.47 U			
127-18-4	TETRACHLOROETHYLENE (PCE)	30	2.6	3.7	0.50 NJ	0.45 NJ	0.19 NJ	0.21 NJ	0.136 U	2.4	4.3	0.78 J	0.63 NJ	1.4 U	0.31 NJ			
108-88-3	TOLUENE	NS	0.75 U	2.3	1.5	1.9	1.6	3.2	0.765	0.84	2.3	2.1	2.2	1.4	2.0			
156-60-5	TRANS-1,2-DICHLOROETHENE	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.793 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.793 U			
79-01-6	TRICHLOROETHYLENE (TCE)	2	0.21 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.107 U	0.21 U	0.19 U	0.19 U	0.19 U	0.19 U	0.107 U			
75-69-4	TRICHLOROFLUOROMETHANE	NS	1.1 U	1.5	1.2	1.3	1.1	1.1 NJ	1.12 U	1.1 U	1.4	1.1	1.3	1.2	0.96 NJ			
75-01-4	VINYL CHLORIDE	NS	0.1 U	0.089 U	0.20 U	0.20 U	0.20 U	0.20 U	0.051 U	0.1 U	0.089 U	0.20 U	0.20 U	0.20 U	0.051 U			
XYLENES	XYLENES, TOTAL	NS	3 U	3.0 U	2.5 NJ	2.1 NJ	3.0 U	3.5	2.6 U	3 U	3.0 U	2.4 J	2.1 NJ	3.0 U	1.8 N			
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS	12 NJ	26 NJ			12 N	1.1 NJ		7.6 NJ	4.1 NJ			13 N	1.6 NJ			

Notes:
Only those analytes detected in one or more samples are presented above
¹ Standards from Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, NYSDOH October 2006, with
NS = No Standard
NT = Not Tested
Bold = Concentration exceeds Standards

Validator Qualifiers
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the tentative presence of a non-target/method specified analyte
U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.
NJ = The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate
and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 4
Summary of Indoor Air Analytical Results: 2017 to 2024
Former Johnny On the Spot Cleaner
152 10th Avenue, Whitestone, NY

Sample Location		NYSDOH Stnds ¹	Ambient							
Medium		Indoor Air	Ambient Air	Ambient Air	Ambient Air	Ambient Air	Ambient Air	Ambient Air	Outside Air	
Laboratory ID			200-37771-4	200-47168-3	200-51061-3	200-62822-6	200-67137-6	L2408362-6		
Sample ID			Ambient	Ambient	Ambient	Ambient	Ambient	Ambient		
Collection Date			03/09/17	01/23/19	10/16/19	03/29/22	03/02/23	02/14/24		
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3		
CAS Number	Chemical Name									
71-55-6	1,1,1-TRICHLOROETHANE	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.109 U		
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.37 U		
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	1.5 U	0.50 J	1.5 U	0.56 NJ	1.5 U	1.53 U		
75-35-4	1,1-DICHLOROETHENE	NS	0.79 U	0.14 U	0.14 U	0.14 U	0.14 U	0.079 U		
95-63-6	1,2,4-TRIMETHYLBENZENE	NS	0.98 U	0.98 U	0.52 NJ	0.98 U	4.1	0.983 U		
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS	0.98 U	0.98 U	0.98 U	0.98 U	1.3	0.983 U		
106-99-0	1,3-BUTADIENE	NS	0.44 U	0.44 U	0.44 U	0.11 NJ	0.44 U	0.442 U		
541-73-1	1,3-DICHLOROBENZENE	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.20 U		
106-46-7	1,4-DICHLOROBENZENE	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.3	1.20 U		
540-84-1	2,2,4-TRIMETHYLPENTANE	NS	0.93 U	0.52 J	0.93 U	0.93 U	0.31 NJ	0.934 U		
622-96-8	4-ETHYLTOLUENE	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.75 NJ	0.983 U		
67-64-1	4-ISOPROPYLTOLUENE (CYMENE)	NS	1.1 U	1.1 U	1.1 U	1.1 U	27	NT		
107-05-1	ACETONE	NS	12 U	12 U	7.0 NJ	11 NJ	23	4.96		
100-44-7	BENZENE	NS	0.64 U	0.77	0.51 NJ	0.88	1.0	0.639 U		
75-15-0	BUTANE	NS	1.2 U	3.0	2.3	1.7	4.0	NT		
56-23-5	CARBON DISULFIDE	NS	1.6 U	1.6 U	1.2 NJ	1.9	8.2	0.623 U		
108-90-7	CARBON TETRACHLORIDE	NS	0.25 U	0.35	0.40	0.39	0.28	0.491		
75-00-3	CHLORODIFLUOROMETHANE (Freon 22)	NS	1.8 U	0.96 J	1.2 NJ	1.0 NJ	1.5 NJ	NT		
108-90-7	CHLOROBENZENE	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.921 U		
74-87-3	CHLOROFORM	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.977 U		
156-59-2	CHLOROMETHANE	NS	1.0 U	0.99 J	1.2	1.5	1.1	1.15		
10061-01-5	CIS-1,2-DICHLOROETHYLENE	NS	0.79 U	0.20 U	0.20 U	0.20 U	0.20 U	0.079 U		
99-87-6	CYCLOHEXANE	NS	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.688 U		
75-71-8	DICHLORODIFLUOROMETHANE	NS	2.5 U	2.1 J	2.8	2.0 NJ	2.1 NJ	2.10		
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NT		
64-17-5	ETHANOL	NS	NT	NT	NT	NT	NT	9.42 U		
100-41-4	ETHYLBENZENE	NS	0.87 U	0.87 U	0.35 NJ	0.87 U	3.5	0.869 U		
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS	12 U	12 U	12 U	12 U	12 U	1.23 U		
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NT		
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS	2.0 U	2.0 U	2.0 U	2.0 U	1.4 NJ	0.82 U		
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	1.5 U	1.2 J	1.5	1.2 J	20	1.47 U		
91-20-3	METHYLENE CHLORIDE	60	1.7 U	1.7 U	1.7 U	1.1 NJ	0.69 NJ	1.74 U		
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS	2.0 U	2.0 U	2.0 U	2.0 U	0.83 NJ	2.05 U		
75-09-2	METHYL TERT-BUTYL ETHER (MTBE)	NS	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.721 U		
179601-23-1	M,P-XYLENES	NS	2.2 U	0.78 J	0.71 NJ	2.2 U	4.0	1.74 U		
104-51-8	NAPHTHALENE	NS	2.6 UJ	2.6 U	2.6 UJ	2.6 U	150	NT		
110-54-3	N-HEPTANE	NS	0.82 U	0.82 U	0.82 U	0.82 U	1.4	0.82 U		
103-65-1	N-HEXANE	NS	0.70 U	0.70 U	0.98 JB	1.8 U	0.47 NJ	0.705 U		
95-47-6	N-PROPYLBENZENE	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.65 NJ	NT		
135-98-8	O-XYLENE (1,2-DIMETHYLBENZENE)	NS	0.87 U	0.87 U	0.34 NJ	0.87 U	2.2	0.869 U		
98-06-6	STYRENE	NS	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.852 U		
1634-04-4	TERT-BUTYL ALCOHOL	NS	15 U	15 U	15 U	15 U	15 U	1.52 U		
109-99-9	TETRAHYDOFURAN	NS	15 U	15 U	15 U	15 U	15 U	1.47 U		
127-18-4	TETRACHLOROETHYLENE (PCE)	30	1.4 U	0.50 J	1.4 U	0.75 NJ	1.4 U	0.136 U		
108-88-3	TOLUENE	NS	0.75 U	1.4	1.0	0.63 NJ	2.9	0.754 U		
156-60-5	TRANS-1,2-DICHLOROETHENE	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.793 U		
79-01-6	TRICHLOROETHYLENE (TCE)	2	0.21 U	0.19 U	0.19 U	0.19 U	0.19 U	0.107 U		
75-69-4	TRICHLOROFLUOROMETHANE	NS	1.1 U	1.1	1.3	1.2	0.98 NJ	1.29		
75-01-4	VINYL CHLORIDE	NS	0.10 U	0.20 U	0.20 U	0.20 U	0.20 U	0.051 U		
XYLENES	XYLENES, TOTAL	NS	3.0 U	0.78 J	1.0 NJ	3.0 U	6.2	2.6 U		
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS				3.4 NJ	27 N			

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TABLE 5
Summary of Sub-Slab Soil Gas Analytical Results: 2008 to 2024
Former Johnny On the Spot Cleaner
152 10th Avenue, Whitestone, NY

Sample Location		NYSDOH Standards ¹	Former Johnny on the Spot Cleaners												
Medium			Subsurface Vapors	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	
Laboratory ID				SG-1	SG-1	SG-1	SG-1	200-37771-11	200-42355-8	200-62822-13	200-67137-8	L2408362-13	200-62822-15	200-67137-12	L2408362-12
Sample ID				08/26/08	06/19/13	07/11/13	10/16/13	SG-1	SG-1	VMP-2R	VMP-2R	VMP-2R	VMP-3R	VMP-3R	VMP-3R
Collection Date						03/30/17	02/21/18	03/30/22	03/02/23	02/14/24	03/30/22	03/02/23	02/14/24		
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3		
CAS Number	Chemical Name														
71-55-6	1,1,1-TRICHLOROETHANE	NS				17 U	11 U	11 U	1.1 U	1.09 U	11 UJ	11 U	1.09 U		
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS				21 U	14 U	14 U	14 U	1.37 U	14 UJ	14 U	1.37 U		
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON TF)	NS				23 U	14 U	15 U	15 U	1.53 U	15 UJ	15 U	1.53 U		
75-35-4	1,1-DICHLOROETHENE	NS				21	16	1.4 U	1.4 U	0.793 U	1.4 UJ	1.4 U	0.793 U		
95-63-6	1,2,4-TRIMETHYLBENZENE	NS	72.76	14.5	91.93	15 U	36	3.3 NJ	9.8 U	0.983 U	3.3 UJ	9.8 U	0.983 U		
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS				15 U	14	9.8 U	9.8 U	0.983 U	9.8 UJ	9.8 U	0.983 U		
106-99-0	1,3-BUTADIENE	NS				6.7 U	4.4 U	4.4 U	4.4 U	0.442 U	4.4 UJ	4.4 U	0.442 U		
541-73-1	1,3-DICHLOROBENZENE	NS				18 U	12 U	12 U	12 U	1.20 U	12 UJ	12 U	1.20 U		
106-47-7	1,4-DICHLOROBENZENE	NS				18 U	12 U	12 U	12 U	1.20 U	12 UJ	12 U	1.20 U		
540-84-1	2,2,4-TRIMETHYLPENTANE	NS				14 U	79	9.3 U	9.3 U	0.934 U	9.3 UJ	9.3 U	0.934 U		
622-96-8	4-ETHYLTOLUENE	NS	35.4			15 U	9.8	9.8 U	9.8 U	0.983 U	9.8 UJ	9.8 U	0.983 U		
99-87-6	4-ISOPROPYLTOLUENE (CYMENE)	NS				17 U	12 U	11 U	11 U	NT	11 UJ	11 U	NT		
67-64-1	ACETONE	NS	337.43		1451.91	180 U	120 U	81 NJ	120 U	16.5	120 UJ	120 U	27.1		
71-43-2	BENZENE	NS	17.23			9.7 U	6.4 U	6.4 U	1.5 NJ	1.20	6.4 UJ	6.4 U	0.639 U		
106-97-8	BUTANE	NS				18 U	26	12 U	12 U	NT	12 UJ	12 U	NT		
75-15-0	CARBON DISULFIDE	NS	25.52		295.06	24 U	16 U	16 U	16 U	0.623 U	16 UJ	16 U	0.738		
56-23-5	CARBON TETRACHLORIDE	NS				3.8 U	2.2 U	2.2 U	2.2 U	1.26 U	2.2 UJ	2.2 U	1.26 U		
75-45-6	CHLORODIFLUOROMETHANE (Freon 22)	NS				27 U	18 U	18 U	18 U	NT	18 UJ	18 U	NT		
108-90-7	CHLOROBENZENE	NS				14 U	7.0 U	9.2 U	9.2 U	0.921 U	9.2 UJ	9.2 U	0.921 U		
67-66-3	CHLOROFORM	NS	89.07			15 U	9.8 U	9.8 U	9.8 U	0.977 U	9.8 UJ	9.8 U	0.977 U		
74-87-3	CHLOROMETHANE	NS				16 U	10 U	10 U	10 U	0.884	10 UJ	10 U	0.413 U		
156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	51	6.76	6.76	51	22	2.0 U	2.0 U	0.793 U	2.0 UJ	2.0 U	0.793 U		
110-82-7	CYCLOHEXANE	NS				10 U	18	6.9 U	6.9 U	0.688 U	6.9 UJ	6.9 U	0.688 U		
75-71-8	DICHLORODIFLUOROMETHANE	NS				38 U	25 U	14 NJ	25 U	2.74	25 UJ	25 U	2.84		
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS				52	22	16 U	16 U	NT	16 UJ	16 U	NT		
64-17-5	ETHANOL	NS				NT	NT	NT	NT	38.6	NT	NT	18.1		
100-41-4	ETHYLBENZENE	NS	49.42		78.47	13 U	26	8.7 U	2.7 NJ	0.869 U	8.7 UJ	8.7 U	0.869 U		
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS			180.86	190 U	120 U	120 U	120 U	5.26	120 UJ	120 U	12.6		
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS				9.8 U	9.8 U	9.8 U	9.8 U	NT	9.8 UJ	9.8 U	NT		
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS				31 U	31 U	20 U	20 U	0.82 UJ	20 UJ	20 U	0.82 UJ		
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS				22 U	15 U	15 U	15 U	2.15	15 UJ	15 U	3.19		
75-09-2	METHYLENE CHLORIDE	NS				26 U	17 U	17 U	17 U	6.53	27 J	17 U	1.74 U		
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS				31 U	31 U	20 U	20 U	2.05 U	20 UJ	20 U	2.05 U		
1634-04-4	METHYL TERT-BUTYL ETHER (MTBE)	NS				11 U	7.2 U	7.2 U	7.2 U	0.721 U	7.2 UJ	7.2 U	0.721 U		
179601-23-1	M,P-XYLENES	NS	224.57		345.1	33 U	78	22 U	22 U	1.74 U	22 UJ	22 U	1.74 U		
91-20-3	NAPHTHALENE	NS				40 UJ	26 U	26 UJ	26 U	NT	26 UJ	37	NT		
142-82-5	N-HEPTANE	NS				12 U	31	8.2 U	8.2 U	0.82 U	3.1 NJ	8.2 U	0.82 U		
110-54-3	N-HEXANE	NS	35.61		325.76	11 U	35	18 U	18 U	0.705 U	9.0 NJ	18 U	0.705 U		
103-65-1	N-PROPYLBENZENE	NS				15 U	9.8 U	9.8 U	9.8 U	NT	9.8 UJ	9.8 U	NT		
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	NS	52.89		134.4	13 U	44	8.7 U	2.4 NJ	0.869 U	8.7 UJ	8.7 U	0.869 U		
100-42-5	STYRENE	NS				13 U	13 U	8.5 U	8.5 U	0.852 U	8.5 UJ	8.5 U	0.852 U		
75-65-0	TERT-BUTYL ALCOHOL	NS				230 U	150 U	150 U	150 U	1.52 U	150 UJ	150 U	2.85		
109-99-9	TETRAHYDOFURAN	NS				220 U	150 U	150 U	150 U	6.11	150 U	150 U	1.47 U		
127-18-4	TETRACHLOROETHYLENE (PCE)	NS	4300	2746.4	2610	16614	2400	75	43	59	5.93	13 NJ	25	50.7	
108-88-3	TOLUENE	NS		171.58	6.42	360.85	11 U	37	6.3 NJ	3.5 NJ	2.52	5.3 NJ	1.6 NJ	0.912	
156-60-5	TRANS-1,2-DICHLOROETHENE	NS				12 U	7.9 U	7.9 U	7.9 U	0.793 U	7.9 UJ	7.9 U	0.793 U		
79-01-6	TRICHLOROETHYLENE (TCE)	NS	75	192.4	188	1101.72	750	97	6.0	7.2	1.07 U	1.9 UJ	1.9 U	1.07 U	
75-69-4	TRICHLOROFLUOROMETHANE	NS				17 U	11 U	11 U	11 U	1.49	11 UJ	11 U	1.56		
75-01-4	VINYL CHLORIDE	NS		59.56	43.3	1.6 U	78	2.0 U	2.0 U	0.511 U	2.0 UJ	2.0 U	0.511 U		
XYLENES	XYLENES, TOTAL	NS				46 U	120	30 U	2.4 NJ	2.6 U	30 UJ	30 U	2.6 U		
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS					24 NJ	48 N	0		33 N	0			

Notes:
Only those analytes detected in one or more samples are presented above
Blank values indicate concentrations below laboratory method detection limits
ug/m3 = micrograms per cubic meter
NS = No Standard
Bold = Concentration exceeds Standards

Validator Qualifiers
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the tentative presence of a non-target/method specified analyte
U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.
NJ = The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 5
Summary of Sub-Slab Soil Gas Analytical Results: 2008 to 2024
Former Johnny On the Spot Cleaner
152 10th Avenue, Whitestone, NY

Sample Location		NYSDOH Standards ¹	Former Johnny on the Spot Cleaners				Former Bank							
Medium			Subsurface Vapors	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	
Laboratory ID				200-62822-16	200-67137-13	L2408362-11	SG-4	SG-4	SG-4	200-37771-12	SG-4	200-63226-1	200-67137-10	L2408362-07
Sample ID				VMP-4R	VMP-4R	VMP-4R								
Collection Date				03/30/22	03/02/23	02/14/24								
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	
CAS Number	Chemical Name													
71-55-6	1,1,1-TRICHLOROETHANE	NS	11 U	11 U	1.09 U				1.1 U		11 U	11 U	1.09 U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	14 U	14 U	1.37 U				1.4 U		14 U	14 U	1.37 U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON TF)	NS	15 U	15 U	1.53 U				1.5 U		15 U	15 U	1.53 U	
75-35-4	1,1-DICHLOROETHENE	NS	1.4 U	1.4 U	0.793 U				0.79 U	Water being drawn up through tubing into Summa Canister.	1.4 U	1.4 U	0.793 U	
95-63-6	1,2,4-TRIMETHYLBENZENE	NS	9.8 U	9.8 U	0.983 U	195.17	15.1	1.47	5.2		4.0 NJ	9.8 U	1.31	
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS	9.8 U	9.8 U	0.983 U	34.41	3.1		1.4		9.8 U	9.8 U	0.983 U	
106-99-0	1,3-BUTADIENE	NS	4.4 U	4.4 U	0.442 U				0.44 U		4.4 U	4.4 U	0.442 U	
541-73-1	1,3-DICHLOROBENZENE	NS	12 U	12 U	1.20 U				6.0		12 U	12 U	1.20 U	
106-47-7	1,4-DICHLOROBENZENE	NS	12 U	12 U	1.20 U				1.2 U			12 U	3.34	
540-84-1	2,2,4-TRIMETHYLPENTANE	NS	9.3 U	9.3 U	0.934 U	6.3			6.3		9.3 U	9.3 U	0.934 U	
622-96-8	4-ETHYLTOLUENE	NS	9.8 U	9.8 U	0.983 U	70.79	2.7		1.6	Sample canceled.	9.8 U	9.8 U	0.983 U	
99-87-6	4-ISOPROPYLTOLUENE (CYMENE)	NS	11 U	11 U	NT				1.1 U		11 U	11 U	NT	
67-64-1	ACETONE	NS	120 NJ	120 U	14.9			30.18	18		930	120 U	349	
71-43-2	BENZENE	NS	6.4 U	6.4 U	0.639 U			0.77	3.8		6.4 U	2.3 NJ	0.926	
106-97-8	BUTANE	NS	12 U	12 U	NT				9.6		19	12 U	NT	
75-15-0	CARBON DISULFIDE	NS	16 U	16 U	0.629				1.6 U		16 U	16 U	19.0	
56-23-5	CARBON TETRACHLORIDE	NS	2.2 U	2.2 U	1.26 U				0.29		2.2 U	2.2 U	1.26 U	
75-45-6	CHLORODIFLUOROMETHANE (Freon 22)	NS	18 U	18 U	NT				1.8 U		18 U	18 U	NT	
108-90-7	CHLOROBENZENE	NS	9.2 U	9.2 U	0.921 U				0.92 U			9.2 U	0.921 U	
67-66-3	CHLOROFORM	NS	9.8 U	9.8 U	0.977 U				5.7		9.8 U	9.8 U	1.19	
74-87-3	CHLOROMETHANE	NS	10 U	10 U	0.413 U			1.05	1.0 U		10 U	10 U	0.537	
156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	1.5 NJ	2.0 U	0.793 U				0.79 U		2 U	2.0 U	0.793 U	
110-82-7	CYCLOHEXANE	NS	6.9 U	6.9 U	0.688 U				2.8		2.7 NJ	6.9 U	0.688 U	
75-71-8	DICHLORODIFLUOROMETHANE	NS	25 U	25 U	3.13	81.09	21.6	15.03	5.7		6.1 NJ	25 U	2.90	
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS	16 U	16 U	NT				1.6 U		16 U	16 U	NT	
64-17-5	ETHANOL	NS	NT	NT	9.42 U				NT				15.2	
100-41-4	ETHYLBENZENE	NS	8.7 U	2.5 NJ	0.869 U	61.13		1.04	4.5		8.7 U	2.6 NJ	1.46	
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS	120 U	120 U	21.2			53.5	28		320	120 U	1140	
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	9.8 U	9.8 U	NT				NT		9.8 U	9.8 U	NT	
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS	20 U	20 U	0.82 UJ				2.0 U			20 U	0.82 UJ	
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	15 J	15 U	1.47 U			3.69	4.6		10 NJ	15 U	6.13	
75-09-2	METHYLENE CHLORIDE	NS	17 U	17 U	12.9				1.7 U		17 U	14 NJ	1.74 U	
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS	20 U	20 U	2.05 U				2.0 U			20 U	2.05 U	
1634-04-4	METHYL TERT-BUTYL ETHER (MTBE)	NS	7.2 U	7.2 U	0.721 U				0.72 U		7.2 U	7.2 U	0.721 U	
179601-23-1	M,P-XYLENES	NS	22 U	22 U	1.74 U	327.75		4.81	15		22 U	22 U	3.13	
91-20-3	NAPHTHALENE	NS	26 UJ	26 U	NT	28.79	2.6		2.6 UJ		26 UJ	26 U	NT	
142-82-5	N-HEPTANE	NS	8.2 U	8.2 U	0.82 U				3.9		8.2 U	8.2 U	0.82 U	
110-54-3	N-HEXANE	NS	18 U	5.4 NJ	0.705 U	80.03		7.19	8.5		18 U	6.6 NJ	0.705 U	
103-65-1	N-PROPYLBENZENE	NS	9.8 U	9.8 U	NT				0.98 U		9.8 U	9.8 U	NT	
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	NS	8.7 U	2.5 NJ	0.869 U	84.54		1.56	5.0		8.7 U	3.0 J	1.22	
100-42-5	STYRENE	NS	8.5 U	8.5 U	0.852 U				0.85 U		8.5 U	8.5 U	0.852 U	
75-65-0	TERT-BUTYL ALCOHOL	NS	150 U	150 U	1.73				15 U		180	150 U	4.18	
109-99-9	TETRAHYDOFURAN	NS	150 U	150 U	1.47 U				15 U			150 U	1.47 U	
127-18-4	TETRACHLOROETHYLENE (PCE)	NS	380	150	111	2909.13	399	435.35	72		6.2 NJ	14 U	6.04	
108-88-3	TOLUENE	NS	7.5 U	2.4 NJ	0.754 U	156.16		4.67	23		5.8 NJ	7.2 NJ	2.65	
156-60-5	TRANS-1,2-DICHLOROETHENE	NS	7.9 U	7.9 U	0.793 U				0.72 U		7.9 U	7.9 U	0.793 U	
79-01-6	TRICHLOROETHYLENE (TCE)	NS	3.9	1.6 NJ	1.15	54.82	9.1	7.42	6.8		1.9 U	1.9 U	1.07 U	
75-69-4	TRICHLOROFLUOROMETHANE	NS	11 U	11 U	1.63				1.2		11 U	11 U	1.55	
75-01-4	VINYL CHLORIDE	NS	2.0 U	2.0 U	0.511 U				0.1 U		2.0 U	2.0 U	0.511 U	
XYLENES	XYLENES, TOTAL	NS	30 U	2.5 NJ	2.6 U				20		30 U	3.0 NJ	4.35	
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS	33 N	0					3.7 NJ		68 N	34 N		

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Laboratory ID	Sample ID			200-37771-13	200-342355-7	200-62822-10	200-67137-9	L2408362-10	200-37771-14	200-42355-6	200-62822-8		
Collection Date				SG-6	SG-6	SG-6	SG-6	SG-6	SG-6A	SG-6A	SG-6A	SG-6A	SG-6A
			03/10/17	02/21/18	03/30/22	03/02/23	02/14/24	03/10/17	02/21/18	03/30/22	03/02/23	02/14/24	
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	
CAS Number	Chemical Name												
71-55-6	1,1,1-TRICHLOROETHANE	NS	1.1 U	11 U	11 U	11 U	5.46 U	1.1 U	11 U	11 U	Not Sampled	Not Sampled	
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	1.4 U	14 U	14 U	14 U	6.87 U	1.4 U	14 U	14 U			
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON TF)	NS	1.5 U	15 U	15 U	15 U	7.66 U	1.5 U	15 U	15 U			
75-35-4	1,1-DICHLOROETHENE	NS	0.79 U	1.4 U	1.4 U	1.4 U	3.96 U	0.79 U	1.4 U	1.4 U			
95-63-6	1,2,4-TRIMETHYLBENZENE	NS	4.8	78	9.8 U	9.8 U	4.92 U	6.0	75	9.8 U			
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS	1.3	29	9.8 U	9.8 U	4.92 U	1.6	29	9.8 U			
106-99-0	1,3-BUTADIENE	NS	0.44 U	4.4 U	4.4 U	4.4 U	2.21 U	0.44 U	4.4 U	4.4 U			
541-73-1	1,3-DICHLOROBENZENE	NS	5.9	12 U	12 U	12 U	6.01 U	5.6	12 U	12 U			
106-47-7	1,4-DICHLOROBENZENE	NS	1.2 U	12 U	12 U	12 U	6.01 U	1.2 U	12 U	12 U			
540-84-1	2,2,4-TRIMETHYLPENTANE	NS	6.2	78	9.3 U	9.3 U	4.67 U	6.4	76	9.3 U			
622-96-8	4-ETHYLTOLUENE	NS	1.5	21	9.8 U	9.8 U	4.92 U	1.9	22	9.8 U			
99-87-6	4-ISOPROPYLTOLUENE (CYMENE)	NS	1.1 U	11 U	11 U	11 U	NT	1.1 U	11 U	11 U			
67-64-1	ACETONE	NS	190 J	120 U	120 U	43 NJ	934	21	120 U	120 U			
71-43-2	BENZENE	NS	4.9 J	6.4 U	6.4 U	1.8 NJ	3.19 U	3.5	6.4 U	6.4 U			
106-97-8	BUTANE	NS	36	18	12 U	12 U	NT	9.8	18	12 U			
75-15-0	CARBON DISULFIDE	NS	58	16 U	16 U	16 U	3.11 U	1.6 U	16 U	16 U			
56-23-5	CARBON TETRACHLORIDE	NS	0.30	2.2 U	2.2 U	2.2 U	6.29 U	0.33	2.2 U	2.2 U			
75-45-6	CHLORODIFLUOROMETHANE (Freon 22)	NS	1.8 U	18 U	18 U	5.3 NJ	NT	1.8 U	18 U	18 U			
108-90-7	CHLOROBENZENE	NS	0.92 U	9.2 U	9.2 U	9.2 U	4.61 U	0.92 U	9.2 U	9.2 U			
67-66-3	CHLOROFORM	NS	8.3	9.8 U	9.8 U	9.8 U	4.88 U	0.98 U	9.8 U	9.8 U			
74-87-3	CHLOROMETHANE	NS	2.9	10 U	10 U	10 U	2.07 U	1.0 U	10 U	10 U			
156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	0.79 U	1.4 U	2 U	2.0 U	3.96 U	0.79 U	1.4 U	2 U			
110-82-7	CYCLOHEXANE	NS	4.1	11	6.9 U	6.9 U	6.71	2.3	9.3	6.9 U			
75-71-8	DICHLORODIFLUOROMETHANE	NS	100	48	20 NJ	25 U	4.94 U	84	25 U	750			
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS	1.6 U	16 U	16 U	16 U	NT	1.6 U	16 U	16 U			
64-17-5	ETHANOL	NS	NT	NT	NT	NT	73.1	NT	NT	NT			
100-41-4	ETHYLBENZENE	NS	4.5	49	8.7 U	3.1 NJ	4.34 U	5.0	51	8.7 U			
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS	45	120 U	120 U	120 U	6120	25	25 U	120 U			
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	NT	9.8 U	9.8 U	9.8 U	NT	NT	9.8 U	9.8 U			
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS	2.0 U	20 U	20 U	20 U	4.1 UJ	2.0 U	20 U	20 U			
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	13	15 U	15 U	15 U	7.37 U	5.2	15 U	15 U			
75-09-2	METHYLENE CHLORIDE	NS	1.7 U	17 U	17 U	8.1 NJ	8.69 U	1.7 U	17 U	17 U			
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS	2.0 U	17 U	17 U	20 U	10.2 U	2.0 U	17 U	17 U			
1634-04-4	METHYL TERT-BUTYL ETHER (MTBE)	NS	0.72 U	7.2 U	7.2 U	7.2 U	3.61 U	0.72 U	7.2 U	7.2 U			
179601-23-1	M,P-XYLENES	NS	15	150	15 U	15 U	8.69 U	17	160	22 U			
91-20-3	NAPHTHALENE	NS	2.6 UJ	26 U	26 UJ	26 U	NT	2.6 UJ	26 U	26 U			
142-82-5	N-HEPTANE	NS	7.0	25.0	8.2 U	8.2 U	4.1 U	3.9	24	8.2 U			
110-54-3	N-HEXANE	NS	24	12	18 U	4.4 NJ	3.52 U	7.7	7.7	18 U			
103-65-1	N-PROPYLBENZENE	NS	0.98 U	19	9.8 U	9.8 U	NT	1.1	19	9.8 U			
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	NS	5.0	86	4.9 NJ	3.6 NJ	4.34 U	5.9	89	8.7 U			
100-42-5	STYRENE	NS	0.85 U	8.5 U	8.5 U	8.5 U	4.26 U	0.85 U	8.5 U	8.5 U			
75-65-0	TERT-BUTYL ALCOHOL	NS	15 U	150 U	150 U	150 U	7.58 U	15 U	150 U	150 U			
109-99-9	TETRAHYDOFURAN	NS	15 U	150 U	150 U	150 U	7.37 U	15 U	150 U	150 U			
127-18-4	TETRACHLOROETHYLENE (PCE)	NS	5.7	86	3.8 NJ	4.2 NJ	33.6	2.7	87	14 U			
108-88-3	TOLUENE	NS	24	63	7.5 U	4.6 NJ	3.77 U	23	64	7.5 U			
156-60-5	TRANS-1,2-DICHLOROETHENE	NS	0.79 U	7.9 U	7.9 U	7.9 U	3.96 U	0.79 U	7.9 U	7.9 U			
79-01-6	TRICHLOROETHYLENE (TCE)	NS	0.49	4.6	1.9 U	1.9 U	5.37 U	0.21 U	1.9 U	1.9 U			
75-69-4	TRICHLOROFLUOROMETHANE	NS	7.8	11 U	11 U	11 U	5.62 U	3.5	11 U	11 U			
75-01-4	VINYL CHLORIDE	NS	0.10	3.8	2.0 U	2.0 U	2.56 U	0.1 U	0.89 U	2.0 U			
XYLENES	XYLENES, TOTAL	NS	20	240	20 NJ	3.6 NJ	13 U	23	250	30 U			
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS	14 NJ	44 NJ	13 N	16 N		3.3 NJ	24 NJ				

Notes:
Only those analytes detected in one or more samples are presented above
Blank values indicate concentrations below laboratory method detection limits
ug/m3 = micrograms per cubic meter
NS = No Standard
Bold = Concentration exceeds Standards

Validator Qualifiers
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the tentative presence of a non-target/method specified analyte
U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.
NJ = The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 5
Summary of Sub-Slab Soil Gas Analytical Results: 2008 to 2024
Former Johnny On the Spot Cleaner
152 10th Avenue, Whitestone, NY

Sample Location		NYSDOH Standards ¹	Former Bank										
Medium			Subsurface Vapors	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	
Laboratory ID				200-62822-7	SG-9	SG-9	SG-9	200-62822-9	SG-10	SG-10	200-62822-11	200-67137-11	L2408362-9
Sample ID				SG-9	SG-9	SG-9	SG-10	SG-10	SG-10	SG-11	SG-11	SG-11	
Collection Date				03/30/22	03/02/23	02/14/24	03/30/22	03/02/23	03/02/23	03/30/22	03/02/23	02/14/24	
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3		
CAS Number	Chemical Name												
71-55-6	1,1,1-TRICHLOROETHANE	NS	11 U	Not Sampled	Not Sampled	11 U	Not Sampled	Not Sampled	11 U	11 U	1.09 U		
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	14 U			14 U			14 U	14 U	1.37 U		
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON TF)	NS	15 U			15 U			15 U	15 U	1.53 U		
75-35-4	1,1-DICHLOROETHENE	NS	1.4 U			1.4 U			1.4 U	1.4 U	0.793 U		
95-63-6	1,2,4-TRIMETHYLBENZENE	NS	9.8 U			9.8 UJ			9.8 U	9.8 U	1.08		
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS	9.8 U			9.8 U			9.8 U	9.8 U	0.983 U		
106-99-0	1,3-BUTADIENE	NS	4.4 U			4.4 U			4.4 U	4.4 U	0.442 U		
541-73-1	1,3-DICHLOROBENZENE	NS	12 U			12 U			12 U	12 U	1.2 U		
106-47-7	1,4-DICHLOROBENZENE	NS	12 U			12 U			12 U	12 U	1.2 U		
540-84-1	2,2,4-TRIMETHYLPENTANE	NS	9.3 U			9.3 U			9.3 U	9.3 U	0.934 U		
622-96-8	4-ETHYLTOLUENE	NS	9.8 U			9.8 U			9.8 U	9.8 U	0.983 U		
99-87-6	4-ISOPROPYLTOLUENE (CYMENE)	NS	11 U			11 U			11 U	11 U	NT		
67-64-1	ACETONE	NS	120 U			47 NJ			120 NJ	120 U	93.6		
71-43-2	BENZENE	NS	6.4 U			6.4 U			6.4 U	1.4 NJ	0.639 U		
106-97-8	BUTANE	NS	12 U			12 U			12 U	12 U	NT		
75-15-0	CARBON DISULFIDE	NS	16 U			16 U			16 U	61	2.09		
56-23-5	CARBON TETRACHLORIDE	NS	2.2 U			2.2 U			2.2 U	2.2 U	1.26 U		
75-45-6	CHLORODIFLUOROMETHANE (Freon 22)	NS	4.4 NJ			4.7 NJ			4.1 NJ	18 U	NT		
108-90-7	CHLOROBENZENE	NS	9.2 U			9.2 U			9.2 U	9.2 U	0.921 U		
67-66-3	CHLOROFORM	NS	9.8 U			9.8 U			9.8 U	9.8 U	0.977 U		
74-87-3	CHLOROMETHANE	NS	10 U			10 U			10 U	10 U	0.413 U		
156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	2 U			2 U			2 U	2.0 U	0.793 U		
110-82-7	CYCLOHEXANE	NS	6.9 U			6.9 U			6.9 U	6.9 U	0.688 U		
75-71-8	DICHLORODIFLUOROMETHANE	NS	19 NJ			29			110	25 U	59.8		
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS	16 U			16 U			16 U	16 U	NT		
64-17-5	ETHANOL	NS	NT			NT			NT	NT	12.6		
100-41-4	ETHYLBENZENE	NS	8.7 U			7.6 NJ			8.7 U	2.7 NJ	1.01		
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS	120 U			120 U			120 U	120 U	122		
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	9.8 U			9.8 U			9.8 U	9.8 U	NT		
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS	20 U			20 U			20 U	20 U	0.82 UJ		
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	15 U			15 U			15 U	15 U	3.36		
75-09-2	METHYLENE CHLORIDE	NS	17 U			17 U			17 U	17 U	1.74 U		
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS	17 U			17 U			17 U	20 U	2.05 U		
1634-04-4	METHYL TERT-BUTYL ETHER (MTBE)	NS	7.2 U			7.2 U			7.2 U	7.2 U	0.721 U		
179601-23-1	M,P-XYLENES	NS	22 U			30			14 NJ	22 U	1.95		
91-20-3	NAPHTHALENE	NS	26 U			26 UJ			26 UJ	26 U	NT		
142-82-5	N-HEPTANE	NS	8.2 U			8.2 U			8.2 U	8.2 U	0.820 U		
110-54-3	N-HEXANE	NS	18 U			18 U			18 U	18 U	0.705 U		
103-65-1	N-PROPYLBENZENE	NS	9.8 U			9.8 U			9.8 U	9.8 U	NT		
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	NS	8.7 U			7.5 NJ			4.5 NJ	2.4 NJ	0.869 U		
100-42-5	STYRENE	NS	8.5 U			8.5 U			8.5 U	8.5 U	0.852 U		
75-65-0	TERT-BUTYL ALCOHOL	NS	150 U			150 U			150 U	150 U	3.52		
109-99-9	TETRAHYDOFURAN	NS	150 U			150 U			150 U	150 U	1.47 U		
127-18-4	TETRACHLOROETHYLENE (PCE)	NS	14 U			14 U			14 U	12 NJ	1.44		
108-88-3	TOLUENE	NS	7.5 U			7.5 U			7.5 U	3.9 J	1.61		
156-60-5	TRANS-1,2-DICHLOROETHENE	NS	7.9 U			7.9 U			7.9 U	7.9 U	0.793 U		
79-01-6	TRICHLOROETHYLENE (TCE)	NS	1.9 U			1.6 NJ			1.9 U	1.9 U	1.07 U		
75-69-4	TRICHLOROFLUOROMETHANE	NS	11 U			11 U			11 U	11 U	3.10		
75-01-4	VINYL CHLORIDE	NS	2.0 U			2.0 U			2.0 U	2.0 U	0.511 U		
XYLENES	XYLENES, TOTAL	NS	30 U			38			19 NJ	2.4 NJ	1.95		
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS							13	0			

Notes:
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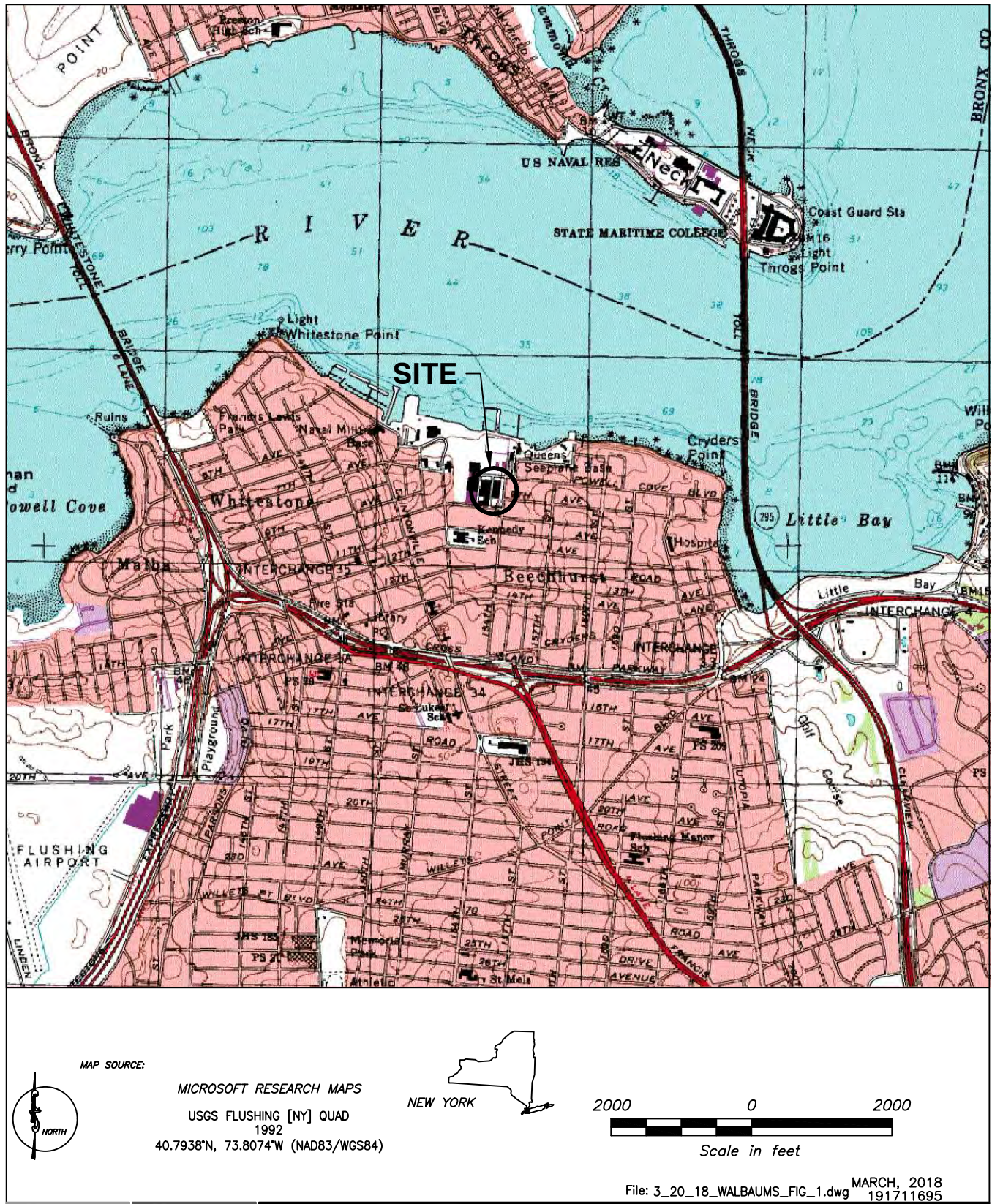
TABLE 5
Summary of Sub-Slab Soil Gas Analytical Results: 2008 to 2024
Former Johnny On the Spot Cleaner
152 10th Avenue, Whitestone, NY

Sample Location		NYSDOH Standards ¹								
Medium			Subsurface Vapors		Sub-Slab Vapor		Sub-Slab Vapor		Sub-Slab Vapor	
Laboratory ID					200-62822-12		200-67137-7		L2408362-8	
Sample ID			SG-12		SG-12		SG-12			
Collection Date			03/30/22		03/02/23		02/14/24			
Units			ug/m3		ug/m3		ug/m3		ug/m3	
CAS Number	Chemical Name									
71-55-6	1,1,1-TRICHLOROETHANE	NS		11	U	11	U	1.09	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	NS		14	U	14	U	1.37	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON TF)	NS		15	U	15	U	1.53	U	
75-35-4	1,1-DICHLOROETHENE	NS		1.4	U	1.4	U	0.793	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	NS		9.8	U	9.8	U	0.983	U	
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS		9.8	U	9.8	U	0.983	U	
106-99-0	1,3-BUTADIENE	NS		4.4	U	4.4	U	0.442	U	
541-73-1	1,3-DICHLOROBENZENE	NS		12	U	12	U	1.2	U	
106-47-7	1,4-DICHLOROBENZENE	NS				12	U	1.2	U	
540-84-1	2,2,4-TRIMETHYLPENTANE	NS		9.3	U	9.3	U	0.934	U	
622-96-8	4-ETHYLTOLUENE	NS		9.8	U	9.8	U	0.983	U	
99-87-6	4-ISOPROPYLTOLUENE (CYMENE)	NS		11	U	11	U	NT		
67-64-1	ACETONE	NS		120	U	120	U	232		
71-43-2	BENZENE	NS		6.4	U	6.4	U	0.639	U	
106-97-8	BUTANE	NS		12	U	12	U	NT		
75-15-0	CARBON DISULFIDE	NS		16	U	16	U	7.04		
56-23-5	CARBON TETRACHLORIDE	NS		2.2	U	2.2	U	1.26	U	
75-45-6	CHLORODIFLUOROMETHANE (Freon 22)	NS		3.9	NJ	18	U	NT		
108-90-7	CHLOROBENZENE	NS				9.2	U	0.921	U	
67-66-3	CHLOROFORM	NS		9.8	U	9.8	U	0.977	U	
74-87-3	CHLOROMETHANE	NS		10	U	10	U	0.450		
156-59-2	CIS-1,2-DICHLOROETHYLENE	NS		2	U	2.0	U	0.793	U	
110-82-7	CYCLOHEXANE	NS		6.9	U	6.9	U	0.688	U	
75-71-8	DICHLORODIFLUOROMETHANE	NS		21	NJ	25	U	2.49		
540-59-0	DICHLOROETHYLENES (1,2-DCE TOTAL)	NS		16	U	16	U	NT		
64-17-5	ETHANOL	NS						36.7		
100-41-4	ETHYLBENZENE	NS		8.7	U	2.5	NJ	0.869	U	
67-63-0	ISOPROPANOL (ISOPROPYL ALCOHOL)	NS		120	U	120	U	570		
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS		9.8	U	9.8	U	NT		
591-78-6	METHYL BUTYL KETONE (2-HEXANONE)	NS				20	U	0.82	UJ	
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS		15	U	15	U	2.65		
75-09-2	METHYLENE CHLORIDE	NS		17	U	17	U	1.74	U	
108-10-1	METHYL ISOBUTYL KETONE (MIBK)	NS				20	U	2.05	U	
1634-04-4	METHYL TERT-BUTYL ETHER (MTBE)	NS		7.2	U	7.2	U	0.721	U	
179601-23-1	M,P-XYLENES	NS		22	U	22	U	1.74	U	
91-20-3	NAPHTHALENE	NS		26	UJ	26	U	NT		
142-82-5	N-HEPTANE	NS		8.2	U	8.2	U	0.82	U	
110-54-3	N-HEXANE	NS		18	U	18	U	0.705	U	
103-65-1	N-PROPYLBENZENE	NS		9.8	U	9.8	U	NT		
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	NS		8.7	U	2.6	NJ	0.869	U	
100-42-5	STYRENE	NS		8.5	U	8.5	U	0.852	U	
75-65-0	TERT-BUTYL ALCOHOL	NS		150	U	150	U	1.63	J	
109-99-9	TETRAHYDOFURAN	NS				150	U	1.47	U	
127-18-4	TETRACHLOROETHYLENE (PCE)	NS		14	U	14	U	1.36	U	
108-88-3	TOLUENE	NS		7.5	U	2.3	NJ	1.47		
156-60-5	TRANS-1,2-DICHLOROETHENE	NS		7.9	U	7.9	U	0.793	U	
79-01-6	TRICHLOROETHYLENE (TCE)	NS		1.9	U	1.9	U	1.07	U	
75-69-4	TRICHLOROFLUOROMETHANE	NS		11	U	11	U	1.33	J	
75-01-4	VINYL CHLORIDE	NS		2.0	U	2.0	U	0.511	U	
XYLENES	XYLENES, TOTAL	NS		30	U	2.6	NJ	2.6	U	
UNKNOWN1	UNKNOWN WITH HIGHEST CONC.	NS		13	N	0				

Notes:
Only those analytes detected in one or more samples are presented above
Blank values indicate concentrations below laboratory method detection limits
ug/m3 = micrograms per cubic meter
NS = No Standard
Bold = Concentration exceeds Standards

FIGURES

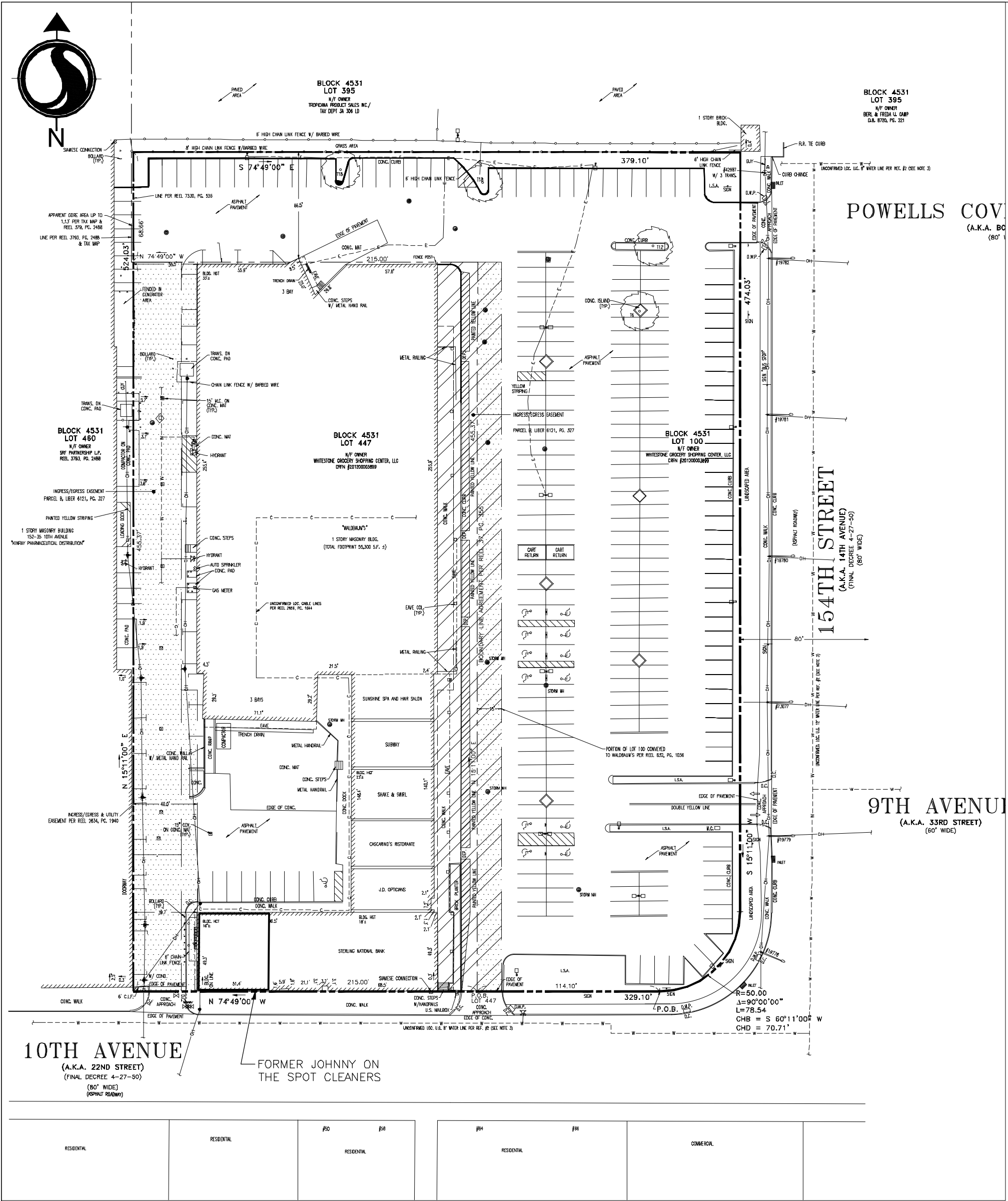
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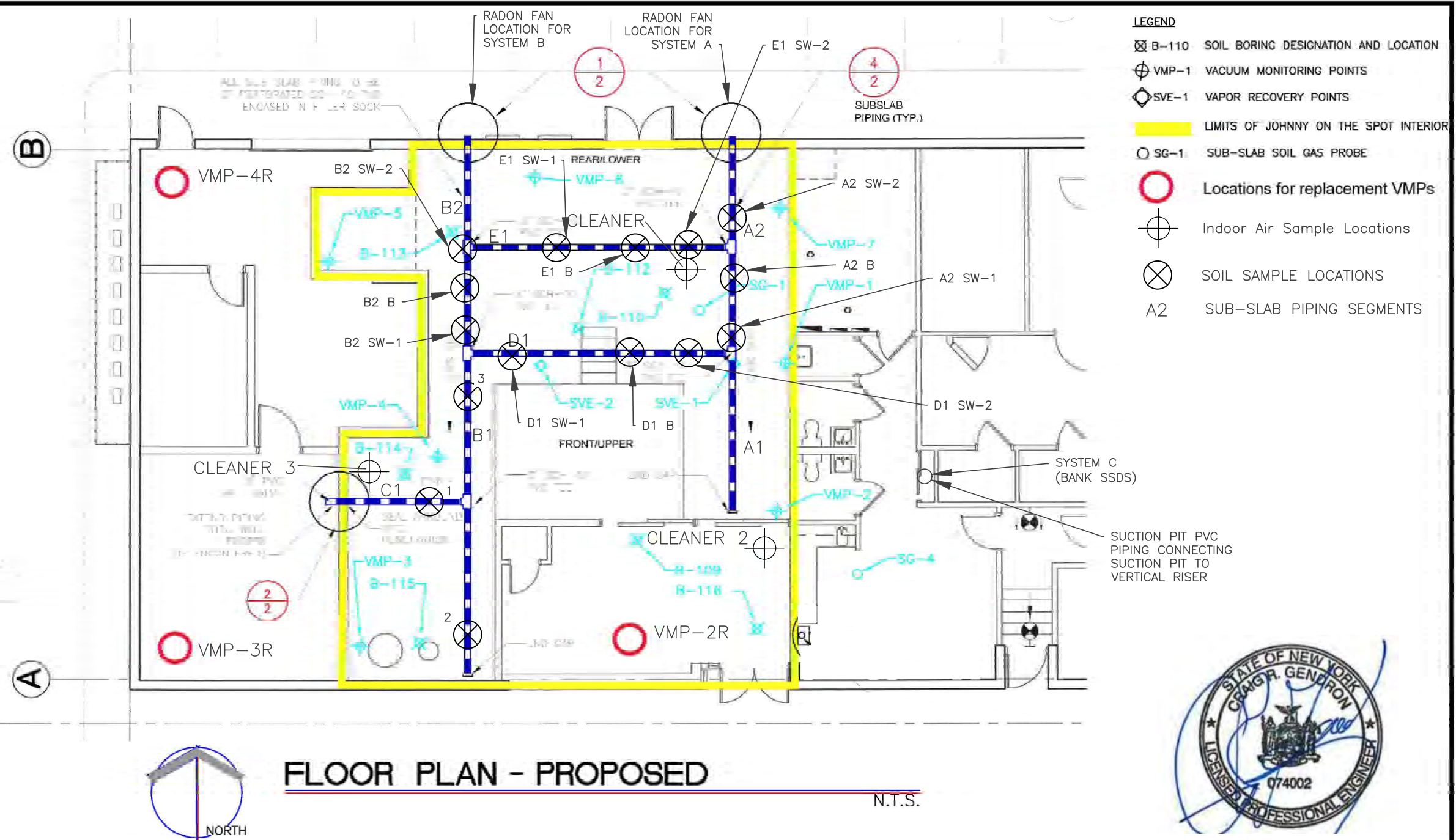


Stantec

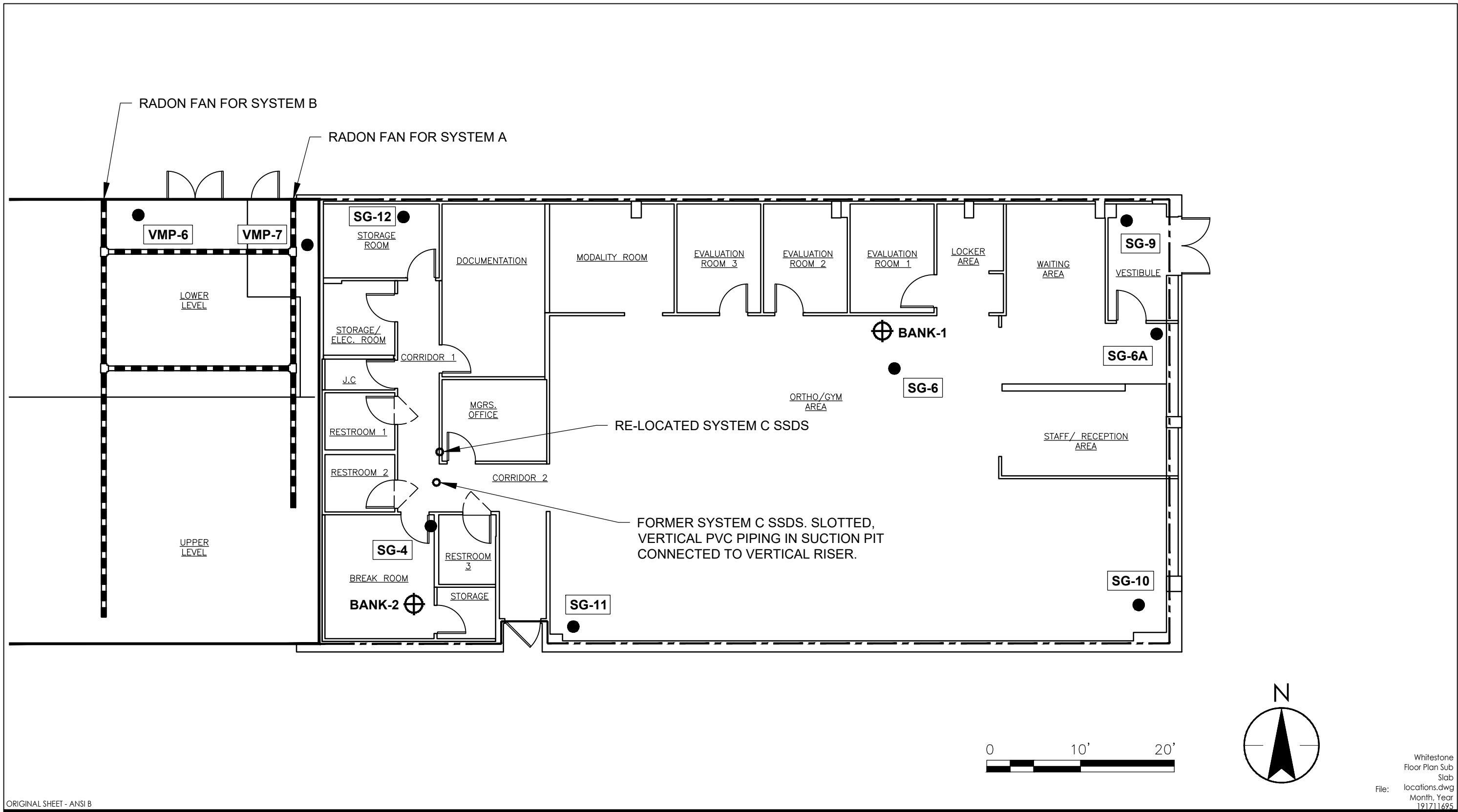
Stantec Consulting Services Inc.
5 Dartmouth Drive, Suite 200
Auburn NH U.S.A.
03032-3984
Tel. 603.669.8672
Fax. 603.669.7636
www.stantec.com

Client/Project
WALBAUM'S SUPERMARKET
152-45 TO 153-01 10TH AVE
WHITESTONE, QUEENS, NY
Figure No.
1.0
Title
SITE LOCATION MAP





 1400 NW BARBER ROAD SUITE 200 PORTLAND, OR. 97255-6690 www.stantec.com	FOR: WHITESTONE PLAZA 152-45 TO 153-01 10TH WHITESTONE, QUEENS, NY		SUB-SLAB PIPING & MONITORING POINTS PLAN FORMER JOHNNY ON THE SPOT CLEANERS		FIGURE: 3
	JOB NUMBER:	DRAWN BY: ESW	CHECKED BY: PV	APPROVED BY: PV	05/13/18



ORIGINAL SHEET - ANSI B



5 DARTMOUTH DRIVE, SUITE 200
AUBURN, NH 03032
www.stantec.com

Legend	
 SG-4	EXISTING SUB_SLAB GAS PROBE LIMITS OF FORMER JOHNNY ON THE SPOT CLEANERS
 BANK-1	INDOOR AIR SAMPLE
	HORIZONTAL SUB SLAB PIPING IN FMR JOHNNY ON THE SPOT

Notes
PLAN IS BASED ON "PROPOSED FIRST FLOOR PLAN" PREPARED BY DEGIAIMO GROUP ARCHITECTS, LLP
SYSTEM C SSDS, RE-LOCATED ON 5/4/22

Client/Project
FEIL / WHITESTONE

Figure No.

4A

Title

PIPING PLAN AND MONITORING POINTS. STARS REHABILITATION CENTER (FORMER BANK)

ATTACHMENT A

Air Sample Logs: February 2024 Sampling Event

ATTACHMENT A

**Air Sample Logs: March 2023 and February 2024 Sampling
Events**



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # CLEANER-1 Building: Travel Agent - Storage Date: 3-2-23
Barometric Pressure Start: -30 End: -4 Wind Speed/Direction: 4 NE
Canister # 5426 Flow Controller # 5834 Start: 1024 End: 1548

Field Instrument PID: MiniRAE 3000 (PGM 7320) IAQ Meter: N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
1024	-30			41°F	62.4%	0.0	29.60	
1102	-26			41°F	91%	0.0	26.61	
~~1335~~	~~-15~~			43°F	79%	0.1	29.58	
1407	-11.5			51%	70%	0.0	29.60	
1448	-8			51%	70%	0.0	29.60	
1548	-4			51°F	70%	0.0	29.62	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID #	Cleaner - 2	Building:	Travel Agent - Office Desk	Date:	3-2-23			
Barometric Pressure	Start:	7-30	End:	~~7-30~~ -9	Wind Speed/Direction:	4 NE		
Canister #	3282	Flow Controller #	3376	Start:	1018	End:	1743	
Field Instrument	PID:	MiniRAE 3000 (PGM 7320)	IAQ Meter:	N/A				
Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
1018	7-30			41°F	42.8	0.1	29.61	
1057	-30			41°F	44.4	0.4	29.61	
1214	-26			43°F		0.1	29.57	
1403	-20			51°F	44.5%	0.0	29.59	
1449	-18			51°F	46.8%	0.0	29.59	
1551	-15			51°F	36.2%	0.1	29.60	
1657	-11.5			50°F	30.2%	0.0	29.60	
1743	-9			50°F	36.2%	0.0	29.60	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # *Cleaner - 3*Building: *Travel Agent - water cooler* Date: *3-2-23*

Barometric Pressure

Start:

-29

End:

-6

Wind Speed/Direction:

5 NE

Canister #

5603

Flow Controller #

7496

Start:

1016

End:

1743

Field Instrument

PID:

MiniRAE 3000 (PGM 7320)

IAQ Meter:

N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
<i>1016</i>	<i>-29</i>			<i>41°F</i>	<i>42.8%</i>	<i>0.1</i>	<i>29.61</i>	
<i>1058</i>	<i>-27</i>			<i>41°F</i>	<i>41.4</i>	<i>2.0</i>	<i>29.61</i>	
<i>1232</i>	<i>-21</i>			<i>43°F</i>	<i>34.4</i>	<i>0.2</i>	<i>29.51</i>	
<i>1404</i>	<i>-17</i>			<i>51°F</i>	<i>42.8</i>	<i>0.0</i>	<i>29.59</i>	
<i>1450</i>	<i>-15</i>			<i>51°F</i>	<i>36.2</i>	<i>0.0</i>	<i>29.59</i>	
<i>1559</i>	<i>-11</i>			<i>51°F</i>	<i>36.2</i>	<i>0.0</i>	<i>29.60</i>	
<i>1659</i>	<i>-8.5</i>			<i>50°F</i>	<i>36.2</i>	<i>0.0</i>	<i>29.60</i>	
<i>1743</i>	<i>-6</i>			<i>50°F</i>	<i>36.2</i>	<i>0.0</i>	<i>29.60</i>	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # AMBIENT Building: Exterior, Gas meter Fence Date: 3-2-23
Barometric Pressure Start: -29 End: -2.5 Wind Speed/Direction: 5 NE
Canister # 5434 Flow Controller # 5175 Start: 1020 End: 1449

Field Instrument PID: MiniRAE 3000 (PGM 7320) IAQ Meter: N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
1021	-29			~~54°F~~ 41°F	54.2	0.0	29.61	
1100	-24			41°F	91%	0.1	29.61	
1316	-14			43°F	71%	0.0	29.58	
1405	-10			51°F	70%	0.0	29.59	
1447	-6			51°F	70%	0.0	29.60	
1549	-2.5			51°F	70%	0.0	29.61	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # **BANK-2**Building: **Rehab - Former Bank - Desk** Date: **3/2/23**

Barometric Pressure

Start: **-27**End: ~~0~~ **-5**Wind Speed/Direction: **4 NE**

Canister #

3212

Flow Controller #

6023Start: **0811**End: **1518**

Field Instrument

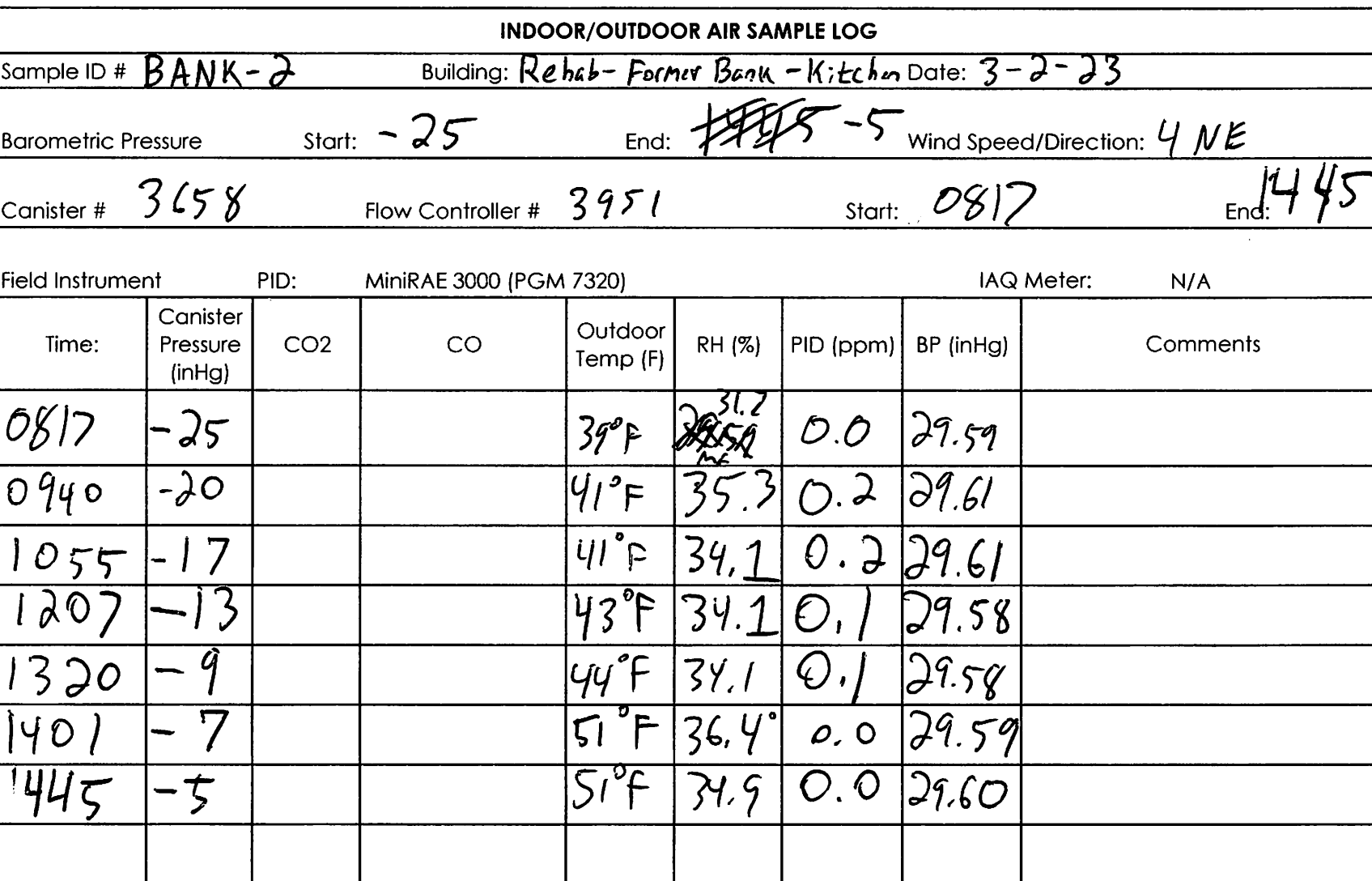
PID:

MiniRAE 3000 (PGM 7320)

IAQ Meter:

N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
0811	-27			39°F	32.9	0.1	29.59	
0940	-22.9			41°F	33.4	0.2	29.61	
1054	-19			42°F	36.4	0.2	29.61	
1206	-16			44°F	36.4	0.1	29.58	
1319	-11.5			44°F	36.4	0.1	29.58	
1400	-9			51°F	36.7	0.1	29.59	1
1445	-6.5			51°F	35.5	0.1	29.60	
1518	-5			52°F	36.5	0.0	29.60	



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Sub-Slab Soil Vapor Sample Collection Log

Sample ID:

^{M9}
~~SG-5~~ SG-6

Client:	Feil WhiteStone LLC	Date:	3-2-23
Project:	WhiteStone	Weather:	Light Rain
Project #:	191711695	Temperature/Pressure:	66.1 F / 29.63 inHg
Location:	WhiteStone Plaza, Queens, NY	Wind Speed/Direction:	NE
Sampler(s):	M. George, J. Nair, J. Walsh	Equipment:	MCD-3000 Min. RAE 3000r Infiltac DM-1
Background PID Ambient Air Reading:	0.1		

SUMMA Canister Information:

Size:

1 L

Canister ID:

8323

Flow Controller ID:

8647

Pressure Reported by Laboratory:

-29.6

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0 ppm	0 ppm	27.1%	0 ppm	2%	0 ppm	27%	0 ppm

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.230	-0.231

Sampling Information:

	Time	Pressure (inHg)
Start	0856	-29
Check #1	0857	-24
Check #2	0858	-20
Check #3	0859	-15
Check #4	0900	-9
Stop	0901	-6

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Sub-Slab Soil Vapor Sample Collection LogSample ID: 56-4

Client:		Date:	
Project:		Weather:	
Project #:		Temperature/Pressure:	
Location:		Wind Speed/Direction:	
Sampler(s):		Equipment:	
Background PID Ambient Air Reading:	<u>0.1</u>		

SUMMA Canister Information:

Size:

1 L

Canister ID:

4964

Flow Controller ID:

6039

Pressure Reported by Laboratory:

-29.6**Tracer Gas Testing:**

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0 ppm	0 ppm	22.1%	0 ppm	0 ppm	0 ppm	24%	0 ppm

12,350
ppm**Differential Pressure Testing:**

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-1.253</u>	<u>-1.255</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>0931</u>	~~-5~~ <u>-5</u>
Check #1	<u>0932</u>	<u>-5</u>
Check #2	<u>0933</u>	<u>-5</u>
Check #3	<u>0934</u>	<u>-5</u>
Check #4	<u>0935</u>	<u>-5</u>
Stop	<u>0936</u>	<u>-5</u>

No drop

* Gauge Never left -5 in Hg, Timed 5-minute grab

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Sub-Slab Soil Vapor Sample Collection LogSample ID: SG-11

Client:		Date:	<u>3-2-23</u>
Project:	<u>White stone</u>	Weather:	
Project #:		Temperature/Pressure:	
Location:		Wind Speed/Direction:	
Sampler(s):		Equipment:	
Background PID Ambient Air Reading:	<u>0.1</u>		

SUMMA Canister Information:

Size:

1 L

Canister ID:

34001628

Flow Controller ID:

91A

Pressure Reported by Laboratory:

-29.6**Tracer Gas Testing:**

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Hellum enrichment		Post-Hellum enrichment		Pre-Hellum enrichment		Post-Hellum enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0</u>	<u>0</u>	<u>8.7%</u>	<u>0</u>	<u>10.3%</u>	<u>0</u>	<u>11.8%</u>	<u>0 ppm</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.130</u>	<u>-0.493</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>0956</u>	<u>-28</u>
Check #1	<u>0957</u>	<u>-26</u>
Check #2	<u>0959</u>	<u>-18</u>
Check #3	<u>1000</u>	<u>-14</u>
Check #4	<u>1001</u>	<u>-10</u>
Stop	<u>1002</u>	<u>-6</u>

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Sub-Slab Soil Vapor Sample Collection LogSample ID: SG-12

Client:		Date:	
Project:		Weather:	
Project #:		Temperature/Pressure:	
Location:		Wind Speed/Direction:	
Sampler(s):		Equipment:	
Background PID Ambient Air Reading:	<u>0.1</u>		

SUMMA Canister Information:

Size:

1 L

Canister ID:

34000863

Flow Controller ID:

6369

Pressure Reported by Laboratory:

-29.6**Tracer Gas Testing:**

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0 ppm</u>	<u>0 ppm</u>	<u>23.2%</u>	<u>0 ppm</u>	<u>3000 ppm</u>	<u>0 ppm</u>	<u>21.9%</u>	<u>0 ppm</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.026</u>	<u>-0.029</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>1035</u>	<u>-29</u>
Check #1	<u>1036</u>	<u>-26</u>
Check #2	<u>1037</u>	<u>-20</u>
Check #3	<u>1038</u>	<u>-16</u>
Check #4	<u>1039</u>	<u>-13</u>
Stop	<u>1040</u>	<u>-10</u>

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Sub-Slab Soil Vapor Sample Collection LogSample ID: VMP-2R

Client:		Date:	
Project:		Weather:	
Project #:		Temperature/Pressure:	
Location:		Wind Speed/Direction:	
Sampler(s):		Equipment:	
Background PID Ambient Air Reading:	<u>0.1</u>		

SUMMA Canister Information:

Size:

1 L

Canister ID:

34000 2473

Flow Controller ID:

7449

Pressure Reported by Laboratory:

-29.6**Tracer Gas Testing:**

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0 ppm</u>	<u>0 ppm</u>	<u>24.3%</u>	<u>0 ppm</u>	<u>7500</u>	<u>0 ppm</u>	<u>24.6%</u>	<u>0 ppm</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.163</u>	<u>-0.344</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>12 22</u>	<u>-26</u>
Check #1	<u>12 23</u>	<u>-23</u>
Check #2	<u>12 24</u>	<u>-16</u>
Check #3	<u>12 25</u>	<u>-10</u>
Check #4	<u>12 26</u>	<u>-7</u>
Stop	<u>12 27</u>	<u>-5</u>

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID:

VMP-3R

Client:		Date:	
Project:		Weather:	
Project #:		Temperature/Pressure:	
Location:		Wind Speed/Direction:	
Sampler(s):		Equipment:	
Background PID Ambient Air Reading:			

SUMMA Canister Information:

Size:

1 L

Canister ID:

34000321

Flow Controller ID:

6105

Pressure Reported by Laboratory:

-29.6

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0 ppm	0 ppm	14.0%	0 ppm	6575	0.0 ppm	21.5%	0 ppm

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.345	-0.430

Sampling Information:

	Time	Pressure (inHg)
Start	1306	-25
Check #1	1307	-19
Check #2	1308	-16
Check #3	1309	-11
Check #4	1310	-8
Stop	1311	-5

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID:

VMP-4R

Client:		Date:	
Project:		Weather:	
Project #:		Temperature/Pressure:	
Location:		Wind Speed/Direction:	
Sampler(s):		Equipment:	
Background PID Ambient Air Reading:	0.0		

SUMMA Canister Information:

Size:

1 L

Canister ID:

34001079

Flow Controller ID:

7672

Pressure Reported by Laboratory:

-29.6

Tracer Gas Testing:

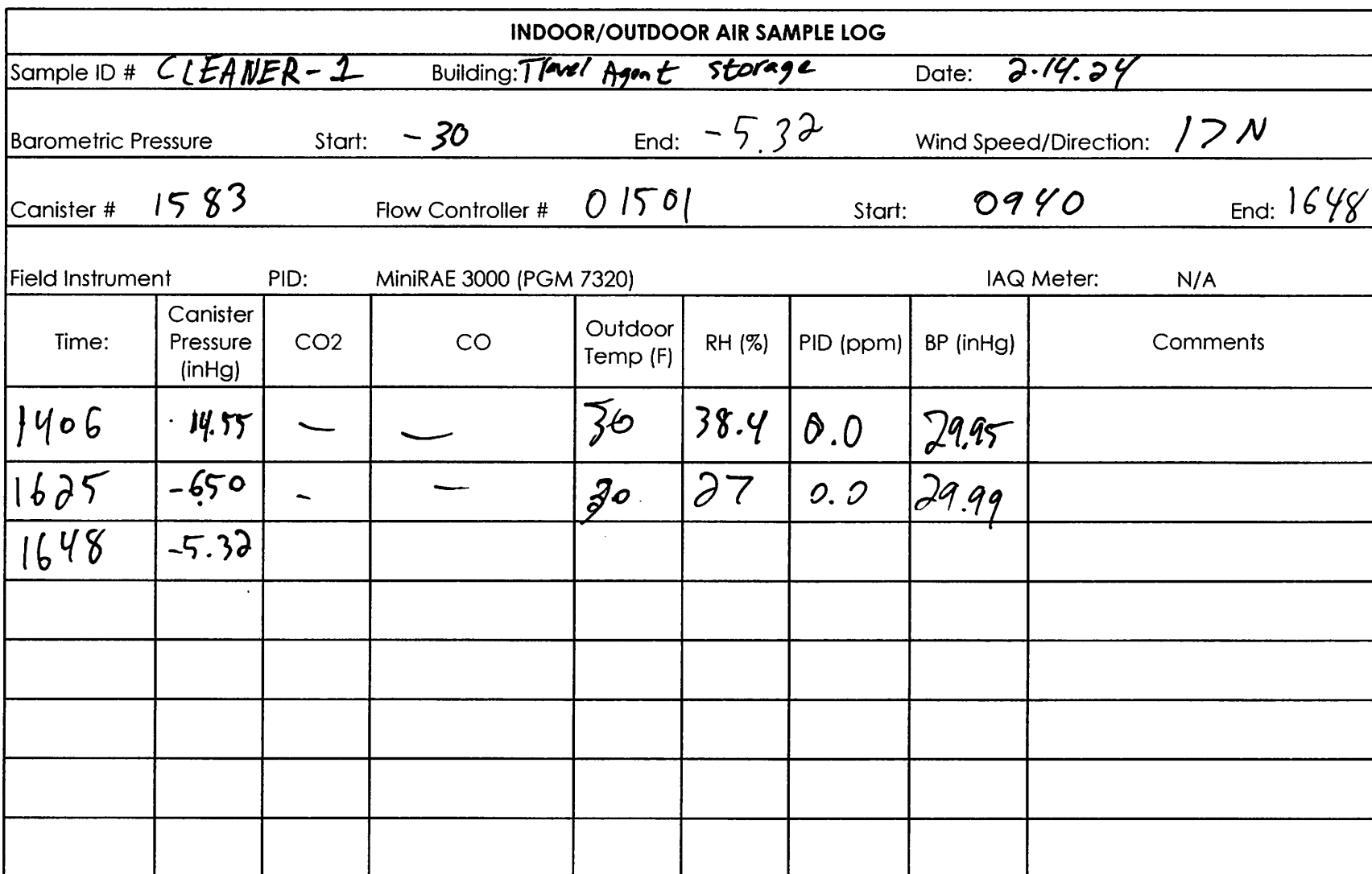
Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0.0 ppm	0.0 ppm	24.0 %	0 ppm	8400	0 ppm	16.9 %	0 ppm

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.004	-0.012

Sampling Information:

	Time	Pressure (inHg)
Start	1252	-28"
Check #1	1253	-28"
Check #2	1254	-21"
Check #3	1255	-16"
Check #4	1256	-12"
Stop	1257	-8"





INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # **CLEANER-2** Building: **Travel Agency** Date: **2-14-24**
Barometric Pressure Start: **-30.66** End: **-7.16** Wind Speed/Direction: **17 N**
Canister # **2783** Flow Controller # **0637** Start: **0926** End: **1657**

Field Instrument PID: **MiniRAE 3000 (PGM 7320)** IAQ Meter: **N/A**

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
11.47	-22.77	—	—	31	~~30.03~~ 44%	0.0	30.03	
1402	-15.71	—	—	30	32.3	0.0	29.94	
1622	-8.59	—	—	30	27	0.0	29.99	
1651	-7.16							



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # CLEANER-3 Building: Travel Agency Date: 2-14-24
Barometric Pressure Start: -30.79 End: -7.58 Wind Speed/Direction: 17 N
Canister # 2646 Flow Controller # 02247 Start: 0928 End: 1652

Field Instrument PID: MiniRAE 3000 (PGM 7320) IAQ Meter: N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
~~1148~~ ~~1228~~	~~-22.87~~	-	-	31	44%	0.0	30.03	
1403	-15.99	-	-	30	25.9	0.0	29.95	
1623	-8.96	-	-	30	27	0.0	29.99	
1652	-7.58							



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # <u>Bank-1</u>		Building: <u>STARS Rehabilitation</u>		Date: <u>2/14/23</u>				
Barometric Pressure		Start: <u>-30.96</u>		End: <u>-6.70</u>		Wind Speed/Direction: <u>17 N</u>		
Canister # <u>1788</u>		Flow Controller # <u>01508</u>		Start: <u>0735</u>		End: <u>1535</u>		
Field Instrument		PID: <u>MiniRAE 3000 (PGM 7320)</u>		IAQ Meter:		N/A		
Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
<u>0818</u>	<u>-28.09</u>	<u>-</u>	<u>-</u>	<u>30</u>	<u>50.3</u>	<u>0.0</u>	<u>29.95</u>	
<u>1111</u>	<u>-19.22</u>	<u>-</u>	<u>-</u>	<u>28</u>	<u>22.7</u>	<u>0.0</u>	<u>29.99</u>	
<u>1358</u>	<u>-10.90</u>			<u>30</u>	<u>37.9</u>	<u>0.8</u>	<u>29.95</u>	
<u>1535</u>	<u>-6.70</u>	<u>-</u>	<u>-</u>	<u>30</u>	<u>32.1</u>	<u>0.0</u>	<u>29.99</u>	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # BANK-2		Building: STARS Rehabilitation		Date: 2/14/23				
Barometric Pressure		Start: -31.17		End: -6.76		Wind Speed/Direction: 17 N		
Canister # 2772		Flow Controller # 01944		Start: 0738		End: 1538 -6.76		
Field Instrument		PID: MiniRAE 3000 (PGM 7320)		IAQ Meter:		N/A		
Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
0815	-28.24	—	—	30	51.8	0.0	29.95	
1107	-19.26	—	—	28	22.2	0.0	29.99	
1400	-10.61	—	—	30	26.7	0.3	29.95	
1538	-6.76	—	—	30	32.1	0.0	29.99	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # *Ambient*

Building:

Date: *02/14/24*Barometric Pressure *-30.9*Start: *0915 - 30.9*End: *-6.58 - 4.97*Wind Speed/Direction: *17 N*Canister # *2933*Flow Controller # *01535*Start: *0945 0945*End: *1603 1515*

Field Instrument

PID:

MiniRAE 3000 (PGM 7320)

IAQ Meter:

N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
<i>1405</i>	<i>-9.89</i>	<i>-</i>	<i>-</i>	<i>30</i>	<i>29</i>	<i>0.0</i>	<i>30.63</i>	
<i>1515</i>	<i>-6.58</i>	<i>-</i>	<i>-</i>	<i>30</i>	<i>29</i>	<i>0.0</i>	<i>29.99</i>	
<i>1545</i>	<i>-5.60</i>	<i>-</i>	<i>-</i>	<i>30</i>	<i>29</i>	<i>0.0</i>	<i>29.95</i>	
<i>1603</i>	<i>-4.97</i>	<i>-</i>	<i>-</i>	<i>30</i>	<i>29</i>	<i>0.0</i>	<i>29.99</i>	



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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SG-4

Client:		Date:	<u>2-14-24</u>
Project:	<u>Whitestone</u>	Weather:	<u>Partly cloudy</u>
Project #:	<u>191711695</u>	Temperature/Pressure:	<u>29°F / 29.98 inHg</u>
Location:	<u>Whitestone plaza NY</u>	Wind Speed/Direction:	<u>17/N</u>
Sampler(s):	<u>M. George</u>	Equipment:	
Background PID Ambient Air Reading:	<u>0.0 ppm</u>		

SUMMA Canister Information:

Size: 2.7 Liter
Canister ID: 3220
Flow Controller ID: 01907
Pressure Reported by Laboratory: -29.9 inHg

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	~~0~~	~~21.4%~~	0	0	23.9%	0
		21.4% 0 ppm					

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-1.210</u>	<u>-1.179</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>0831</u>	<u>-27.3</u>
Check #1	<u>0834</u>	<u>-22.95</u>
Check #2	<u>0836</u>	<u>-16.67</u>
Check #3	<u>0839</u>	<u>-10.44</u>
Check #4	<u>0841</u>	<u>-6.67</u>
Stop	<u>0842</u>	<u>-4.95</u>

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Auburn, NH
(603) 496-4674**Sub-Slab Soil Vapor Sample Collection Log**Sample ID: **SG - 6**

Client:		Date:	2-14
Project:	White Stone	Weather:	Partly Cloudy
Project #:	191711695	Temperature/Pressure:	30°F
Location:	White Stone Plaza, NY	Wind Speed/Direction:	17 / N / 30.03 in Hg
Sampler(s):	M. George	Equipment:	
Background PID Ambient Air Reading:	0.5 ppm		

SUMMA Canister Information:

Size: **2.7L**
 Canister ID: **2796**
 Flow Controller ID: **02455**
 Pressure Reported by Laboratory: **-29.9**

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	10.4%	0	0	0	23.2%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
- 0.238	- 0.225

Sampling Information:

	Time	Pressure (inHg)
Start	1046	-28.90
Check #1	1049	-21.38
Check #2	1052	-13.79
Check #3	1054	-8.80
Check #4	1055	-7.21
Stop	1056	-4.99



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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SG-11

Client:		Date:	<u>2.14.24</u>
Project:	<u>White Stone</u>	Weather:	<u>Partly cloudy</u>
Project #:	<u>19171/695</u>	Temperature/Pressure:	<u>26. F 30.03</u>
Location:	<u>White Stone plaza NY</u>	Wind Speed/Direction:	<u>17 N</u>
Sampler(s):	<u>M. George</u>	Equipment:	
Background PID Ambient Air Reading:	<u>0.5 ppm</u>		

SUMMA Canister Information:

Size: 2.7L
Canister ID: 3451
Flow Controller ID: 02510
Pressure Reported by Laboratory: -29.9

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0</u>	<u>0</u>	<u>22.1%</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>-24.3</u>	<u>0</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.437</u>	<u>-0.463</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>1009</u>	<u>-29.67</u>
Check #1	<u>1011</u>	<u>-25.45</u>
Check #2	<u>1014</u>	<u>-17.97</u>
Check #3	<u>1018</u>	<u>-11.83</u>
Check #4	<u>1020</u>	<u>-7.82</u>
Stop	<u>1021</u>	<u>-4.99</u>



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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SG-12

Client:		Date:	<u>2-14-24</u>
Project:	<u>White Stone</u>	Weather:	<u>partly cloudy</u>
Project #:	<u>141711695</u>	Temperature/Pressure:	<u>30°F</u>
Location:	<u>White Stone Plaza</u>	Wind Speed/Direction:	<u>17/N</u>
Sampler(s):	<u>M. Coorse</u>	Equipment:	
Background PID Ambient Air Reading:	<u>0.00ppm</u>		

SUMMA Canister Information:

Size:

2.7L

Canister ID:

3739

Flow Controller ID:

02035

Pressure Reported by Laboratory:

-30.0

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0</u>	<u>0</u>	<u>23.1%</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>21.7%</u>	<u>0</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.003</u>	<u>-0.002</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>0854</u>	<u>-29.87</u>
Check #1	<u>0856</u>	<u>-23.78</u>
Check #2	<u>0859</u>	<u>-17.45</u>
Check #3	<u>0903</u>	<u>-7.51</u>
Check #4	<u>0904</u>	<u>-6.03</u>
Stop	<u>0905</u>	<u>-4.91</u>



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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: VMP-2R

Client:		Date:	<u>2-14-24</u>
Project:	<u>191711695 Whitestone</u>	Weather:	<u>partly cloudy</u>
Project #:	<u>191711695</u>	Temperature/Pressure:	<u>30°F / 70.03 in Hg</u>
Location:	<u>Wh. 6562 Plaza NY</u>	Wind Speed/Direction:	<u>12 / N</u>
Sampler(s):	<u>M. George</u>	Equipment:	
Background PID Ambient Air Reading:	<u>0.0 ppm</u>		

SUMMA Canister Information:

Size:

2.7L

Canister ID:

2244

Flow Controller ID:

0863

Pressure Reported by Laboratory:

-29.7

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0</u>	<u>0</u>	<u>22.4%</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>23.9%</u>	<u>0</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>- 0.297</u>	

Sampling Information:

	Time	Pressure (inHg)
Start	<u>1307</u>	<u>- 9.07</u>
Check #1		
Check #2	<u>Continuous monitoring</u>	
Check #3		
Check #4		
Stop	<u>1311</u>	<u>- 1.99</u>

$$P_i = -9.07 \text{ in Hg}$$



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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: VMP-3R

Client:		Date:	<u>2.14.24</u>
Project:	<u>White Stone</u>	Weather:	<u>61%¹/₄</u>
Project #:	<u>191711695</u>	Temperature/Pressure:	<u>30°F / 30.03 in Hg</u>
Location:	<u>White Stone Plaza, NH</u>	Wind Speed/Direction:	<u>17 / N</u>
Sampler(s):	<u>M. George</u>	Equipment:	
Background PID Ambient Air Reading:	<u>0.0</u>		

SUMMA Canister Information:

Size: 2.7L 3735

Canister ID: 02472

Flow Controller ID: -30.0

Pressure Reported by Laboratory: -30.0

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0</u>	<u>0</u>	<u>21.7%</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>19.3%</u>	<u>0</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.001</u>	<u>-0.003</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>12 26</u>	<u>-29.68</u>
Check #1	<u>12 28</u>	<u>-24.72</u>
Check #2	<u>~~12 28~~ 12 31</u>	<u>-18.08</u>
Check #3	<u>12 33</u>	<u>-11.69</u>
Check #4	<u>12 35</u>	<u>-7.35</u>
Stop	<u>12 36</u>	<u>-4.96</u>

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Sub-Slab Soil Vapor Sample Collection LogSample ID: VMP-4R

Client:		Date:	<u>2-14-24</u>
Project:	<u>Whitestone</u>	Weather:	<u>Cloudy</u>
Project #:	<u>191711695</u>	Temperature/Pressure:	<u>30°F / 30.03 in Hg</u>
Location:	<u>Whitestone plaza</u>	Wind Speed/Direction:	<u>17 / N</u>
Sampler(s):	<u>M. George</u>	Equipment:	
Background PID Ambient Air Reading:	<u>0.0</u>		

SUMMA Canister Information:

Size: 2.7L
 Canister ID: 262
 Flow Controller ID: 01230
 Pressure Reported by Laboratory: -29.9

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0</u>	<u>0</u>	<u>19.7%</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>21.3%</u>	<u>0</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.004</u>	<u>-0.003</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>11:52</u> <u>1206</u>	<u>-30.02</u>
Check #1	<u>1209</u>	<u>-22.24</u>
Check #2	<u>1213</u>	<u>-14.38</u>
Check #3	<u>1214</u>	<u>-10.76</u>
Check #4	<u>1216</u>	<u>-6.37</u>
Stop	<u>1217</u>	<u>-4.96</u>

ATTACHMENT B

Laboratory Report: March 2023 Vapor Intrusion Sampling Event



ANALYTICAL REPORT

PREPARED FOR

Attn: Don Moore
Stantec Consulting Services Inc
5 Dartmouth Drive
Suite 200
Auburn NH 03032-3984

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JOB DESCRIPTION

Whitestone NY
SDG Number 200-67137

JOB NUMBER

200-67137-1

Eurofins Burlington

Job Notes

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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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Authorized for release by
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802 923-1021

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Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Air - GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

Glossary

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

CASE NARRATIVE

Client: Stantec Consulting Services Inc

Project: Whitestone NY

Report Number: 200-67137-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

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

RECEIPT

The samples were received on 03/04/2023; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples BANK-1, BANK-2, CLEANER-1, CLEANER-2, CLEANER-3, AMBIENT, SG-12, VMP-2R, SG-6, SG-4, SG-11, VMP-3R and VMP-4R were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 03/20/2023.

Samples SG-12[10X], VMP-2R[10X], SG-6[10X], SG-4[10X], SG-11[10X], VMP-3R[10X] and VMP-4R[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-1

Lab Sample ID: 200-67137-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.5		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	1.4		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	1.2		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19	J	0.20	0.050	ppb v/v	1		TO-15	Total/NA
Freon TF	0.056	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	9.5		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	3.4	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.32	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.25	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.88		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.045		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.047	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.22		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
Toluene	0.85		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.031	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.19	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.56		0.50	0.095	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.24		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.80		0.70	0.052	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.050	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	7.5		2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	5.0		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	2.8		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
Freon TF	0.43	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	22		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	8.3	J	12	3.9	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.1	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	0.87	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.6		1.5	1.4	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.28		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.22	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.71		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.47	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	3.2		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.21	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.81	J	0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.4		2.2	0.41	ug/m3	1		TO-15	Total/NA
Xylene, o-	1.0		0.87	0.23	ug/m3	1		TO-15	Total/NA
Xylene (total)	3.5		3.0	0.23	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.25	J	0.98	0.23	ug/m3	1		TO-15	Total/NA

Client Sample ID: BANK-2

Lab Sample ID: 200-67137-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.1		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	2.4		0.50	0.12	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-2 (Continued)

Lab Sample ID: 200-67137-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.52		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	1.1		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
Freon TF	0.057	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	6.9		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	2.9	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.66		0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.53		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.048		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Benzene	0.20		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
Toluene	0.53		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.046	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.12	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.27	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.15	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.42	J	0.70	0.052	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.049	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.061	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.19	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	5.3		2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	8.4		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	2.7		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	0.96	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
Freon TF	0.43	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	16		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	7.2	J	12	3.9	ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.3		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
Carbon tetrachloride	0.30		0.22	0.14	ug/m3	1		TO-15	Total/NA
Benzene	0.65		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.44	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	2.0		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.31	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.51	J	0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.2	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.64	J	0.87	0.23	ug/m3	1		TO-15	Total/NA
Xylene (total)	1.8	J	3.0	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.24	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.30	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.92	J	0.98	0.39	ug/m3	1		TO-15	Total/NA

Client Sample ID: CLEANER-1

Lab Sample ID: 200-67137-3

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
Freon 22	0.57		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.55		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	8.2		0.50	0.20	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-1 (Continued)

Lab Sample ID: 200-67137-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v	1			TO-15	Total/NA
Freon TF	0.054	J	0.20	0.053	ppb v/v	1			TO-15	Total/NA
Acetone	4.9	J	5.0	1.6	ppb v/v	1			TO-15	Total/NA
Isopropyl alcohol	4.1	J	5.0	1.6	ppb v/v	1			TO-15	Total/NA
Methylene Chloride	0.26	J	0.50	0.18	ppb v/v	1			TO-15	Total/NA
n-Hexane	0.20	J	0.50	0.11	ppb v/v	1			TO-15	Total/NA
Carbon tetrachloride	0.041		0.035	0.022	ppb v/v	1			TO-15	Total/NA
2,2,4-Trimethylpentane	0.056	J	0.20	0.038	ppb v/v	1			TO-15	Total/NA
Benzene	0.23		0.20	0.044	ppb v/v	1			TO-15	Total/NA
n-Heptane	0.18	J	0.20	0.055	ppb v/v	1			TO-15	Total/NA
Toluene	0.42		0.20	0.042	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	0.063	J	0.20	0.021	ppb v/v	1			TO-15	Total/NA
Ethylbenzene	0.12	J	0.20	0.052	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
Xylene, o-	0.12	J	0.20	0.052	ppb v/v	1			TO-15	Total/NA
Xylene (total)	0.33	J	0.70	0.052	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
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
Freon 22	2.0		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	20		1.2	0.48	ug/m3	1			TO-15	Total/NA
Trichlorofluoromethane	0.95	J	1.1	0.28	ug/m3	1			TO-15	Total/NA
Freon TF	0.42	J	1.5	0.41	ug/m3	1			TO-15	Total/NA
Acetone	12	J	12	3.8	ug/m3	1			TO-15	Total/NA
Isopropyl alcohol	10	J	12	3.9	ug/m3	1			TO-15	Total/NA
Methylene Chloride	0.91	J	1.7	0.63	ug/m3	1			TO-15	Total/NA
n-Hexane	0.70	J	1.8	0.39	ug/m3	1			TO-15	Total/NA
Carbon tetrachloride	0.26		0.22	0.14	ug/m3	1			TO-15	Total/NA
2,2,4-Trimethylpentane	0.26	J	0.93	0.18	ug/m3	1			TO-15	Total/NA
Benzene	0.74		0.64	0.14	ug/m3	1			TO-15	Total/NA
n-Heptane	0.75	J	0.82	0.23	ug/m3	1			TO-15	Total/NA
Toluene	1.6		0.75	0.16	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	0.43	J	1.4	0.14	ug/m3	1			TO-15	Total/NA
Ethylbenzene	0.50	J	0.87	0.23	ug/m3	1			TO-15	Total/NA
m,p-Xylene	0.93	J	2.2	0.41	ug/m3	1			TO-15	Total/NA
Xylene, o-	0.53	J	0.87	0.23	ug/m3	1			TO-15	Total/NA
Xylene (total)	1.4	J	3.0	0.23	ug/m3	1			TO-15	Total/NA
1,2,4-Trimethylbenzene	0.63	J	0.98	0.39	ug/m3	1			TO-15	Total/NA

Client Sample ID: CLEANER-2

Lab Sample ID: 200-67137-4

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
Freon 22	0.97		0.50	0.12	ppb v/v	1			TO-15	Total/NA
Chloromethane	0.50		0.50	0.15	ppb v/v	1			TO-15	Total/NA
n-Butane	9.7		0.50	0.20	ppb v/v	1			TO-15	Total/NA
Trichlorofluoromethane	0.19	J	0.20	0.050	ppb v/v	1			TO-15	Total/NA
Freon TF	0.054	J	0.20	0.053	ppb v/v	1			TO-15	Total/NA
Acetone	5.4		5.0	1.6	ppb v/v	1			TO-15	Total/NA
Isopropyl alcohol	11		5.0	1.6	ppb v/v	1			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-2 (Continued)

Lab Sample ID: 200-67137-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.1		0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.35	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.33	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.54		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.044		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Benzene	0.22		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
Toluene	0.39		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.028	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Chlorobenzene	0.088	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.14	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.27	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.15	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.42	J	0.70	0.052	ppb v/v	1		TO-15	Total/NA
Cumene	0.043	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.077	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.079	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.093	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.32		0.20	0.080	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.086	J	0.20	0.061	ppb v/v	1		TO-15	Total/NA
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
Freon 22	3.4		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.0		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	23		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
Freon TF	0.42	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	13		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	27		12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.3		1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.2	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	1.1	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.6		1.5	1.4	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.28		0.22	0.14	ug/m3	1		TO-15	Total/NA
Benzene	0.69		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
Toluene	1.5		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.19	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Chlorobenzene	0.41	J	0.92	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.61	J	0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.2	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.65	J	0.87	0.23	ug/m3	1		TO-15	Total/NA
Xylene (total)	1.8	J	3.0	0.23	ug/m3	1		TO-15	Total/NA
Cumene	0.21	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.38	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.39	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.46	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.6		0.98	0.39	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.47	J	1.1	0.33	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-3

Lab Sample ID: 200-67137-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.49	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	1.1		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.52		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	15		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	6.5		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	17		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.21	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.45	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.59		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	1.3	J	5.0	1.3	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.024	J	0.035	0.022	ppb v/v	1		TO-15	Total/NA
Benzene	0.051	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.056	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
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
Freon 22	4.0		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	36		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	0.94	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	16		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	43		12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.64	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.5	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.7		1.5	1.4	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	3.8	J	15	3.8	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.15	J	0.22	0.14	ug/m3	1		TO-15	Total/NA
Benzene	0.16	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.24	J	0.87	0.23	ug/m3	1		TO-15	Total/NA

Client Sample ID: AMBIENT

Lab Sample ID: 200-67137-6

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
Freon 22	0.41	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.54		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	1.7		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
Acetone	9.5		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.6		0.50	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.20	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
Methyl Ethyl Ketone	6.9		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.044		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.066	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.31		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 isobutyl ketone	0.20	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Toluene	0.77		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.33	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.81		0.20	0.052	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: AMBIENT (Continued)

Lab Sample ID: 200-67137-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m,p-Xylene	0.92		0.50	0.095	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.51		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Xylene (total)	1.4		0.70	0.052	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.13	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.15	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.26		0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.84		0.20	0.080	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	4.9		0.20	0.061	ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.22		0.20	0.089	ppb v/v	1		TO-15	Total/NA
Naphthalene	28		0.50	0.30	ppb v/v	1		TO-15	Total/NA
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
Freon 22	1.5	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	4.0		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	0.98	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	23		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	8.2		1.6	0.40	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.69	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	0.47	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	20		1.5	1.4	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.28		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.31	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.0		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 isobutyl ketone	0.83	J	2.0	0.53	ug/m3	1		TO-15	Total/NA
Toluene	2.9		0.75	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.4	J	2.0	0.61	ug/m3	1		TO-15	Total/NA
Ethylbenzene	3.5		0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.0		2.2	0.41	ug/m3	1		TO-15	Total/NA
Xylene, o-	2.2		0.87	0.23	ug/m3	1		TO-15	Total/NA
Xylene (total)	6.2		3.0	0.23	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.65	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.75	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.3		0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.1		0.98	0.39	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	27		1.1	0.33	ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	1.3		1.2	0.54	ug/m3	1		TO-15	Total/NA
Naphthalene	150		2.6	1.6	ug/m3	1		TO-15	Total/NA

Client Sample ID: SG-12

Lab Sample ID: 200-67137-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.61	J	2.0	0.42	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	0.57	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene, o-	0.59	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene (total)	0.59	J	7.0	0.52	ppb v/v	10		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	2.3	J	7.5	1.6	ug/m3	10		TO-15	Total/NA
Ethylbenzene	2.5	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene, o-	2.6	J	8.7	2.3	ug/m3	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-12 (Continued)

Lab Sample ID: 200-67137-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylene (total)	2.6	J	30	2.3	ug/m3	10		TO-15	Total/NA

Client Sample ID: VMP-2R

Lab Sample ID: 200-67137-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.46	J	2.0	0.44	ppb v/v	10		TO-15	Total/NA
Trichloroethene	1.3		0.35	0.25	ppb v/v	10		TO-15	Total/NA
Toluene	0.92	J	2.0	0.42	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene	8.7		2.0	0.21	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	0.61	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene, o-	0.56	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene (total)	0.56	J	7.0	0.52	ppb v/v	10		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5	J	6.4	1.4	ug/m3	10		TO-15	Total/NA
Trichloroethene	7.2		1.9	1.3	ug/m3	10		TO-15	Total/NA
Toluene	3.5	J	7.5	1.6	ug/m3	10		TO-15	Total/NA
Tetrachloroethene	59		14	1.4	ug/m3	10		TO-15	Total/NA
Ethylbenzene	2.7	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene, o-	2.4	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene (total)	2.4	J	30	2.3	ug/m3	10		TO-15	Total/NA

Client Sample ID: SG-6

Lab Sample ID: 200-67137-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Freon 22	1.5	J	5.0	1.2	ppb v/v	10		TO-15	Total/NA
Acetone	18	J	50	16	ppb v/v	10		TO-15	Total/NA
Methylene Chloride	2.3	J	5.0	1.8	ppb v/v	10		TO-15	Total/NA
n-Hexane	1.2	J	5.0	1.1	ppb v/v	10		TO-15	Total/NA
Benzene	0.57	J	2.0	0.44	ppb v/v	10		TO-15	Total/NA
Toluene	1.2	J	2.0	0.42	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene	0.62	J	2.0	0.21	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	0.70	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene, o-	0.82	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene (total)	0.82	J	7.0	0.52	ppb v/v	10		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Freon 22	5.3	J	18	4.2	ug/m3	10		TO-15	Total/NA
Acetone	43	J	120	38	ug/m3	10		TO-15	Total/NA
Methylene Chloride	8.1	J	17	6.3	ug/m3	10		TO-15	Total/NA
n-Hexane	4.4	J	18	3.9	ug/m3	10		TO-15	Total/NA
Benzene	1.8	J	6.4	1.4	ug/m3	10		TO-15	Total/NA
Toluene	4.6	J	7.5	1.6	ug/m3	10		TO-15	Total/NA
Tetrachloroethene	4.2	J	14	1.4	ug/m3	10		TO-15	Total/NA
Ethylbenzene	3.1	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene, o-	3.6	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene (total)	3.6	J	30	2.3	ug/m3	10		TO-15	Total/NA

Client Sample ID: SG-4

Lab Sample ID: 200-67137-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.0	J	5.0	1.8	ppb v/v	10		TO-15	Total/NA
n-Hexane	1.9	J	5.0	1.1	ppb v/v	10		TO-15	Total/NA
Benzene	0.72	J	2.0	0.44	ppb v/v	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-4 (Continued)

Lab Sample ID: 200-67137-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.9	J	2.0	0.42	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	0.60	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene, o-	0.68	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene (total)	0.68	J	7.0	0.52	ppb v/v	10		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	14	J	17	6.3	ug/m3	10		TO-15	Total/NA
n-Hexane	6.6	J	18	3.9	ug/m3	10		TO-15	Total/NA
Benzene	2.3	J	6.4	1.4	ug/m3	10		TO-15	Total/NA
Toluene	7.2	J	7.5	1.6	ug/m3	10		TO-15	Total/NA
Ethylbenzene	2.6	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene, o-	3.0	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene (total)	3.0	J	30	2.3	ug/m3	10		TO-15	Total/NA

Client Sample ID: SG-11

Lab Sample ID: 200-67137-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	20		5.0	1.3	ppb v/v	10		TO-15	Total/NA
Benzene	0.44	J	2.0	0.44	ppb v/v	10		TO-15	Total/NA
Toluene	1.0	J	2.0	0.42	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene	1.7	J	2.0	0.21	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	0.63	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene, o-	0.56	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene (total)	0.56	J	7.0	0.52	ppb v/v	10		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	61		16	4.0	ug/m3	10		TO-15	Total/NA
Benzene	1.4	J	6.4	1.4	ug/m3	10		TO-15	Total/NA
Toluene	3.9	J	7.5	1.6	ug/m3	10		TO-15	Total/NA
Tetrachloroethene	12	J	14	1.4	ug/m3	10		TO-15	Total/NA
Ethylbenzene	2.7	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene, o-	2.4	J	8.7	2.3	ug/m3	10		TO-15	Total/NA
Xylene (total)	2.4	J	30	2.3	ug/m3	10		TO-15	Total/NA

Client Sample ID: VMP-3R

Lab Sample ID: 200-67137-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.43	J	2.0	0.42	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene	3.7		2.0	0.21	ppb v/v	10		TO-15	Total/NA
Naphthalene	7.1		5.0	3.0	ppb v/v	10		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.6	J	7.5	1.6	ug/m3	10		TO-15	Total/NA
Tetrachloroethene	25		14	1.4	ug/m3	10		TO-15	Total/NA
Naphthalene	37		26	16	ug/m3	10		TO-15	Total/NA

Client Sample ID: VMP-4R

Lab Sample ID: 200-67137-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Hexane	1.5	J	5.0	1.1	ppb v/v	10		TO-15	Total/NA
Trichloroethene	0.30	J	0.35	0.25	ppb v/v	10		TO-15	Total/NA
Toluene	0.63	J	2.0	0.42	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene	22		2.0	0.21	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	0.58	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA
Xylene, o-	0.57	J	2.0	0.52	ppb v/v	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-4R (Continued)

Lab Sample ID: 200-67137-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Xylene (total)	0.57	J	7.0	0.52	ppb v/v	10			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
n-Hexane	5.4	J	18	3.9	ug/m3	10			TO-15	Total/NA
Trichloroethene	1.6	J	1.9	1.3	ug/m3	10			TO-15	Total/NA
Toluene	2.4	J	7.5	1.6	ug/m3	10			TO-15	Total/NA
Tetrachloroethene	150		14	1.4	ug/m3	10			TO-15	Total/NA
Ethylbenzene	2.5	J	8.7	2.3	ug/m3	10			TO-15	Total/NA
Xylene, o-	2.5	J	8.7	2.3	ug/m3	10			TO-15	Total/NA
Xylene (total)	2.5	J	30	2.3	ug/m3	10			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-1

Lab Sample ID: 200-67137-1

Date Collected: 03/02/23 15:18

Matrix: Air

Date Received: 03/04/23 10:25

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	1.5		0.50	0.11	ppb v/v			03/20/23 00:49	1
Freon 22	1.4		0.50	0.12	ppb v/v			03/20/23 00:49	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			03/20/23 00:49	1
Chloromethane	0.53		0.50	0.15	ppb v/v			03/20/23 00:49	1
n-Butane	1.2		0.50	0.20	ppb v/v			03/20/23 00:49	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			03/20/23 00:49	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			03/20/23 00:49	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			03/20/23 00:49	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			03/20/23 00:49	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			03/20/23 00:49	1
Trichlorofluoromethane	0.19	J	0.20	0.050	ppb v/v			03/20/23 00:49	1
Freon TF	0.056	J	0.20	0.053	ppb v/v			03/20/23 00:49	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			03/20/23 00:49	1
Acetone	9.5		5.0	1.6	ppb v/v			03/20/23 00:49	1
Isopropyl alcohol	3.4	J	5.0	1.6	ppb v/v			03/20/23 00:49	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			03/20/23 00:49	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			03/20/23 00:49	1
Methylene Chloride	0.32	J	0.50	0.18	ppb v/v			03/20/23 00:49	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			03/20/23 00:49	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			03/20/23 00:49	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			03/20/23 00:49	1
n-Hexane	0.25	J	0.50	0.11	ppb v/v			03/20/23 00:49	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			03/20/23 00:49	1
Methyl Ethyl Ketone	0.88		0.50	0.49	ppb v/v			03/20/23 00:49	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			03/20/23 00:49	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			03/20/23 00:49	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			03/20/23 00:49	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			03/20/23 00:49	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			03/20/23 00:49	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			03/20/23 00:49	1
Carbon tetrachloride	0.045		0.035	0.022	ppb v/v			03/20/23 00:49	1
2,2,4-Trimethylpentane	0.047	J	0.20	0.038	ppb v/v			03/20/23 00:49	1
Benzene	0.22		0.20	0.044	ppb v/v			03/20/23 00:49	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			03/20/23 00:49	1
n-Heptane	0.11	J	0.20	0.055	ppb v/v			03/20/23 00:49	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			03/20/23 00:49	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			03/20/23 00:49	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			03/20/23 00:49	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			03/20/23 00:49	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			03/20/23 00:49	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			03/20/23 00:49	1
methyl isobutyl ketone	0.50	U	0.50	0.13	ppb v/v			03/20/23 00:49	1
Toluene	0.85		0.20	0.042	ppb v/v			03/20/23 00:49	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			03/20/23 00:49	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			03/20/23 00:49	1
Tetrachloroethene	0.031	J	0.20	0.021	ppb v/v			03/20/23 00:49	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			03/20/23 00:49	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			03/20/23 00:49	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-1

Lab Sample ID: 200-67137-1

Date Collected: 03/02/23 15:18

Matrix: Air

Date Received: 03/04/23 10:25

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	0.20	U	0.20	0.042	ppb v/v			03/20/23 00:49	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			03/20/23 00:49	1
Ethylbenzene	0.19	J	0.20	0.052	ppb v/v			03/20/23 00:49	1
m,p-Xylene	0.56		0.50	0.095	ppb v/v			03/20/23 00:49	1
Xylene, o-	0.24		0.20	0.052	ppb v/v			03/20/23 00:49	1
Xylene (total)	0.80		0.70	0.052	ppb v/v			03/20/23 00:49	1
Styrene	0.20	U	0.20	0.059	ppb v/v			03/20/23 00:49	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			03/20/23 00:49	1
Cumene	0.20	U	0.20	0.041	ppb v/v			03/20/23 00:49	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/20/23 00:49	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 00:49	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			03/20/23 00:49	1
1,3,5-Trimethylbenzene	0.050	J	0.20	0.047	ppb v/v			03/20/23 00:49	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			03/20/23 00:49	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 00:49	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			03/20/23 00:49	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			03/20/23 00:49	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			03/20/23 00:49	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			03/20/23 00:49	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			03/20/23 00:49	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			03/20/23 00:49	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			03/20/23 00:49	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			03/20/23 00:49	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			03/20/23 00:49	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			03/20/23 00:49	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			03/20/23 00:49	1
1,2,3-Trichlorobenzene	0.50	U	0.50	0.32	ppb v/v			03/20/23 00:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	7.5		2.5	0.54	ug/m3			03/20/23 00:49	1
Freon 22	5.0		1.8	0.42	ug/m3			03/20/23 00:49	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			03/20/23 00:49	1
Chloromethane	1.1		1.0	0.31	ug/m3			03/20/23 00:49	1
n-Butane	2.8		1.2	0.48	ug/m3			03/20/23 00:49	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			03/20/23 00:49	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			03/20/23 00:49	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			03/20/23 00:49	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			03/20/23 00:49	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			03/20/23 00:49	1
Trichlorofluoromethane	1.1	J	1.1	0.28	ug/m3			03/20/23 00:49	1
Freon TF	0.43	J	1.5	0.41	ug/m3			03/20/23 00:49	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			03/20/23 00:49	1
Acetone	22		12	3.8	ug/m3			03/20/23 00:49	1
Isopropyl alcohol	8.3	J	12	3.9	ug/m3			03/20/23 00:49	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			03/20/23 00:49	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			03/20/23 00:49	1
Methylene Chloride	1.1	J	1.7	0.63	ug/m3			03/20/23 00:49	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			03/20/23 00:49	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			03/20/23 00:49	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-1

Lab Sample ID: 200-67137-1

Date Collected: 03/02/23 15:18

Matrix: Air

Date Received: 03/04/23 10:25

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			03/20/23 00:49	1
n-Hexane	0.87	J	1.8	0.39	ug/m3			03/20/23 00:49	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			03/20/23 00:49	1
Methyl Ethyl Ketone	2.6		1.5	1.4	ug/m3			03/20/23 00:49	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			03/20/23 00:49	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			03/20/23 00:49	1
Chloroform	0.98	U	0.98	0.20	ug/m3			03/20/23 00:49	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			03/20/23 00:49	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			03/20/23 00:49	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			03/20/23 00:49	1
Carbon tetrachloride	0.28		0.22	0.14	ug/m3			03/20/23 00:49	1
2,2,4-Trimethylpentane	0.22	J	0.93	0.18	ug/m3			03/20/23 00:49	1
Benzene	0.71		0.64	0.14	ug/m3			03/20/23 00:49	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			03/20/23 00:49	1
n-Heptane	0.47	J	0.82	0.23	ug/m3			03/20/23 00:49	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			03/20/23 00:49	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			03/20/23 00:49	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			03/20/23 00:49	1
1,4-Dioxane	18	U	18	4.7	ug/m3			03/20/23 00:49	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			03/20/23 00:49	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			03/20/23 00:49	1
methyl isobutyl ketone	2.0	U	2.0	0.53	ug/m3			03/20/23 00:49	1
Toluene	3.2		0.75	0.16	ug/m3			03/20/23 00:49	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			03/20/23 00:49	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			03/20/23 00:49	1
Tetrachloroethene	0.21	J	1.4	0.14	ug/m3			03/20/23 00:49	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			03/20/23 00:49	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			03/20/23 00:49	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			03/20/23 00:49	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			03/20/23 00:49	1
Ethylbenzene	0.81	J	0.87	0.23	ug/m3			03/20/23 00:49	1
m,p-Xylene	2.4		2.2	0.41	ug/m3			03/20/23 00:49	1
Xylene, o-	1.0		0.87	0.23	ug/m3			03/20/23 00:49	1
Xylene (total)	3.5		3.0	0.23	ug/m3			03/20/23 00:49	1
Styrene	0.85	U	0.85	0.25	ug/m3			03/20/23 00:49	1
Bromoform	2.1	U	2.1	1.2	ug/m3			03/20/23 00:49	1
Cumene	0.98	U	0.98	0.20	ug/m3			03/20/23 00:49	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/20/23 00:49	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			03/20/23 00:49	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			03/20/23 00:49	1
1,3,5-Trimethylbenzene	0.25	J	0.98	0.23	ug/m3			03/20/23 00:49	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			03/20/23 00:49	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			03/20/23 00:49	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			03/20/23 00:49	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			03/20/23 00:49	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			03/20/23 00:49	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			03/20/23 00:49	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			03/20/23 00:49	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-1

Lab Sample ID: 200-67137-1

Date Collected: 03/02/23 15:18

Matrix: Air

Date Received: 03/04/23 10:25

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
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			03/20/23 00:49	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			03/20/23 00:49	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			03/20/23 00:49	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 00:49	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			03/20/23 00:49	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			03/20/23 00:49	1
1,2,3-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 00:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl Acetate	1.1	J N	ppb v/v		8.92	141-78-6		03/20/23 00:49	1

Client Sample ID: BANK-2

Lab Sample ID: 200-67137-2

Date Collected: 03/02/23 14:45

Matrix: Air

Date Received: 03/04/23 10:25

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	1.1		0.50	0.11	ppb v/v			03/20/23 01:41	1
Freon 22	2.4		0.50	0.12	ppb v/v			03/20/23 01:41	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			03/20/23 01:41	1
Chloromethane	0.52		0.50	0.15	ppb v/v			03/20/23 01:41	1
n-Butane	1.1		0.50	0.20	ppb v/v			03/20/23 01:41	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			03/20/23 01:41	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			03/20/23 01:41	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			03/20/23 01:41	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			03/20/23 01:41	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			03/20/23 01:41	1
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v			03/20/23 01:41	1
Freon TF	0.057	J	0.20	0.053	ppb v/v			03/20/23 01:41	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			03/20/23 01:41	1
Acetone	6.9		5.0	1.6	ppb v/v			03/20/23 01:41	1
Isopropyl alcohol	2.9	J	5.0	1.6	ppb v/v			03/20/23 01:41	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			03/20/23 01:41	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			03/20/23 01:41	1
Methylene Chloride	0.66		0.50	0.18	ppb v/v			03/20/23 01:41	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			03/20/23 01:41	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			03/20/23 01:41	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			03/20/23 01:41	1
n-Hexane	0.53		0.50	0.11	ppb v/v			03/20/23 01:41	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			03/20/23 01:41	1
Methyl Ethyl Ketone	0.50	U	0.50	0.49	ppb v/v			03/20/23 01:41	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			03/20/23 01:41	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			03/20/23 01:41	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			03/20/23 01:41	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			03/20/23 01:41	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			03/20/23 01:41	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			03/20/23 01:41	1
Carbon tetrachloride	0.048		0.035	0.022	ppb v/v			03/20/23 01:41	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-2

Lab Sample ID: 200-67137-2

Date Collected: 03/02/23 14:45

Matrix: Air

Date Received: 03/04/23 10:25

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
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			03/20/23 01:41	1
Benzene	0.20		0.20	0.044	ppb v/v			03/20/23 01:41	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			03/20/23 01:41	1
n-Heptane	0.11	J	0.20	0.055	ppb v/v			03/20/23 01:41	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			03/20/23 01:41	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			03/20/23 01:41	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			03/20/23 01:41	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			03/20/23 01:41	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			03/20/23 01:41	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			03/20/23 01:41	1
methyl isobutyl ketone	0.50	U	0.50	0.13	ppb v/v			03/20/23 01:41	1
Toluene	0.53		0.20	0.042	ppb v/v			03/20/23 01:41	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			03/20/23 01:41	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			03/20/23 01:41	1
Tetrachloroethene	0.046	J	0.20	0.021	ppb v/v			03/20/23 01:41	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			03/20/23 01:41	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			03/20/23 01:41	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			03/20/23 01:41	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			03/20/23 01:41	1
Ethylbenzene	0.12	J	0.20	0.052	ppb v/v			03/20/23 01:41	1
m,p-Xylene	0.27	J	0.50	0.095	ppb v/v			03/20/23 01:41	1
Xylene, o-	0.15	J	0.20	0.052	ppb v/v			03/20/23 01:41	1
Xylene (total)	0.42	J	0.70	0.052	ppb v/v			03/20/23 01:41	1
Styrene	0.20	U	0.20	0.059	ppb v/v			03/20/23 01:41	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			03/20/23 01:41	1
Cumene	0.20	U	0.20	0.041	ppb v/v			03/20/23 01:41	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/20/23 01:41	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 01:41	1
4-Ethyltoluene	0.049	J	0.20	0.049	ppb v/v			03/20/23 01:41	1
1,3,5-Trimethylbenzene	0.061	J	0.20	0.047	ppb v/v			03/20/23 01:41	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			03/20/23 01:41	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 01:41	1
1,2,4-Trimethylbenzene	0.19	J	0.20	0.080	ppb v/v			03/20/23 01:41	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			03/20/23 01:41	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			03/20/23 01:41	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			03/20/23 01:41	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			03/20/23 01:41	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			03/20/23 01:41	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			03/20/23 01:41	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			03/20/23 01:41	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			03/20/23 01:41	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			03/20/23 01:41	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			03/20/23 01:41	1
1,2,3-Trichlorobenzene	0.50	U	0.50	0.32	ppb v/v			03/20/23 01:41	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.3		2.5	0.54	ug/m3			03/20/23 01:41	1
Freon 22	8.4		1.8	0.42	ug/m3			03/20/23 01:41	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			03/20/23 01:41	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-2

Lab Sample ID: 200-67137-2

Date Collected: 03/02/23 14:45

Matrix: Air

Date Received: 03/04/23 10:25

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
Chloromethane	1.1		1.0	0.31	ug/m3			03/20/23 01:41	1
n-Butane	2.7		1.2	0.48	ug/m3			03/20/23 01:41	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			03/20/23 01:41	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			03/20/23 01:41	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			03/20/23 01:41	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			03/20/23 01:41	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			03/20/23 01:41	1
Trichlorofluoromethane	0.96 J		1.1	0.28	ug/m3			03/20/23 01:41	1
Freon TF	0.43 J		1.5	0.41	ug/m3			03/20/23 01:41	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			03/20/23 01:41	1
Acetone	16		12	3.8	ug/m3			03/20/23 01:41	1
Isopropyl alcohol	7.2 J		12	3.9	ug/m3			03/20/23 01:41	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			03/20/23 01:41	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			03/20/23 01:41	1
Methylene Chloride	2.3		1.7	0.63	ug/m3			03/20/23 01:41	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			03/20/23 01:41	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			03/20/23 01:41	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			03/20/23 01:41	1
n-Hexane	1.9		1.8	0.39	ug/m3			03/20/23 01:41	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			03/20/23 01:41	1
Methyl Ethyl Ketone	1.5	U	1.5	1.4	ug/m3			03/20/23 01:41	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			03/20/23 01:41	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			03/20/23 01:41	1
Chloroform	0.98	U	0.98	0.20	ug/m3			03/20/23 01:41	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			03/20/23 01:41	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			03/20/23 01:41	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			03/20/23 01:41	1
Carbon tetrachloride	0.30		0.22	0.14	ug/m3			03/20/23 01:41	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			03/20/23 01:41	1
Benzene	0.65		0.64	0.14	ug/m3			03/20/23 01:41	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			03/20/23 01:41	1
n-Heptane	0.44 J		0.82	0.23	ug/m3			03/20/23 01:41	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			03/20/23 01:41	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			03/20/23 01:41	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			03/20/23 01:41	1
1,4-Dioxane	18	U	18	4.7	ug/m3			03/20/23 01:41	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			03/20/23 01:41	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			03/20/23 01:41	1
methyl isobutyl ketone	2.0	U	2.0	0.53	ug/m3			03/20/23 01:41	1
Toluene	2.0		0.75	0.16	ug/m3			03/20/23 01:41	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			03/20/23 01:41	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			03/20/23 01:41	1
Tetrachloroethene	0.31 J		1.4	0.14	ug/m3			03/20/23 01:41	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			03/20/23 01:41	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			03/20/23 01:41	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			03/20/23 01:41	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			03/20/23 01:41	1
Ethylbenzene	0.51 J		0.87	0.23	ug/m3			03/20/23 01:41	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-2

Lab Sample ID: 200-67137-2

Date Collected: 03/02/23 14:45

Matrix: Air

Date Received: 03/04/23 10:25

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
m,p-Xylene	1.2	J	2.2	0.41	ug/m3			03/20/23 01:41	1
Xylene, o-	0.64	J	0.87	0.23	ug/m3			03/20/23 01:41	1
Xylene (total)	1.8	J	3.0	0.23	ug/m3			03/20/23 01:41	1
Styrene	0.85	U	0.85	0.25	ug/m3			03/20/23 01:41	1
Bromoform	2.1	U	2.1	1.2	ug/m3			03/20/23 01:41	1
Cumene	0.98	U	0.98	0.20	ug/m3			03/20/23 01:41	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/20/23 01:41	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			03/20/23 01:41	1
4-Ethyltoluene	0.24	J	0.98	0.24	ug/m3			03/20/23 01:41	1
1,3,5-Trimethylbenzene	0.30	J	0.98	0.23	ug/m3			03/20/23 01:41	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			03/20/23 01:41	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			03/20/23 01:41	1
1,2,4-Trimethylbenzene	0.92	J	0.98	0.39	ug/m3			03/20/23 01:41	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			03/20/23 01:41	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			03/20/23 01:41	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			03/20/23 01:41	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			03/20/23 01:41	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			03/20/23 01:41	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			03/20/23 01:41	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			03/20/23 01:41	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 01:41	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			03/20/23 01:41	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			03/20/23 01:41	1
1,2,3-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 01:41	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl Acetate	1.6	J N	ppb v/v		8.92	141-78-6		03/20/23 01:41	1

Client Sample ID: CLEANER-1

Lab Sample ID: 200-67137-3

Date Collected: 03/02/23 15:48

Matrix: Air

Date Received: 03/04/23 10:25

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	0.44	J	0.50	0.11	ppb v/v			03/20/23 02:34	1
Freon 22	0.57		0.50	0.12	ppb v/v			03/20/23 02:34	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			03/20/23 02:34	1
Chloromethane	0.55		0.50	0.15	ppb v/v			03/20/23 02:34	1
n-Butane	8.2		0.50	0.20	ppb v/v			03/20/23 02:34	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			03/20/23 02:34	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			03/20/23 02:34	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			03/20/23 02:34	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			03/20/23 02:34	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			03/20/23 02:34	1
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v			03/20/23 02:34	1
Freon TF	0.054	J	0.20	0.053	ppb v/v			03/20/23 02:34	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			03/20/23 02:34	1
Acetone	4.9	J	5.0	1.6	ppb v/v			03/20/23 02:34	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-1

Lab Sample ID: 200-67137-3

Date Collected: 03/02/23 15:48

Matrix: Air

Date Received: 03/04/23 10:25

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
Isopropyl alcohol	4.1	J	5.0	1.6	ppb v/v			03/20/23 02:34	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			03/20/23 02:34	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			03/20/23 02:34	1
Methylene Chloride	0.26	J	0.50	0.18	ppb v/v			03/20/23 02:34	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			03/20/23 02:34	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			03/20/23 02:34	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			03/20/23 02:34	1
n-Hexane	0.20	J	0.50	0.11	ppb v/v			03/20/23 02:34	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			03/20/23 02:34	1
Methyl Ethyl Ketone	0.50	U	0.50	0.49	ppb v/v			03/20/23 02:34	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			03/20/23 02:34	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			03/20/23 02:34	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			03/20/23 02:34	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			03/20/23 02:34	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			03/20/23 02:34	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			03/20/23 02:34	1
Carbon tetrachloride	0.041		0.035	0.022	ppb v/v			03/20/23 02:34	1
2,2,4-Trimethylpentane	0.056	J	0.20	0.038	ppb v/v			03/20/23 02:34	1
Benzene	0.23		0.20	0.044	ppb v/v			03/20/23 02:34	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			03/20/23 02:34	1
n-Heptane	0.18	J	0.20	0.055	ppb v/v			03/20/23 02:34	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			03/20/23 02:34	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			03/20/23 02:34	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			03/20/23 02:34	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			03/20/23 02:34	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			03/20/23 02:34	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			03/20/23 02:34	1
methyl isobutyl ketone	0.50	U	0.50	0.13	ppb v/v			03/20/23 02:34	1
Toluene	0.42		0.20	0.042	ppb v/v			03/20/23 02:34	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			03/20/23 02:34	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			03/20/23 02:34	1
Tetrachloroethene	0.063	J	0.20	0.021	ppb v/v			03/20/23 02:34	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			03/20/23 02:34	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			03/20/23 02:34	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			03/20/23 02:34	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			03/20/23 02:34	1
Ethylbenzene	0.12	J	0.20	0.052	ppb v/v			03/20/23 02:34	1
m,p-Xylene	0.21	J	0.50	0.095	ppb v/v			03/20/23 02:34	1
Xylene, o-	0.12	J	0.20	0.052	ppb v/v			03/20/23 02:34	1
Xylene (total)	0.33	J	0.70	0.052	ppb v/v			03/20/23 02:34	1
Styrene	0.20	U	0.20	0.059	ppb v/v			03/20/23 02:34	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			03/20/23 02:34	1
Cumene	0.20	U	0.20	0.041	ppb v/v			03/20/23 02:34	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/20/23 02:34	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 02:34	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			03/20/23 02:34	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 02:34	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			03/20/23 02:34	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-1

Lab Sample ID: 200-67137-3

Date Collected: 03/02/23 15:48

Matrix: Air

Date Received: 03/04/23 10:25

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	0.20	U	0.20	0.047	ppb v/v			03/20/23 02:34	1
1,2,4-Trimethylbenzene	0.13	J	0.20	0.080	ppb v/v			03/20/23 02:34	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			03/20/23 02:34	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			03/20/23 02:34	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			03/20/23 02:34	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			03/20/23 02:34	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			03/20/23 02:34	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			03/20/23 02:34	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			03/20/23 02:34	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			03/20/23 02:34	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			03/20/23 02:34	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			03/20/23 02:34	1
1,2,3-Trichlorobenzene	0.50	U	0.50	0.32	ppb v/v			03/20/23 02:34	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.2	J	2.5	0.54	ug/m3			03/20/23 02:34	1
Freon 22	2.0		1.8	0.42	ug/m3			03/20/23 02:34	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			03/20/23 02:34	1
Chloromethane	1.1		1.0	0.31	ug/m3			03/20/23 02:34	1
n-Butane	20		1.2	0.48	ug/m3			03/20/23 02:34	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			03/20/23 02:34	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			03/20/23 02:34	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			03/20/23 02:34	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			03/20/23 02:34	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			03/20/23 02:34	1
Trichlorofluoromethane	0.95	J	1.1	0.28	ug/m3			03/20/23 02:34	1
Freon TF	0.42	J	1.5	0.41	ug/m3			03/20/23 02:34	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			03/20/23 02:34	1
Acetone	12	J	12	3.8	ug/m3			03/20/23 02:34	1
Isopropyl alcohol	10	J	12	3.9	ug/m3			03/20/23 02:34	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			03/20/23 02:34	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			03/20/23 02:34	1
Methylene Chloride	0.91	J	1.7	0.63	ug/m3			03/20/23 02:34	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			03/20/23 02:34	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			03/20/23 02:34	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			03/20/23 02:34	1
n-Hexane	0.70	J	1.8	0.39	ug/m3			03/20/23 02:34	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			03/20/23 02:34	1
Methyl Ethyl Ketone	1.5	U	1.5	1.4	ug/m3			03/20/23 02:34	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			03/20/23 02:34	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			03/20/23 02:34	1
Chloroform	0.98	U	0.98	0.20	ug/m3			03/20/23 02:34	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			03/20/23 02:34	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			03/20/23 02:34	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			03/20/23 02:34	1
Carbon tetrachloride	0.26		0.22	0.14	ug/m3			03/20/23 02:34	1
2,2,4-Trimethylpentane	0.26	J	0.93	0.18	ug/m3			03/20/23 02:34	1
Benzene	0.74		0.64	0.14	ug/m3			03/20/23 02:34	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			03/20/23 02:34	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-1

Lab Sample ID: 200-67137-3

Date Collected: 03/02/23 15:48

Matrix: Air

Date Received: 03/04/23 10:25

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	0.75	J	0.82	0.23	ug/m3			03/20/23 02:34	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			03/20/23 02:34	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			03/20/23 02:34	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			03/20/23 02:34	1
1,4-Dioxane	18	U	18	4.7	ug/m3			03/20/23 02:34	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			03/20/23 02:34	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			03/20/23 02:34	1
methyl isobutyl ketone	2.0	U	2.0	0.53	ug/m3			03/20/23 02:34	1
Toluene	1.6		0.75	0.16	ug/m3			03/20/23 02:34	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			03/20/23 02:34	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			03/20/23 02:34	1
Tetrachloroethene	0.43	J	1.4	0.14	ug/m3			03/20/23 02:34	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			03/20/23 02:34	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			03/20/23 02:34	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			03/20/23 02:34	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			03/20/23 02:34	1
Ethylbenzene	0.50	J	0.87	0.23	ug/m3			03/20/23 02:34	1
m,p-Xylene	0.93	J	2.2	0.41	ug/m3			03/20/23 02:34	1
Xylene, o-	0.53	J	0.87	0.23	ug/m3			03/20/23 02:34	1
Xylene (total)	1.4	J	3.0	0.23	ug/m3			03/20/23 02:34	1
Styrene	0.85	U	0.85	0.25	ug/m3			03/20/23 02:34	1
Bromoform	2.1	U	2.1	1.2	ug/m3			03/20/23 02:34	1
Cumene	0.98	U	0.98	0.20	ug/m3			03/20/23 02:34	1
1,1,1,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/20/23 02:34	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			03/20/23 02:34	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			03/20/23 02:34	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			03/20/23 02:34	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			03/20/23 02:34	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			03/20/23 02:34	1
1,2,4-Trimethylbenzene	0.63	J	0.98	0.39	ug/m3			03/20/23 02:34	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			03/20/23 02:34	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			03/20/23 02:34	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			03/20/23 02:34	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			03/20/23 02:34	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			03/20/23 02:34	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			03/20/23 02:34	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			03/20/23 02:34	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 02:34	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			03/20/23 02:34	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			03/20/23 02:34	1
1,2,3-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 02:34	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1.0	J	ppb v/v		3.10	N/A		03/20/23 02:34	1
Unknown	2.3	J	ppb v/v		5.18	N/A		03/20/23 02:34	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-2

Lab Sample ID: 200-67137-4

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

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	0.47	J	0.50	0.11	ppb v/v			03/20/23 17:00	1
Freon 22	0.97		0.50	0.12	ppb v/v			03/20/23 17:00	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			03/20/23 17:00	1
Chloromethane	0.50		0.50	0.15	ppb v/v			03/20/23 17:00	1
n-Butane	9.7		0.50	0.20	ppb v/v			03/20/23 17:00	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			03/20/23 17:00	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			03/20/23 17:00	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			03/20/23 17:00	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			03/20/23 17:00	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			03/20/23 17:00	1
Trichlorofluoromethane	0.19	J	0.20	0.050	ppb v/v			03/20/23 17:00	1
Freon TF	0.054	J	0.20	0.053	ppb v/v			03/20/23 17:00	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			03/20/23 17:00	1
Acetone	5.4		5.0	1.6	ppb v/v			03/20/23 17:00	1
Isopropyl alcohol	11		5.0	1.6	ppb v/v			03/20/23 17:00	1
Carbon disulfide	1.1		0.50	0.13	ppb v/v			03/20/23 17:00	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			03/20/23 17:00	1
Methylene Chloride	0.35	J	0.50	0.18	ppb v/v			03/20/23 17:00	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			03/20/23 17:00	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			03/20/23 17:00	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			03/20/23 17:00	1
n-Hexane	0.33	J	0.50	0.11	ppb v/v			03/20/23 17:00	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			03/20/23 17:00	1
Methyl Ethyl Ketone	0.54		0.50	0.49	ppb v/v			03/20/23 17:00	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			03/20/23 17:00	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			03/20/23 17:00	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			03/20/23 17:00	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			03/20/23 17:00	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			03/20/23 17:00	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			03/20/23 17:00	1
Carbon tetrachloride	0.044		0.035	0.022	ppb v/v			03/20/23 17:00	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			03/20/23 17:00	1
Benzene	0.22		0.20	0.044	ppb v/v			03/20/23 17:00	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			03/20/23 17:00	1
n-Heptane	0.25		0.20	0.055	ppb v/v			03/20/23 17:00	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			03/20/23 17:00	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			03/20/23 17:00	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			03/20/23 17:00	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			03/20/23 17:00	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			03/20/23 17:00	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			03/20/23 17:00	1
methyl isobutyl ketone	0.50	U	0.50	0.13	ppb v/v			03/20/23 17:00	1
Toluene	0.39		0.20	0.042	ppb v/v			03/20/23 17:00	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			03/20/23 17:00	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			03/20/23 17:00	1
Tetrachloroethene	0.028	J	0.20	0.021	ppb v/v			03/20/23 17:00	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			03/20/23 17:00	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			03/20/23 17:00	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-2

Lab Sample ID: 200-67137-4

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

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	0.20	U	0.20	0.042	ppb v/v			03/20/23 17:00	1
Chlorobenzene	0.088	J	0.20	0.044	ppb v/v			03/20/23 17:00	1
Ethylbenzene	0.14	J	0.20	0.052	ppb v/v			03/20/23 17:00	1
m,p-Xylene	0.27	J	0.50	0.095	ppb v/v			03/20/23 17:00	1
Xylene, o-	0.15	J	0.20	0.052	ppb v/v			03/20/23 17:00	1
Xylene (total)	0.42	J	0.70	0.052	ppb v/v			03/20/23 17:00	1
Styrene	0.20	U	0.20	0.059	ppb v/v			03/20/23 17:00	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			03/20/23 17:00	1
Cumene	0.043	J	0.20	0.041	ppb v/v			03/20/23 17:00	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/20/23 17:00	1
n-Propylbenzene	0.077	J	0.20	0.047	ppb v/v			03/20/23 17:00	1
4-Ethyltoluene	0.079	J	0.20	0.049	ppb v/v			03/20/23 17:00	1
1,3,5-Trimethylbenzene	0.093	J	0.20	0.047	ppb v/v			03/20/23 17:00	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			03/20/23 17:00	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 17:00	1
1,2,4-Trimethylbenzene	0.32		0.20	0.080	ppb v/v			03/20/23 17:00	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			03/20/23 17:00	1
4-Isopropyltoluene	0.086	J	0.20	0.061	ppb v/v			03/20/23 17:00	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			03/20/23 17:00	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			03/20/23 17:00	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			03/20/23 17:00	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			03/20/23 17:00	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			03/20/23 17:00	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			03/20/23 17:00	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			03/20/23 17:00	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			03/20/23 17:00	1
1,2,3-Trichlorobenzene	0.50	U	0.50	0.32	ppb v/v			03/20/23 17:00	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.3	J	2.5	0.54	ug/m3			03/20/23 17:00	1
Freon 22	3.4		1.8	0.42	ug/m3			03/20/23 17:00	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			03/20/23 17:00	1
Chloromethane	1.0		1.0	0.31	ug/m3			03/20/23 17:00	1
n-Butane	23		1.2	0.48	ug/m3			03/20/23 17:00	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			03/20/23 17:00	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			03/20/23 17:00	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			03/20/23 17:00	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			03/20/23 17:00	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			03/20/23 17:00	1
Trichlorofluoromethane	1.1	J	1.1	0.28	ug/m3			03/20/23 17:00	1
Freon TF	0.42	J	1.5	0.41	ug/m3			03/20/23 17:00	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			03/20/23 17:00	1
Acetone	13		12	3.8	ug/m3			03/20/23 17:00	1
Isopropyl alcohol	27		12	3.9	ug/m3			03/20/23 17:00	1
Carbon disulfide	3.3		1.6	0.40	ug/m3			03/20/23 17:00	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			03/20/23 17:00	1
Methylene Chloride	1.2	J	1.7	0.63	ug/m3			03/20/23 17:00	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			03/20/23 17:00	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			03/20/23 17:00	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-2

Lab Sample ID: 200-67137-4

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

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			03/20/23 17:00	1
n-Hexane	1.1	J	1.8	0.39	ug/m3			03/20/23 17:00	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			03/20/23 17:00	1
Methyl Ethyl Ketone	1.6		1.5	1.4	ug/m3			03/20/23 17:00	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			03/20/23 17:00	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			03/20/23 17:00	1
Chloroform	0.98	U	0.98	0.20	ug/m3			03/20/23 17:00	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			03/20/23 17:00	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			03/20/23 17:00	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			03/20/23 17:00	1
Carbon tetrachloride	0.28		0.22	0.14	ug/m3			03/20/23 17:00	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			03/20/23 17:00	1
Benzene	0.69		0.64	0.14	ug/m3			03/20/23 17:00	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			03/20/23 17:00	1
n-Heptane	1.0		0.82	0.23	ug/m3			03/20/23 17:00	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			03/20/23 17:00	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			03/20/23 17:00	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			03/20/23 17:00	1
1,4-Dioxane	18	U	18	4.7	ug/m3			03/20/23 17:00	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			03/20/23 17:00	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			03/20/23 17:00	1
methyl isobutyl ketone	2.0	U	2.0	0.53	ug/m3			03/20/23 17:00	1
Toluene	1.5		0.75	0.16	ug/m3			03/20/23 17:00	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			03/20/23 17:00	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			03/20/23 17:00	1
Tetrachloroethene	0.19	J	1.4	0.14	ug/m3			03/20/23 17:00	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			03/20/23 17:00	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			03/20/23 17:00	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			03/20/23 17:00	1
Chlorobenzene	0.41	J	0.92	0.20	ug/m3			03/20/23 17:00	1
Ethylbenzene	0.61	J	0.87	0.23	ug/m3			03/20/23 17:00	1
m,p-Xylene	1.2	J	2.2	0.41	ug/m3			03/20/23 17:00	1
Xylene, o-	0.65	J	0.87	0.23	ug/m3			03/20/23 17:00	1
Xylene (total)	1.8	J	3.0	0.23	ug/m3			03/20/23 17:00	1
Styrene	0.85	U	0.85	0.25	ug/m3			03/20/23 17:00	1
Bromoform	2.1	U	2.1	1.2	ug/m3			03/20/23 17:00	1
Cumene	0.21	J	0.98	0.20	ug/m3			03/20/23 17:00	1
1,1,1,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/20/23 17:00	1
n-Propylbenzene	0.38	J	0.98	0.23	ug/m3			03/20/23 17:00	1
4-Ethyltoluene	0.39	J	0.98	0.24	ug/m3			03/20/23 17:00	1
1,3,5-Trimethylbenzene	0.46	J	0.98	0.23	ug/m3			03/20/23 17:00	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			03/20/23 17:00	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			03/20/23 17:00	1
1,2,4-Trimethylbenzene	1.6		0.98	0.39	ug/m3			03/20/23 17:00	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			03/20/23 17:00	1
4-Isopropyltoluene	0.47	J	1.1	0.33	ug/m3			03/20/23 17:00	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			03/20/23 17:00	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			03/20/23 17:00	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-2

Lab Sample ID: 200-67137-4

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

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
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			03/20/23 17:00	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			03/20/23 17:00	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			03/20/23 17:00	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 17:00	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			03/20/23 17:00	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			03/20/23 17:00	1
1,2,3-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 17:00	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2.3	J	ppb v/v		5.16	N/A		03/20/23 17:00	1
Cyclotrisiloxane, hexamethyl-	1.2	J N	ppb v/v		15.12	541-05-9		03/20/23 17:00	1

Client Sample ID: CLEANER-3

Lab Sample ID: 200-67137-5

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

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	0.49	J	0.50	0.11	ppb v/v			03/20/23 17:53	1
Freon 22	1.1		0.50	0.12	ppb v/v			03/20/23 17:53	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			03/20/23 17:53	1
Chloromethane	0.52		0.50	0.15	ppb v/v			03/20/23 17:53	1
n-Butane	15		0.50	0.20	ppb v/v			03/20/23 17:53	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			03/20/23 17:53	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			03/20/23 17:53	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			03/20/23 17:53	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			03/20/23 17:53	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			03/20/23 17:53	1
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v			03/20/23 17:53	1
Freon TF	0.20	U	0.20	0.053	ppb v/v			03/20/23 17:53	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			03/20/23 17:53	1
Acetone	6.5		5.0	1.6	ppb v/v			03/20/23 17:53	1
Isopropyl alcohol	17		5.0	1.6	ppb v/v			03/20/23 17:53	1
Carbon disulfide	0.21	J	0.50	0.13	ppb v/v			03/20/23 17:53	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			03/20/23 17:53	1
Methylene Chloride	0.45	J	0.50	0.18	ppb v/v			03/20/23 17:53	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			03/20/23 17:53	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			03/20/23 17:53	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			03/20/23 17:53	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			03/20/23 17:53	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			03/20/23 17:53	1
Methyl Ethyl Ketone	0.59		0.50	0.49	ppb v/v			03/20/23 17:53	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			03/20/23 17:53	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			03/20/23 17:53	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			03/20/23 17:53	1
Tetrahydrofuran	1.3	J	5.0	1.3	ppb v/v			03/20/23 17:53	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			03/20/23 17:53	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			03/20/23 17:53	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-3

Lab Sample ID: 200-67137-5

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

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
Carbon tetrachloride	0.024	J	0.035	0.022	ppb v/v			03/20/23 17:53	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			03/20/23 17:53	1
Benzene	0.051	J	0.20	0.044	ppb v/v			03/20/23 17:53	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			03/20/23 17:53	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			03/20/23 17:53	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			03/20/23 17:53	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			03/20/23 17:53	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			03/20/23 17:53	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			03/20/23 17:53	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			03/20/23 17:53	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			03/20/23 17:53	1
methyl isobutyl ketone	0.50	U	0.50	0.13	ppb v/v			03/20/23 17:53	1
Toluene	0.20	U	0.20	0.042	ppb v/v			03/20/23 17:53	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			03/20/23 17:53	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			03/20/23 17:53	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			03/20/23 17:53	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			03/20/23 17:53	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			03/20/23 17:53	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			03/20/23 17:53	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			03/20/23 17:53	1
Ethylbenzene	0.056	J	0.20	0.052	ppb v/v			03/20/23 17:53	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			03/20/23 17:53	1
Xylene, o-	0.20	U	0.20	0.052	ppb v/v			03/20/23 17:53	1
Xylene (total)	0.70	U	0.70	0.052	ppb v/v			03/20/23 17:53	1
Styrene	0.20	U	0.20	0.059	ppb v/v			03/20/23 17:53	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			03/20/23 17:53	1
Cumene	0.20	U	0.20	0.041	ppb v/v			03/20/23 17:53	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/20/23 17:53	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 17:53	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			03/20/23 17:53	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 17:53	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			03/20/23 17:53	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 17:53	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			03/20/23 17:53	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			03/20/23 17:53	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			03/20/23 17:53	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			03/20/23 17:53	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			03/20/23 17:53	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			03/20/23 17:53	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			03/20/23 17:53	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			03/20/23 17:53	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			03/20/23 17:53	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			03/20/23 17:53	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			03/20/23 17:53	1
1,2,3-Trichlorobenzene	0.50	U	0.50	0.32	ppb v/v			03/20/23 17:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.4	J	2.5	0.54	ug/m3			03/20/23 17:53	1
Freon 22	4.0		1.8	0.42	ug/m3			03/20/23 17:53	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-3

Lab Sample ID: 200-67137-5

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

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-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			03/20/23 17:53	1
Chloromethane	1.1		1.0	0.31	ug/m3			03/20/23 17:53	1
n-Butane	36		1.2	0.48	ug/m3			03/20/23 17:53	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			03/20/23 17:53	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			03/20/23 17:53	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			03/20/23 17:53	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			03/20/23 17:53	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			03/20/23 17:53	1
Trichlorofluoromethane	0.94 J		1.1	0.28	ug/m3			03/20/23 17:53	1
Freon TF	1.5	U	1.5	0.41	ug/m3			03/20/23 17:53	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			03/20/23 17:53	1
Acetone	16		12	3.8	ug/m3			03/20/23 17:53	1
Isopropyl alcohol	43		12	3.9	ug/m3			03/20/23 17:53	1
Carbon disulfide	0.64 J		1.6	0.40	ug/m3			03/20/23 17:53	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			03/20/23 17:53	1
Methylene Chloride	1.5 J		1.7	0.63	ug/m3			03/20/23 17:53	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			03/20/23 17:53	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			03/20/23 17:53	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			03/20/23 17:53	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			03/20/23 17:53	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			03/20/23 17:53	1
Methyl Ethyl Ketone	1.7		1.5	1.4	ug/m3			03/20/23 17:53	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			03/20/23 17:53	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			03/20/23 17:53	1
Chloroform	0.98	U	0.98	0.20	ug/m3			03/20/23 17:53	1
Tetrahydrofuran	3.8 J		15	3.8	ug/m3			03/20/23 17:53	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			03/20/23 17:53	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			03/20/23 17:53	1
Carbon tetrachloride	0.15 J		0.22	0.14	ug/m3			03/20/23 17:53	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			03/20/23 17:53	1
Benzene	0.16 J		0.64	0.14	ug/m3			03/20/23 17:53	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			03/20/23 17:53	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			03/20/23 17:53	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			03/20/23 17:53	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			03/20/23 17:53	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			03/20/23 17:53	1
1,4-Dioxane	18	U	18	4.7	ug/m3			03/20/23 17:53	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			03/20/23 17:53	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			03/20/23 17:53	1
methyl isobutyl ketone	2.0	U	2.0	0.53	ug/m3			03/20/23 17:53	1
Toluene	0.75	U	0.75	0.16	ug/m3			03/20/23 17:53	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			03/20/23 17:53	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			03/20/23 17:53	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			03/20/23 17:53	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			03/20/23 17:53	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			03/20/23 17:53	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			03/20/23 17:53	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			03/20/23 17:53	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: CLEANER-3

Lab Sample ID: 200-67137-5

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

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
Ethylbenzene	0.24	J	0.87	0.23	ug/m3			03/20/23 17:53	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			03/20/23 17:53	1
Xylene, o-	0.87	U	0.87	0.23	ug/m3			03/20/23 17:53	1
Xylene (total)	3.0	U	3.0	0.23	ug/m3			03/20/23 17:53	1
Styrene	0.85	U	0.85	0.25	ug/m3			03/20/23 17:53	1
Bromoform	2.1	U	2.1	1.2	ug/m3			03/20/23 17:53	1
Cumene	0.98	U	0.98	0.20	ug/m3			03/20/23 17:53	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/20/23 17:53	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			03/20/23 17:53	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			03/20/23 17:53	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			03/20/23 17:53	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			03/20/23 17:53	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			03/20/23 17:53	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			03/20/23 17:53	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			03/20/23 17:53	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			03/20/23 17:53	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			03/20/23 17:53	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			03/20/23 17:53	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			03/20/23 17:53	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			03/20/23 17:53	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			03/20/23 17:53	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 17:53	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			03/20/23 17:53	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			03/20/23 17:53	1
1,2,3-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 17:53	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1.1	J	ppb v/v		3.10	N/A		03/20/23 17:53	1
Unknown	2.6	J	ppb v/v		5.16	N/A		03/20/23 17:53	1

Client Sample ID: AMBIENT

Lab Sample ID: 200-67137-6

Date Collected: 03/02/23 15:49

Matrix: Air

Date Received: 03/04/23 10:25

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	0.43	J	0.50	0.11	ppb v/v			03/20/23 18:45	1
Freon 22	0.41	J	0.50	0.12	ppb v/v			03/20/23 18:45	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			03/20/23 18:45	1
Chloromethane	0.54		0.50	0.15	ppb v/v			03/20/23 18:45	1
n-Butane	1.7		0.50	0.20	ppb v/v			03/20/23 18:45	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			03/20/23 18:45	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			03/20/23 18:45	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			03/20/23 18:45	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			03/20/23 18:45	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			03/20/23 18:45	1
Trichlorofluoromethane	0.17	J	0.20	0.050	ppb v/v			03/20/23 18:45	1
Freon TF	0.20	U	0.20	0.053	ppb v/v			03/20/23 18:45	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: AMBIENT

Lab Sample ID: 200-67137-6

Date Collected: 03/02/23 15:49

Matrix: Air

Date Received: 03/04/23 10:25

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-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			03/20/23 18:45	1
Acetone	9.5		5.0	1.6	ppb v/v			03/20/23 18:45	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			03/20/23 18:45	1
Carbon disulfide	2.6		0.50	0.13	ppb v/v			03/20/23 18:45	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			03/20/23 18:45	1
Methylene Chloride	0.20	J	0.50	0.18	ppb v/v			03/20/23 18:45	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			03/20/23 18:45	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			03/20/23 18:45	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			03/20/23 18:45	1
n-Hexane	0.13	J	0.50	0.11	ppb v/v			03/20/23 18:45	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			03/20/23 18:45	1
Methyl Ethyl Ketone	6.9		0.50	0.49	ppb v/v			03/20/23 18:45	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			03/20/23 18:45	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			03/20/23 18:45	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			03/20/23 18:45	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			03/20/23 18:45	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			03/20/23 18:45	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			03/20/23 18:45	1
Carbon tetrachloride	0.044		0.035	0.022	ppb v/v			03/20/23 18:45	1
2,2,4-Trimethylpentane	0.066	J	0.20	0.038	ppb v/v			03/20/23 18:45	1
Benzene	0.31		0.20	0.044	ppb v/v			03/20/23 18:45	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			03/20/23 18:45	1
n-Heptane	0.35		0.20	0.055	ppb v/v			03/20/23 18:45	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			03/20/23 18:45	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			03/20/23 18:45	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			03/20/23 18:45	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			03/20/23 18:45	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			03/20/23 18:45	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			03/20/23 18:45	1
methyl isobutyl ketone	0.20	J	0.50	0.13	ppb v/v			03/20/23 18:45	1
Toluene	0.77		0.20	0.042	ppb v/v			03/20/23 18:45	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			03/20/23 18:45	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			03/20/23 18:45	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			03/20/23 18:45	1
Methyl Butyl Ketone (2-Hexanone)	0.33	J	0.50	0.15	ppb v/v			03/20/23 18:45	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			03/20/23 18:45	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			03/20/23 18:45	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			03/20/23 18:45	1
Ethylbenzene	0.81		0.20	0.052	ppb v/v			03/20/23 18:45	1
m,p-Xylene	0.92		0.50	0.095	ppb v/v			03/20/23 18:45	1
Xylene, o-	0.51		0.20	0.052	ppb v/v			03/20/23 18:45	1
Xylene (total)	1.4		0.70	0.052	ppb v/v			03/20/23 18:45	1
Styrene	0.20	U	0.20	0.059	ppb v/v			03/20/23 18:45	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			03/20/23 18:45	1
Cumene	0.20	U	0.20	0.041	ppb v/v			03/20/23 18:45	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/20/23 18:45	1
n-Propylbenzene	0.13	J	0.20	0.047	ppb v/v			03/20/23 18:45	1
4-Ethyltoluene	0.15	J	0.20	0.049	ppb v/v			03/20/23 18:45	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: AMBIENT

Lab Sample ID: 200-67137-6

Date Collected: 03/02/23 15:49

Matrix: Air

Date Received: 03/04/23 10:25

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	0.26		0.20	0.047	ppb v/v			03/20/23 18:45	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			03/20/23 18:45	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 18:45	1
1,2,4-Trimethylbenzene	0.84		0.20	0.080	ppb v/v			03/20/23 18:45	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			03/20/23 18:45	1
4-Isopropyltoluene	4.9		0.20	0.061	ppb v/v			03/20/23 18:45	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			03/20/23 18:45	1
1,4-Dichlorobenzene	0.22		0.20	0.089	ppb v/v			03/20/23 18:45	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			03/20/23 18:45	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			03/20/23 18:45	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			03/20/23 18:45	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			03/20/23 18:45	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			03/20/23 18:45	1
Naphthalene	28		0.50	0.30	ppb v/v			03/20/23 18:45	1
1,2,3-Trichlorobenzene	0.50	U	0.50	0.32	ppb v/v			03/20/23 18:45	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3			03/20/23 18:45	1
Freon 22	1.5	J	1.8	0.42	ug/m3			03/20/23 18:45	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			03/20/23 18:45	1
Chloromethane	1.1		1.0	0.31	ug/m3			03/20/23 18:45	1
n-Butane	4.0		1.2	0.48	ug/m3			03/20/23 18:45	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			03/20/23 18:45	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			03/20/23 18:45	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			03/20/23 18:45	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			03/20/23 18:45	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			03/20/23 18:45	1
Trichlorofluoromethane	0.98	J	1.1	0.28	ug/m3			03/20/23 18:45	1
Freon TF	1.5	U	1.5	0.41	ug/m3			03/20/23 18:45	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			03/20/23 18:45	1
Acetone	23		12	3.8	ug/m3			03/20/23 18:45	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			03/20/23 18:45	1
Carbon disulfide	8.2		1.6	0.40	ug/m3			03/20/23 18:45	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			03/20/23 18:45	1
Methylene Chloride	0.69	J	1.7	0.63	ug/m3			03/20/23 18:45	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			03/20/23 18:45	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			03/20/23 18:45	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			03/20/23 18:45	1
n-Hexane	0.47	J	1.8	0.39	ug/m3			03/20/23 18:45	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			03/20/23 18:45	1
Methyl Ethyl Ketone	20		1.5	1.4	ug/m3			03/20/23 18:45	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			03/20/23 18:45	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			03/20/23 18:45	1
Chloroform	0.98	U	0.98	0.20	ug/m3			03/20/23 18:45	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			03/20/23 18:45	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			03/20/23 18:45	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			03/20/23 18:45	1
Carbon tetrachloride	0.28		0.22	0.14	ug/m3			03/20/23 18:45	1
2,2,4-Trimethylpentane	0.31	J	0.93	0.18	ug/m3			03/20/23 18:45	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: AMBIENT

Lab Sample ID: 200-67137-6

Date Collected: 03/02/23 15:49

Matrix: Air

Date Received: 03/04/23 10:25

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	1.0		0.64	0.14	ug/m3			03/20/23 18:45	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			03/20/23 18:45	1
n-Heptane	1.4		0.82	0.23	ug/m3			03/20/23 18:45	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			03/20/23 18:45	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			03/20/23 18:45	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			03/20/23 18:45	1
1,4-Dioxane	18	U	18	4.7	ug/m3			03/20/23 18:45	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			03/20/23 18:45	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			03/20/23 18:45	1
methyl isobutyl ketone	0.83	J	2.0	0.53	ug/m3			03/20/23 18:45	1
Toluene	2.9		0.75	0.16	ug/m3			03/20/23 18:45	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			03/20/23 18:45	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			03/20/23 18:45	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			03/20/23 18:45	1
Methyl Butyl Ketone (2-Hexanone)	1.4	J	2.0	0.61	ug/m3			03/20/23 18:45	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			03/20/23 18:45	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			03/20/23 18:45	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			03/20/23 18:45	1
Ethylbenzene	3.5		0.87	0.23	ug/m3			03/20/23 18:45	1
m,p-Xylene	4.0		2.2	0.41	ug/m3			03/20/23 18:45	1
Xylene, o-	2.2		0.87	0.23	ug/m3			03/20/23 18:45	1
Xylene (total)	6.2		3.0	0.23	ug/m3			03/20/23 18:45	1
Styrene	0.85	U	0.85	0.25	ug/m3			03/20/23 18:45	1
Bromoform	2.1	U	2.1	1.2	ug/m3			03/20/23 18:45	1
Cumene	0.98	U	0.98	0.20	ug/m3			03/20/23 18:45	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/20/23 18:45	1
n-Propylbenzene	0.65	J	0.98	0.23	ug/m3			03/20/23 18:45	1
4-Ethyltoluene	0.75	J	0.98	0.24	ug/m3			03/20/23 18:45	1
1,3,5-Trimethylbenzene	1.3		0.98	0.23	ug/m3			03/20/23 18:45	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			03/20/23 18:45	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			03/20/23 18:45	1
1,2,4-Trimethylbenzene	4.1		0.98	0.39	ug/m3			03/20/23 18:45	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			03/20/23 18:45	1
4-Isopropyltoluene	27		1.1	0.33	ug/m3			03/20/23 18:45	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			03/20/23 18:45	1
1,4-Dichlorobenzene	1.3		1.2	0.54	ug/m3			03/20/23 18:45	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			03/20/23 18:45	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			03/20/23 18:45	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			03/20/23 18:45	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 18:45	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			03/20/23 18:45	1
Naphthalene	150		2.6	1.6	ug/m3			03/20/23 18:45	1
1,2,3-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 18:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1.7	J	ppb v/v		8.57	N/A		03/20/23 18:45	1
Silanol, trimethyl-	1.8	J N	ppb v/v		8.69	1066-40-6		03/20/23 18:45	1
Cyclotrisiloxane, hexamethyl-	3.3	J N	ppb v/v		15.11	541-05-9		03/20/23 18:45	1

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: AMBIENT

Lab Sample ID: 200-67137-6

Date Collected: 03/02/23 15:49

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 6L

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

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Cyclohexene, 4-methyl-1-(1-methylethyl)-	1.0	J N	ppb v/v		20.46	500-00-5		03/20/23 18:45	1
Cyclohexanone, 3,3,5-trimethyl-	1.8	J N	ppb v/v		22.42	873-94-9		03/20/23 18:45	1
L-Fenchone	27	J N	ppb v/v		23.13	7787-20-4		03/20/23 18:45	1
Unknown	1.4	J	ppb v/v		23.24	N/A		03/20/23 18:45	1
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S)-	23	J N	ppb v/v		24.38	464-48-2		03/20/23 18:45	1
Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-	2.2	J N	ppb v/v		24.53	18358-53-7		03/20/23 18:45	1
Naphthalene, 2-methyl-	1.7	J N	ppb v/v		27.39	91-57-6		03/20/23 18:45	1

Client Sample ID: SG-12

Lab Sample ID: 200-67137-7

Date Collected: 03/02/23 10:40

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Dichlorodifluoromethane	5.0	U	5.0	1.1	ppb v/v			03/20/23 12:38	10
Freon 22	5.0	U	5.0	1.2	ppb v/v			03/20/23 12:38	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			03/20/23 12:38	10
Chloromethane	5.0	U	5.0	1.5	ppb v/v			03/20/23 12:38	10
n-Butane	5.0	U	5.0	2.0	ppb v/v			03/20/23 12:38	10
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			03/20/23 12:38	10
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			03/20/23 12:38	10
Bromomethane	2.0	U	2.0	0.71	ppb v/v			03/20/23 12:38	10
Chloroethane	5.0	U	5.0	1.8	ppb v/v			03/20/23 12:38	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			03/20/23 12:38	10
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 12:38	10
Freon TF	2.0	U	2.0	0.53	ppb v/v			03/20/23 12:38	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			03/20/23 12:38	10
Acetone	50	U	50	16	ppb v/v			03/20/23 12:38	10
Isopropyl alcohol	50	U	50	16	ppb v/v			03/20/23 12:38	10
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			03/20/23 12:38	10
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			03/20/23 12:38	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			03/20/23 12:38	10
tert-Butyl alcohol	50	U	50	12	ppb v/v			03/20/23 12:38	10
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			03/20/23 12:38	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			03/20/23 12:38	10
n-Hexane	5.0	U	5.0	1.1	ppb v/v			03/20/23 12:38	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			03/20/23 12:38	10
Methyl Ethyl Ketone	5.0	U	5.0	4.9	ppb v/v			03/20/23 12:38	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.21	ppb v/v			03/20/23 12:38	10
1,2-Dichloroethene, Total	4.0	U	4.0	0.21	ppb v/v			03/20/23 12:38	10
Chloroform	2.0	U	2.0	0.41	ppb v/v			03/20/23 12:38	10
Tetrahydrofuran	50	U	50	13	ppb v/v			03/20/23 12:38	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			03/20/23 12:38	10
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			03/20/23 12:38	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			03/20/23 12:38	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-12

Lab Sample ID: 200-67137-7

Date Collected: 03/02/23 10:40

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			03/20/23 12:38	10
Benzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 12:38	10
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			03/20/23 12:38	10
n-Heptane	2.0	U	2.0	0.55	ppb v/v			03/20/23 12:38	10
Trichloroethene	0.35	U	0.35	0.25	ppb v/v			03/20/23 12:38	10
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			03/20/23 12:38	10
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			03/20/23 12:38	10
1,4-Dioxane	50	U	50	13	ppb v/v			03/20/23 12:38	10
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 12:38	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			03/20/23 12:38	10
methyl isobutyl ketone	5.0	U	5.0	1.3	ppb v/v			03/20/23 12:38	10
Toluene	0.61	J	2.0	0.42	ppb v/v			03/20/23 12:38	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			03/20/23 12:38	10
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			03/20/23 12:38	10
Tetrachloroethene	2.0	U	2.0	0.21	ppb v/v			03/20/23 12:38	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			03/20/23 12:38	10
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			03/20/23 12:38	10
1,2-Dibromoethane	2.0	U	2.0	0.42	ppb v/v			03/20/23 12:38	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 12:38	10
Ethylbenzene	0.57	J	2.0	0.52	ppb v/v			03/20/23 12:38	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			03/20/23 12:38	10
Xylene, o-	0.59	J	2.0	0.52	ppb v/v			03/20/23 12:38	10
Xylene (total)	0.59	J	7.0	0.52	ppb v/v			03/20/23 12:38	10
Styrene	2.0	U	2.0	0.59	ppb v/v			03/20/23 12:38	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			03/20/23 12:38	10
Cumene	2.0	U	2.0	0.41	ppb v/v			03/20/23 12:38	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			03/20/23 12:38	10
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 12:38	10
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			03/20/23 12:38	10
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 12:38	10
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			03/20/23 12:38	10
tert-Butylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 12:38	10
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			03/20/23 12:38	10
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			03/20/23 12:38	10
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			03/20/23 12:38	10
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			03/20/23 12:38	10
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			03/20/23 12:38	10
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			03/20/23 12:38	10
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			03/20/23 12:38	10
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			03/20/23 12:38	10
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			03/20/23 12:38	10
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			03/20/23 12:38	10
Naphthalene	5.0	U	5.0	3.0	ppb v/v			03/20/23 12:38	10
1,2,3-Trichlorobenzene	5.0	U	5.0	3.2	ppb v/v			03/20/23 12:38	10
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	5.4	ug/m3			03/20/23 12:38	10
Freon 22	18	U	18	4.2	ug/m3			03/20/23 12:38	10
1,2-Dichlorotetrafluoroethane	14	U	14	3.4	ug/m3			03/20/23 12:38	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-12

Lab Sample ID: 200-67137-7

Date Collected: 03/02/23 10:40

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	10	U	10	3.1	ug/m3			03/20/23 12:38	10
n-Butane	12	U	12	4.8	ug/m3			03/20/23 12:38	10
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			03/20/23 12:38	10
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			03/20/23 12:38	10
Bromomethane	7.8	U	7.8	2.8	ug/m3			03/20/23 12:38	10
Chloroethane	13	U	13	4.7	ug/m3			03/20/23 12:38	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.2	ug/m3			03/20/23 12:38	10
Trichlorofluoromethane	11	U	11	2.8	ug/m3			03/20/23 12:38	10
Freon TF	15	U	15	4.1	ug/m3			03/20/23 12:38	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			03/20/23 12:38	10
Acetone	120	U	120	38	ug/m3			03/20/23 12:38	10
Isopropyl alcohol	120	U	120	39	ug/m3			03/20/23 12:38	10
Carbon disulfide	16	U	16	4.0	ug/m3			03/20/23 12:38	10
3-Chloropropene	16	U	16	3.8	ug/m3			03/20/23 12:38	10
Methylene Chloride	17	U	17	6.3	ug/m3			03/20/23 12:38	10
tert-Butyl alcohol	150	U	150	36	ug/m3			03/20/23 12:38	10
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			03/20/23 12:38	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			03/20/23 12:38	10
n-Hexane	18	U	18	3.9	ug/m3			03/20/23 12:38	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			03/20/23 12:38	10
Methyl Ethyl Ketone	15	U	15	14	ug/m3			03/20/23 12:38	10
cis-1,2-Dichloroethene	2.0	U	2.0	0.83	ug/m3			03/20/23 12:38	10
1,2-Dichloroethene, Total	16	U	16	0.83	ug/m3			03/20/23 12:38	10
Chloroform	9.8	U	9.8	2.0	ug/m3			03/20/23 12:38	10
Tetrahydrofuran	150	U	150	38	ug/m3			03/20/23 12:38	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			03/20/23 12:38	10
Cyclohexane	6.9	U	6.9	2.0	ug/m3			03/20/23 12:38	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			03/20/23 12:38	10
2,2,4-Trimethylpentane	9.3	U	9.3	1.8	ug/m3			03/20/23 12:38	10
Benzene	6.4	U	6.4	1.4	ug/m3			03/20/23 12:38	10
1,2-Dichloroethane	8.1	U	8.1	3.8	ug/m3			03/20/23 12:38	10
n-Heptane	8.2	U	8.2	2.3	ug/m3			03/20/23 12:38	10
Trichloroethene	1.9	U	1.9	1.3	ug/m3			03/20/23 12:38	10
Methyl methacrylate	20	U	20	5.7	ug/m3			03/20/23 12:38	10
1,2-Dichloropropane	9.2	U	9.2	4.3	ug/m3			03/20/23 12:38	10
1,4-Dioxane	180	U	180	47	ug/m3			03/20/23 12:38	10
Bromodichloromethane	13	U	13	3.4	ug/m3			03/20/23 12:38	10
cis-1,3-Dichloropropene	9.1	U	9.1	2.0	ug/m3			03/20/23 12:38	10
methyl isobutyl ketone	20	U	20	5.3	ug/m3			03/20/23 12:38	10
Toluene	2.3	J	7.5	1.6	ug/m3			03/20/23 12:38	10
trans-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			03/20/23 12:38	10
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			03/20/23 12:38	10
Tetrachloroethene	14	U	14	1.4	ug/m3			03/20/23 12:38	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	6.1	ug/m3			03/20/23 12:38	10
Dibromochloromethane	17	U	17	5.4	ug/m3			03/20/23 12:38	10
1,2-Dibromoethane	15	U	15	3.2	ug/m3			03/20/23 12:38	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			03/20/23 12:38	10
Ethylbenzene	2.5	J	8.7	2.3	ug/m3			03/20/23 12:38	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-12

Lab Sample ID: 200-67137-7

Date Collected: 03/02/23 10:40

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	22	U	22	4.1	ug/m3			03/20/23 12:38	10
Xylene, o-	2.6	J	8.7	2.3	ug/m3			03/20/23 12:38	10
Xylene (total)	2.6	J	30	2.3	ug/m3			03/20/23 12:38	10
Styrene	8.5	U	8.5	2.5	ug/m3			03/20/23 12:38	10
Bromoform	21	U	21	12	ug/m3			03/20/23 12:38	10
Cumene	9.8	U	9.8	2.0	ug/m3			03/20/23 12:38	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			03/20/23 12:38	10
n-Propylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 12:38	10
4-Ethyltoluene	9.8	U	9.8	2.4	ug/m3			03/20/23 12:38	10
1,3,5-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 12:38	10
2-Chlorotoluene	10	U	10	2.4	ug/m3			03/20/23 12:38	10
tert-Butylbenzene	11	U	11	2.6	ug/m3			03/20/23 12:38	10
1,2,4-Trimethylbenzene	9.8	U	9.8	3.9	ug/m3			03/20/23 12:38	10
sec-Butylbenzene	11	U	11	2.5	ug/m3			03/20/23 12:38	10
4-Isopropyltoluene	11	U	11	3.3	ug/m3			03/20/23 12:38	10
1,3-Dichlorobenzene	12	U	12	4.4	ug/m3			03/20/23 12:38	10
1,4-Dichlorobenzene	12	U	12	5.4	ug/m3			03/20/23 12:38	10
Benzyl chloride	10	U	10	4.6	ug/m3			03/20/23 12:38	10
n-Butylbenzene	11	U	11	6.0	ug/m3			03/20/23 12:38	10
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			03/20/23 12:38	10
1,2,4-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 12:38	10
Hexachlorobutadiene	21	U	21	12	ug/m3			03/20/23 12:38	10
Naphthalene	26	U	26	16	ug/m3			03/20/23 12:38	10
1,2,3-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 12:38	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v			N/A		03/20/23 12:38	10

Client Sample ID: VMP-2R

Lab Sample ID: 200-67137-8

Date Collected: 03/02/23 12:27

Matrix: Air

Date Received: 03/04/23 10:25

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	5.0	U	5.0	1.1	ppb v/v			03/20/23 13:30	10
Freon 22	5.0	U	5.0	1.2	ppb v/v			03/20/23 13:30	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			03/20/23 13:30	10
Chloromethane	5.0	U	5.0	1.5	ppb v/v			03/20/23 13:30	10
n-Butane	5.0	U	5.0	2.0	ppb v/v			03/20/23 13:30	10
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			03/20/23 13:30	10
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			03/20/23 13:30	10
Bromomethane	2.0	U	2.0	0.71	ppb v/v			03/20/23 13:30	10
Chloroethane	5.0	U	5.0	1.8	ppb v/v			03/20/23 13:30	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			03/20/23 13:30	10
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 13:30	10
Freon TF	2.0	U	2.0	0.53	ppb v/v			03/20/23 13:30	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			03/20/23 13:30	10
Acetone	50	U	50	16	ppb v/v			03/20/23 13:30	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-2R

Lab Sample ID: 200-67137-8

Date Collected: 03/02/23 12:27

Matrix: Air

Date Received: 03/04/23 10:25

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
Isopropyl alcohol	50	U	50	16	ppb v/v			03/20/23 13:30	10
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			03/20/23 13:30	10
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			03/20/23 13:30	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			03/20/23 13:30	10
tert-Butyl alcohol	50	U	50	12	ppb v/v			03/20/23 13:30	10
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			03/20/23 13:30	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			03/20/23 13:30	10
n-Hexane	5.0	U	5.0	1.1	ppb v/v			03/20/23 13:30	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			03/20/23 13:30	10
Methyl Ethyl Ketone	5.0	U	5.0	4.9	ppb v/v			03/20/23 13:30	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.21	ppb v/v			03/20/23 13:30	10
1,2-Dichloroethene, Total	4.0	U	4.0	0.21	ppb v/v			03/20/23 13:30	10
Chloroform	2.0	U	2.0	0.41	ppb v/v			03/20/23 13:30	10
Tetrahydrofuran	50	U	50	13	ppb v/v			03/20/23 13:30	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			03/20/23 13:30	10
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			03/20/23 13:30	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			03/20/23 13:30	10
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			03/20/23 13:30	10
Benzene	0.46	J	2.0	0.44	ppb v/v			03/20/23 13:30	10
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			03/20/23 13:30	10
n-Heptane	2.0	U	2.0	0.55	ppb v/v			03/20/23 13:30	10
Trichloroethene	1.3		0.35	0.25	ppb v/v			03/20/23 13:30	10
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			03/20/23 13:30	10
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			03/20/23 13:30	10
1,4-Dioxane	50	U	50	13	ppb v/v			03/20/23 13:30	10
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 13:30	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			03/20/23 13:30	10
methyl isobutyl ketone	5.0	U	5.0	1.3	ppb v/v			03/20/23 13:30	10
Toluene	0.92	J	2.0	0.42	ppb v/v			03/20/23 13:30	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			03/20/23 13:30	10
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			03/20/23 13:30	10
Tetrachloroethene	8.7		2.0	0.21	ppb v/v			03/20/23 13:30	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			03/20/23 13:30	10
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			03/20/23 13:30	10
1,2-Dibromoethane	2.0	U	2.0	0.42	ppb v/v			03/20/23 13:30	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 13:30	10
Ethylbenzene	0.61	J	2.0	0.52	ppb v/v			03/20/23 13:30	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			03/20/23 13:30	10
Xylene, o-	0.56	J	2.0	0.52	ppb v/v			03/20/23 13:30	10
Xylene (total)	0.56	J	7.0	0.52	ppb v/v			03/20/23 13:30	10
Styrene	2.0	U	2.0	0.59	ppb v/v			03/20/23 13:30	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			03/20/23 13:30	10
Cumene	2.0	U	2.0	0.41	ppb v/v			03/20/23 13:30	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			03/20/23 13:30	10
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 13:30	10
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			03/20/23 13:30	10
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 13:30	10
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			03/20/23 13:30	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-2R

Lab Sample ID: 200-67137-8

Date Collected: 03/02/23 12:27

Matrix: Air

Date Received: 03/04/23 10:25

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	2.0	U	2.0	0.47	ppb v/v			03/20/23 13:30	10
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			03/20/23 13:30	10
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			03/20/23 13:30	10
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			03/20/23 13:30	10
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			03/20/23 13:30	10
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			03/20/23 13:30	10
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			03/20/23 13:30	10
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			03/20/23 13:30	10
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			03/20/23 13:30	10
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			03/20/23 13:30	10
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			03/20/23 13:30	10
Naphthalene	5.0	U	5.0	3.0	ppb v/v			03/20/23 13:30	10
1,2,3-Trichlorobenzene	5.0	U	5.0	3.2	ppb v/v			03/20/23 13:30	10
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	5.4	ug/m3			03/20/23 13:30	10
Freon 22	18	U	18	4.2	ug/m3			03/20/23 13:30	10
1,2-Dichlorotetrafluoroethane	14	U	14	3.4	ug/m3			03/20/23 13:30	10
Chloromethane	10	U	10	3.1	ug/m3			03/20/23 13:30	10
n-Butane	12	U	12	4.8	ug/m3			03/20/23 13:30	10
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			03/20/23 13:30	10
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			03/20/23 13:30	10
Bromomethane	7.8	U	7.8	2.8	ug/m3			03/20/23 13:30	10
Chloroethane	13	U	13	4.7	ug/m3			03/20/23 13:30	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.2	ug/m3			03/20/23 13:30	10
Trichlorofluoromethane	11	U	11	2.8	ug/m3			03/20/23 13:30	10
Freon TF	15	U	15	4.1	ug/m3			03/20/23 13:30	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			03/20/23 13:30	10
Acetone	120	U	120	38	ug/m3			03/20/23 13:30	10
Isopropyl alcohol	120	U	120	39	ug/m3			03/20/23 13:30	10
Carbon disulfide	16	U	16	4.0	ug/m3			03/20/23 13:30	10
3-Chloropropene	16	U	16	3.8	ug/m3			03/20/23 13:30	10
Methylene Chloride	17	U	17	6.3	ug/m3			03/20/23 13:30	10
tert-Butyl alcohol	150	U	150	36	ug/m3			03/20/23 13:30	10
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			03/20/23 13:30	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			03/20/23 13:30	10
n-Hexane	18	U	18	3.9	ug/m3			03/20/23 13:30	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			03/20/23 13:30	10
Methyl Ethyl Ketone	15	U	15	14	ug/m3			03/20/23 13:30	10
cis-1,2-Dichloroethene	2.0	U	2.0	0.83	ug/m3			03/20/23 13:30	10
1,2-Dichloroethene, Total	16	U	16	0.83	ug/m3			03/20/23 13:30	10
Chloroform	9.8	U	9.8	2.0	ug/m3			03/20/23 13:30	10
Tetrahydrofuran	150	U	150	38	ug/m3			03/20/23 13:30	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			03/20/23 13:30	10
Cyclohexane	6.9	U	6.9	2.0	ug/m3			03/20/23 13:30	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			03/20/23 13:30	10
2,2,4-Trimethylpentane	9.3	U	9.3	1.8	ug/m3			03/20/23 13:30	10
Benzene	1.5	J	6.4	1.4	ug/m3			03/20/23 13:30	10
1,2-Dichloroethane	8.1	U	8.1	3.8	ug/m3			03/20/23 13:30	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-2R

Lab Sample ID: 200-67137-8

Date Collected: 03/02/23 12:27

Matrix: Air

Date Received: 03/04/23 10:25

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	8.2	U	8.2	2.3	ug/m3			03/20/23 13:30	10
Trichloroethene	7.2		1.9	1.3	ug/m3			03/20/23 13:30	10
Methyl methacrylate	20	U	20	5.7	ug/m3			03/20/23 13:30	10
1,2-Dichloropropane	9.2	U	9.2	4.3	ug/m3			03/20/23 13:30	10
1,4-Dioxane	180	U	180	47	ug/m3			03/20/23 13:30	10
Bromodichloromethane	13	U	13	3.4	ug/m3			03/20/23 13:30	10
cis-1,3-Dichloropropene	9.1	U	9.1	2.0	ug/m3			03/20/23 13:30	10
methyl isobutyl ketone	20	U	20	5.3	ug/m3			03/20/23 13:30	10
Toluene	3.5 J		7.5	1.6	ug/m3			03/20/23 13:30	10
trans-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			03/20/23 13:30	10
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			03/20/23 13:30	10
Tetrachloroethene	59		14	1.4	ug/m3			03/20/23 13:30	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	6.1	ug/m3			03/20/23 13:30	10
Dibromochloromethane	17	U	17	5.4	ug/m3			03/20/23 13:30	10
1,2-Dibromoethane	15	U	15	3.2	ug/m3			03/20/23 13:30	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			03/20/23 13:30	10
Ethylbenzene	2.7 J		8.7	2.3	ug/m3			03/20/23 13:30	10
m,p-Xylene	22	U	22	4.1	ug/m3			03/20/23 13:30	10
Xylene, o-	2.4 J		8.7	2.3	ug/m3			03/20/23 13:30	10
Xylene (total)	2.4 J		30	2.3	ug/m3			03/20/23 13:30	10
Styrene	8.5	U	8.5	2.5	ug/m3			03/20/23 13:30	10
Bromoform	21	U	21	12	ug/m3			03/20/23 13:30	10
Cumene	9.8	U	9.8	2.0	ug/m3			03/20/23 13:30	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			03/20/23 13:30	10
n-Propylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 13:30	10
4-Ethyltoluene	9.8	U	9.8	2.4	ug/m3			03/20/23 13:30	10
1,3,5-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 13:30	10
2-Chlorotoluene	10	U	10	2.4	ug/m3			03/20/23 13:30	10
tert-Butylbenzene	11	U	11	2.6	ug/m3			03/20/23 13:30	10
1,2,4-Trimethylbenzene	9.8	U	9.8	3.9	ug/m3			03/20/23 13:30	10
sec-Butylbenzene	11	U	11	2.5	ug/m3			03/20/23 13:30	10
4-Isopropyltoluene	11	U	11	3.3	ug/m3			03/20/23 13:30	10
1,3-Dichlorobenzene	12	U	12	4.4	ug/m3			03/20/23 13:30	10
1,4-Dichlorobenzene	12	U	12	5.4	ug/m3			03/20/23 13:30	10
Benzyl chloride	10	U	10	4.6	ug/m3			03/20/23 13:30	10
n-Butylbenzene	11	U	11	6.0	ug/m3			03/20/23 13:30	10
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			03/20/23 13:30	10
1,2,4-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 13:30	10
Hexachlorobutadiene	21	U	21	12	ug/m3			03/20/23 13:30	10
Naphthalene	26	U	26	16	ug/m3			03/20/23 13:30	10
1,2,3-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 13:30	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v			N/A		03/20/23 13:30	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-6

Lab Sample ID: 200-67137-9

Date Collected: 03/02/23 09:01

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.0	U	5.0	1.1	ppb v/v			03/20/23 14:22	10
Freon 22	1.5	J	5.0	1.2	ppb v/v			03/20/23 14:22	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			03/20/23 14:22	10
Chloromethane	5.0	U	5.0	1.5	ppb v/v			03/20/23 14:22	10
n-Butane	5.0	U	5.0	2.0	ppb v/v			03/20/23 14:22	10
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			03/20/23 14:22	10
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			03/20/23 14:22	10
Bromomethane	2.0	U	2.0	0.71	ppb v/v			03/20/23 14:22	10
Chloroethane	5.0	U	5.0	1.8	ppb v/v			03/20/23 14:22	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			03/20/23 14:22	10
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 14:22	10
Freon TF	2.0	U	2.0	0.53	ppb v/v			03/20/23 14:22	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			03/20/23 14:22	10
Acetone	18	J	50	16	ppb v/v			03/20/23 14:22	10
Isopropyl alcohol	50	U	50	16	ppb v/v			03/20/23 14:22	10
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			03/20/23 14:22	10
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			03/20/23 14:22	10
Methylene Chloride	2.3	J	5.0	1.8	ppb v/v			03/20/23 14:22	10
tert-Butyl alcohol	50	U	50	12	ppb v/v			03/20/23 14:22	10
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			03/20/23 14:22	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			03/20/23 14:22	10
n-Hexane	1.2	J	5.0	1.1	ppb v/v			03/20/23 14:22	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			03/20/23 14:22	10
Methyl Ethyl Ketone	5.0	U	5.0	4.9	ppb v/v			03/20/23 14:22	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.21	ppb v/v			03/20/23 14:22	10
1,2-Dichloroethene, Total	4.0	U	4.0	0.21	ppb v/v			03/20/23 14:22	10
Chloroform	2.0	U	2.0	0.41	ppb v/v			03/20/23 14:22	10
Tetrahydrofuran	50	U	50	13	ppb v/v			03/20/23 14:22	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			03/20/23 14:22	10
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			03/20/23 14:22	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			03/20/23 14:22	10
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			03/20/23 14:22	10
Benzene	0.57	J	2.0	0.44	ppb v/v			03/20/23 14:22	10
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			03/20/23 14:22	10
n-Heptane	2.0	U	2.0	0.55	ppb v/v			03/20/23 14:22	10
Trichloroethene	0.35	U	0.35	0.25	ppb v/v			03/20/23 14:22	10
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			03/20/23 14:22	10
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			03/20/23 14:22	10
1,4-Dioxane	50	U	50	13	ppb v/v			03/20/23 14:22	10
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 14:22	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			03/20/23 14:22	10
methyl isobutyl ketone	5.0	U	5.0	1.3	ppb v/v			03/20/23 14:22	10
Toluene	1.2	J	2.0	0.42	ppb v/v			03/20/23 14:22	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			03/20/23 14:22	10
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			03/20/23 14:22	10
Tetrachloroethene	0.62	J	2.0	0.21	ppb v/v			03/20/23 14:22	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			03/20/23 14:22	10
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			03/20/23 14:22	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-6

Lab Sample ID: 200-67137-9

Date Collected: 03/02/23 09:01

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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	2.0	U	2.0	0.42	ppb v/v			03/20/23 14:22	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 14:22	10
Ethylbenzene	0.70	J	2.0	0.52	ppb v/v			03/20/23 14:22	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			03/20/23 14:22	10
Xylene, o-	0.82	J	2.0	0.52	ppb v/v			03/20/23 14:22	10
Xylene (total)	0.82	J	7.0	0.52	ppb v/v			03/20/23 14:22	10
Styrene	2.0	U	2.0	0.59	ppb v/v			03/20/23 14:22	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			03/20/23 14:22	10
Cumene	2.0	U	2.0	0.41	ppb v/v			03/20/23 14:22	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			03/20/23 14:22	10
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 14:22	10
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			03/20/23 14:22	10
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 14:22	10
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			03/20/23 14:22	10
tert-Butylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 14:22	10
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			03/20/23 14:22	10
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			03/20/23 14:22	10
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			03/20/23 14:22	10
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			03/20/23 14:22	10
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			03/20/23 14:22	10
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			03/20/23 14:22	10
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			03/20/23 14:22	10
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			03/20/23 14:22	10
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			03/20/23 14:22	10
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			03/20/23 14:22	10
Naphthalene	5.0	U	5.0	3.0	ppb v/v			03/20/23 14:22	10
1,2,3-Trichlorobenzene	5.0	U	5.0	3.2	ppb v/v			03/20/23 14:22	10
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	5.4	ug/m3			03/20/23 14:22	10
Freon 22	5.3	J	18	4.2	ug/m3			03/20/23 14:22	10
1,2-Dichlorotetrafluoroethane	14	U	14	3.4	ug/m3			03/20/23 14:22	10
Chloromethane	10	U	10	3.1	ug/m3			03/20/23 14:22	10
n-Butane	12	U	12	4.8	ug/m3			03/20/23 14:22	10
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			03/20/23 14:22	10
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			03/20/23 14:22	10
Bromomethane	7.8	U	7.8	2.8	ug/m3			03/20/23 14:22	10
Chloroethane	13	U	13	4.7	ug/m3			03/20/23 14:22	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.2	ug/m3			03/20/23 14:22	10
Trichlorofluoromethane	11	U	11	2.8	ug/m3			03/20/23 14:22	10
Freon TF	15	U	15	4.1	ug/m3			03/20/23 14:22	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			03/20/23 14:22	10
Acetone	43	J	120	38	ug/m3			03/20/23 14:22	10
Isopropyl alcohol	120	U	120	39	ug/m3			03/20/23 14:22	10
Carbon disulfide	16	U	16	4.0	ug/m3			03/20/23 14:22	10
3-Chloropropene	16	U	16	3.8	ug/m3			03/20/23 14:22	10
Methylene Chloride	8.1	J	17	6.3	ug/m3			03/20/23 14:22	10
tert-Butyl alcohol	150	U	150	36	ug/m3			03/20/23 14:22	10
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			03/20/23 14:22	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-6

Lab Sample ID: 200-67137-9

Date Collected: 03/02/23 09:01

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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	7.9	U	7.9	0.91	ug/m3			03/20/23 14:22	10
n-Hexane	4.4	J	18	3.9	ug/m3			03/20/23 14:22	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			03/20/23 14:22	10
Methyl Ethyl Ketone	15	U	15	14	ug/m3			03/20/23 14:22	10
cis-1,2-Dichloroethene	2.0	U	2.0	0.83	ug/m3			03/20/23 14:22	10
1,2-Dichloroethene, Total	16	U	16	0.83	ug/m3			03/20/23 14:22	10
Chloroform	9.8	U	9.8	2.0	ug/m3			03/20/23 14:22	10
Tetrahydrofuran	150	U	150	38	ug/m3			03/20/23 14:22	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			03/20/23 14:22	10
Cyclohexane	6.9	U	6.9	2.0	ug/m3			03/20/23 14:22	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			03/20/23 14:22	10
2,2,4-Trimethylpentane	9.3	U	9.3	1.8	ug/m3			03/20/23 14:22	10
Benzene	1.8	J	6.4	1.4	ug/m3			03/20/23 14:22	10
1,2-Dichloroethane	8.1	U	8.1	3.8	ug/m3			03/20/23 14:22	10
n-Heptane	8.2	U	8.2	2.3	ug/m3			03/20/23 14:22	10
Trichloroethene	1.9	U	1.9	1.3	ug/m3			03/20/23 14:22	10
Methyl methacrylate	20	U	20	5.7	ug/m3			03/20/23 14:22	10
1,2-Dichloropropane	9.2	U	9.2	4.3	ug/m3			03/20/23 14:22	10
1,4-Dioxane	180	U	180	47	ug/m3			03/20/23 14:22	10
Bromodichloromethane	13	U	13	3.4	ug/m3			03/20/23 14:22	10
cis-1,3-Dichloropropene	9.1	U	9.1	2.0	ug/m3			03/20/23 14:22	10
methyl isobutyl ketone	20	U	20	5.3	ug/m3			03/20/23 14:22	10
Toluene	4.6	J	7.5	1.6	ug/m3			03/20/23 14:22	10
trans-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			03/20/23 14:22	10
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			03/20/23 14:22	10
Tetrachloroethene	4.2	J	14	1.4	ug/m3			03/20/23 14:22	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	6.1	ug/m3			03/20/23 14:22	10
Dibromochloromethane	17	U	17	5.4	ug/m3			03/20/23 14:22	10
1,2-Dibromoethane	15	U	15	3.2	ug/m3			03/20/23 14:22	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			03/20/23 14:22	10
Ethylbenzene	3.1	J	8.7	2.3	ug/m3			03/20/23 14:22	10
m,p-Xylene	22	U	22	4.1	ug/m3			03/20/23 14:22	10
Xylene, o-	3.6	J	8.7	2.3	ug/m3			03/20/23 14:22	10
Xylene (total)	3.6	J	30	2.3	ug/m3			03/20/23 14:22	10
Styrene	8.5	U	8.5	2.5	ug/m3			03/20/23 14:22	10
Bromoform	21	U	21	12	ug/m3			03/20/23 14:22	10
Cumene	9.8	U	9.8	2.0	ug/m3			03/20/23 14:22	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			03/20/23 14:22	10
n-Propylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 14:22	10
4-Ethyltoluene	9.8	U	9.8	2.4	ug/m3			03/20/23 14:22	10
1,3,5-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 14:22	10
2-Chlorotoluene	10	U	10	2.4	ug/m3			03/20/23 14:22	10
tert-Butylbenzene	11	U	11	2.6	ug/m3			03/20/23 14:22	10
1,2,4-Trimethylbenzene	9.8	U	9.8	3.9	ug/m3			03/20/23 14:22	10
sec-Butylbenzene	11	U	11	2.5	ug/m3			03/20/23 14:22	10
4-Isopropyltoluene	11	U	11	3.3	ug/m3			03/20/23 14:22	10
1,3-Dichlorobenzene	12	U	12	4.4	ug/m3			03/20/23 14:22	10
1,4-Dichlorobenzene	12	U	12	5.4	ug/m3			03/20/23 14:22	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-6

Lab Sample ID: 200-67137-9

Date Collected: 03/02/23 09:01

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	10	U	10	4.6	ug/m3			03/20/23 14:22	10
n-Butylbenzene	11	U	11	6.0	ug/m3			03/20/23 14:22	10
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			03/20/23 14:22	10
1,2,4-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 14:22	10
Hexachlorobutadiene	21	U	21	12	ug/m3			03/20/23 14:22	10
Naphthalene	26	U	26	16	ug/m3			03/20/23 14:22	10
1,2,3-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 14:22	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl Acetate	16	J N	ppb v/v		8.94	141-78-6		03/20/23 14:22	10

Client Sample ID: SG-4

Lab Sample ID: 200-67137-10

Date Collected: 03/02/23 09:36

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.0	U	5.0	1.1	ppb v/v			03/20/23 15:15	10
Freon 22	5.0	U	5.0	1.2	ppb v/v			03/20/23 15:15	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			03/20/23 15:15	10
Chloromethane	5.0	U	5.0	1.5	ppb v/v			03/20/23 15:15	10
n-Butane	5.0	U	5.0	2.0	ppb v/v			03/20/23 15:15	10
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			03/20/23 15:15	10
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			03/20/23 15:15	10
Bromomethane	2.0	U	2.0	0.71	ppb v/v			03/20/23 15:15	10
Chloroethane	5.0	U	5.0	1.8	ppb v/v			03/20/23 15:15	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			03/20/23 15:15	10
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 15:15	10
Freon TF	2.0	U	2.0	0.53	ppb v/v			03/20/23 15:15	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			03/20/23 15:15	10
Acetone	50	U	50	16	ppb v/v			03/20/23 15:15	10
Isopropyl alcohol	50	U	50	16	ppb v/v			03/20/23 15:15	10
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			03/20/23 15:15	10
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			03/20/23 15:15	10
Methylene Chloride	4.0	J	5.0	1.8	ppb v/v			03/20/23 15:15	10
tert-Butyl alcohol	50	U	50	12	ppb v/v			03/20/23 15:15	10
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			03/20/23 15:15	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			03/20/23 15:15	10
n-Hexane	1.9	J	5.0	1.1	ppb v/v			03/20/23 15:15	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			03/20/23 15:15	10
Methyl Ethyl Ketone	5.0	U	5.0	4.9	ppb v/v			03/20/23 15:15	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.21	ppb v/v			03/20/23 15:15	10
1,2-Dichloroethene, Total	4.0	U	4.0	0.21	ppb v/v			03/20/23 15:15	10
Chloroform	2.0	U	2.0	0.41	ppb v/v			03/20/23 15:15	10
Tetrahydrofuran	50	U	50	13	ppb v/v			03/20/23 15:15	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			03/20/23 15:15	10
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			03/20/23 15:15	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			03/20/23 15:15	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-4

Lab Sample ID: 200-67137-10

Date Collected: 03/02/23 09:36

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			03/20/23 15:15	10
Benzene	0.72	J	2.0	0.44	ppb v/v			03/20/23 15:15	10
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			03/20/23 15:15	10
n-Heptane	2.0	U	2.0	0.55	ppb v/v			03/20/23 15:15	10
Trichloroethene	0.35	U	0.35	0.25	ppb v/v			03/20/23 15:15	10
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			03/20/23 15:15	10
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			03/20/23 15:15	10
1,4-Dioxane	50	U	50	13	ppb v/v			03/20/23 15:15	10
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 15:15	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			03/20/23 15:15	10
methyl isobutyl ketone	5.0	U	5.0	1.3	ppb v/v			03/20/23 15:15	10
Toluene	1.9	J	2.0	0.42	ppb v/v			03/20/23 15:15	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			03/20/23 15:15	10
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			03/20/23 15:15	10
Tetrachloroethene	2.0	U	2.0	0.21	ppb v/v			03/20/23 15:15	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			03/20/23 15:15	10
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			03/20/23 15:15	10
1,2-Dibromoethane	2.0	U	2.0	0.42	ppb v/v			03/20/23 15:15	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 15:15	10
Ethylbenzene	0.60	J	2.0	0.52	ppb v/v			03/20/23 15:15	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			03/20/23 15:15	10
Xylene, o-	0.68	J	2.0	0.52	ppb v/v			03/20/23 15:15	10
Xylene (total)	0.68	J	7.0	0.52	ppb v/v			03/20/23 15:15	10
Styrene	2.0	U	2.0	0.59	ppb v/v			03/20/23 15:15	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			03/20/23 15:15	10
Cumene	2.0	U	2.0	0.41	ppb v/v			03/20/23 15:15	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			03/20/23 15:15	10
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 15:15	10
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			03/20/23 15:15	10
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 15:15	10
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			03/20/23 15:15	10
tert-Butylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 15:15	10
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			03/20/23 15:15	10
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			03/20/23 15:15	10
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			03/20/23 15:15	10
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			03/20/23 15:15	10
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			03/20/23 15:15	10
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			03/20/23 15:15	10
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			03/20/23 15:15	10
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			03/20/23 15:15	10
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			03/20/23 15:15	10
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			03/20/23 15:15	10
Naphthalene	5.0	U	5.0	3.0	ppb v/v			03/20/23 15:15	10
1,2,3-Trichlorobenzene	5.0	U	5.0	3.2	ppb v/v			03/20/23 15:15	10
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	5.4	ug/m3			03/20/23 15:15	10
Freon 22	18	U	18	4.2	ug/m3			03/20/23 15:15	10
1,2-Dichlorotetrafluoroethane	14	U	14	3.4	ug/m3			03/20/23 15:15	10

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-4

Lab Sample ID: 200-67137-10

Date Collected: 03/02/23 09:36

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	10	U	10	3.1	ug/m3			03/20/23 15:15	10
n-Butane	12	U	12	4.8	ug/m3			03/20/23 15:15	10
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			03/20/23 15:15	10
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			03/20/23 15:15	10
Bromomethane	7.8	U	7.8	2.8	ug/m3			03/20/23 15:15	10
Chloroethane	13	U	13	4.7	ug/m3			03/20/23 15:15	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.2	ug/m3			03/20/23 15:15	10
Trichlorofluoromethane	11	U	11	2.8	ug/m3			03/20/23 15:15	10
Freon TF	15	U	15	4.1	ug/m3			03/20/23 15:15	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			03/20/23 15:15	10
Acetone	120	U	120	38	ug/m3			03/20/23 15:15	10
Isopropyl alcohol	120	U	120	39	ug/m3			03/20/23 15:15	10
Carbon disulfide	16	U	16	4.0	ug/m3			03/20/23 15:15	10
3-Chloropropene	16	U	16	3.8	ug/m3			03/20/23 15:15	10
Methylene Chloride	14	J	17	6.3	ug/m3			03/20/23 15:15	10
tert-Butyl alcohol	150	U	150	36	ug/m3			03/20/23 15:15	10
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			03/20/23 15:15	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			03/20/23 15:15	10
n-Hexane	6.6	J	18	3.9	ug/m3			03/20/23 15:15	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			03/20/23 15:15	10
Methyl Ethyl Ketone	15	U	15	14	ug/m3			03/20/23 15:15	10
cis-1,2-Dichloroethene	2.0	U	2.0	0.83	ug/m3			03/20/23 15:15	10
1,2-Dichloroethene, Total	16	U	16	0.83	ug/m3			03/20/23 15:15	10
Chloroform	9.8	U	9.8	2.0	ug/m3			03/20/23 15:15	10
Tetrahydrofuran	150	U	150	38	ug/m3			03/20/23 15:15	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			03/20/23 15:15	10
Cyclohexane	6.9	U	6.9	2.0	ug/m3			03/20/23 15:15	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			03/20/23 15:15	10
2,2,4-Trimethylpentane	9.3	U	9.3	1.8	ug/m3			03/20/23 15:15	10
Benzene	2.3	J	6.4	1.4	ug/m3			03/20/23 15:15	10
1,2-Dichloroethane	8.1	U	8.1	3.8	ug/m3			03/20/23 15:15	10
n-Heptane	8.2	U	8.2	2.3	ug/m3			03/20/23 15:15	10
Trichloroethene	1.9	U	1.9	1.3	ug/m3			03/20/23 15:15	10
Methyl methacrylate	20	U	20	5.7	ug/m3			03/20/23 15:15	10
1,2-Dichloropropane	9.2	U	9.2	4.3	ug/m3			03/20/23 15:15	10
1,4-Dioxane	180	U	180	47	ug/m3			03/20/23 15:15	10
Bromodichloromethane	13	U	13	3.4	ug/m3			03/20/23 15:15	10
cis-1,3-Dichloropropene	9.1	U	9.1	2.0	ug/m3			03/20/23 15:15	10
methyl isobutyl ketone	20	U	20	5.3	ug/m3			03/20/23 15:15	10
Toluene	7.2	J	7.5	1.6	ug/m3			03/20/23 15:15	10
trans-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			03/20/23 15:15	10
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			03/20/23 15:15	10
Tetrachloroethene	14	U	14	1.4	ug/m3			03/20/23 15:15	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	6.1	ug/m3			03/20/23 15:15	10
Dibromochloromethane	17	U	17	5.4	ug/m3			03/20/23 15:15	10
1,2-Dibromoethane	15	U	15	3.2	ug/m3			03/20/23 15:15	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			03/20/23 15:15	10
Ethylbenzene	2.6	J	8.7	2.3	ug/m3			03/20/23 15:15	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-4

Lab Sample ID: 200-67137-10

Date Collected: 03/02/23 09:36

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	22	U	22	4.1	ug/m3			03/20/23 15:15	10
Xylene, o-	3.0	J	8.7	2.3	ug/m3			03/20/23 15:15	10
Xylene (total)	3.0	J	30	2.3	ug/m3			03/20/23 15:15	10
Styrene	8.5	U	8.5	2.5	ug/m3			03/20/23 15:15	10
Bromoform	21	U	21	12	ug/m3			03/20/23 15:15	10
Cumene	9.8	U	9.8	2.0	ug/m3			03/20/23 15:15	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			03/20/23 15:15	10
n-Propylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 15:15	10
4-Ethyltoluene	9.8	U	9.8	2.4	ug/m3			03/20/23 15:15	10
1,3,5-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 15:15	10
2-Chlorotoluene	10	U	10	2.4	ug/m3			03/20/23 15:15	10
tert-Butylbenzene	11	U	11	2.6	ug/m3			03/20/23 15:15	10
1,2,4-Trimethylbenzene	9.8	U	9.8	3.9	ug/m3			03/20/23 15:15	10
sec-Butylbenzene	11	U	11	2.5	ug/m3			03/20/23 15:15	10
4-Isopropyltoluene	11	U	11	3.3	ug/m3			03/20/23 15:15	10
1,3-Dichlorobenzene	12	U	12	4.4	ug/m3			03/20/23 15:15	10
1,4-Dichlorobenzene	12	U	12	5.4	ug/m3			03/20/23 15:15	10
Benzyl chloride	10	U	10	4.6	ug/m3			03/20/23 15:15	10
n-Butylbenzene	11	U	11	6.0	ug/m3			03/20/23 15:15	10
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			03/20/23 15:15	10
1,2,4-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 15:15	10
Hexachlorobutadiene	21	U	21	12	ug/m3			03/20/23 15:15	10
Naphthalene	26	U	26	16	ug/m3			03/20/23 15:15	10
1,2,3-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 15:15	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl Acetate	34	J N	ppb v/v		8.94	141-78-6		03/20/23 15:15	10

Client Sample ID: SG-11

Lab Sample ID: 200-67137-11

Date Collected: 03/02/23 10:02

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.0	U	5.0	1.1	ppb v/v			03/20/23 16:08	10
Freon 22	5.0	U	5.0	1.2	ppb v/v			03/20/23 16:08	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			03/20/23 16:08	10
Chloromethane	5.0	U	5.0	1.5	ppb v/v			03/20/23 16:08	10
n-Butane	5.0	U	5.0	2.0	ppb v/v			03/20/23 16:08	10
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			03/20/23 16:08	10
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			03/20/23 16:08	10
Bromomethane	2.0	U	2.0	0.71	ppb v/v			03/20/23 16:08	10
Chloroethane	5.0	U	5.0	1.8	ppb v/v			03/20/23 16:08	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			03/20/23 16:08	10
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 16:08	10
Freon TF	2.0	U	2.0	0.53	ppb v/v			03/20/23 16:08	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			03/20/23 16:08	10
Acetone	50	U	50	16	ppb v/v			03/20/23 16:08	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-11

Lab Sample ID: 200-67137-11

Date Collected: 03/02/23 10:02

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	50	U	50	16	ppb v/v			03/20/23 16:08	10
Carbon disulfide	20		5.0	1.3	ppb v/v			03/20/23 16:08	10
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			03/20/23 16:08	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			03/20/23 16:08	10
tert-Butyl alcohol	50	U	50	12	ppb v/v			03/20/23 16:08	10
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			03/20/23 16:08	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			03/20/23 16:08	10
n-Hexane	5.0	U	5.0	1.1	ppb v/v			03/20/23 16:08	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			03/20/23 16:08	10
Methyl Ethyl Ketone	5.0	U	5.0	4.9	ppb v/v			03/20/23 16:08	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.21	ppb v/v			03/20/23 16:08	10
1,2-Dichloroethene, Total	4.0	U	4.0	0.21	ppb v/v			03/20/23 16:08	10
Chloroform	2.0	U	2.0	0.41	ppb v/v			03/20/23 16:08	10
Tetrahydrofuran	50	U	50	13	ppb v/v			03/20/23 16:08	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			03/20/23 16:08	10
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			03/20/23 16:08	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			03/20/23 16:08	10
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			03/20/23 16:08	10
Benzene	0.44	J	2.0	0.44	ppb v/v			03/20/23 16:08	10
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			03/20/23 16:08	10
n-Heptane	2.0	U	2.0	0.55	ppb v/v			03/20/23 16:08	10
Trichloroethene	0.35	U	0.35	0.25	ppb v/v			03/20/23 16:08	10
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			03/20/23 16:08	10
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			03/20/23 16:08	10
1,4-Dioxane	50	U	50	13	ppb v/v			03/20/23 16:08	10
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 16:08	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			03/20/23 16:08	10
methyl isobutyl ketone	5.0	U	5.0	1.3	ppb v/v			03/20/23 16:08	10
Toluene	1.0	J	2.0	0.42	ppb v/v			03/20/23 16:08	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			03/20/23 16:08	10
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			03/20/23 16:08	10
Tetrachloroethene	1.7	J	2.0	0.21	ppb v/v			03/20/23 16:08	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			03/20/23 16:08	10
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			03/20/23 16:08	10
1,2-Dibromoethane	2.0	U	2.0	0.42	ppb v/v			03/20/23 16:08	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 16:08	10
Ethylbenzene	0.63	J	2.0	0.52	ppb v/v			03/20/23 16:08	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			03/20/23 16:08	10
Xylene, o-	0.56	J	2.0	0.52	ppb v/v			03/20/23 16:08	10
Xylene (total)	0.56	J	7.0	0.52	ppb v/v			03/20/23 16:08	10
Styrene	2.0	U	2.0	0.59	ppb v/v			03/20/23 16:08	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			03/20/23 16:08	10
Cumene	2.0	U	2.0	0.41	ppb v/v			03/20/23 16:08	10
1,1,1,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			03/20/23 16:08	10
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 16:08	10
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			03/20/23 16:08	10
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 16:08	10
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			03/20/23 16:08	10

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-11

Lab Sample ID: 200-67137-11

Date Collected: 03/02/23 10:02

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 16:08	10
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			03/20/23 16:08	10
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			03/20/23 16:08	10
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			03/20/23 16:08	10
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			03/20/23 16:08	10
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			03/20/23 16:08	10
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			03/20/23 16:08	10
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			03/20/23 16:08	10
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			03/20/23 16:08	10
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			03/20/23 16:08	10
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			03/20/23 16:08	10
Naphthalene	5.0	U	5.0	3.0	ppb v/v			03/20/23 16:08	10
1,2,3-Trichlorobenzene	5.0	U	5.0	3.2	ppb v/v			03/20/23 16:08	10
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	5.4	ug/m3			03/20/23 16:08	10
Freon 22	18	U	18	4.2	ug/m3			03/20/23 16:08	10
1,2-Dichlorotetrafluoroethane	14	U	14	3.4	ug/m3			03/20/23 16:08	10
Chloromethane	10	U	10	3.1	ug/m3			03/20/23 16:08	10
n-Butane	12	U	12	4.8	ug/m3			03/20/23 16:08	10
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			03/20/23 16:08	10
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			03/20/23 16:08	10
Bromomethane	7.8	U	7.8	2.8	ug/m3			03/20/23 16:08	10
Chloroethane	13	U	13	4.7	ug/m3			03/20/23 16:08	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.2	ug/m3			03/20/23 16:08	10
Trichlorofluoromethane	11	U	11	2.8	ug/m3			03/20/23 16:08	10
Freon TF	15	U	15	4.1	ug/m3			03/20/23 16:08	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			03/20/23 16:08	10
Acetone	120	U	120	38	ug/m3			03/20/23 16:08	10
Isopropyl alcohol	120	U	120	39	ug/m3			03/20/23 16:08	10
Carbon disulfide	61		16	4.0	ug/m3			03/20/23 16:08	10
3-Chloropropene	16	U	16	3.8	ug/m3			03/20/23 16:08	10
Methylene Chloride	17	U	17	6.3	ug/m3			03/20/23 16:08	10
tert-Butyl alcohol	150	U	150	36	ug/m3			03/20/23 16:08	10
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			03/20/23 16:08	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			03/20/23 16:08	10
n-Hexane	18	U	18	3.9	ug/m3			03/20/23 16:08	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			03/20/23 16:08	10
Methyl Ethyl Ketone	15	U	15	14	ug/m3			03/20/23 16:08	10
cis-1,2-Dichloroethene	2.0	U	2.0	0.83	ug/m3			03/20/23 16:08	10
1,2-Dichloroethene, Total	16	U	16	0.83	ug/m3			03/20/23 16:08	10
Chloroform	9.8	U	9.8	2.0	ug/m3			03/20/23 16:08	10
Tetrahydrofuran	150	U	150	38	ug/m3			03/20/23 16:08	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			03/20/23 16:08	10
Cyclohexane	6.9	U	6.9	2.0	ug/m3			03/20/23 16:08	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			03/20/23 16:08	10
2,2,4-Trimethylpentane	9.3	U	9.3	1.8	ug/m3			03/20/23 16:08	10
Benzene	1.4 J		6.4	1.4	ug/m3			03/20/23 16:08	10
1,2-Dichloroethane	8.1	U	8.1	3.8	ug/m3			03/20/23 16:08	10

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: SG-11

Lab Sample ID: 200-67137-11

Date Collected: 03/02/23 10:02

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	8.2	U	8.2	2.3	ug/m3			03/20/23 16:08	10
Trichloroethene	1.9	U	1.9	1.3	ug/m3			03/20/23 16:08	10
Methyl methacrylate	20	U	20	5.7	ug/m3			03/20/23 16:08	10
1,2-Dichloropropane	9.2	U	9.2	4.3	ug/m3			03/20/23 16:08	10
1,4-Dioxane	180	U	180	47	ug/m3			03/20/23 16:08	10
Bromodichloromethane	13	U	13	3.4	ug/m3			03/20/23 16:08	10
cis-1,3-Dichloropropene	9.1	U	9.1	2.0	ug/m3			03/20/23 16:08	10
methyl isobutyl ketone	20	U	20	5.3	ug/m3			03/20/23 16:08	10
Toluene	3.9	J	7.5	1.6	ug/m3			03/20/23 16:08	10
trans-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			03/20/23 16:08	10
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			03/20/23 16:08	10
Tetrachloroethene	12	J	14	1.4	ug/m3			03/20/23 16:08	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	6.1	ug/m3			03/20/23 16:08	10
Dibromochloromethane	17	U	17	5.4	ug/m3			03/20/23 16:08	10
1,2-Dibromoethane	15	U	15	3.2	ug/m3			03/20/23 16:08	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			03/20/23 16:08	10
Ethylbenzene	2.7	J	8.7	2.3	ug/m3			03/20/23 16:08	10
m,p-Xylene	22	U	22	4.1	ug/m3			03/20/23 16:08	10
Xylene, o-	2.4	J	8.7	2.3	ug/m3			03/20/23 16:08	10
Xylene (total)	2.4	J	30	2.3	ug/m3			03/20/23 16:08	10
Styrene	8.5	U	8.5	2.5	ug/m3			03/20/23 16:08	10
Bromoform	21	U	21	12	ug/m3			03/20/23 16:08	10
Cumene	9.8	U	9.8	2.0	ug/m3			03/20/23 16:08	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			03/20/23 16:08	10
n-Propylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 16:08	10
4-Ethyltoluene	9.8	U	9.8	2.4	ug/m3			03/20/23 16:08	10
1,3,5-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 16:08	10
2-Chlorotoluene	10	U	10	2.4	ug/m3			03/20/23 16:08	10
tert-Butylbenzene	11	U	11	2.6	ug/m3			03/20/23 16:08	10
1,2,4-Trimethylbenzene	9.8	U	9.8	3.9	ug/m3			03/20/23 16:08	10
sec-Butylbenzene	11	U	11	2.5	ug/m3			03/20/23 16:08	10
4-Isopropyltoluene	11	U	11	3.3	ug/m3			03/20/23 16:08	10
1,3-Dichlorobenzene	12	U	12	4.4	ug/m3			03/20/23 16:08	10
1,4-Dichlorobenzene	12	U	12	5.4	ug/m3			03/20/23 16:08	10
Benzyl chloride	10	U	10	4.6	ug/m3			03/20/23 16:08	10
n-Butylbenzene	11	U	11	6.0	ug/m3			03/20/23 16:08	10
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			03/20/23 16:08	10
1,2,4-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 16:08	10
Hexachlorobutadiene	21	U	21	12	ug/m3			03/20/23 16:08	10
Naphthalene	26	U	26	16	ug/m3			03/20/23 16:08	10
1,2,3-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 16:08	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v			N/A		03/20/23 16:08	10

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-3R

Lab Sample ID: 200-67137-12

Date Collected: 03/02/23 13:11

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.0	U	5.0	1.1	ppb v/v			03/20/23 19:38	10
Freon 22	5.0	U	5.0	1.2	ppb v/v			03/20/23 19:38	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			03/20/23 19:38	10
Chloromethane	5.0	U	5.0	1.5	ppb v/v			03/20/23 19:38	10
n-Butane	5.0	U	5.0	2.0	ppb v/v			03/20/23 19:38	10
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			03/20/23 19:38	10
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			03/20/23 19:38	10
Bromomethane	2.0	U	2.0	0.71	ppb v/v			03/20/23 19:38	10
Chloroethane	5.0	U	5.0	1.8	ppb v/v			03/20/23 19:38	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			03/20/23 19:38	10
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 19:38	10
Freon TF	2.0	U	2.0	0.53	ppb v/v			03/20/23 19:38	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			03/20/23 19:38	10
Acetone	50	U	50	16	ppb v/v			03/20/23 19:38	10
Isopropyl alcohol	50	U	50	16	ppb v/v			03/20/23 19:38	10
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			03/20/23 19:38	10
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			03/20/23 19:38	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			03/20/23 19:38	10
tert-Butyl alcohol	50	U	50	12	ppb v/v			03/20/23 19:38	10
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			03/20/23 19:38	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			03/20/23 19:38	10
n-Hexane	5.0	U	5.0	1.1	ppb v/v			03/20/23 19:38	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			03/20/23 19:38	10
Methyl Ethyl Ketone	5.0	U	5.0	4.9	ppb v/v			03/20/23 19:38	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.21	ppb v/v			03/20/23 19:38	10
1,2-Dichloroethene, Total	4.0	U	4.0	0.21	ppb v/v			03/20/23 19:38	10
Chloroform	2.0	U	2.0	0.41	ppb v/v			03/20/23 19:38	10
Tetrahydrofuran	50	U	50	13	ppb v/v			03/20/23 19:38	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			03/20/23 19:38	10
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			03/20/23 19:38	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			03/20/23 19:38	10
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			03/20/23 19:38	10
Benzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 19:38	10
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			03/20/23 19:38	10
n-Heptane	2.0	U	2.0	0.55	ppb v/v			03/20/23 19:38	10
Trichloroethene	0.35	U	0.35	0.25	ppb v/v			03/20/23 19:38	10
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			03/20/23 19:38	10
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			03/20/23 19:38	10
1,4-Dioxane	50	U	50	13	ppb v/v			03/20/23 19:38	10
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 19:38	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			03/20/23 19:38	10
methyl isobutyl ketone	5.0	U	5.0	1.3	ppb v/v			03/20/23 19:38	10
Toluene	0.43	J	2.0	0.42	ppb v/v			03/20/23 19:38	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			03/20/23 19:38	10
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			03/20/23 19:38	10
Tetrachloroethene	3.7		2.0	0.21	ppb v/v			03/20/23 19:38	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			03/20/23 19:38	10
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			03/20/23 19:38	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-3R

Lab Sample ID: 200-67137-12

Date Collected: 03/02/23 13:11

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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	2.0	U	2.0	0.42	ppb v/v			03/20/23 19:38	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 19:38	10
Ethylbenzene	2.0	U	2.0	0.52	ppb v/v			03/20/23 19:38	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			03/20/23 19:38	10
Xylene, o-	2.0	U	2.0	0.52	ppb v/v			03/20/23 19:38	10
Xylene (total)	7.0	U	7.0	0.52	ppb v/v			03/20/23 19:38	10
Styrene	2.0	U	2.0	0.59	ppb v/v			03/20/23 19:38	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			03/20/23 19:38	10
Cumene	2.0	U	2.0	0.41	ppb v/v			03/20/23 19:38	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			03/20/23 19:38	10
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 19:38	10
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			03/20/23 19:38	10
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 19:38	10
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			03/20/23 19:38	10
tert-Butylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 19:38	10
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			03/20/23 19:38	10
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			03/20/23 19:38	10
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			03/20/23 19:38	10
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			03/20/23 19:38	10
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			03/20/23 19:38	10
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			03/20/23 19:38	10
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			03/20/23 19:38	10
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			03/20/23 19:38	10
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			03/20/23 19:38	10
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			03/20/23 19:38	10
Naphthalene	7.1		5.0	3.0	ppb v/v			03/20/23 19:38	10
1,2,3-Trichlorobenzene	5.0	U	5.0	3.2	ppb v/v			03/20/23 19:38	10
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	5.4	ug/m3			03/20/23 19:38	10
Freon 22	18	U	18	4.2	ug/m3			03/20/23 19:38	10
1,2-Dichlorotetrafluoroethane	14	U	14	3.4	ug/m3			03/20/23 19:38	10
Chloromethane	10	U	10	3.1	ug/m3			03/20/23 19:38	10
n-Butane	12	U	12	4.8	ug/m3			03/20/23 19:38	10
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			03/20/23 19:38	10
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			03/20/23 19:38	10
Bromomethane	7.8	U	7.8	2.8	ug/m3			03/20/23 19:38	10
Chloroethane	13	U	13	4.7	ug/m3			03/20/23 19:38	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.2	ug/m3			03/20/23 19:38	10
Trichlorofluoromethane	11	U	11	2.8	ug/m3			03/20/23 19:38	10
Freon TF	15	U	15	4.1	ug/m3			03/20/23 19:38	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			03/20/23 19:38	10
Acetone	120	U	120	38	ug/m3			03/20/23 19:38	10
Isopropyl alcohol	120	U	120	39	ug/m3			03/20/23 19:38	10
Carbon disulfide	16	U	16	4.0	ug/m3			03/20/23 19:38	10
3-Chloropropene	16	U	16	3.8	ug/m3			03/20/23 19:38	10
Methylene Chloride	17	U	17	6.3	ug/m3			03/20/23 19:38	10
tert-Butyl alcohol	150	U	150	36	ug/m3			03/20/23 19:38	10
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			03/20/23 19:38	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-3R

Lab Sample ID: 200-67137-12

Date Collected: 03/02/23 13:11

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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	7.9	U	7.9	0.91	ug/m3			03/20/23 19:38	10
n-Hexane	18	U	18	3.9	ug/m3			03/20/23 19:38	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			03/20/23 19:38	10
Methyl Ethyl Ketone	15	U	15	14	ug/m3			03/20/23 19:38	10
cis-1,2-Dichloroethene	2.0	U	2.0	0.83	ug/m3			03/20/23 19:38	10
1,2-Dichloroethene, Total	16	U	16	0.83	ug/m3			03/20/23 19:38	10
Chloroform	9.8	U	9.8	2.0	ug/m3			03/20/23 19:38	10
Tetrahydrofuran	150	U	150	38	ug/m3			03/20/23 19:38	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			03/20/23 19:38	10
Cyclohexane	6.9	U	6.9	2.0	ug/m3			03/20/23 19:38	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			03/20/23 19:38	10
2,2,4-Trimethylpentane	9.3	U	9.3	1.8	ug/m3			03/20/23 19:38	10
Benzene	6.4	U	6.4	1.4	ug/m3			03/20/23 19:38	10
1,2-Dichloroethane	8.1	U	8.1	3.8	ug/m3			03/20/23 19:38	10
n-Heptane	8.2	U	8.2	2.3	ug/m3			03/20/23 19:38	10
Trichloroethene	1.9	U	1.9	1.3	ug/m3			03/20/23 19:38	10
Methyl methacrylate	20	U	20	5.7	ug/m3			03/20/23 19:38	10
1,2-Dichloropropane	9.2	U	9.2	4.3	ug/m3			03/20/23 19:38	10
1,4-Dioxane	180	U	180	47	ug/m3			03/20/23 19:38	10
Bromodichloromethane	13	U	13	3.4	ug/m3			03/20/23 19:38	10
cis-1,3-Dichloropropene	9.1	U	9.1	2.0	ug/m3			03/20/23 19:38	10
methyl isobutyl ketone	20	U	20	5.3	ug/m3			03/20/23 19:38	10
Toluene	1.6	J	7.5	1.6	ug/m3			03/20/23 19:38	10
trans-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			03/20/23 19:38	10
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			03/20/23 19:38	10
Tetrachloroethene	25		14	1.4	ug/m3			03/20/23 19:38	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	6.1	ug/m3			03/20/23 19:38	10
Dibromochloromethane	17	U	17	5.4	ug/m3			03/20/23 19:38	10
1,2-Dibromoethane	15	U	15	3.2	ug/m3			03/20/23 19:38	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			03/20/23 19:38	10
Ethylbenzene	8.7	U	8.7	2.3	ug/m3			03/20/23 19:38	10
m,p-Xylene	22	U	22	4.1	ug/m3			03/20/23 19:38	10
Xylene, o-	8.7	U	8.7	2.3	ug/m3			03/20/23 19:38	10
Xylene (total)	30	U	30	2.3	ug/m3			03/20/23 19:38	10
Styrene	8.5	U	8.5	2.5	ug/m3			03/20/23 19:38	10
Bromoform	21	U	21	12	ug/m3			03/20/23 19:38	10
Cumene	9.8	U	9.8	2.0	ug/m3			03/20/23 19:38	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			03/20/23 19:38	10
n-Propylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 19:38	10
4-Ethyltoluene	9.8	U	9.8	2.4	ug/m3			03/20/23 19:38	10
1,3,5-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 19:38	10
2-Chlorotoluene	10	U	10	2.4	ug/m3			03/20/23 19:38	10
tert-Butylbenzene	11	U	11	2.6	ug/m3			03/20/23 19:38	10
1,2,4-Trimethylbenzene	9.8	U	9.8	3.9	ug/m3			03/20/23 19:38	10
sec-Butylbenzene	11	U	11	2.5	ug/m3			03/20/23 19:38	10
4-Isopropyltoluene	11	U	11	3.3	ug/m3			03/20/23 19:38	10
1,3-Dichlorobenzene	12	U	12	4.4	ug/m3			03/20/23 19:38	10
1,4-Dichlorobenzene	12	U	12	5.4	ug/m3			03/20/23 19:38	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-3R

Lab Sample ID: 200-67137-12

Date Collected: 03/02/23 13:11

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	10	U	10	4.6	ug/m3			03/20/23 19:38	10
n-Butylbenzene	11	U	11	6.0	ug/m3			03/20/23 19:38	10
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			03/20/23 19:38	10
1,2,4-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 19:38	10
Hexachlorobutadiene	21	U	21	12	ug/m3			03/20/23 19:38	10
Naphthalene	37		26	16	ug/m3			03/20/23 19:38	10
1,2,3-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 19:38	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v			N/A		03/20/23 19:38	10

Client Sample ID: VMP-4R

Lab Sample ID: 200-67137-13

Date Collected: 03/02/23 12:57

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.0	U	5.0	1.1	ppb v/v			03/20/23 20:30	10
Freon 22	5.0	U	5.0	1.2	ppb v/v			03/20/23 20:30	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			03/20/23 20:30	10
Chloromethane	5.0	U	5.0	1.5	ppb v/v			03/20/23 20:30	10
n-Butane	5.0	U	5.0	2.0	ppb v/v			03/20/23 20:30	10
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			03/20/23 20:30	10
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			03/20/23 20:30	10
Bromomethane	2.0	U	2.0	0.71	ppb v/v			03/20/23 20:30	10
Chloroethane	5.0	U	5.0	1.8	ppb v/v			03/20/23 20:30	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			03/20/23 20:30	10
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 20:30	10
Freon TF	2.0	U	2.0	0.53	ppb v/v			03/20/23 20:30	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			03/20/23 20:30	10
Acetone	50	U	50	16	ppb v/v			03/20/23 20:30	10
Isopropyl alcohol	50	U	50	16	ppb v/v			03/20/23 20:30	10
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			03/20/23 20:30	10
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			03/20/23 20:30	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			03/20/23 20:30	10
tert-Butyl alcohol	50	U	50	12	ppb v/v			03/20/23 20:30	10
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			03/20/23 20:30	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			03/20/23 20:30	10
n-Hexane	1.5	J	5.0	1.1	ppb v/v			03/20/23 20:30	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			03/20/23 20:30	10
Methyl Ethyl Ketone	5.0	U	5.0	4.9	ppb v/v			03/20/23 20:30	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.21	ppb v/v			03/20/23 20:30	10
1,2-Dichloroethene, Total	4.0	U	4.0	0.21	ppb v/v			03/20/23 20:30	10
Chloroform	2.0	U	2.0	0.41	ppb v/v			03/20/23 20:30	10
Tetrahydrofuran	50	U	50	13	ppb v/v			03/20/23 20:30	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			03/20/23 20:30	10
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			03/20/23 20:30	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			03/20/23 20:30	10

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-4R

Lab Sample ID: 200-67137-13

Date Collected: 03/02/23 12:57

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			03/20/23 20:30	10
Benzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 20:30	10
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			03/20/23 20:30	10
n-Heptane	2.0	U	2.0	0.55	ppb v/v			03/20/23 20:30	10
Trichloroethene	0.30	J	0.35	0.25	ppb v/v			03/20/23 20:30	10
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			03/20/23 20:30	10
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			03/20/23 20:30	10
1,4-Dioxane	50	U	50	13	ppb v/v			03/20/23 20:30	10
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			03/20/23 20:30	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			03/20/23 20:30	10
methyl isobutyl ketone	5.0	U	5.0	1.3	ppb v/v			03/20/23 20:30	10
Toluene	0.63	J	2.0	0.42	ppb v/v			03/20/23 20:30	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			03/20/23 20:30	10
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			03/20/23 20:30	10
Tetrachloroethene	22		2.0	0.21	ppb v/v			03/20/23 20:30	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			03/20/23 20:30	10
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			03/20/23 20:30	10
1,2-Dibromoethane	2.0	U	2.0	0.42	ppb v/v			03/20/23 20:30	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			03/20/23 20:30	10
Ethylbenzene	0.58	J	2.0	0.52	ppb v/v			03/20/23 20:30	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			03/20/23 20:30	10
Xylene, o-	0.57	J	2.0	0.52	ppb v/v			03/20/23 20:30	10
Xylene (total)	0.57	J	7.0	0.52	ppb v/v			03/20/23 20:30	10
Styrene	2.0	U	2.0	0.59	ppb v/v			03/20/23 20:30	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			03/20/23 20:30	10
Cumene	2.0	U	2.0	0.41	ppb v/v			03/20/23 20:30	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			03/20/23 20:30	10
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 20:30	10
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			03/20/23 20:30	10
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 20:30	10
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			03/20/23 20:30	10
tert-Butylbenzene	2.0	U	2.0	0.47	ppb v/v			03/20/23 20:30	10
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			03/20/23 20:30	10
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			03/20/23 20:30	10
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			03/20/23 20:30	10
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			03/20/23 20:30	10
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			03/20/23 20:30	10
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			03/20/23 20:30	10
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			03/20/23 20:30	10
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			03/20/23 20:30	10
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			03/20/23 20:30	10
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			03/20/23 20:30	10
Naphthalene	5.0	U	5.0	3.0	ppb v/v			03/20/23 20:30	10
1,2,3-Trichlorobenzene	5.0	U	5.0	3.2	ppb v/v			03/20/23 20:30	10
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	25	U	25	5.4	ug/m3			03/20/23 20:30	10
Freon 22	18	U	18	4.2	ug/m3			03/20/23 20:30	10
1,2-Dichlorotetrafluoroethane	14	U	14	3.4	ug/m3			03/20/23 20:30	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-4R

Lab Sample ID: 200-67137-13

Date Collected: 03/02/23 12:57

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	10	U	10	3.1	ug/m3			03/20/23 20:30	10
n-Butane	12	U	12	4.8	ug/m3			03/20/23 20:30	10
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			03/20/23 20:30	10
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			03/20/23 20:30	10
Bromomethane	7.8	U	7.8	2.8	ug/m3			03/20/23 20:30	10
Chloroethane	13	U	13	4.7	ug/m3			03/20/23 20:30	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.2	ug/m3			03/20/23 20:30	10
Trichlorofluoromethane	11	U	11	2.8	ug/m3			03/20/23 20:30	10
Freon TF	15	U	15	4.1	ug/m3			03/20/23 20:30	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			03/20/23 20:30	10
Acetone	120	U	120	38	ug/m3			03/20/23 20:30	10
Isopropyl alcohol	120	U	120	39	ug/m3			03/20/23 20:30	10
Carbon disulfide	16	U	16	4.0	ug/m3			03/20/23 20:30	10
3-Chloropropene	16	U	16	3.8	ug/m3			03/20/23 20:30	10
Methylene Chloride	17	U	17	6.3	ug/m3			03/20/23 20:30	10
tert-Butyl alcohol	150	U	150	36	ug/m3			03/20/23 20:30	10
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			03/20/23 20:30	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			03/20/23 20:30	10
n-Hexane	5.4 J		18	3.9	ug/m3			03/20/23 20:30	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			03/20/23 20:30	10
Methyl Ethyl Ketone	15	U	15	14	ug/m3			03/20/23 20:30	10
cis-1,2-Dichloroethene	2.0	U	2.0	0.83	ug/m3			03/20/23 20:30	10
1,2-Dichloroethene, Total	16	U	16	0.83	ug/m3			03/20/23 20:30	10
Chloroform	9.8	U	9.8	2.0	ug/m3			03/20/23 20:30	10
Tetrahydrofuran	150	U	150	38	ug/m3			03/20/23 20:30	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			03/20/23 20:30	10
Cyclohexane	6.9	U	6.9	2.0	ug/m3			03/20/23 20:30	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			03/20/23 20:30	10
2,2,4-Trimethylpentane	9.3	U	9.3	1.8	ug/m3			03/20/23 20:30	10
Benzene	6.4	U	6.4	1.4	ug/m3			03/20/23 20:30	10
1,2-Dichloroethane	8.1	U	8.1	3.8	ug/m3			03/20/23 20:30	10
n-Heptane	8.2	U	8.2	2.3	ug/m3			03/20/23 20:30	10
Trichloroethene	1.6 J		1.9	1.3	ug/m3			03/20/23 20:30	10
Methyl methacrylate	20	U	20	5.7	ug/m3			03/20/23 20:30	10
1,2-Dichloropropane	9.2	U	9.2	4.3	ug/m3			03/20/23 20:30	10
1,4-Dioxane	180	U	180	47	ug/m3			03/20/23 20:30	10
Bromodichloromethane	13	U	13	3.4	ug/m3			03/20/23 20:30	10
cis-1,3-Dichloropropene	9.1	U	9.1	2.0	ug/m3			03/20/23 20:30	10
methyl isobutyl ketone	20	U	20	5.3	ug/m3			03/20/23 20:30	10
Toluene	2.4 J		7.5	1.6	ug/m3			03/20/23 20:30	10
trans-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			03/20/23 20:30	10
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			03/20/23 20:30	10
Tetrachloroethene	150		14	1.4	ug/m3			03/20/23 20:30	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	6.1	ug/m3			03/20/23 20:30	10
Dibromochloromethane	17	U	17	5.4	ug/m3			03/20/23 20:30	10
1,2-Dibromoethane	15	U	15	3.2	ug/m3			03/20/23 20:30	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			03/20/23 20:30	10
Ethylbenzene	2.5 J		8.7	2.3	ug/m3			03/20/23 20:30	10

Eurofins Burlington

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-4R

Lab Sample ID: 200-67137-13

Date Collected: 03/02/23 12:57

Matrix: Air

Date Received: 03/04/23 10:25

Sample Container: Summa Canister 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	22	U	22	4.1	ug/m3			03/20/23 20:30	10
Xylene, o-	2.5	J	8.7	2.3	ug/m3			03/20/23 20:30	10
Xylene (total)	2.5	J	30	2.3	ug/m3			03/20/23 20:30	10
Styrene	8.5	U	8.5	2.5	ug/m3			03/20/23 20:30	10
Bromoform	21	U	21	12	ug/m3			03/20/23 20:30	10
Cumene	9.8	U	9.8	2.0	ug/m3			03/20/23 20:30	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			03/20/23 20:30	10
n-Propylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 20:30	10
4-Ethyltoluene	9.8	U	9.8	2.4	ug/m3			03/20/23 20:30	10
1,3,5-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			03/20/23 20:30	10
2-Chlorotoluene	10	U	10	2.4	ug/m3			03/20/23 20:30	10
tert-Butylbenzene	11	U	11	2.6	ug/m3			03/20/23 20:30	10
1,2,4-Trimethylbenzene	9.8	U	9.8	3.9	ug/m3			03/20/23 20:30	10
sec-Butylbenzene	11	U	11	2.5	ug/m3			03/20/23 20:30	10
4-Isopropyltoluene	11	U	11	3.3	ug/m3			03/20/23 20:30	10
1,3-Dichlorobenzene	12	U	12	4.4	ug/m3			03/20/23 20:30	10
1,4-Dichlorobenzene	12	U	12	5.4	ug/m3			03/20/23 20:30	10
Benzyl chloride	10	U	10	4.6	ug/m3			03/20/23 20:30	10
n-Butylbenzene	11	U	11	6.0	ug/m3			03/20/23 20:30	10
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			03/20/23 20:30	10
1,2,4-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 20:30	10
Hexachlorobutadiene	21	U	21	12	ug/m3			03/20/23 20:30	10
Naphthalene	26	U	26	16	ug/m3			03/20/23 20:30	10
1,2,3-Trichlorobenzene	37	U	37	24	ug/m3			03/20/23 20:30	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v			N/A		03/20/23 20:30	10

Default Detection Limits

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	0.20	0.044	ppb v/v
1,1,1-Trichloroethane	1.1	0.24	ug/m3
1,1,2,2-Tetrachloroethane	0.20	0.043	ppb v/v
1,1,2,2-Tetrachloroethane	1.4	0.30	ug/m3
1,1,2-Trichloroethane	0.20	0.074	ppb v/v
1,1,2-Trichloroethane	1.1	0.40	ug/m3
1,1-Dichloroethane	0.20	0.025	ppb v/v
1,1-Dichloroethane	0.81	0.10	ug/m3
1,1-Dichloroethene	0.035	0.026	ppb v/v
1,1-Dichloroethene	0.14	0.10	ug/m3
1,2,3-Trichlorobenzene	0.50	0.32	ppb v/v
1,2,3-Trichlorobenzene	3.7	2.4	ug/m3
1,2,4-Trichlorobenzene	0.50	0.33	ppb v/v
1,2,4-Trichlorobenzene	3.7	2.4	ug/m3
1,2,4-Trimethylbenzene	0.20	0.080	ppb v/v
1,2,4-Trimethylbenzene	0.98	0.39	ug/m3
1,2-Dibromoethane	0.20	0.042	ppb v/v
1,2-Dibromoethane	1.5	0.32	ug/m3
1,2-Dichlorobenzene	0.20	0.066	ppb v/v
1,2-Dichlorobenzene	1.2	0.40	ug/m3
1,2-Dichloroethane	0.20	0.093	ppb v/v
1,2-Dichloroethane	0.81	0.38	ug/m3
1,2-Dichloroethene, Total	0.40	0.021	ppb v/v
1,2-Dichloroethene, Total	1.6	0.083	ug/m3
1,2-Dichloropropane	0.20	0.094	ppb v/v
1,2-Dichloropropane	0.92	0.43	ug/m3
1,2-Dichlorotetrafluoroethane	0.20	0.048	ppb v/v
1,2-Dichlorotetrafluoroethane	1.4	0.34	ug/m3
1,3,5-Trimethylbenzene	0.20	0.047	ppb v/v
1,3,5-Trimethylbenzene	0.98	0.23	ug/m3
1,3-Butadiene	0.20	0.039	ppb v/v
1,3-Butadiene	0.44	0.086	ug/m3
1,3-Dichlorobenzene	0.20	0.074	ppb v/v
1,3-Dichlorobenzene	1.2	0.44	ug/m3
1,4-Dichlorobenzene	0.20	0.089	ppb v/v
1,4-Dichlorobenzene	1.2	0.54	ug/m3
1,4-Dioxane	5.0	1.3	ppb v/v
1,4-Dioxane	18	4.7	ug/m3
2,2,4-Trimethylpentane	0.20	0.038	ppb v/v
2,2,4-Trimethylpentane	0.93	0.18	ug/m3
2-Chlorotoluene	0.20	0.046	ppb v/v
2-Chlorotoluene	1.0	0.24	ug/m3
3-Chloropropene	0.50	0.12	ppb v/v
3-Chloropropene	1.6	0.38	ug/m3
4-Ethyltoluene	0.20	0.049	ppb v/v
4-Ethyltoluene	0.98	0.24	ug/m3
4-Isopropyltoluene	0.20	0.061	ppb v/v
4-Isopropyltoluene	1.1	0.33	ug/m3
Acetone	5.0	1.6	ppb v/v
Acetone	12	3.8	ug/m3
Benzene	0.20	0.044	ppb v/v
Benzene	0.64	0.14	ug/m3
Benzyl chloride	0.20	0.088	ppb v/v

Eurofins Burlington

Default Detection Limits

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Analyte	RL	MDL	Units
Benzyl chloride	1.0	0.46	ug/m3
Bromodichloromethane	0.20	0.050	ppb v/v
Bromodichloromethane	1.3	0.34	ug/m3
Bromoethene(Vinyl Bromide)	0.20	0.050	ppb v/v
Bromoethene(Vinyl Bromide)	0.87	0.22	ug/m3
Bromoform	0.20	0.12	ppb v/v
Bromoform	2.1	1.2	ug/m3
Bromomethane	0.20	0.071	ppb v/v
Bromomethane	0.78	0.28	ug/m3
Carbon disulfide	0.50	0.13	ppb v/v
Carbon disulfide	1.6	0.40	ug/m3
Carbon tetrachloride	0.035	0.022	ppb v/v
Carbon tetrachloride	0.22	0.14	ug/m3
Chlorobenzene	0.20	0.044	ppb v/v
Chlorobenzene	0.92	0.20	ug/m3
Chloroethane	0.50	0.18	ppb v/v
Chloroethane	1.3	0.47	ug/m3
Chloroform	0.20	0.041	ppb v/v
Chloroform	0.98	0.20	ug/m3
Chloromethane	0.50	0.15	ppb v/v
Chloromethane	1.0	0.31	ug/m3
cis-1,2-Dichloroethene	0.050	0.021	ppb v/v
cis-1,2-Dichloroethene	0.20	0.083	ug/m3
cis-1,3-Dichloropropene	0.20	0.045	ppb v/v
cis-1,3-Dichloropropene	0.91	0.20	ug/m3
Cumene	0.20	0.041	ppb v/v
Cumene	0.98	0.20	ug/m3
Cyclohexane	0.20	0.058	ppb v/v
Cyclohexane	0.69	0.20	ug/m3
Dibromochloromethane	0.20	0.063	ppb v/v
Dibromochloromethane	1.7	0.54	ug/m3
Dichlorodifluoromethane	0.50	0.11	ppb v/v
Dichlorodifluoromethane	2.5	0.54	ug/m3
Ethylbenzene	0.20	0.052	ppb v/v
Ethylbenzene	0.87	0.23	ug/m3
Freon 22	0.50	0.12	ppb v/v
Freon 22	1.8	0.42	ug/m3
Freon TF	0.20	0.053	ppb v/v
Freon TF	1.5	0.41	ug/m3
Hexachlorobutadiene	0.20	0.11	ppb v/v
Hexachlorobutadiene	2.1	1.2	ug/m3
Isopropyl alcohol	5.0	1.6	ppb v/v
Isopropyl alcohol	12	3.9	ug/m3
m,p-Xylene	0.50	0.095	ppb v/v
m,p-Xylene	2.2	0.41	ug/m3
Methyl Butyl Ketone (2-Hexanone)	0.50	0.15	ppb v/v
Methyl Butyl Ketone (2-Hexanone)	2.0	0.61	ug/m3
Methyl Ethyl Ketone	0.50	0.49	ppb v/v
Methyl Ethyl Ketone	1.5	1.4	ug/m3
methyl isobutyl ketone	0.50	0.13	ppb v/v
methyl isobutyl ketone	2.0	0.53	ug/m3
Methyl methacrylate	0.50	0.14	ppb v/v
Methyl methacrylate	2.0	0.57	ug/m3

Eurofins Burlington

Default Detection Limits

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Analyte	RL	MDL	Units
Methyl tert-butyl ether	0.20	0.036	ppb v/v
Methyl tert-butyl ether	0.72	0.13	ug/m3
Methylene Chloride	0.50	0.18	ppb v/v
Methylene Chloride	1.7	0.63	ug/m3
Naphthalene	0.50	0.30	ppb v/v
Naphthalene	2.6	1.6	ug/m3
n-Butane	0.50	0.20	ppb v/v
n-Butane	1.2	0.48	ug/m3
n-Butylbenzene	0.20	0.11	ppb v/v
n-Butylbenzene	1.1	0.60	ug/m3
n-Heptane	0.20	0.055	ppb v/v
n-Heptane	0.82	0.23	ug/m3
n-Hexane	0.50	0.11	ppb v/v
n-Hexane	1.8	0.39	ug/m3
n-Propylbenzene	0.20	0.047	ppb v/v
n-Propylbenzene	0.98	0.23	ug/m3
sec-Butylbenzene	0.20	0.045	ppb v/v
sec-Butylbenzene	1.1	0.25	ug/m3
Styrene	0.20	0.059	ppb v/v
Styrene	0.85	0.25	ug/m3
tert-Butyl alcohol	5.0	1.2	ppb v/v
tert-Butyl alcohol	15	3.6	ug/m3
tert-Butylbenzene	0.20	0.047	ppb v/v
tert-Butylbenzene	1.1	0.26	ug/m3
Tetrachloroethene	0.20	0.021	ppb v/v
Tetrachloroethene	1.4	0.14	ug/m3
Tetrahydrofuran	5.0	1.3	ppb v/v
Tetrahydrofuran	15	3.8	ug/m3
Toluene	0.20	0.042	ppb v/v
Toluene	0.75	0.16	ug/m3
trans-1,2-Dichloroethene	0.20	0.023	ppb v/v
trans-1,2-Dichloroethene	0.79	0.091	ug/m3
trans-1,3-Dichloropropene	0.20	0.054	ppb v/v
trans-1,3-Dichloropropene	0.91	0.25	ug/m3
Trichloroethene	0.035	0.025	ppb v/v
Trichloroethene	0.19	0.13	ug/m3
Trichlorofluoromethane	0.20	0.050	ppb v/v
Trichlorofluoromethane	1.1	0.28	ug/m3
Vinyl chloride	0.078	0.021	ppb v/v
Vinyl chloride	0.20	0.054	ug/m3
Xylene (total)	0.70	0.052	ppb v/v
Xylene (total)	3.0	0.23	ug/m3
Xylene, o-	0.20	0.052	ppb v/v
Xylene, o-	0.87	0.23	ug/m3

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: MB 200-189477/4

Matrix: Air

Analysis Batch: 189477

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			03/19/23 12:29	1
Freon 22	0.50	U	0.50	0.12	ppb v/v			03/19/23 12:29	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			03/19/23 12:29	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			03/19/23 12:29	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			03/19/23 12:29	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			03/19/23 12:29	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			03/19/23 12:29	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			03/19/23 12:29	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			03/19/23 12:29	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			03/19/23 12:29	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			03/19/23 12:29	1
Freon TF	0.20	U	0.20	0.053	ppb v/v			03/19/23 12:29	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			03/19/23 12:29	1
Acetone	5.0	U	5.0	1.6	ppb v/v			03/19/23 12:29	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			03/19/23 12:29	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			03/19/23 12:29	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			03/19/23 12:29	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			03/19/23 12:29	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			03/19/23 12:29	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			03/19/23 12:29	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			03/19/23 12:29	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			03/19/23 12:29	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			03/19/23 12:29	1
Methyl Ethyl Ketone	0.50	U	0.50	0.49	ppb v/v			03/19/23 12:29	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			03/19/23 12:29	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			03/19/23 12:29	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			03/19/23 12:29	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			03/19/23 12:29	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			03/19/23 12:29	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			03/19/23 12:29	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			03/19/23 12:29	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			03/19/23 12:29	1
Benzene	0.20	U	0.20	0.044	ppb v/v			03/19/23 12:29	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			03/19/23 12:29	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			03/19/23 12:29	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			03/19/23 12:29	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			03/19/23 12:29	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			03/19/23 12:29	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			03/19/23 12:29	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			03/19/23 12:29	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			03/19/23 12:29	1
methyl isobutyl ketone	0.50	U	0.50	0.13	ppb v/v			03/19/23 12:29	1
Toluene	0.20	U	0.20	0.042	ppb v/v			03/19/23 12:29	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			03/19/23 12:29	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			03/19/23 12:29	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			03/19/23 12:29	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			03/19/23 12:29	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			03/19/23 12:29	1

Eurofins Burlington

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: MB 200-189477/4

Matrix: Air

Analysis Batch: 189477

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	0.20	U	0.20	0.042	ppb v/v			03/19/23 12:29	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			03/19/23 12:29	1
Ethylbenzene	0.20	U	0.20	0.052	ppb v/v			03/19/23 12:29	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			03/19/23 12:29	1
Xylene, o-	0.20	U	0.20	0.052	ppb v/v			03/19/23 12:29	1
Xylene (total)	0.70	U	0.70	0.052	ppb v/v			03/19/23 12:29	1
Styrene	0.20	U	0.20	0.059	ppb v/v			03/19/23 12:29	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			03/19/23 12:29	1
Cumene	0.20	U	0.20	0.041	ppb v/v			03/19/23 12:29	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/19/23 12:29	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			03/19/23 12:29	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			03/19/23 12:29	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			03/19/23 12:29	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			03/19/23 12:29	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			03/19/23 12:29	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			03/19/23 12:29	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			03/19/23 12:29	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			03/19/23 12:29	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			03/19/23 12:29	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			03/19/23 12:29	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			03/19/23 12:29	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			03/19/23 12:29	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			03/19/23 12:29	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			03/19/23 12:29	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			03/19/23 12:29	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			03/19/23 12:29	1
1,2,3-Trichlorobenzene	0.50	U	0.50	0.32	ppb v/v			03/19/23 12:29	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			03/19/23 12:29	1
Freon 22	1.8	U	1.8	0.42	ug/m3			03/19/23 12:29	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			03/19/23 12:29	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			03/19/23 12:29	1
n-Butane	1.2	U	1.2	0.48	ug/m3			03/19/23 12:29	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			03/19/23 12:29	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			03/19/23 12:29	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			03/19/23 12:29	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			03/19/23 12:29	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			03/19/23 12:29	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			03/19/23 12:29	1
Freon TF	1.5	U	1.5	0.41	ug/m3			03/19/23 12:29	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			03/19/23 12:29	1
Acetone	12	U	12	3.8	ug/m3			03/19/23 12:29	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			03/19/23 12:29	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			03/19/23 12:29	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			03/19/23 12:29	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			03/19/23 12:29	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			03/19/23 12:29	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			03/19/23 12:29	1

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: MB 200-189477/4

Matrix: Air

Analysis Batch: 189477

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			03/19/23 12:29	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			03/19/23 12:29	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			03/19/23 12:29	1
Methyl Ethyl Ketone	1.5	U	1.5	1.4	ug/m3			03/19/23 12:29	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			03/19/23 12:29	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			03/19/23 12:29	1
Chloroform	0.98	U	0.98	0.20	ug/m3			03/19/23 12:29	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			03/19/23 12:29	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			03/19/23 12:29	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			03/19/23 12:29	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			03/19/23 12:29	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			03/19/23 12:29	1
Benzene	0.64	U	0.64	0.14	ug/m3			03/19/23 12:29	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			03/19/23 12:29	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			03/19/23 12:29	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			03/19/23 12:29	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			03/19/23 12:29	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			03/19/23 12:29	1
1,4-Dioxane	18	U	18	4.7	ug/m3			03/19/23 12:29	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			03/19/23 12:29	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			03/19/23 12:29	1
methyl isobutyl ketone	2.0	U	2.0	0.53	ug/m3			03/19/23 12:29	1
Toluene	0.75	U	0.75	0.16	ug/m3			03/19/23 12:29	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			03/19/23 12:29	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			03/19/23 12:29	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			03/19/23 12:29	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			03/19/23 12:29	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			03/19/23 12:29	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			03/19/23 12:29	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			03/19/23 12:29	1
Ethylbenzene	0.87	U	0.87	0.23	ug/m3			03/19/23 12:29	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			03/19/23 12:29	1
Xylene, o-	0.87	U	0.87	0.23	ug/m3			03/19/23 12:29	1
Xylene (total)	3.0	U	3.0	0.23	ug/m3			03/19/23 12:29	1
Styrene	0.85	U	0.85	0.25	ug/m3			03/19/23 12:29	1
Bromoform	2.1	U	2.1	1.2	ug/m3			03/19/23 12:29	1
Cumene	0.98	U	0.98	0.20	ug/m3			03/19/23 12:29	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/19/23 12:29	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			03/19/23 12:29	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			03/19/23 12:29	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			03/19/23 12:29	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			03/19/23 12:29	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			03/19/23 12:29	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			03/19/23 12:29	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			03/19/23 12:29	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			03/19/23 12:29	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			03/19/23 12:29	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			03/19/23 12:29	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			03/19/23 12:29	1

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: MB 200-189477/4

Matrix: Air

Analysis Batch: 189477

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			03/19/23 12:29	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			03/19/23 12:29	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/19/23 12:29	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			03/19/23 12:29	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			03/19/23 12:29	1
1,2,3-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/19/23 12:29	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v			N/A		03/19/23 12:29	1

Lab Sample ID: LCS 200-189477/5

Matrix: Air

Analysis Batch: 189477

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10.0	10.3		ppb v/v		103	61 - 142
Freon 22	10.0	10.3		ppb v/v		103	60 - 147
1,2-Dichlorotetrafluoroethane	10.0	10.1		ppb v/v		101	71 - 141
Chloromethane	10.0	10.2		ppb v/v		102	56 - 141
n-Butane	10.0	10.4		ppb v/v		104	53 - 151
Vinyl chloride	10.0	10.1		ppb v/v		101	61 - 135
1,3-Butadiene	10.0	9.46		ppb v/v		95	58 - 139
Bromomethane	10.0	10.2		ppb v/v		102	72 - 124
Chloroethane	10.0	10.4		ppb v/v		104	68 - 130
Bromoethene(Vinyl Bromide)	10.0	8.57		ppb v/v		86	75 - 125
Trichlorofluoromethane	10.0	8.90		ppb v/v		89	70 - 129
Freon TF	10.0	10.0		ppb v/v		100	70 - 121
1,1-Dichloroethene	10.0	9.19		ppb v/v		92	68 - 120
Acetone	10.0	10.4		ppb v/v		104	54 - 154
Isopropyl alcohol	10.0	10.5		ppb v/v		105	53 - 142
Carbon disulfide	10.0	10.3		ppb v/v		103	71 - 138
3-Chloropropene	10.0	9.90		ppb v/v		99	50 - 150
Methylene Chloride	10.0	9.89		ppb v/v		99	59 - 137
tert-Butyl alcohol	10.0	10.1		ppb v/v		101	66 - 132
Methyl tert-butyl ether	10.0	9.82		ppb v/v		98	70 - 127
trans-1,2-Dichloroethene	10.0	9.94		ppb v/v		99	69 - 137
n-Hexane	10.0	9.55		ppb v/v		96	63 - 138
1,1-Dichloroethane	10.0	10.3		ppb v/v		103	66 - 130
Methyl Ethyl Ketone	10.0	9.51		ppb v/v		95	72 - 124
cis-1,2-Dichloroethene	10.0	10.1		ppb v/v		101	72 - 121
Chloroform	10.0	9.82		ppb v/v		98	73 - 124
Tetrahydrofuran	10.0	11.3		ppb v/v		113	60 - 149
1,1,1-Trichloroethane	10.0	10.3		ppb v/v		103	72 - 127
Cyclohexane	10.0	10.3		ppb v/v		103	76 - 124
Carbon tetrachloride	10.0	11.2		ppb v/v		112	71 - 133
2,2,4-Trimethylpentane	10.0	10.2		ppb v/v		102	68 - 131
Benzene	10.0	10.2		ppb v/v		102	73 - 119
1,2-Dichloroethane	10.0	10.3		ppb v/v		103	68 - 135

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: LCS 200-189477/5

Matrix: Air

Analysis Batch: 189477

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Heptane	10.0	10.0		ppb v/v		100	60 - 142
Trichloroethene	10.0	10.4		ppb v/v		104	73 - 122
Methyl methacrylate	10.0	10.2		ppb v/v		102	73 - 129
1,2-Dichloropropane	10.0	10.7		ppb v/v		107	69 - 128
1,4-Dioxane	10.0	11.2		ppb v/v		112	66 - 129
Bromodichloromethane	10.0	10.5		ppb v/v		106	75 - 127
cis-1,3-Dichloropropene	10.0	10.4		ppb v/v		104	74 - 125
methyl isobutyl ketone	10.0	8.77		ppb v/v		88	58 - 144
Toluene	10.0	9.82		ppb v/v		98	75 - 122
trans-1,3-Dichloropropene	10.0	9.90		ppb v/v		99	74 - 128
1,1,2-Trichloroethane	10.0	9.85		ppb v/v		98	75 - 126
Tetrachloroethene	10.0	10.5		ppb v/v		105	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3		ppb v/v		103	57 - 143
Dibromochloromethane	10.0	10.5		ppb v/v		105	73 - 125
1,2-Dibromoethane	10.0	10.6		ppb v/v		106	78 - 122
Chlorobenzene	10.0	10.6		ppb v/v		106	76 - 119
Ethylbenzene	10.0	10.1		ppb v/v		101	74 - 122
m,p-Xylene	20.0	21.3		ppb v/v		107	76 - 121
Xylene, o-	10.0	9.98		ppb v/v		100	73 - 123
Styrene	10.0	10.2		ppb v/v		102	74 - 125
Bromoform	10.0	10.7		ppb v/v		107	53 - 149
Cumene	10.0	10.3		ppb v/v		103	73 - 123
1,1,2,2-Tetrachloroethane	10.0	10.7		ppb v/v		107	74 - 126
n-Propylbenzene	10.0	10.3		ppb v/v		103	73 - 127
4-Ethyltoluene	10.0	10.2		ppb v/v		102	75 - 129
1,3,5-Trimethylbenzene	10.0	9.92		ppb v/v		99	72 - 126
2-Chlorotoluene	10.0	10.3		ppb v/v		103	74 - 126
tert-Butylbenzene	10.0	9.67		ppb v/v		97	71 - 125
1,2,4-Trimethylbenzene	10.0	9.97		ppb v/v		100	71 - 129
sec-Butylbenzene	10.0	9.70		ppb v/v		97	70 - 128
4-Isopropyltoluene	10.0	9.56		ppb v/v		96	68 - 130
1,3-Dichlorobenzene	10.0	10.1		ppb v/v		101	69 - 131
1,4-Dichlorobenzene	10.0	9.96		ppb v/v		100	67 - 132
Benzyl chloride	10.0	11.1		ppb v/v		111	60 - 136
n-Butylbenzene	10.0	9.87		ppb v/v		99	65 - 137
1,2-Dichlorobenzene	10.0	10.2		ppb v/v		102	68 - 129
1,2,4-Trichlorobenzene	10.0	10.2		ppb v/v		102	50 - 150
Hexachlorobutadiene	10.0	8.55		ppb v/v		85	58 - 130
Naphthalene	10.0	11.0		ppb v/v		110	50 - 150
1,2,3-Trichlorobenzene	10.0	10.4		ppb v/v		104	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49	50.8		ug/m3		103	61 - 142
Freon 22	35	36.5		ug/m3		103	60 - 147
1,2-Dichlorotetrafluoroethane	70	70.4		ug/m3		101	71 - 141
Chloromethane	21	21.1		ug/m3		102	56 - 141
n-Butane	24	24.7		ug/m3		104	53 - 151
Vinyl chloride	26	25.9		ug/m3		101	61 - 135

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: LCS 200-189477/5

Matrix: Air

Analysis Batch: 189477

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Butadiene	22	20.9		ug/m3		95	58 - 139
Bromomethane	39	39.5		ug/m3		102	72 - 124
Chloroethane	26	27.4		ug/m3		104	68 - 130
Bromoethene(Vinyl Bromide)	44	37.5		ug/m3		86	75 - 125
Trichlorofluoromethane	56	50.0		ug/m3		89	70 - 129
Freon TF	77	76.7		ug/m3		100	70 - 121
1,1-Dichloroethene	40	36.4		ug/m3		92	68 - 120
Acetone	24	24.6		ug/m3		104	54 - 154
Isopropyl alcohol	25	25.7		ug/m3		105	53 - 142
Carbon disulfide	31	32.2		ug/m3		103	71 - 138
3-Chloropropene	31	31.0		ug/m3		99	50 - 150
Methylene Chloride	35	34.4		ug/m3		99	59 - 137
tert-Butyl alcohol	30	30.5		ug/m3		101	66 - 132
Methyl tert-butyl ether	36	35.4		ug/m3		98	70 - 127
trans-1,2-Dichloroethene	40	39.4		ug/m3		99	69 - 137
n-Hexane	35	33.7		ug/m3		96	63 - 138
1,1-Dichloroethane	40	41.5		ug/m3		103	66 - 130
Methyl Ethyl Ketone	29	28.0		ug/m3		95	72 - 124
cis-1,2-Dichloroethene	40	39.9		ug/m3		101	72 - 121
Chloroform	49	47.9		ug/m3		98	73 - 124
Tetrahydrofuran	29	33.3		ug/m3		113	60 - 149
1,1,1-Trichloroethane	55	56.4		ug/m3		103	72 - 127
Cyclohexane	34	35.5		ug/m3		103	76 - 124
Carbon tetrachloride	63	70.6		ug/m3		112	71 - 133
2,2,4-Trimethylpentane	47	47.8		ug/m3		102	68 - 131
Benzene	32	32.4		ug/m3		102	73 - 119
1,2-Dichloroethane	40	41.7		ug/m3		103	68 - 135
n-Heptane	41	41.1		ug/m3		100	60 - 142
Trichloroethene	54	55.6		ug/m3		104	73 - 122
Methyl methacrylate	41	41.6		ug/m3		102	73 - 129
1,2-Dichloropropane	46	49.3		ug/m3		107	69 - 128
1,4-Dioxane	36	40.3		ug/m3		112	66 - 129
Bromodichloromethane	67	70.7		ug/m3		106	75 - 127
cis-1,3-Dichloropropene	45	47.3		ug/m3		104	74 - 125
methyl isobutyl ketone	41	35.9		ug/m3		88	58 - 144
Toluene	38	37.0		ug/m3		98	75 - 122
trans-1,3-Dichloropropene	45	44.9		ug/m3		99	74 - 128
1,1,2-Trichloroethane	55	53.7		ug/m3		98	75 - 126
Tetrachloroethene	68	70.9		ug/m3		105	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41	42.2		ug/m3		103	57 - 143
Dibromochloromethane	85	89.6		ug/m3		105	73 - 125
1,2-Dibromoethane	77	81.2		ug/m3		106	78 - 122
Chlorobenzene	46	48.7		ug/m3		106	76 - 119
Ethylbenzene	43	43.7		ug/m3		101	74 - 122
m,p-Xylene	87	92.7		ug/m3		107	76 - 121
Xylene, o-	43	43.3		ug/m3		100	73 - 123
Styrene	43	43.6		ug/m3		102	74 - 125
Bromoform	100	111		ug/m3		107	53 - 149

Eurofins Burlington

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: LCS 200-189477/5

Matrix: Air

Analysis Batch: 189477

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cumene	49	50.6		ug/m3		103	73 - 123
1,1,2,2-Tetrachloroethane	69	73.5		ug/m3		107	74 - 126
n-Propylbenzene	49	50.5		ug/m3		103	73 - 127
4-Ethyltoluene	49	50.1		ug/m3		102	75 - 129
1,3,5-Trimethylbenzene	49	48.8		ug/m3		99	72 - 126
2-Chlorotoluene	52	53.4		ug/m3		103	74 - 126
tert-Butylbenzene	55	53.1		ug/m3		97	71 - 125
1,2,4-Trimethylbenzene	49	49.0		ug/m3		100	71 - 129
sec-Butylbenzene	55	53.2		ug/m3		97	70 - 128
4-Isopropyltoluene	55	52.5		ug/m3		96	68 - 130
1,3-Dichlorobenzene	60	60.4		ug/m3		101	69 - 131
1,4-Dichlorobenzene	60	59.9		ug/m3		100	67 - 132
Benzyl chloride	52	57.3		ug/m3		111	60 - 136
n-Butylbenzene	55	54.2		ug/m3		99	65 - 137
1,2-Dichlorobenzene	60	61.2		ug/m3		102	68 - 129
1,2,4-Trichlorobenzene	74	75.9		ug/m3		102	50 - 150
Hexachlorobutadiene	110	91.2		ug/m3		85	58 - 130
Naphthalene	52	57.9		ug/m3		110	50 - 150
1,2,3-Trichlorobenzene	74	77.1		ug/m3		104	50 - 150

Lab Sample ID: MB 200-189486/4

Matrix: Air

Analysis Batch: 189486

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			03/20/23 09:59	1
Freon 22	0.50	U	0.50	0.12	ppb v/v			03/20/23 09:59	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			03/20/23 09:59	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			03/20/23 09:59	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			03/20/23 09:59	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			03/20/23 09:59	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			03/20/23 09:59	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			03/20/23 09:59	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			03/20/23 09:59	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			03/20/23 09:59	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			03/20/23 09:59	1
Freon TF	0.20	U	0.20	0.053	ppb v/v			03/20/23 09:59	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			03/20/23 09:59	1
Acetone	5.0	U	5.0	1.6	ppb v/v			03/20/23 09:59	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			03/20/23 09:59	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			03/20/23 09:59	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			03/20/23 09:59	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			03/20/23 09:59	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			03/20/23 09:59	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			03/20/23 09:59	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			03/20/23 09:59	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			03/20/23 09:59	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			03/20/23 09:59	1
Methyl Ethyl Ketone	0.50	U	0.50	0.49	ppb v/v			03/20/23 09:59	1

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: MB 200-189486/4
Matrix: Air
Analysis Batch: 189486

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			03/20/23 09:59	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			03/20/23 09:59	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			03/20/23 09:59	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			03/20/23 09:59	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			03/20/23 09:59	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			03/20/23 09:59	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			03/20/23 09:59	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			03/20/23 09:59	1
Benzene	0.20	U	0.20	0.044	ppb v/v			03/20/23 09:59	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			03/20/23 09:59	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			03/20/23 09:59	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			03/20/23 09:59	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			03/20/23 09:59	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			03/20/23 09:59	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			03/20/23 09:59	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			03/20/23 09:59	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			03/20/23 09:59	1
methyl isobutyl ketone	0.50	U	0.50	0.13	ppb v/v			03/20/23 09:59	1
Toluene	0.20	U	0.20	0.042	ppb v/v			03/20/23 09:59	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			03/20/23 09:59	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			03/20/23 09:59	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			03/20/23 09:59	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			03/20/23 09:59	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			03/20/23 09:59	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			03/20/23 09:59	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			03/20/23 09:59	1
Ethylbenzene	0.20	U	0.20	0.052	ppb v/v			03/20/23 09:59	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			03/20/23 09:59	1
Xylene, o-	0.20	U	0.20	0.052	ppb v/v			03/20/23 09:59	1
Xylene (total)	0.70	U	0.70	0.052	ppb v/v			03/20/23 09:59	1
Styrene	0.20	U	0.20	0.059	ppb v/v			03/20/23 09:59	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			03/20/23 09:59	1
Cumene	0.20	U	0.20	0.041	ppb v/v			03/20/23 09:59	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/20/23 09:59	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 09:59	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			03/20/23 09:59	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 09:59	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			03/20/23 09:59	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			03/20/23 09:59	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			03/20/23 09:59	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			03/20/23 09:59	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			03/20/23 09:59	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			03/20/23 09:59	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			03/20/23 09:59	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			03/20/23 09:59	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			03/20/23 09:59	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			03/20/23 09:59	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			03/20/23 09:59	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			03/20/23 09:59	1

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: MB 200-189486/4

Matrix: Air

Analysis Batch: 189486

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.50	U	0.50	0.30	ppb v/v			03/20/23 09:59	1
1,2,3-Trichlorobenzene	0.50	U	0.50	0.32	ppb v/v			03/20/23 09:59	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			03/20/23 09:59	1
Freon 22	1.8	U	1.8	0.42	ug/m3			03/20/23 09:59	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			03/20/23 09:59	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			03/20/23 09:59	1
n-Butane	1.2	U	1.2	0.48	ug/m3			03/20/23 09:59	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			03/20/23 09:59	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			03/20/23 09:59	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			03/20/23 09:59	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			03/20/23 09:59	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			03/20/23 09:59	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			03/20/23 09:59	1
Freon TF	1.5	U	1.5	0.41	ug/m3			03/20/23 09:59	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			03/20/23 09:59	1
Acetone	12	U	12	3.8	ug/m3			03/20/23 09:59	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			03/20/23 09:59	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			03/20/23 09:59	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			03/20/23 09:59	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			03/20/23 09:59	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			03/20/23 09:59	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			03/20/23 09:59	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			03/20/23 09:59	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			03/20/23 09:59	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			03/20/23 09:59	1
Methyl Ethyl Ketone	1.5	U	1.5	1.4	ug/m3			03/20/23 09:59	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			03/20/23 09:59	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			03/20/23 09:59	1
Chloroform	0.98	U	0.98	0.20	ug/m3			03/20/23 09:59	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			03/20/23 09:59	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			03/20/23 09:59	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			03/20/23 09:59	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			03/20/23 09:59	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			03/20/23 09:59	1
Benzene	0.64	U	0.64	0.14	ug/m3			03/20/23 09:59	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			03/20/23 09:59	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			03/20/23 09:59	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			03/20/23 09:59	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			03/20/23 09:59	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			03/20/23 09:59	1
1,4-Dioxane	18	U	18	4.7	ug/m3			03/20/23 09:59	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			03/20/23 09:59	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			03/20/23 09:59	1
methyl isobutyl ketone	2.0	U	2.0	0.53	ug/m3			03/20/23 09:59	1
Toluene	0.75	U	0.75	0.16	ug/m3			03/20/23 09:59	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			03/20/23 09:59	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			03/20/23 09:59	1

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: MB 200-189486/4
Matrix: Air
Analysis Batch: 189486

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			03/20/23 09:59	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			03/20/23 09:59	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			03/20/23 09:59	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			03/20/23 09:59	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			03/20/23 09:59	1
Ethylbenzene	0.87	U	0.87	0.23	ug/m3			03/20/23 09:59	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			03/20/23 09:59	1
Xylene, o-	0.87	U	0.87	0.23	ug/m3			03/20/23 09:59	1
Xylene (total)	3.0	U	3.0	0.23	ug/m3			03/20/23 09:59	1
Styrene	0.85	U	0.85	0.25	ug/m3			03/20/23 09:59	1
Bromoform	2.1	U	2.1	1.2	ug/m3			03/20/23 09:59	1
Cumene	0.98	U	0.98	0.20	ug/m3			03/20/23 09:59	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/20/23 09:59	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			03/20/23 09:59	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			03/20/23 09:59	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			03/20/23 09:59	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			03/20/23 09:59	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			03/20/23 09:59	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			03/20/23 09:59	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			03/20/23 09:59	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			03/20/23 09:59	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			03/20/23 09:59	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			03/20/23 09:59	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			03/20/23 09:59	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			03/20/23 09:59	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			03/20/23 09:59	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 09:59	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			03/20/23 09:59	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			03/20/23 09:59	1
1,2,3-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			03/20/23 09:59	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v			N/A		03/20/23 09:59	1

Lab Sample ID: LCS 200-189486/3
Matrix: Air
Analysis Batch: 189486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10.0	9.55		ppb v/v		95	61 - 142
Freon 22	10.0	10.4		ppb v/v		104	60 - 147
1,2-Dichlorotetrafluoroethane	10.0	9.68		ppb v/v		97	71 - 141
Chloromethane	10.0	9.83		ppb v/v		98	56 - 141
n-Butane	10.0	9.76		ppb v/v		98	53 - 151
Vinyl chloride	10.0	9.67		ppb v/v		97	61 - 135
1,3-Butadiene	10.0	9.11		ppb v/v		91	58 - 139
Bromomethane	10.0	9.93		ppb v/v		99	72 - 124
Chloroethane	10.0	10.1		ppb v/v		101	68 - 130

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: LCS 200-189486/3

Matrix: Air

Analysis Batch: 189486

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoethene(Vinyl Bromide)	10.0	8.03		ppb v/v		80	75 - 125
Trichlorofluoromethane	10.0	8.38		ppb v/v		84	70 - 129
Freon TF	10.0	9.70		ppb v/v		97	70 - 121
1,1-Dichloroethene	10.0	8.67		ppb v/v		87	68 - 120
Acetone	10.0	9.97		ppb v/v		100	54 - 154
Isopropyl alcohol	10.0	9.51		ppb v/v		95	53 - 142
Carbon disulfide	10.0	9.78		ppb v/v		98	71 - 138
3-Chloropropene	10.0	9.41		ppb v/v		94	50 - 150
Methylene Chloride	10.0	9.68		ppb v/v		97	59 - 137
tert-Butyl alcohol	10.0	9.27		ppb v/v		93	66 - 132
Methyl tert-butyl ether	10.0	9.19		ppb v/v		92	70 - 127
trans-1,2-Dichloroethene	10.0	9.71		ppb v/v		97	69 - 137
n-Hexane	10.0	9.19		ppb v/v		92	63 - 138
1,1-Dichloroethane	10.0	10.0		ppb v/v		100	66 - 130
Methyl Ethyl Ketone	10.0	8.77		ppb v/v		88	72 - 124
cis-1,2-Dichloroethene	10.0	9.63		ppb v/v		96	72 - 121
Chloroform	10.0	9.41		ppb v/v		94	73 - 124
Tetrahydrofuran	10.0	8.95		ppb v/v		90	60 - 149
1,1,1-Trichloroethane	10.0	8.52		ppb v/v		85	72 - 127
Cyclohexane	10.0	8.49		ppb v/v		85	76 - 124
Carbon tetrachloride	10.0	9.50		ppb v/v		95	71 - 133
2,2,4-Trimethylpentane	10.0	8.46		ppb v/v		85	68 - 131
Benzene	10.0	8.48		ppb v/v		85	73 - 119
1,2-Dichloroethane	10.0	8.74		ppb v/v		87	68 - 135
n-Heptane	10.0	8.31		ppb v/v		83	60 - 142
Trichloroethene	10.0	8.34		ppb v/v		83	73 - 122
Methyl methacrylate	10.0	8.21		ppb v/v		82	73 - 129
1,2-Dichloropropane	10.0	9.00		ppb v/v		90	69 - 128
1,4-Dioxane	10.0	8.64		ppb v/v		86	66 - 129
Bromodichloromethane	10.0	8.74		ppb v/v		87	75 - 127
cis-1,3-Dichloropropene	10.0	8.63		ppb v/v		86	74 - 125
methyl isobutyl ketone	10.0	8.04		ppb v/v		80	58 - 144
Toluene	10.0	8.80		ppb v/v		88	75 - 122
trans-1,3-Dichloropropene	10.0	8.09		ppb v/v		81	74 - 128
1,1,2-Trichloroethane	10.0	8.77		ppb v/v		88	75 - 126
Tetrachloroethene	10.0	8.96		ppb v/v		90	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10.0	8.73		ppb v/v		87	57 - 143
Dibromochloromethane	10.0	9.10		ppb v/v		91	73 - 125
1,2-Dibromoethane	10.0	9.16		ppb v/v		92	78 - 122
Chlorobenzene	10.0	9.10		ppb v/v		91	76 - 119
Ethylbenzene	10.0	8.63		ppb v/v		86	74 - 122
m,p-Xylene	20.0	18.0		ppb v/v		90	76 - 121
Xylene, o-	10.0	8.40		ppb v/v		84	73 - 123
Styrene	10.0	8.58		ppb v/v		86	74 - 125
Bromoform	10.0	8.98		ppb v/v		90	53 - 149
Cumene	10.0	8.57		ppb v/v		86	73 - 123
1,1,2,2-Tetrachloroethane	10.0	9.05		ppb v/v		91	74 - 126
n-Propylbenzene	10.0	8.60		ppb v/v		86	73 - 127

Eurofins Burlington

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: LCS 200-189486/3
Matrix: Air
Analysis Batch: 189486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Ethyltoluene	10.0	8.43		ppb v/v		84	75 - 129
1,3,5-Trimethylbenzene	10.0	8.22		ppb v/v		82	72 - 126
2-Chlorotoluene	10.0	8.71		ppb v/v		87	74 - 126
tert-Butylbenzene	10.0	8.00		ppb v/v		80	71 - 125
1,2,4-Trimethylbenzene	10.0	8.24		ppb v/v		82	71 - 129
sec-Butylbenzene	10.0	8.12		ppb v/v		81	70 - 128
4-Isopropyltoluene	10.0	7.88		ppb v/v		79	68 - 130
1,3-Dichlorobenzene	10.0	8.31		ppb v/v		83	69 - 131
1,4-Dichlorobenzene	10.0	8.28		ppb v/v		83	67 - 132
Benzyl chloride	10.0	9.16		ppb v/v		92	60 - 136
n-Butylbenzene	10.0	8.29		ppb v/v		83	65 - 137
1,2-Dichlorobenzene	10.0	8.37		ppb v/v		84	68 - 129
1,2,4-Trichlorobenzene	10.0	8.22		ppb v/v		82	50 - 150
Hexachlorobutadiene	10.0	7.11		ppb v/v		71	58 - 130
Naphthalene	10.0	8.92		ppb v/v		89	50 - 150
1,2,3-Trichlorobenzene	10.0	8.21		ppb v/v		82	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49	47.2		ug/m3		95	61 - 142
Freon 22	35	36.9		ug/m3		104	60 - 147
1,2-Dichlorotetrafluoroethane	70	67.7		ug/m3		97	71 - 141
Chloromethane	21	20.3		ug/m3		98	56 - 141
n-Butane	24	23.2		ug/m3		98	53 - 151
Vinyl chloride	26	24.7		ug/m3		97	61 - 135
1,3-Butadiene	22	20.2		ug/m3		91	58 - 139
Bromomethane	39	38.6		ug/m3		99	72 - 124
Chloroethane	26	26.6		ug/m3		101	68 - 130
Bromoethene(Vinyl Bromide)	44	35.1		ug/m3		80	75 - 125
Trichlorofluoromethane	56	47.1		ug/m3		84	70 - 129
Freon TF	77	74.4		ug/m3		97	70 - 121
1,1-Dichloroethene	40	34.4		ug/m3		87	68 - 120
Acetone	24	23.7		ug/m3		100	54 - 154
Isopropyl alcohol	25	23.4		ug/m3		95	53 - 142
Carbon disulfide	31	30.4		ug/m3		98	71 - 138
3-Chloropropene	31	29.4		ug/m3		94	50 - 150
Methylene Chloride	35	33.6		ug/m3		97	59 - 137
tert-Butyl alcohol	30	28.1		ug/m3		93	66 - 132
Methyl tert-butyl ether	36	33.1		ug/m3		92	70 - 127
trans-1,2-Dichloroethene	40	38.5		ug/m3		97	69 - 137
n-Hexane	35	32.4		ug/m3		92	63 - 138
1,1-Dichloroethane	40	40.5		ug/m3		100	66 - 130
Methyl Ethyl Ketone	29	25.9		ug/m3		88	72 - 124
cis-1,2-Dichloroethene	40	38.2		ug/m3		96	72 - 121
Chloroform	49	46.0		ug/m3		94	73 - 124
Tetrahydrofuran	29	26.4		ug/m3		90	60 - 149
1,1,1-Trichloroethane	55	46.5		ug/m3		85	72 - 127
Cyclohexane	34	29.2		ug/m3		85	76 - 124
Carbon tetrachloride	63	59.7		ug/m3		95	71 - 133
2,2,4-Trimethylpentane	47	39.5		ug/m3		85	68 - 131

Eurofins Burlington

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Lab Sample ID: LCS 200-189486/3

Matrix: Air

Analysis Batch: 189486

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	32	27.1		ug/m3		85	73 - 119
1,2-Dichloroethane	40	35.4		ug/m3		87	68 - 135
n-Heptane	41	34.1		ug/m3		83	60 - 142
Trichloroethene	54	44.8		ug/m3		83	73 - 122
Methyl methacrylate	41	33.6		ug/m3		82	73 - 129
1,2-Dichloropropane	46	41.6		ug/m3		90	69 - 128
1,4-Dioxane	36	31.1		ug/m3		86	66 - 129
Bromodichloromethane	67	58.5		ug/m3		87	75 - 127
cis-1,3-Dichloropropene	45	39.2		ug/m3		86	74 - 125
methyl isobutyl ketone	41	32.9		ug/m3		80	58 - 144
Toluene	38	33.2		ug/m3		88	75 - 122
trans-1,3-Dichloropropene	45	36.7		ug/m3		81	74 - 128
1,1,2-Trichloroethane	55	47.8		ug/m3		88	75 - 126
Tetrachloroethene	68	60.8		ug/m3		90	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41	35.8		ug/m3		87	57 - 143
Dibromochloromethane	85	77.5		ug/m3		91	73 - 125
1,2-Dibromoethane	77	70.4		ug/m3		92	78 - 122
Chlorobenzene	46	41.9		ug/m3		91	76 - 119
Ethylbenzene	43	37.5		ug/m3		86	74 - 122
m,p-Xylene	87	78.1		ug/m3		90	76 - 121
Xylene, o-	43	36.5		ug/m3		84	73 - 123
Styrene	43	36.5		ug/m3		86	74 - 125
Bromoform	100	92.9		ug/m3		90	53 - 149
Cumene	49	42.1		ug/m3		86	73 - 123
1,1,2,2-Tetrachloroethane	69	62.2		ug/m3		91	74 - 126
n-Propylbenzene	49	42.3		ug/m3		86	73 - 127
4-Ethyltoluene	49	41.4		ug/m3		84	75 - 129
1,3,5-Trimethylbenzene	49	40.4		ug/m3		82	72 - 126
2-Chlorotoluene	52	45.1		ug/m3		87	74 - 126
tert-Butylbenzene	55	43.9		ug/m3		80	71 - 125
1,2,4-Trimethylbenzene	49	40.5		ug/m3		82	71 - 129
sec-Butylbenzene	55	44.6		ug/m3		81	70 - 128
4-Isopropyltoluene	55	43.3		ug/m3		79	68 - 130
1,3-Dichlorobenzene	60	50.0		ug/m3		83	69 - 131
1,4-Dichlorobenzene	60	49.8		ug/m3		83	67 - 132
Benzyl chloride	52	47.4		ug/m3		92	60 - 136
n-Butylbenzene	55	45.5		ug/m3		83	65 - 137
1,2-Dichlorobenzene	60	50.3		ug/m3		84	68 - 129
1,2,4-Trichlorobenzene	74	61.0		ug/m3		82	50 - 150
Hexachlorobutadiene	110	75.9		ug/m3		71	58 - 130
Naphthalene	52	46.8		ug/m3		89	50 - 150
1,2,3-Trichlorobenzene	74	60.9		ug/m3		82	50 - 150

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Air - GC/MS VOA

Analysis Batch: 189477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-67137-1	BANK-1	Total/NA	Air	TO-15	
200-67137-2	BANK-2	Total/NA	Air	TO-15	
200-67137-3	CLEANER-1	Total/NA	Air	TO-15	
MB 200-189477/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-189477/5	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 189486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-67137-4	CLEANER-2	Total/NA	Air	TO-15	
200-67137-5	CLEANER-3	Total/NA	Air	TO-15	
200-67137-6	AMBIENT	Total/NA	Air	TO-15	
200-67137-7	SG-12	Total/NA	Air	TO-15	
200-67137-8	VMP-2R	Total/NA	Air	TO-15	
200-67137-9	SG-6	Total/NA	Air	TO-15	
200-67137-10	SG-4	Total/NA	Air	TO-15	
200-67137-11	SG-11	Total/NA	Air	TO-15	
200-67137-12	VMP-3R	Total/NA	Air	TO-15	
200-67137-13	VMP-4R	Total/NA	Air	TO-15	
MB 200-189486/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-189486/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: BANK-1

Lab Sample ID: 200-67137-1

Date Collected: 03/02/23 15:18

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	189477	K1P	EET BUR	03/20/23 00:49

Client Sample ID: BANK-2

Lab Sample ID: 200-67137-2

Date Collected: 03/02/23 14:45

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	189477	K1P	EET BUR	03/20/23 01:41

Client Sample ID: CLEANER-1

Lab Sample ID: 200-67137-3

Date Collected: 03/02/23 15:48

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	189477	K1P	EET BUR	03/20/23 02:34

Client Sample ID: CLEANER-2

Lab Sample ID: 200-67137-4

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	189486	K1P	EET BUR	03/20/23 17:00

Client Sample ID: CLEANER-3

Lab Sample ID: 200-67137-5

Date Collected: 03/02/23 17:43

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	189486	K1P	EET BUR	03/20/23 17:53

Client Sample ID: AMBIENT

Lab Sample ID: 200-67137-6

Date Collected: 03/02/23 15:49

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	189486	K1P	EET BUR	03/20/23 18:45

Client Sample ID: SG-12

Lab Sample ID: 200-67137-7

Date Collected: 03/02/23 10:40

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	189486	K1P	EET BUR	03/20/23 12:38

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Client Sample ID: VMP-2R

Lab Sample ID: 200-67137-8

Date Collected: 03/02/23 12:27

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	189486	K1P	EET BUR	03/20/23 13:30

Client Sample ID: SG-6

Lab Sample ID: 200-67137-9

Date Collected: 03/02/23 09:01

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	189486	K1P	EET BUR	03/20/23 14:22

Client Sample ID: SG-4

Lab Sample ID: 200-67137-10

Date Collected: 03/02/23 09:36

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	189486	K1P	EET BUR	03/20/23 15:15

Client Sample ID: SG-11

Lab Sample ID: 200-67137-11

Date Collected: 03/02/23 10:02

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	189486	K1P	EET BUR	03/20/23 16:08

Client Sample ID: VMP-3R

Lab Sample ID: 200-67137-12

Date Collected: 03/02/23 13:11

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	189486	K1P	EET BUR	03/20/23 19:38

Client Sample ID: VMP-4R

Lab Sample ID: 200-67137-13

Date Collected: 03/02/23 12:57

Matrix: Air

Date Received: 03/04/23 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	189486	K1P	EET BUR	03/20/23 20:30

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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	04-01-23

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	1,2,3-Trichlorobenzene
TO-15		Air	1,2-Dichloroethene, Total
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Freon 22
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-67137-1	BANK-1	Air	03/02/23 15:18	03/04/23 10:25	Air Canister (6-Liter) #3212
200-67137-2	BANK-2	Air	03/02/23 14:45	03/04/23 10:25	Air Canister (6-Liter) #3658
200-67137-3	CLEANER-1	Air	03/02/23 15:48	03/04/23 10:25	Air Canister (6-Liter) #5426
200-67137-4	CLEANER-2	Air	03/02/23 17:43	03/04/23 10:25	Air Canister (6-Liter) #3282
200-67137-5	CLEANER-3	Air	03/02/23 17:43	03/04/23 10:25	Air Canister (6-Liter) #5603
200-67137-6	AMBIENT	Air	03/02/23 15:49	03/04/23 10:25	Air Canister (6-Liter) #5434
200-67137-7	SG-12	Air	03/02/23 10:40	03/04/23 10:25	Air Canister (1-Liter) #34000863
200-67137-8	VMP-2R	Air	03/02/23 12:27	03/04/23 10:25	Air Canister (1-Liter) #34002473
200-67137-9	SG-6	Air	03/02/23 09:01	03/04/23 10:25	Air Canister (1-Liter) #8323
200-67137-10	SG-4	Air	03/02/23 09:36	03/04/23 10:25	Air Canister (1-Liter) #4964
200-67137-11	SG-11	Air	03/02/23 10:02	03/04/23 10:25	Air Canister (1-Liter) #34001628
200-67137-12	VMP-3R	Air	03/02/23 13:11	03/04/23 10:25	Air Canister (1-Liter) #34000321
200-67137-13	VMP-4R	Air	03/02/23 12:57	03/04/23 10:25	Air Canister (1-Liter) #34001079

Quantitation Limit Exceptions Summary

Client: Stantec Consulting Services Inc
Project/Site: Whitestone NY

Job ID: 200-67137-1
SDG: 200-67137

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
TO-15	1,1-Dichloroethene	Air	Total/NA	ppb v/v	0.035	0.20
TO-15	Carbon tetrachloride	Air	Total/NA	ppb v/v	0.035	0.20
TO-15	cis-1,2-Dichloroethene	Air	Total/NA	ppb v/v	0.050	0.20
TO-15	Trichloroethene	Air	Total/NA	ppb v/v	0.035	0.20
TO-15	Vinyl chloride	Air	Total/NA	ppb v/v	0.078	0.20

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iAnalysis Batch Number: 189231Lab Sample ID: IC 200-189231/3

Client Sample ID: _____

Date Analyzed: 03/10/23 11:08Lab File ID: 200-54646-003.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	8.85	Incomplete Integration	V0FK	03/10/23 14:46

Lab Sample ID: IC 200-189231/4

Client Sample ID: _____

Date Analyzed: 03/10/23 12:00Lab File ID: 200-54646-004.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	6.31	Incomplete Integration	V0FK	03/10/23 14:56
3-Chloropropene	6.41	Incomplete Integration	V0FK	03/10/23 14:56
Vinyl acetate	7.88	Incomplete Integration	V0FK	03/10/23 14:56
m,p-Xylene	17.76	Incomplete Integration	V0FK	03/10/23 14:49
1,2,3-Trichloropropane	19.98	Incomplete Integration	V0FK	03/10/23 15:06
sec-Butylbenzene	21.26	Incomplete Integration	V0FK	03/10/23 14:50

Lab Sample ID: IC 200-189231/5

Client Sample ID: _____

Date Analyzed: 03/10/23 12:53Lab File ID: 200-54646-005.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	6.31	Incomplete Integration	V0FK	03/10/23 14:53
3-Chloropropene	6.41	Incomplete Integration	V0FK	03/10/23 14:53
Vinyl acetate	7.88	Incomplete Integration	V0FK	03/10/23 14:54
1,2,3-Trichloropropane	19.98	Incomplete Integration	V0FK	03/10/23 15:07
sec-Butylbenzene	21.26	Incomplete Integration	V0FK	03/10/23 14:55

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iAnalysis Batch Number: 189231Lab Sample ID: IC 200-189231/6

Client Sample ID: _____

Date Analyzed: 03/10/23 13:45Lab File ID: 200-54646-006.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	6.29	Incomplete Integration	V0FK	03/10/23 15:00
3-Chloropropene	6.40	Incomplete Integration	V0FK	03/10/23 15:01
Vinyl acetate	7.86	Incomplete Integration	V0FK	03/10/23 15:01
1,2,3-Trichloropropane	19.98	Incomplete Integration	V0FK	03/10/23 15:07
sec-Butylbenzene	21.26	Incomplete Integration	V0FK	03/10/23 15:02

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iAnalysis Batch Number: 189477Lab Sample ID: MB 200-189477/4

Client Sample ID: _____

Date Analyzed: 03/19/23 12:29Lab File ID: 200-54753-004.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichlorobenzene		Invalid Compound ID	BKZ7	03/19/23 13:20
1,2,4-Trichlorobenzene		Invalid Compound ID	BKZ7	03/19/23 13:20
1,2-Dichlorobenzene		Invalid Compound ID	BKZ7	03/19/23 13:20
4-Isopropyltoluene		Invalid Compound ID	BKZ7	03/19/23 13:20
Chlorobenzene		Invalid Compound ID	BKZ7	03/19/23 13:20
Naphthalene		Invalid Compound ID	BKZ7	03/19/23 13:20
n-Butylbenzene		Invalid Compound ID	BKZ7	03/19/23 13:20
Toluene	14.33	Assign Peak	puangmaleek	03/20/23 11:28

Lab Sample ID: 200-67137-1Client Sample ID: BANK-1Date Analyzed: 03/20/23 00:49Lab File ID: 200-54753-018.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	9.90	Baseline	BKZ7	03/20/23 08:34
1,2,4-Trimethylbenzene		Invalid Compound ID	BKZ7	03/20/23 08:35
1,3-Butadiene		Invalid Compound ID	BKZ7	03/20/23 08:33
2-Chlorotoluene		Invalid Compound ID	BKZ7	03/20/23 08:35
3-Chloropropene		Invalid Compound ID	BKZ7	03/20/23 08:33
4-Isopropyltoluene		Invalid Compound ID	BKZ7	03/20/23 08:35
Carbon disulfide		Invalid Compound ID	BKZ7	03/20/23 08:33
Chloroform		Invalid Compound ID	BKZ7	03/20/23 08:34
Methyl methacrylate		Invalid Compound ID	BKZ7	03/20/23 08:34
Styrene		Invalid Compound ID	BKZ7	03/20/23 08:35
2,2,4-Trimethylpentane	10.66	Baseline	BKZ7	03/20/23 08:34
Tetrachloroethene	15.40	Baseline	BKZ7	03/20/23 08:35

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iAnalysis Batch Number: 189477Lab Sample ID: 200-67137-2Client Sample ID: BANK-2Date Analyzed: 03/20/23 01:41Lab File ID: 200-54753-019.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	9.92	Baseline	BKZ7	03/20/23 08:37
1,3-Butadiene		Invalid Compound ID	BKZ7	03/20/23 08:38
2-Chlorotoluene		Invalid Compound ID	BKZ7	03/20/23 08:37
3-Chloropropene		Invalid Compound ID	BKZ7	03/20/23 08:37
Carbon disulfide		Invalid Compound ID	BKZ7	03/20/23 08:38
Cumene		Invalid Compound ID	BKZ7	03/20/23 08:37
Methyl Butyl Ketone (2-Hexanone)		Invalid Compound ID	BKZ7	03/20/23 08:37
Methyl methacrylate		Invalid Compound ID	BKZ7	03/20/23 08:37
Styrene		Invalid Compound ID	BKZ7	03/20/23 08:37
tert-Butylbenzene		Invalid Compound ID	BKZ7	03/20/23 08:36

Lab Sample ID: 200-67137-3Client Sample ID: CLEANER-1Date Analyzed: 03/20/23 02:34Lab File ID: 200-54753-020.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	9.89	Baseline	BKZ7	03/20/23 08:39
1,3-Butadiene		Invalid Compound ID	BKZ7	03/20/23 08:38
1,3-Dichlorobenzene		Invalid Compound ID	BKZ7	03/20/23 08:39
1,4-Dichlorobenzene		Invalid Compound ID	BKZ7	03/20/23 08:39
3-Chloropropene		Invalid Compound ID	BKZ7	03/20/23 08:38
4-Ethyltoluene		Invalid Compound ID	BKZ7	03/20/23 08:39

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Instrument ID: CHG.i

Analysis Batch Number: 189486

Lab Sample ID: MB 200-189486/4

Client Sample ID:

Date Analyzed: 03/20/23 09:59

Lab File ID: 200-54759-004.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	25.00	Assign Peak	puangmaleek	03/21/23 07:52

Lab Sample ID: 200-67137-7

Client Sample ID: SG-12

Date Analyzed: 03/20/23 12:38

Lab File ID: 200-54759-007.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butane		Invalid Compound ID	puangmaleek	03/21/23 08:47
n-Hexane		Invalid Compound ID	puangmaleek	03/21/23 08:47
tert-Butylbenzene		Invalid Compound ID	puangmaleek	03/21/23 08:51

Lab Sample ID: 200-67137-8

Client Sample ID: VMP-2R

Date Analyzed: 03/20/23 13:30

Lab File ID: 200-54759-008.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane		Invalid Compound ID	puangmaleek	03/21/23 08:53
Freon 22		Invalid Compound ID	puangmaleek	03/21/23 08:53
n-Butane		Invalid Compound ID	puangmaleek	03/21/23 08:53
n-Hexane		Invalid Compound ID	puangmaleek	03/21/23 08:54
Benzene	10.42	Assign Peak	puangmaleek	03/21/23 08:55
n-Heptane	11.04	Assign Peak	puangmaleek	03/21/23 08:55
Methyl Butyl Ketone (2-Hexanone)	15.69	Assign Peak	puangmaleek	03/21/23 08:56
m,p-Xylene	17.74	Assign Peak	puangmaleek	03/21/23 08:58
Xylene, o-	18.57	Assign Peak	puangmaleek	03/21/23 08:59

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iAnalysis Batch Number: 189486Lab Sample ID: 200-67137-9Client Sample ID: SG-6Date Analyzed: 03/20/23 14:22Lab File ID: 200-54759-009.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorotetrafluoroethane		Invalid Compound ID	puangmaleek	03/21/23 09:02
4-Ethyltoluene		Invalid Compound ID	puangmaleek	03/21/23 09:05
Methyl Butyl Ketone (2-Hexanone)	15.71	Assign Peak	puangmaleek	03/21/23 09:05

Lab Sample ID: 200-67137-10Client Sample ID: SG-4Date Analyzed: 03/20/23 15:15Lab File ID: 200-54759-010.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butane		Invalid Compound ID	puangmaleek	03/21/23 09:07
Xylene, o-	18.57	Assign Peak	puangmaleek	03/21/23 09:08

Lab Sample ID: 200-67137-11Client Sample ID: SG-11Date Analyzed: 03/20/23 16:08Lab File ID: 200-54759-011.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4-Trimethylbenzene		Invalid Compound ID	BKZ7	03/21/23 08:27
1,3,5-Trimethylbenzene		Invalid Compound ID	BKZ7	03/21/23 08:27
m,p-Xylene	17.75	Incomplete Integration	BKZ7	03/21/23 08:27
Xylene, o-	18.58	Incomplete Integration	BKZ7	03/21/23 08:27

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iAnalysis Batch Number: 189486Lab Sample ID: 200-67137-4Client Sample ID: CLEANER-2Date Analyzed: 03/20/23 17:00Lab File ID: 200-54759-012.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	9.90	Incomplete Integration	BKZ7	03/21/23 08:30
1,2-Dichlorobenzene		Invalid Compound ID	BKZ7	03/21/23 08:31
2-Chlorotoluene		Invalid Compound ID	BKZ7	03/21/23 08:31
3-Chloropropene		Invalid Compound ID	BKZ7	03/21/23 08:29
Benzyl chloride		Invalid Compound ID	BKZ7	03/21/23 08:31
n-Butylbenzene		Invalid Compound ID	BKZ7	03/21/23 08:31
Styrene		Invalid Compound ID	BKZ7	03/21/23 08:31
Tetrachloroethene	15.40	Incomplete Integration	BKZ7	03/21/23 08:31

Lab Sample ID: 200-67137-5Client Sample ID: CLEANER-3Date Analyzed: 03/20/23 17:53Lab File ID: 200-54759-013.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	9.91	Incomplete Integration	BKZ7	03/21/23 08:32
1,2,4-Trimethylbenzene		Invalid Compound ID	BKZ7	03/21/23 08:32
1,3-Butadiene		Invalid Compound ID	BKZ7	03/21/23 08:32
3-Chloropropene		Invalid Compound ID	BKZ7	03/21/23 08:32

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iAnalysis Batch Number: 189486Lab Sample ID: 200-67137-6Client Sample ID: AMBIENTDate Analyzed: 03/20/23 18:45Lab File ID: 200-54759-014.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	9.92	Incomplete Integration	BKZ7	03/21/23 08:34
1,2,3-Trichlorobenzene		Invalid Compound ID	BKZ7	03/21/23 08:35
2-Chlorotoluene		Invalid Compound ID	BKZ7	03/21/23 08:34
Cumene		Invalid Compound ID	BKZ7	03/21/23 08:34
n-Butylbenzene		Invalid Compound ID	BKZ7	03/21/23 08:35
sec-Butylbenzene		Invalid Compound ID	BKZ7	03/21/23 08:34
Styrene		Invalid Compound ID	BKZ7	03/21/23 08:34
Tetrachloroethene		Invalid Compound ID	BKZ7	03/21/23 08:34
trans-1,3-Dichloropropene		Invalid Compound ID	BKZ7	03/21/23 08:34

Lab Sample ID: 200-67137-12Client Sample ID: VMP-3RDate Analyzed: 03/20/23 19:38Lab File ID: 200-54759-015.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4-Trimethylbenzene		Invalid Compound ID	BKZ7	03/21/23 08:35
1,2-Dichlorotetrafluoroethane		Invalid Compound ID	BKZ7	03/21/23 08:36
n-Butane		Invalid Compound ID	BKZ7	03/21/23 08:36
Benzene	10.42	Incomplete Integration	BKZ7	03/21/23 08:36

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iAnalysis Batch Number: 189486Lab Sample ID: 200-67137-13Client Sample ID: VMP-4RDate Analyzed: 03/20/23 20:30Lab File ID: 200-54759-016.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	9.90	Incomplete Integration	BKZ7	03/21/23 08:39
1,1,2-Trichloroethane		Invalid Compound ID	BKZ7	03/21/23 08:39
Chloromethane		Invalid Compound ID	BKZ7	03/21/23 08:39
Trichloroethene	11.72	Incomplete Integration	BKZ7	03/21/23 08:39
m,p-Xylene	17.74	Incomplete Integration	BKZ7	03/21/23 08:39
1,2,4-Trimethylbenzene	21.01	Incomplete Integration	BKZ7	03/21/23 08:39

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00252	03/21/23	02/21/23	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00217	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-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.20044 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.20044 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
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Freon 22	0.20044 ppb v/v
							Freon TF	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.20044 ppb v/v
							Methyl Ethyl Ketone	0.20044 ppb v/v
							methyl isobutyl ketone	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
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							n-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.20044 ppb v/v
							Pentane	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00217	03/21/23	02/21/23	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00166	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-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	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	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00152	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00166	08/20/23	02/20/23	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00046	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-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							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
							Freon 22	200 ppb v/v
							Freon TF	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	200 ppb v/v
							methyl isobutyl ketone	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	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00046	10/15/23		Linde, Lot CC-237336		(Purchased Reagent)		Xylene, o-	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-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	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
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
							Freon 22	1 ppm v/v
							Freon TF	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	1 ppm v/v
							methyl isobutyl ketone	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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00152	06/20/23	02/20/23	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Xylene, o-	1 ppm v/v
...1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	500 ppb v/v
ATTO15CAL2w_00331	03/21/23	02/21/23	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00217	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-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.500453 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.500453 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
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Freon 22	0.500453 ppb v/v
							Freon TF	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone	0.500453 ppb v/v
							methyl isobutyl ketone	0.500453 ppb v/v
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	0.500453 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
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
.ATTO15CAL6w_00217	03/21/23	02/21/23	Nitrogen, Lot 1	15.463 L	ATTO15EthCALw_00152	124 mL	Ethanol	5.01064 ppb v/v
					ATTO15CALSTKi_00166	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	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	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 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
							Acetone	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

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	19.9961 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	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	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00152	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00166	08/20/23	02/20/23	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00046	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-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 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
							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
							Freon 22	200 ppb v/v
							Freon TF	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	200 ppb v/v
							methyl isobutyl ketone	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	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
...ATTO15CALs_00046	10/15/23		Linde, Lot CC-237336			(Purchased Reagent)	Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	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-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

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
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 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
							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
							Freon 22	1 ppm v/v
							Freon TF	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	1 ppm v/v
							methyl isobutyl ketone	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00152	06/20/23	02/20/23	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_00152	06/20/23	02/20/23	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
ATTO15CAL3w_00261	03/21/23	02/21/23	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00166	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	4.99256 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	4.99256 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene (Vinyl Bromide)	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Freon 22	4.99256 ppb v/v
							Freon TF	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone	4.99256 ppb v/v
							methyl isobutyl ketone	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
							Xylene, o-	4.99256 ppb v/v
					ATTO15EthCALw_00152	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00166	08/20/23	02/20/23	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00046	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-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	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
							Freon 22	200 ppb v/v
							Freon TF	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	200 ppb v/v
							methyl isobutyl ketone	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	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00046	10/15/23		Linde, Lot CC-237336		(Purchased Reagent)		Xylene, o-	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-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	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
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Freon 22	1 ppm v/v
							Freon TF	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	1 ppm v/v
							methyl isobutyl ketone	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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00152	06/20/23	02/20/23	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00802	03/21/23	02/21/23	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00166	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-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	9.99806 ppb v/v
							1,2,3-Trichloropropane	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylbutane	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	9.99806 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	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	9.99806 ppb v/v
							methyl isobutyl ketone	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							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	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15CALSTKi_00166	08/20/23	02/20/23	Nitrogen, Lot 13	37.5 L	ATTO15EthCALw_00152	464 mL	Ethanol	15.0036 ppb v/v
					ATTO15CALs_00046	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-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 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
							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
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	200 ppb v/v
							methyl isobutyl ketone	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	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	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00046	10/15/23		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 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
							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
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	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 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 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00152	06/20/23	02/20/23	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00802	03/21/23	02/21/23	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00166	773 mL	1,2-Dichloroethene, Total	19.9961 ppb v/v
							Xylene (total)	29.9942 ppb v/v
.ATTO15CALSTKi_00166	08/20/23	02/20/23	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00046	7500 mL	1,2-Dichloroethene, Total	400 ppb v/v
..ATTO15CALs_00046	10/15/23		Linde, Lot CC-237336		(Purchased Reagent)		Xylene (total)	600 ppb v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							Xylene (total)	3 ppm v/v
ATTO15CAL5w_00129	03/21/23	02/21/23	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00166	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	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	15.0036 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 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
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	15.0036 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene (Vinyl Bromide)	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	15.0036 ppb v/v
							Freon 22	15.0036 ppb v/v
							Freon TF	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	15.0036 ppb v/v
							Methyl Ethyl Ketone	15.0036 ppb v/v
							methyl isobutyl ketone	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	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
							Xylene, o-	15.0036 ppb v/v
					ATTO15EthCALw_00152	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00166	08/20/23	02/20/23	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00046	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-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropene	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 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
							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
							Freon 22	200 ppb v/v
							Freon TF	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	200 ppb v/v
							methyl isobutyl ketone	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.: 200-67137-1

SDG No.: 200-67137

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	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	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00046	10/15/23		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	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
							2-Methylbutane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 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
							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
							Freon 22	1 ppm v/v
							Freon TF	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	1 ppm v/v
							methyl isobutyl ketone	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00152	06/20/23	02/20/23	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_00217	03/21/23	02/21/23	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00166	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-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 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

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	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
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	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

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00152	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00166	08/20/23	02/20/23	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00046	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-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	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
							Freon 22	200 ppb v/v
							Freon TF	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	200 ppb v/v
							methyl isobutyl ketone	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	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00046	10/15/23		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	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
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 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
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Freon 22	1 ppm v/v
							Freon TF	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	1 ppm v/v
							methyl isobutyl ketone	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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00152	06/20/23	02/20/23	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00129	03/21/23	02/21/23	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00166	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-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	39.9922 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	39.9922 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
							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.: 200-67137-1

SDG No.: 200-67137

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
							Freon 22	39.9922 ppb v/v
							Freon TF	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							m,p-Xylene	79.9845 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	39.9922 ppb v/v
							Methyl Ethyl Ketone	39.9922 ppb v/v
							methyl isobutyl ketone	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	39.9922 ppb v/v
							Naphthalene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							tert-Butyl alcohol	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							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	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
							Xylene, o-	39.9922 ppb v/v
					ATTO15EthCALw_00152	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00166	08/20/23	02/20/23	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00046	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-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 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
							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
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	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	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	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00046	10/15/23		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 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
							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
							Freon 22	1 ppm v/v
							Freon TF	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	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							methyl isobutyl ketone	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 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 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00152	06/20/23	02/20/23	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
ATTO15GIS_00019							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S)-	
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Total Alkanes	
ATTO15LCSW_00856	03/22/23	02/22/23	Nitrogen, Lot 13	15.463 L	ATTO15EthCALw_00152	454 mL	Ethanol	14.6802 ppb v/v
					ATTO15LCSSTKi_00134	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	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	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-Dichloroethene, Total	19.9961 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
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	9.99806 ppb v/v
							methyl isobutyl ketone	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-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15EthCALw_00152	06/20/23	02/20/23	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_00134	04/17/23	01/17/23	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00047	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-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 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
							Acetone	200 ppb v/v
							Acetonitrile	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	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	200 ppb v/v
							methyl isobutyl ketone	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-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00047	10/15/23		Linde, Lot CC-133603		(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-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	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-Dichloroethene, Total	2 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
							Acetone	1 ppm v/v
							Acetonitrile	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	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	1 ppm v/v
							methyl isobutyl ketone	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-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	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 chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v

Reagent

1gEthanol_00005



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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

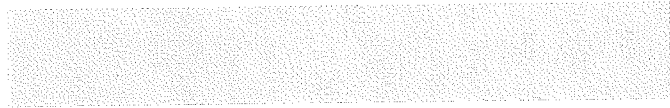
COA Form
Revision 3 (3/2015)

Print Date: 08/19/21

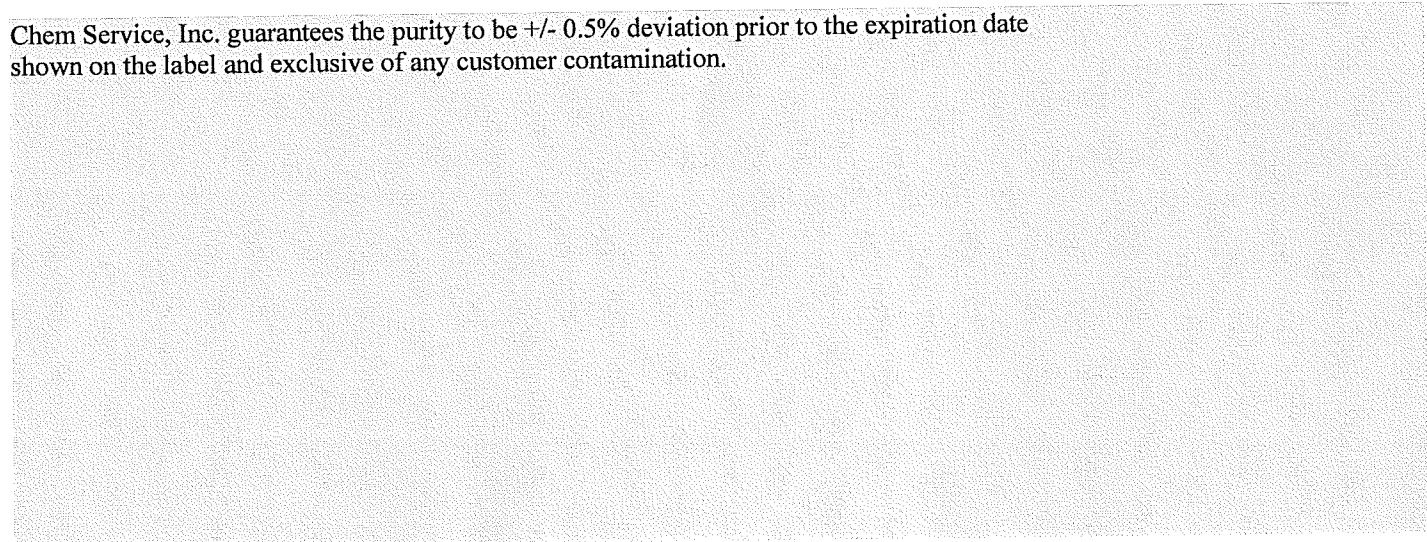




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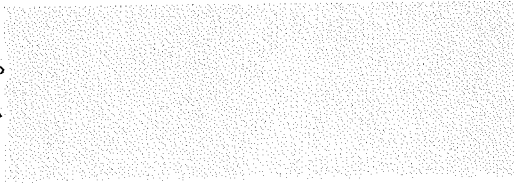
Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.



Certified By:

Mary Beth O'Donnell

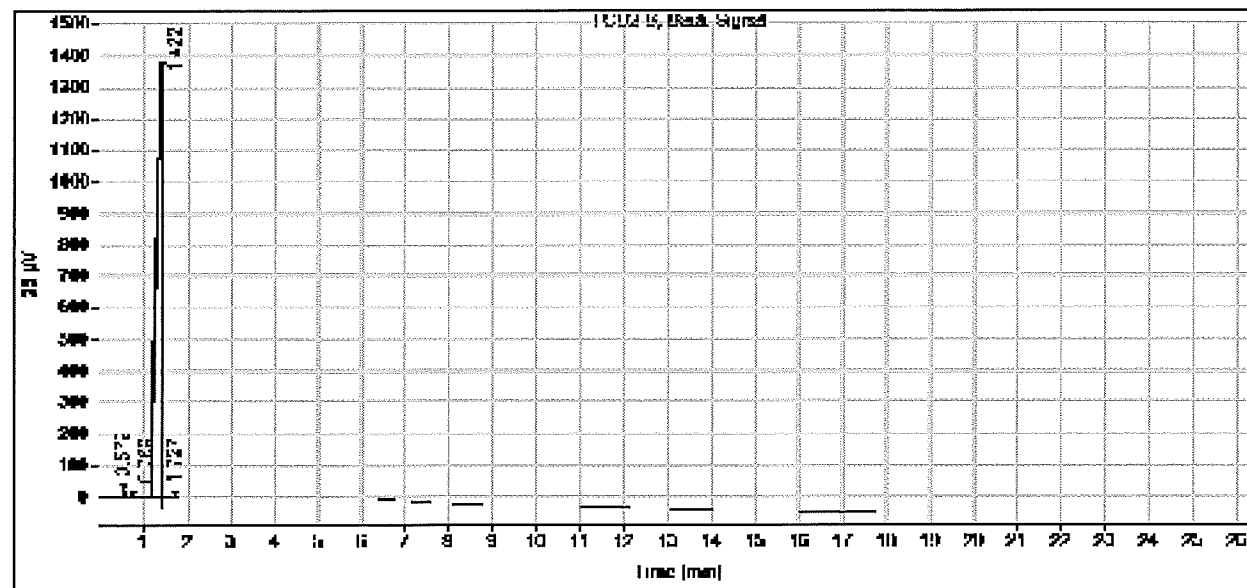
Mary Beth O'Donnell
CSM/TC



CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\0718\SIG2022556.D
Sample name: N-11885 NEAT TCD
Instrument: GC 1 Sample type: Sample
Injection date: 7/31/2019 11:37:41 AM Location: Vial 101
Acq. method: N-11885 TCD.M Injection volume: 1.0uL
Column name: DB-624 (30m x 0.53mm x 3.0um)



Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.572	BB	0.0212	35.3817	25.4750	0.3008
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			11772.0658		

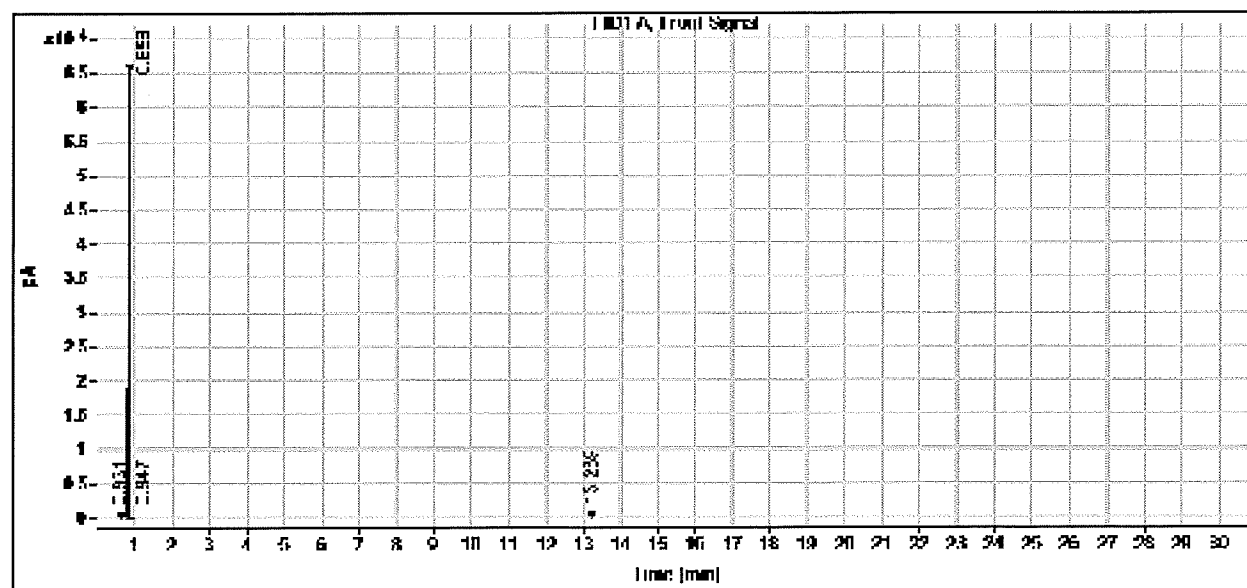


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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\073019\073019B 2019-07-30 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

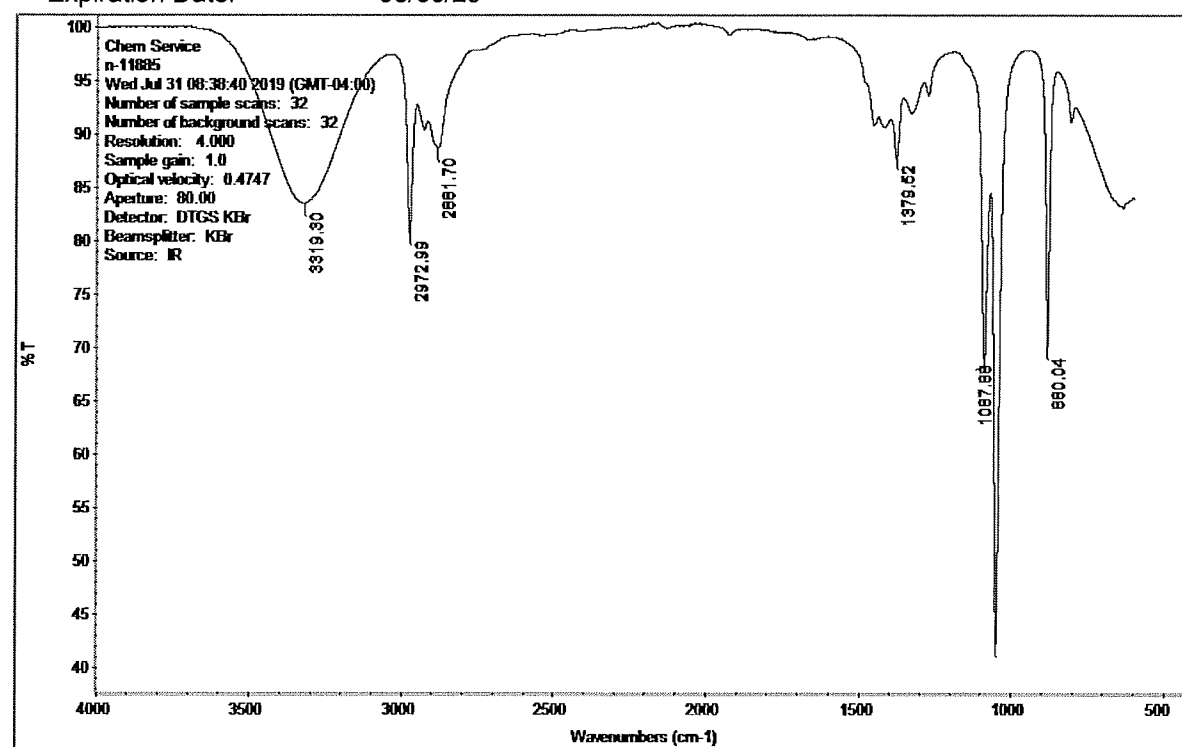
RT [min]	Type	Width [min]	Area	Height	Area%
0.631	BV	0.0075	0.2688	0.5372	0.0002
0.647	VB	0.0112	27.4219	37.8872	0.0185
0.888	BB S	0.0287	148490.7856	65443.8719	99.9813
13.239	BB	0.0025	0.0188	0.1089	0.0000
Sum			148518.4729		



CERTIFICATE OF ANALYSIS

Analysis Method:

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



Reagent

ATTO15CALs_00046

Preliminary Report

Eurofins Burlington

Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221208-53599.b\53599-09.D
 Lims ID: burl_40
 Client ID:
 Sample Type: Client
 Inject. Date: 08-Dec-2022 14:10:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0053599-009
 Misc. Info.: bur_40
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221208-53599.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 08-Dec-2022 12:57:33 Calib Date: 23-Nov-2022 00:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221122-53429.b\53429-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41	4.332	4.339	0.000	99	3732920	45.4	E
T 2 Difluoroethane TIC	1		4.375			ND		1
3 Dichlorodifluoromethane	85	4.429	4.435	0.000	99	8712313	43.1	E
4 Chlorodifluoromethane	51	4.461	4.472	-0.005	97	5219582	37.7	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.789	0.005	97	7210344	36.4	
6 Chloromethane	50	4.894	4.901	0.000	99	2956794	37.3	
7 Vinyl chloride	62	5.204	5.206	0.005	99	2055038	36.8	
8 Butane	43	5.215	5.217	0.005	96	2939137	39.7	
9 Butadiene	54	5.322	5.324	0.005	96	1685223	36.3	
10 Bromomethane	94	6.018	6.021	0.006	99	2364637	39.2	
12 Chloroethane	64	6.285	6.283	0.011	100	1334093	39.1	
13 2-Methylbutane	43	6.499	6.503	0.005	90	2712668	34.9	
14 Vinyl bromide	106	6.697	6.701	0.005	98	2229757	40.8	E
15 Trichlorofluoromethane	101	6.863	6.862	0.011	100	7067596	42.1	E
16 Pentane	43	7.071	7.071	0.010	96	3782193	39.5	
17 Ethanol	45		7.200			ND		
18 Ethyl ether	59	7.473	7.505	-0.021	95	1507112	41.3	E
19 Acrolein	56	7.681	7.697	-0.006	98	807520	41.5	E
20 1,1-Dichloroethene	96	7.901	7.906	0.006	97	1789972	35.6	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.943	7.939	0.016	96	3732130	36.4	
22 Acetone	43	7.954	7.981	-0.016	99	2705409	39.0	
23 Isopropyl alcohol	45	8.243	8.292	-0.038	99	3428925	45.8	E
24 Carbon disulfide	76	8.318	8.324	0.005	100	4806350	39.4	
25 Acetonitrile	41	8.425	8.437	0.000	97	1094246	40.1	E
27 3-Chloro-1-propene	41	8.580	8.587	0.005	96	2169403	40.1	E
28 Methylene Chloride	49	8.805	8.806	0.011	92	1791186	39.7	
T 26 Methyl Acetate TIC	43	9.008	8.908	0.112	1	692410	26.4	9p
29 2-Methyl-2-propanol	59	9.008	9.096	-0.075	95	4492485	50.3	Ep
30 Acrylonitrile	53	9.174	9.181	0.005	93	1176319	46.3	E
32 trans-1,2-Dichloroethene	61	9.313	9.315	0.011	97	2669892	43.1	E
31 Methyl tert-butyl ether	73	9.318	9.348	-0.016	96	6130288	44.8	E

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.\20221208-53599.b\53599-09.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
S 33 1,2-Dichloroethene, Total	61				0		86.3	E
34 Hexane	57	9.821	9.824	0.010	90	2750573	44.6	E
36 1,1-Dichloroethane	63	10.057	10.065	0.006	80	3255178	43.0	E
35 Vinyl acetate	43	10.062	10.076	0.000	99	4427456	47.3	E
37 2-Butanone (MEK)	72	10.993	11.019	-0.011	99	978139	48.9	E
38 cis-1,2-Dichloroethene	96	11.036	11.040	0.011	94	2012414	43.2	E
39 Ethyl acetate	88	11.089	11.115	-0.011	100	184556	49.2	E
* 40 Chlorobromomethane	128	11.453	11.437	0.016	83	262116	10.0	
41 Tetrahydrofuran	42	11.496	11.522	-0.021	87	1967435	55.6	E
42 Chloroform	83	11.619	11.624	0.011	97	4488303	45.5	E
43 1,1,1-Trichloroethane	97	11.940	11.934	0.011	95	5278055	52.5	E
44 Cyclohexane	84	12.095	12.094	0.005	94	2672426	51.4	E
45 Carbon tetrachloride	117	12.223	12.223	0.005	99	5691875	53.0	E
46 Benzene	78	12.560	12.555	0.010	97	5218217	45.3	E
47 1,2-Dichloroethane	62	12.624	12.619	0.010	99	3068642	48.5	E
48 Isooctane	57	12.785	12.779	0.011	97	7693004	44.6	E
49 n-Heptane	43	13.090	13.090	0.005	88	2769622	45.4	E
* 50 1,4-Difluorobenzene	114	13.282	13.277	0.005	95	1162114	10.0	
51 n-Butanol	56	13.486	13.523	-0.032	90	1230793	52.5	E
52 Trichloroethene	95	13.721	13.721	0.005	99	2578262	45.3	E
A 53 GRO	1	14.133	(6.484-21.783)		0	875541475	0	g
55 1,2-Dichloropropane	63	14.171	14.166	0.011	83	1691147	43.4	E
T 54 Methyl cyclohexane TIC	55	14.176	14.176	0.000	87	3204140	27.6	p
56 Methyl methacrylate	69	14.245	14.251	0.000	93	1899071	49.2	Ep
58 Dibromomethane	174	14.320	14.326	0.000	92	2565583	48.6	E
57 1,4-Dioxane	88	14.294	14.337	-0.037	93	1257014	63.5	E
59 Dichlorobromomethane	83	14.631	14.631	0.006	99	4497918	48.8	E
60 cis-1,3-Dichloropropene	75	15.428	15.423	0.011	97	3532979	47.7	E
A 61 TVOC as Toluene	92	15.484	(4.322-26.645)		0	1395081813	0	g
62 4-Methyl-2-pentanone (MIBK)	43	15.674	15.707	-0.027	95	3850351	52.2	E
63 Toluene	92	16.075	16.074	0.005	94	3541537	42.0	E
A 64 Toluene Range	1	16.070	(16.000-16.139)		0	14473641	NC	g
A 65 C8 Range	1	16.326	(16.252-16.401)		0	14577739	NC	g
66 n-Octane	43	16.332	16.333	0.006	85	3322291	38.7	
67 trans-1,3-Dichloropropene	75	16.471	16.472	0.005	98	3068515	44.5	E
68 1,1,2-Trichloroethane	83	16.851	16.850	0.006	98	1847356	47.0	E
69 Tetrachloroethene	166	17.070	17.070	0.005	96	3912789	48.1	E
70 2-Hexanone	43	17.252	17.385	-0.128	95	3867631	62.4	E
71 Chlorodibromomethane	129	17.594	17.594	0.005	97	4903689	51.9	E
72 Ethylene Dibromide	107	17.840	17.835	0.010	98	3738037	49.3	E
* 73 Chlorobenzene-d5	117	18.739	18.734	0.005	88	1025824	10.0	
74 Chlorobenzene	112	18.803	18.803	0.005	94	5693690	47.2	E
75 Ethylbenzene	91	18.996	18.996	0.005	98	9330748	48.5	E
76 m-Xylene & p-Xylene	106	19.263	19.258	0.010	0	7331265	95.5	E
77 n-Nonane	57	19.328	19.322	0.011	83	3851870	47.5	E
S 78 Xylenes, Total	106				0		143.1	E
79 o-Xylene	106	20.028	20.023	0.010	98	3576290	47.6	E
80 Styrene	104	20.061	20.061	0.006	99	5928477	54.0	E
81 Bromoform	173	20.414	20.409	0.011	97	5034850	52.4	E
82 Isopropylbenzene	105	20.729	20.730	0.005	97	11109480	48.0	E
83 1,1,2,2-Tetrachloroethane	83	21.232	21.233	0.005	98	4558785	44.7	E

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.\20221208-53599.b\53599-09.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	75	21.334	21.335	0.006	96	4120695	46.4	E
85 N-Propylbenzene	91	21.446	21.452	0.000	99	11695771	44.0	E
86 2-Chlorotoluene	91	21.596	21.597	0.005	97	8005277	47.2	E
87 4-Ethyltoluene	105	21.644	21.650	0.000	98	10841533	47.7	E
88 1,3,5-Trimethylbenzene	105	21.740	21.741	0.005	93	9524904	47.7	E
89 n-Decane	57	21.778	21.779	0.006	95	4743507	45.1	E
90 Alpha Methyl Styrene	118	22.067	22.073	0.000	89	4986115	54.1	E
91 tert-Butylbenzene	119	22.222	22.228	0.000	94	9332676	45.9	E
92 1,2,4-Trimethylbenzene	105	22.313	22.314	0.006	98	9539182	47.4	E
93 sec-Butylbenzene	105	22.548	22.555	0.000	97	12846114	44.4	E
94 1,3-Dichlorobenzene	146	22.725	22.726	0.006	99	6213228	47.6	E
95 4-Isopropyltoluene	119	22.768	22.769	0.006	96	11211416	44.1	E
96 1,4-Dichlorobenzene	146	22.864	22.870	0.000	95	6585341	51.1	E
97 Benzyl chloride	91	23.003	23.009	0.000	98	8509340	53.3	E
98 n-Butylbenzene	91	23.319	23.325	0.000	98	10026078	46.1	E
99 1,2-Dichlorobenzene	146	23.345	23.352	0.000	95	6249664	48.3	E
100 Undecane	57	23.474	23.475	0.006	90	5455494	46.3	E
101 Dodecane	57	25.041	25.048	0.000	95	2348454	21.8	
102 1,2,4-Trichlorobenzene	180	25.769	25.771	0.006	94	5957983	53.9	E
103 Hexachlorobutadiene	225	26.015	26.017	0.006	98	6375409	45.4	E
104 Naphthalene	128	26.239	26.242	0.005	99	12440741	50.8	E
105 1,2,3-Trichlorobenzene	180	26.641	26.643	0.006	95	3829935	36.5	
T 106 Chlorotrifluoroethene TIC	1		0.000				ND	1
T 107 Methyl acetylene TIC	1		0.000				ND	1
T 108 1,1,1-Trifluoro-2,2-dichloroethane TIC			0.000				ND	1
T 110 1,2-Dibromo-3-Chloropropane TIC			0.000				ND	1
T 111 1,1,1,2-Tetrachloroethane TIC	1		0.000				ND	1
113 Total Alkanes TIC	1		0.000				ND	
114 Methylcyclohexane	83		0.000				ND	g
115 1,2,3-Trimethylbenzene TIC	1		0.000				ND	i
T 109 Freon 115 TIC	1		4.760				ND	1
T 112 1,3-Dichloropropane TIC	1	17.161	17.166	-0.005	83	16903	0	6

QC Flag Legend

Processing Flags

NC - Not Calibrated

1 - Missing Peaks

E - Exceeded Maximum Amount

6 - Missing Quant Standard

9 - Failed A Reference Spectral Test

i - Failed Initial Calibration Limits

p - Peak ID'ed as Multiple Compounds

g - Not in Limit Group or Failed to Calibrate

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Preliminary Report

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221208-53599.b\53599-08.D
 Lims ID: knox_40
 Client ID:
 Sample Type: Client
 Inject. Date: 08-Dec-2022 13:18:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0053599-008
 Misc. Info.: knox_40
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221208-53599.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 08-Dec-2022 12:05:12 Calib Date: 23-Nov-2022 00:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221122-53429.b\53429-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41	4.338	4.337	0.006	99	3290761	42.4	E
T 2 Difluoroethane TIC	1		4.375				ND	1
3 Dichlorodifluoromethane	85	4.434	4.433	0.005	99	7637851	40.0	
4 Chlorodifluoromethane	51	4.472	4.470	0.006	97	4549969	34.8	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.793	4.786	0.011	93	6260703	33.5	
6 Chloromethane	50	4.900	4.899	0.006	99	2297787	30.6	
7 Vinyl chloride	62	5.210	5.204	0.011	99	1637463	31.1	
8 Butane	43	5.221	5.215	0.011	96	2337792	33.4	
9 Butadiene	54	5.322	5.322	0.005	97	1325977	30.2	
10 Bromomethane	94	6.023	6.018	0.011	99	2067162	36.3	
12 Chloroethane	64	6.285	6.280	0.011	100	1168145	36.3	
13 2-Methylbutane	43	6.505	6.500	0.011	92	2539231	34.6	
14 Vinyl bromide	106	6.702	6.698	0.010	98	1903556	36.9	
15 Trichlorofluoromethane	101	6.863	6.859	0.011	100	6192981	39.1	
16 Pentane	43	7.072	7.067	0.011	96	3392948	37.5	
17 Ethanol	45		7.200				ND	
18 Ethyl ether	59	7.473	7.501	-0.021	96	1303327	37.8	
19 Acrolein	56	7.687	7.694	0.000	98	638052	34.7	
20 1,1-Dichloroethene	96	7.906	7.903	0.011	97	1784578	37.6	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.944	7.935	0.017	96	3741629	38.6	
22 Acetone	43	7.960	7.978	-0.010	99	2699063	41.2	E
23 Isopropyl alcohol	45	8.243	8.288	-0.038	100	3313055	46.8	Ep
24 Carbon disulfide	76	8.323	8.320	0.010	100	4866969	42.2	E
25 Acetonitrile	41	8.425	8.433	0.000	97	1205613	46.7	Ep
27 3-Chloro-1-propene	41	8.586	8.583	0.011	96	2057643	40.3	E
28 Methylene Chloride	49	8.805	8.802	0.011	92	1554468	36.5	
T 26 Methyl Acetate TIC	43	8.901	8.904	0.005	34	6719	0.2713	9
29 2-Methyl-2-propanol	59	9.008	9.092	-0.075	95	3775464	44.8	E
30 Acrylonitrile	53	9.174	9.177	0.005	93	890731	37.1	
32 trans-1,2-Dichloroethene	61	9.313	9.311	0.011	97	2044400	34.9	
31 Methyl tert-butyl ether	73	9.318	9.343	-0.016	95	4672731	36.2	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221208-53599.b\53599-08.D

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
S 33 1,2-Dichloroethene, Total	61				0		74.6	
34 Hexane	57	9.821	9.820	0.010	89	2072084	35.6	
36 1,1-Dichloroethane	63	10.062	10.061	0.011	81	2648696	37.1	
35 Vinyl acetate	43	10.062	10.071	0.000	99	3503580	39.6	
37 2-Butanone (MEK)	72	10.998	11.014	-0.006	99	838076	44.4	E
38 cis-1,2-Dichloroethene	96	11.036	11.035	0.011	94	1744235	39.6	
39 Ethyl acetate	88	11.089	11.110	-0.011	100	156491	44.2	E
* 40 Chlorobromomethane	128	11.448	11.437	0.011	84	247658	10.0	
41 Tetrahydrofuran	42	11.496	11.522	-0.021	88	1729683	51.6	E
42 Chloroform	83	11.619	11.619	0.011	97	3955231	42.4	E
43 1,1,1-Trichloroethane	97	11.940	11.934	0.011	95	4582961	48.2	E
44 Cyclohexane	84	12.095	12.094	0.005	94	2264817	46.1	E
45 Carbon tetrachloride	117	12.229	12.223	0.011	99	4899580	48.2	E
46 Benzene	78	12.555	12.555	0.005	97	5035077	46.2	E
47 1,2-Dichloroethane	62	12.625	12.619	0.011	99	3010981	50.3	E
48 Isooctane	57	12.785	12.779	0.011	97	7656784	46.9	E
49 n-Heptane	43	13.090	13.090	0.005	88	2575829	44.7	E
* 50 1,4-Difluorobenzene	114	13.283	13.277	0.006	95	1099597	10.0	
51 n-Butanol	56	13.486	13.523	-0.032	90	1166209	52.6	E
52 Trichloroethene	95	13.721	13.721	0.005	98	2151659	39.9	
A 53 GRO	1	14.133	(6.484-21.783)		0	739774188	0	g
55 1,2-Dichloropropane	63	14.165	14.166	0.005	88	1554399	42.1	E
T 54 Methyl cyclohexane TIC	55	14.246	14.182	0.070	28	143697	1.31	9p
56 Methyl methacrylate	69	14.246	14.251	0.001	93	1595362	43.7	Ep
58 Dibromomethane	174	14.326	14.326	0.006	93	2160012	43.3	E
57 1,4-Dioxane	88	14.294	14.337	-0.037	93	1102737	58.9	E
59 Dichlorobromomethane	83	14.625	14.631	0.000	99	3768429	43.2	E
60 cis-1,3-Dichloropropene	75	15.422	15.423	0.005	97	2797193	39.9	
A 61 TVOC as Toluene	92	15.484	(4.322-26.645)		0	1191639090	0	g
62 4-Methyl-2-pentanone (MIBK)	43	15.674	15.707	-0.027	95	3321829	47.6	E
63 Toluene	92	16.075	16.070	0.005	94	2984068	36.2	
A 64 Toluene Range	1	16.070	(16.000-16.139)		0	12248970	NC	g
A 65 C8 Range	1	16.326	(16.252-16.401)		0	12402319	NC	g
66 n-Octane	43	16.332	16.333	0.006	85	2829718	34.8	
67 trans-1,3-Dichloropropene	75	16.471	16.472	0.005	98	2530558	38.8	
68 1,1,2-Trichloroethane	83	16.851	16.845	0.006	98	1488866	38.8	
69 Tetrachloroethene	166	17.070	17.065	0.005	96	3342940	42.1	E
70 2-Hexanone	43	17.252	17.380	-0.128	95	3344584	55.3	E
71 Chlorodibromomethane	129	17.594	17.589	0.005	98	4177323	45.3	E
72 Ethylene Dibromide	107	17.841	17.830	0.011	98	3079843	41.6	E
* 73 Chlorobenzene-d5	117	18.734	18.734	0.000	89	1001984	10.0	
74 Chlorobenzene	112	18.798	18.798	0.000	94	4715968	40.0	E
75 Ethylbenzene	91	18.991	18.991	0.000	99	6986736	37.2	
76 m-Xylene & p-Xylene	106	19.258	19.253	0.005	0	5522029	73.6	
77 n-Nonane	57	19.328	19.317	0.011	84	2846411	35.9	
S 78 Xylenes, Total	106				0		113.2	
79 o-Xylene	106	20.023	20.018	0.005	99	2901952	39.6	
80 Styrene	104	20.061	20.055	0.006	99	4764854	44.4	E
81 Bromoform	173	20.414	20.403	0.011	97	4434819	47.3	E
82 Isopropylbenzene	105	20.724	20.724	0.000	97	9372358	41.5	E
83 1,1,2,2-Tetrachloroethane	83	21.232	21.227	0.005	98	4068329	40.8	E

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.\20221208-53599.b\53599-08.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	75	21.334	21.329	0.006	96	3642747	42.0	E
85 N-Propylbenzene	91	21.446	21.446	0.000	99	10768043	41.5	E
86 2-Chlorotoluene	91	21.596	21.591	0.005	97	6917841	41.7	E
87 4-Ethyltoluene	105	21.644	21.644	0.000	98	9467274	42.6	E
88 1,3,5-Trimethylbenzene	105	21.740	21.735	0.005	93	8202063	42.0	E
89 n-Decane	57	21.778	21.773	0.006	95	4079002	39.7	
90 Alpha Methyl Styrene	118	22.067	22.067	0.000	89	4224784	46.9	E
91 tert-Butylbenzene	119	22.222	22.222	0.000	92	7895740	39.8	
92 1,2,4-Trimethylbenzene	105	22.308	22.308	0.001	98	7754955	39.5	
93 sec-Butylbenzene	105	22.548	22.548	0.000	97	11304974	40.0	
94 1,3-Dichlorobenzene	146	22.725	22.719	0.006	98	5323285	41.8	E
95 4-Isopropyltoluene	119	22.768	22.762	0.006	96	10239248	41.2	E
96 1,4-Dichlorobenzene	146	22.864	22.864	0.000	95	5378257	42.7	E
97 Benzyl chloride	91	23.003	23.003	0.000	98	6912032	44.3	E
98 n-Butylbenzene	91	23.319	23.319	0.000	97	8890971	41.9	E
99 1,2-Dichlorobenzene	146	23.345	23.345	0.000	95	5418210	42.8	E
100 Undecane	57	23.474	23.468	0.006	91	4699890	40.8	E
101 Dodecane	57	25.041	25.041	0.000	95	2953753	28.1	
102 1,2,4-Trichlorobenzene	180	25.769	25.763	0.006	94	4358297	40.4	E
103 Hexachlorobutadiene	225	26.015	26.010	0.006	98	5457537	39.8	
104 Naphthalene	128	26.234	26.234	0.000	99	10731919	44.9	E
105 1,2,3-Trichlorobenzene	180	26.641	26.635	0.006	96	4322694	42.1	E
T 106 Chlorotrifluoroethene TIC	1		0.000				ND	1
T 107 Methyl acetylene TIC	1		0.000				ND	1
T 108 1,1,1-Trifluoro-2,2-dichloroethane TIC			0.000				ND	1
T 110 1,2-Dibromo-3-Chloropropane TIC			0.000				ND	1
T 111 1,1,1,2-Tetrachloroethane TIC	1	18.969	0.000	18.969	80	16317	0	36
113 Total Alkanes TIC	1		0.000				ND	
114 Methylcyclohexane	83		0.000				ND	g
115 1,2,3-Trimethylbenzene TIC	1		0.000				ND	i
T 109 Freon 115 TIC	1		4.760				ND	1
T 112 1,3-Dichloropropane TIC	1	17.161	17.166	-0.005	83	18057	0	36

QC Flag Legend

Processing Flags

NC - Not Calibrated

1 - Missing Peaks

3 - Failed RT Window Test

E - Exceeded Maximum Amount

6 - Missing Quant Standard

9 - Failed A Reference Spectral Test

i - Failed Initial Calibration Limits

p - Peak ID'ed as Multiple Compounds

g - Not in Limit Group or Failed to Calibrate

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

THE LINDE GROUP

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Knoxville, TN 37921

PAGE: 1 of 4

ANALYSIS REPORT

Sales#:	117455931	Cylinder Size: 152 (8" X 47.5")
Production#:	1572737	Cylinder # : CC-118524
Report Date:	Oct-15-2022	Cylinder Pressure: 1600 psig
P.O.# :	US1132235310	Cylinder Valve: CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume: 29.5 Liter
Material#:	24106776	Cylinder Material: Aluminum
Traceability:	NIST by weight	Gas Volume: 3200 Liters
Expiration Date:	Oct-15-2023	Blend Tolerance: 10% Relative
Do NOT use under:	150 psig	Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.04 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.07 ppm
Freon-12	75-71-8	1.00 ppm	1.03 ppm
Chloromethane	74-87-3	1.00 ppm	1.05 ppm
Freon-114	76-14-2	1.00 ppm	1.04 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.04 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.05 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.87 ppm
n-Butane	106-97-8	1.00 ppm	1.06 ppm
Bromomethane	74-83-9	1.00 ppm	1.04 ppm
Chloroethane	75-00-3	1.00 ppm	1.05 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile (No Stability Guarantee)	75-05-8	1.00 ppm	1.02 ppm
Acrolein	107-02-8	1.00 ppm	0.99 ppm
Isopentane	78-78-4	1.00 ppm	1.03 ppm
Acetone	67-64-1	1.00 ppm	1.02 ppm
Freon-11	75-69-4	1.00 ppm	1.04 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	1.04 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.04 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.06 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.04 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.10 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.03 ppm
Freon-113	76-13-1	1.00 ppm	1.05 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.06 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.05 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.05 ppm

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Knoxville, TN 37921

PAGE: 2 of 4

ANALYSIS REPORT

Sales#:	117455931	Cylinder Size: 152 (8" X 47.5")
Production#:	1572737	Cylinder #: CC-118524
Report Date:	Oct-15-2022	Cylinder Pressure: 1600 psig
P.O.#:	US1132235310	Cylinder Valve: CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume: 29.5 Liter
Material#:	24106776	Cylinder Material: Aluminum
Traceability:	NIST by weight	Gas Volume: 3200 Liters
Expiration Date:	Oct-15-2023	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	1.10 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.04 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.04 ppm
Hexane	110-54-3	1.00 ppm	1.04 ppm
Chloroform	67-66-3	1.00 ppm	1.05 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.05 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.03 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.05 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.04 ppm
Benzene	71-43-2	1.00 ppm	1.06 ppm
1-Butanol	71-36-3	1.00 ppm	0.93 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.05 ppm
Cyclohexane	110-82-7	1.00 ppm	1.04 ppm
Dibromomethane	74-95-3	1.00 ppm	1.05 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.05 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.04 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.04 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.04 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.03 ppm
Heptane	142-82-5	1.00 ppm	1.02 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.03 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.05 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.00 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.05 ppm
Toluene	108-88-3	1.00 ppm	1.05 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.04 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.05 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.05 ppm
n-Octane	111-65-9	1.00 ppm	1.01 ppm

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Knoxville, TN 37921

PAGE: 3 of 4

ANALYSIS REPORT

Sales#:	117455931	Cylinder Size: 152 (8" X 47.5")
Production#:	1572737	Cylinder # : CC-118524
Report Date:	Oct-15-2022	Cylinder Pressure: 1600 psig
P.O.# :	US1132235310	Cylinder Valve: CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume: 29.5 Liter
Material#:	24106776	Cylinder Material: Aluminum
Traceability:	NIST by weight	Gas Volume: 3200 Liters
Expiration Date:	Oct-15-2023	Blend Tolerance: 10% Relative
Do NOT use under:	150 psig	Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.06 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.03 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.03 ppm
p-xylene	106-42-3	1.00 ppm	1.03 ppm
m-xylene	108-38-3	1.00 ppm	1.03 ppm
Bromoform	75-25-2	1.00 ppm	1.03 ppm
Styrene	100-42-5	1.00 ppm	1.02 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.00 ppm
Nonane	111-84-2	1.00 ppm	1.01 ppm
Cumene	98-82-8	1.00 ppm	1.02 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.01 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.02 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.02 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	0.98 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.02 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.02 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.03 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.03 ppm
n-Decane	124-18-5	1.00 ppm	1.00 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.01 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.03 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
n-Undecane (No Stability Guarantee)	1120-21-4	1.00 ppm	1.01 ppm

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Knoxville, TN 37921

PAGE:

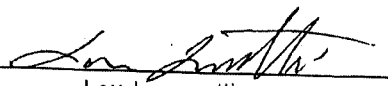
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ANALYSIS REPORT

Sales#:	117455931	Cylinder Size:	152 (8" X 47.5")
Production#:	1572737	Cylinder #:	CC-118524
Report Date:	Oct-15-2022	Cylinder Pressure:	1600 psig
P.O.#:	US1132235310	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3200 Liters
Expiration Date:	Oct-15-2023	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
1,2,4-Trichlorobenzene (No Stability Guarantee)	120-82-1	1.00 ppm	0.95 ppm
Naphthalene (No Stability Guarantee)	91-20-3	1.00 ppm	0.98 ppm
n-Dodecane (No Stability Guarantee)	112-40-3	1.00 ppm	0.97 ppm
1,2,3-Trichlorobenzene (No Stability Guarantee)	87-61-6	1.00 ppm	0.96 ppm
Hexachloro-1,3-Butadiene (No Stability Guarantee)	87-68-3	1.00 ppm	1.00 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST:


Lou Lorenzetti

DATE: Oct-15-2022

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

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PAGE: 2 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
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
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-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

Reagent

ATTO15CALs_00047



1253600

ID: ATTO15CALs_00033
Desc: TO15 Calibration Source Tank
Exp: 1/22/2020 Prpd/Rcvd: 1/31/2019
Sol: Prpd: desjardinsb Op: 1/31/2019
TO15 Calibration Source Tank



ISO 17025 Certificate



Certificate of Analysis

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Test America Inc.
30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 1 of 6
Report ID: 26909
Revision: 0

Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder #:	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	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 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 ANAB (ANSI-ASQ National Accreditation Board) and ISO 17025 requirements.

This certificate 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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Certificate of Analysis

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30 Community Drive Suite 11
South Burlington, VT 05403

PAGE:

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Report ID:

26909

Revision:

0

Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	Reported Conc	Uncertainty (k=2.447 @ 95%)
Propylene	115-07-1	1.000 ppm	1.013 ppm	± 0.039 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	1.058 ppm	± 0.033 ppm
Freon-12	75-71-8	1.000 ppm	1.058 ppm	± 0.014 ppm
Chloromethane	74-87-3	1.000 ppm	0.994 ppm	± 0.034 ppm
Freon-114	76-14-2	1.000 ppm	1.059 ppm	± 0.024 ppm
Vinyl Chloride	75-01-4	1.000 ppm	0.999 ppm	± 0.036 ppm
1,3-Butadiene	106-99-0	1.000 ppm	0.970 ppm	± 0.024 ppm
Methanol (No Stability Guarantee)	67-56-1	1.000 ppm	0.941 ppm	± 0.094 ppm
n-Butane	106-97-8	1.000 ppm	1.030 ppm	± 0.014 ppm
Bromomethane	74-83-9	1.000 ppm	1.040 ppm	± 0.041 ppm
Chloroethane	75-00-3	1.000 ppm	1.057 ppm	± 0.031 ppm
Vinyl Bromide	593-60-2	1.000 ppm	1.005 ppm	± 0.018 ppm
Acetonitrile	75-05-8	1.000 ppm	0.972 ppm	± 0.010 ppm
Acrolein	107-02-8	1.000 ppm	0.971 ppm	± 0.094 ppm
Isopentane	78-78-4	1.000 ppm	1.045 ppm	± 0.010 ppm
Acetone	67-64-1	1.000 ppm	1.043 ppm	± 0.010 ppm
Freon-11	75-69-4	1.000 ppm	1.041 ppm	± 0.029 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	1.017 ppm	± 0.010 ppm
Acrylonitrile	107-13-1	1.000 ppm	1.019 ppm	± 0.010 ppm
n-Pentane	109-66-0	1.000 ppm	1.021 ppm	± 0.009 ppm
Ethyl Ether	60-29-7	1.000 ppm	1.023 ppm	± 0.009 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	1.019 ppm	± 0.009 ppm
Carbon Disulfide	75-15-0	1.000 ppm	1.036 ppm	± 0.009 ppm
Methylene Chloride	75-09-2	1.000 ppm	1.025 ppm	± 0.009 ppm
Tert-Butanol	75-65-0	1.000 ppm	1.080 ppm	± 0.011 ppm
3-Chloropropene	107-05-1	1.000 ppm	1.073 ppm	± 0.011 ppm
Freon-113	76-13-1	1.000 ppm	1.068 ppm	± 0.009 ppm

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Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	Reported Conc	Uncertainty (k=2.447 @ 95%)
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	1.033 ppm	± 0.009 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	1.027 ppm	± 0.010 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	1.056 ppm	± 0.010 ppm
Vinyl Acetate	108-05-4	1.000 ppm	1.007 ppm	± 0.010 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	1.036 ppm	± 0.009 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	1.037 ppm	± 0.009 ppm
Hexane	110-54-3	1.000 ppm	1.047 ppm	± 0.009 ppm
Chloroform	67-66-3	1.000 ppm	1.032 ppm	± 0.009 ppm
Ethyl Acetate	141-78-6	1.000 ppm	1.021 ppm	± 0.009 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	0.981 ppm	± 0.009 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	1.046 ppm	± 0.009 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	1.032 ppm	± 0.009 ppm
Benzene	71-43-2	1.000 ppm	1.039 ppm	± 0.010 ppm
1-Butanol	71-36-3	1.000 ppm	0.911 ppm	± 0.028 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	1.005 ppm	± 0.009 ppm
Cyclohexane	110-82-7	1.000 ppm	1.022 ppm	± 0.009 ppm
Dibromomethane	74-95-3	1.000 ppm	1.034 ppm	± 0.009 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	1.035 ppm	± 0.009 ppm
Trichloroethylene	79-01-6	1.000 ppm	1.029 ppm	± 0.009 ppm
Bromodichloromethane	75-27-4	1.000 ppm	1.029 ppm	± 0.009 ppm
1,4-Dioxane	123-91-1	1.000 ppm	1.029 ppm	± 0.009 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	1.014 ppm	± 0.009 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	1.021 ppm	± 0.010 ppm
Heptane	142-82-5	1.000 ppm	1.031 ppm	± 0.009 ppm
Methylcyclohexane	108-87-2	1.000 ppm	1.048 ppm	± 0.009 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	0.994 ppm	± 0.027 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	1.019 ppm	± 0.009 ppm

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Report ID:

26909

Revision:

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Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	Reported Conc	Uncertainty (k=2.447 @ 95%)
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	0.985 ppm	± 0.028 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	1.049 ppm	± 0.009 ppm
Toluene	108-88-3	1.000 ppm	1.020 ppm	± 0.009 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	1.011 ppm	± 0.009 ppm
Dibromochloromethane	124-48-1	1.000 ppm	1.060 ppm	± 0.009 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	1.066 ppm	± 0.009 ppm
n-Octane	111-65-9	1.000 ppm	1.030 ppm	± 0.009 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	1.047 ppm	± 0.009 ppm
Chlorobenzene	108-90-7	1.000 ppm	1.050 ppm	± 0.009 ppm
Ethylbenzene	100-41-4	1.000 ppm	1.023 ppm	± 0.009 ppm
p-xylene	106-42-3	1.000 ppm	1.027 ppm	± 0.009 ppm
m-xylene	108-38-3	1.000 ppm	1.031 ppm	± 0.009 ppm
Bromoform	75-25-2	1.000 ppm	1.030 ppm	± 0.009 ppm
Styrene	100-42-5	1.000 ppm	1.028 ppm	± 0.009 ppm
o-xylene	95-47-6	1.000 ppm	1.037 ppm	± 0.009 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	1.035 ppm	± 0.009 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	1.064 ppm	± 0.010 ppm
Nonane	111-84-2	1.000 ppm	1.047 ppm	± 0.009 ppm
Cumene	98-82-8	1.000 ppm	1.046 ppm	± 0.009 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	1.043 ppm	± 0.009 ppm
n-Propylbenzene	103-65-1	1.000 ppm	1.036 ppm	± 0.009 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	1.025 ppm	± 0.009 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	1.049 ppm	± 0.009 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.000 ppm	1.016 ppm	± 0.009 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	1.040 ppm	± 0.009 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	1.044 ppm	± 0.009 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	1.017 ppm	± 0.009 ppm

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Revision:

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Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	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>Reported Conc</u>	<u>Uncertainty (k=2.447 @ 95%)</u>
Benzyl Chloride	100-44-7	1.000 ppm	1.016 ppm	± 0.009 ppm
n-Decane	124-18-5	1.000 ppm	1.034 ppm	± 0.009 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	1.040 ppm	± 0.009 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	1.046 ppm	± 0.009 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	1.050 ppm	± 0.009 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	1.076 ppm	± 0.010 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	1.051 ppm	± 0.009 ppm
n-Undecane	1120-21-4	1.000 ppm	1.072 ppm	± 0.010 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	1.098 ppm	± 0.040 ppm
Naphthalene	91-20-3	1.000 ppm	1.050 ppm	± 0.010 ppm
n-Dodecane	112-40-3	1.000 ppm	1.064 ppm	± 0.010 ppm

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ISO 17025 Certificate



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PAGE: 6 of 6
Report ID: 26909
Revision: 0

Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	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>Reported Conc</u>	<u>Uncertainty (k=2.447 @ 95%)</u>
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	1.086 ppm	± 0.010 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	1.085 ppm	± 0.040 ppm
Nitrogen	7727-37-9	Balance	Balance	


ANALYST: Lou Lorenzetti

DATE: Jan-22-2019

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Preliminary Report

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221214-53671.b\53671-10.D
 Lims ID: test lcs
 Client ID:
 Sample Type: Client
 Inject. Date: 14-Dec-2022 14:58:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0053671-010
 Misc. Info.: test lcs
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221214-53671.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Dec-2022 13:46:06 Calib Date: 23-Nov-2022 00:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221122-53429.b\53429-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1661

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41	4.327	4.337	-0.006	98	3802182	36.2	
T 2 Difluoroethane TIC	1		4.375				ND	1
3 Dichlorodifluoromethane	85	4.423	4.433	-0.006	99	9190997	35.5	
4 Chlorodifluoromethane	51	4.461	4.470	-0.005	97	6160565	34.8	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.782	4.786	0.000	95	8822938	34.8	
6 Chloromethane	50	4.894	4.899	0.000	99	3641269	35.9	
7 Vinyl chloride	62	5.199	5.204	0.000	99	2344715	32.9	
8 Butane	43	5.210	5.215	0.000	97	3244386	34.3	
9 Butadiene	54	5.317	5.322	0.000	95	1747977	29.4	
10 Bromomethane	94	6.012	6.018	0.000	99	2719094	35.2	
12 Chloroethane	64	6.280	6.280	0.006	100	1652704	37.9	
13 2-Methylbutane	43	6.499	6.500	0.005	92	3633236	36.6	
14 Vinyl bromide	106	6.692	6.693	0.006	99	2476806	35.5	
15 Trichlorofluoromethane	101	6.857	6.859	0.005	100	7305712	34.0	
16 Pentane	43	7.066	7.067	0.005	97	4907637	40.1	E
17 Ethanol	45		7.200				ND	
18 Ethyl ether	59	7.467	7.496	-0.022	96	1824337	39.1	
19 Acrolein	56	7.681	7.694	-0.006	97	920944	37.0	
20 1,1-Dichloroethene	96	7.895	7.897	0.005	98	2376108	37.0	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.938	7.940	0.005	97	4854466	37.0	
22 Acetone	43	7.949	7.978	-0.021	99	3539250	39.9	
23 Isopropyl alcohol	45	8.238	8.288	-0.043	100	4121927	43.1	Ep
24 Carbon disulfide	76	8.318	8.320	0.005	100	6462900	41.4	E
25 Acetonitrile	41	8.414	8.433	-0.011	98	1618242	46.3	Ep
27 3-Chloro-1-propene	41	8.580	8.583	0.005	98	2849783	41.2	E
28 Methylene Chloride	49	8.799	8.802	0.005	92	2379589	41.2	E
T 26 Methyl Acetate TIC	43	8.564	8.896	-0.332	80	308730	9.21	3
29 2-Methyl-2-propanol	59	9.003	9.091	-0.080	94	5241049	45.9	E
30 Acrylonitrile	53	9.169	9.177	0.000	94	1427467	43.9	E
32 trans-1,2-Dichloroethene	61	9.308	9.311	0.006	98	2971543	37.5	
31 Methyl tert-butyl ether	73	9.313	9.349	-0.027	96	6642302	38.0	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.\20221214-53671.b\53671-10.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
S 33 1,2-Dichloroethene, Total	61				0		75.7	
34 Hexane	57	9.816	9.820	0.005	91	3113079	39.5	
36 1,1-Dichloroethane	63	10.057	10.055	0.011	95	3750276	38.8	
35 Vinyl acetate	43	10.057	10.071	-0.005	99	3715339	31.0	
37 2-Butanone (MEK)	72	10.993	11.019	-0.016	99	1090418	42.6	E
38 cis-1,2-Dichloroethene	96	11.030	11.035	0.005	94	2277466	38.2	
39 Ethyl acetate	88	11.089	11.110	-0.011	100	200047	41.7	E
* 40 Chlorobromomethane	128	11.448	11.437	0.011	90	335234	10.0	
41 Tetrahydrofuran	42	11.490	11.516	-0.022	89	2183819	41.2	E
42 Chloroform	83	11.619	11.619	0.011	97	4905165	38.9	
43 1,1,1-Trichloroethane	97	11.934	11.934	0.005	95	5546621	36.8	
44 Cyclohexane	84	12.089	12.089	0.005	95	3016299	38.7	
45 Carbon tetrachloride	117	12.223	12.223	0.005	99	5848095	36.3	
46 Benzene	78	12.555	12.555	0.005	96	6722437	38.9	
47 1,2-Dichloroethane	62	12.619	12.619	0.005	99	3625025	38.3	
48 Isooctane	57	12.780	12.779	0.006	98	9972506	38.6	
49 n-Heptane	43	13.085	13.084	0.006	89	3528532	38.6	
* 50 1,4-Difluorobenzene	114	13.282	13.277	0.005	95	1741747	10.0	
51 n-Butanol	56	13.480	13.523	-0.038	89	1273100	36.2	
52 Trichloroethene	95	13.716	13.716	0.005	98	3152116	36.9	
A 53 GRO	1	14.133	(6.484-21.783)		0	1069570383	0	g
55 1,2-Dichloropropane	63	14.165	14.166	0.005	84	2221117	38.0	
T 54 Methyl cyclohexane TIC	55	14.176	14.176	0.000	88	4084772	23.5	p
56 Methyl methacrylate	69	14.245	14.251	-0.001	95	2441000	42.2	Ep
58 Dibromomethane	174	14.320	14.321	0.005	95	2942050	37.2	
57 1,4-Dioxane	88	14.294	14.337	-0.037	93	1598360	53.9	E
59 Dichlorobromomethane	83	14.625	14.626	0.005	99	5411375	39.2	
60 cis-1,3-Dichloropropene	75	15.422	15.423	0.005	95	4240934	38.2	
A 61 TVOC as Toluene	92	15.484	(4.323-26.645)		0	1717604565	0	g
62 4-Methyl-2-pentanone (MIBK)	43	15.668	15.712	-0.038	95	4905744	44.4	E
63 Toluene	92	16.070	16.069	0.006	94	5105378	38.5	
A 64 Toluene Range	1	16.083	(15.995-16.171)		0	20233168	NC	g
A 65 C8 Range	1	16.321	(16.241-16.401)		0	20440093	NC	g
66 n-Octane	43	16.332	16.333	0.005	87	4819646	37.5	
67 trans-1,3-Dichloropropene	75	16.471	16.472	0.005	98	4156317	40.2	E
68 1,1,2-Trichloroethane	83	16.845	16.845	0.005	99	2401338	38.8	
69 Tetrachloroethene	166	17.065	17.064	0.006	97	4515054	35.3	
70 2-Hexanone	43	17.487	17.385	0.107	75	1535722	15.8	
71 Chlorodibromomethane	129	17.589	17.589	0.005	98	5763965	38.8	
72 Ethylene Dibromide	107	17.835	17.835	0.005	98	4655546	39.0	
* 73 Chlorobenzene-d5	117	18.739	18.734	0.005	90	1614325	10.0	
74 Chlorobenzene	112	18.798	18.798	0.005	94	7111679	37.5	
75 Ethylbenzene	91	18.991	18.991	0.006	98	11523284	38.0	
76 m-Xylene & p-Xylene	106	19.258	19.258	0.005	0	9102745	75.3	
77 n-Nonane	57	19.322	19.328	0.000	84	4978173	39.0	
S 78 Xylenes, Total	106				0		113.2	
79 o-Xylene	106	20.023	20.023	0.005	99	4475629	37.9	
80 Styrene	104	20.061	20.061	0.006	99	7275832	42.1	E
81 Bromoform	173	20.408	20.414	0.000	99	5878905	38.9	
82 Isopropylbenzene	105	20.724	20.730	0.000	96	13336709	36.6	
83 1,1,2,2-Tetrachloroethane	83	21.227	21.233	0.000	99	6150327	38.3	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221214-53671.b\53671-10.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	75	21.334	21.334	0.005	97	5347634	38.3	
85 N-Propylbenzene	91	21.446	21.447	0.005	99	15135454	36.2	
86 2-Chlorotoluene	91	21.591	21.597	0.000	97	9960272	37.3	
87 4-Ethyltoluene	105	21.644	21.650	0.000	97	13009274	36.3	
88 1,3,5-Trimethylbenzene	105	21.740	21.741	0.005	93	11441572	36.4	
89 n-Decane	57	21.778	21.779	0.005	94	6181510	37.3	
90 Alpha Methyl Styrene	118	22.067	22.068	0.006	89	5978737	41.2	E
91 tert-Butylbenzene	119	22.222	22.223	0.005	93	11116469	34.8	
92 1,2,4-Trimethylbenzene	105	22.307	22.314	-0.001	98	11512155	36.4	
93 sec-Butylbenzene	105	22.548	22.549	0.005	97	15627610	34.3	
94 1,3-Dichlorobenzene	146	22.719	22.726	0.000	99	7887073	38.4	
95 4-Isopropyltoluene	119	22.762	22.769	0.000	96	14019332	35.0	
96 1,4-Dichlorobenzene	146	22.864	22.870	0.000	94	7888652	38.9	
97 Benzyl chloride	91	23.003	23.004	0.005	99	10243492	40.7	E
98 n-Butylbenzene	91	23.319	23.325	0.000	98	12376742	36.2	
99 1,2-Dichlorobenzene	146	23.345	23.352	0.000	95	7566301	37.1	
100 Undecane	57	23.474	23.475	0.006	91	7078874	38.1	
101 Dodecane	57	25.041	25.048	0.000	95	6872178	40.5	E
102 1,2,4-Trichlorobenzene	180	25.769	25.771	0.006	94	6783940	39.0	
103 Hexachlorobutadiene	225	26.009	26.017	-0.001	99	7064102	32.0	
104 Naphthalene	128	26.234	26.242	0.000	99	15848475	41.2	E
105 1,2,3-Trichlorobenzene	180	26.641	26.643	0.006	96	6733943	40.8	E
T 106 Chlorotrifluoroethene TIC	1		0.000				ND	1
T 107 Methyl acetylene TIC	1		0.000				ND	1
T 108 1,1,1-Trifluoro-2,2-dichloroethane TIC			0.000				ND	1
T 110 1,2-Dibromo-3-Chloropropane TIC			0.000				ND	1
T 111 1,1,1,2-Tetrachloroethane TIC	1		0.000				ND	1
113 Total Alkanes TIC	1		0.000				ND	
114 Methylcyclohexane	83		0.000				ND	g
115 1,2,3-Trimethylbenzene TIC	1		0.000				ND	i
T 109 Freon 115 TIC	1		4.760				ND	1
T 112 1,3-Dichloropropane TIC	1	17.161	17.166	-0.005	91	27844	0	6

QC Flag Legend

Processing Flags

NC - Not Calibrated

1 - Missing Peaks

3 - Failed RT Window Test

E - Exceeded Maximum Amount

6 - Missing Quant Standard

i - Failed Initial Calibration Limits

p - Peak ID'd as Multiple Compounds

g - Not in Limit Group or Failed to Calibrate

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Preliminary Report

Eurofins Burlington

Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221214-53671.b\53671-08.D
 Lims ID: test_knox
 Client ID:
 Sample Type: Client
 Inject. Date: 14-Dec-2022 13:12:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0053671-008
 Misc. Info.: test_knox
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221214-53671.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Dec-2022 11:59:47 Calib Date: 23-Nov-2022 00:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221122-53429.b\53429-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1661

First Level Reviewer: V0FK

Date:

14-Dec-2022 14:01:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41	4.332	4.337	-0.001	99	4186740	39.9	
T 2 Difluoroethane TIC	1		4.375				ND	1
3 Dichlorodifluoromethane	85	4.423	4.433	-0.006	99	9797477	38.0	
4 Chlorodifluoromethane	51	4.461	4.470	-0.005	97	6615746	37.5	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.782	4.786	0.000	98	9433689	37.4	
6 Chloromethane	50	4.894	4.899	0.000	99	3870664	38.3	
7 Vinyl chloride	62	5.199	5.204	0.000	99	2547349	35.8	
8 Butane	43	5.210	5.215	0.000	97	3641504	38.6	
9 Butadiene	54	5.317	5.322	0.000	96	2054618	34.7	
10 Bromomethane	94	6.012	6.018	0.000	99	2803631	36.4	
12 Chloroethane	64	6.280	6.280	0.006	100	1717427	39.5	
13 2-Methylbutane	43	6.499	6.500	0.005	93	3991457	40.3	E
14 Vinyl bromide	106	6.692	6.693	0.006	98	2636119	37.9	
15 Trichlorofluoromethane	101	6.857	6.859	0.005	100	8085944	37.8	
16 Pentane	43	7.066	7.067	0.005	97	5321666	43.6	E
17 Ethanol	45		7.200				ND	
18 Ethyl ether	59	7.467	7.496	-0.022	96	1959723	42.1	E
19 Acrolein	56	7.681	7.694	-0.006	97	980713	39.5	
20 1,1-Dichloroethene	96	7.895	7.897	0.005	97	2556853	39.9	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.938	7.940	0.005	97	5219768	39.9	
22 Acetone	43	7.949	7.978	-0.021	99	3751725	42.4	E
23 Isopropyl alcohol	45	8.238	8.288	-0.043	100	4956445	51.9	Ep
24 Carbon disulfide	76	8.318	8.320	0.005	100	7060454	45.4	E
25 Acetonitrile	41	8.414	8.433	-0.011	98	1855260	53.3	Ep
27 3-Chloro-1-propene	41	8.580	8.583	0.005	98	3177950	46.1	E
28 Methylene Chloride	49	8.799	8.802	0.005	92	2606337	45.3	E
T 26 Methyl Acetate TIC	43	8.890	8.904	-0.006	33	11681	0.3496	9
29 2-Methyl-2-propanol	59	9.003	9.091	-0.080	94	6107237	53.7	E
30 Acrylonitrile	53	9.169	9.177	-0.001	94	1541309	47.6	E
32 trans-1,2-Dichloroethene	61	9.308	9.311	0.006	98	3251149	41.1	E

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.\20221214-53671.b\53671-08.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
31 Methyl tert-butyl ether	73	9.313	9.348	-0.027	96	7208675	41.4	E
S 33 1,2-Dichloroethene, Total	61				0		83.0	E
34 Hexane	57	9.816	9.820	0.005	91	3442607	43.8	E
36 1,1-Dichloroethane	63	10.057	10.055	0.011	100	4144237	43.0	E
35 Vinyl acetate	43	10.057	10.071	-0.005	99	5321245	44.6	E
37 2-Butanone (MEK)	72	10.993	11.019	-0.016	99	1209765	47.5	E
38 cis-1,2-Dichloroethene	96	11.030	11.035	0.005	94	2483094	41.8	E
39 Ethyl acetate	88	11.084	11.110	-0.016	100	224803	47.0	E
* 40 Chlorobromomethane	128	11.447	11.437	0.010	87	334167	10.0	
41 Tetrahydrofuran	42	11.490	11.516	-0.022	88	2562508	49.3	E
42 Chloroform	83	11.619	11.619	0.011	97	5438559	43.2	E
43 1,1,1-Trichloroethane	97	11.934	11.934	0.005	95	6106209	41.4	E
44 Cyclohexane	84	12.089	12.089	0.005	96	3256632	42.7	E
45 Carbon tetrachloride	117	12.223	12.223	0.005	99	6436236	40.9	E
46 Benzene	78	12.555	12.555	0.005	96	7295427	43.2	E
47 1,2-Dichloroethane	62	12.619	12.619	0.005	99	4024117	43.4	E
48 Isooctane	57	12.780	12.779	0.006	98	11089709	43.8	E
49 n-Heptane	43	13.084	13.084	0.005	90	3966781	44.4	E
* 50 1,4-Difluorobenzene	114	13.282	13.277	0.005	95	1704687	10.0	
51 n-Butanol	56	13.480	13.523	-0.038	88	2051650	59.7	E
52 Trichloroethene	95	13.716	13.716	0.005	98	3443816	41.2	E
A 53 GRO	1	14.133	(6.484-21.783)		0	1148303557	0	g
55 1,2-Dichloropropane	63	14.165	14.165	0.005	84	2635139	46.1	E
T 54 Methyl cyclohexane TIC	55		14.176				ND	79
56 Methyl methacrylate	69	14.240	14.251	-0.006	95	2704647	47.7	E
58 Dibromomethane	174	14.326	14.321	0.011	95	3251084	42.0	E
57 1,4-Dioxane	88	14.294	14.337	-0.037	93	1846797	63.6	E
59 Dichlorobromomethane	83	14.625	14.626	0.005	99	6056007	44.8	E
60 cis-1,3-Dichloropropene	75	15.422	15.423	0.005	96	4638649	42.7	E
A 61 TVOC as Toluene	92	15.484	(4.323-26.645)		0	1842518753	0	g
62 4-Methyl-2-pentanone (MIBK)	43	15.668	15.712	-0.038	95	5566013	51.4	E
63 Toluene	92	16.070	16.069	0.006	94	5607718	42.9	E
A 64 Toluene Range	1	16.083	(15.995-16.171)		0	22261648	NC	g
A 65 C8 Range	1	16.321	(16.241-16.401)		0	22769337	NC	g
66 n-Octane	43	16.332	16.333	0.005	87	5379409	42.7	E
67 trans-1,3-Dichloropropene	75	16.471	16.472	0.005	98	4572359	45.2	E
68 1,1,2-Trichloroethane	83	16.845	16.845	0.005	99	2656224	43.6	E
69 Tetrachloroethene	166	17.065	17.064	0.006	97	4936105	39.1	
70 2-Hexanone	43	17.247	17.385	-0.133	95	5723828	59.6	E
71 Chlorodibromomethane	129	17.589	17.589	0.005	98	6411680	43.8	E
72 Ethylene Dibromide	107	17.835	17.835	0.005	98	5151847	43.8	E
* 73 Chlorobenzene-d5	117	18.739	18.734	0.005	88	1590359	10.0	
74 Chlorobenzene	112	18.798	18.798	0.005	94	7718256	41.3	E
75 Ethylbenzene	91	18.991	18.991	0.006	98	12808287	42.9	E
76 m-Xylene & p-Xylene	106	19.258	19.258	0.005	0	10019687	84.2	E
77 n-Nonane	57	19.328	19.328	0.006	84	5468655	43.5	E
S 78 Xylenes, Total	106				0		126.8	E
79 o-Xylene	106	20.023	20.023	0.005	99	4968876	42.7	E
80 Styrene	104	20.061	20.061	0.005	99	7924562	46.5	E
81 Bromoform	173	20.414	20.414	0.006	99	6547601	44.0	E
82 Isopropylbenzene	105	20.724	20.730	0.000	97	14414132	40.2	E

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221214-53671.b\53671-08.D

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
83 1,1,2,2-Tetrachloroethane	83	21.227	21.233	0.000	99	6758336	42.7	E
84 1,2,3-Trichloropropane	75	21.334	21.334	0.005	97	5812225	42.2	E
85 N-Propylbenzene	91	21.446	21.447	0.005	99	16458001	39.9	
86 2-Chlorotoluene	91	21.596	21.597	0.005	97	10793468	41.0	E
87 4-Ethyltoluene	105	21.644	21.650	0.000	97	14411386	40.9	E
88 1,3,5-Trimethylbenzene	105	21.740	21.741	0.005	93	12444696	40.2	E
89 n-Decane	57	21.778	21.779	0.005	94	6672655	40.9	E
90 Alpha Methyl Styrene	118	22.067	22.068	0.006	89	6643418	46.5	E
91 tert-Butylbenzene	119	22.222	22.223	0.005	92	12206632	38.8	
92 1,2,4-Trimethylbenzene	105	22.307	22.314	-0.001	98	12520312	40.1	E
93 sec-Butylbenzene	105	22.548	22.549	0.005	96	16805750	37.4	
94 1,3-Dichlorobenzene	146	22.725	22.726	0.006	99	8489588	42.0	E
95 4-Isopropyltoluene	119	22.767	22.769	0.005	96	15094334	38.3	
96 1,4-Dichlorobenzene	146	22.864	22.870	0.000	94	8531028	42.7	E
97 Benzyl chloride	91	23.003	23.004	0.005	98	11254467	45.4	E
98 n-Butylbenzene	91	23.318	23.325	-0.001	98	13349823	39.6	
99 1,2-Dichlorobenzene	146	23.345	23.352	0.000	95	8180583	40.8	E
100 Undecane	57	23.474	23.475	0.006	91	7612870	41.6	E
101 Dodecane	57	25.041	25.048	0.000	95	6524107	39.1	
102 1,2,4-Trichlorobenzene	180	25.769	25.771	0.006	94	6996348	40.9	E
103 Hexachlorobutadiene	225	26.009	26.017	-0.001	99	7460637	34.3	
104 Naphthalene	128	26.234	26.241	0.000	99	16474902	43.4	E
105 1,2,3-Trichlorobenzene	180	26.641	26.643	0.006	95	6971254	42.8	E
T 106 Chlorotrifluoroethene TIC	1		0.000				ND	1
T 107 Methyl acetylene TIC	1		0.000				ND	1
T 108 1,1,1-Trifluoro-2,2-dichloroethane			0.000				ND	1
T 110 1,2-Dibromo-3-Chloropropane TIC			0.000				ND	1
T 111 1,1,1,2-Tetrachloroethane TIC	1		0.000				ND	1
113 Total Alkanes TIC	1		0.000				ND	
114 Methylcyclohexane	83		0.000				ND	g
115 1,2,3-Trimethylbenzene TIC	1		0.000				ND	i
T 109 Freon 115 TIC	1		4.760				ND	1
T 112 1,3-Dichloropropane TIC	1	17.161	17.166	-0.005	83	30090	0	36

Preliminary Report

QC Flag Legend

Processing Flags

NC - Not Calibrated

1 - Missing Peaks

3 - Failed RT Window Test

E - Exceeded Maximum Amount

6 - Missing Quant Standard

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

i - Failed Initial Calibration Limits

p - Peak ID'ed as Multiple Compounds

g - Not in Limit Group or Failed to Calibrate

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

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.: 200-67137-1
SDG No.: 200-67137
Matrix: Air Level: Low Lab File ID: 200-54753-005.D
Lab ID: LCS 200-189477/5 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.3	103	61-142	
Freon 22	10.0	10.3	103	60-147	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	71-141	
Chloromethane	10.0	10.2	102	56-141	
n-Butane	10.0	10.4	104	53-151	
Vinyl chloride	10.0	10.1	101	61-135	
1,3-Butadiene	10.0	9.46	95	58-139	
Bromomethane	10.0	10.2	102	72-124	
Chloroethane	10.0	10.4	104	68-130	
Bromoethene (Vinyl Bromide)	10.0	8.57	86	75-125	
Trichlorofluoromethane	10.0	8.90	89	70-129	
Freon TF	10.0	10.0	100	70-121	
1,1-Dichloroethene	10.0	9.19	92	68-120	
Acetone	10.0	10.4	104	54-154	
Isopropyl alcohol	10.0	10.5	105	53-142	
Carbon disulfide	10.0	10.3	103	71-138	
3-Chloropropene	10.0	9.90	99	50-150	
Methylene Chloride	10.0	9.89	99	59-137	
tert-Butyl alcohol	10.0	10.1	101	66-132	
Methyl tert-butyl ether	10.0	9.82	98	70-127	
trans-1,2-Dichloroethene	10.0	9.94	99	69-137	
n-Hexane	10.0	9.55	96	63-138	
1,1-Dichloroethane	10.0	10.3	103	66-130	
Methyl Ethyl Ketone	10.0	9.51	95	72-124	
cis-1,2-Dichloroethene	10.0	10.1	101	72-121	
Chloroform	10.0	9.82	98	73-124	
Tetrahydrofuran	10.0	11.3	113	60-149	
1,1,1-Trichloroethane	10.0	10.3	103	72-127	
Cyclohexane	10.0	10.3	103	76-124	
Carbon tetrachloride	10.0	11.2	112	71-133	
2,2,4-Trimethylpentane	10.0	10.2	102	68-131	
Benzene	10.0	10.2	102	73-119	
1,2-Dichloroethane	10.0	10.3	103	68-135	
n-Heptane	10.0	10.0	100	60-142	
Trichloroethene	10.0	10.4	104	73-122	
Methyl methacrylate	10.0	10.2	102	73-129	
1,2-Dichloropropane	10.0	10.7	107	69-128	
1,4-Dioxane	10.0	11.2	112	66-129	
Bromodichloromethane	10.0	10.5	106	75-127	
cis-1,3-Dichloropropene	10.0	10.4	104	74-125	
methyl isobutyl ketone	10.0	8.77	88	58-144	
Toluene	10.0	9.82	98	75-122	

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.: 200-67137-1
SDG No.: 200-67137
Matrix: Air Level: Low Lab File ID: 200-54753-005.D
Lab ID: LCS 200-189477/5 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.90	99	74-128	
1,1,2-Trichloroethane	10.0	9.85	98	75-126	
Tetrachloroethene	10.0	10.5	105	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	57-143	
Dibromochloromethane	10.0	10.5	105	73-125	
1,2-Dibromoethane	10.0	10.6	106	78-122	
Chlorobenzene	10.0	10.6	106	76-119	
Ethylbenzene	10.0	10.1	101	74-122	
m,p-Xylene	20.0	21.3	107	76-121	
Xylene, o-	10.0	9.98	100	73-123	
Styrene	10.0	10.2	102	74-125	
Bromoform	10.0	10.7	107	53-149	
Cumene	10.0	10.3	103	73-123	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	74-126	
n-Propylbenzene	10.0	10.3	103	73-127	
4-Ethyltoluene	10.0	10.2	102	75-129	
1,3,5-Trimethylbenzene	10.0	9.92	99	72-126	
2-Chlorotoluene	10.0	10.3	103	74-126	
tert-Butylbenzene	10.0	9.67	97	71-125	
1,2,4-Trimethylbenzene	10.0	9.97	100	71-129	
sec-Butylbenzene	10.0	9.70	97	70-128	
4-Isopropyltoluene	10.0	9.56	96	68-130	
1,3-Dichlorobenzene	10.0	10.1	101	69-131	
1,4-Dichlorobenzene	10.0	9.96	100	67-132	
Benzyl chloride	10.0	11.1	111	60-136	
n-Butylbenzene	10.0	9.87	99	65-137	
1,2-Dichlorobenzene	10.0	10.2	102	68-129	
1,2,4-Trichlorobenzene	10.0	10.2	102	50-150	
Hexachlorobutadiene	10.0	8.55	85	58-130	
Naphthalene	10.0	11.0	110	50-150	
1,2,3-Trichlorobenzene	10.0	10.4	104	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.: 200-67137-1
 SDG No.: 200-67137
 Matrix: Air Level: Low Lab File ID: 200-54759-003.D
 Lab ID: LCS 200-189486/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.55	95	61-142	
Freon 22	10.0	10.4	104	60-147	
1,2-Dichlorotetrafluoroethane	10.0	9.68	97	71-141	
Chloromethane	10.0	9.83	98	56-141	
n-Butane	10.0	9.76	98	53-151	
Vinyl chloride	10.0	9.67	97	61-135	
1,3-Butadiene	10.0	9.11	91	58-139	
Bromomethane	10.0	9.93	99	72-124	
Chloroethane	10.0	10.1	101	68-130	
Bromoethene (Vinyl Bromide)	10.0	8.03	80	75-125	
Trichlorofluoromethane	10.0	8.38	84	70-129	
Freon TF	10.0	9.70	97	70-121	
1,1-Dichloroethene	10.0	8.67	87	68-120	
Acetone	10.0	9.97	100	54-154	
Isopropyl alcohol	10.0	9.51	95	53-142	
Carbon disulfide	10.0	9.78	98	71-138	
3-Chloropropene	10.0	9.41	94	50-150	
Methylene Chloride	10.0	9.68	97	59-137	
tert-Butyl alcohol	10.0	9.27	93	66-132	
Methyl tert-butyl ether	10.0	9.19	92	70-127	
trans-1,2-Dichloroethene	10.0	9.71	97	69-137	
n-Hexane	10.0	9.19	92	63-138	
1,1-Dichloroethane	10.0	10.0	100	66-130	
Methyl Ethyl Ketone	10.0	8.77	88	72-124	
cis-1,2-Dichloroethene	10.0	9.63	96	72-121	
Chloroform	10.0	9.41	94	73-124	
Tetrahydrofuran	10.0	8.95	90	60-149	
1,1,1-Trichloroethane	10.0	8.52	85	72-127	
Cyclohexane	10.0	8.49	85	76-124	
Carbon tetrachloride	10.0	9.50	95	71-133	
2,2,4-Trimethylpentane	10.0	8.46	85	68-131	
Benzene	10.0	8.48	85	73-119	
1,2-Dichloroethane	10.0	8.74	87	68-135	
n-Heptane	10.0	8.31	83	60-142	
Trichloroethene	10.0	8.34	83	73-122	
Methyl methacrylate	10.0	8.21	82	73-129	
1,2-Dichloropropane	10.0	9.00	90	69-128	
1,4-Dioxane	10.0	8.64	86	66-129	
Bromodichloromethane	10.0	8.74	87	75-127	
cis-1,3-Dichloropropene	10.0	8.63	86	74-125	
methyl isobutyl ketone	10.0	8.04	80	58-144	
Toluene	10.0	8.80	88	75-122	

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.: 200-67137-1
 SDG No.: 200-67137
 Matrix: Air Level: Low Lab File ID: 200-54759-003.D
 Lab ID: LCS 200-189486/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	8.09	81	74-128	
1,1,2-Trichloroethane	10.0	8.77	88	75-126	
Tetrachloroethene	10.0	8.96	90	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.73	87	57-143	
Dibromochloromethane	10.0	9.10	91	73-125	
1,2-Dibromoethane	10.0	9.16	92	78-122	
Chlorobenzene	10.0	9.10	91	76-119	
Ethylbenzene	10.0	8.63	86	74-122	
m,p-Xylene	20.0	18.0	90	76-121	
Xylene, o-	10.0	8.40	84	73-123	
Styrene	10.0	8.58	86	74-125	
Bromoform	10.0	8.98	90	53-149	
Cumene	10.0	8.57	86	73-123	
1,1,2,2-Tetrachloroethane	10.0	9.05	91	74-126	
n-Propylbenzene	10.0	8.60	86	73-127	
4-Ethyltoluene	10.0	8.43	84	75-129	
1,3,5-Trimethylbenzene	10.0	8.22	82	72-126	
2-Chlorotoluene	10.0	8.71	87	74-126	
tert-Butylbenzene	10.0	8.00	80	71-125	
1,2,4-Trimethylbenzene	10.0	8.24	82	71-129	
sec-Butylbenzene	10.0	8.12	81	70-128	
4-Isopropyltoluene	10.0	7.88	79	68-130	
1,3-Dichlorobenzene	10.0	8.31	83	69-131	
1,4-Dichlorobenzene	10.0	8.28	83	67-132	
Benzyl chloride	10.0	9.16	92	60-136	
n-Butylbenzene	10.0	8.29	83	65-137	
1,2-Dichlorobenzene	10.0	8.37	84	68-129	
1,2,4-Trichlorobenzene	10.0	8.22	82	50-150	
Hexachlorobutadiene	10.0	7.11	71	58-130	
Naphthalene	10.0	8.92	89	50-150	
1,2,3-Trichlorobenzene	10.0	8.21	82	50-150	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Lab File ID: 200-54753-004.D Lab Sample ID: MB 200-189477/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHG.i Date Analyzed: 03/19/2023 12:29
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 200-189477/5	200-54753-0 05.D	03/19/2023 13:21
BANK-1	200-67137-1	200-54753-0 18.D	03/20/2023 00:49
BANK-2	200-67137-2	200-54753-0 19.D	03/20/2023 01:41
CLEANER-1	200-67137-3	200-54753-0 20.D	03/20/2023 02:34

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Lab File ID: 200-54759-004.D Lab Sample ID: MB 200-189486/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHG.i Date Analyzed: 03/20/2023 09:59
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 200-189486/3	200-54759-0 03.D	03/20/2023 09:05
SG-12	200-67137-7	200-54759-0 07.D	03/20/2023 12:38
VMP-2R	200-67137-8	200-54759-0 08.D	03/20/2023 13:30
SG-6	200-67137-9	200-54759-0 09.D	03/20/2023 14:22
SG-4	200-67137-10	200-54759-0 10.D	03/20/2023 15:15
SG-11	200-67137-11	200-54759-0 11.D	03/20/2023 16:08
CLEANER-2	200-67137-4	200-54759-0 12.D	03/20/2023 17:00
CLEANER-3	200-67137-5	200-54759-0 13.D	03/20/2023 17:53
AMBIENT	200-67137-6	200-54759-0 14.D	03/20/2023 18:45
VMP-3R	200-67137-12	200-54759-0 15.D	03/20/2023 19:38
VMP-4R	200-67137-13	200-54759-0 16.D	03/20/2023 20:30

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Lab File ID: 200-54646-001.D BFB Injection Date: 03/10/2023
Instrument ID: CHG.i BFB Injection Time: 09:31
Analysis Batch No.: 189231

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.6
75	30.0 - 66.0% of mass 95	50.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	74.0
175	4.0 - 9.0 % of mass 174	5.3 (7.1) 1
176	93.0 - 101.0% of mass 174	72.3 (97.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-189231/3	200-54646-003	03/10/2023	11:08
	IC 200-189231/4	200-54646-004	03/10/2023	12:00
	IC 200-189231/5	200-54646-005	03/10/2023	12:53
	IC 200-189231/6	200-54646-006	03/10/2023	13:45
	ICIS 200-189231/7	200-54646-007	03/10/2023	14:38
	IC 200-189231/8	200-54646-008	03/10/2023	15:31
	IC 200-189231/11	200-54646-011	03/10/2023	18:13
	IC 200-189231/12	200-54646-012	03/10/2023	19:06
	ICV 200-189231/14	200-54646-014	03/10/2023	20:51

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Lab File ID: 200-54753-001.D BFB Injection Date: 03/19/2023
Instrument ID: CHG.i BFB Injection Time: 09:58
Analysis Batch No.: 189477

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.2
75	30.0 - 66.0% of mass 95	49.7
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	0.6 (0.8) 1
174	50.0 - 120.0% of mass 95	77.0
175	4.0 - 9.0 % of mass 174	5.6 (7.3) 1
176	93.0 - 101.0% of mass 174	74.5 (96.8) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-189477/2	200-54753-002	03/19/2023	10:44
	MB 200-189477/4	200-54753-004	03/19/2023	12:29
	LCS 200-189477/5	200-54753-005	03/19/2023	13:21
BANK-1	200-67137-1	200-54753-018	03/20/2023	0:49
BANK-2	200-67137-2	200-54753-019	03/20/2023	1:41
CLEANER-1	200-67137-3	200-54753-020	03/20/2023	2:34

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Lab File ID: 200-54759-001.D BFB Injection Date: 03/20/2023
Instrument ID: CHG.i BFB Injection Time: 07:26
Analysis Batch No.: 189486

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.4
75	30.0 - 66.0% of mass 95	49.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 120.0% of mass 95	76.7
175	4.0 - 9.0 % of mass 174	5.4 (7.1) 1
176	93.0 - 101.0% of mass 174	74.6 (97.3) 1
177	5.0 - 9.0% of mass 176	4.8 (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 200-189486/2	200-54759-002	03/20/2023	8:11
	LCS 200-189486/3	200-54759-003	03/20/2023	9:05
	MB 200-189486/4	200-54759-004	03/20/2023	9:59
SG-12	200-67137-7	200-54759-007	03/20/2023	12:38
VMP-2R	200-67137-8	200-54759-008	03/20/2023	13:30
SG-6	200-67137-9	200-54759-009	03/20/2023	14:22
SG-4	200-67137-10	200-54759-010	03/20/2023	15:15
SG-11	200-67137-11	200-54759-011	03/20/2023	16:08
CLEANER-2	200-67137-4	200-54759-012	03/20/2023	17:00
CLEANER-3	200-67137-5	200-54759-013	03/20/2023	17:53
AMBIENT	200-67137-6	200-54759-014	03/20/2023	18:45
VMP-3R	200-67137-12	200-54759-015	03/20/2023	19:38
VMP-4R	200-67137-13	200-54759-016	03/20/2023	20:30

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Sample No.: ICIS 200-189231/7 Date Analyzed: 03/10/2023 14:38
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 200-54646-007.D Heated Purge: (Y/N) N
Calibration ID: 49955

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	261805	9.25	1488405	11.24	1325989	17.20	
UPPER LIMIT	366527	9.58	2083767	11.57	1856385	17.53	
LOWER LIMIT	157083	8.92	893043	10.91	795593	16.87	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-189231/14		241503	9.25	1269870	11.24	1224718	17.20

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.: 200-67137-1
 SDG No.: 200-67137
 Sample No.: CCVIS 200-189477/2 Date Analyzed: 03/19/2023 10:44
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 200-54753-002.D Heated Purge: (Y/N) N
 Calibration ID: 49955

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		291703	9.24	1437445	11.23	1348177	17.20
UPPER LIMIT		408384	9.57	2012423	11.56	1887448	17.53
LOWER LIMIT		175022	8.91	862467	10.90	808906	16.87
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 200-189477/4		263427	9.25	1451810	11.24	995767	17.20
LCS 200-189477/5		272666	9.24	1309222	11.24	1203123	17.20
200-67137-1	BANK-1	287545	9.25	1467896	11.23	1239968	17.20
200-67137-2	BANK-2	277814	9.25	1450876	11.23	1300504	17.20
200-67137-3	CLEANER-1	285390	9.25	1503725	11.23	1271382	17.20

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.: 200-67137-1
 SDG No.: 200-67137
 Sample No.: CCVIS 200-189486/2 Date Analyzed: 03/20/2023 08:11
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 200-54759-002.D Heated Purge: (Y/N) N
 Calibration ID: 49955

		BCM		DFBZ		CBNzd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		285915	9.24	1518734	11.23	1328171	17.19
UPPER LIMIT		400281	9.57	2126228	11.56	1859439	17.52
LOWER LIMIT		171549	8.91	911240	10.90	796903	16.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-189486/3		293862	9.24	1623076	11.23	1404328	17.20
MB 200-189486/4		230590	9.25	1385583	11.24	1088535	17.20
200-67137-7	SG-12	265473	9.24	1556480	11.23	1355976	17.19
200-67137-8	VMP-2R	270434	9.24	1451941	11.23	1247486	17.19
200-67137-9	SG-6	275236	9.24	1463250	11.23	1236164	17.20
200-67137-10	SG-4	270158	9.25	1371287	11.23	1100955	17.19
200-67137-11	SG-11	283045	9.25	1502603	11.23	1287317	17.20
200-67137-4	CLEANER-2	290996	9.24	1513049	11.23	1364019	17.19
200-67137-5	CLEANER-3	290200	9.24	1568812	11.23	1362879	17.19
200-67137-6	AMBIENT	280441	9.24	1461381	11.23	1331268	17.19
200-67137-12	VMP-3R	269727	9.25	1438449	11.23	1218356	17.20
200-67137-13	VMP-4R	277380	9.24	1489206	11.23	1278292	17.19

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>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>BANK-1</u>	Lab Sample ID: <u>200-67137-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54753-018.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 15:18</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 00:49</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>189477</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.5		0.50	0.11
75-45-6	Freon 22	86.47	1.4		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	1.2		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	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	J	0.20	0.050
76-13-1	Freon TF	187.38	0.056	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.026
67-64-1	Acetone	58.08	9.5		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	3.4	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	0.32	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	0.25	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	72.11	0.88		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.045		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.047	J	0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: BANK-1 Lab Sample ID: 200-67137-1

Matrix: Air Lab File ID: 200-54753-018.D

Analysis Method: TO-15 Date Collected: 03/02/2023 15:18

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 00:49

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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.22		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	0.11	J	0.20	0.055
79-01-6	Trichloroethene	131.39	0.035	U	0.035	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	1.3
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	methyl isobutyl ketone	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.85		0.20	0.042
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	0.031	J	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	0.19	J	0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.56		0.50	0.095
95-47-6	Xylene, o-	106.17	0.24		0.20	0.052
1330-20-7	Xylene (total)	106.17	0.80		0.70	0.052
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	0.050	J	0.20	0.047
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: BANK-1 Lab Sample ID: 200-67137-1
Matrix: Air Lab File ID: 200-54753-018.D
Analysis Method: TO-15 Date Collected: 03/02/2023 15:18
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 00:49
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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	0.50	U	0.50	0.32

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: BANK-1 Lab Sample ID: 200-67137-1
 Matrix: Air Lab File ID: 200-54753-018.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 15:18
 Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 00:49
 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.: 189477 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	7.5		2.5	0.54
75-45-6	Freon 22	86.47	5.0		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	2.8		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	J	1.1	0.28
76-13-1	Freon TF	187.38	0.43	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.10
67-64-1	Acetone	58.08	22		12	3.8
67-63-0	Isopropyl alcohol	60.10	8.3	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	1.1	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	0.87	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	72.11	2.6		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.28		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.22	J	0.93	0.18

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>BANK-1</u>	Lab Sample ID: <u>200-67137-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54753-018.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 15:18</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 00:49</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>189477</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.71		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	0.47	J	0.82	0.23
79-01-6	Trichloroethene	131.39	0.19	U	0.19	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	4.7
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	methyl isobutyl ketone	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	3.2		0.75	0.16
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	0.21	J	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	0.81	J	0.87	0.23
179601-23-1	m,p-Xylene	106.17	2.4		2.2	0.41
95-47-6	Xylene, o-	106.17	1.0		0.87	0.23
1330-20-7	Xylene (total)	106.17	3.5		3.0	0.23
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	0.25	J	0.98	0.23
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: BANK-1 Lab Sample ID: 200-67137-1
 Matrix: Air Lab File ID: 200-54753-018.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 15:18
 Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 00:49
 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.: 189477 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	3.7	U	3.7	2.4

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>BANK-1</u>	Lab Sample ID: <u>200-67137-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54753-018.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 15:18</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 00:49</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>189477</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>1</u>	TIC Result Total: <u>1.1</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	8.92	1.1	J N	90%

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D
 Lims ID: 200-67137-A-1
 Client ID: BANK-1
 Sample Type: Client
 Inject. Date: 20-Mar-2023 00:49:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-018
 Misc. Info.: 67137-1
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 08:36:47 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: BKZ7

Date: 20-Mar-2023 08:36:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	135209	1.52	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	97	73230	1.42	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50	3.463	3.458	0.006	99	15087	0.5270	
6 Vinyl chloride	62		3.655				ND	
7 Butane	43	3.666	3.666	0.005	98	42431	1.19	
8 Butadiene	54		3.730				ND	MU
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.420				ND	
12 Vinyl bromide	106		4.741				ND	
13 Trichlorofluoromethane	101	4.881	4.870	0.011	98	12899	0.1920	
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.799	0.006	51	3466	0.0556	
19 Acetone	43	5.838	5.827	0.011	99	361118	9.47	
22 Isopropyl alcohol	45	6.148	6.084	0.064	100	156612	3.37	
23 Carbon disulfide	76		6.143				ND	MU
25 3-Chloro-1-propene	41		6.394				ND	MU
26 Methylene Chloride	49	6.614	6.609	0.006	97	11846	0.3209	
27 2-Methyl-2-propanol	59	6.935	6.812	0.123	96	13014	0.2472	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.111				ND	7
31 Hexane	57	7.604	7.604	0.000	87	9856	0.2455	
32 1,1-Dichloroethane	63		7.844				ND	
34 2-Butanone (MEK)	72	8.845	8.813	0.032	100	11131	0.8791	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.246	9.241	0.005	95	287545	10.0	
38 Tetrahydrofuran	42	9.380	9.320	0.065	88	5964	0.2033	
39 Chloroform	83		9.422				ND	MU
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.754				ND	
41 Cyclohexane	84	9.904	9.904	0.000	90	1398	0.0345	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117	10.038	10.053	-0.010	93	3260	0.0450	
44 Benzene	78	10.412	10.428	-0.005	98	23453	0.2237	
45 1,2-Dichloroethane	62		10.492				ND	
46 Isooctane	57	10.664	10.664	-0.010	68	8353	0.0471	M
47 n-Heptane	43	11.027	11.017	0.010	83	8207	0.1136	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	95	1467896	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	MU
55 1,4-Dioxane	88	12.477	12.392	0.091	89	4374	0.1957	
56 Dichlorobromomethane	83		12.739				ND	
58 cis-1,3-Dichloropropene	75		13.633				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.333	14.334	0.000	93	57028	0.8459	
65 trans-1,3-Dichloropropene	75		14.783				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166	15.403	15.403	0.000	85	1834	0.0313	M
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.217				ND	
* 71 Chlorobenzene-d5	117	17.196	17.196	0.000	89	1239968	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.474	17.474	0.000	100	27415	0.1873	
74 m-Xylene & p-Xylene	106	17.736	17.747	-0.021	0	27806	0.5558	
76 o-Xylene	106	18.560	18.565	-0.005	98	12377	0.2378	
77 Styrene	104		18.597				ND	MU
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105	19.330	19.330	0.000	89	2911	0.0210	
S 82 Xylenes, Total	106				0		0.7936	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91	20.100	20.101	0.000	97	5127	0.0301	
84 2-Chlorotoluene	91		20.245				ND	MU
85 4-Ethyltoluene	105	20.314	20.309	0.005	97	5698	0.0435	
86 1,3,5-Trimethylbenzene	105	20.411	20.411	0.000	90	5456	0.0499	
89 tert-Butylbenzene	119		20.919				ND	7
90 1,2,4-Trimethylbenzene	105		21.010				ND	MU
91 sec-Butylbenzene	105		21.256				ND	
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119		21.486				ND	MU
94 1,4-Dichlorobenzene	146		21.572				ND	7
95 Benzyl chloride	91		21.727				ND	7
97 n-Butylbenzene	91		22.053				ND	7
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.525				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128		24.995				ND	7
103 1,2,3-Trichlorobenzene	180		25.407				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington
Tentatively Identified Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D
 Lims ID: 200-67137-A-1
 Client ID: BANK-1
 Sample Type: Client
 Inject. Date: 20-Mar-2023 00:49:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-018
 Misc. Info.: 67137-1
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 08:36:47 Calib Date: 10-Mar-2023 19:06:30
 Tic RT Window: 0.000 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\chromfs\Burlington\Database\NIST20.L
 Min. Match: 1
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1605
 First Level Reviewer: BKZ7 Date: 20-Mar-2023 08:36:47

Tentative Identified Compound Results

RT	Area	Amount ppb v/v	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
141-78-6	Ethyl Acetate							
8.920	244032	1.11	37	90	2284	C4H8O2	88	

Quantitation Compounds

Compound	RT	Area	Amount ppb v/v
* 37 Chlorobromomethane	9.241	2192764	10.0

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Worklist Smp#: 18

Client ID: BANK-1

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

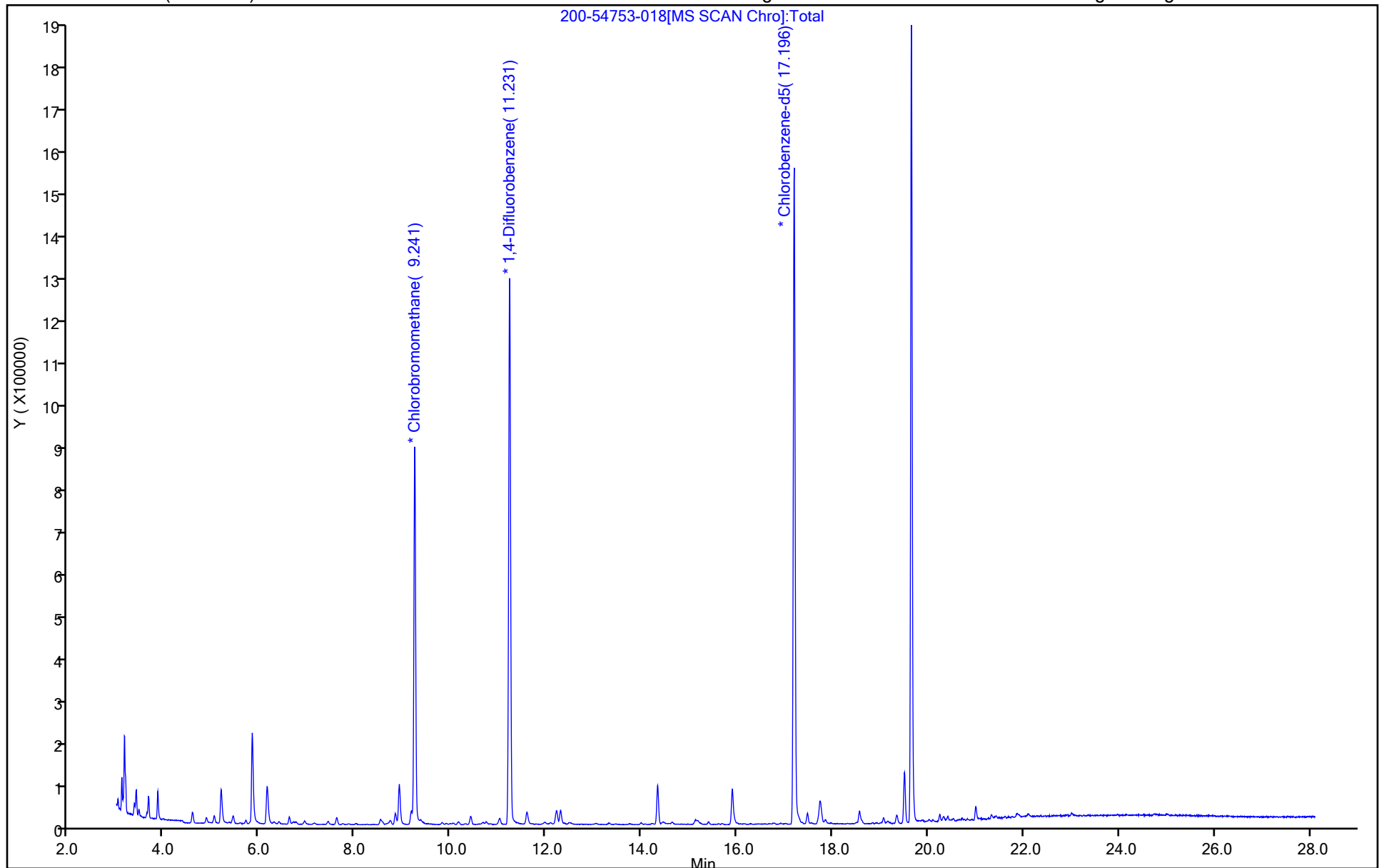
ALS Bottle#: 17

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

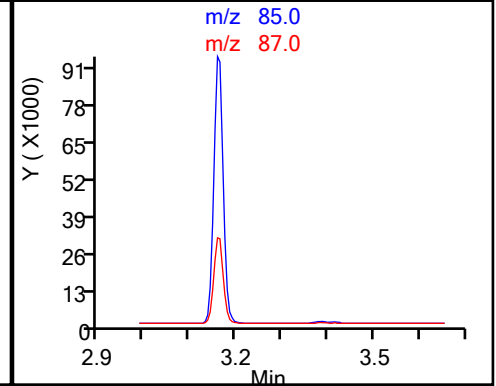
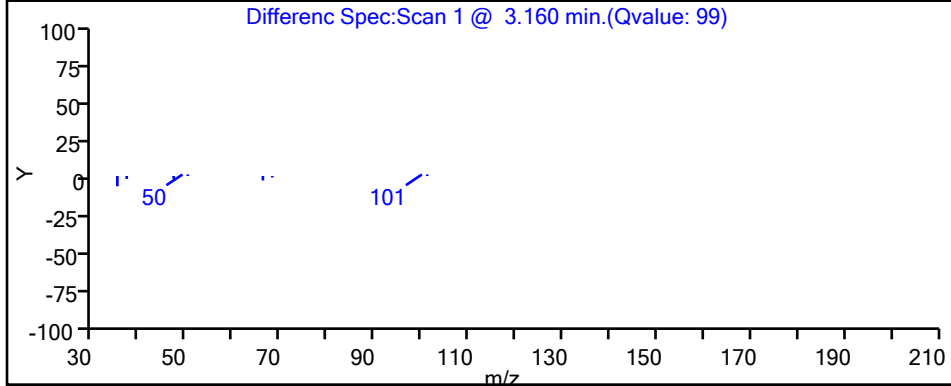
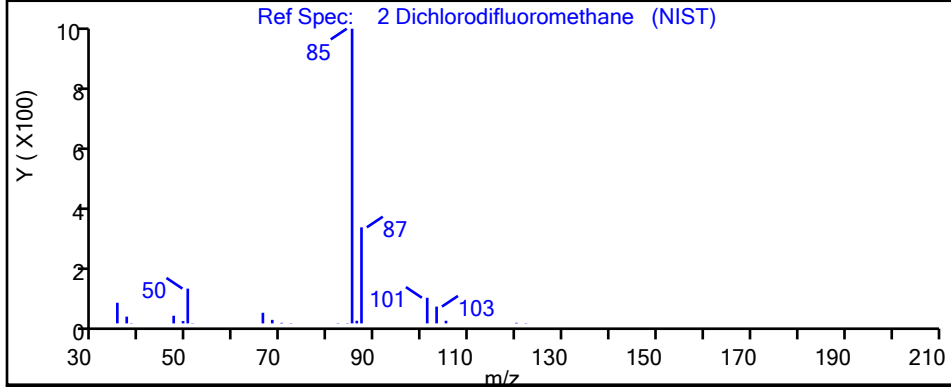
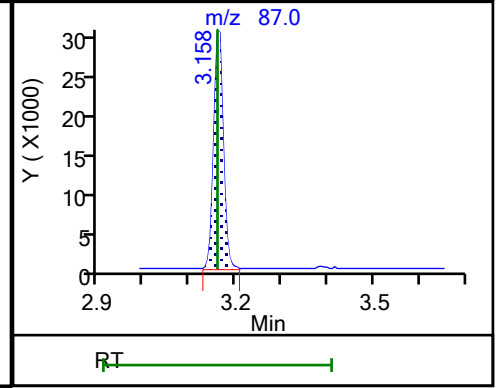
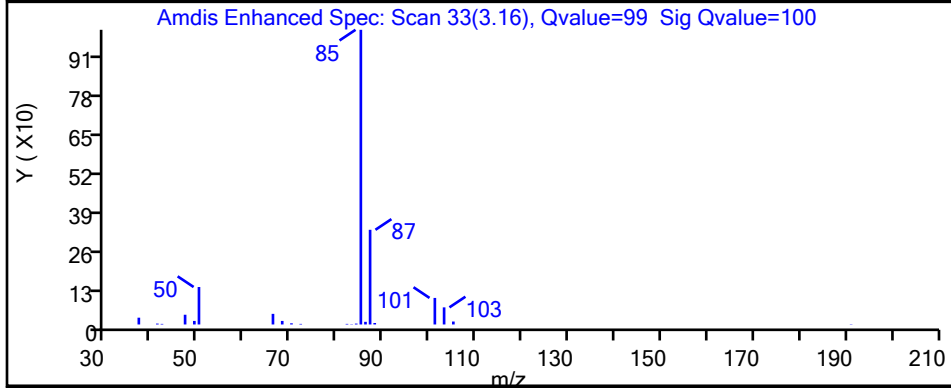
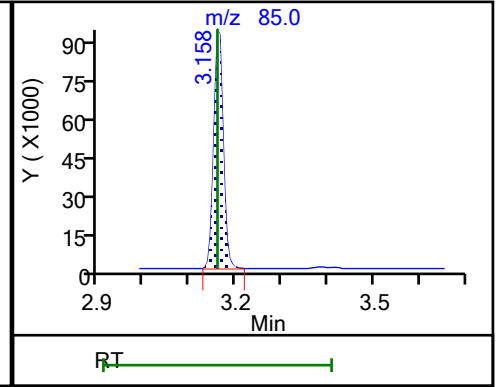
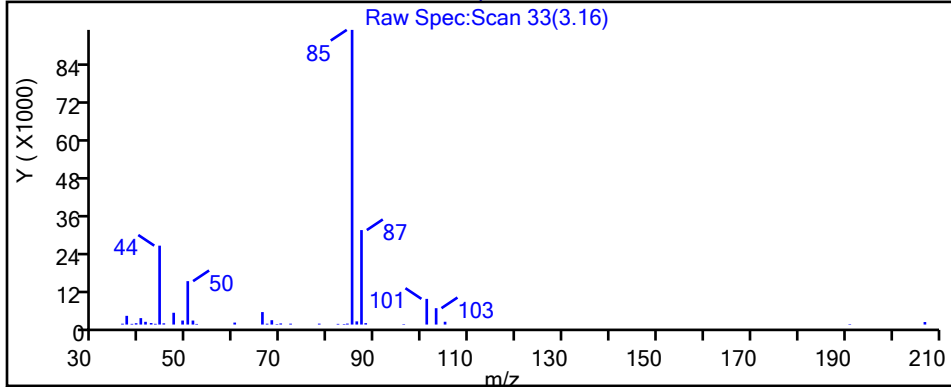
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

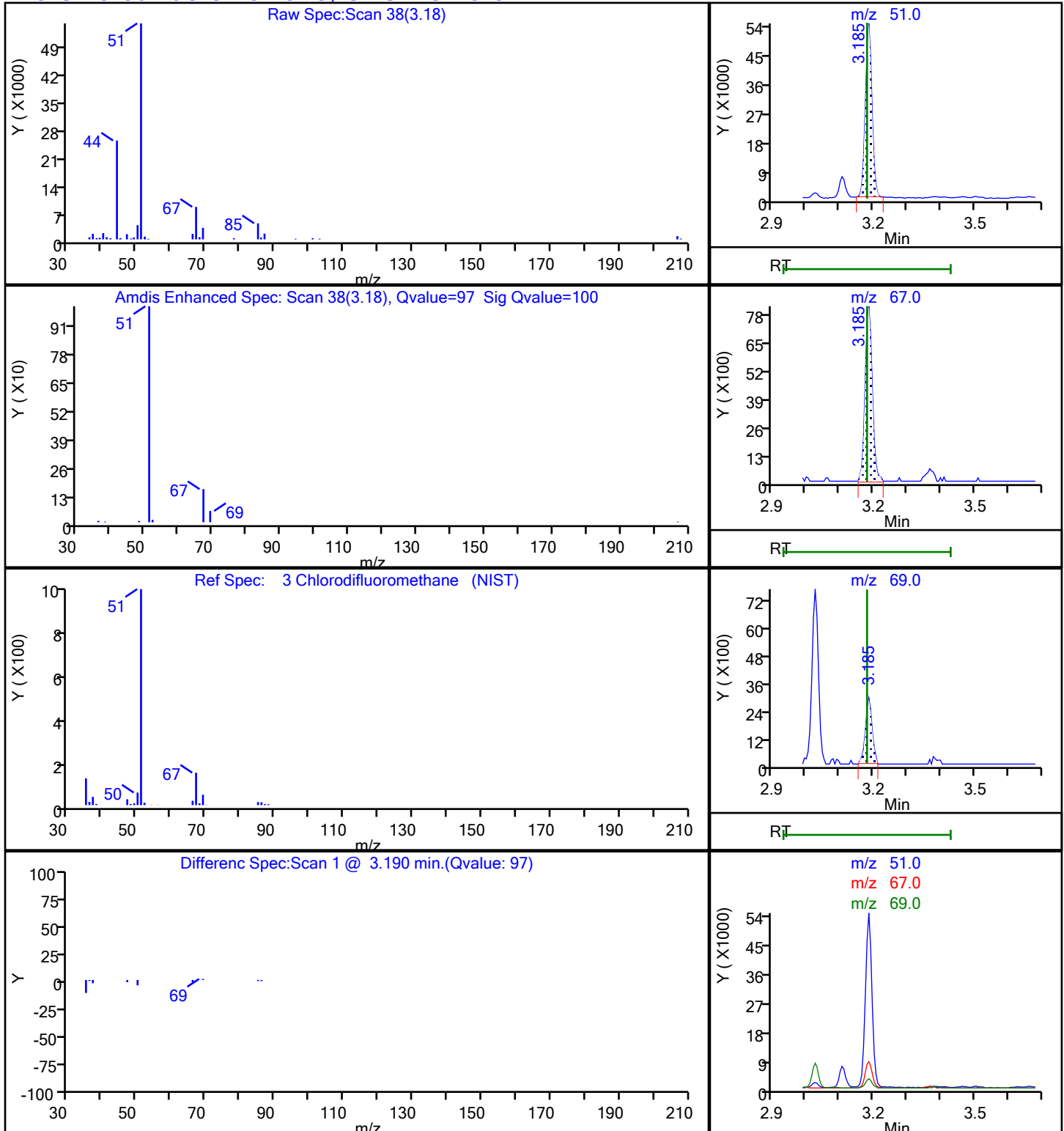
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

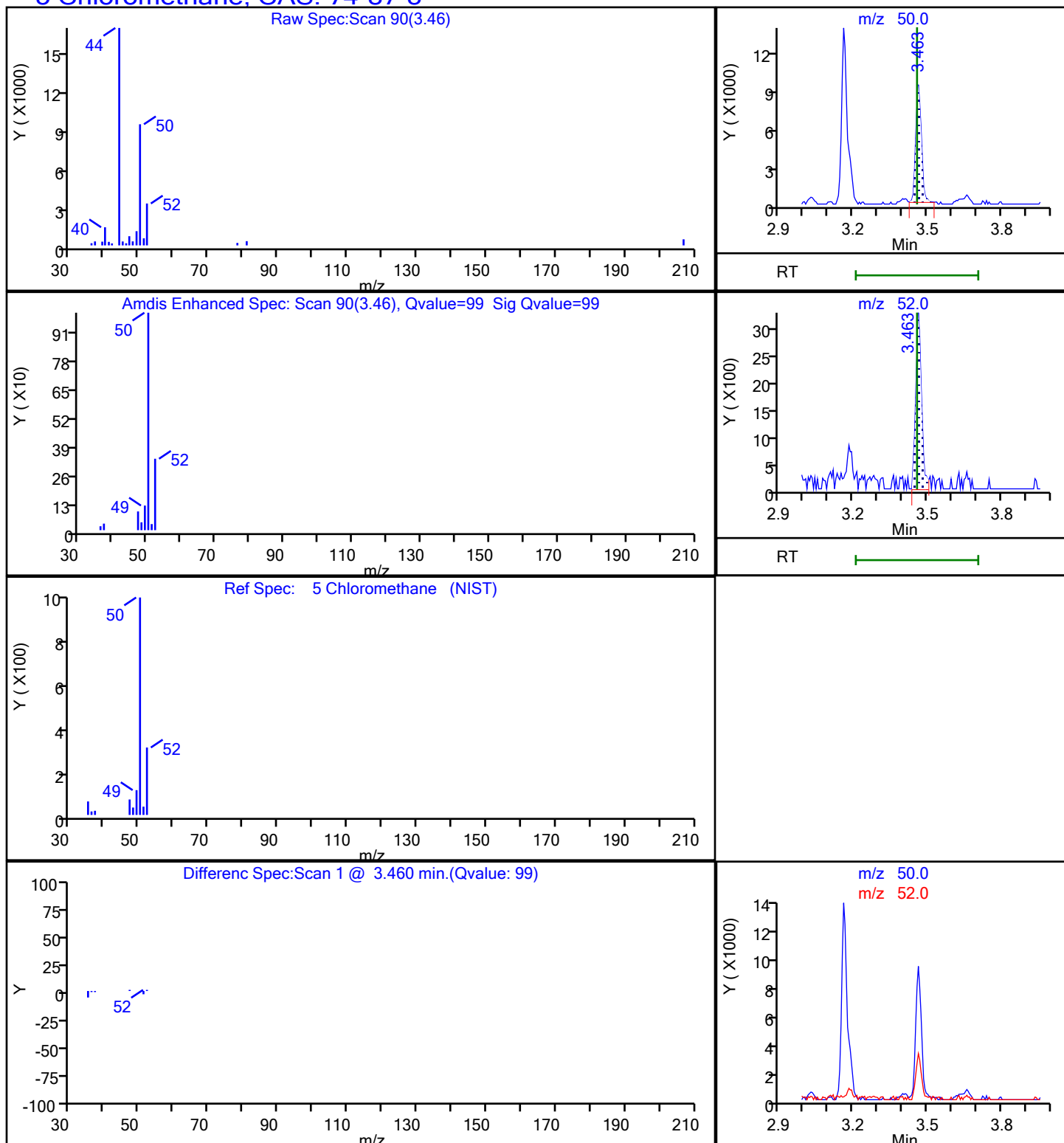
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

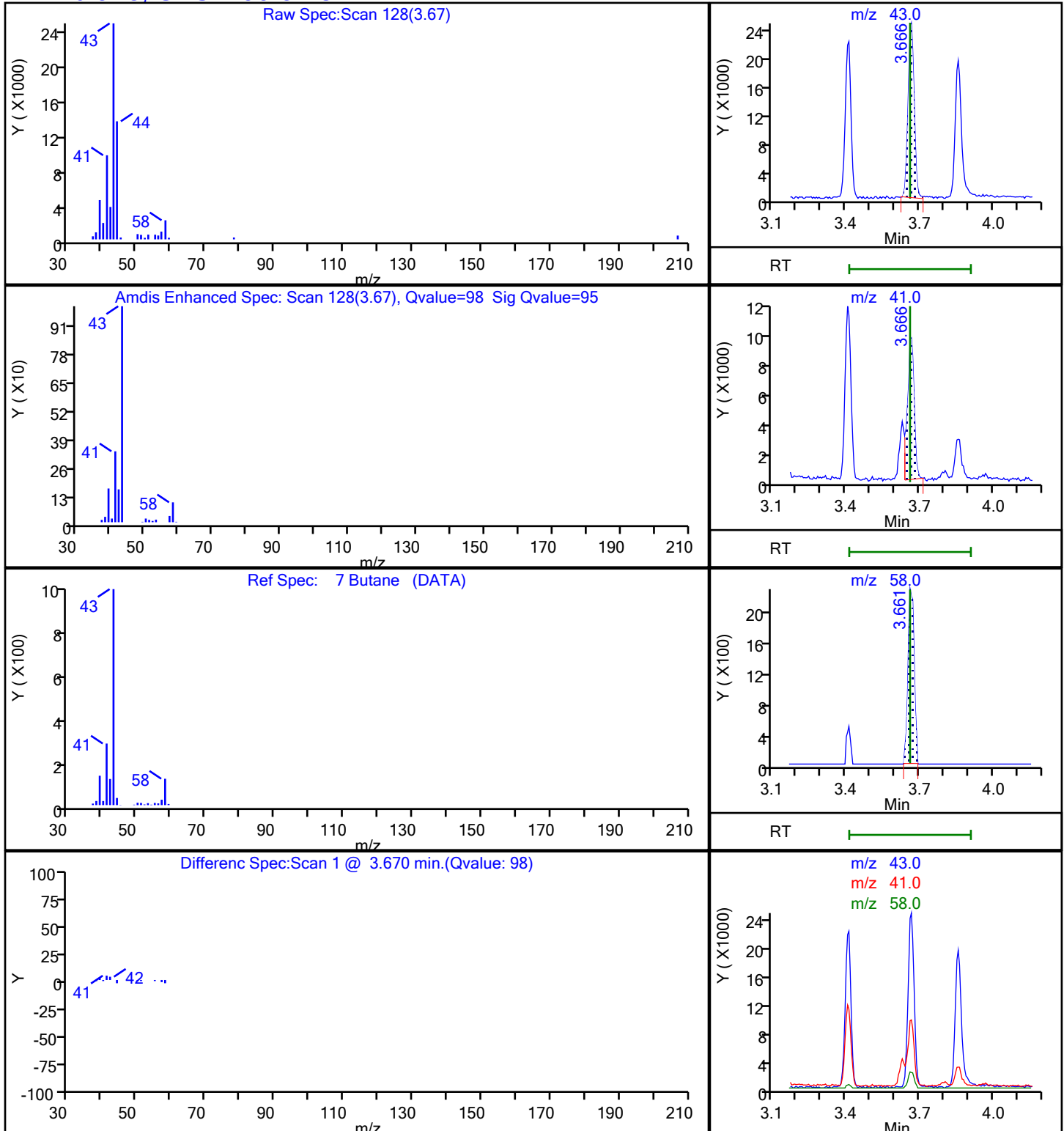
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

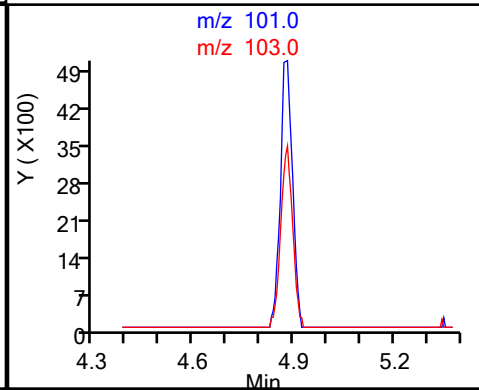
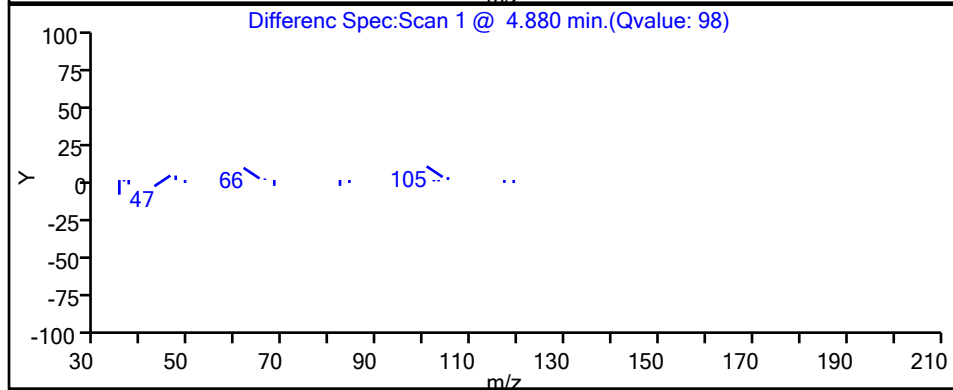
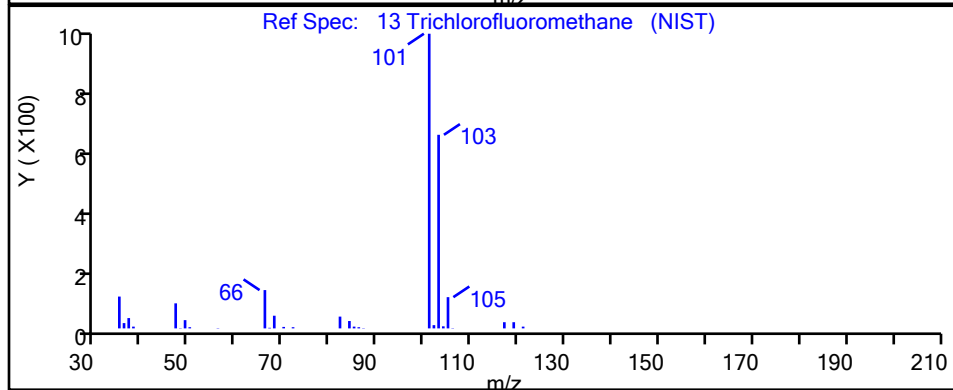
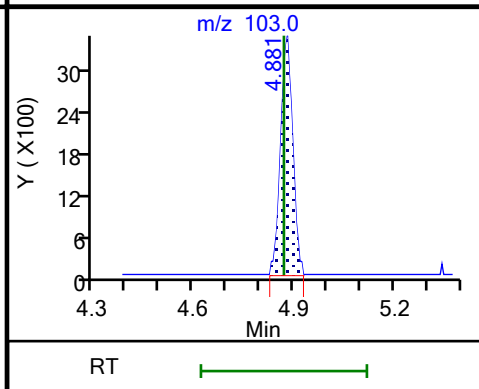
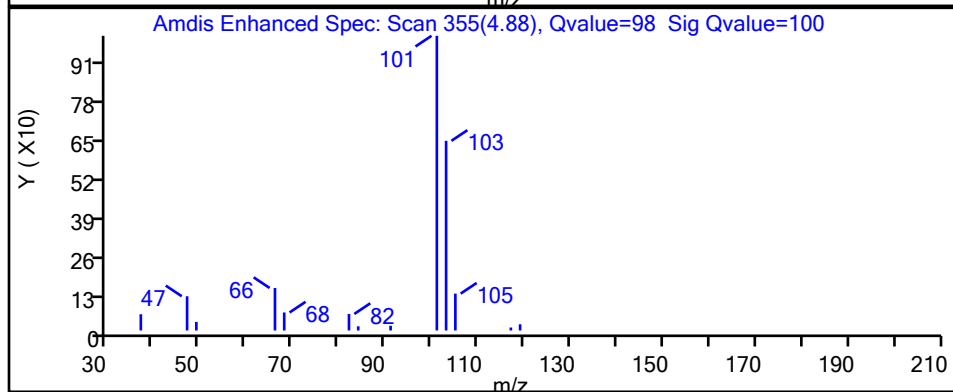
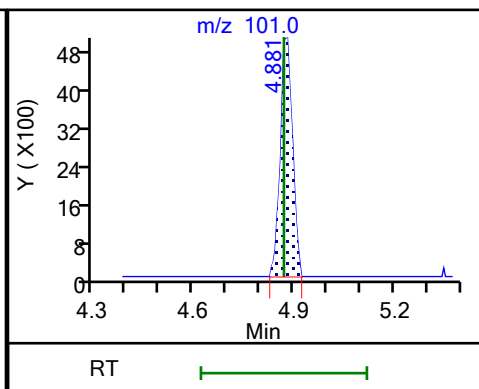
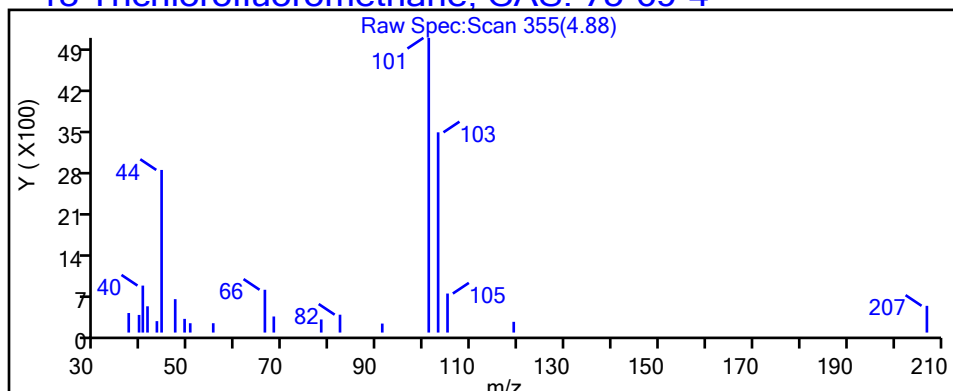
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

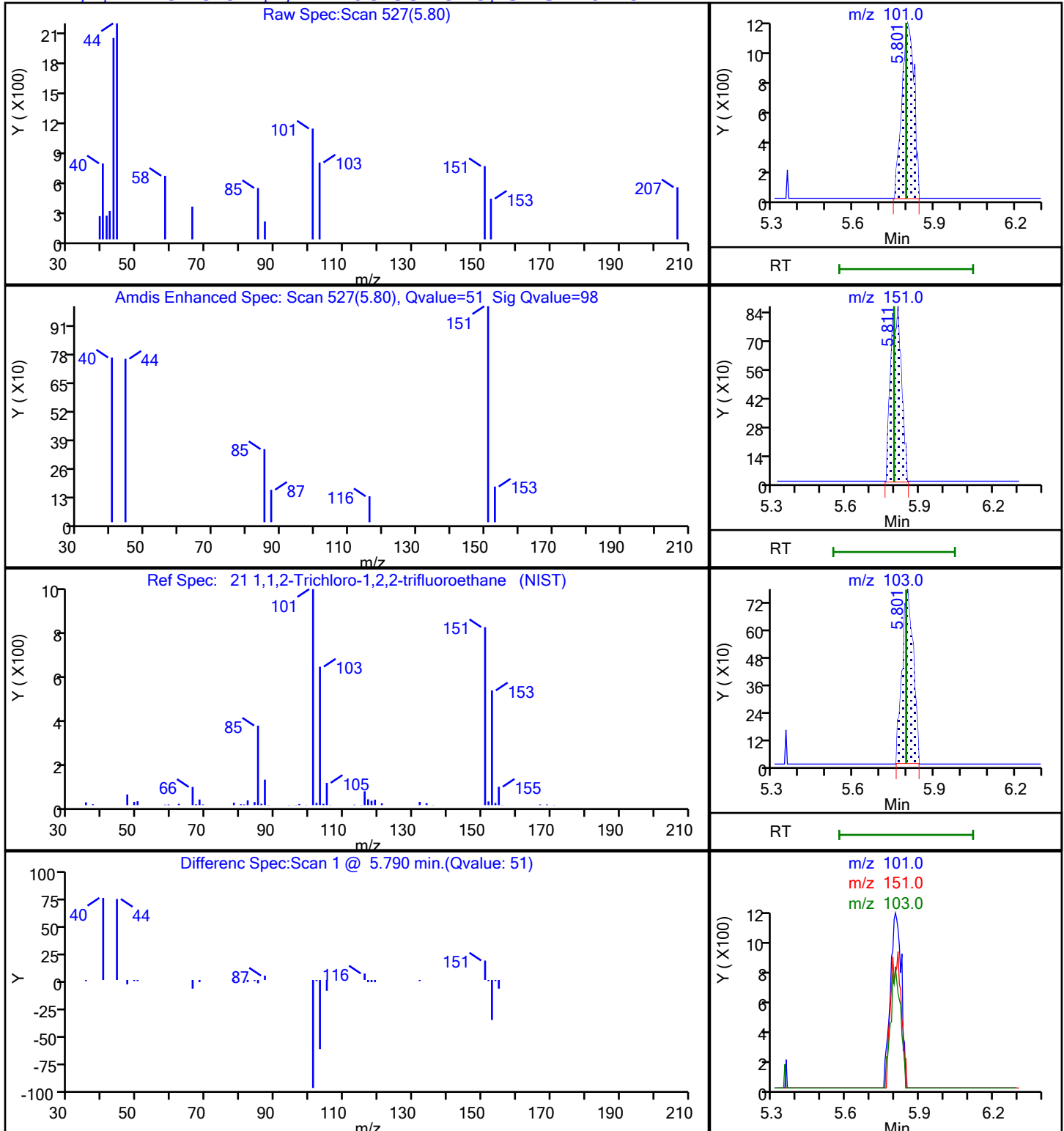
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

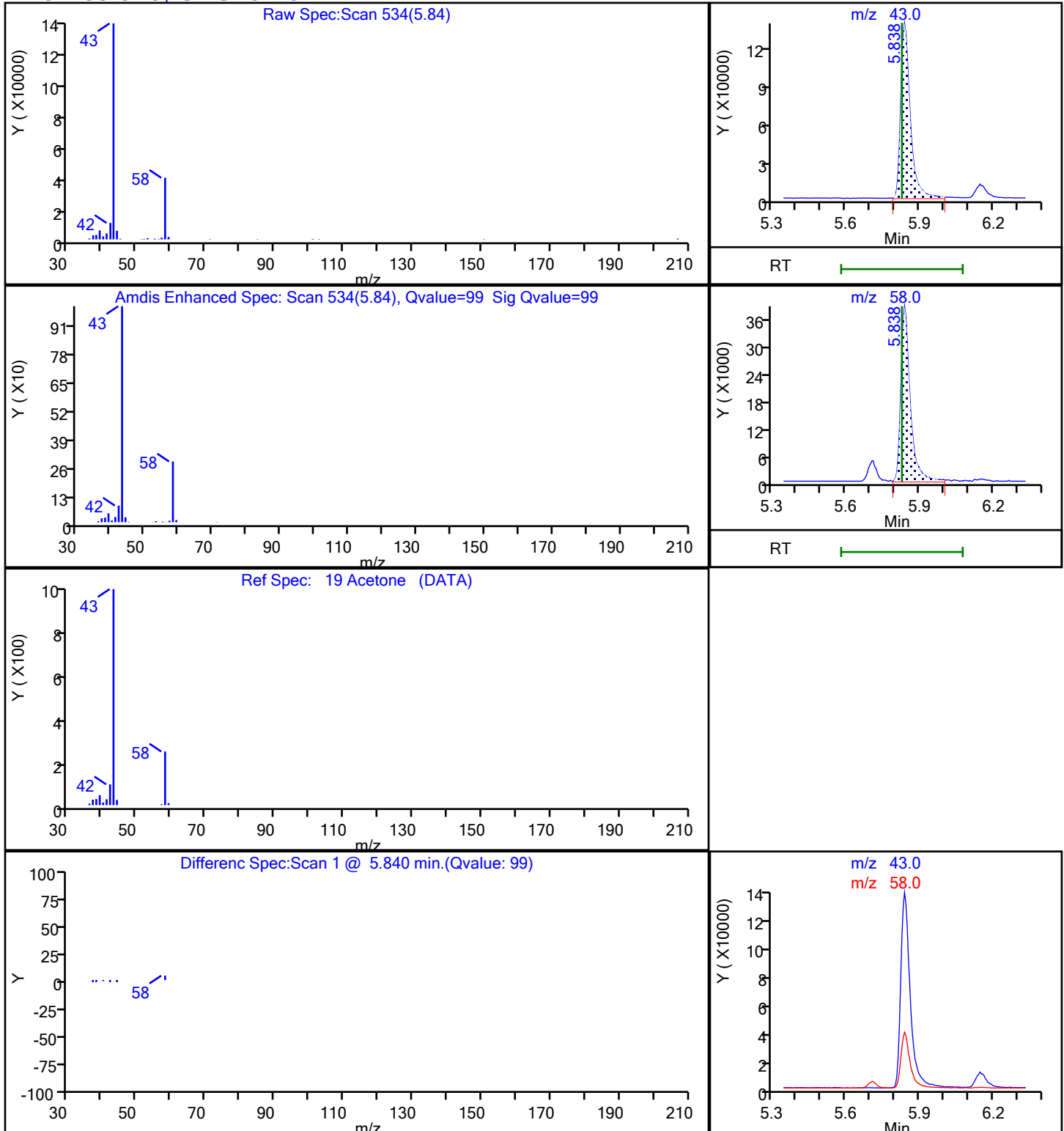
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

19 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

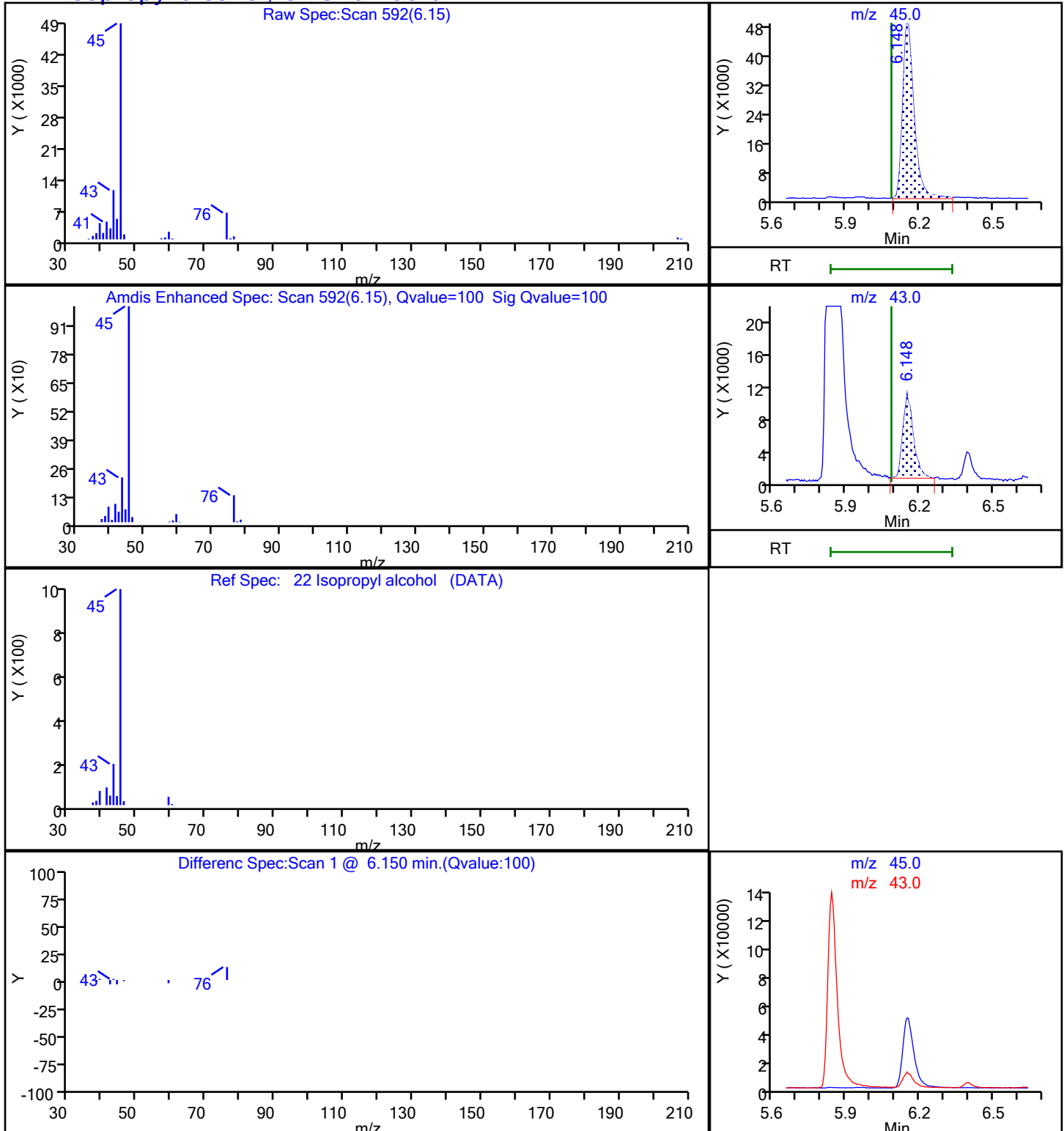
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Isopropyl alcohol, CAS: 67-63-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

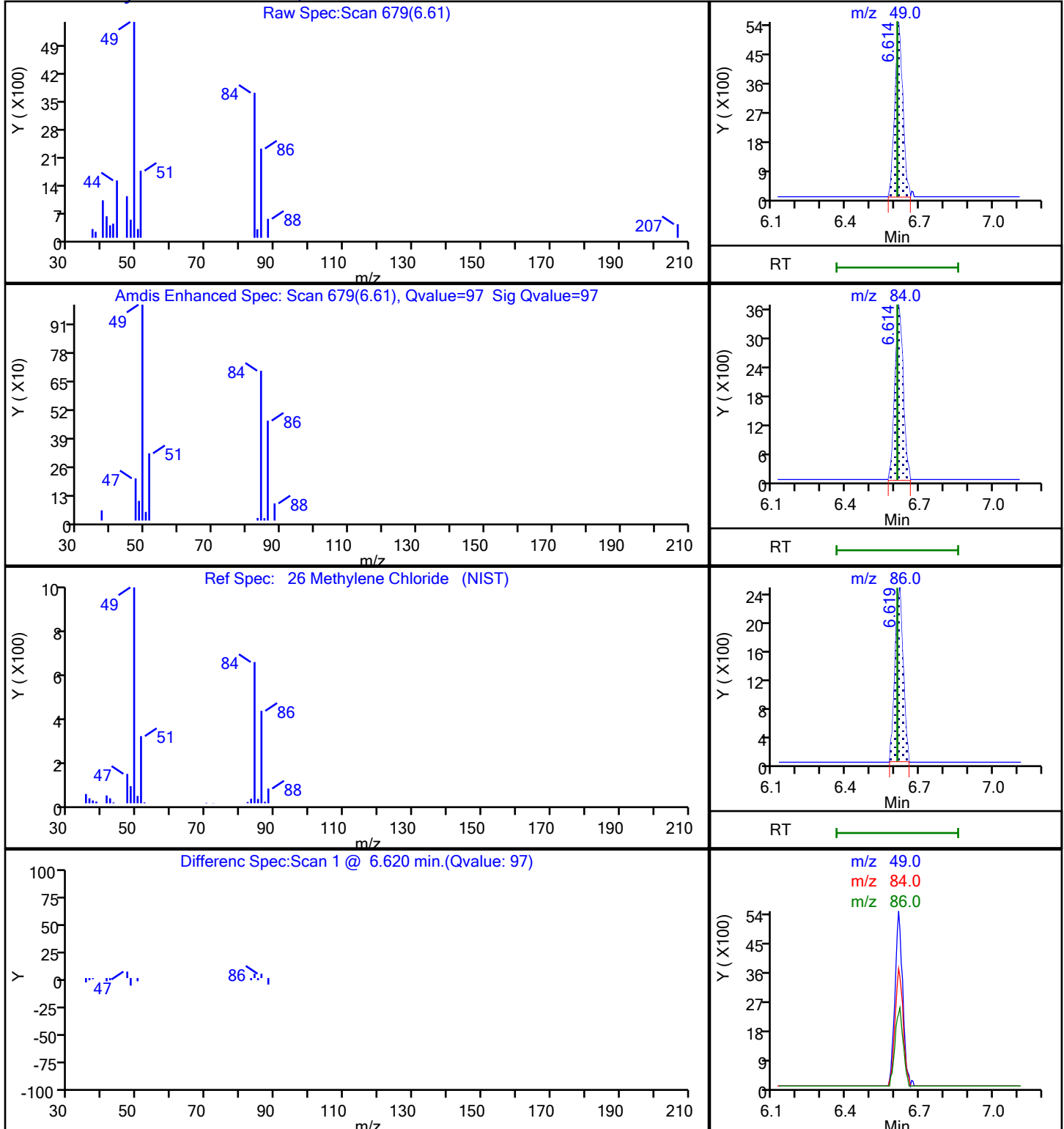
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

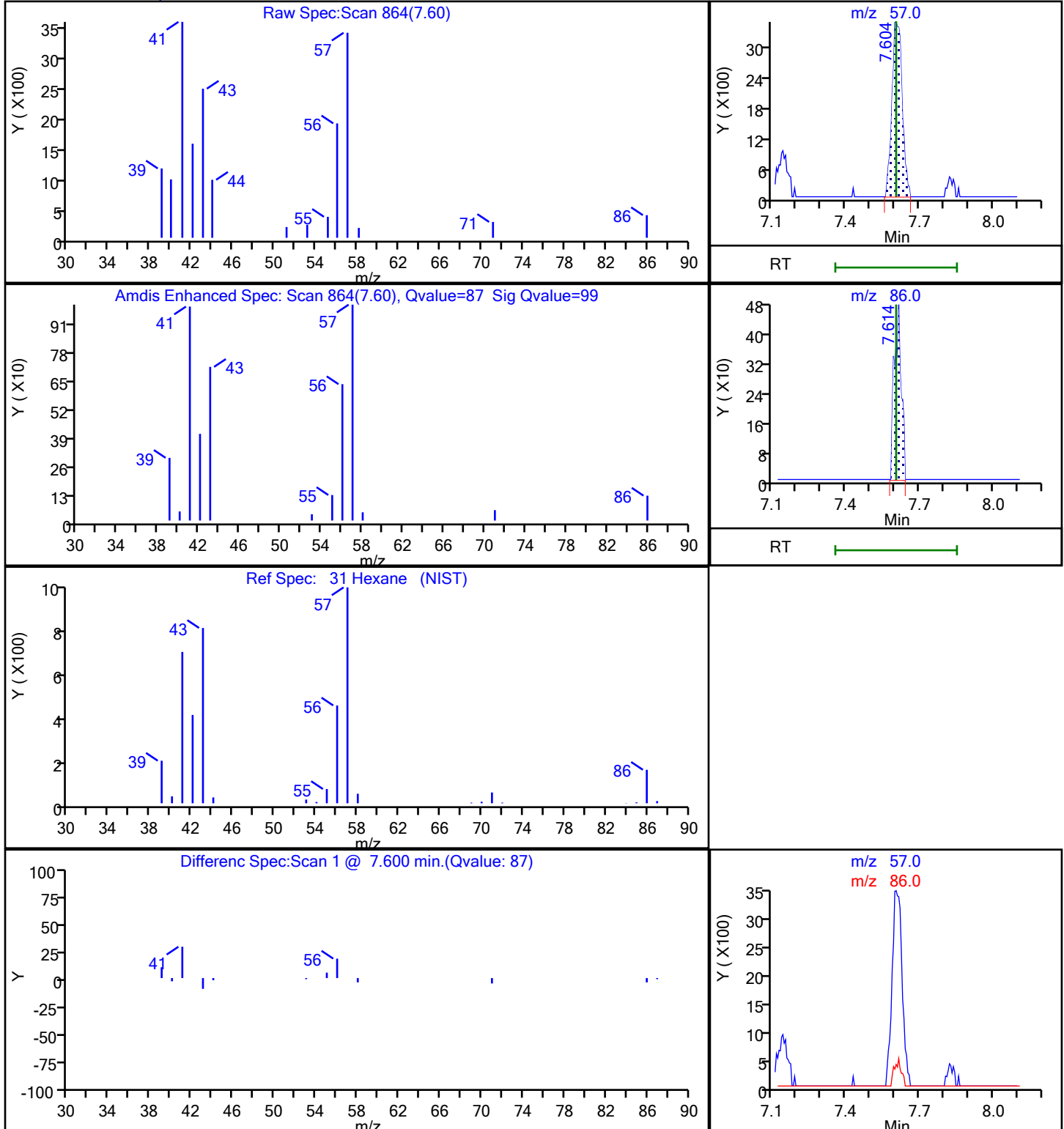
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

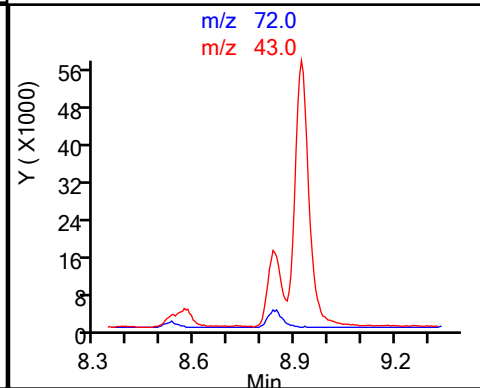
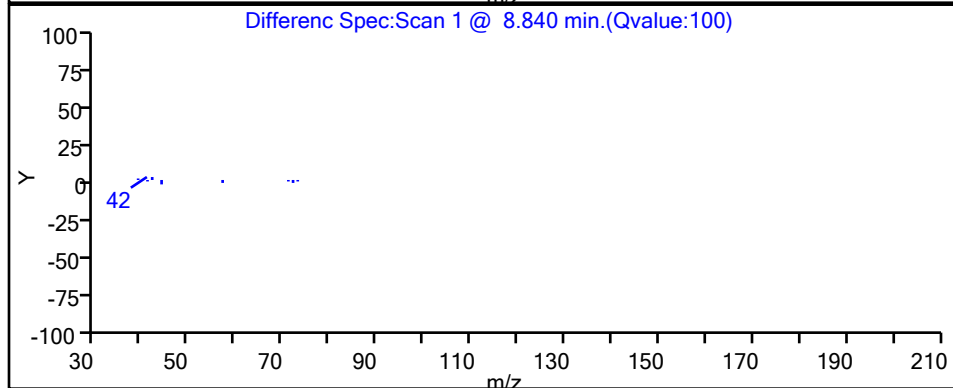
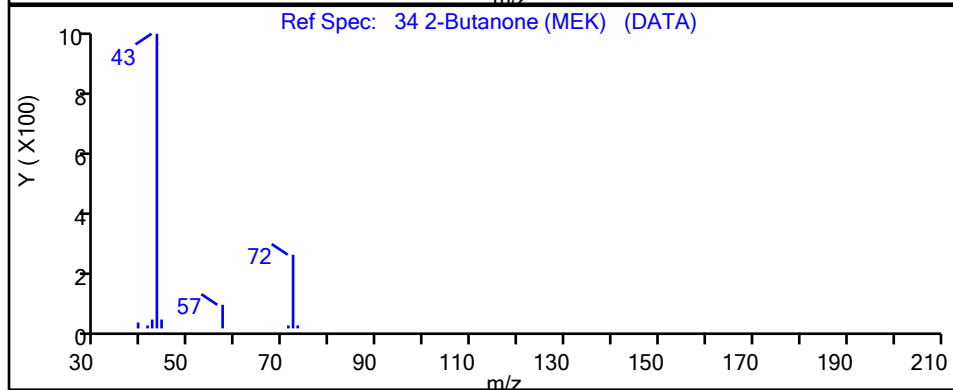
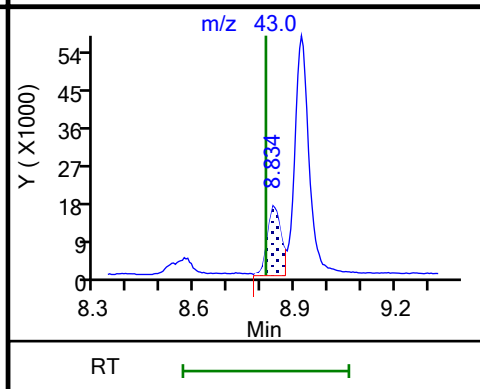
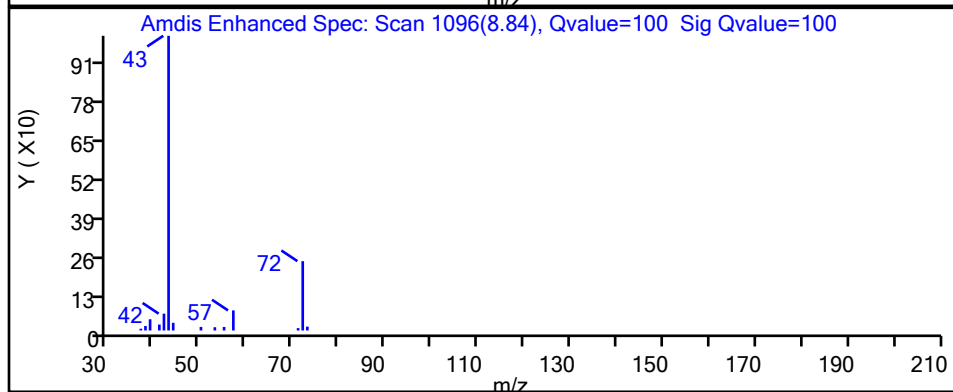
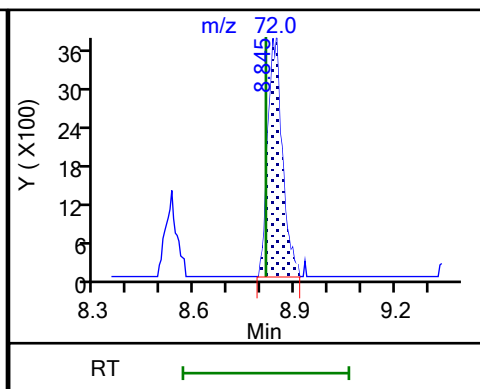
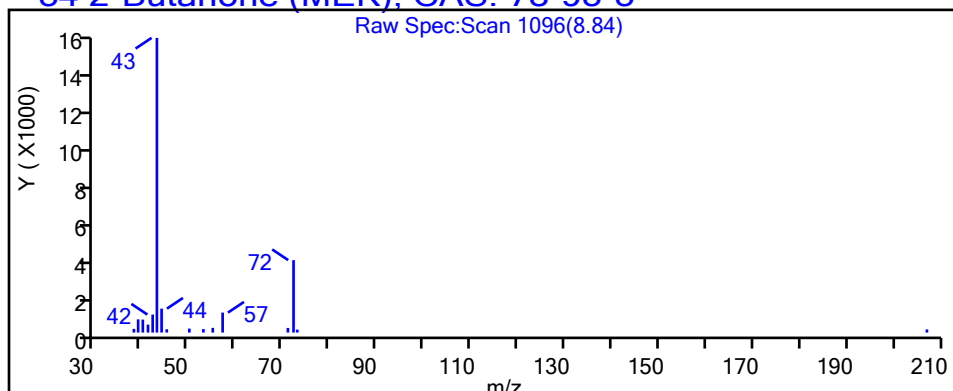
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

34 2-Butanone (MEK). CAS: 78-93-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

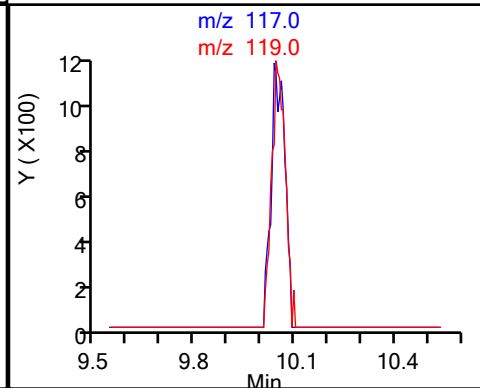
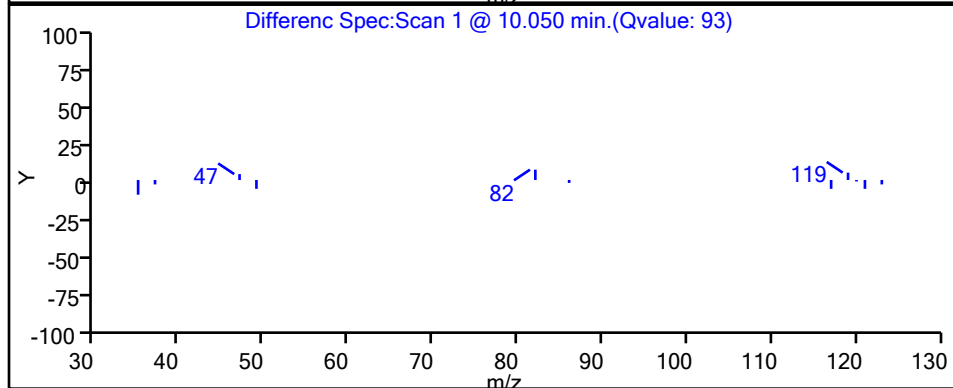
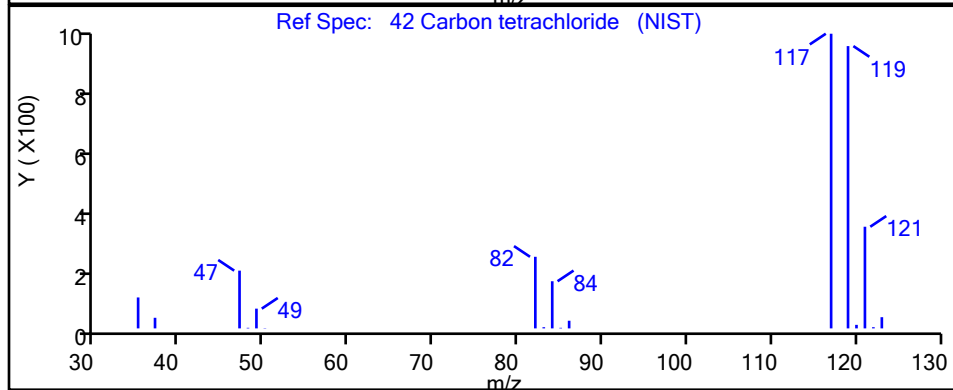
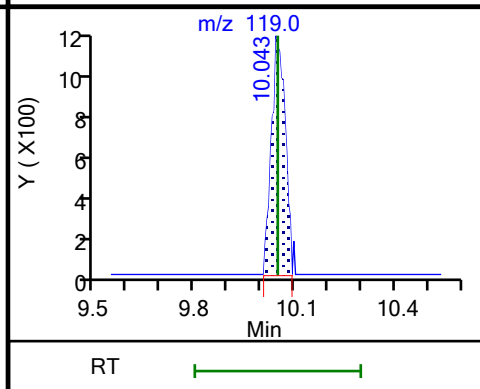
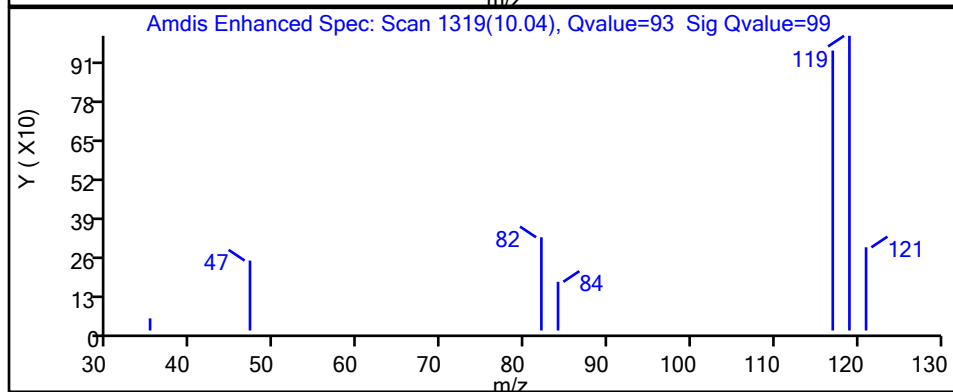
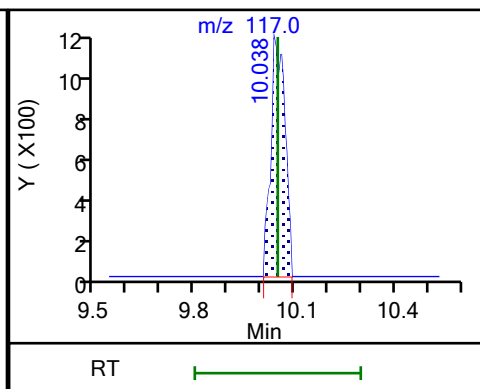
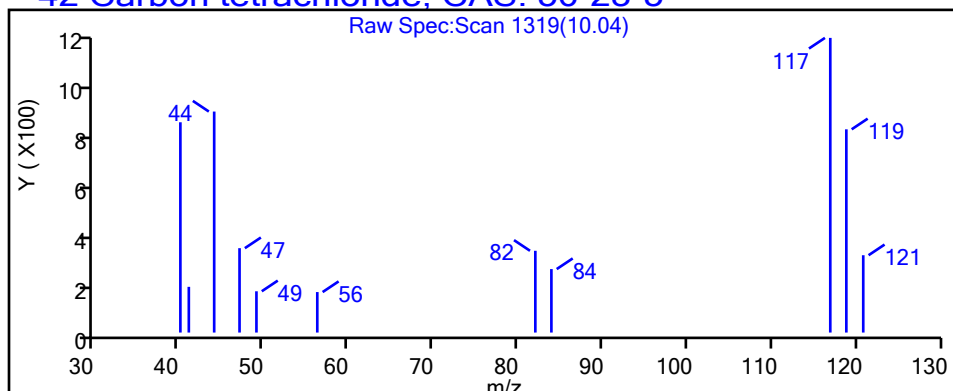
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

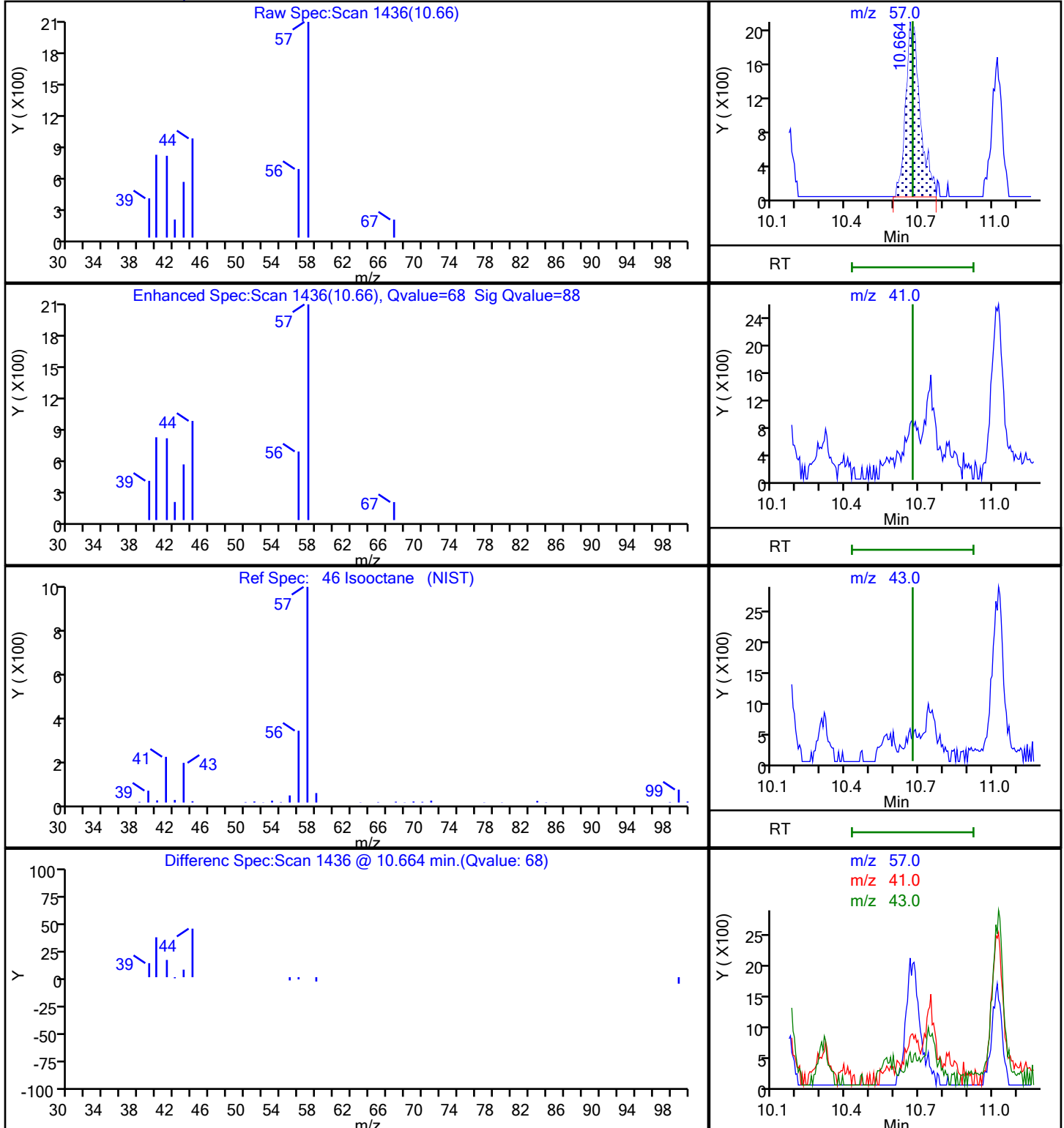
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Isooctane, CAS: 540-84-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

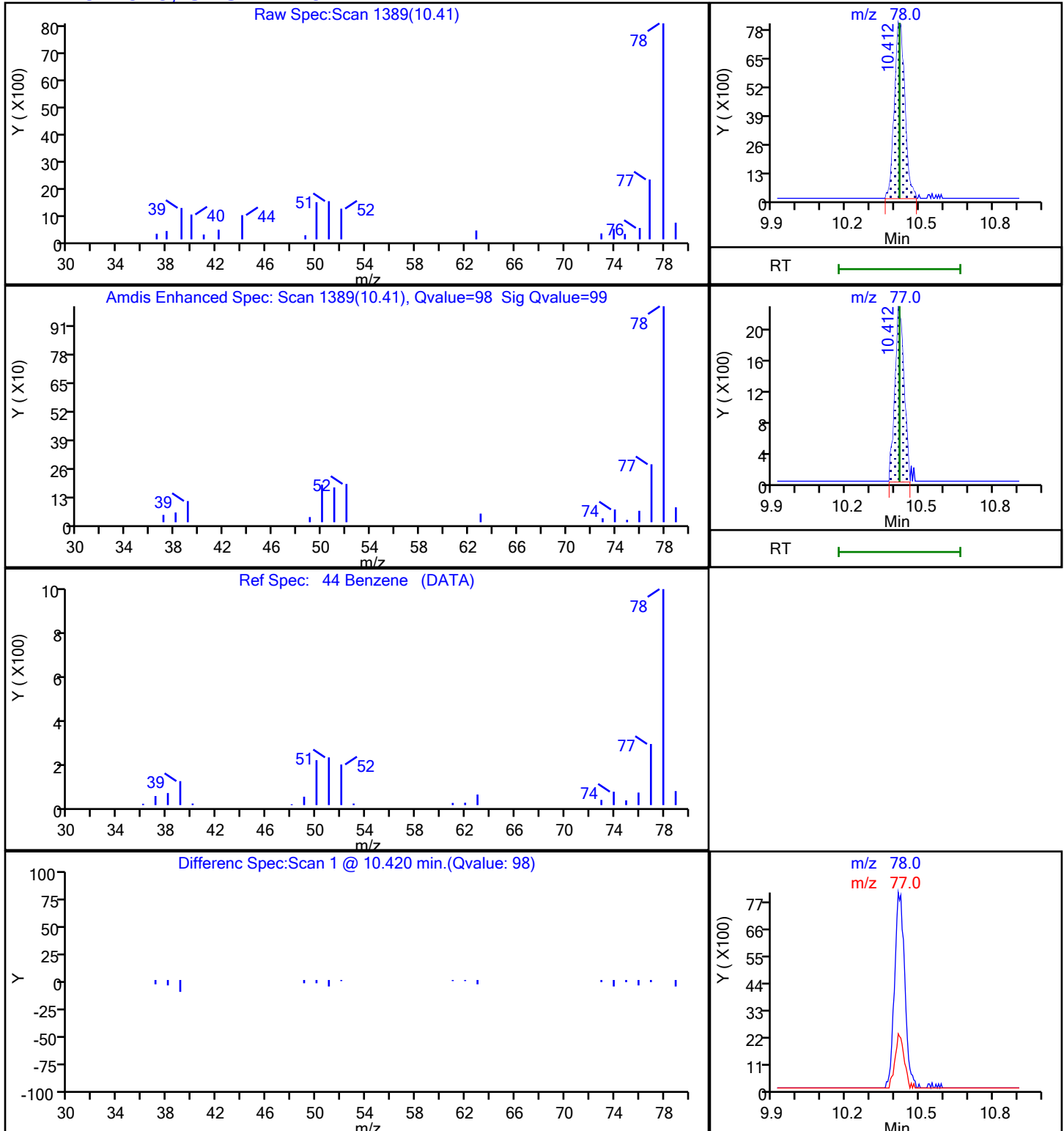
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

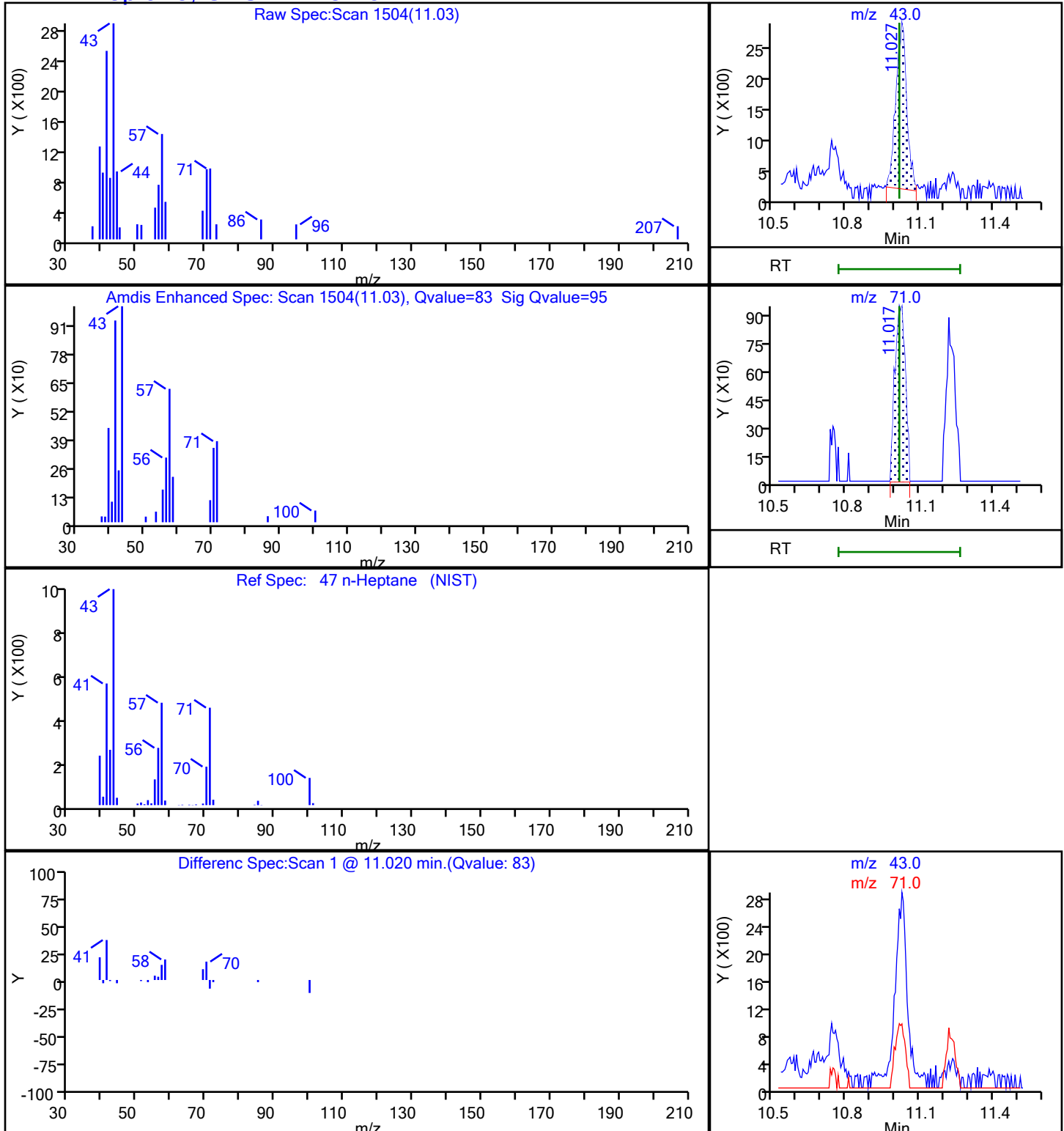
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 n-Heptane, CAS: 142-82-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

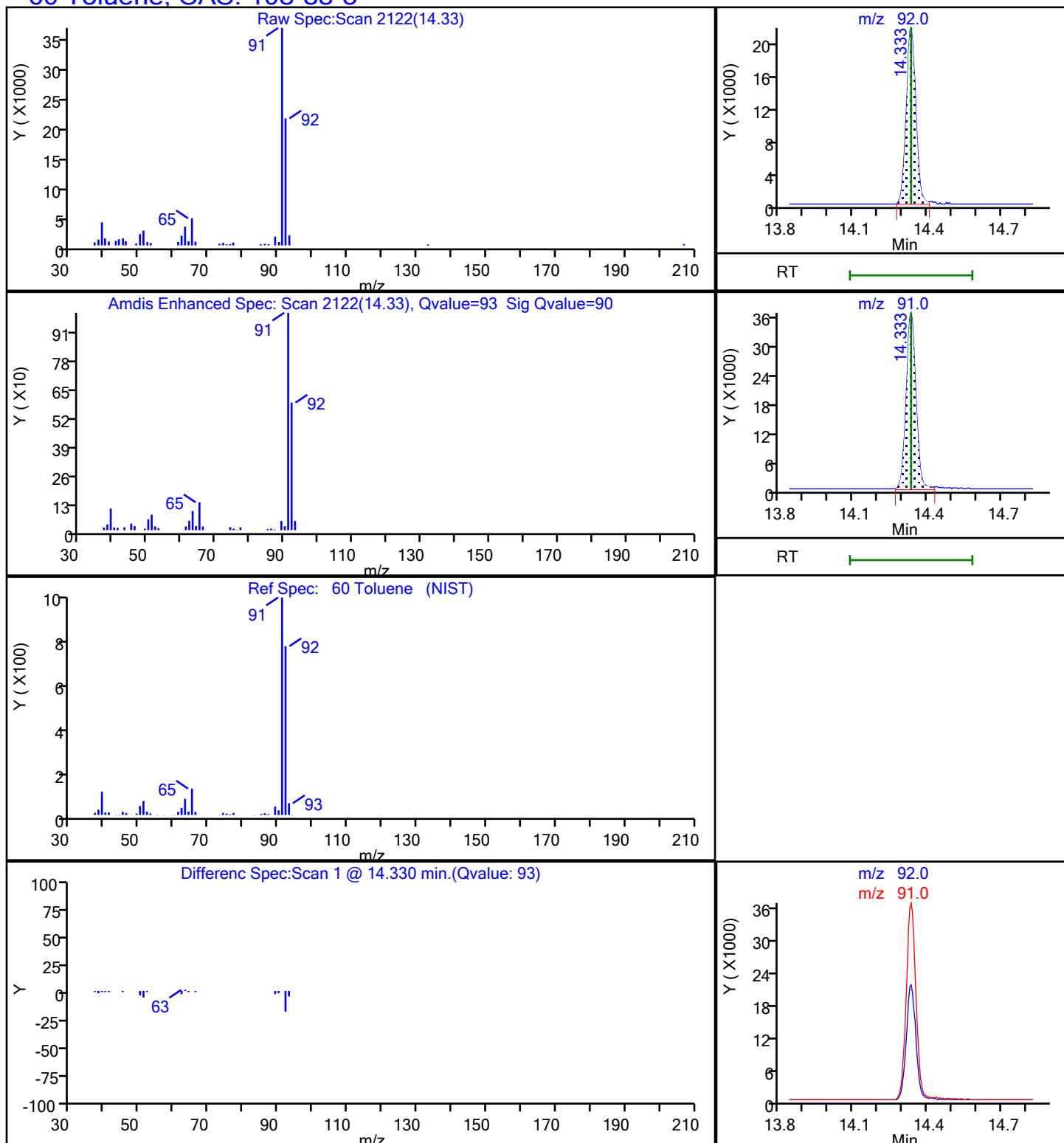
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

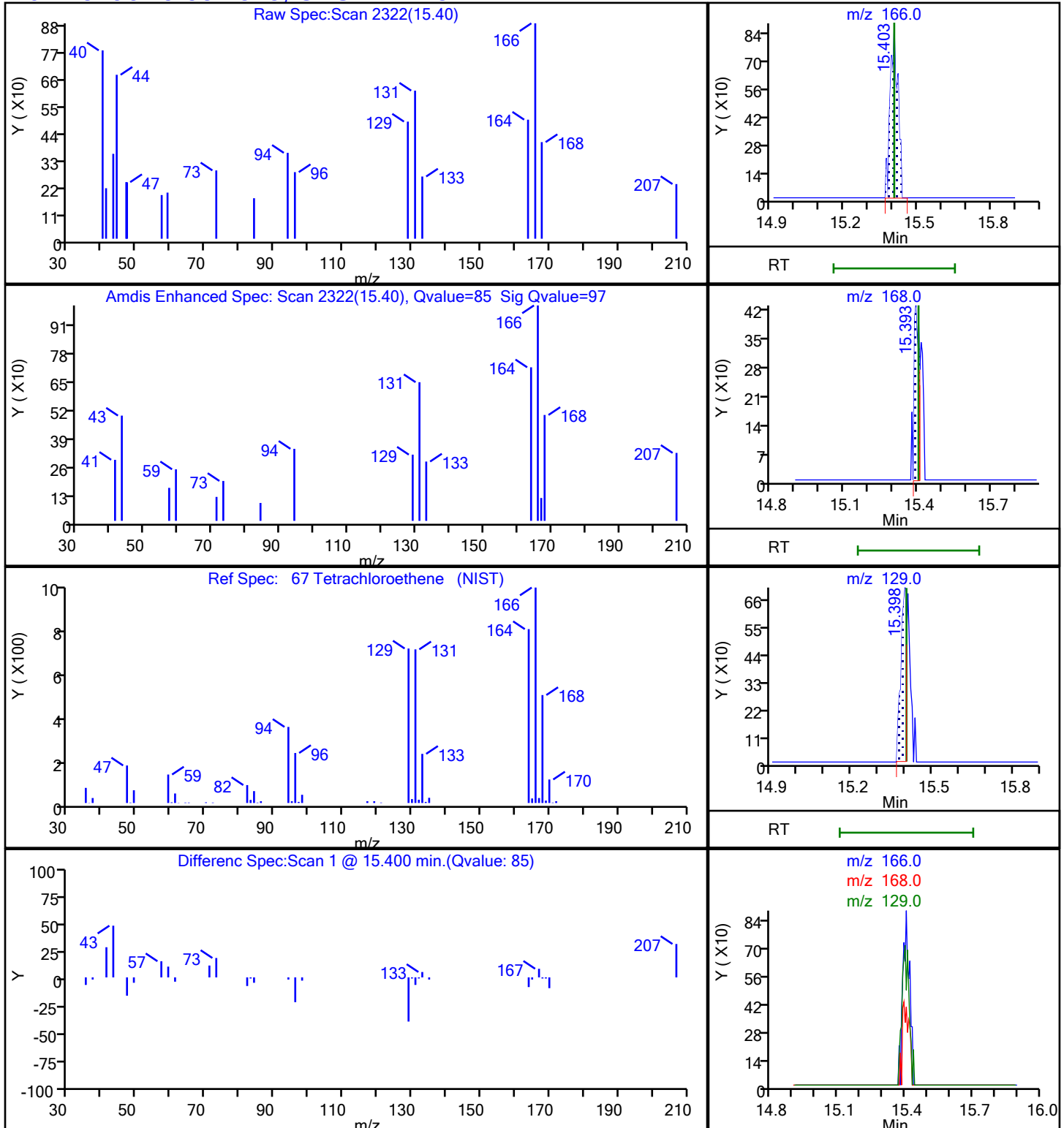
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

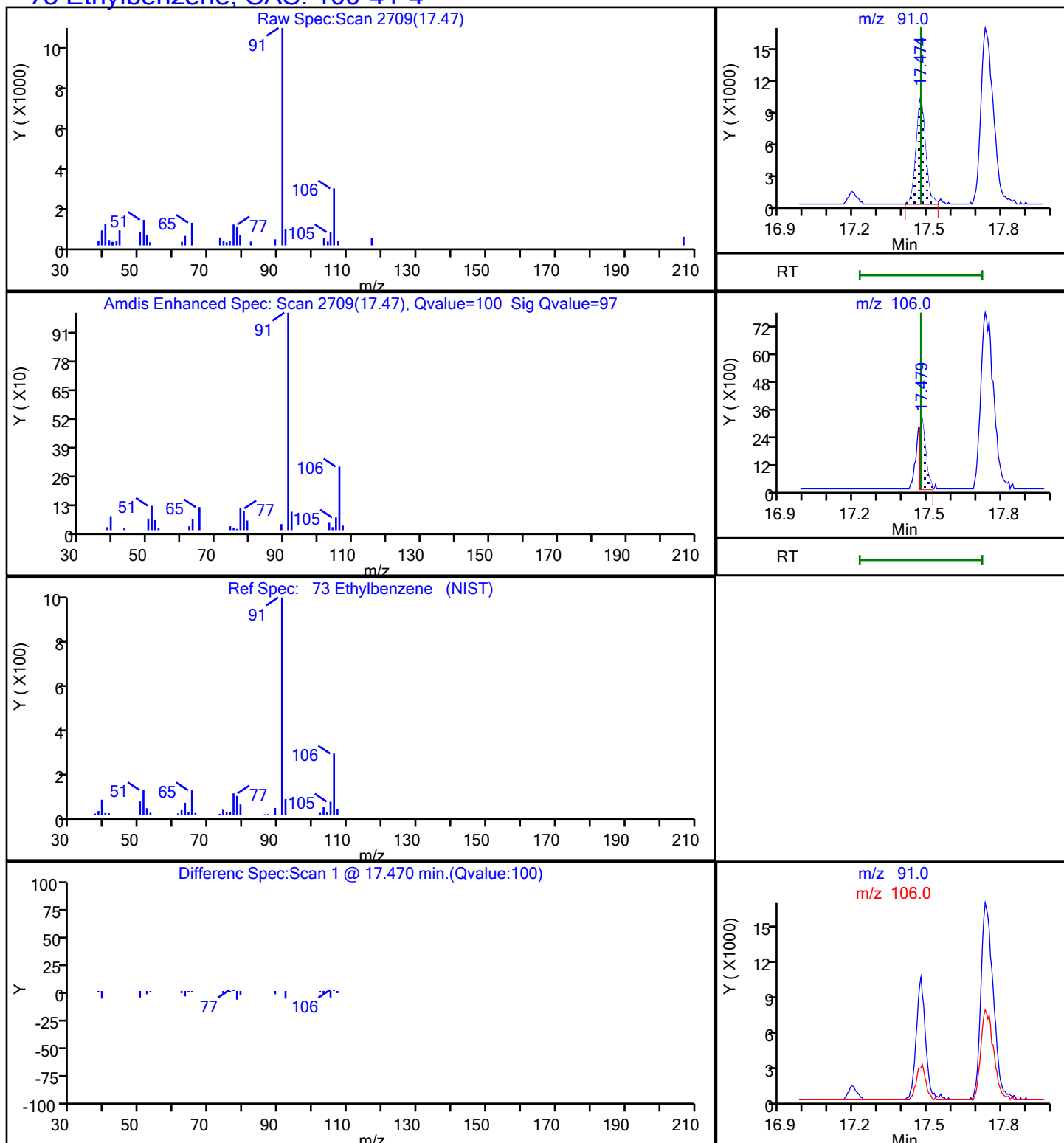
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

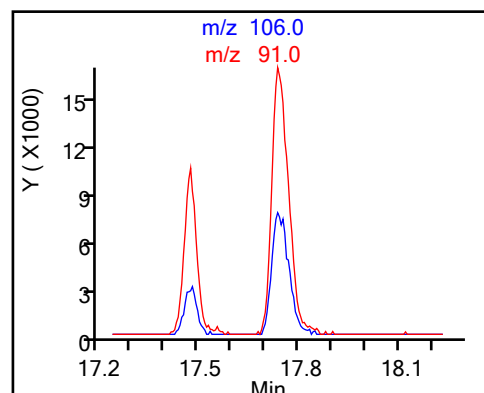
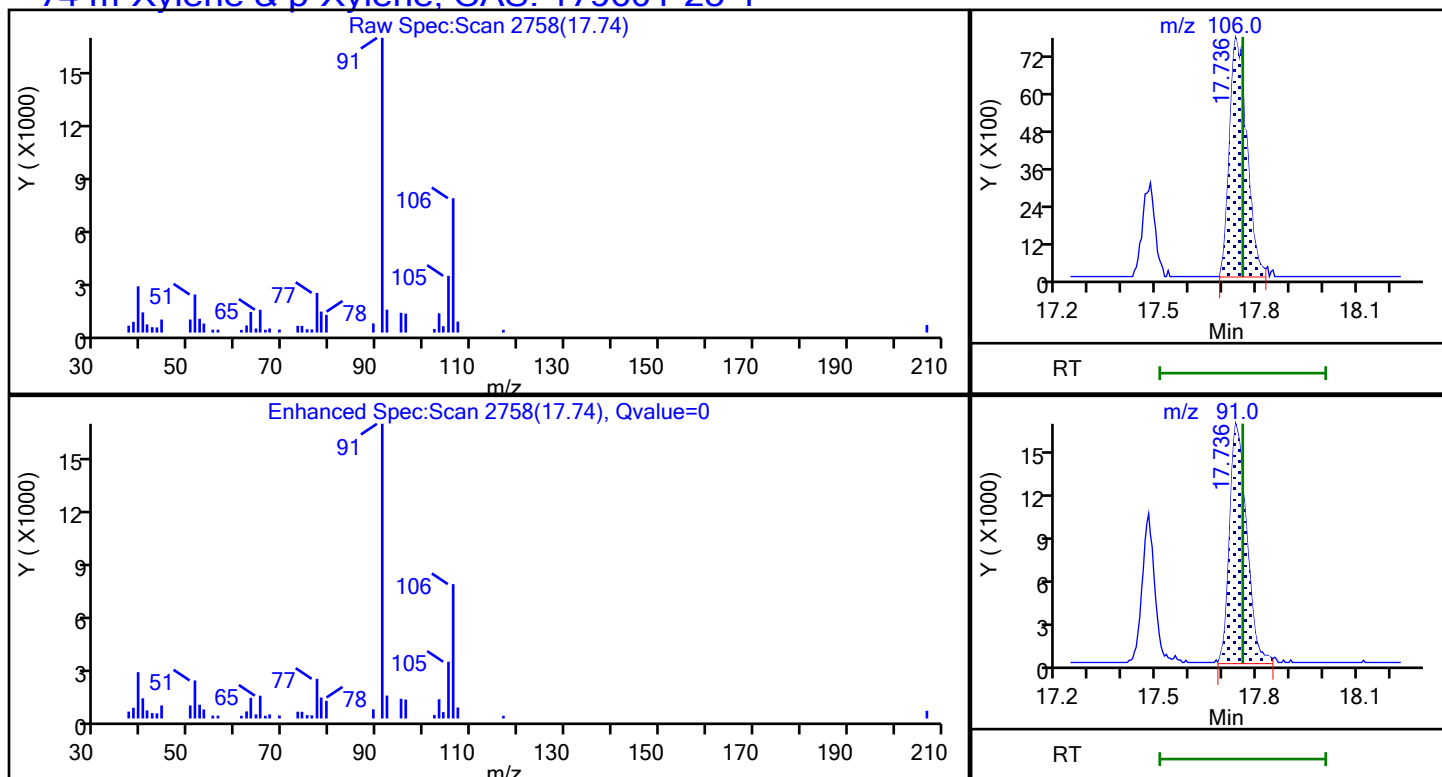
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

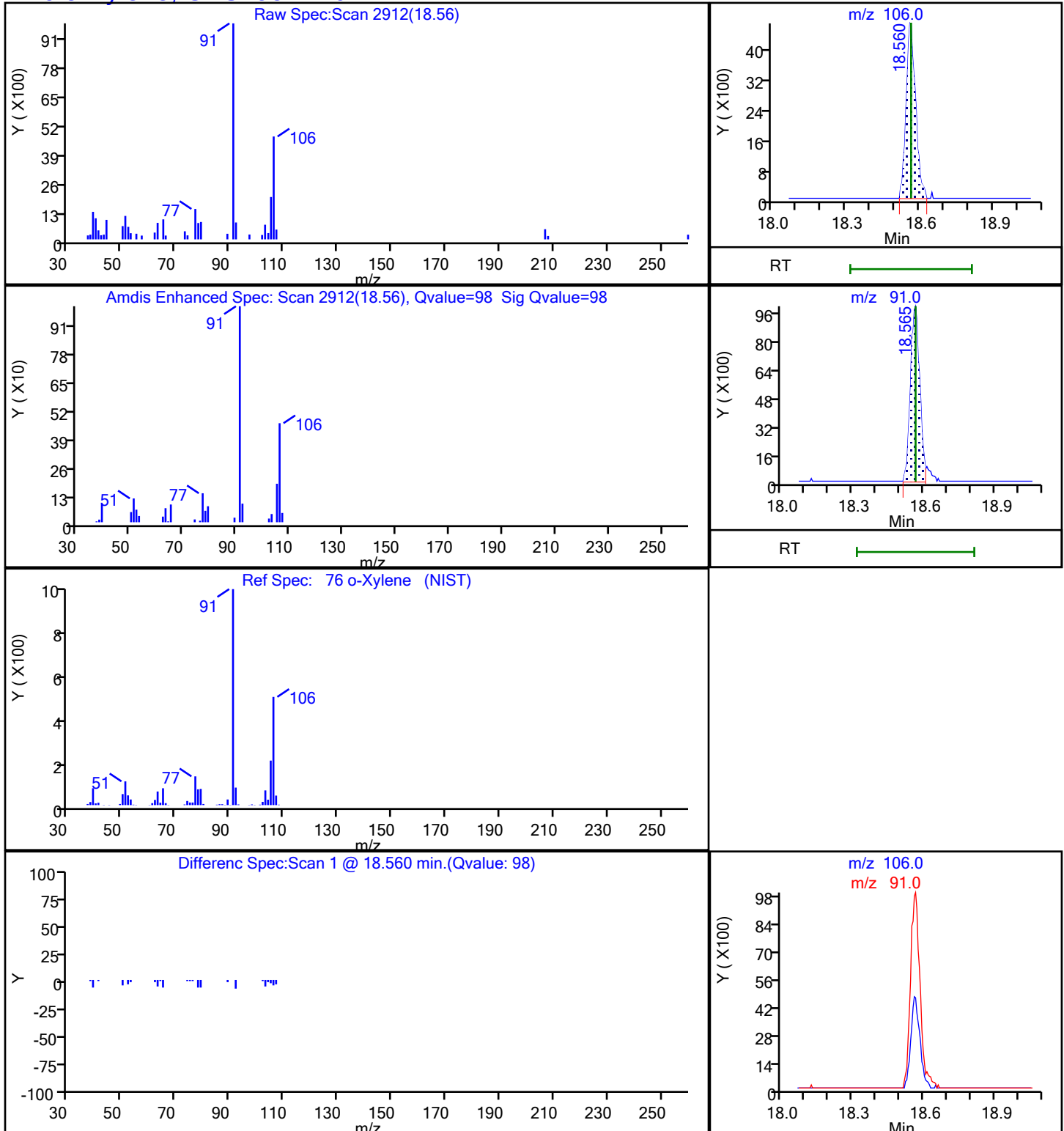
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

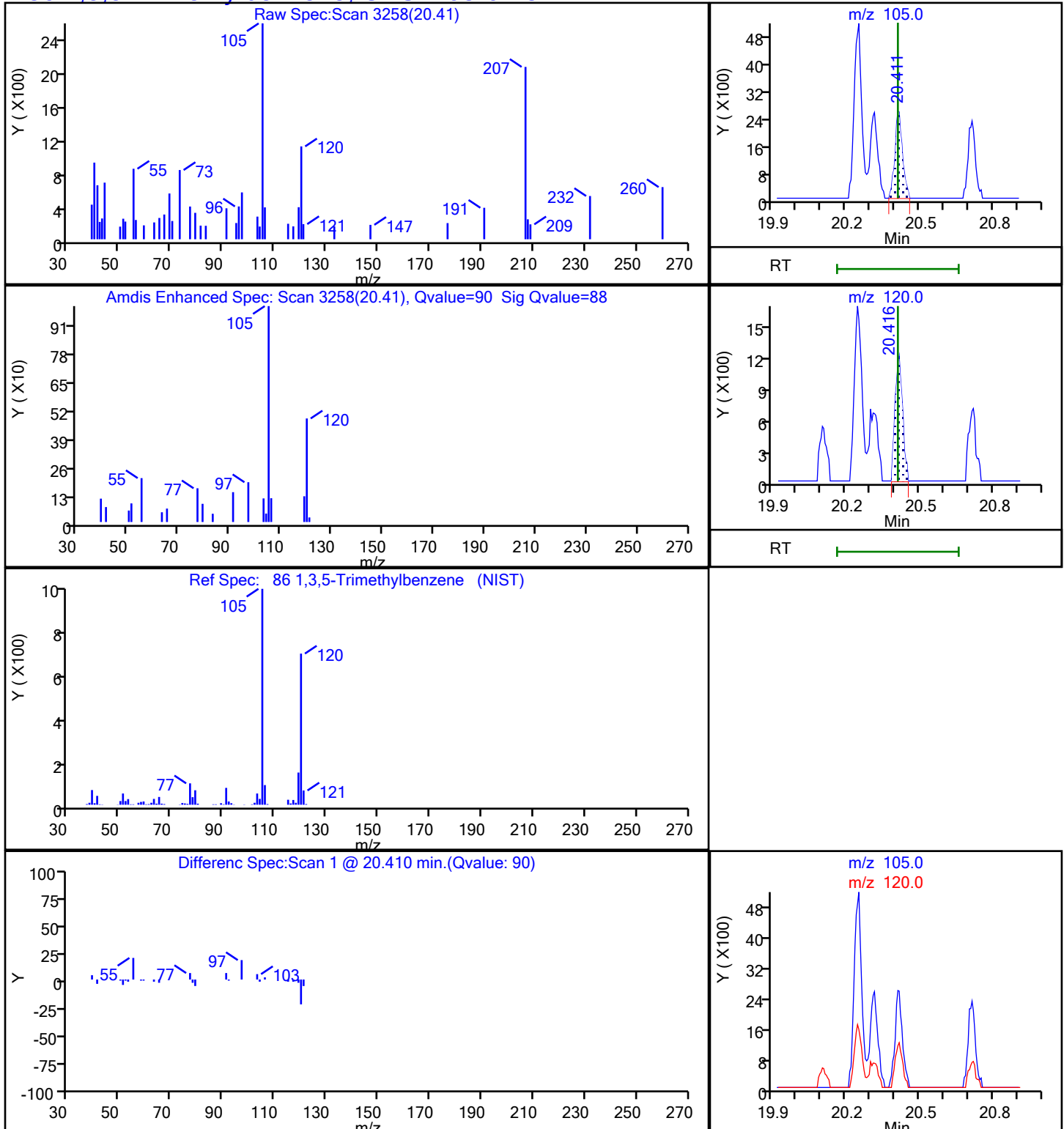
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

86 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

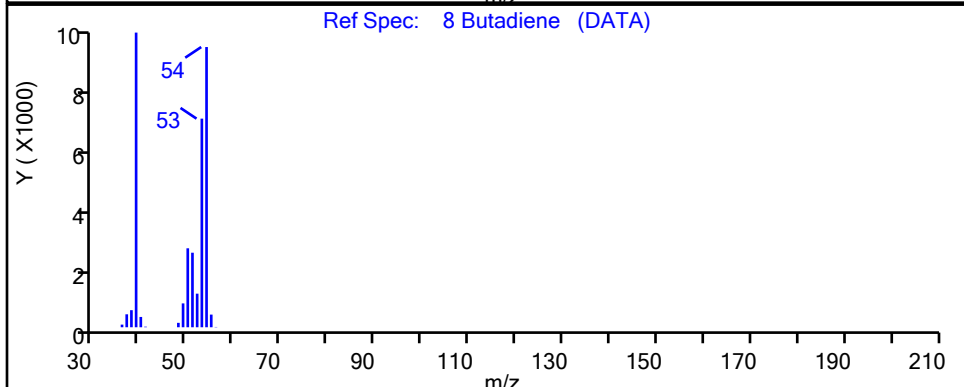
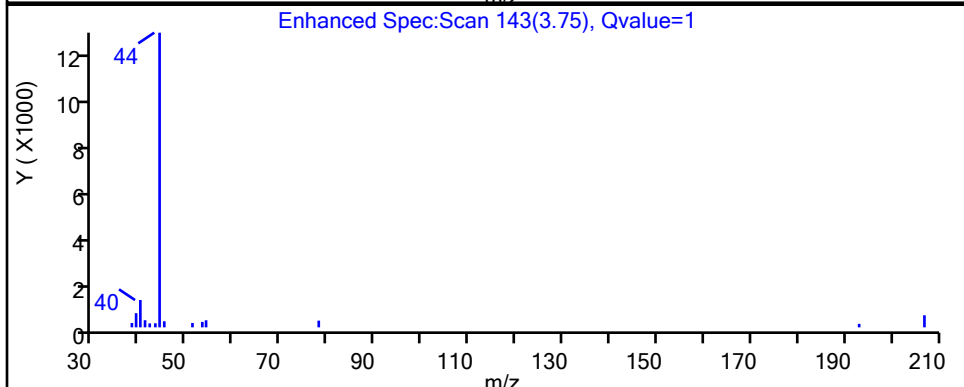
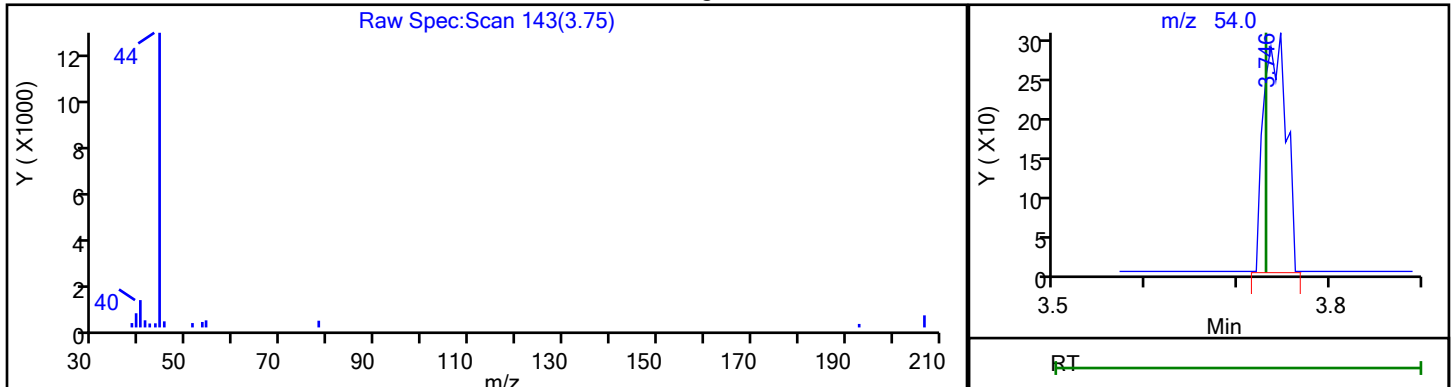
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
3.75	54.00	511	0.026355

Reviewer: BKZ7, 20-Mar-2023 08:33:45

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

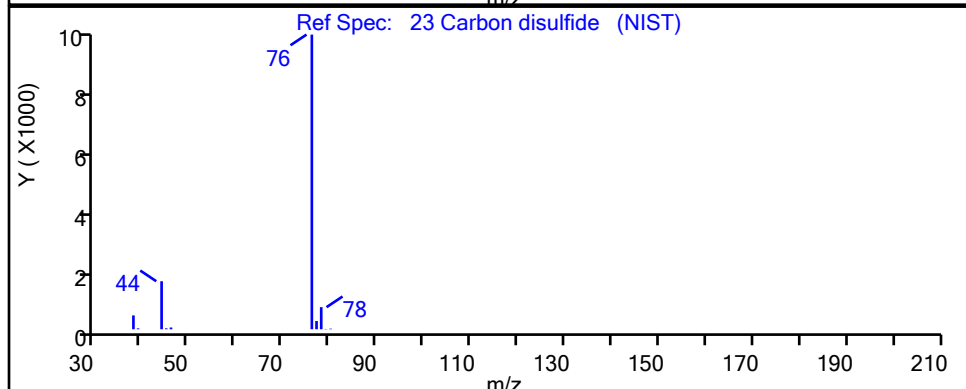
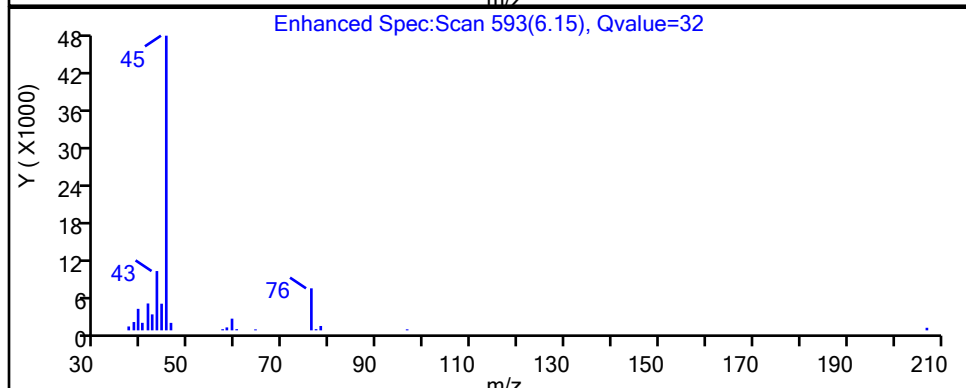
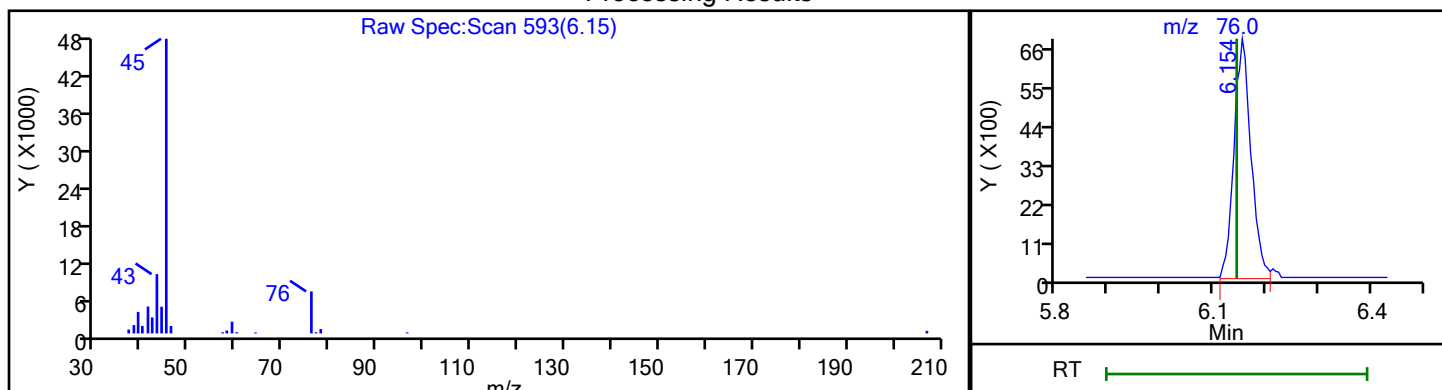
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
6.15	76.00	15383	0.178010

Reviewer: BKZ7, 20-Mar-2023 08:33:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

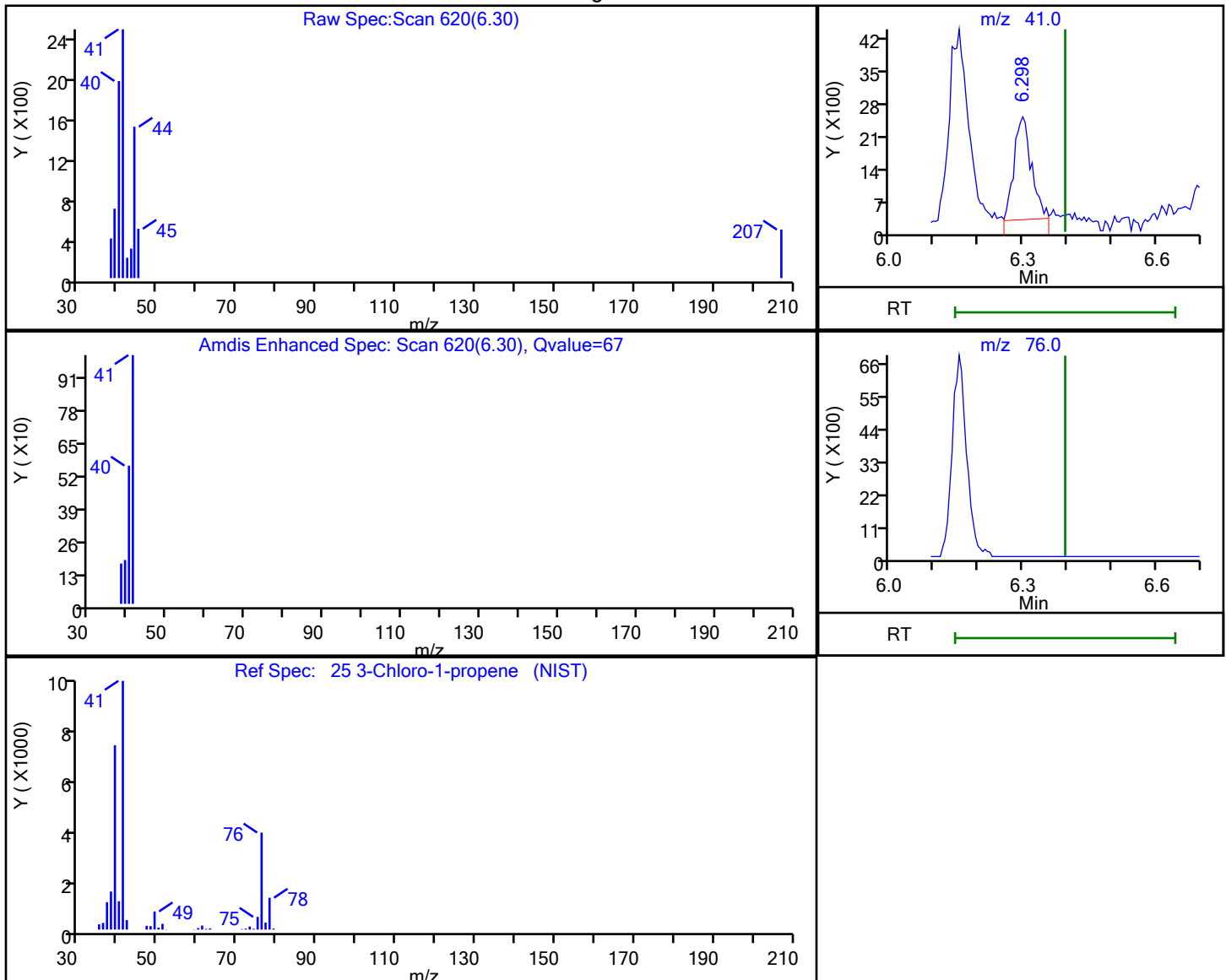
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.30	41.00	6105	0.174709
6.39	76.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:33:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

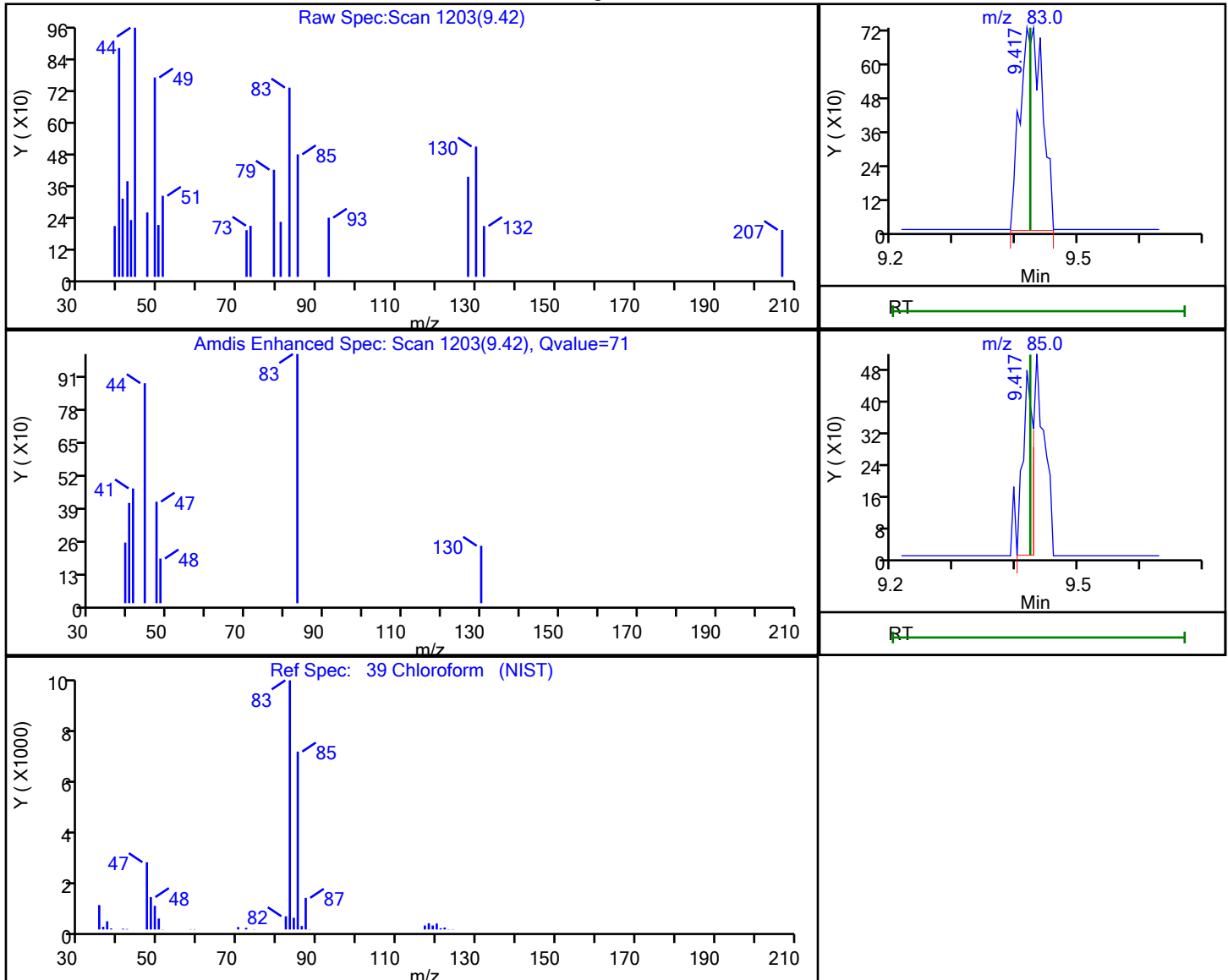
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

39 Chloroform, CAS: 67-66-3

Processing Results



RT	Mass	Response	Amount
9.42	83.00	1845	0.023965
9.42	85.00	524	

Reviewer: BKZ7, 20-Mar-2023 08:34:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

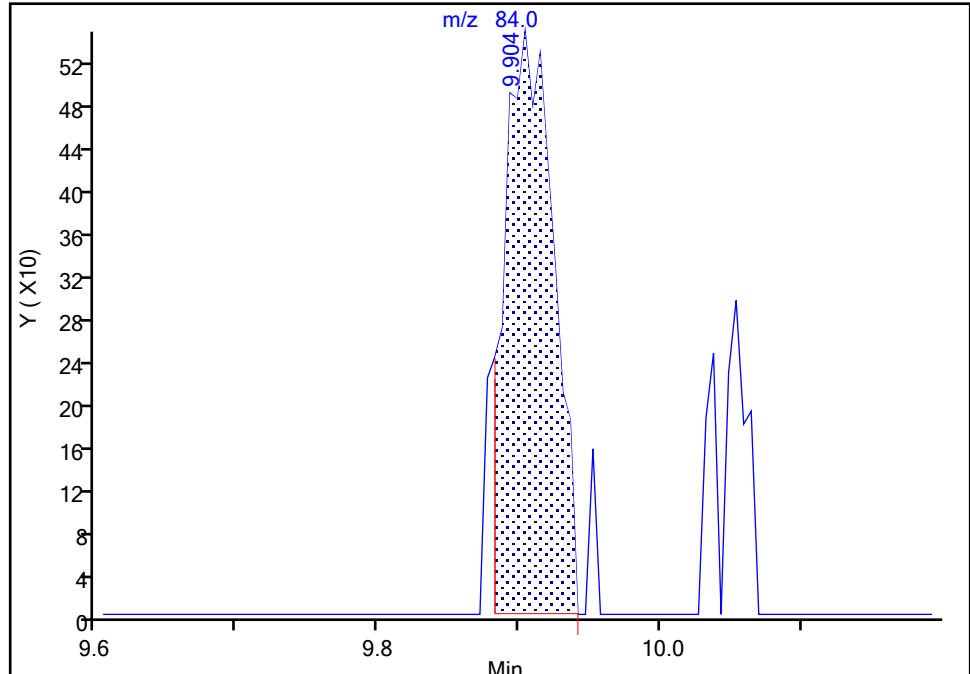
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Injection Date:	20-Mar-2023 00:49:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-1	Lab Sample ID:	200-67137-1
Client ID:	BANK-1		
Operator ID:	vtp	ALS Bottle#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

41 Cyclohexane, CAS: 110-82-7

Signal: 1

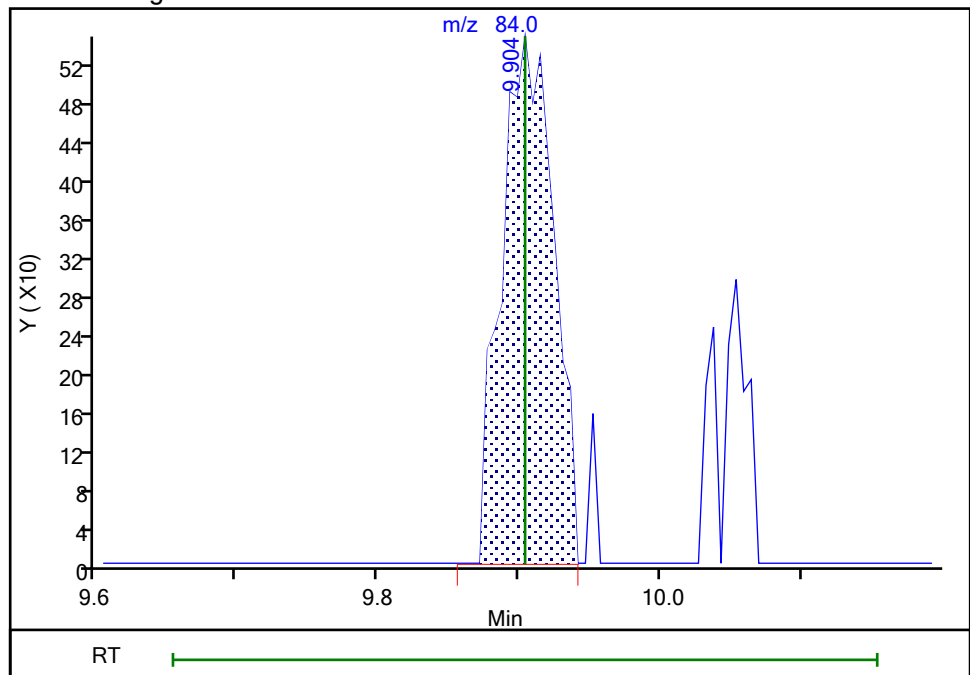
RT: 9.90
Area: 1327
Amount: 0.032788
Amount Units: ppb v/v

Processing Integration Results



RT: 9.90
Area: 1398
Amount: 0.034542
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 20-Mar-2023 08:34:36
Audit Action: Manually Integrated

Audit Reason: Baseline
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PM

Eurofins Burlington

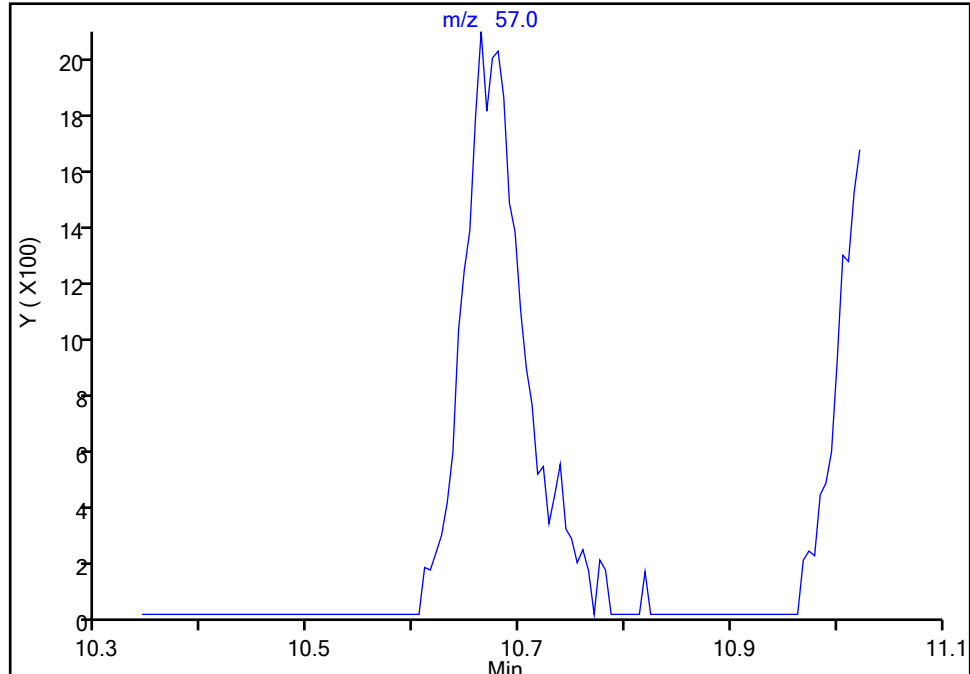
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D		
Injection Date:	20-Mar-2023 00:49:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-1	Lab Sample ID:	200-67137-1
Client ID:	BANK-1		
Operator ID:	vtp	ALS Bottle#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

46 Isooctane, CAS: 540-84-1

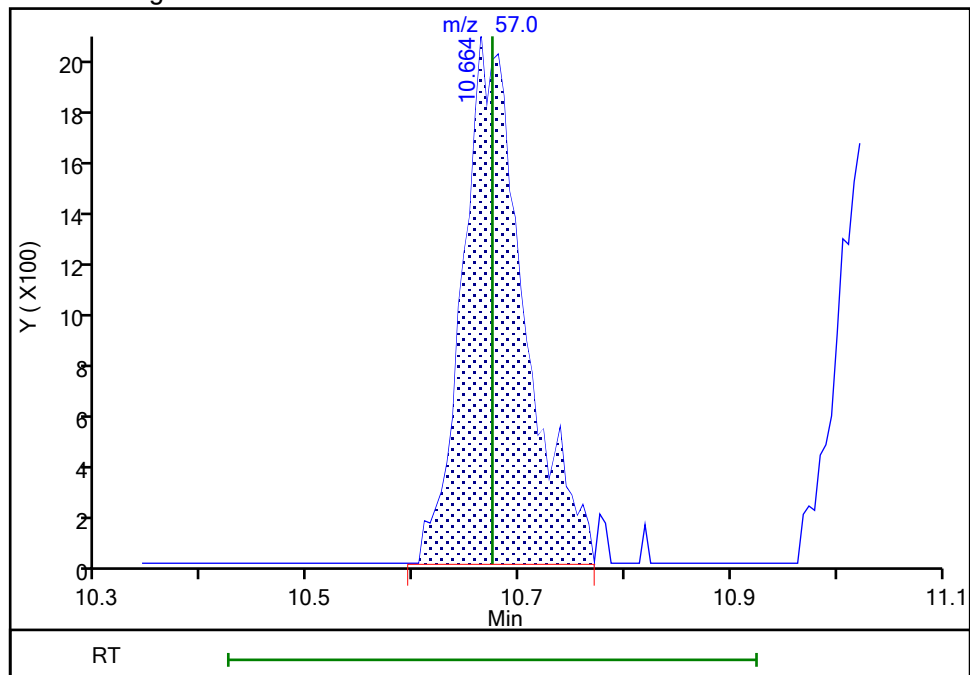
Signal: 1

Not Detected
Expected RT: 10.67

Processing Integration Results

RT: 10.66
Area: 8353
Amount: 0.047080
Amount Units: ppb v/v

Manual Integration Results

Reviewer: BKZ7, 20-Mar-2023 08:34:45
Audit Action: Manually IntegratedAudit Reason: Baseline
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

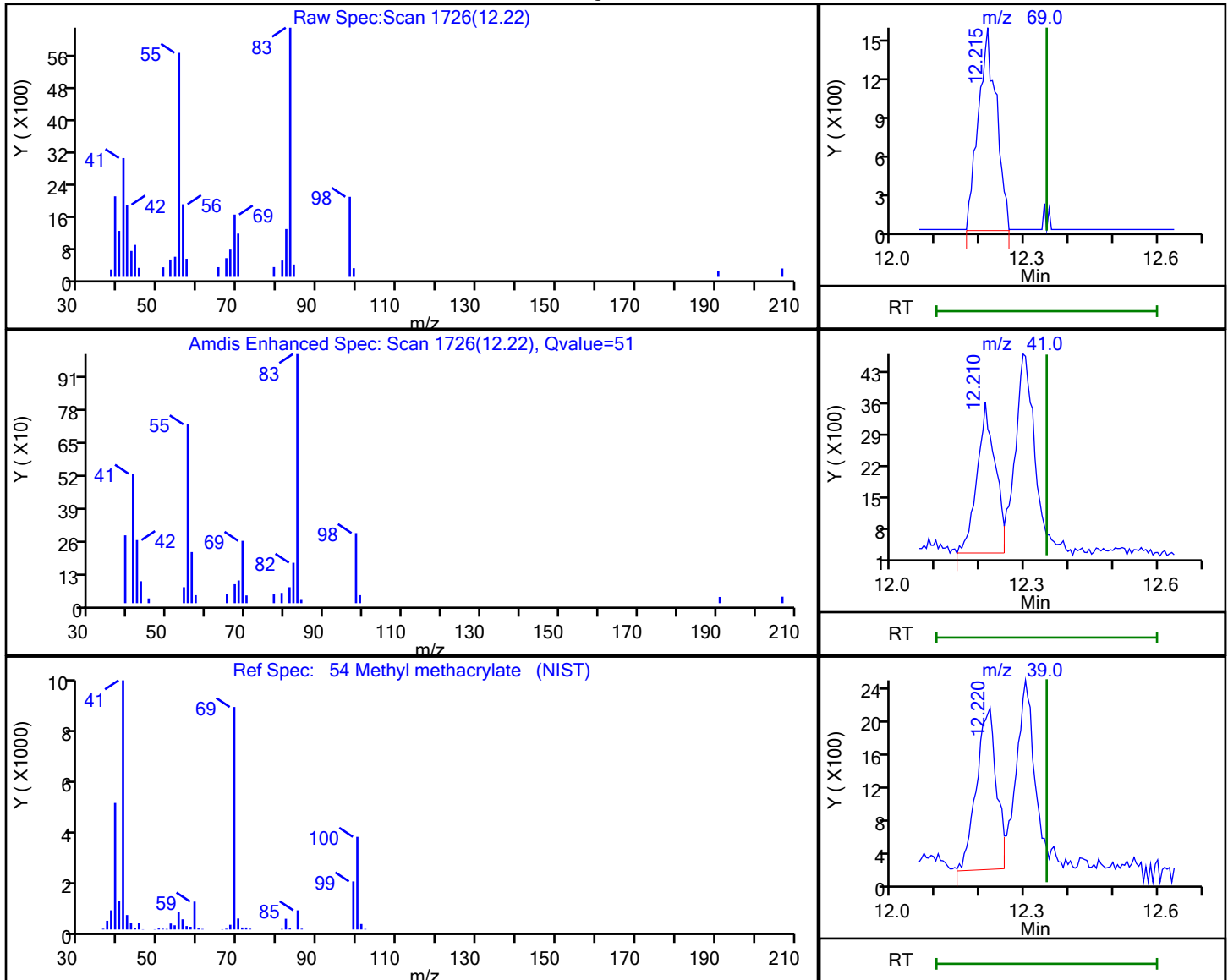
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
12.22	69.00	4428	0.125494
12.21	41.00	9665	
12.22	39.00	6102	

Reviewer: BKZ7, 20-Mar-2023 08:34:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

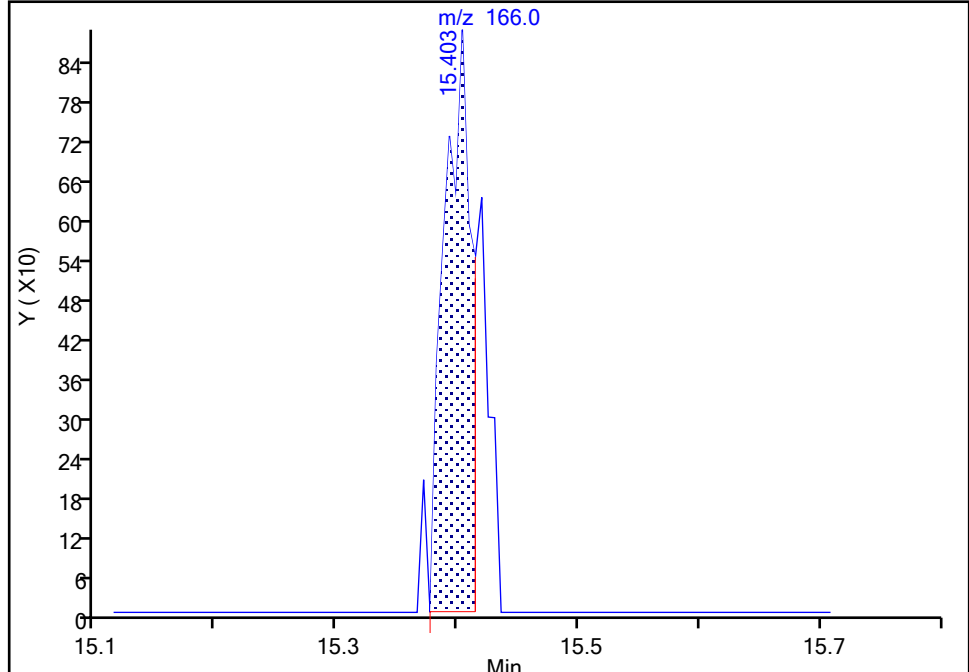
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D
Injection Date: 20-Mar-2023 00:49:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-1 Lab Sample ID: 200-67137-1
Client ID: BANK-1
Operator ID: vtp ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Signal: 1

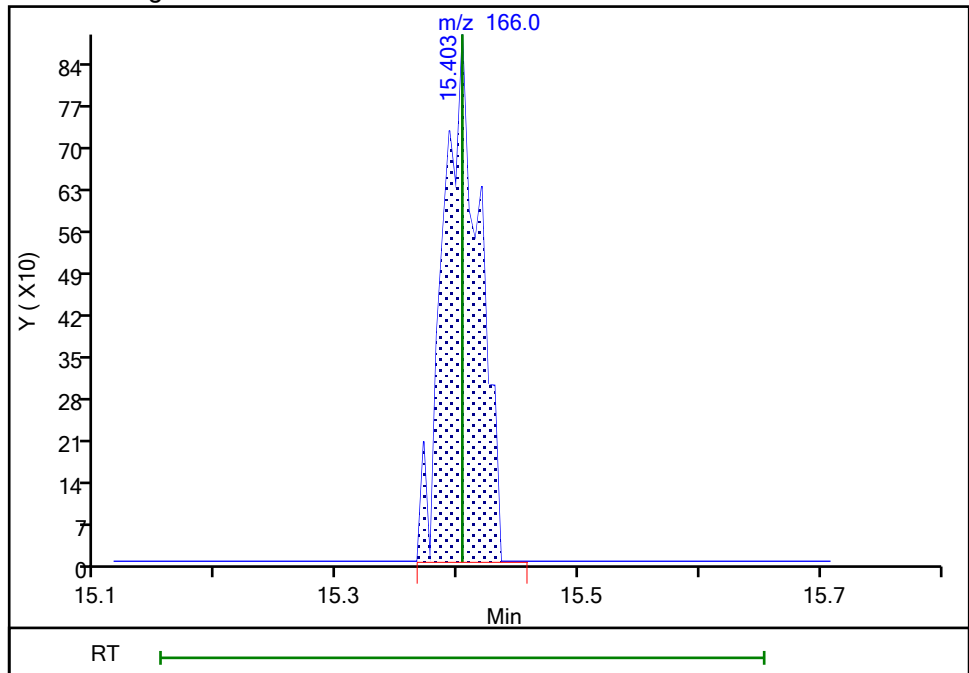
RT: 15.40
Area: 1377
Amount: 0.023469
Amount Units: ppb v/v

Processing Integration Results



RT: 15.40
Area: 1834
Amount: 0.031258
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 20-Mar-2023 08:35:06
Audit Action: Manually Integrated

Audit Reason: Baseline
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17 Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

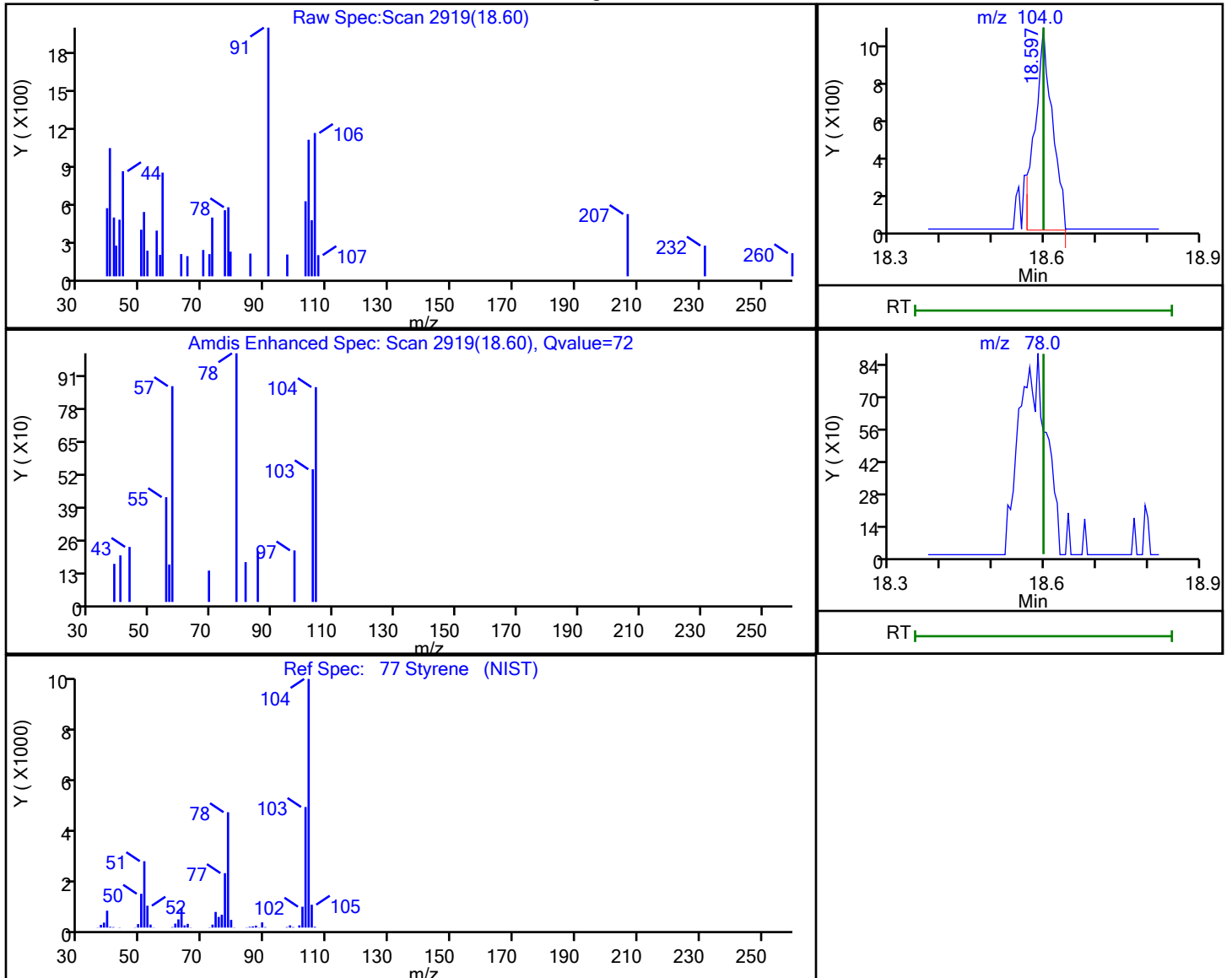
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

77 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
18.60	104.00	2468	0.031690
18.60	78.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:35:14

Audit Action: Marked Compound Undetected

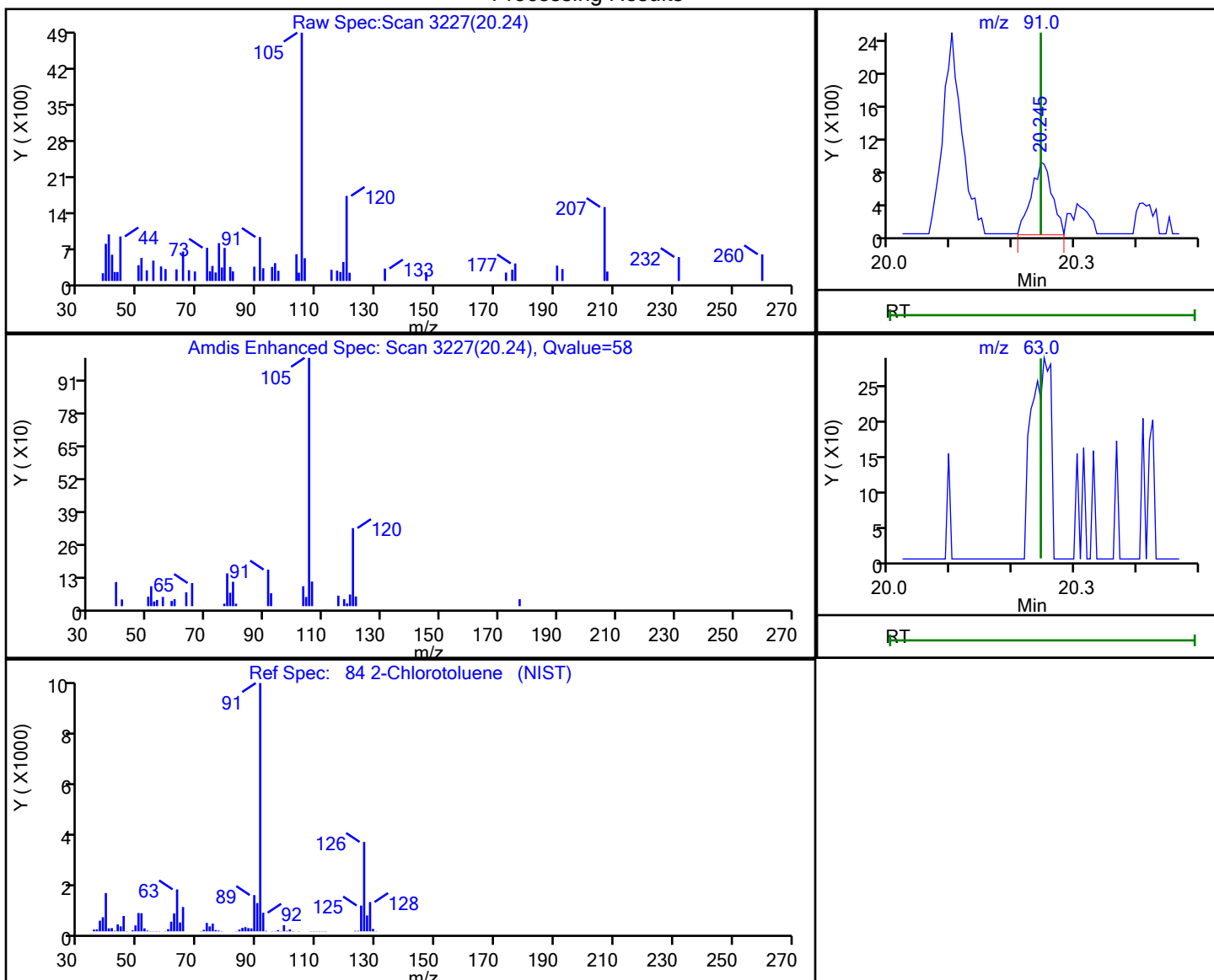
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D
Injection Date: 20-Mar-2023 00:49:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-1 Lab Sample ID: 200-67137-1
Client ID: BANK-1
Operator ID: vtp ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

84 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
20.24	91.00	1986	0.017633
20.24	63.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:35:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

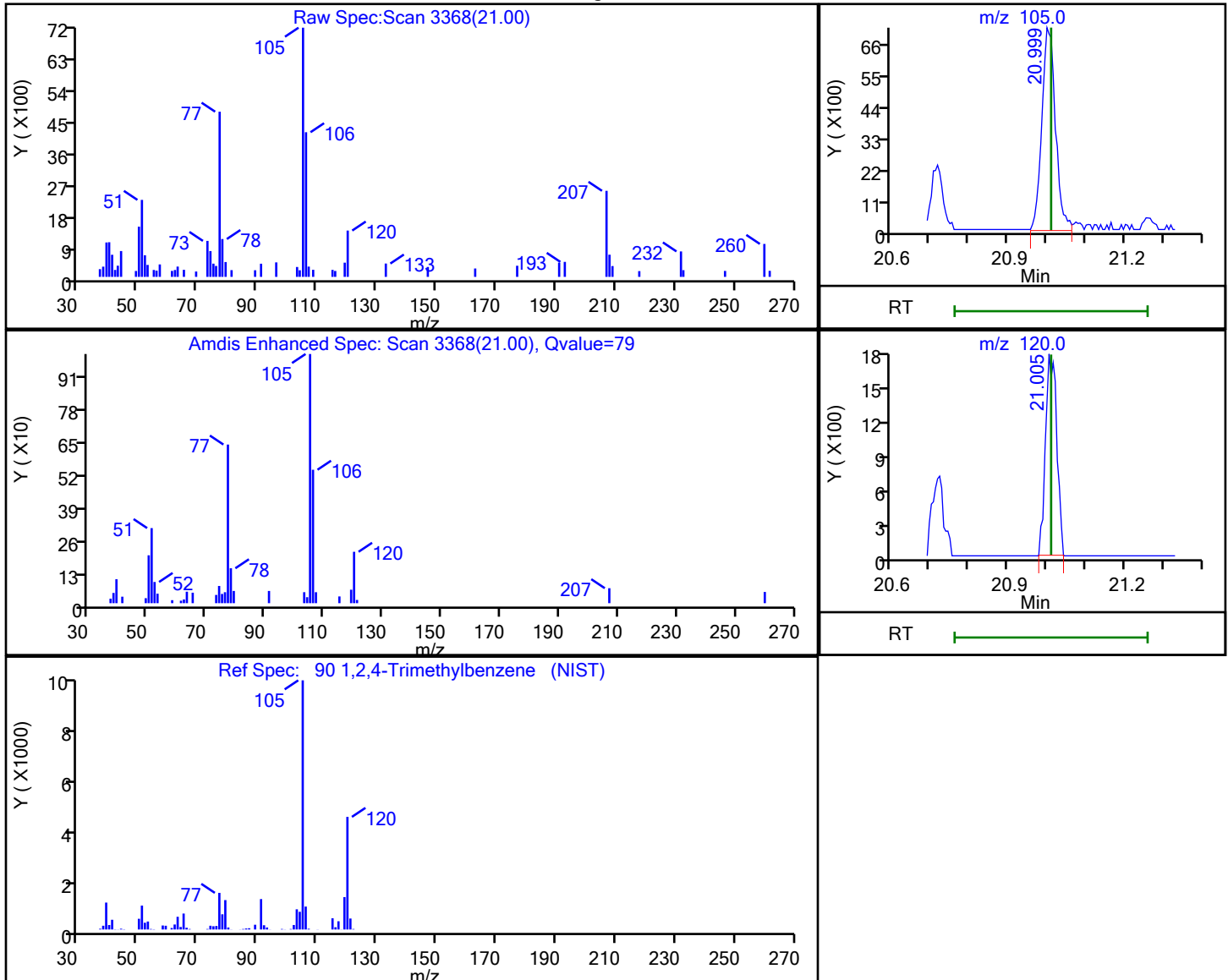
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
21.00	105.00	17447	0.157482
21.00	120.00	3515	

Reviewer: BKZ7, 20-Mar-2023 08:35:26

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17 Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

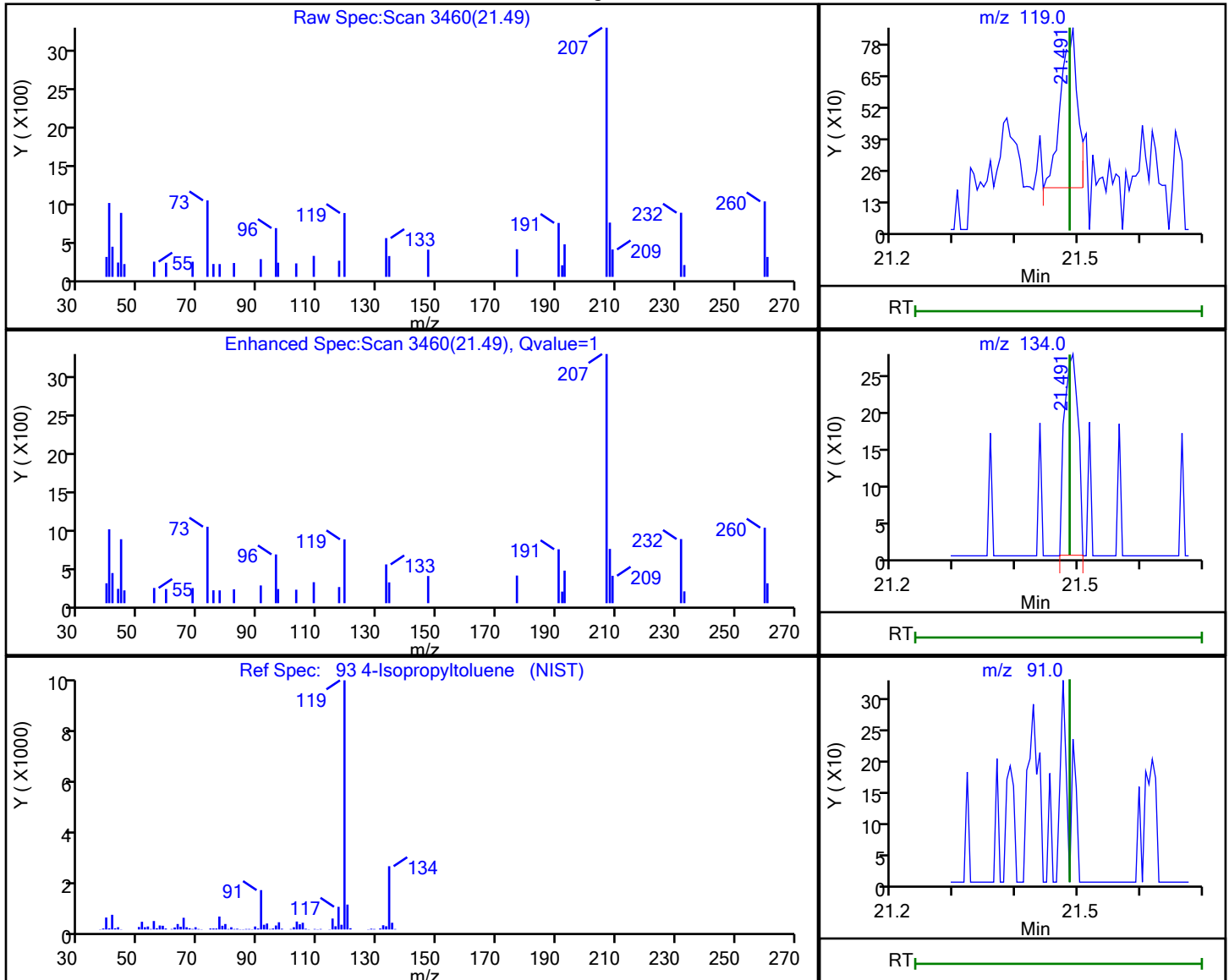
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

93 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
21.49	119.00	1261	0.010693
21.49	134.00	423	
21.49	91.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:35:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-018.D

Injection Date: 20-Mar-2023 00:49:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-1

Lab Sample ID: 200-67137-1

Client ID: BANK-1

Operator ID: vtp

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

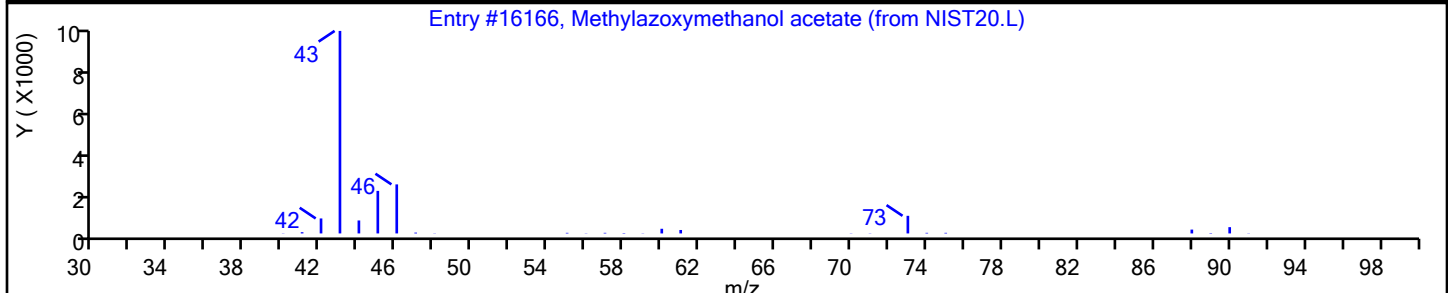
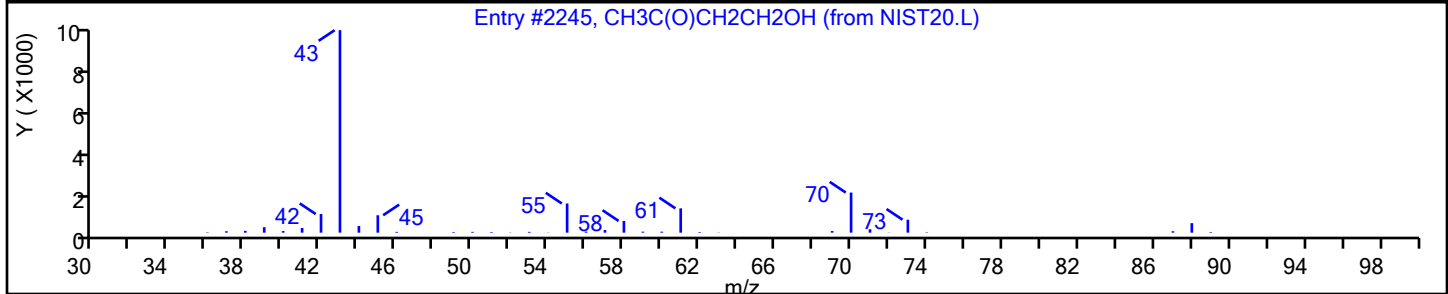
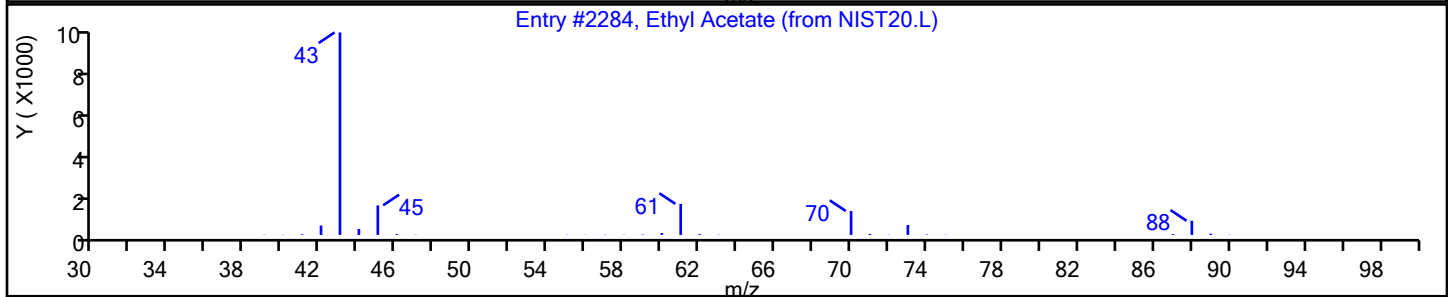
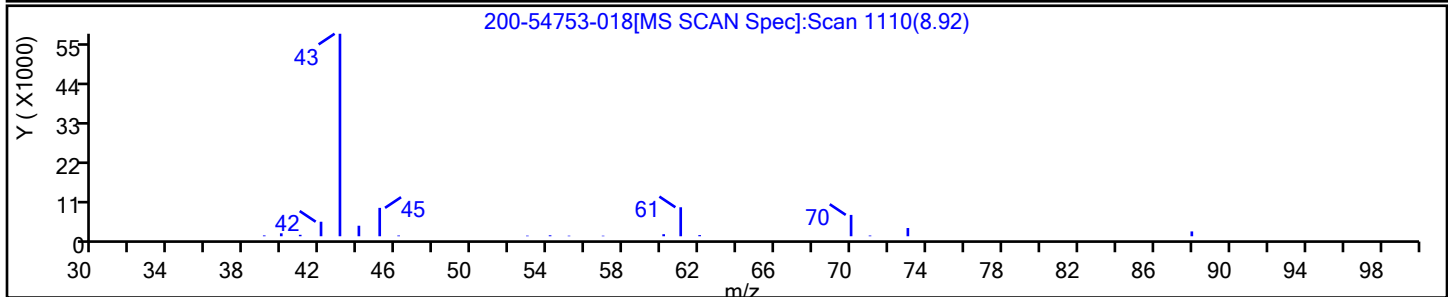
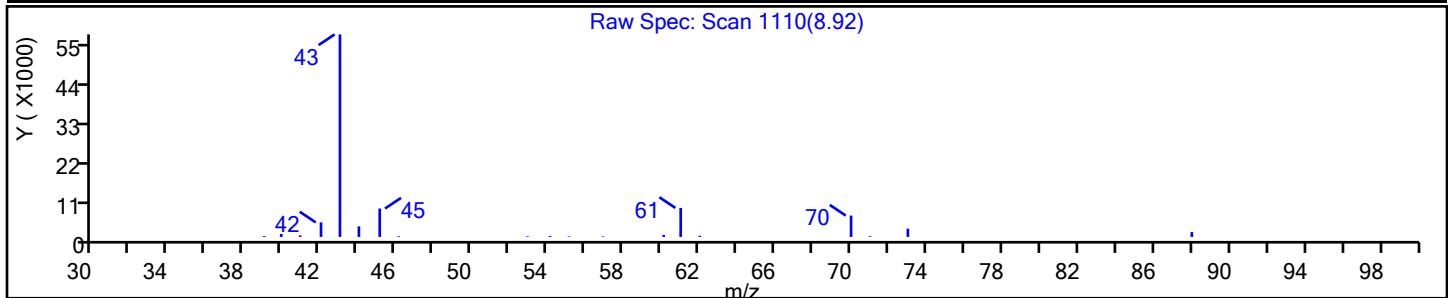
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector: MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl Acetate	141-78-6	NIST20.L	2284	C4H8O2	88	90
CH3C(O)CH2CH2OH	590-90-9	NIST20.L	2245	C4H8O2	88	38
Methylazoxymethanol acetate	592-62-1	NIST20.L	16166	C4H8N2O3	132	9



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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>BANK-2</u>	Lab Sample ID: <u>200-67137-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54753-019.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 14:45</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 01:41</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>189477</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.1		0.50	0.11
75-45-6	Freon 22	86.47	2.4		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	0.52		0.50	0.15
106-97-8	n-Butane	58.12	1.1		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	Freon TF	187.38	0.057	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.026
67-64-1	Acetone	58.08	6.9		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	2.9	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	0.66		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	0.53		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	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
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.048		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: BANK-2 Lab Sample ID: 200-67137-2
 Matrix: Air Lab File ID: 200-54753-019.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 14:45
 Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 01:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.20		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	0.11	J	0.20	0.055
79-01-6	Trichloroethene	131.39	0.035	U	0.035	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	1.3
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	methyl isobutyl ketone	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.53		0.20	0.042
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	0.046	J	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	0.12	J	0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.27	J	0.50	0.095
95-47-6	Xylene, o-	106.17	0.15	J	0.20	0.052
1330-20-7	Xylene (total)	106.17	0.42	J	0.70	0.052
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	0.049	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.061	J	0.20	0.047
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	0.19	J	0.20	0.080

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: BANK-2 Lab Sample ID: 200-67137-2
Matrix: Air Lab File ID: 200-54753-019.D
Analysis Method: TO-15 Date Collected: 03/02/2023 14:45
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 01:41
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	0.50	U	0.50	0.32

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>BANK-2</u>	Lab Sample ID: <u>200-67137-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54753-019.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 14:45</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 01:41</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>189477</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.3		2.5	0.54
75-45-6	Freon 22	86.47	8.4		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	2.7		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	0.96	J	1.1	0.28
76-13-1	Freon TF	187.38	0.43	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.10
67-64-1	Acetone	58.08	16		12	3.8
67-63-0	Isopropyl alcohol	60.10	7.2	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	2.3		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	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
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.30		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: BANK-2 Lab Sample ID: 200-67137-2
 Matrix: Air Lab File ID: 200-54753-019.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 14:45
 Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 01:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 189477 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.65		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	0.44	J	0.82	0.23
79-01-6	Trichloroethene	131.39	0.19	U	0.19	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	4.7
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	methyl isobutyl ketone	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	2.0		0.75	0.16
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	0.31	J	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	0.51	J	0.87	0.23
179601-23-1	m,p-Xylene	106.17	1.2	J	2.2	0.41
95-47-6	Xylene, o-	106.17	0.64	J	0.87	0.23
1330-20-7	Xylene (total)	106.17	1.8	J	3.0	0.23
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	0.24	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.30	J	0.98	0.23
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	0.92	J	0.98	0.39

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: BANK-2 Lab Sample ID: 200-67137-2
Matrix: Air Lab File ID: 200-54753-019.D
Analysis Method: TO-15 Date Collected: 03/02/2023 14:45
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 01:41
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 189477 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	3.7	U	3.7	2.4

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>BANK-2</u>	Lab Sample ID: <u>200-67137-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54753-019.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 14:45</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 01:41</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>189477</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>1</u>	TIC Result Total: <u>1.6</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	8.92	1.6	J N	86%

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D
 Lims ID: 200-67137-A-2
 Client ID: BANK-2
 Sample Type: Client
 Inject. Date: 20-Mar-2023 01:41:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-019
 Misc. Info.: 67137-2
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 08:38:25 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: BKZ7

Date: 20-Mar-2023 08:38:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	99	91978	1.07	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	97	117910	2.37	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50	3.463	3.458	0.006	99	14462	0.5229	
6 Vinyl chloride	62		3.655				ND	
7 Butane	43	3.666	3.666	0.005	97	38651	1.12	
8 Butadiene	54		3.730				ND	MU
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.420				ND	
12 Vinyl bromide	106		4.741				ND	
13 Trichlorofluoromethane	101	4.881	4.870	0.011	96	11143	0.1717	
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.799	0.006	82	3417	0.0568	
19 Acetone	43	5.838	5.827	0.011	99	254754	6.91	
22 Isopropyl alcohol	45	6.165	6.084	0.081	100	131584	2.93	
23 Carbon disulfide	76		6.143				ND	MU
25 3-Chloro-1-propene	41		6.394				ND	MU
26 Methylene Chloride	49	6.614	6.609	0.006	97	23543	0.6600	
27 2-Methyl-2-propanol	59	6.972	6.812	0.160	95	8140	0.1600	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.111				ND	
31 Hexane	57	7.609	7.604	0.005	89	20728	0.5343	
32 1,1-Dichloroethane	63		7.844				ND	
34 2-Butanone (MEK)	72	8.845	8.813	0.032	100	5478	0.4478	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.246	9.241	0.005	95	277814	10.0	
38 Tetrahydrofuran	42	9.374	9.320	0.059	88	3130	0.1079	
39 Chloroform	83	9.423	9.428	0.001	90	1637	0.0220	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.754				ND	
41 Cyclohexane	84	9.915	9.915	0.011	83	1100	0.0275	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117	10.059	10.053	0.011	93	3435	0.0480	
44 Benzene	78	10.412	10.428	-0.005	98	20937	0.2021	
45 1,2-Dichloroethane	62		10.492				ND	
46 Isooctane	57		10.674				ND	
47 n-Heptane	43	11.033	11.017	0.016	90	7578	0.1061	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	95	1450876	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	MU
55 1,4-Dioxane	88		12.386				ND	
56 Dichlorobromomethane	83		12.739				ND	
58 cis-1,3-Dichloropropene	75		13.633				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.334	14.334	0.001	93	37619	0.5320	
65 trans-1,3-Dichloropropene	75		14.783				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166	15.404	15.403	0.001	87	2841	0.0462	
68 2-Hexanone	43		15.655				ND	MU
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.217				ND	
* 71 Chlorobenzene-d5	117	17.196	17.196	0.000	89	1300504	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.474	17.474	0.000	99	17948	0.1169	
74 m-Xylene & p-Xylene	106	17.736	17.747	-0.021	0	14127	0.2692	
76 o-Xylene	106	18.565	18.565	0.000	98	8056	0.1476	
77 Styrene	104		18.597				ND	MU
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	MU
S 82 Xylenes, Total	106				0		0.4168	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91	20.095	20.101	-0.005	98	5289	0.0296	
84 2-Chlorotoluene	91		20.245				ND	MU
85 4-Ethyltoluene	105	20.309	20.309	0.000	96	6764	0.0492	
86 1,3,5-Trimethylbenzene	105	20.411	20.411	0.000	94	7009	0.0611	
89 tert-Butylbenzene	119		20.919				ND	MU
90 1,2,4-Trimethylbenzene	105	21.005	21.010	-0.005	93	21738	0.1871	
91 sec-Butylbenzene	105		21.256				ND	
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119	21.486	21.486	0.000	88	1895	0.0153	
94 1,4-Dichlorobenzene	146		21.572				ND	7
95 Benzyl chloride	91		21.727				ND	7
97 n-Butylbenzene	91		22.053				ND	7
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.525				ND	7
101 Hexachlorobutadiene	225		24.776				ND	7
102 Naphthalene	128		24.995				ND	7
103 1,2,3-Trichlorobenzene	180		25.407				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington
Tentatively Identified Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D
 Lims ID: 200-67137-A-2
 Client ID: BANK-2
 Sample Type: Client
 Inject. Date: 20-Mar-2023 01:41:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-019
 Misc. Info.: 67137-2
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 08:38:25 Calib Date: 10-Mar-2023 19:06:30
 Tic RT Window: 0.000 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\chromfs\Burlington\Database\NIST20.L
 Min. Match: 1
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1605
 First Level Reviewer: BKZ7 Date: 20-Mar-2023 08:38:25

Tentative Identified Compound Results

RT	Area	Amount ppb v/v	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
141-78-6	Ethyl Acetate							
8.920	348882	1.58	37	86	2287	C4H8O2	88	

Quantitation Compounds

Compound	RT	Area	Amount ppb v/v
* 37 Chlorobromomethane	9.246	2210602	10.0

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Worklist Smp#: 19

Client ID: BANK-2

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

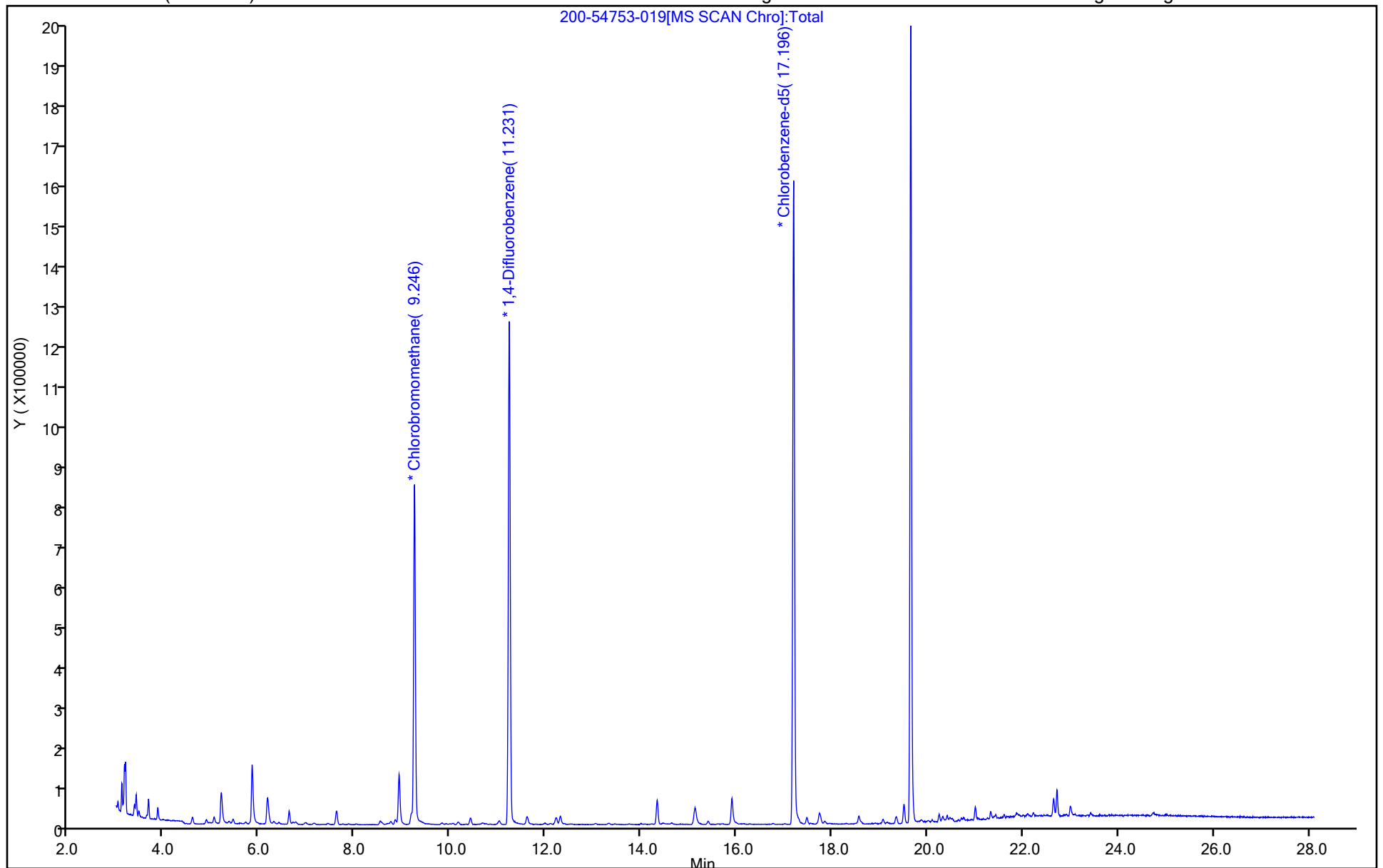
ALS Bottle#: 18

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

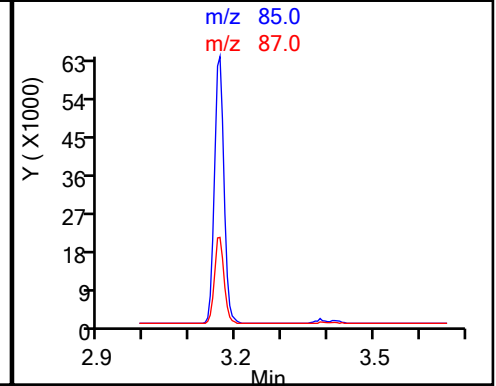
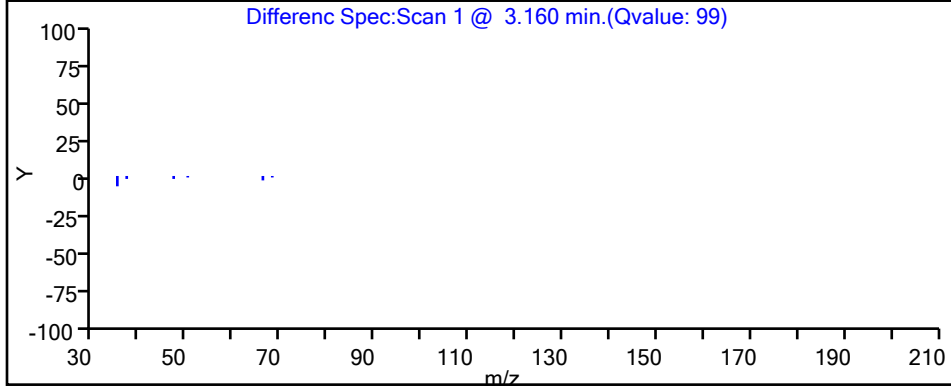
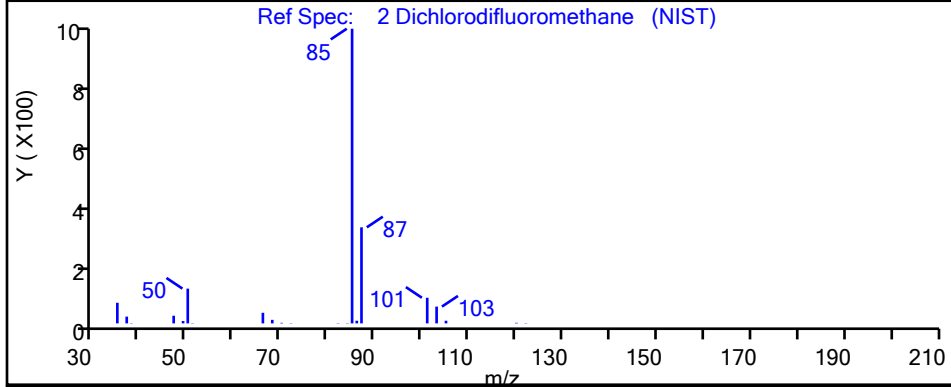
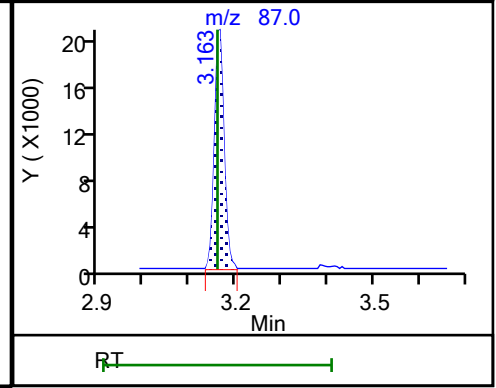
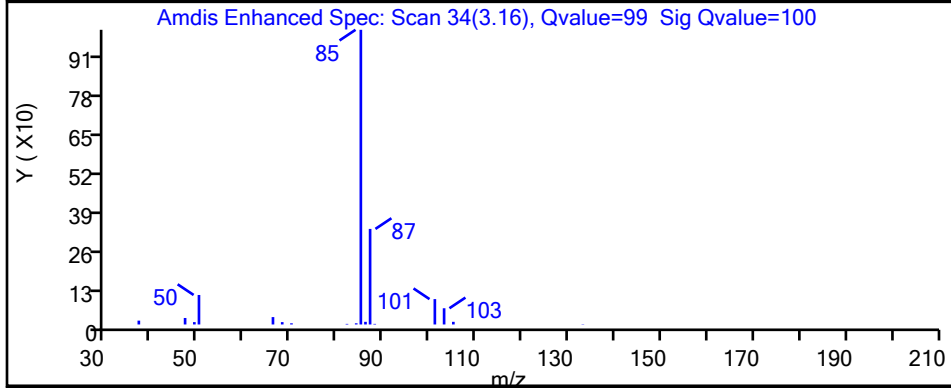
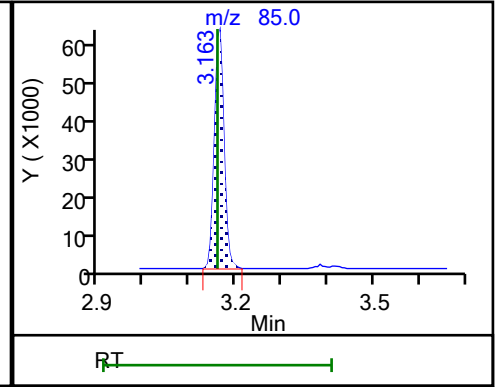
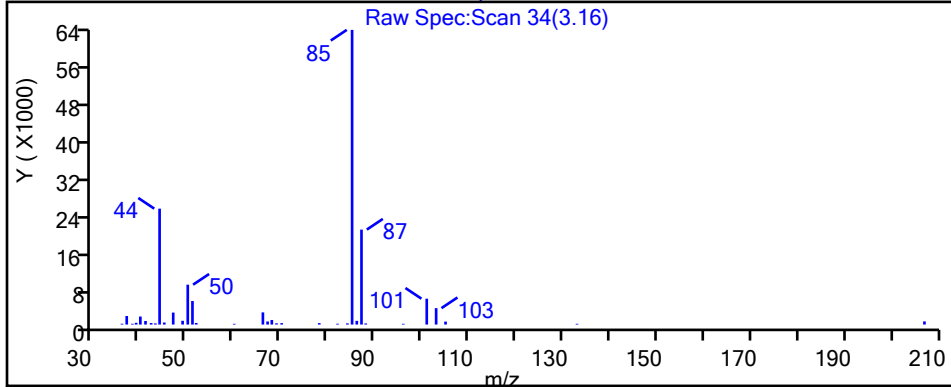
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

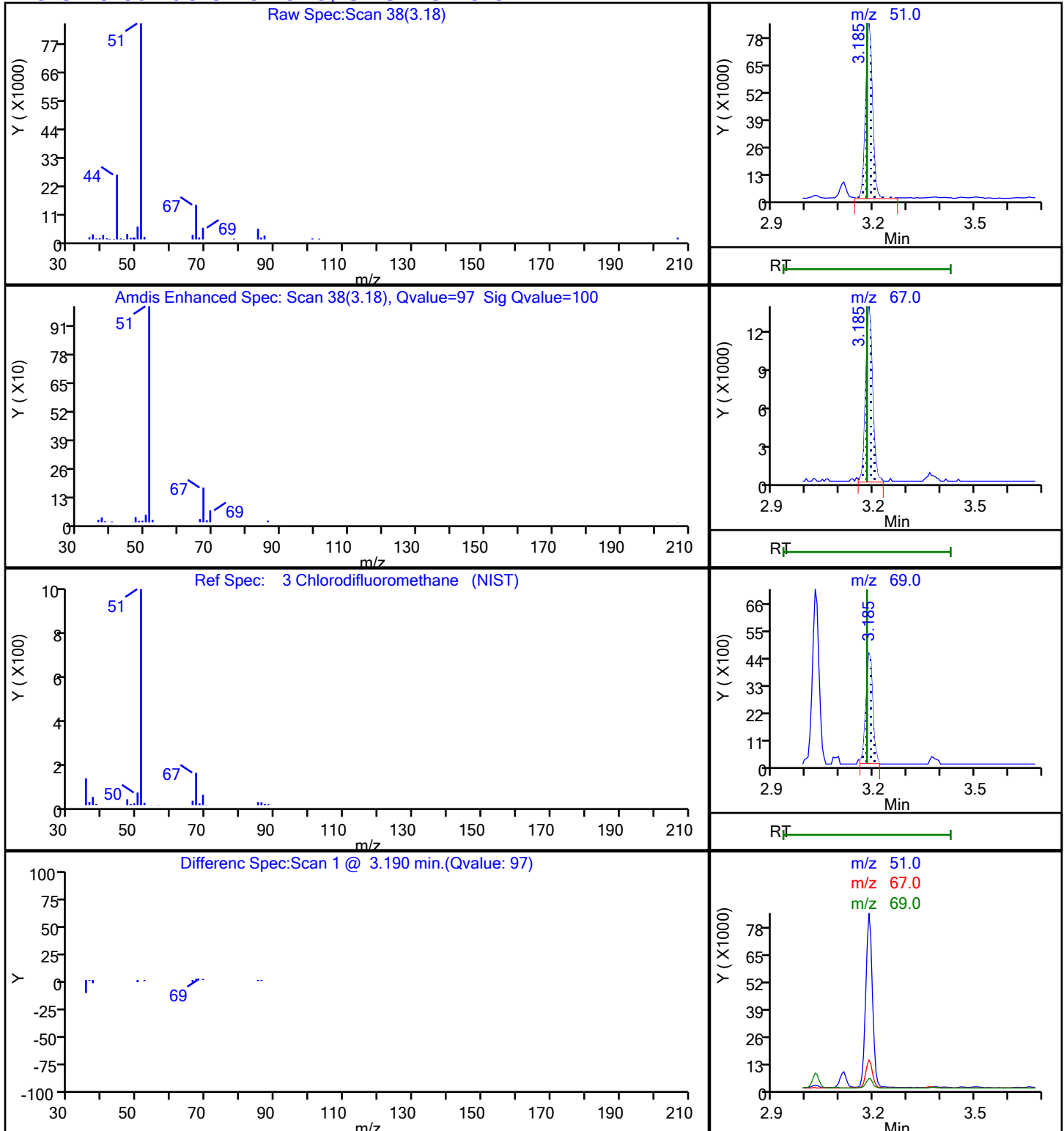
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

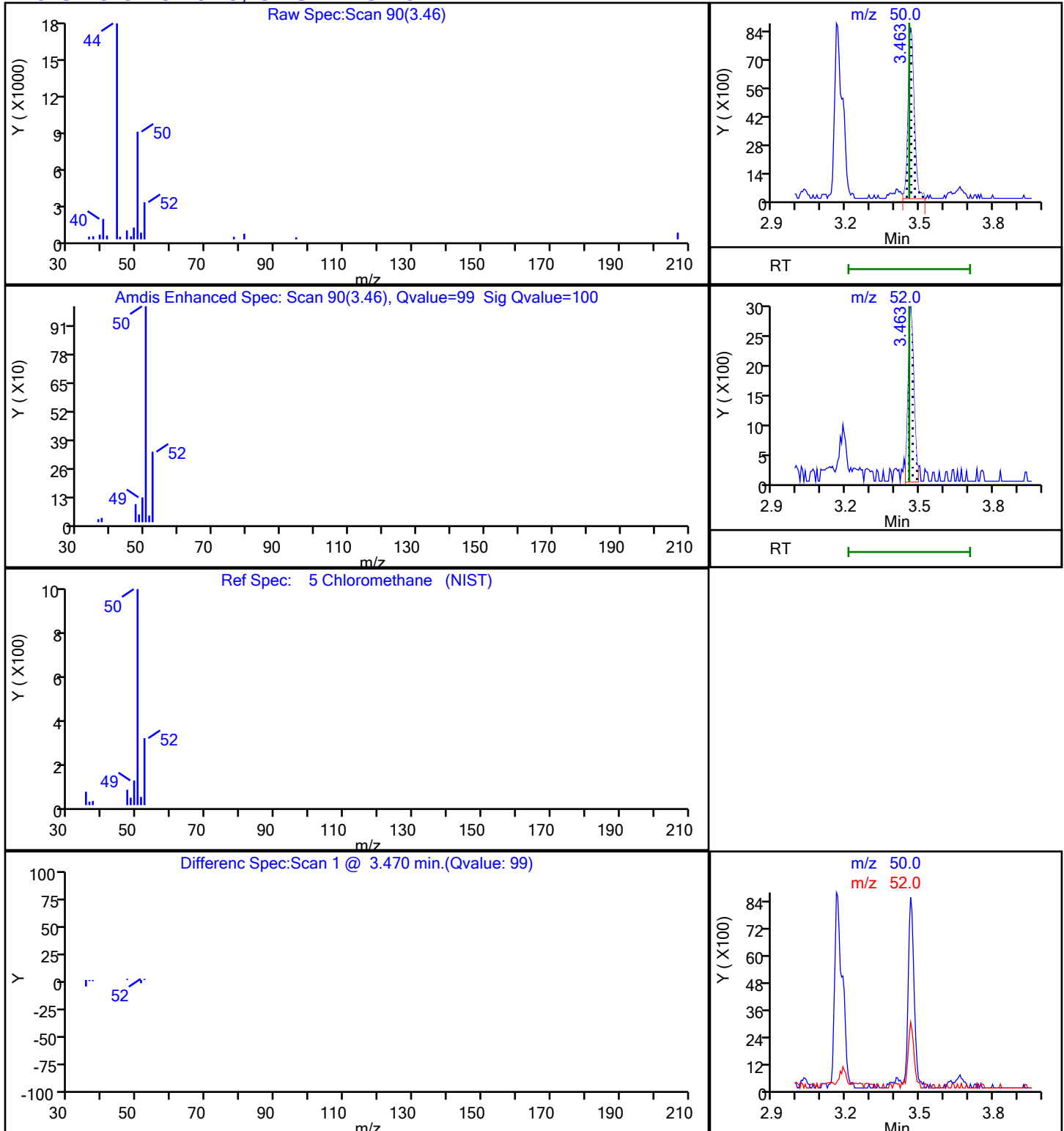
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

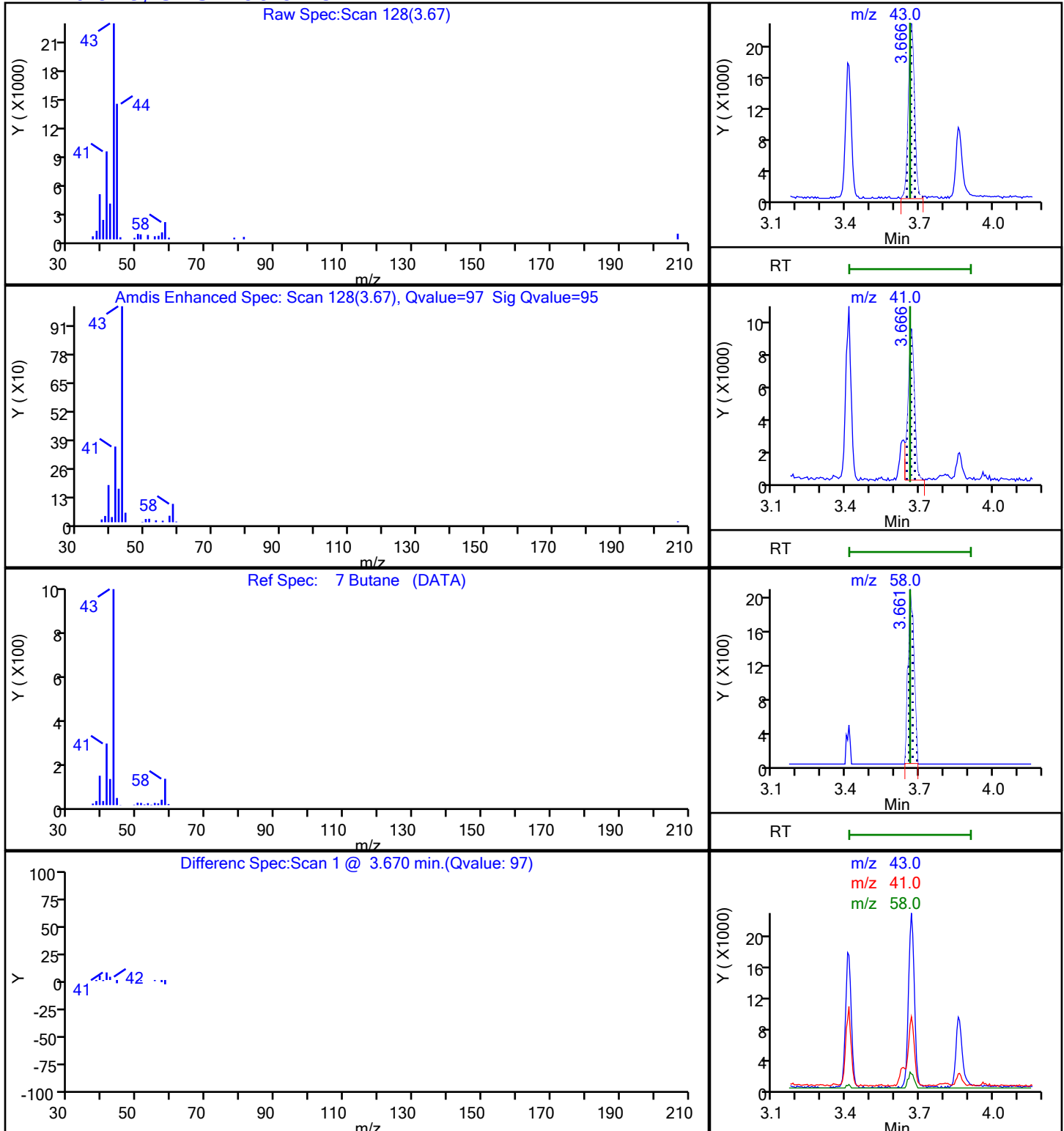
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

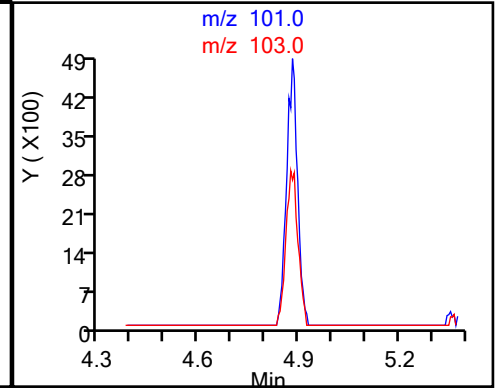
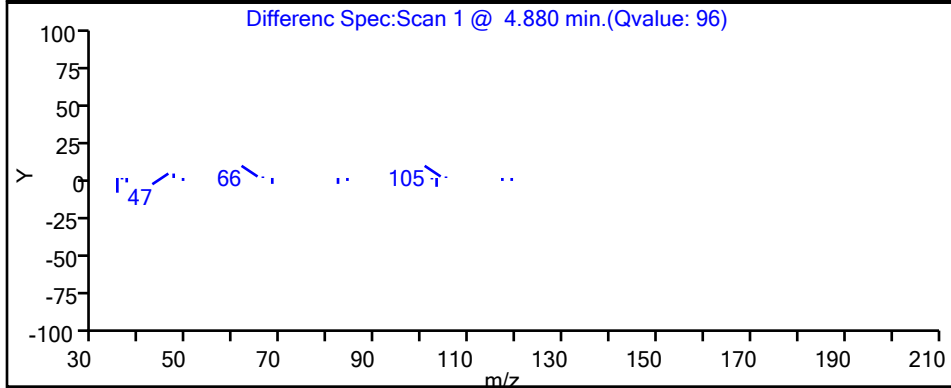
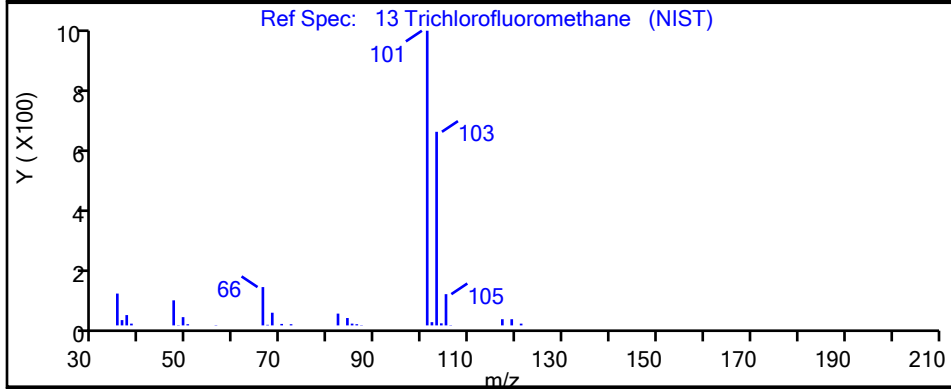
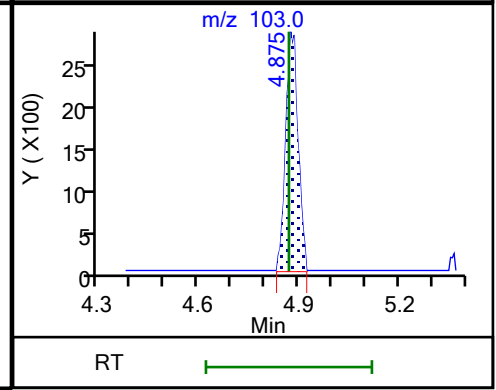
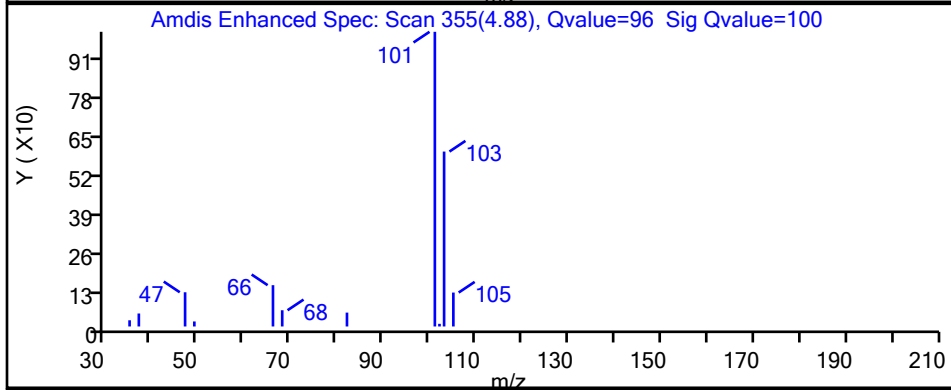
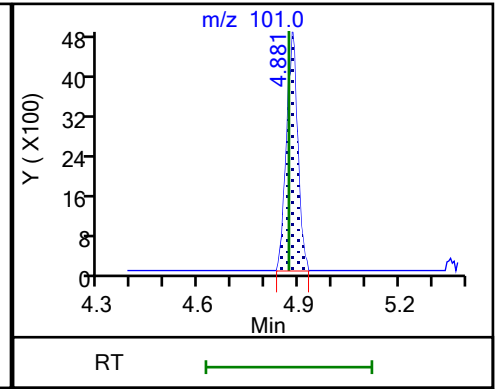
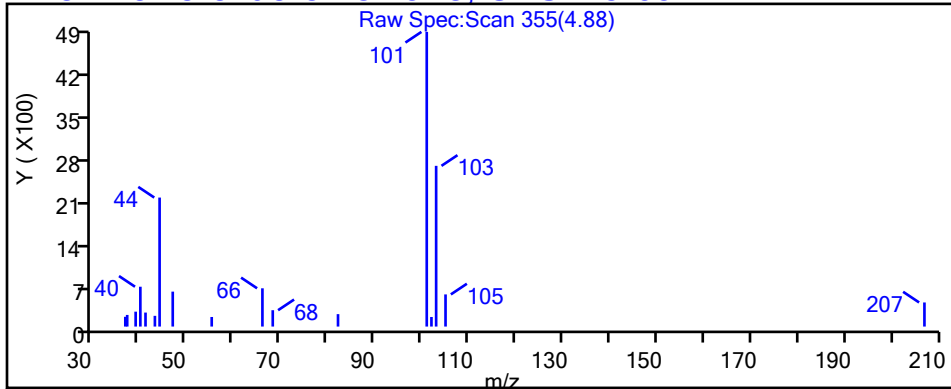
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

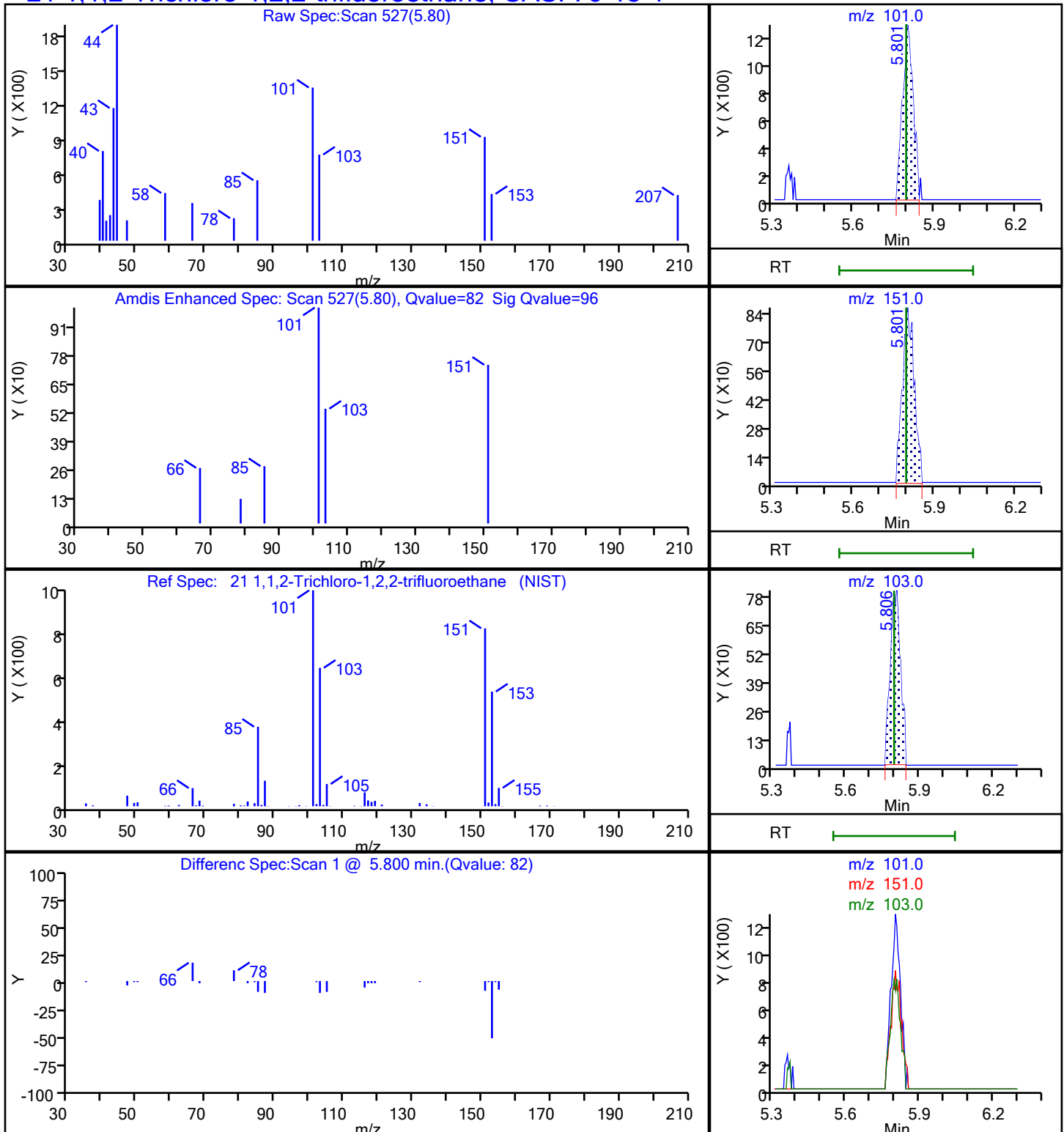
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

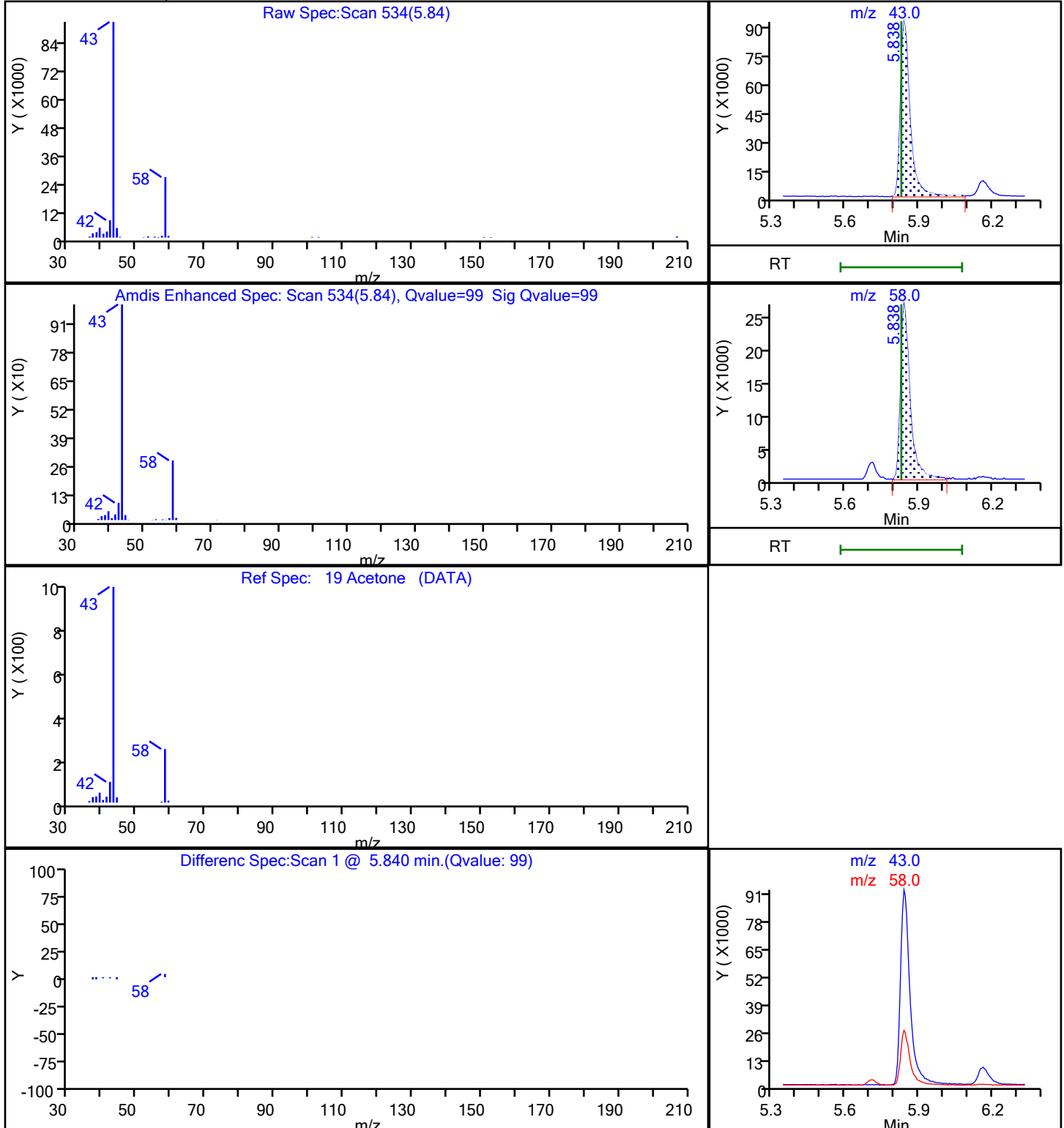
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

19 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

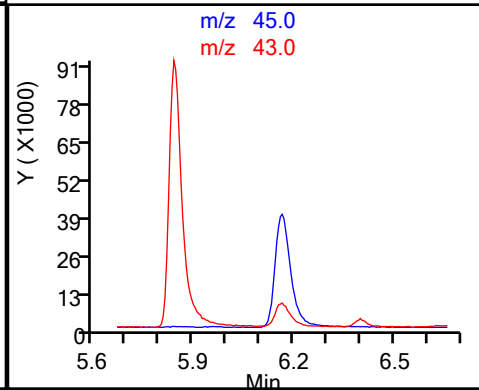
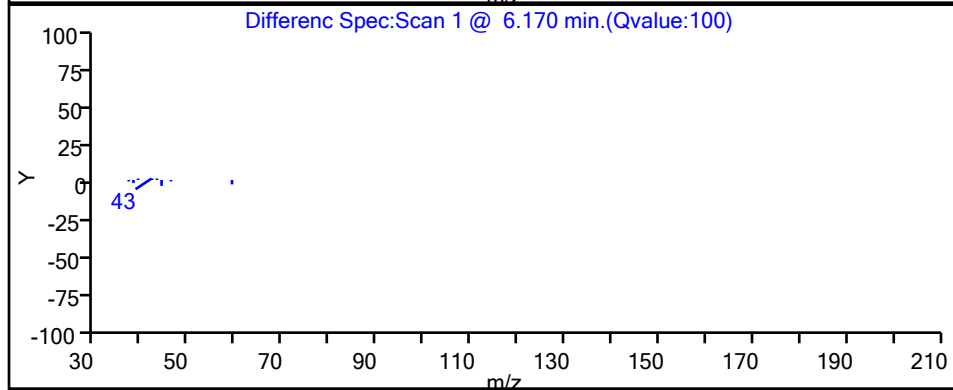
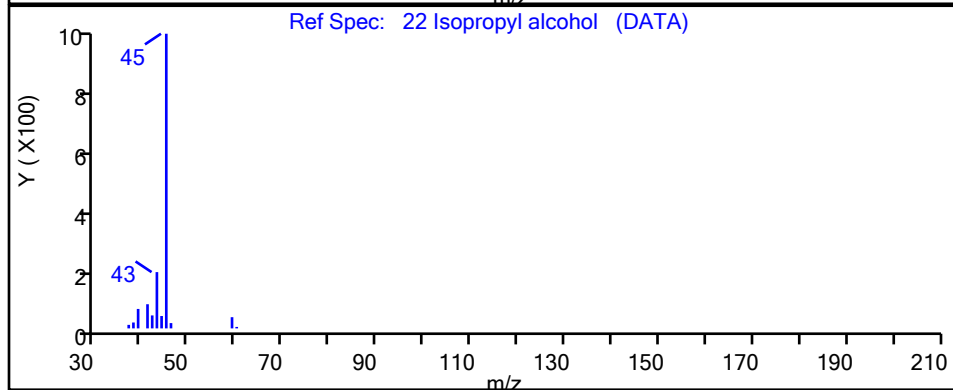
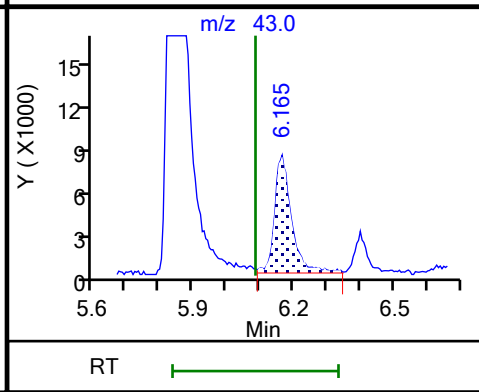
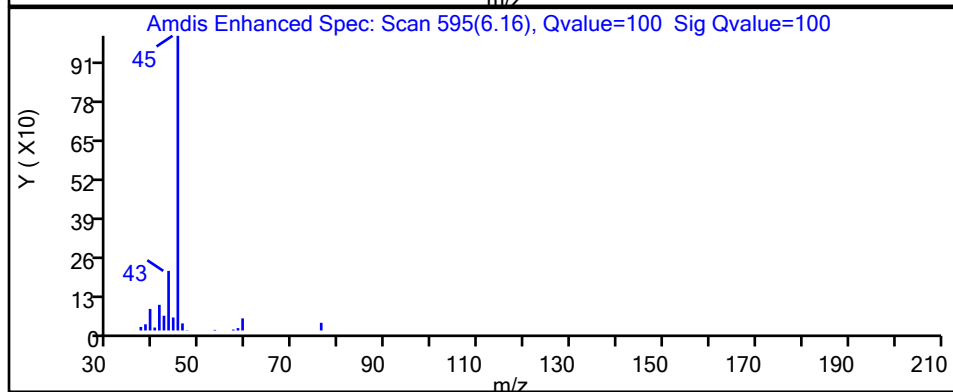
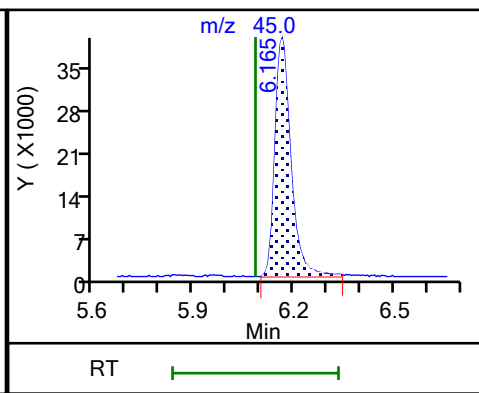
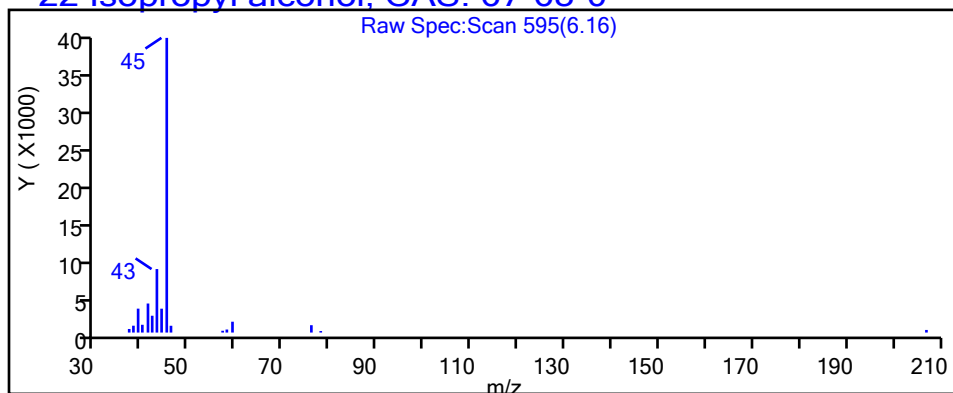
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Isopropyl alcohol, CAS: 67-63-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

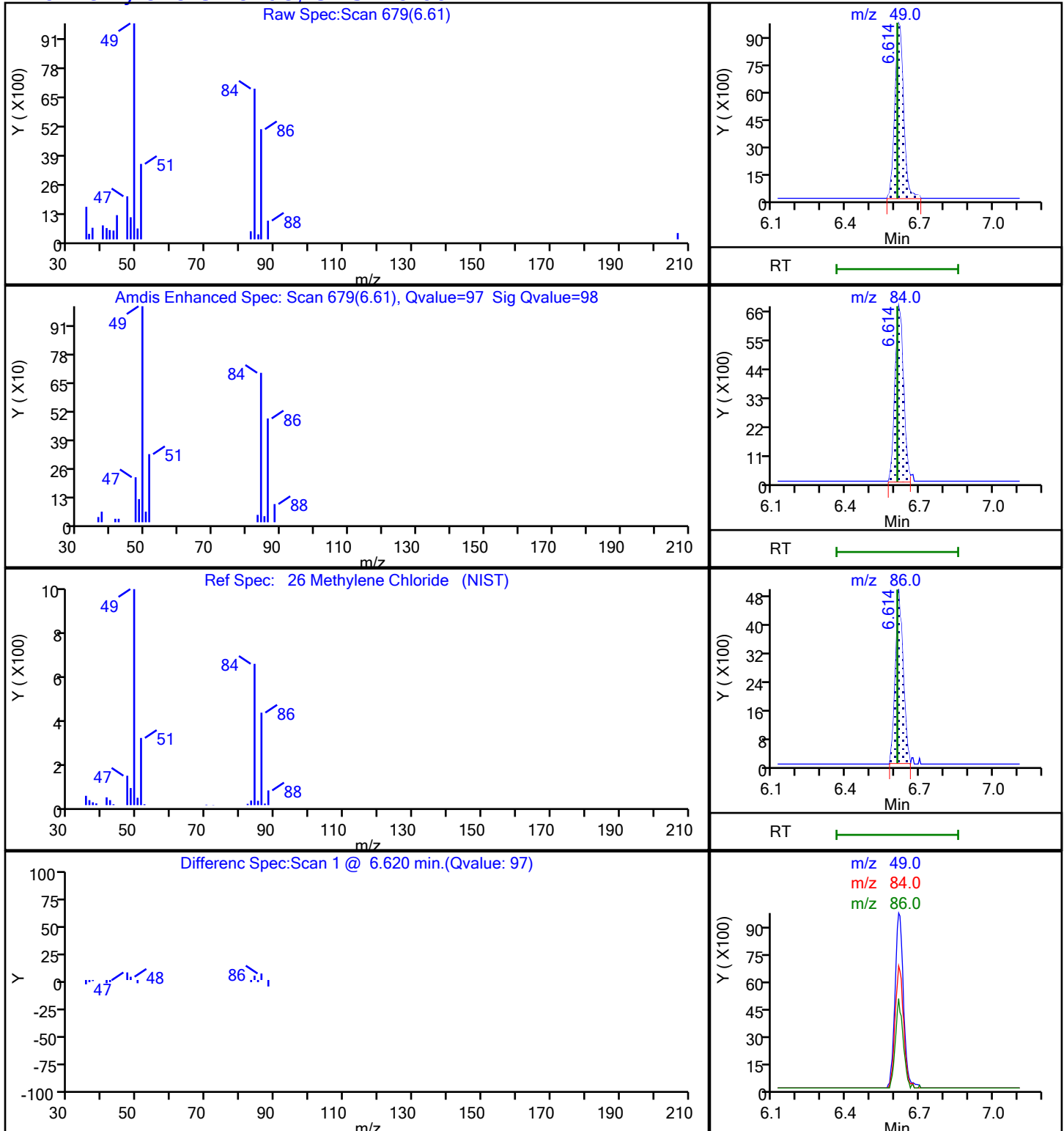
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

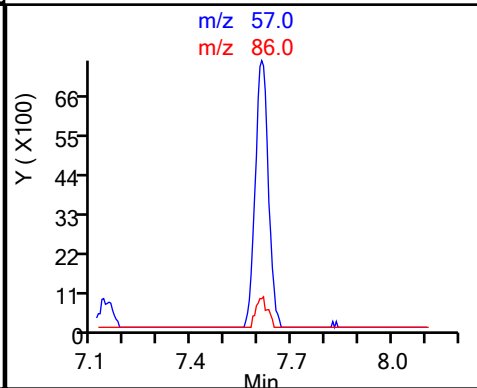
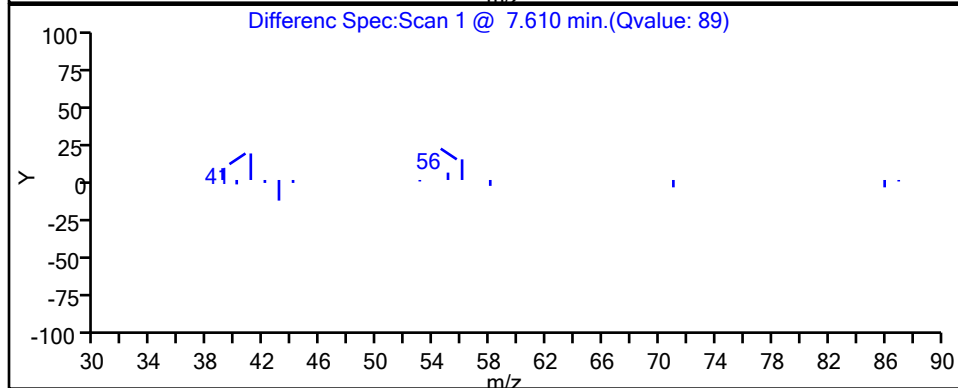
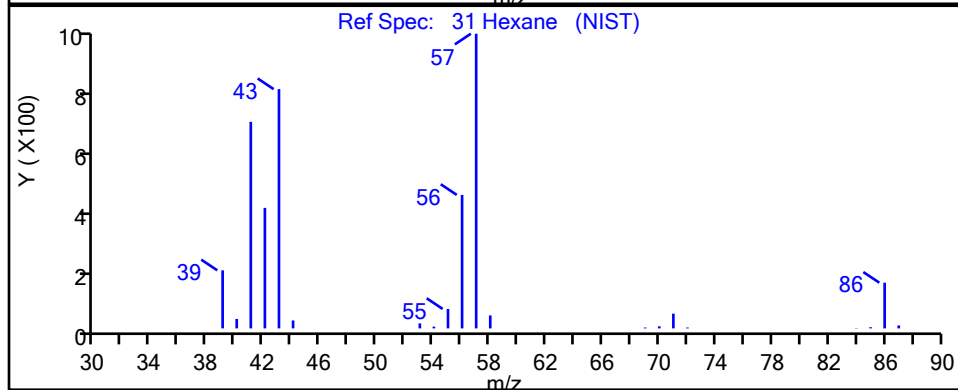
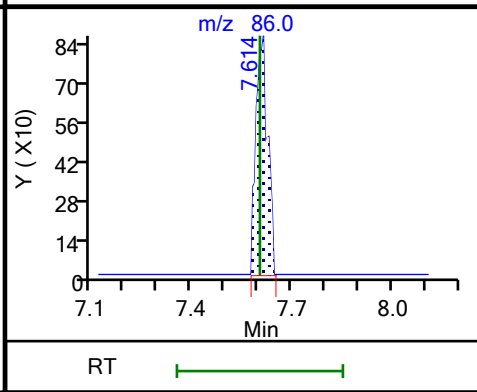
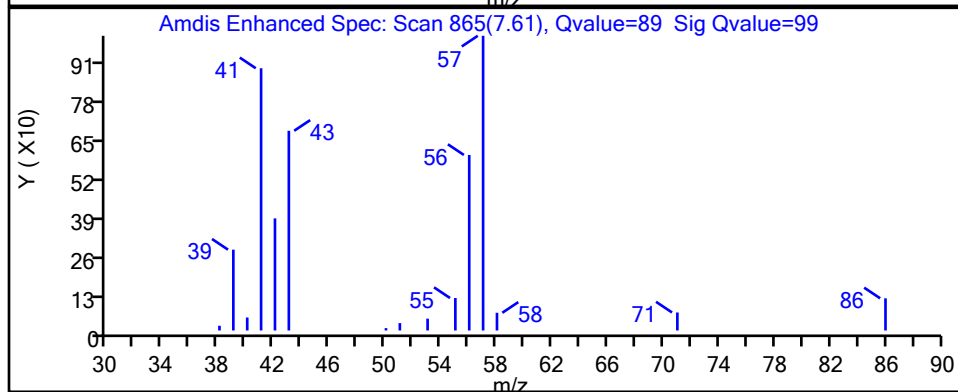
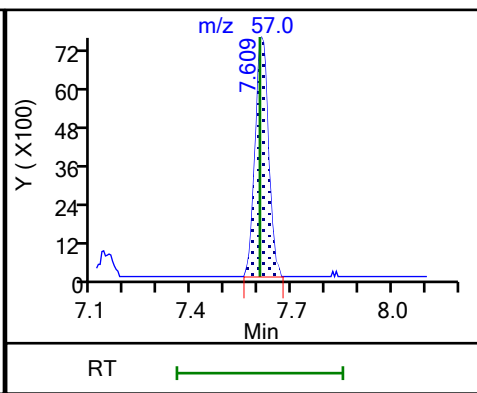
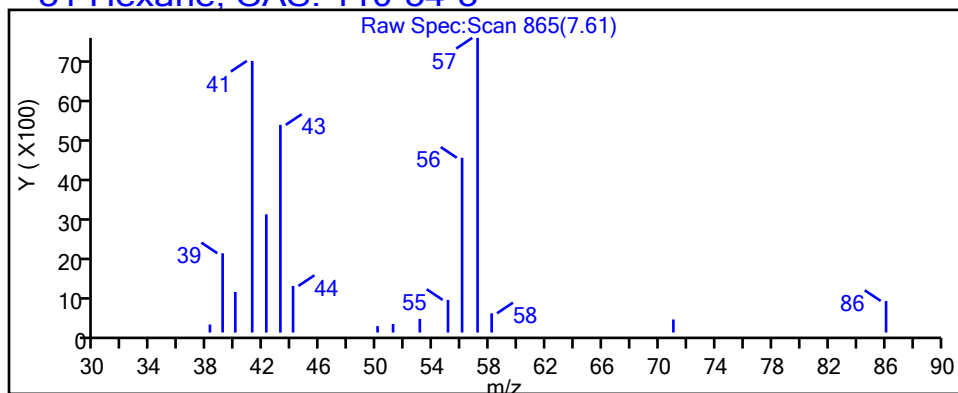
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

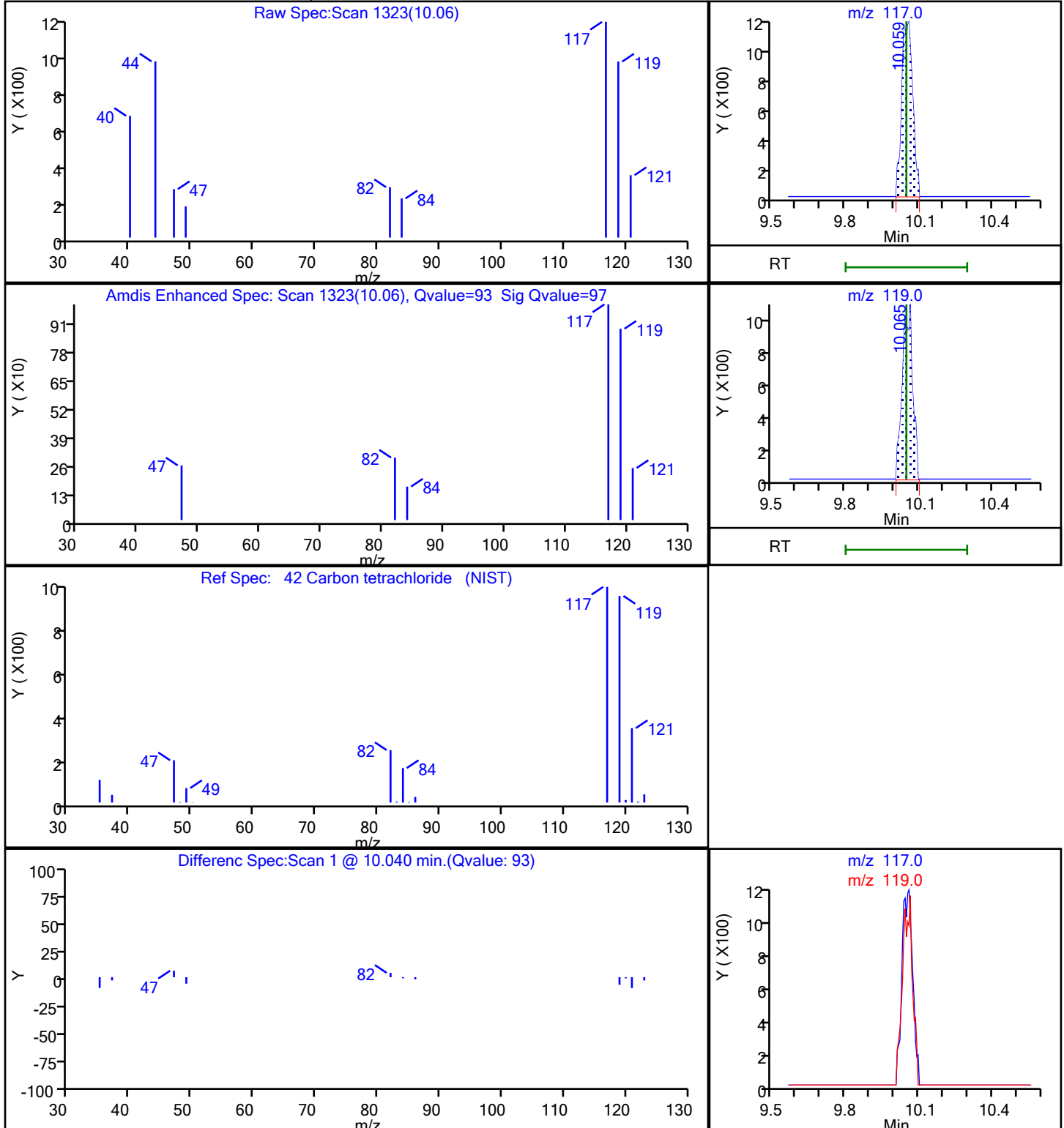
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

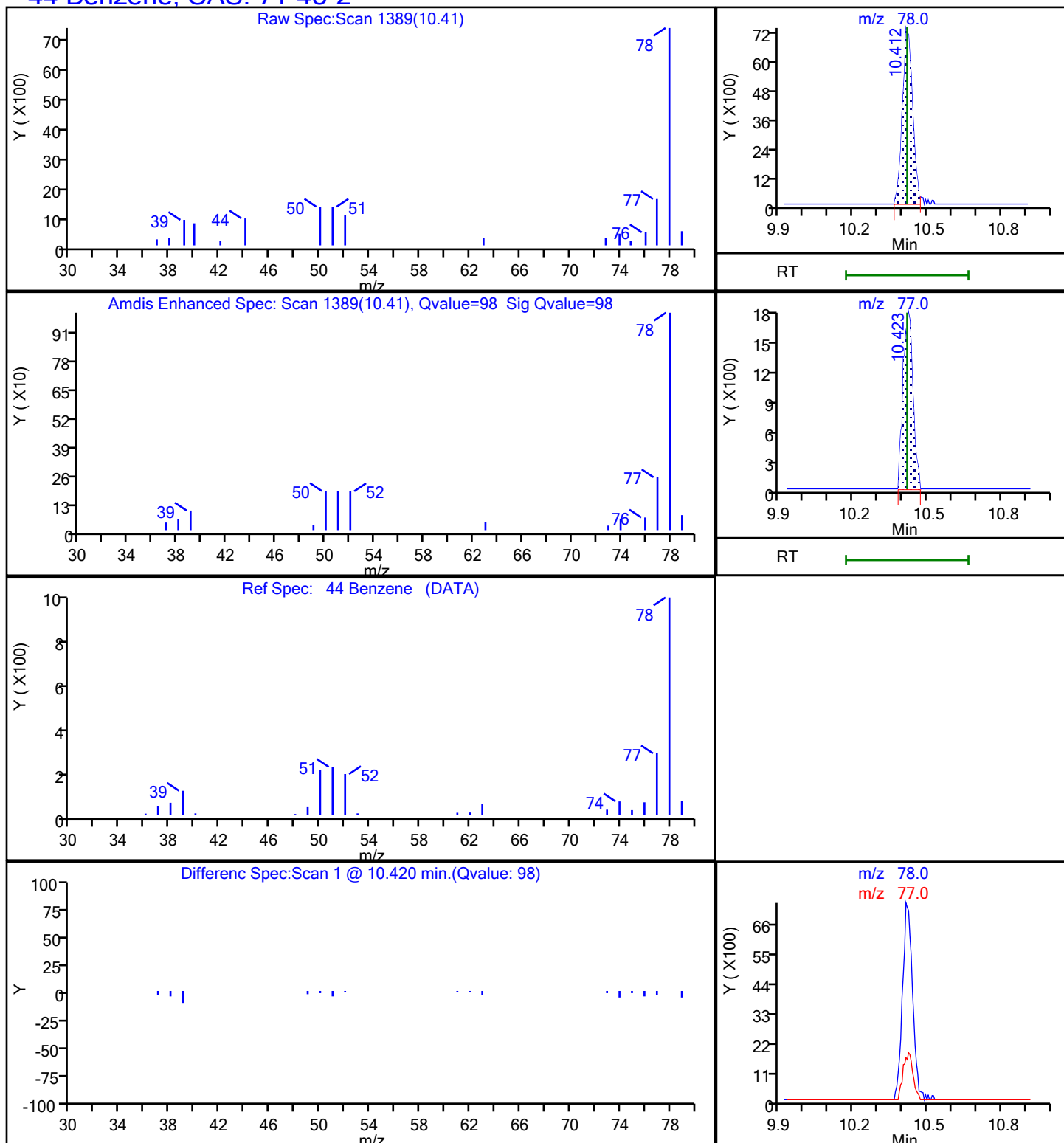
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

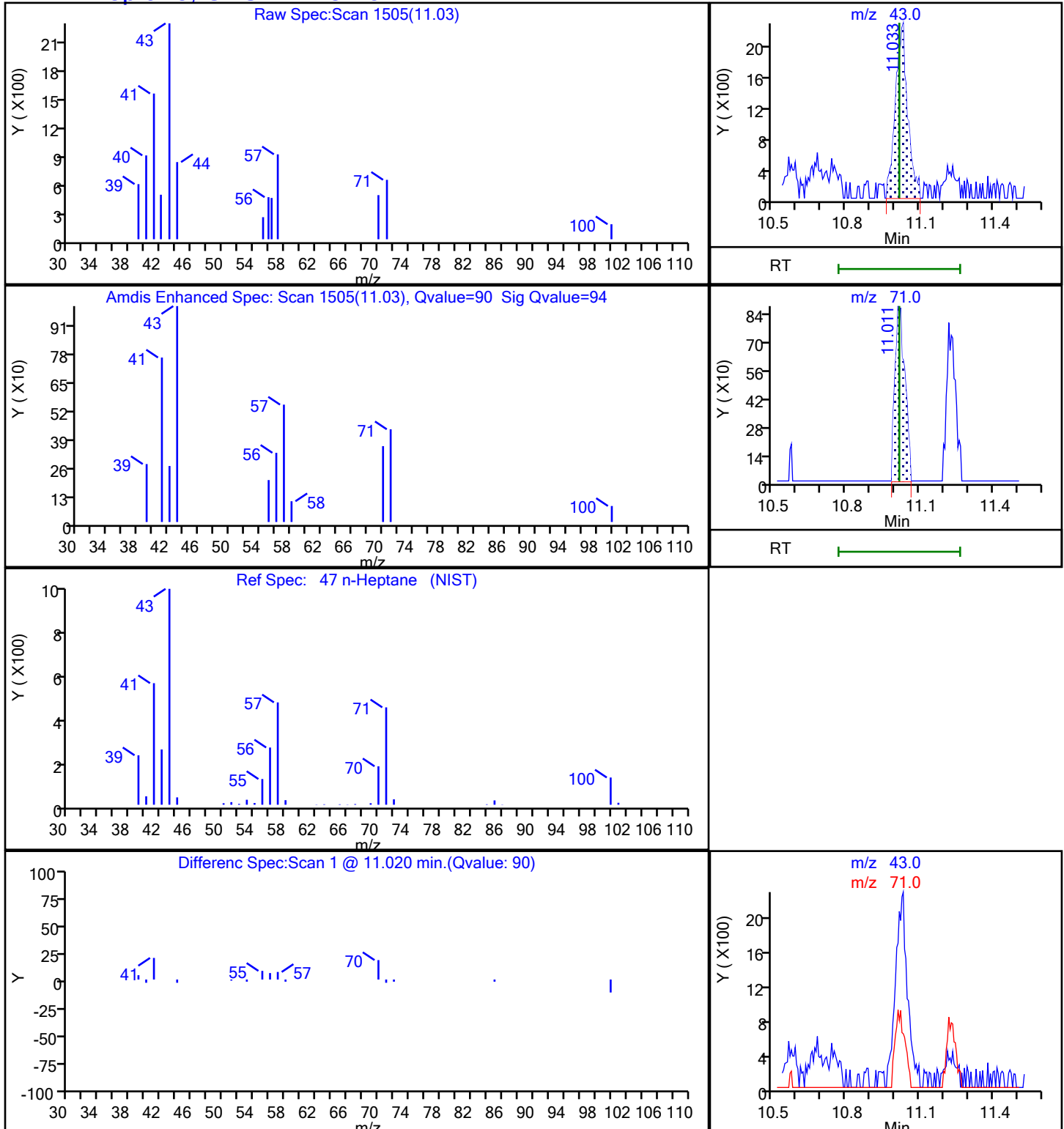
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 n-Heptane, CAS: 142-82-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

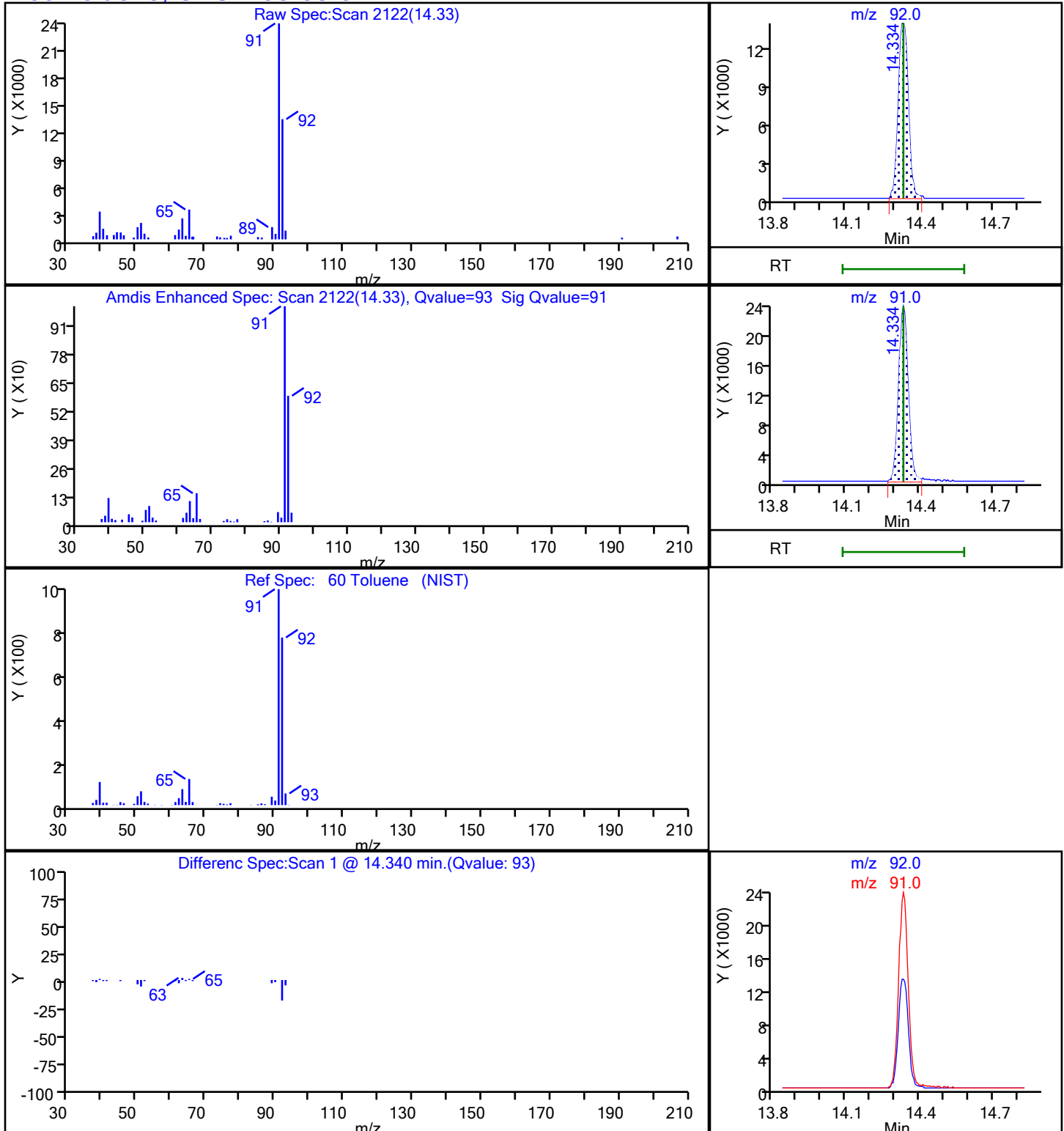
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

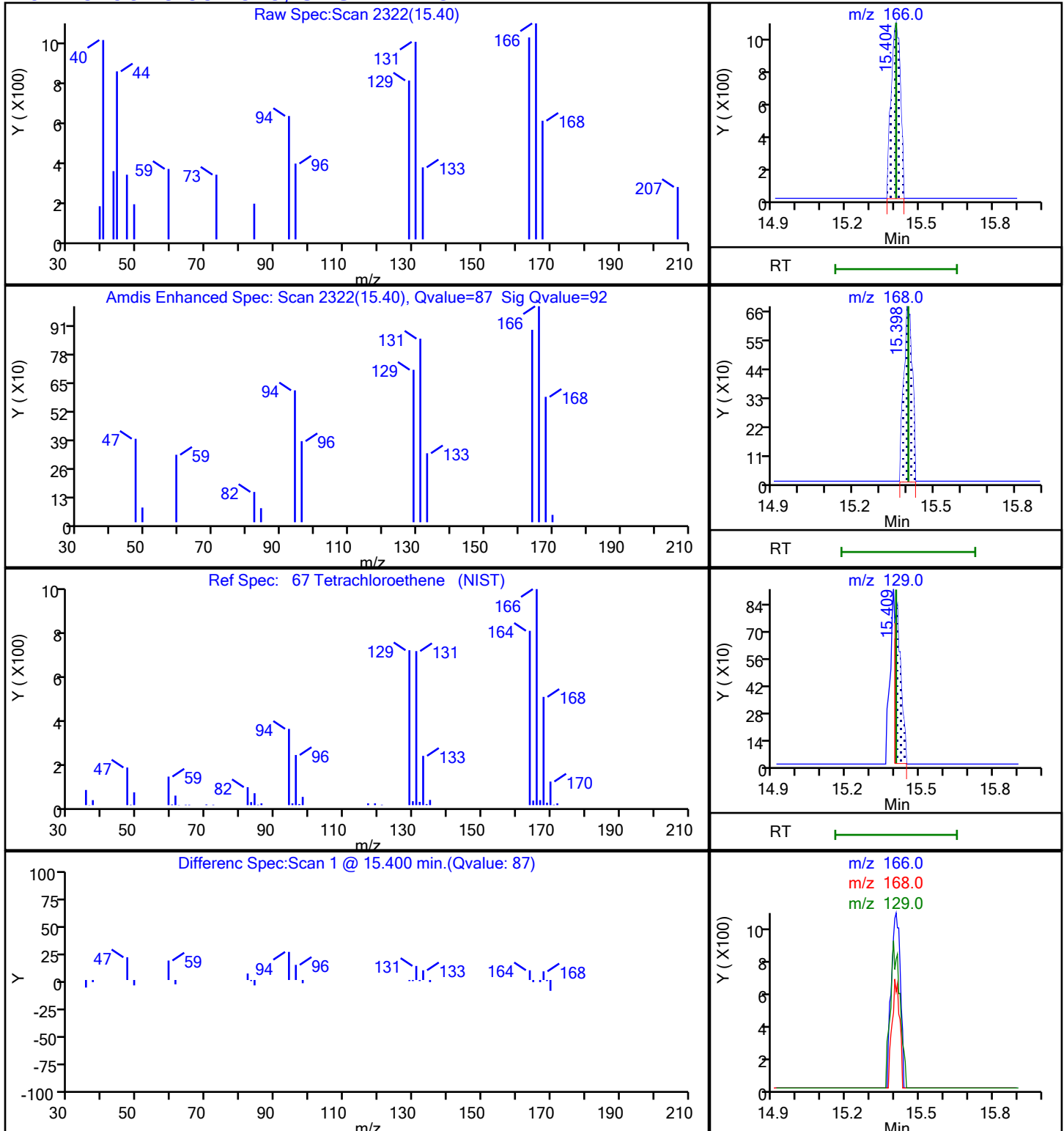
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

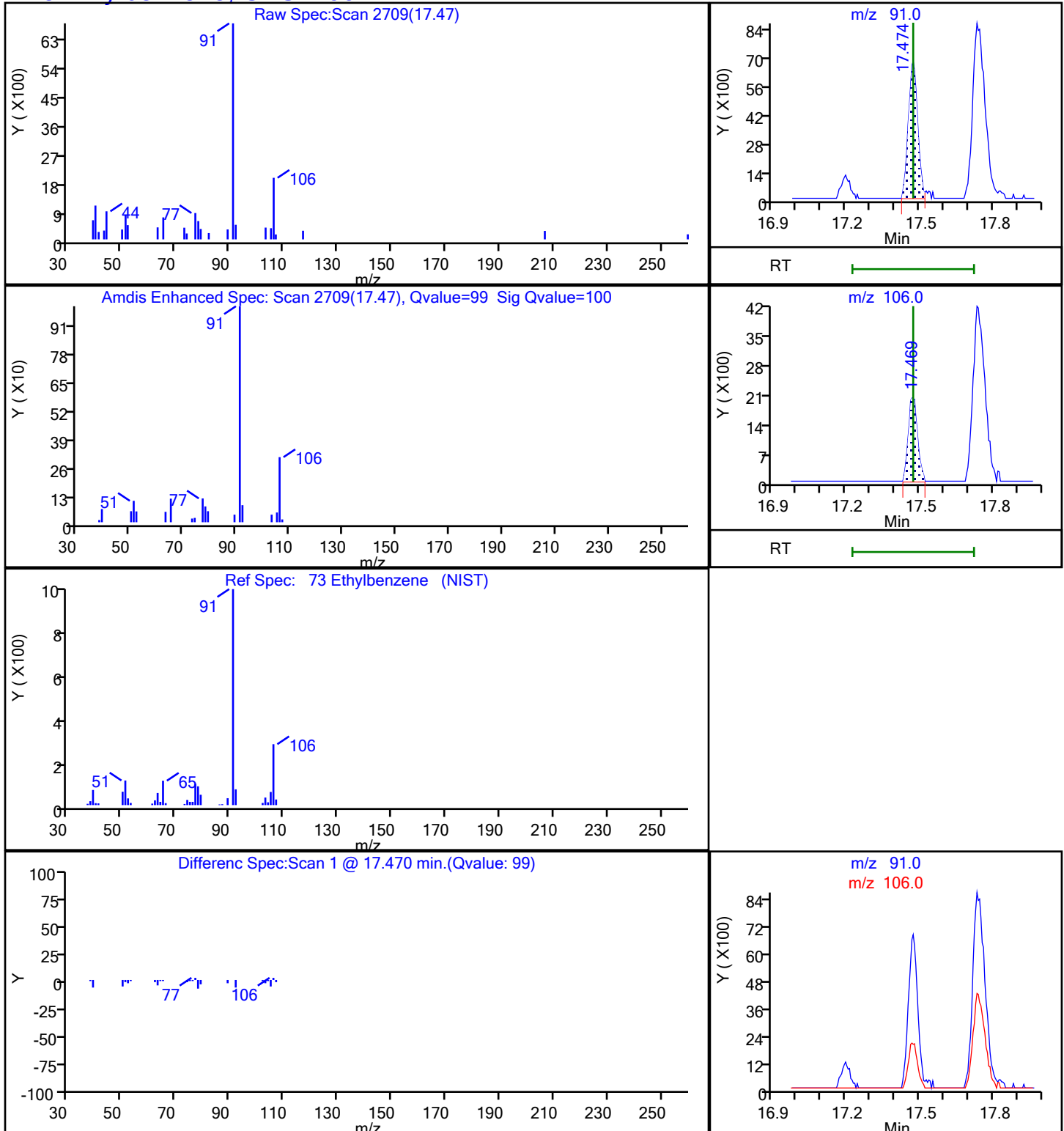
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

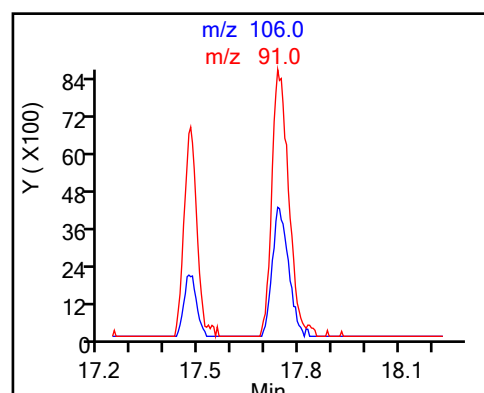
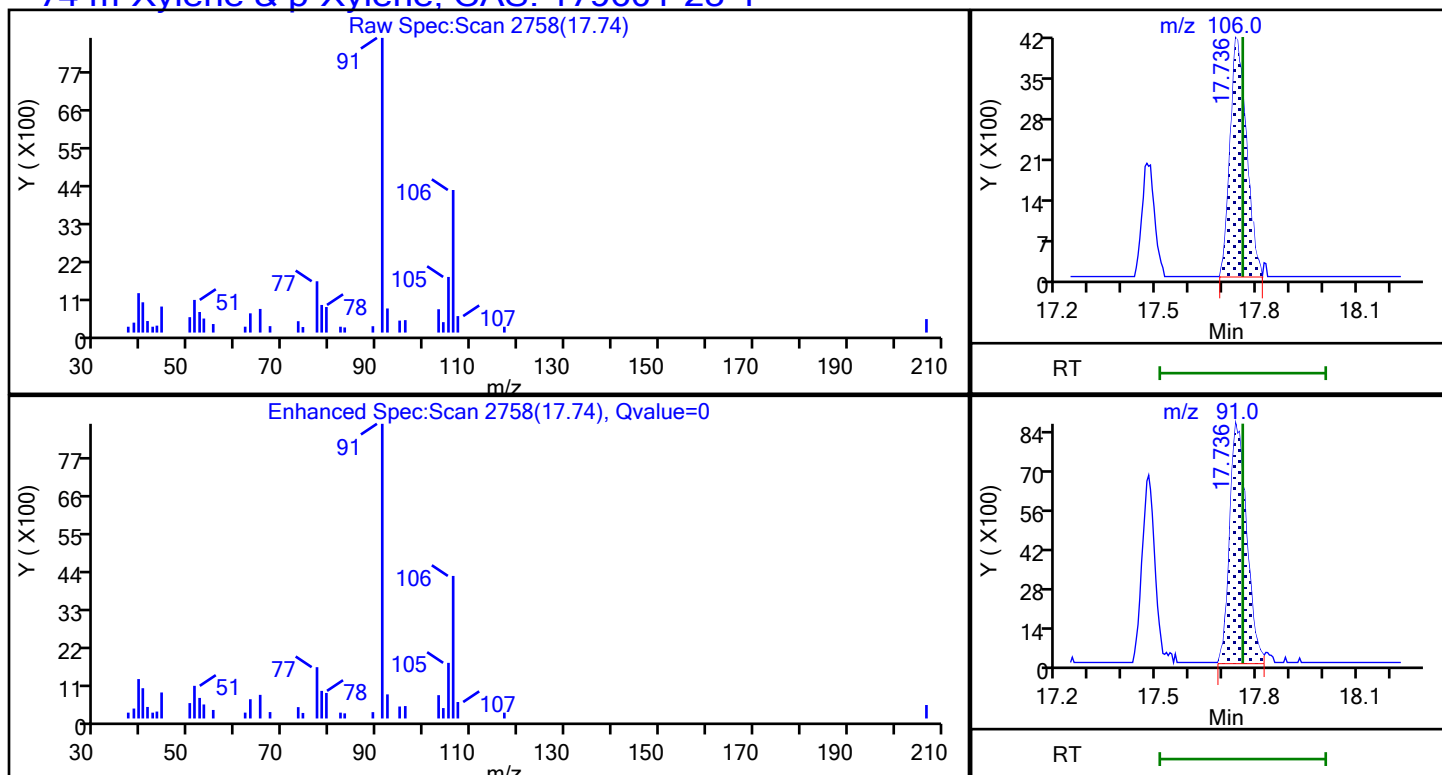
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

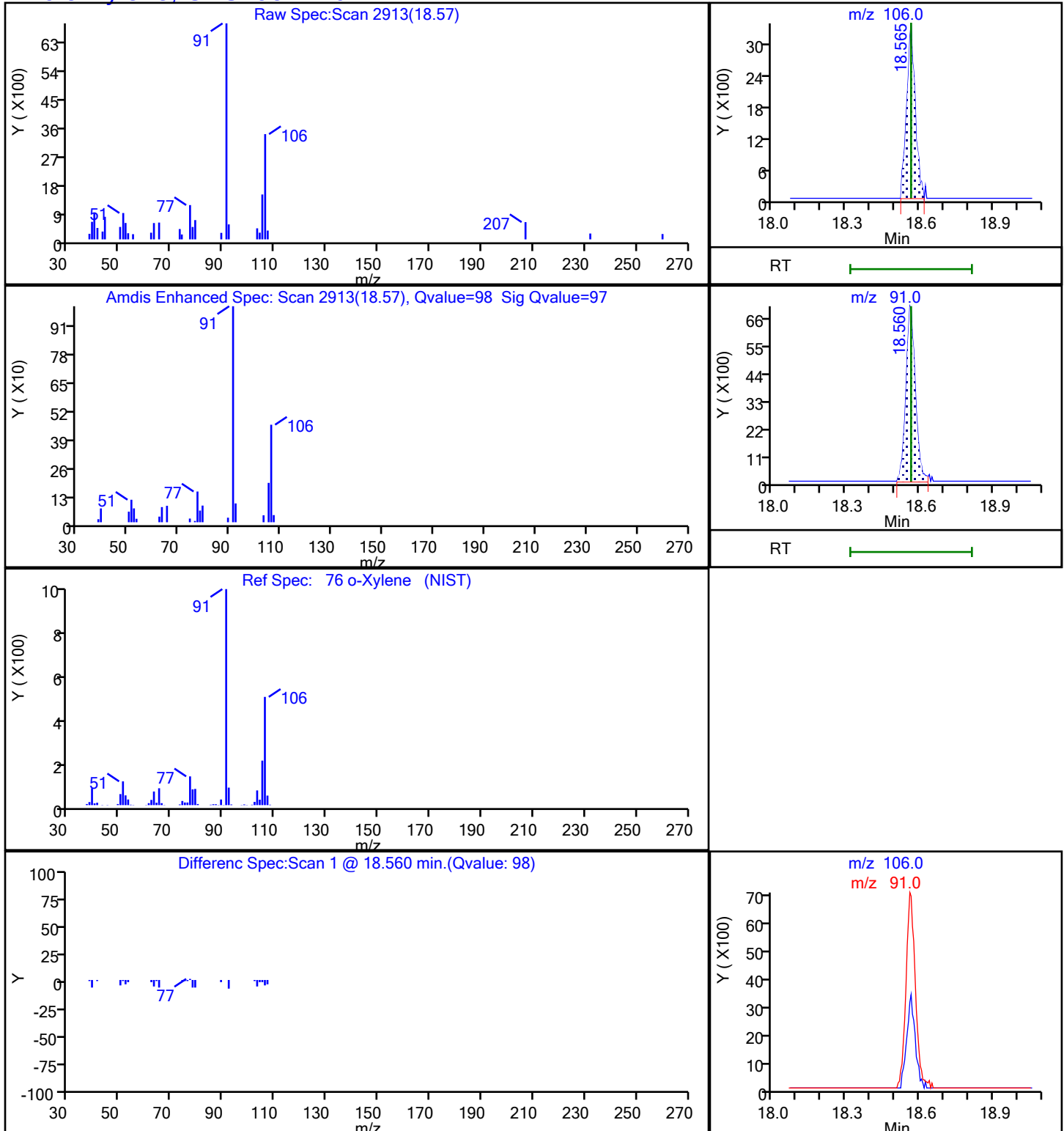
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

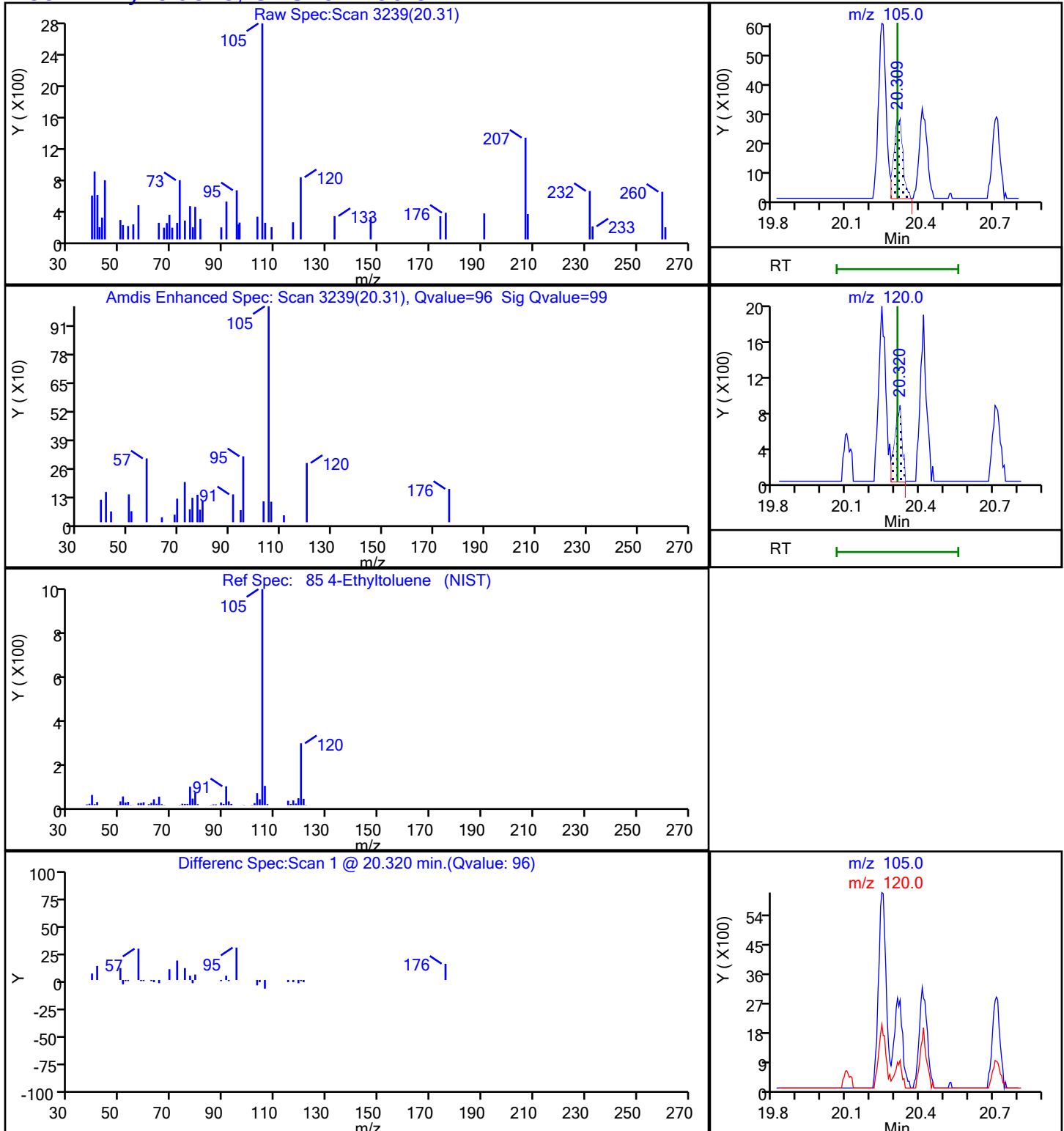
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

85 4-Ethyltoluene, CAS: 622-96-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

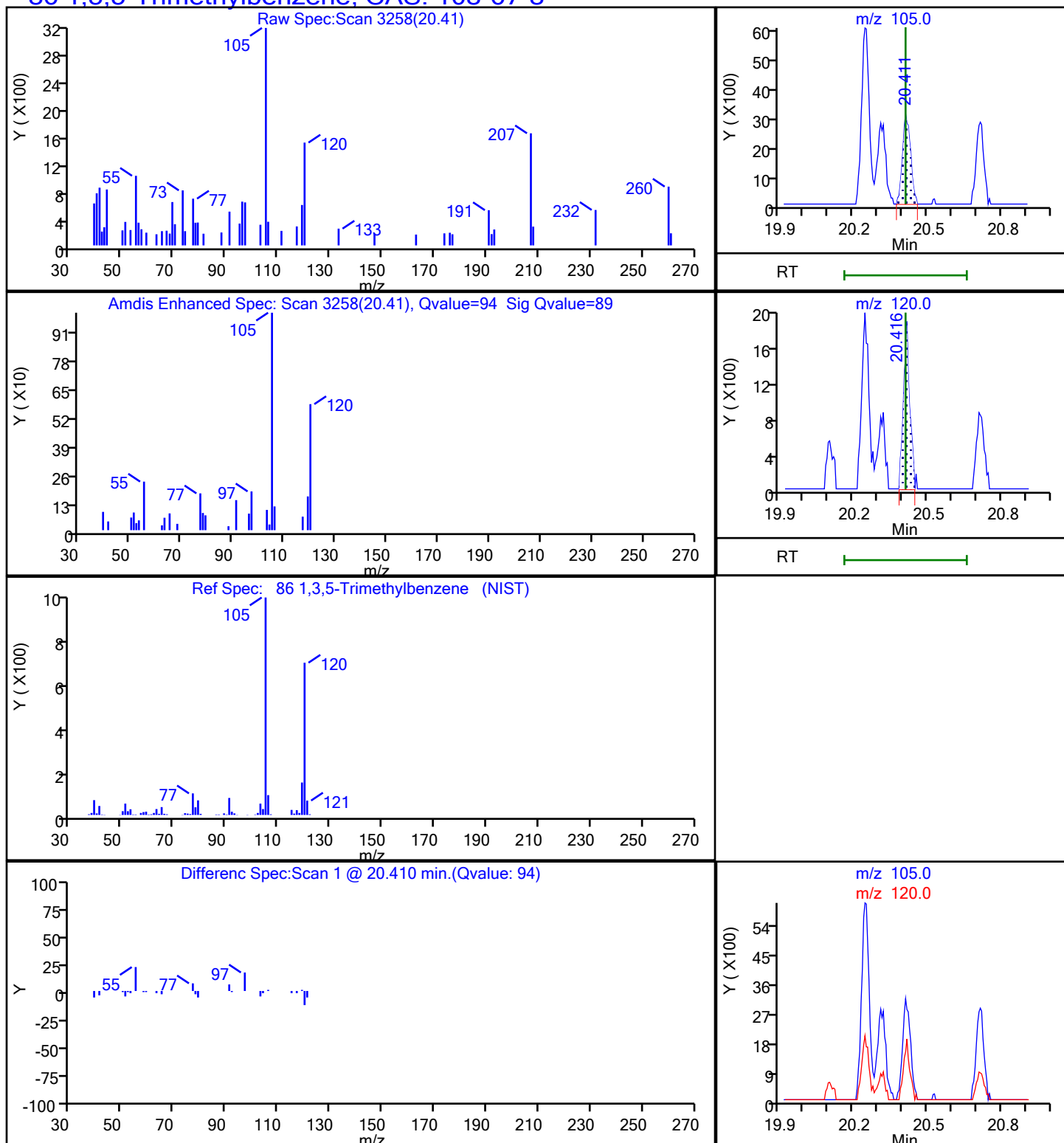
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

86 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

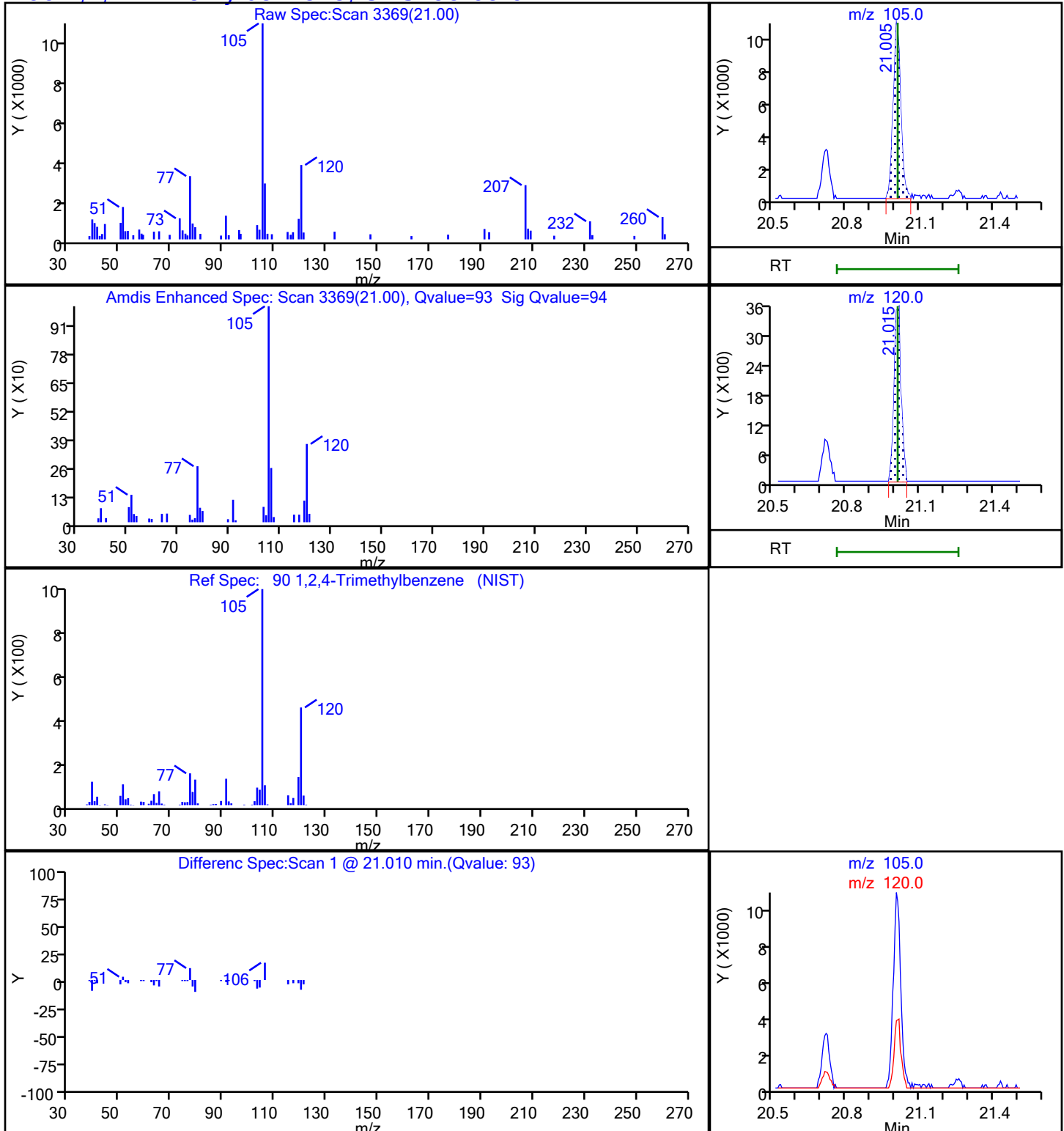
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

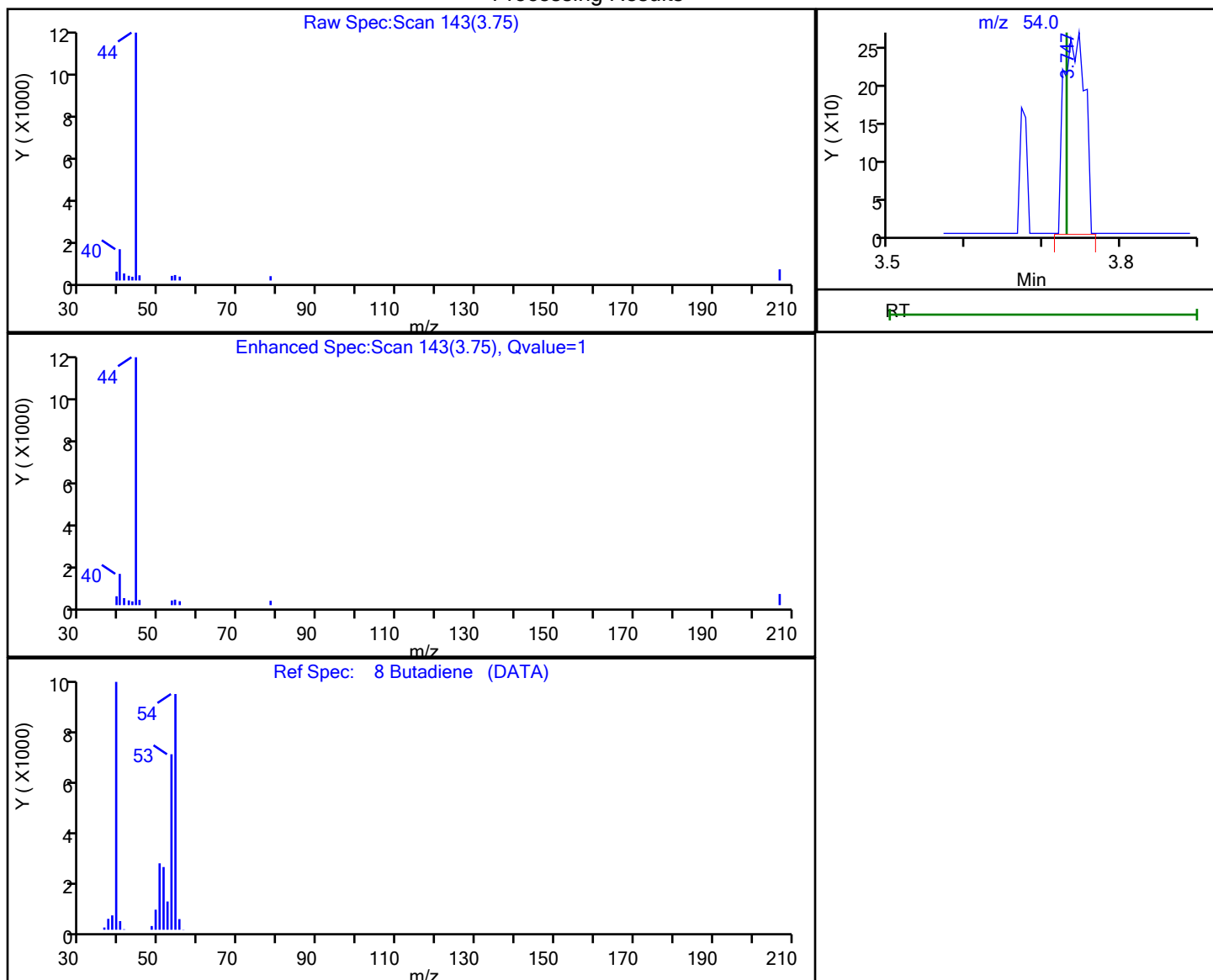
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
3.75	54.00	491	0.026211

Reviewer: BKZ7, 20-Mar-2023 08:38:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

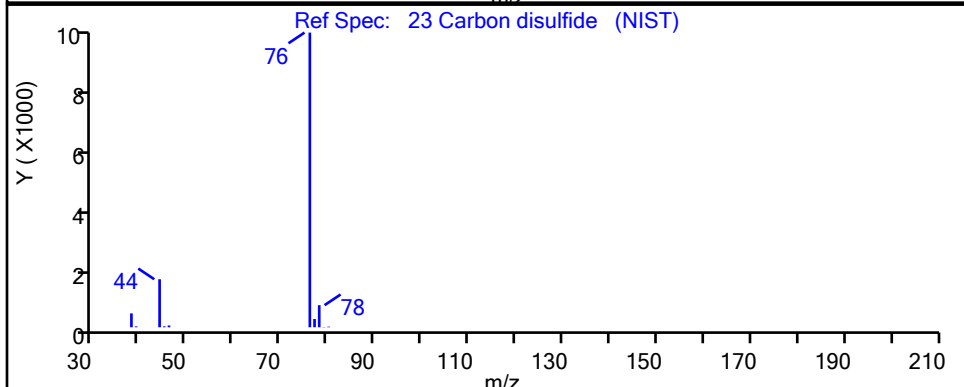
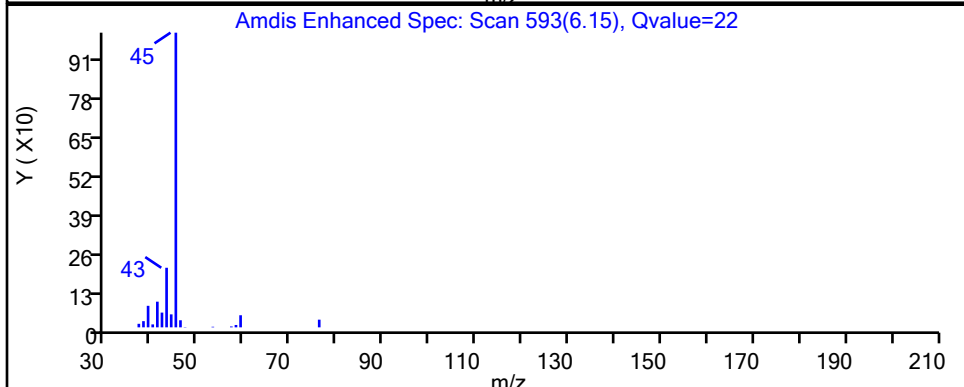
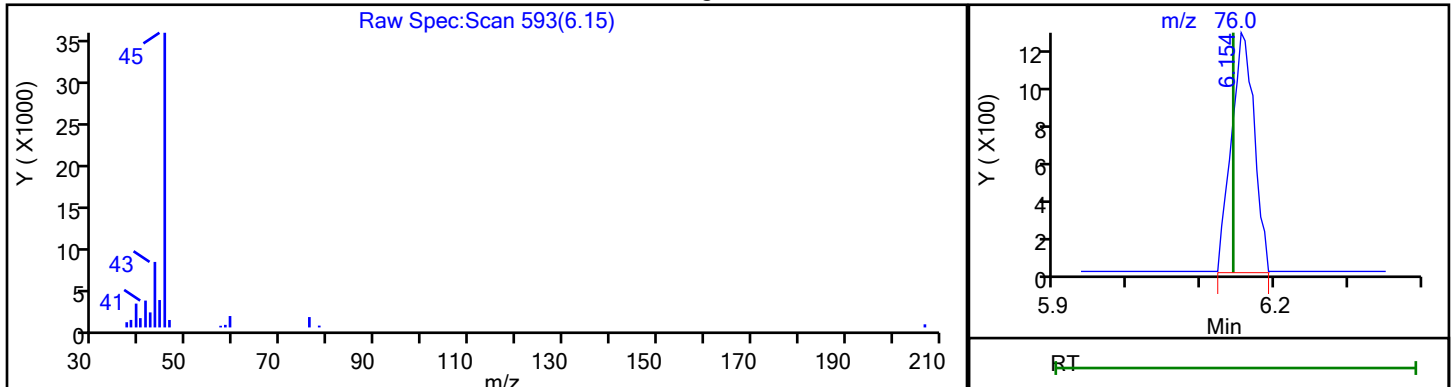
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
6.15	76.00	2677	0.032063

Reviewer: BKZ7, 20-Mar-2023 08:38:01

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#:

18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

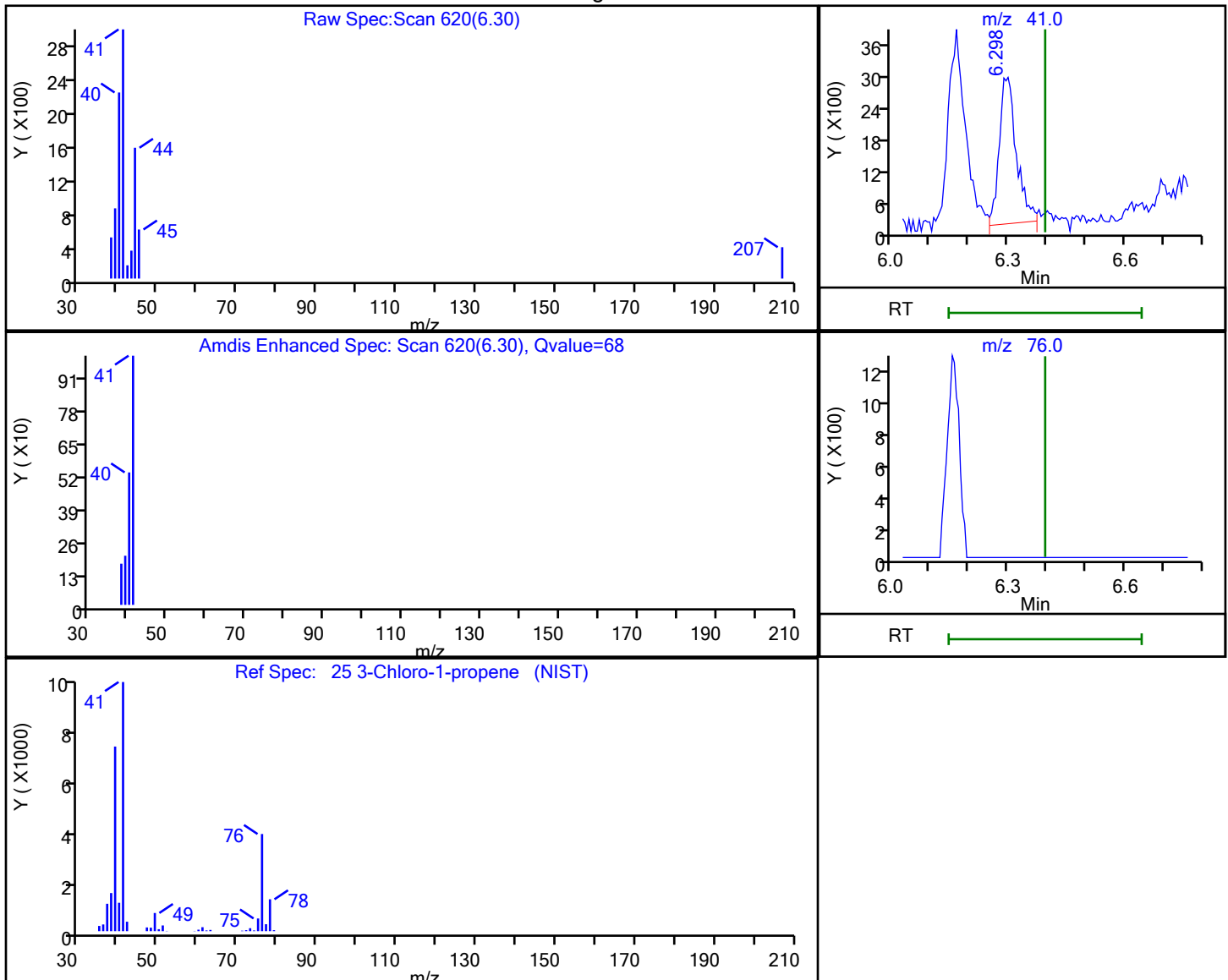
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.30	41.00	8829	0.261512
6.39	76.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:37:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

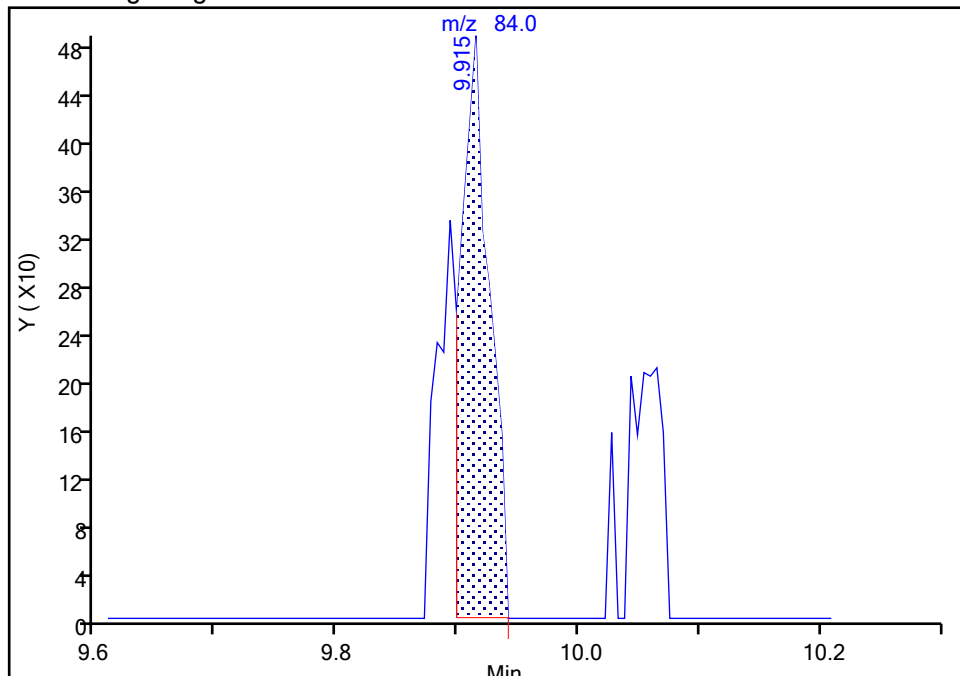
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D
Injection Date: 20-Mar-2023 01:41:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-2 Lab Sample ID: 200-67137-2
Client ID: BANK-2
Operator ID: vtp ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

41 Cyclohexane, CAS: 110-82-7

Signal: 1

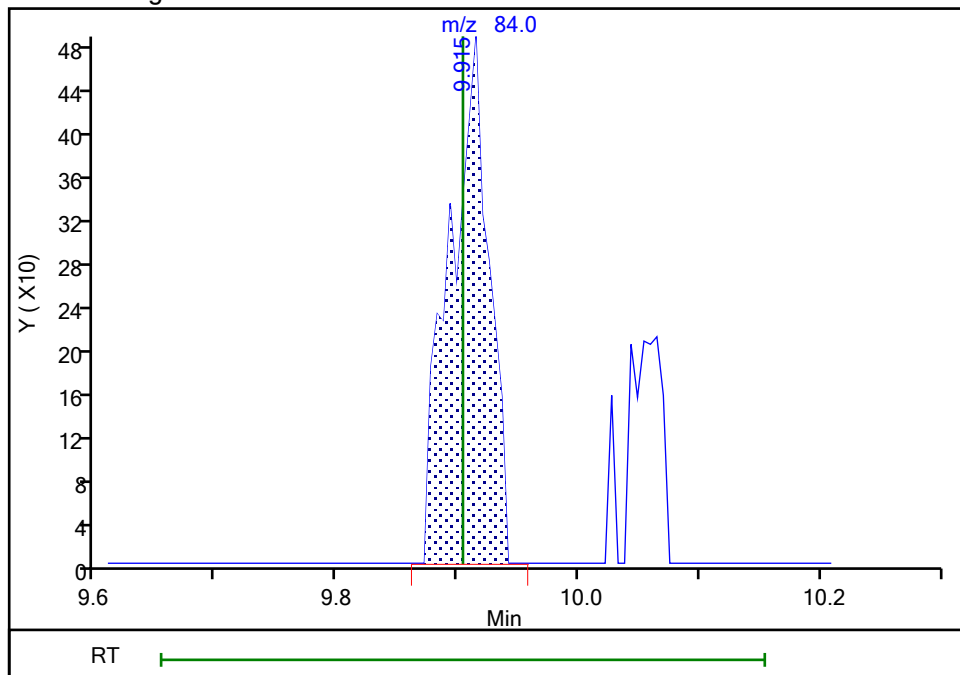
RT: 9.91
Area: 790
Amount: 0.019749
Amount Units: ppb v/v

Processing Integration Results



RT: 9.91
Area: 1100
Amount: 0.027498
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 20-Mar-2023 08:37:44

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

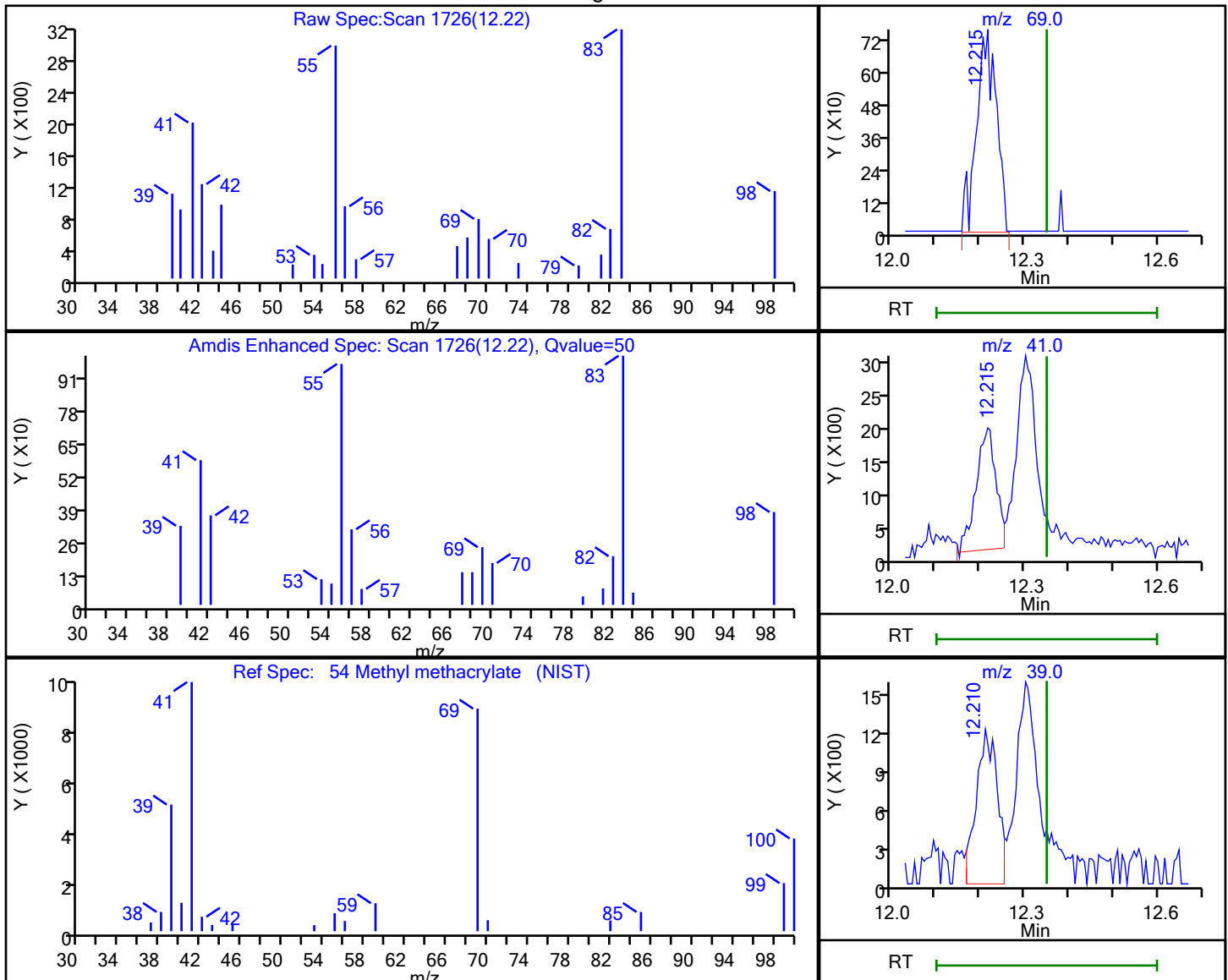
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
12.22	69.00	2325	0.066666
12.22	41.00	5891	
12.21	39.00	3904	

Reviewer: BKZ7, 20-Mar-2023 08:37:24

Audit Action: Marked Compound Undetected

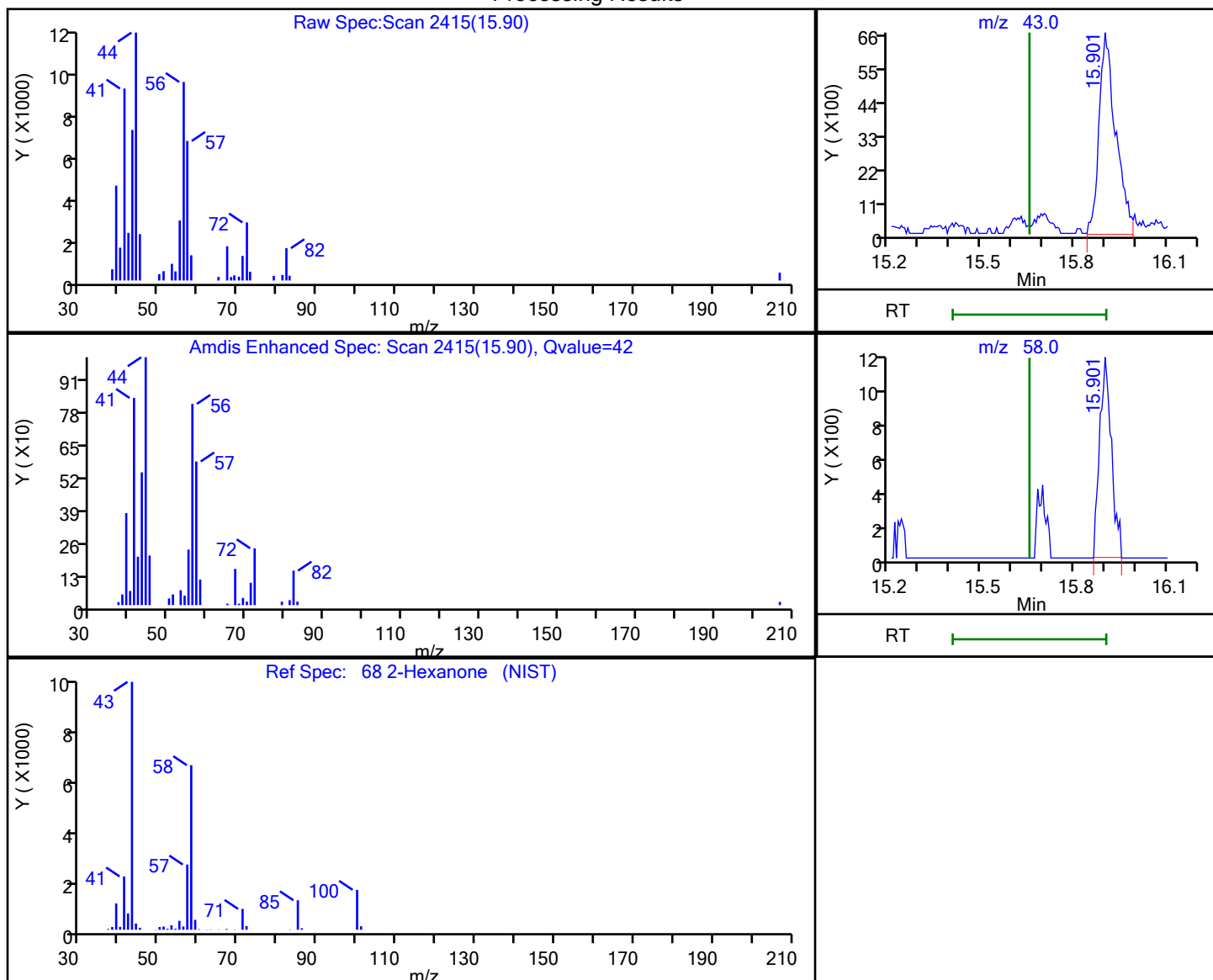
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D
Injection Date: 20-Mar-2023 01:41:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-2 Lab Sample ID: 200-67137-2
Client ID: BANK-2
Operator ID: vtp ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
15.90	43.00	25006	0.291180
15.90	58.00	2981	

Reviewer: BKZ7, 20-Mar-2023 08:37:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18 Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

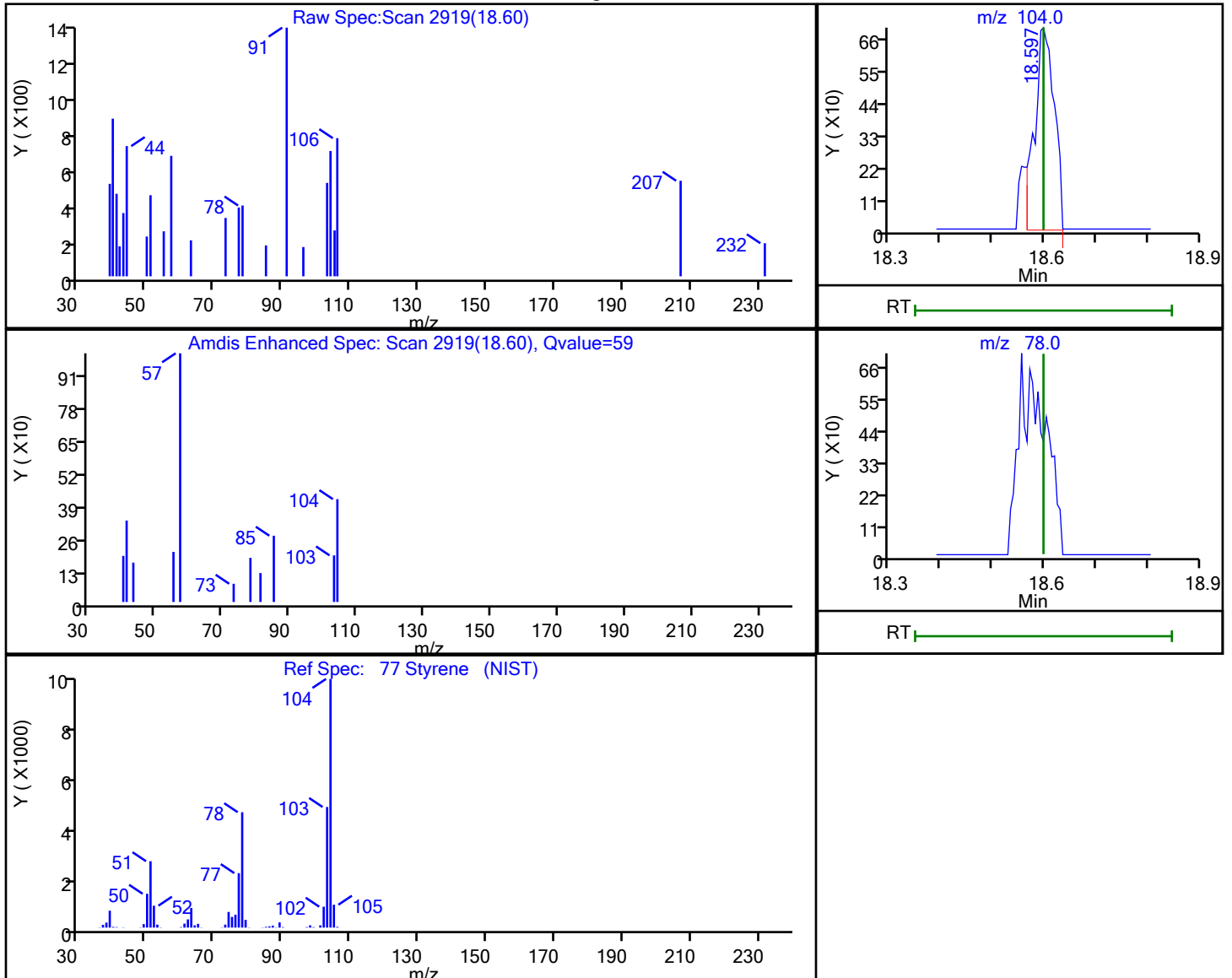
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

77 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
18.60	104.00	1832	0.022428
18.60	78.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:37:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

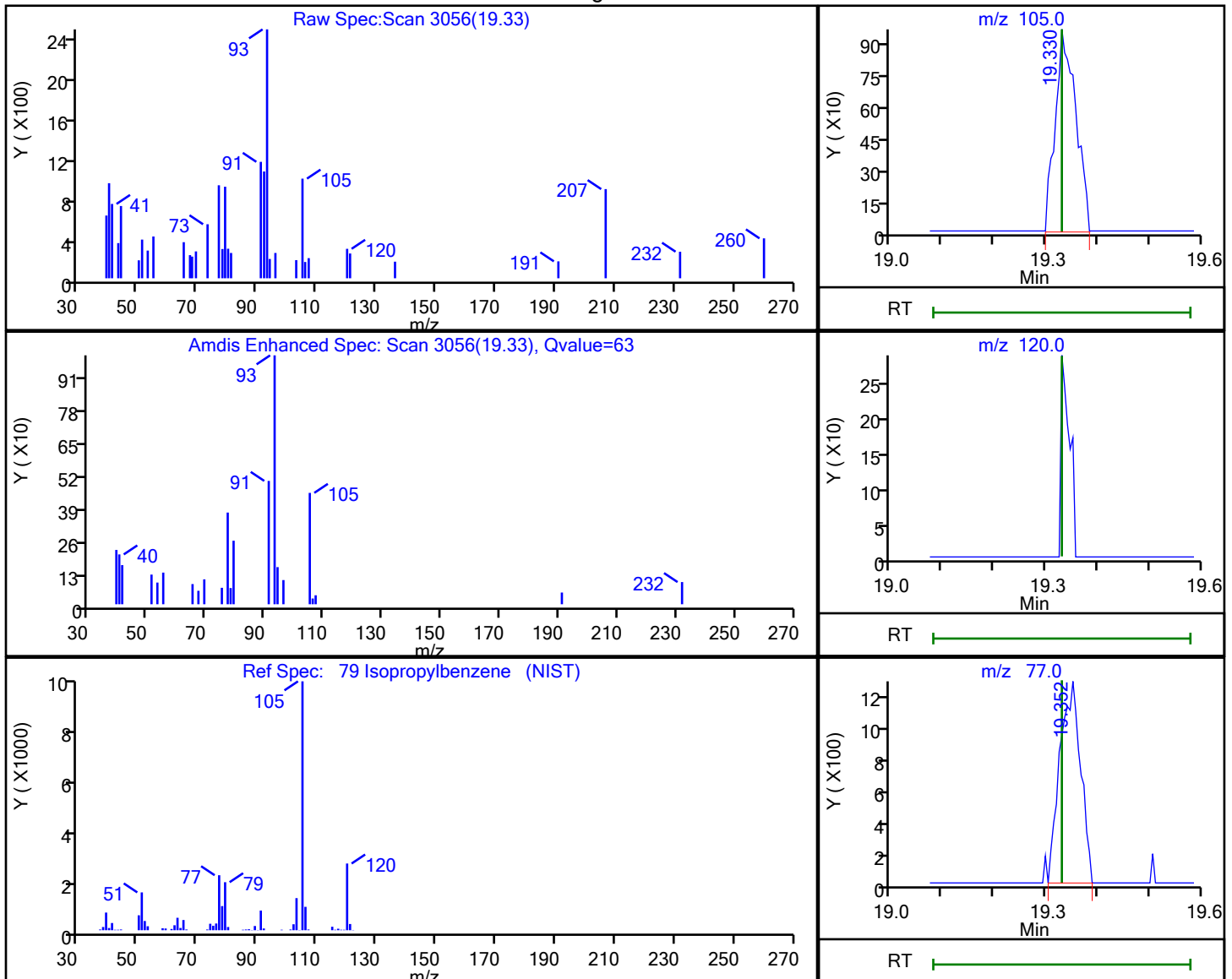
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
19.33	105.00	2654	0.018295
19.33	120.00	0	
19.35	77.00	3428	

Reviewer: BKZ7, 20-Mar-2023 08:37:08

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#:

18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

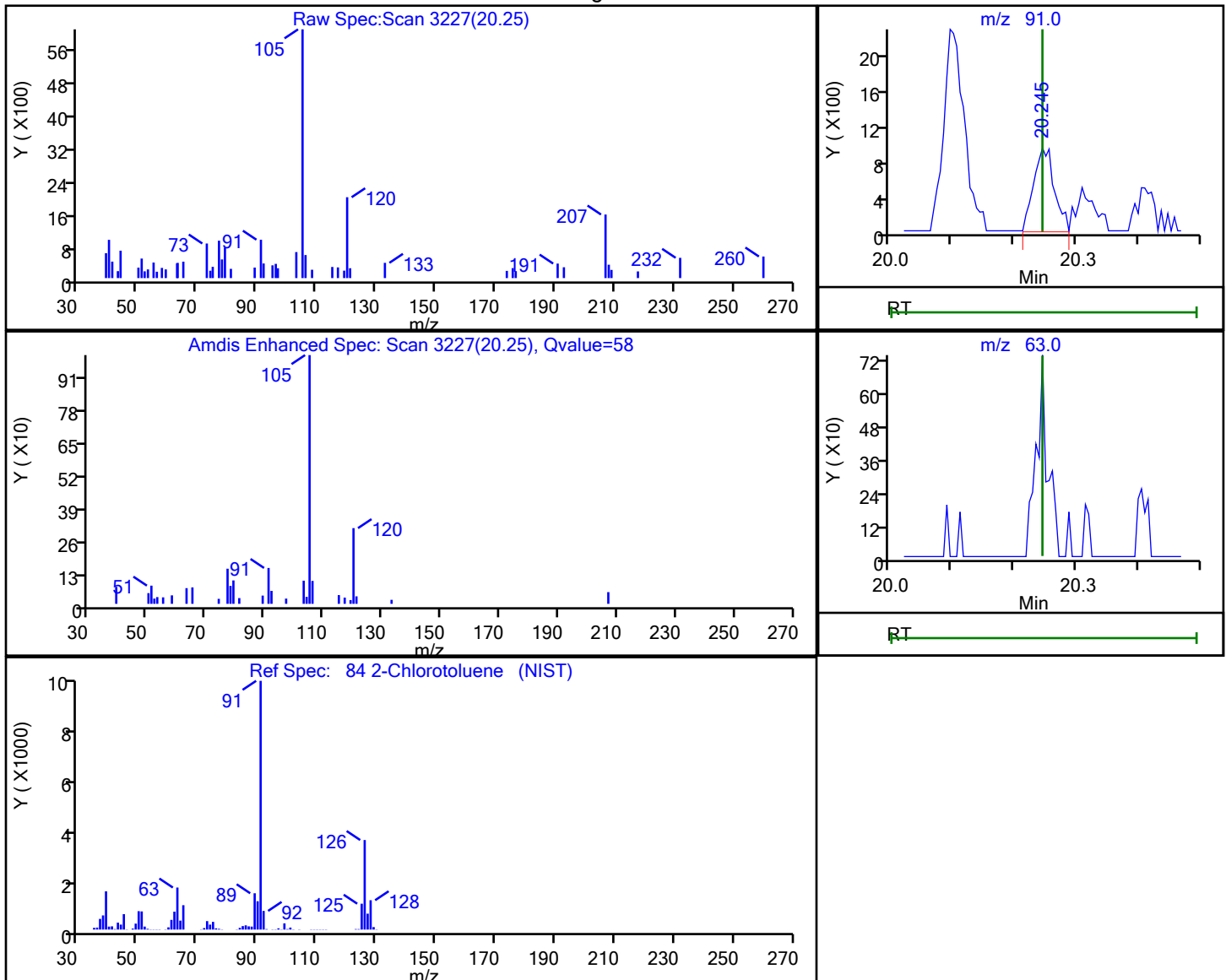
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

84 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
20.25	91.00	2175	0.018412
20.24	63.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:37:03

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#:

18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

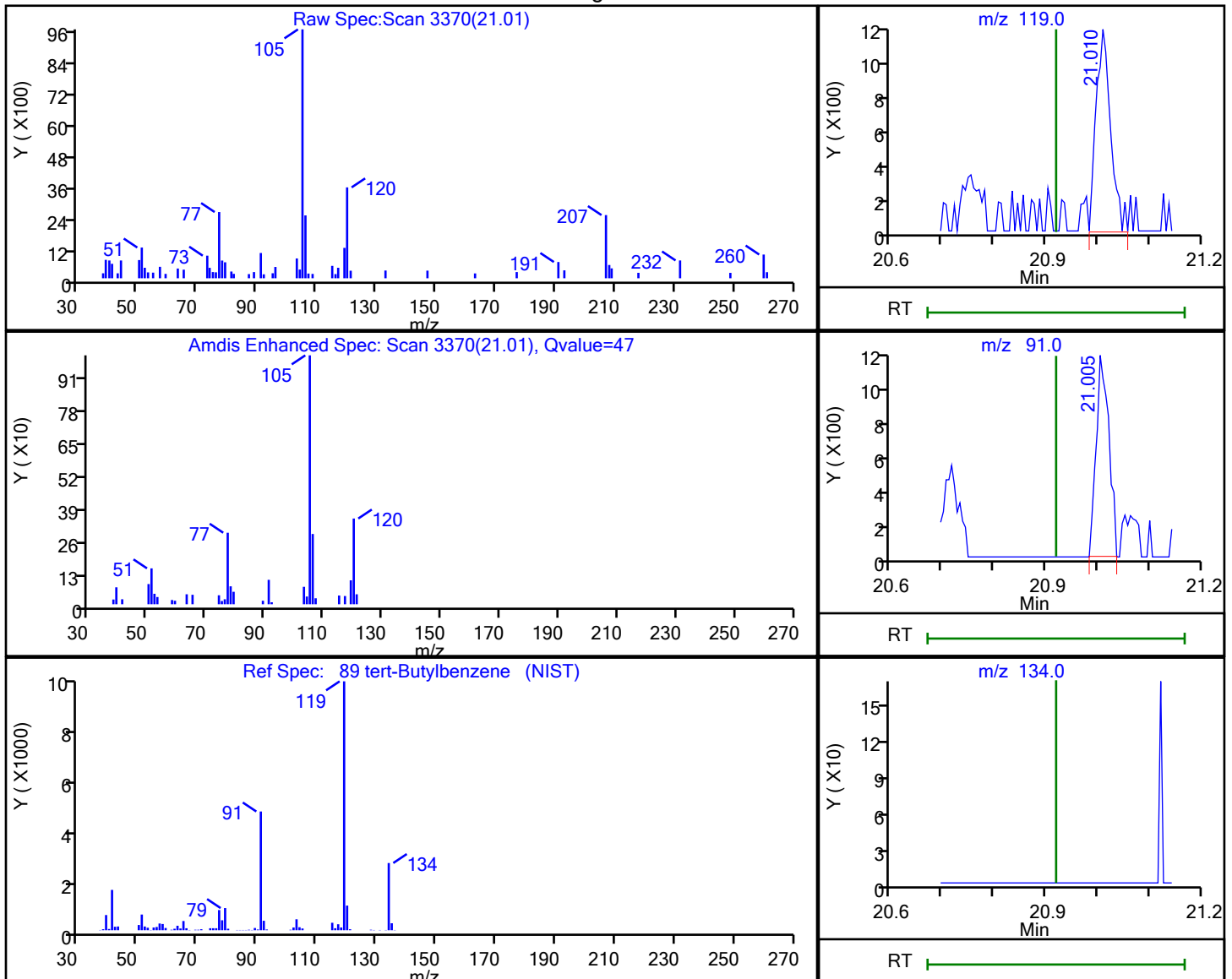
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

89 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
21.01	119.00	2322	0.022610
21.00	91.00	1908	
20.92	134.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:36:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-019.D

Injection Date: 20-Mar-2023 01:41:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-2

Lab Sample ID: 200-67137-2

Client ID: BANK-2

Operator ID: vtp

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

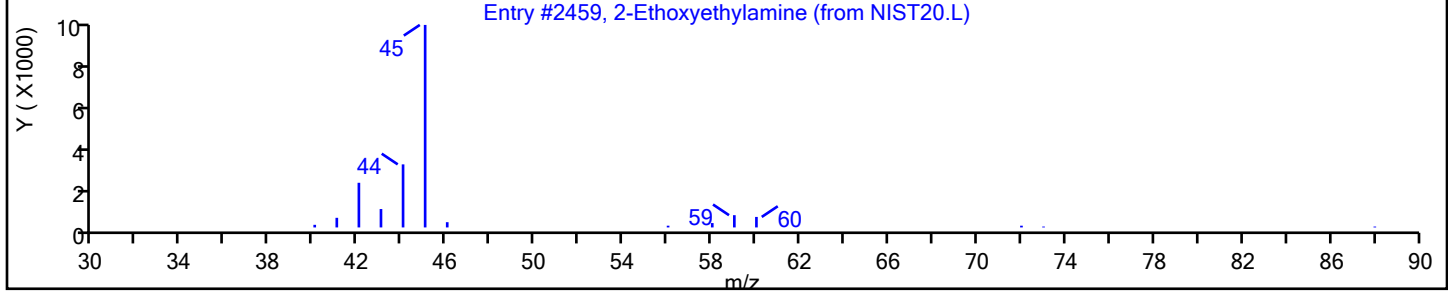
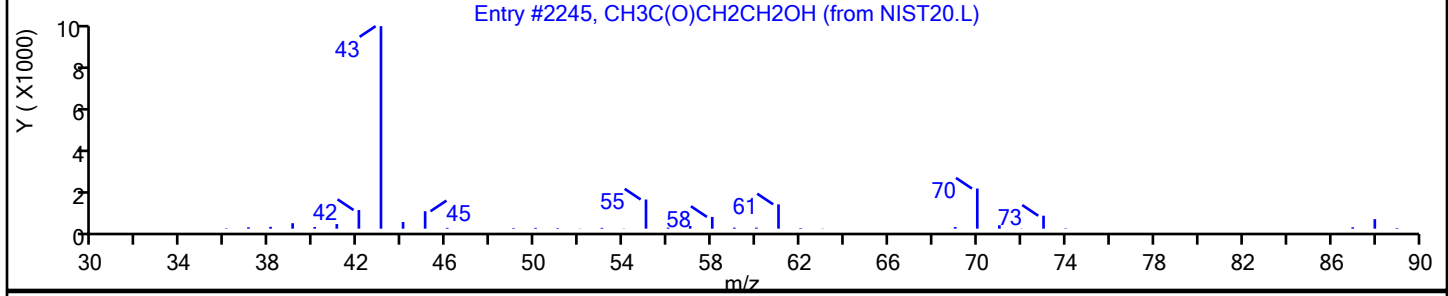
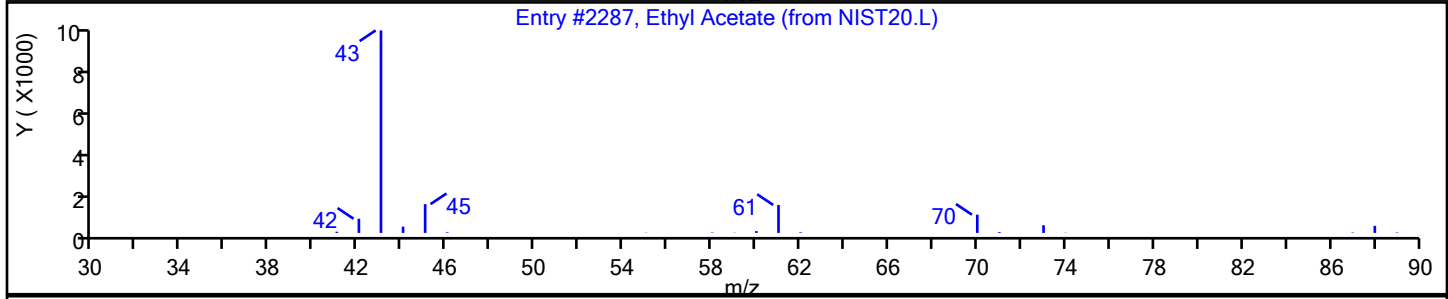
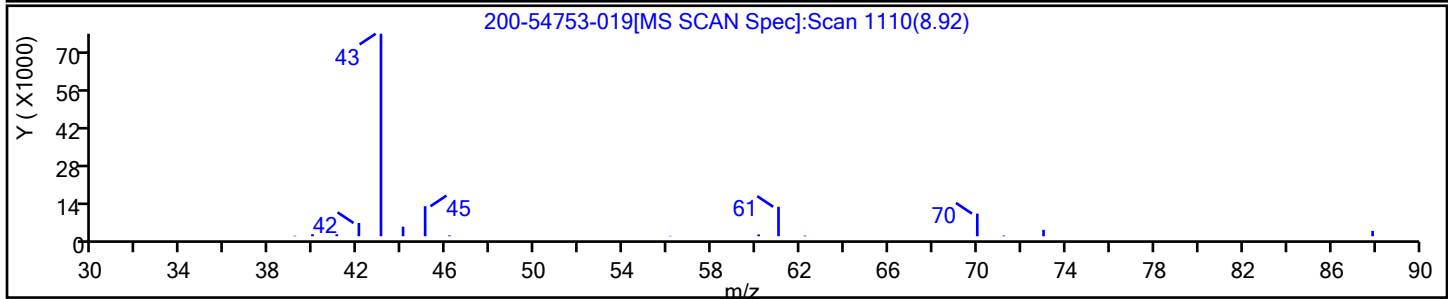
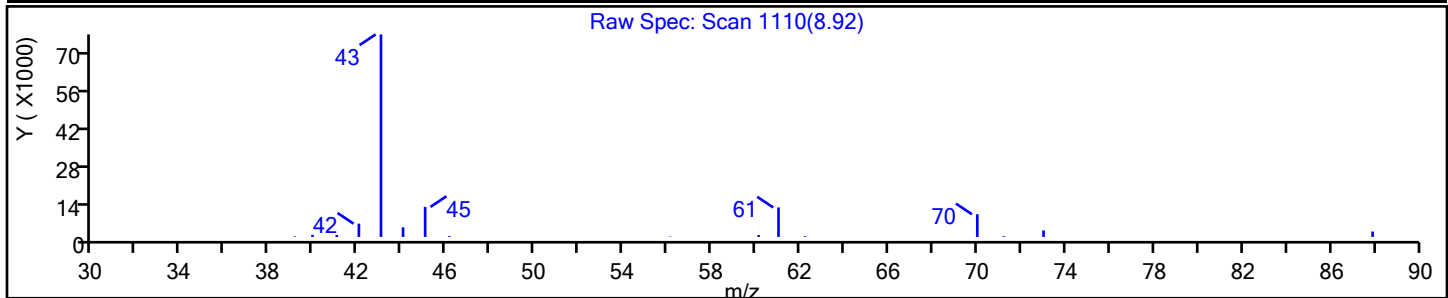
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector: MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl Acetate	141-78-6	NIST20.L	2287	C4H8O2	88	86
CH3C(O)CH2CH2OH	590-90-9	NIST20.L	2245	C4H8O2	88	9
2-Ethoxyethylamine	110-76-9	NIST20.L	2459	C4H11NO	89	9



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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: CLEANER-1 Lab Sample ID: 200-67137-3
 Matrix: Air Lab File ID: 200-54753-020.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 15:48
 Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 02:34
 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.: 189477 Units: ppb v/v

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	Freon 22	86.47	0.57		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	0.55		0.50	0.15
106-97-8	n-Butane	58.12	8.2		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	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	Freon TF	187.38	0.054	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.026
67-64-1	Acetone	58.08	4.9	J	5.0	1.6
67-63-0	Isopropyl alcohol	60.10	4.1	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	0.26	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	0.20	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	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
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.041		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.056	J	0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-1 Lab Sample ID: 200-67137-3

Matrix: Air Lab File ID: 200-54753-020.D

Analysis Method: TO-15 Date Collected: 03/02/2023 15:48

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 02:34

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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.23		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	0.18	J	0.20	0.055
79-01-6	Trichloroethene	131.39	0.035	U	0.035	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	1.3
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	methyl isobutyl ketone	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.42		0.20	0.042
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	0.063	J	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	0.12	J	0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.21	J	0.50	0.095
95-47-6	Xylene, o-	106.17	0.12	J	0.20	0.052
1330-20-7	Xylene (total)	106.17	0.33	J	0.70	0.052
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: CLEANER-1 Lab Sample ID: 200-67137-3
Matrix: Air Lab File ID: 200-54753-020.D
Analysis Method: TO-15 Date Collected: 03/02/2023 15:48
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 02:34
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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	0.50	U	0.50	0.32

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-1 Lab Sample ID: 200-67137-3

Matrix: Air Lab File ID: 200-54753-020.D

Analysis Method: TO-15 Date Collected: 03/02/2023 15:48

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 02:34

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.: 189477 Units: ug/m3

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	Freon 22	86.47	2.0		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	20		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	0.95	J	1.1	0.28
76-13-1	Freon TF	187.38	0.42	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.10
67-64-1	Acetone	58.08	12	J	12	3.8
67-63-0	Isopropyl alcohol	60.10	10	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	0.91	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	0.70	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	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
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.26		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.26	J	0.93	0.18

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-1 Lab Sample ID: 200-67137-3

Matrix: Air Lab File ID: 200-54753-020.D

Analysis Method: TO-15 Date Collected: 03/02/2023 15:48

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 02:34

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.: 189477 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.74		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	0.75	J	0.82	0.23
79-01-6	Trichloroethene	131.39	0.19	U	0.19	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	4.7
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	methyl isobutyl ketone	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	1.6		0.75	0.16
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	0.43	J	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	0.50	J	0.87	0.23
179601-23-1	m,p-Xylene	106.17	0.93	J	2.2	0.41
95-47-6	Xylene, o-	106.17	0.53	J	0.87	0.23
1330-20-7	Xylene (total)	106.17	1.4	J	3.0	0.23
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.63	J	0.98	0.39

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: CLEANER-1 Lab Sample ID: 200-67137-3
Matrix: Air Lab File ID: 200-54753-020.D
Analysis Method: TO-15 Date Collected: 03/02/2023 15:48
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 02:34
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.: 189477 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	3.7	U	3.7	2.4

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>CLEANER-1</u>	Lab Sample ID: <u>200-67137-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54753-020.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 15:48</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 02:34</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>189477</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>2</u>	TIC Result Total: <u>3.3</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	3.10	1.0	J	
	Unknown	5.18	2.3	J	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D
 Lims ID: 200-67137-A-3
 Client ID: CLEANER-1
 Sample Type: Client
 Inject. Date: 20-Mar-2023 02:34:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-020
 Misc. Info.: 67137-3
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 08:40:02 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: BKZ7

Date: 20-Mar-2023 08:40:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	99	39290	0.4444	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	97	29081	0.5694	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50	3.463	3.458	0.006	100	15689	0.5522	
6 Vinyl chloride	62		3.655				ND	
7 Butane	43	3.666	3.666	0.005	96	291514	8.24	
8 Butadiene	54		3.730				ND	MU
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.420				ND	
12 Vinyl bromide	106		4.741				ND	
13 Trichlorofluoromethane	101	4.886	4.870	0.016	97	11279	0.1692	
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.806	5.799	0.011	70	3353	0.0542	
19 Acetone	43	5.849	5.827	0.022	99	185993	4.91	
22 Isopropyl alcohol	45	6.154	6.084	0.070	100	189452	4.11	
23 Carbon disulfide	76	6.159	6.143	0.016	21	1922	0.0224	
25 3-Chloro-1-propene	41		6.394				ND	MU
26 Methylene Chloride	49	6.614	6.609	0.006	98	9634	0.2629	
27 2-Methyl-2-propanol	59	6.951	6.812	0.139	91	3821	0.0731	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.111				ND	
31 Hexane	57	7.609	7.604	0.005	90	7868	0.1974	
32 1,1-Dichloroethane	63		7.844				ND	
34 2-Butanone (MEK)	72	8.834	8.813	0.021	100	5437	0.4327	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.246	9.241	0.005	95	285390	10.0	
38 Tetrahydrofuran	42		9.315				ND	7
39 Chloroform	83	9.428	9.428	0.006	36	2355	0.0308	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.754				ND	
41 Cyclohexane	84	9.893	9.893	-0.011	83	1300	0.0314	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117	10.043	10.053	-0.005	95	3066	0.0413	
44 Benzene	78	10.417	10.428	0.000	97	25040	0.2332	
45 1,2-Dichloroethane	62	10.498	10.492	0.006	94	2886	0.0538	
46 Isooctane	57	10.680	10.674	0.006	97	10207	0.0562	
47 n-Heptane	43	11.022	11.017	0.005	89	13553	0.1831	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	96	1503725	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.386				ND	
56 Dichlorobromomethane	83		12.739				ND	
58 cis-1,3-Dichloropropene	75		13.633				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.333	14.334	0.000	92	28945	0.4187	
65 trans-1,3-Dichloropropene	75		14.783				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166	15.398	15.403	-0.005	90	3784	0.0629	
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.217				ND	
* 71 Chlorobenzene-d5	117	17.196	17.196	0.000	87	1271382	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.468	17.474	-0.006	99	17321	0.1154	
74 m-Xylene & p-Xylene	106	17.736	17.747	-0.021	0	10994	0.2143	
76 o-Xylene	106	18.565	18.565	0.000	98	6573	0.1232	
77 Styrene	104	18.597	18.597	0.000	92	2571	0.0322	
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	7
S 82 Xylenes, Total	106				0		0.3375	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.100				ND	7
84 2-Chlorotoluene	91		20.245				ND	7
85 4-Ethyltoluene	105		20.309				ND	MU
86 1,3,5-Trimethylbenzene	105	20.411	20.411	0.000	90	1958	0.0175	
89 tert-Butylbenzene	119		20.919				ND	7
90 1,2,4-Trimethylbenzene	105	21.005	21.010	-0.006	88	14639	0.1289	
91 sec-Butylbenzene	105		21.256				ND	
92 1,3-Dichlorobenzene	146		21.422				ND	MU
93 4-Isopropyltoluene	119		21.486				ND	7
94 1,4-Dichlorobenzene	146		21.572				ND	MU
95 Benzyl chloride	91		21.727				ND	7
97 n-Butylbenzene	91		22.053				ND	7
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.525				ND	
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128		24.995				ND	7
103 1,2,3-Trichlorobenzene	180		25.407				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington
Tentatively Identified Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D
 Lims ID: 200-67137-A-3
 Client ID: CLEANER-1
 Sample Type: Client
 Inject. Date: 20-Mar-2023 02:34:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-020
 Misc. Info.: 67137-3
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 08:40:02 Calib Date: 10-Mar-2023 19:06:30
 Tic RT Window: 0.000 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\chromfs\Burlington\Database\NIST20.L
 Min. Match: 1
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1605
 First Level Reviewer: BKZ7 Date: 20-Mar-2023 08:40:02

Tentative Identified Compound Results

RT	Area	Amount ppb v/v	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
3.104	231522	1.05	37	0	0		0	
5.175	518259	2.35	37	0	0		0	

Quantitation Compounds

Compound	RT	Area	Amount ppb v/v

* 37 Chlorobromomethane 9.246 2207098 10.0

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Worklist Smp#: 20

Client ID: CLEANER-1

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

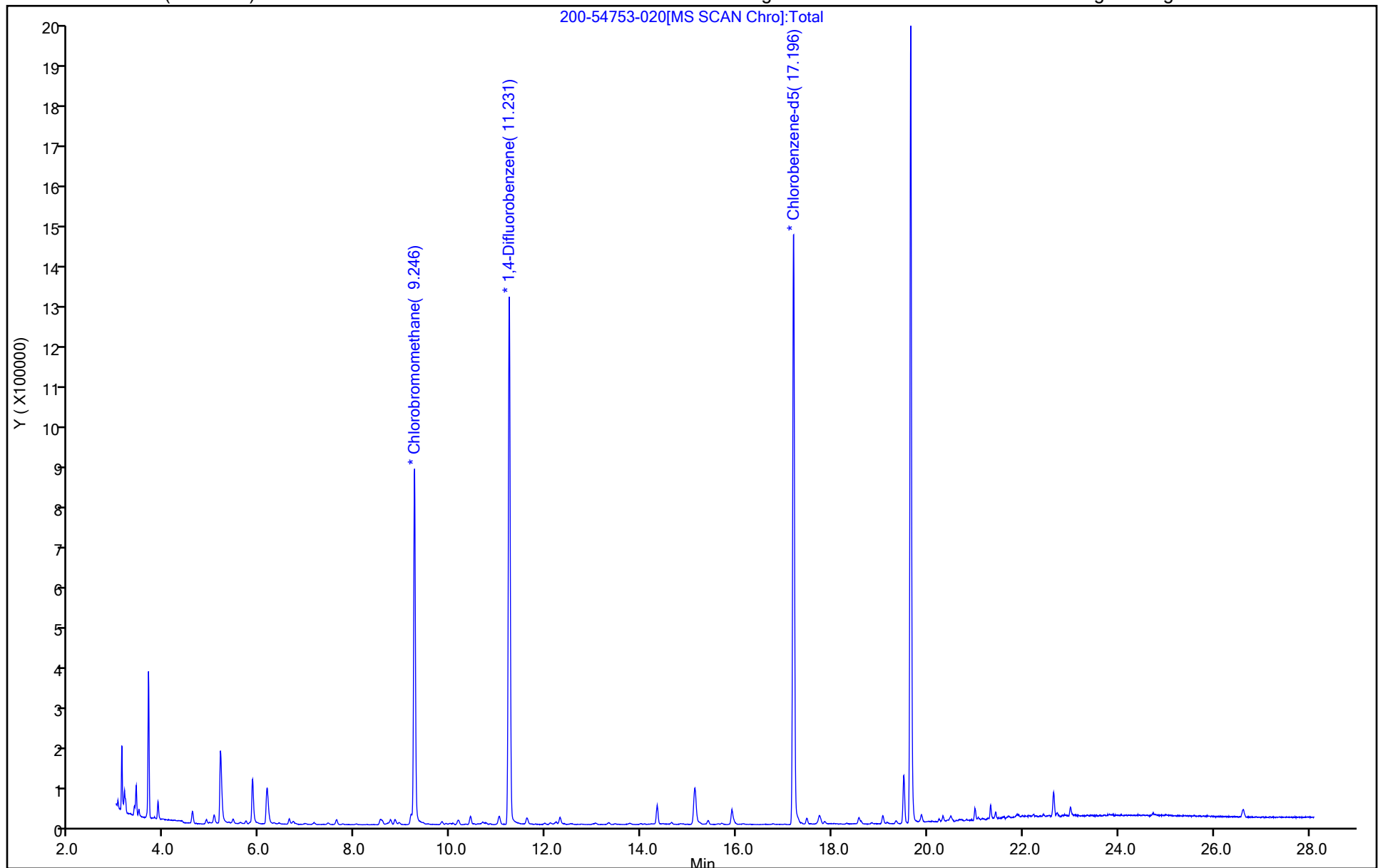
ALS Bottle#: 19

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

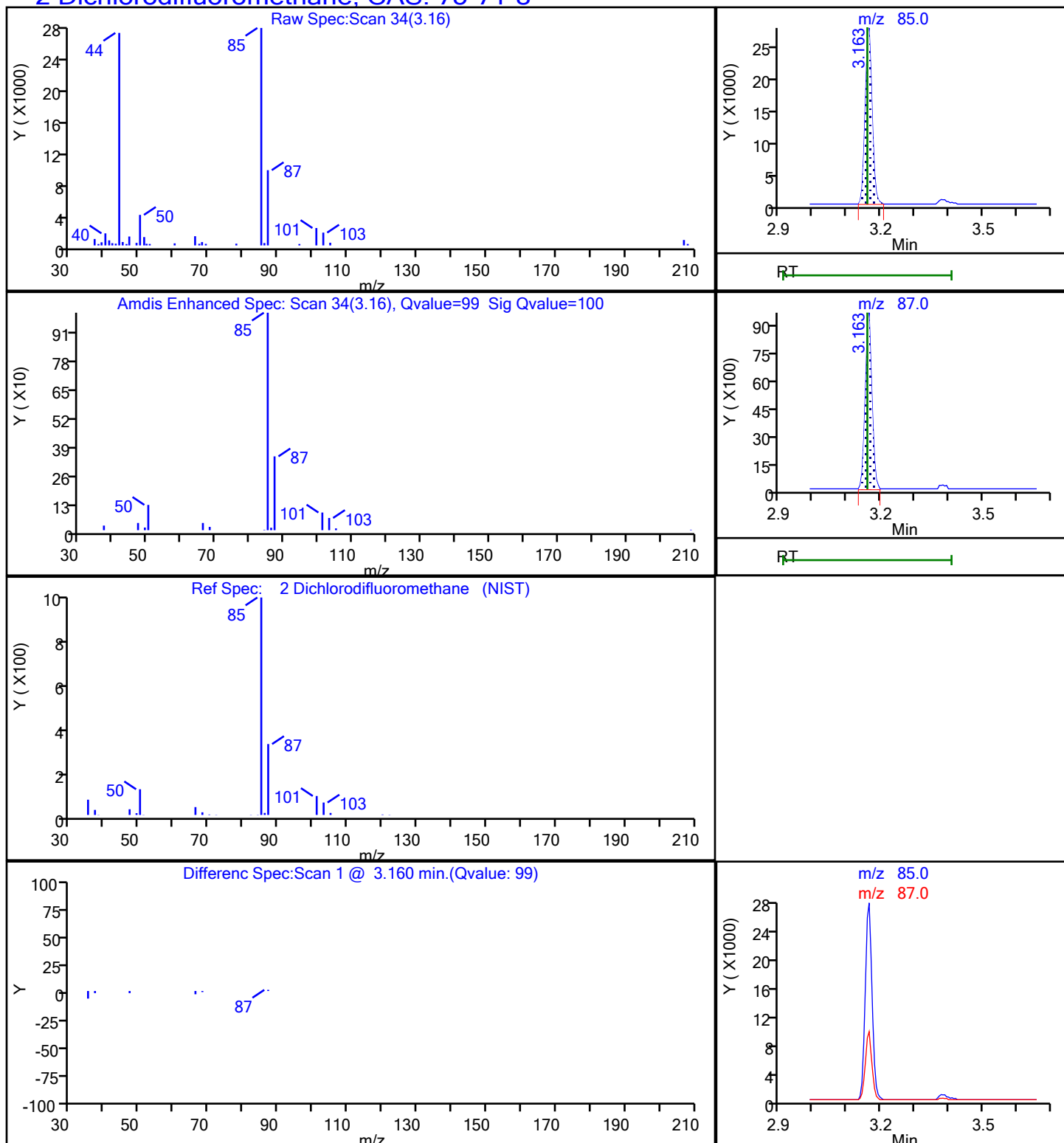
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

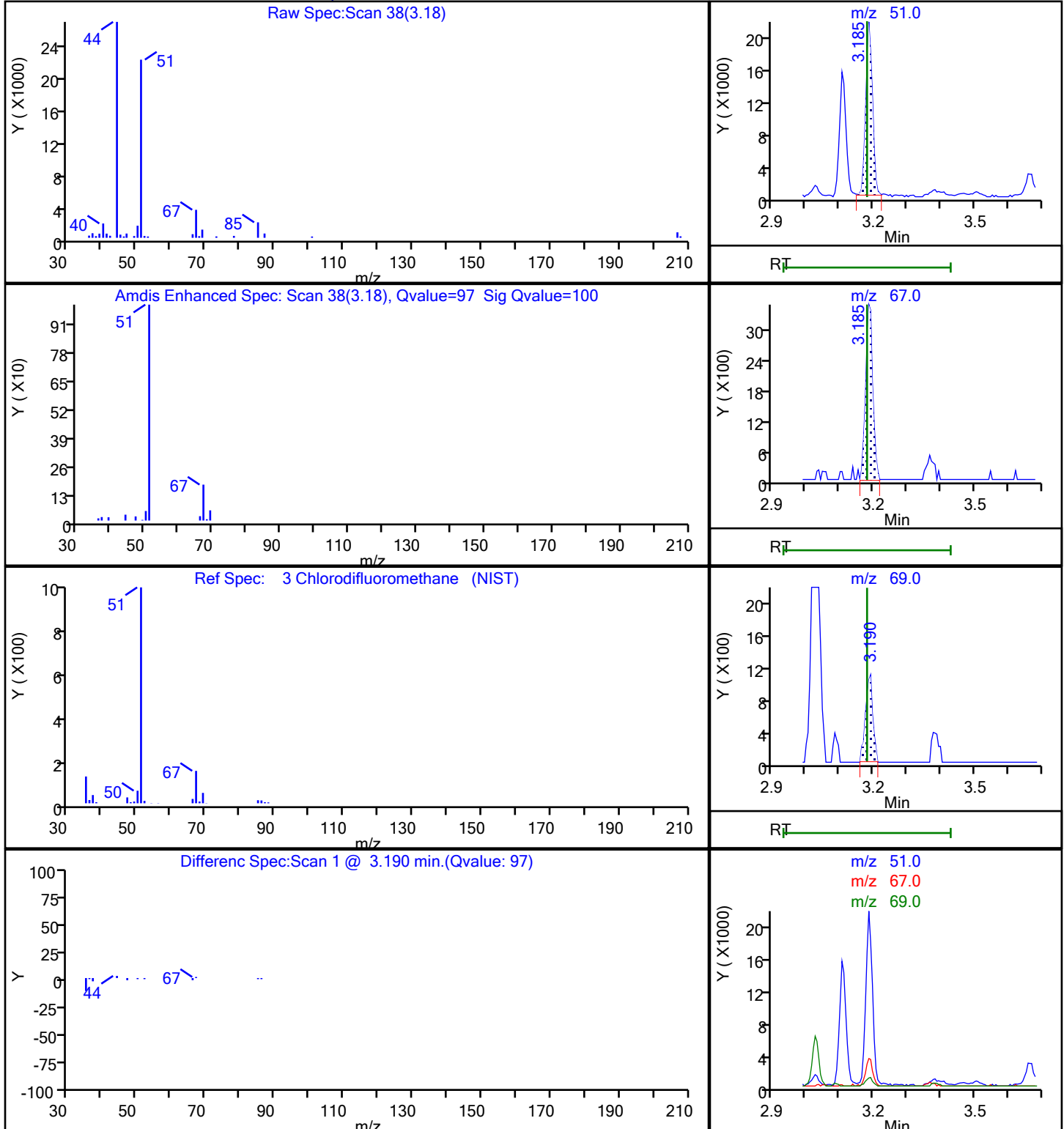
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

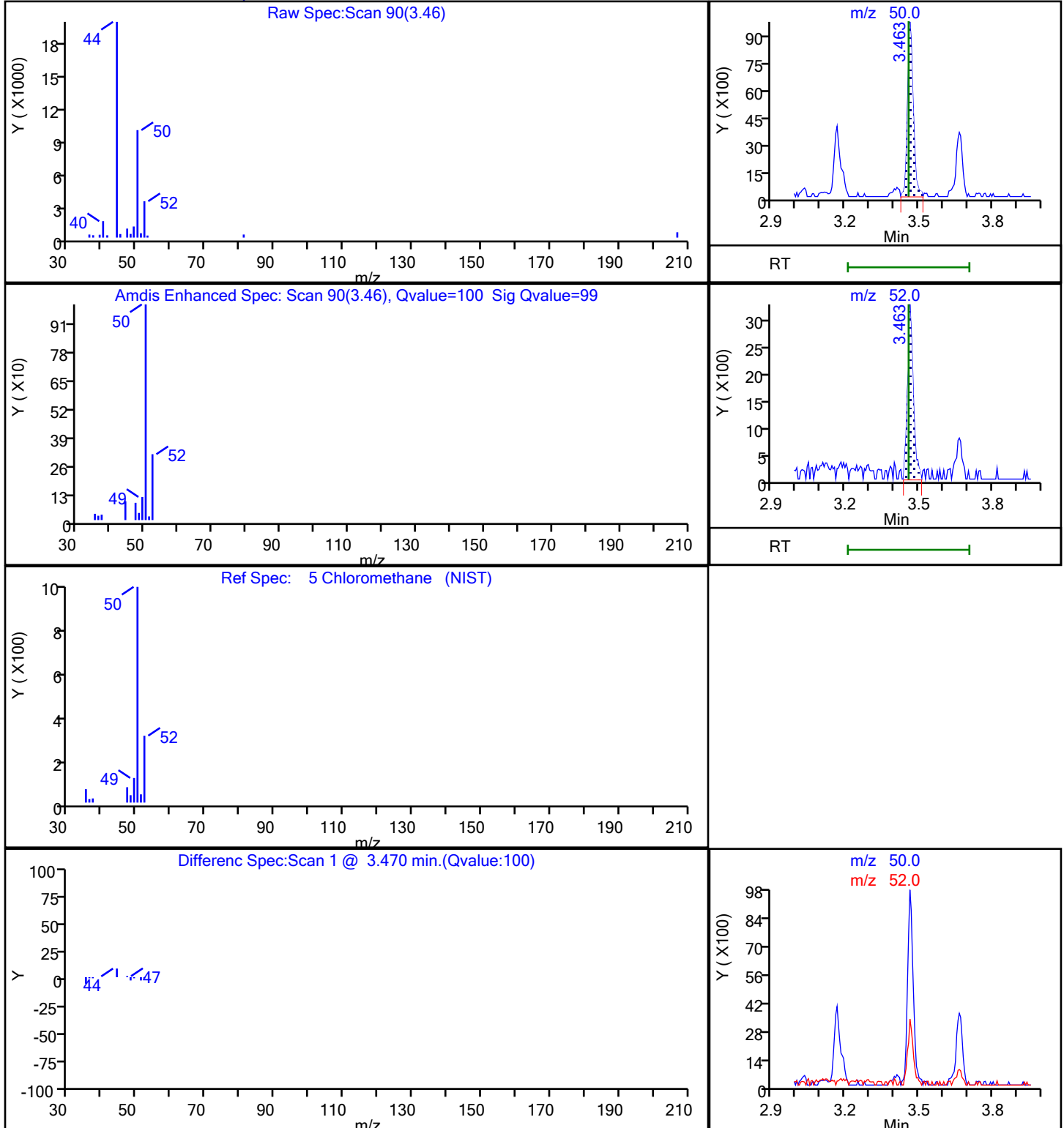
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

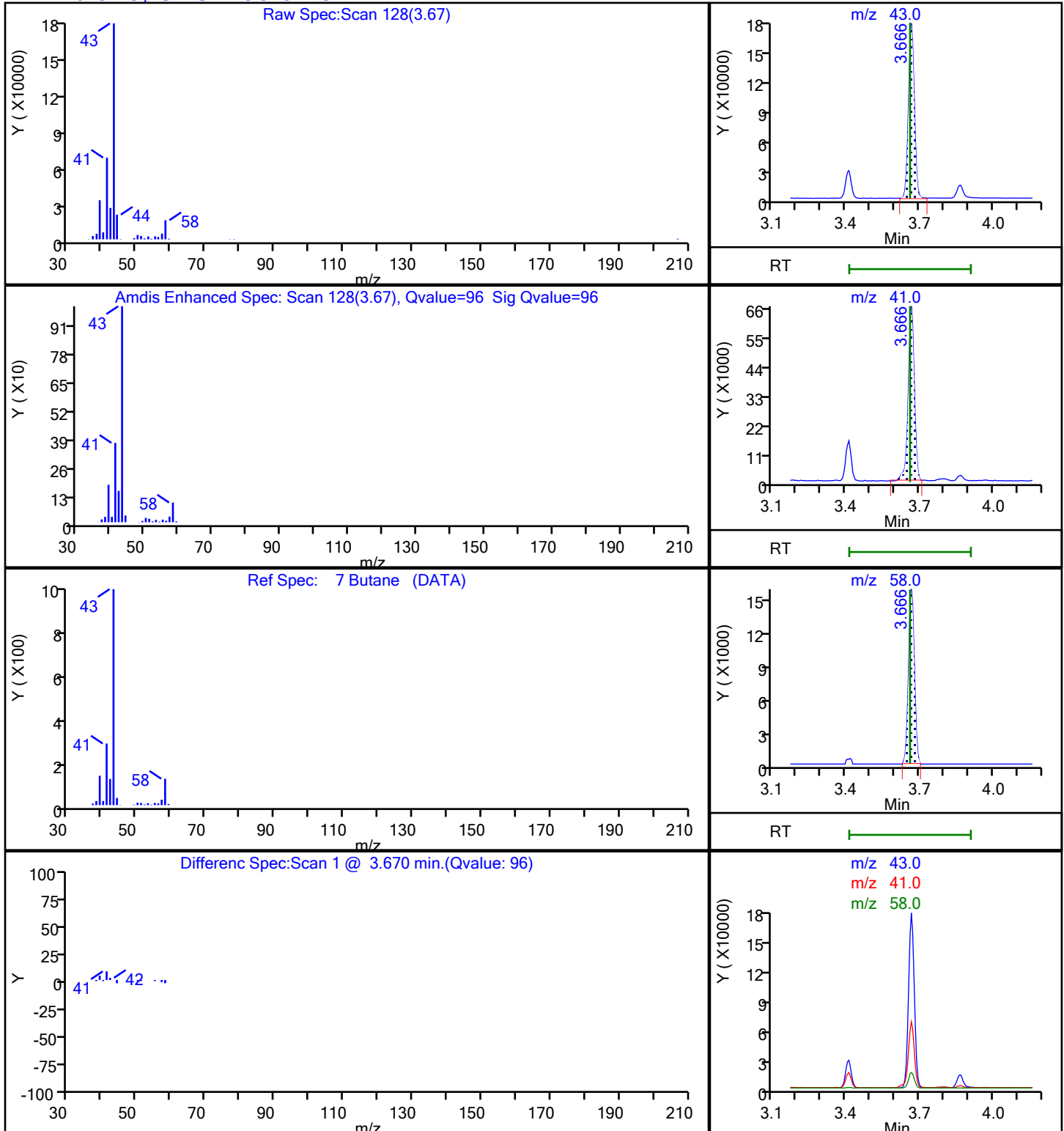
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

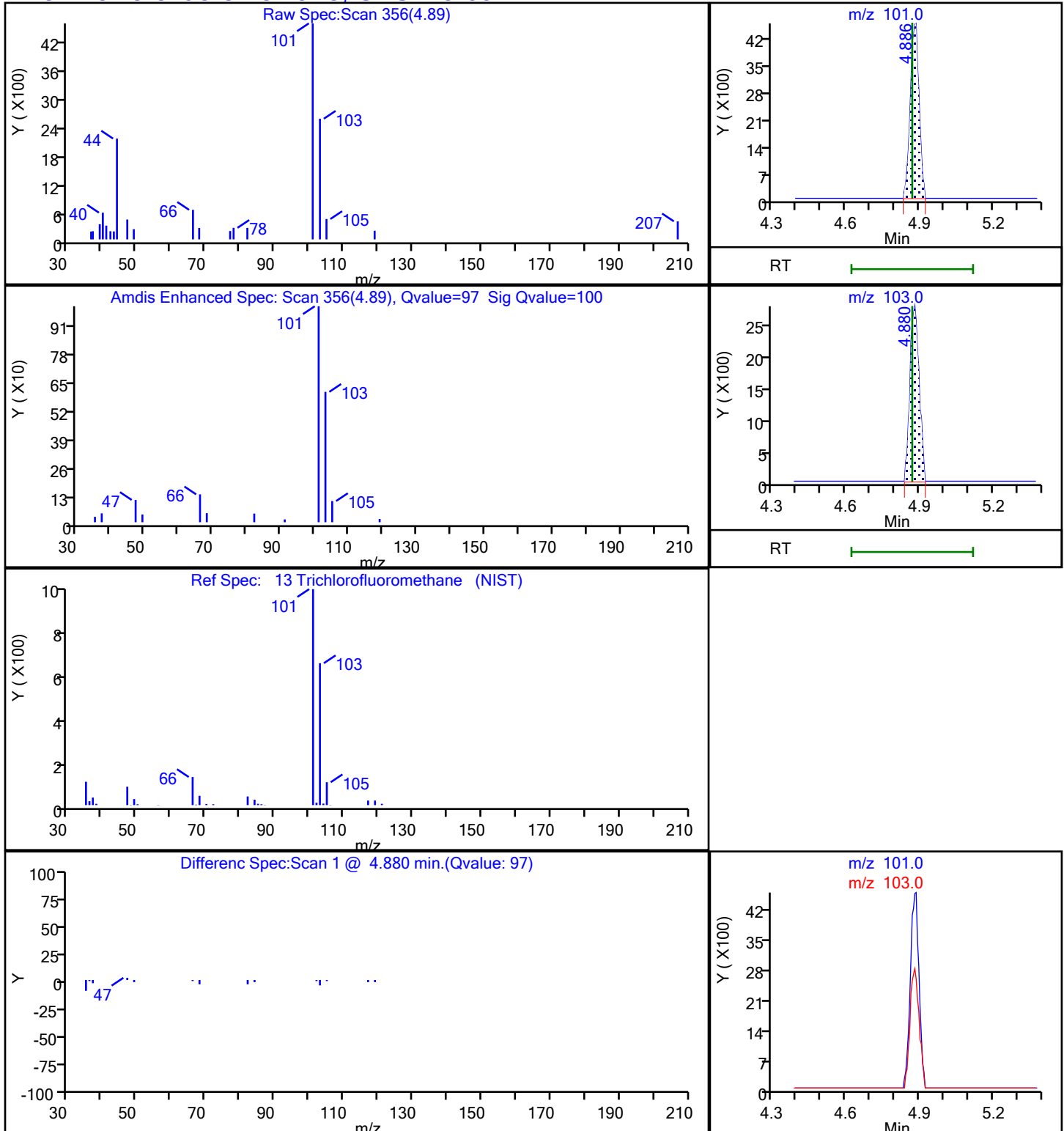
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

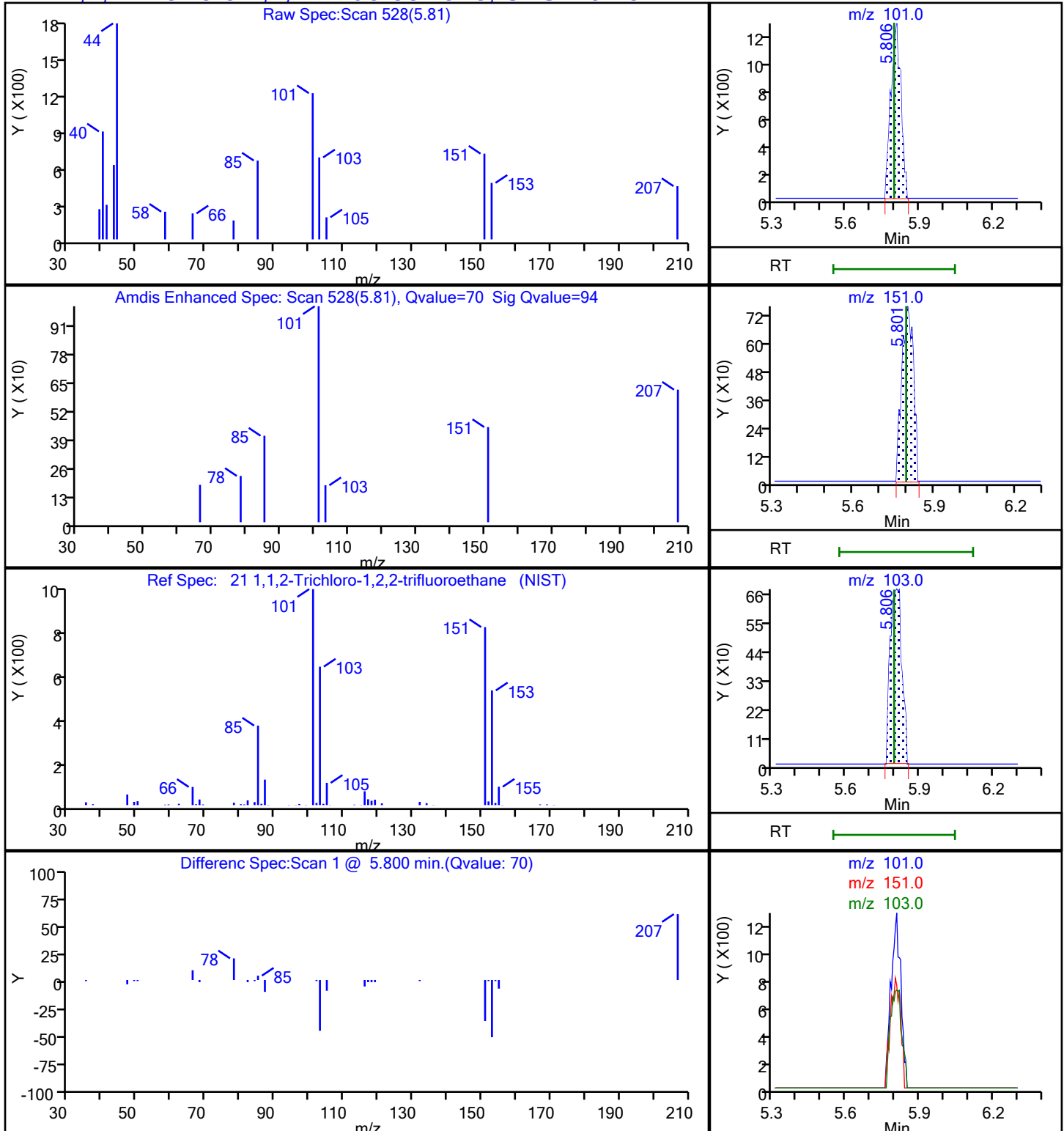
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

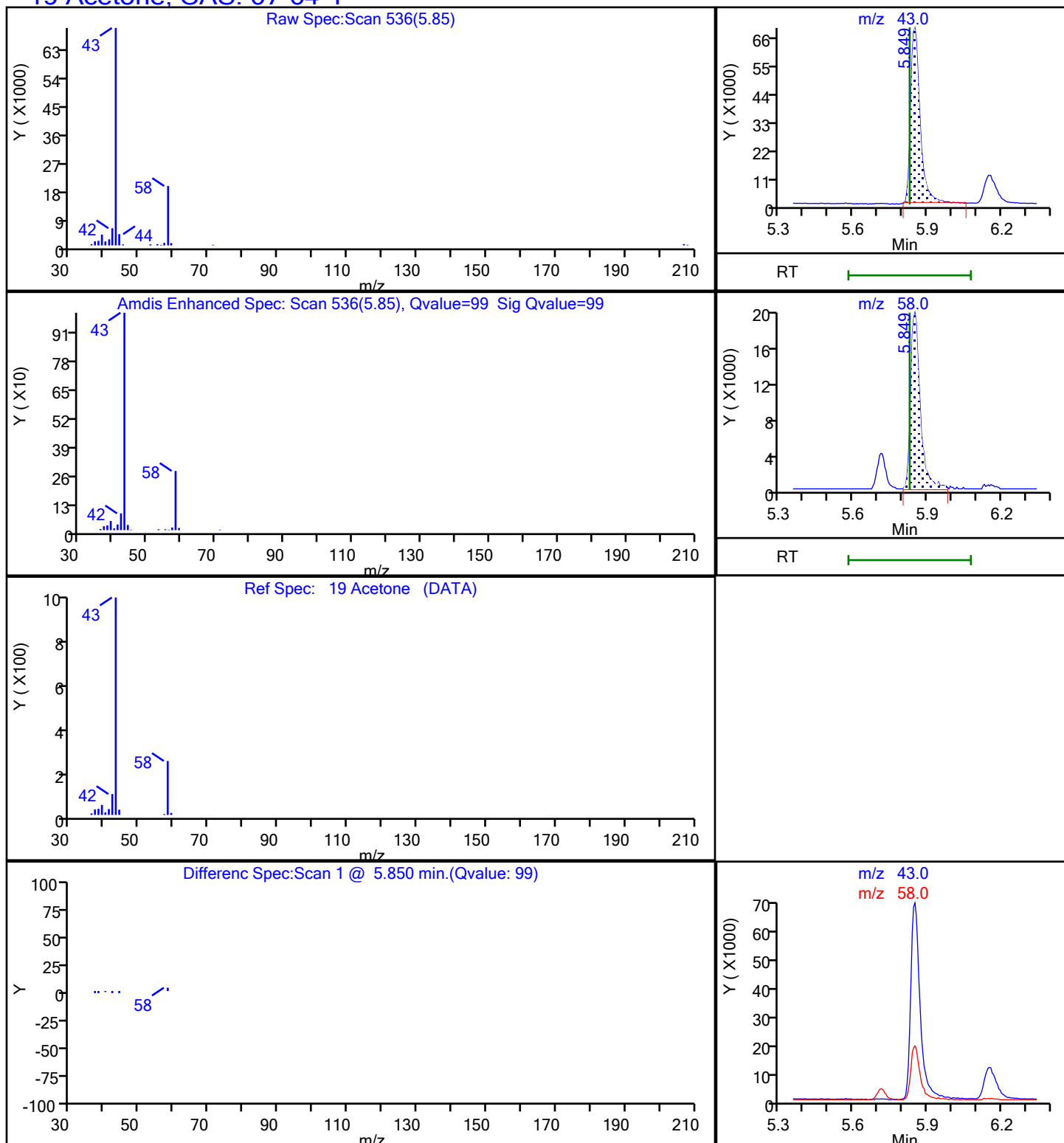
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

19 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

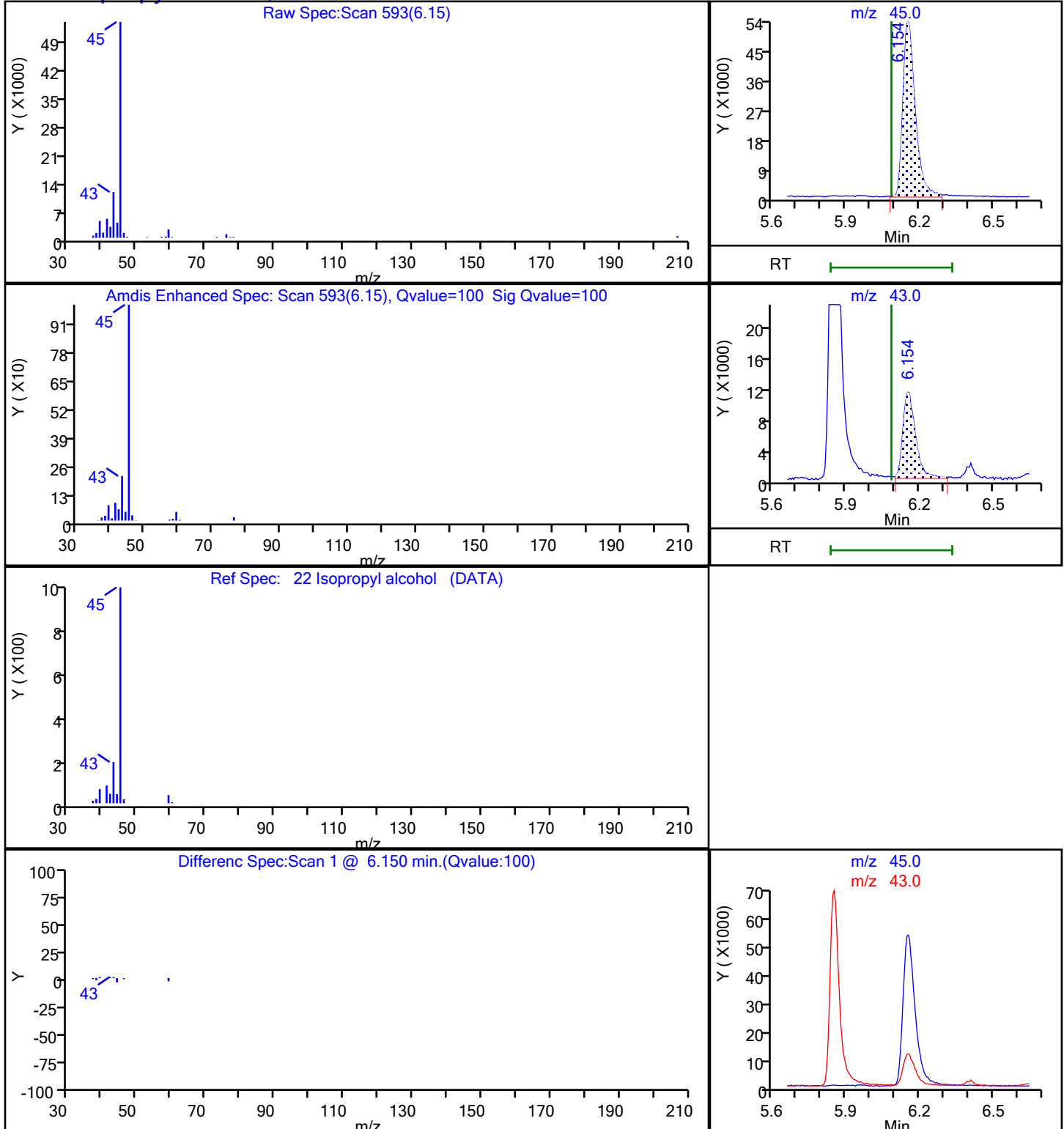
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Isopropyl alcohol, CAS: 67-63-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

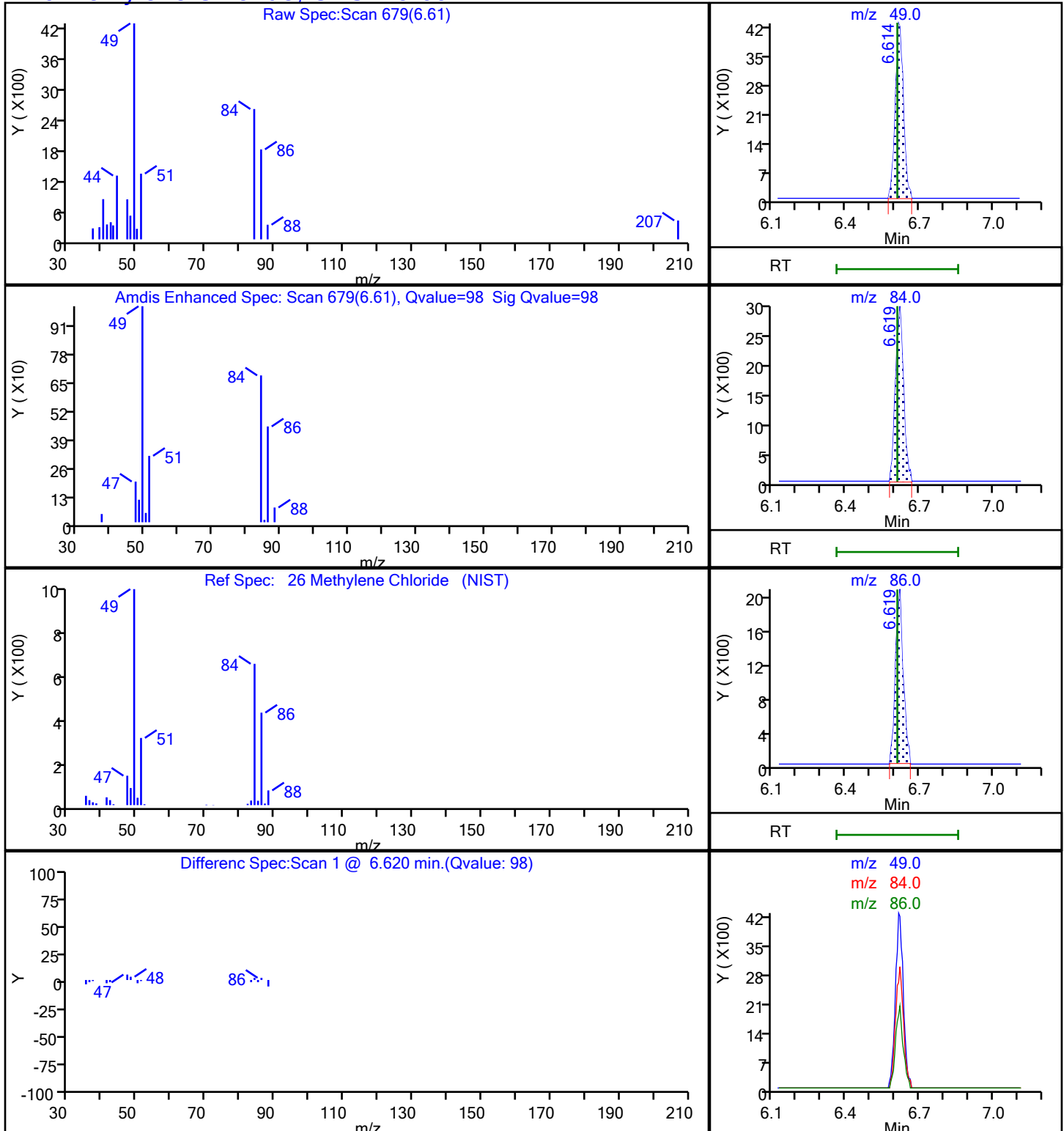
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

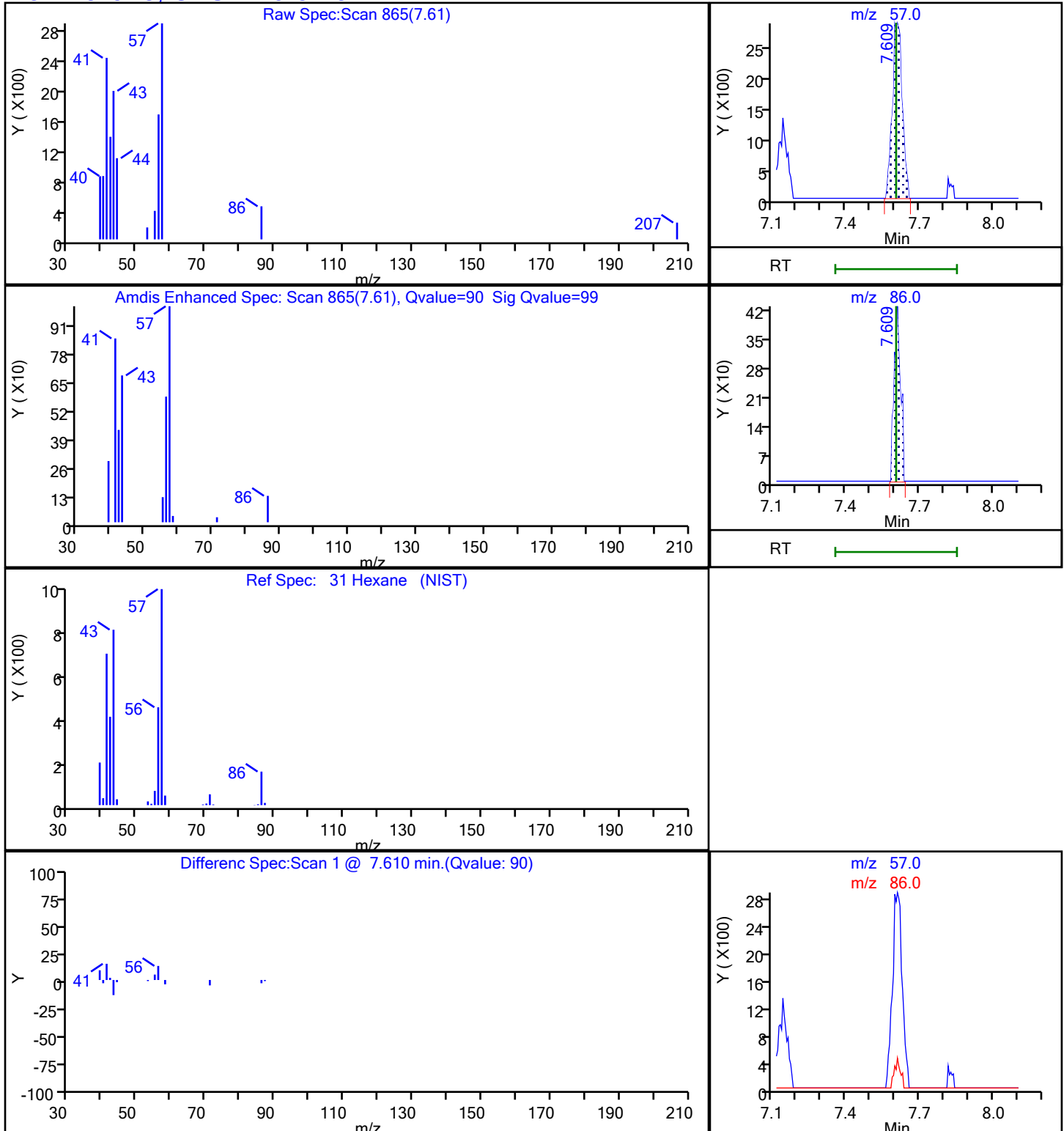
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

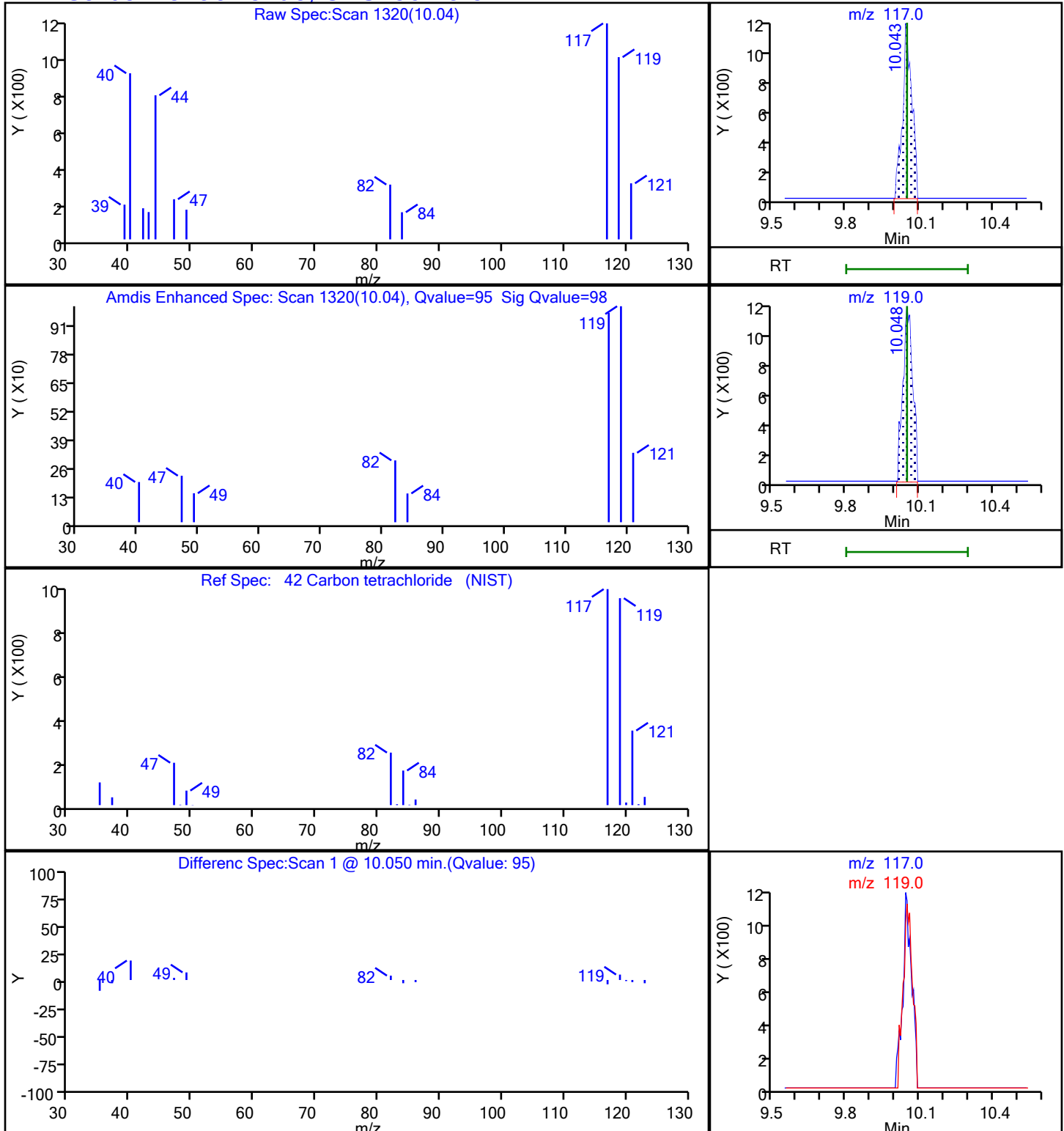
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

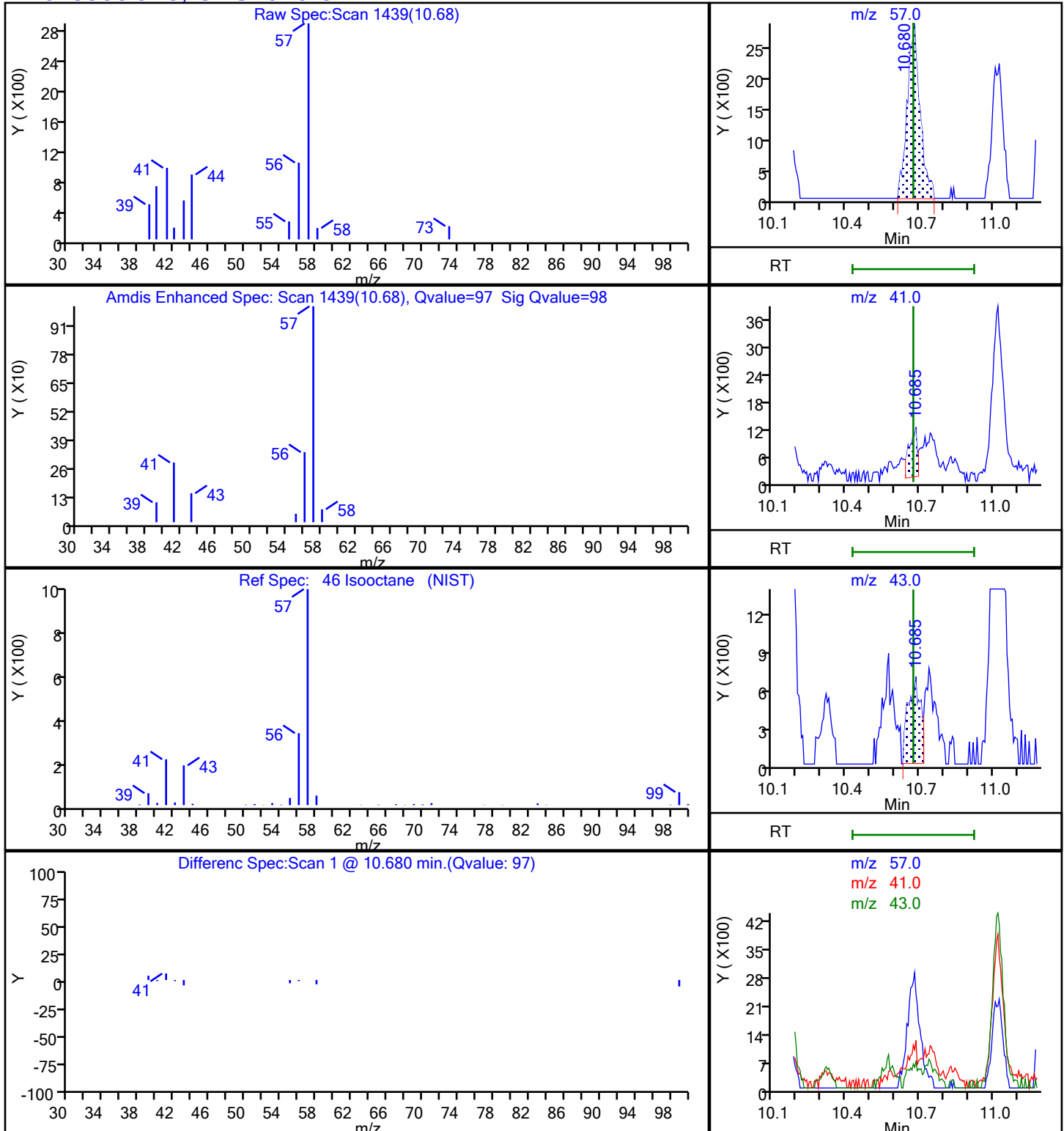
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Isooctane, CAS: 540-84-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

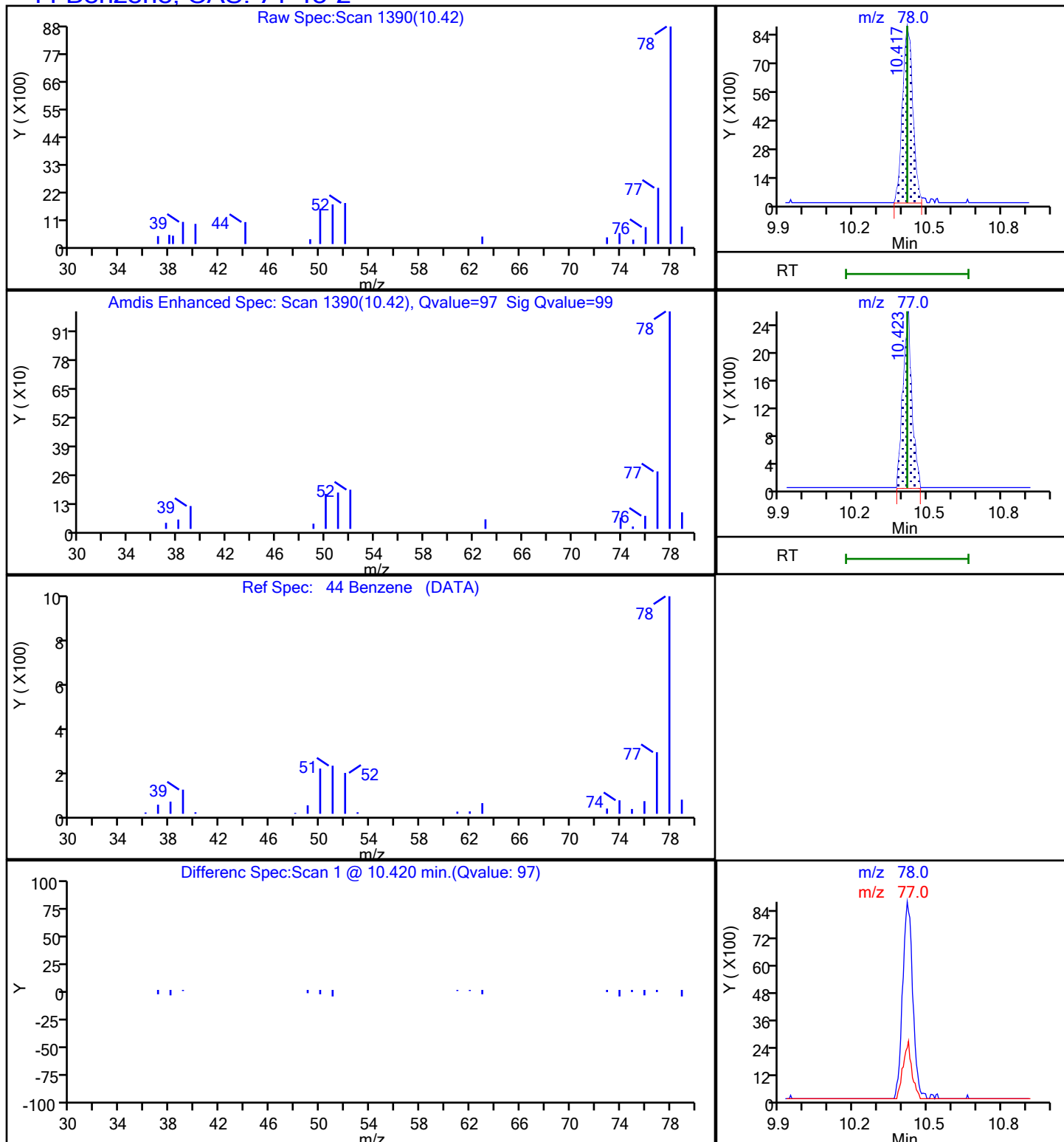
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

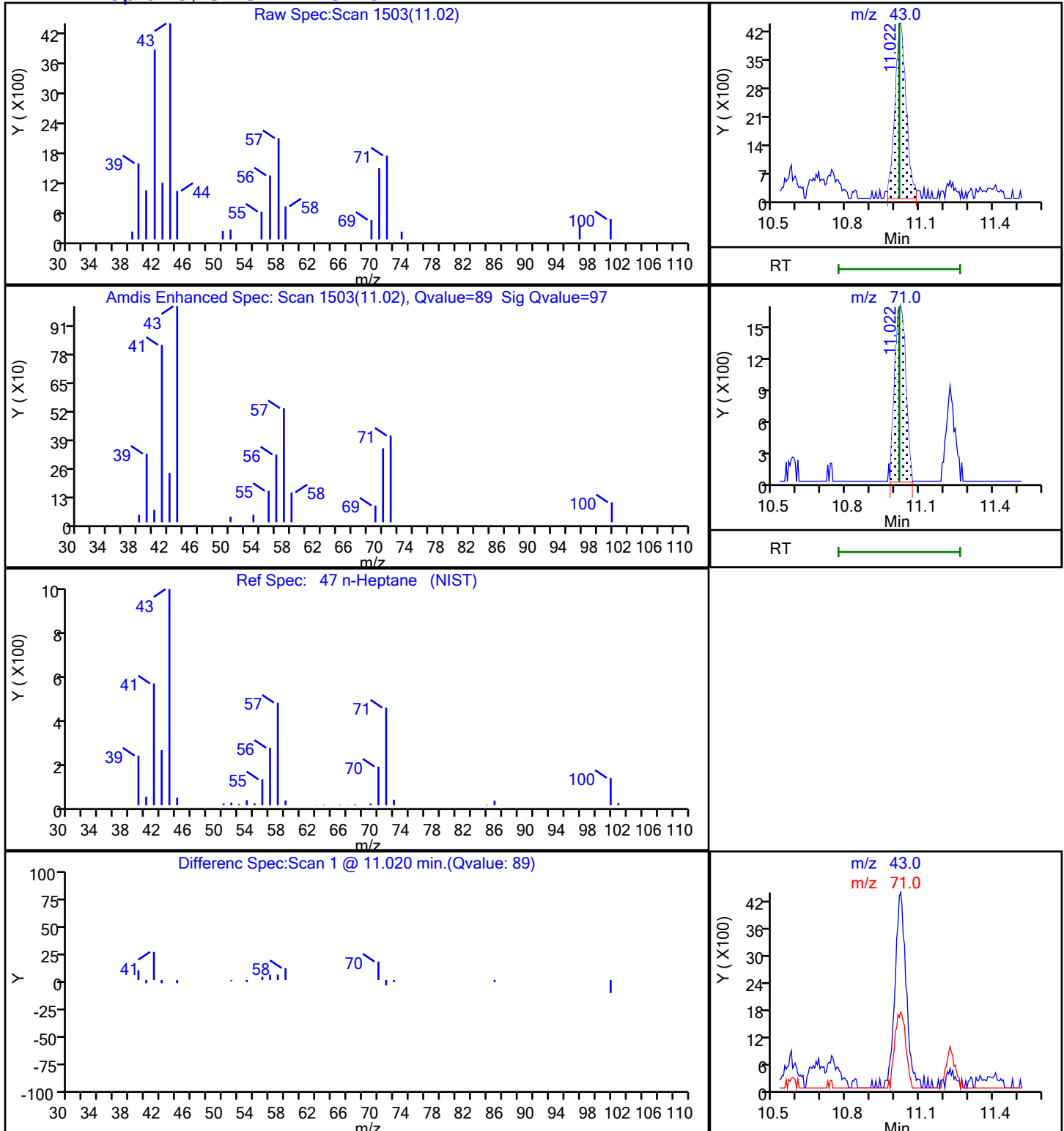
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 n-Heptane, CAS: 142-82-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

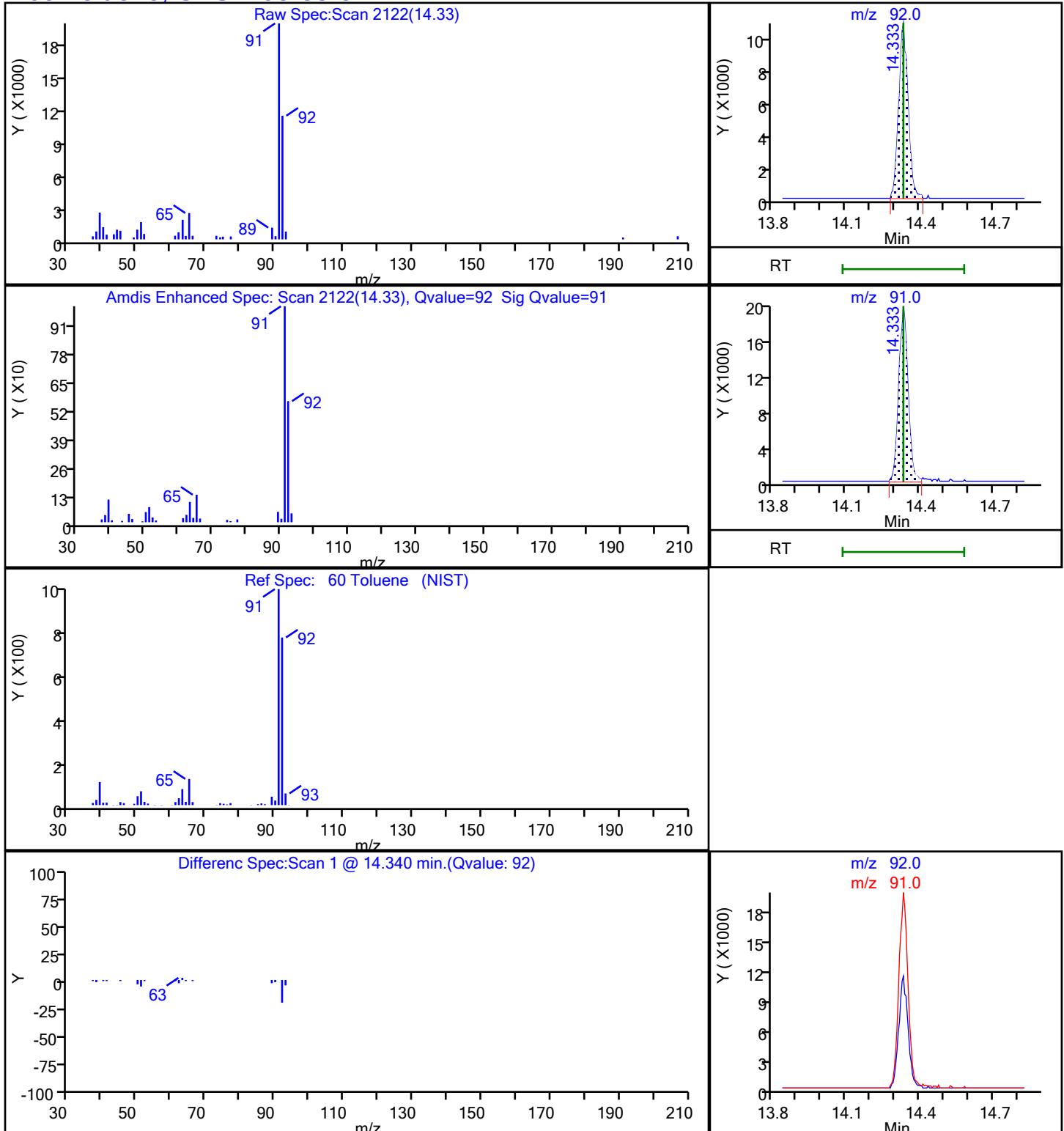
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

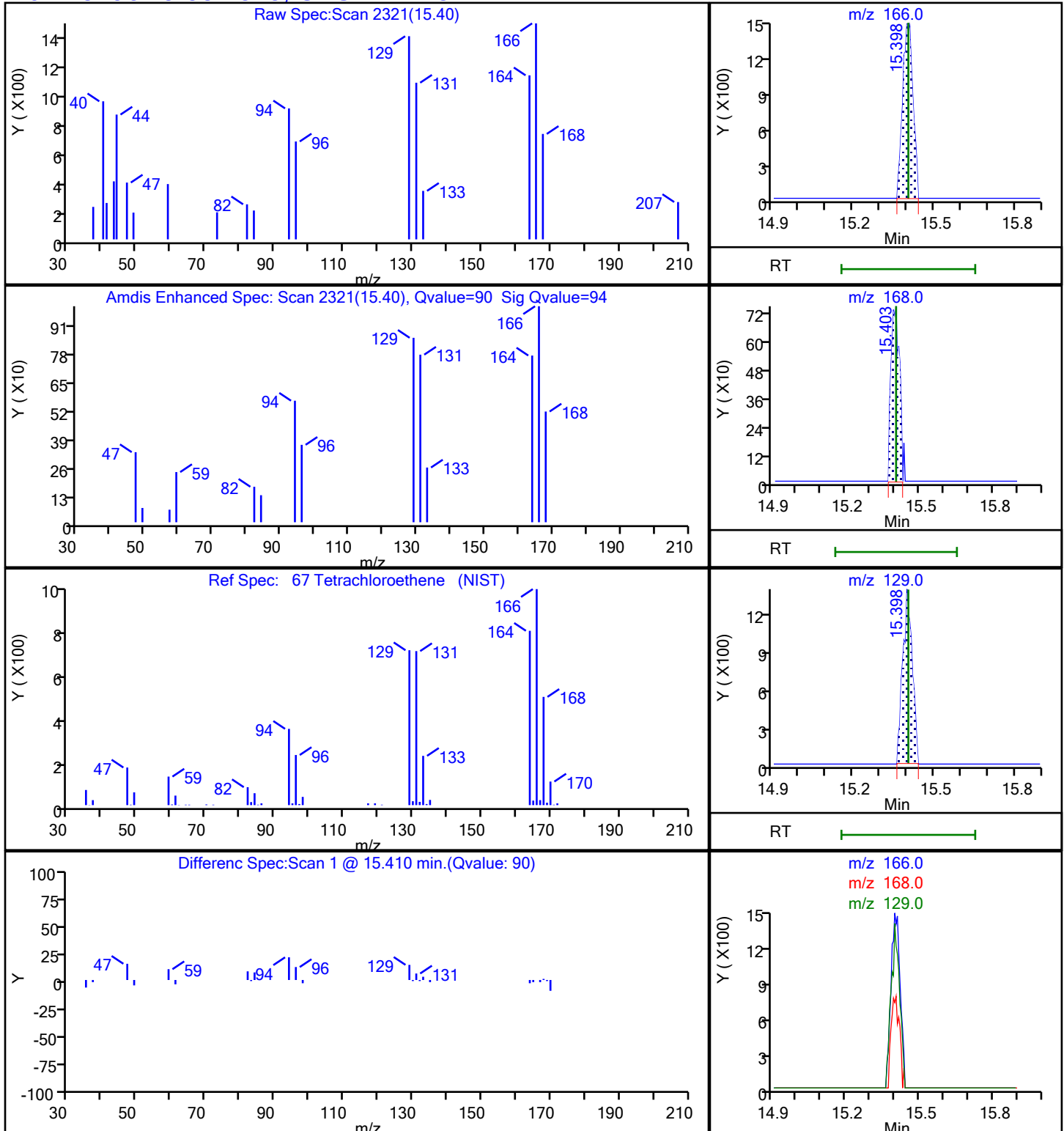
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19 Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

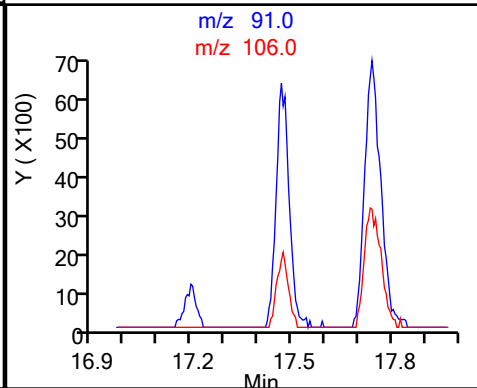
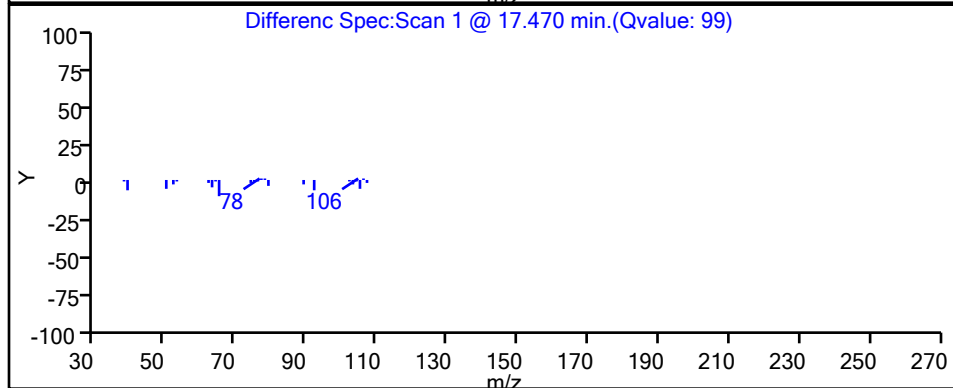
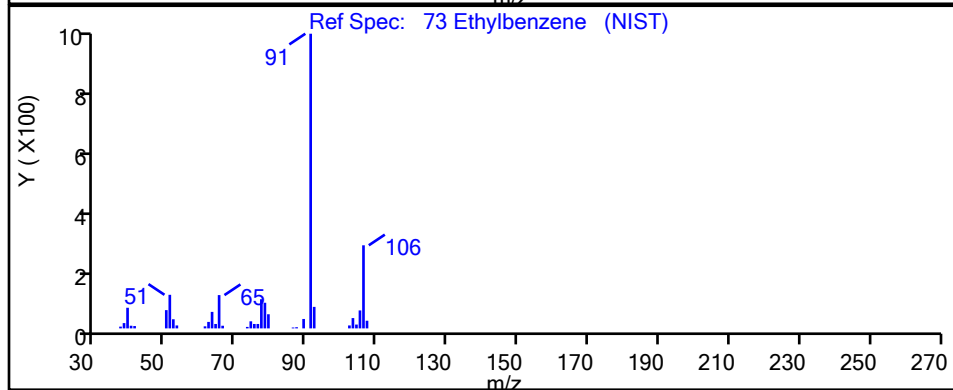
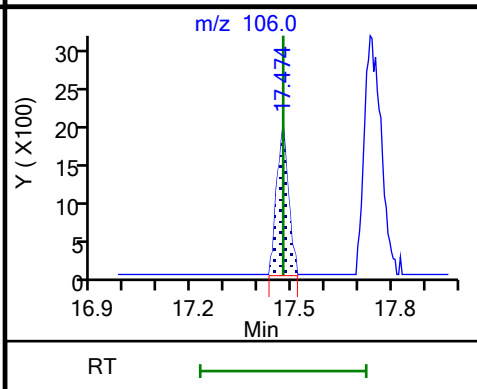
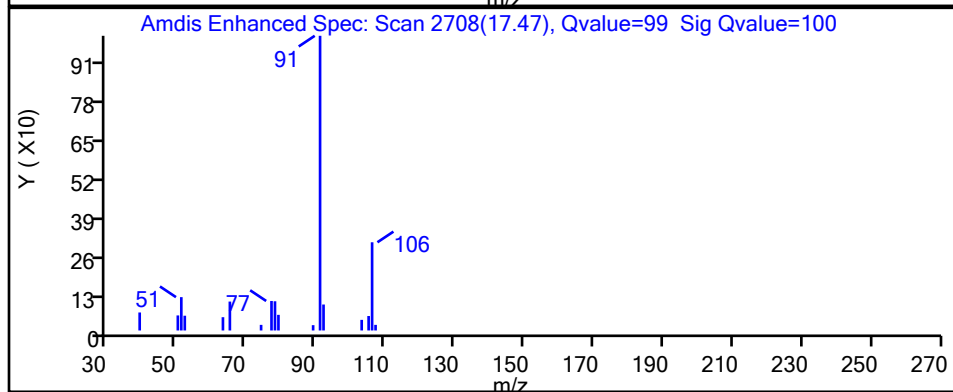
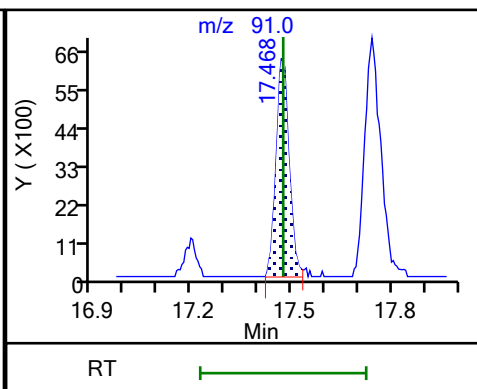
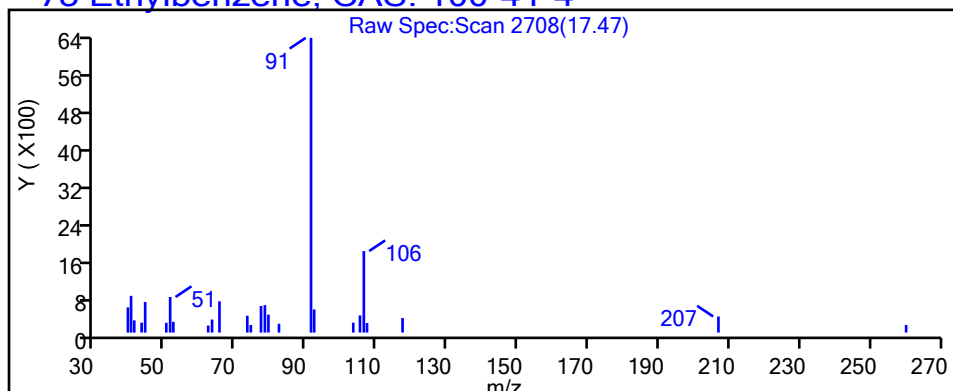
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector MS SCAN

73 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

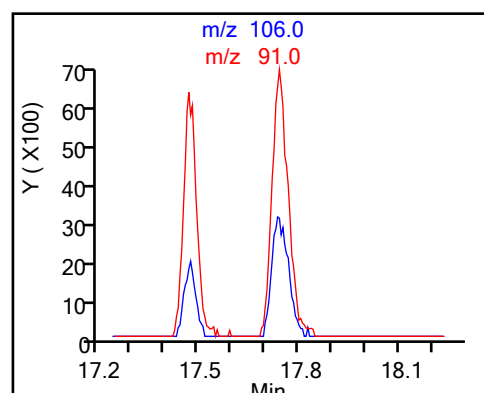
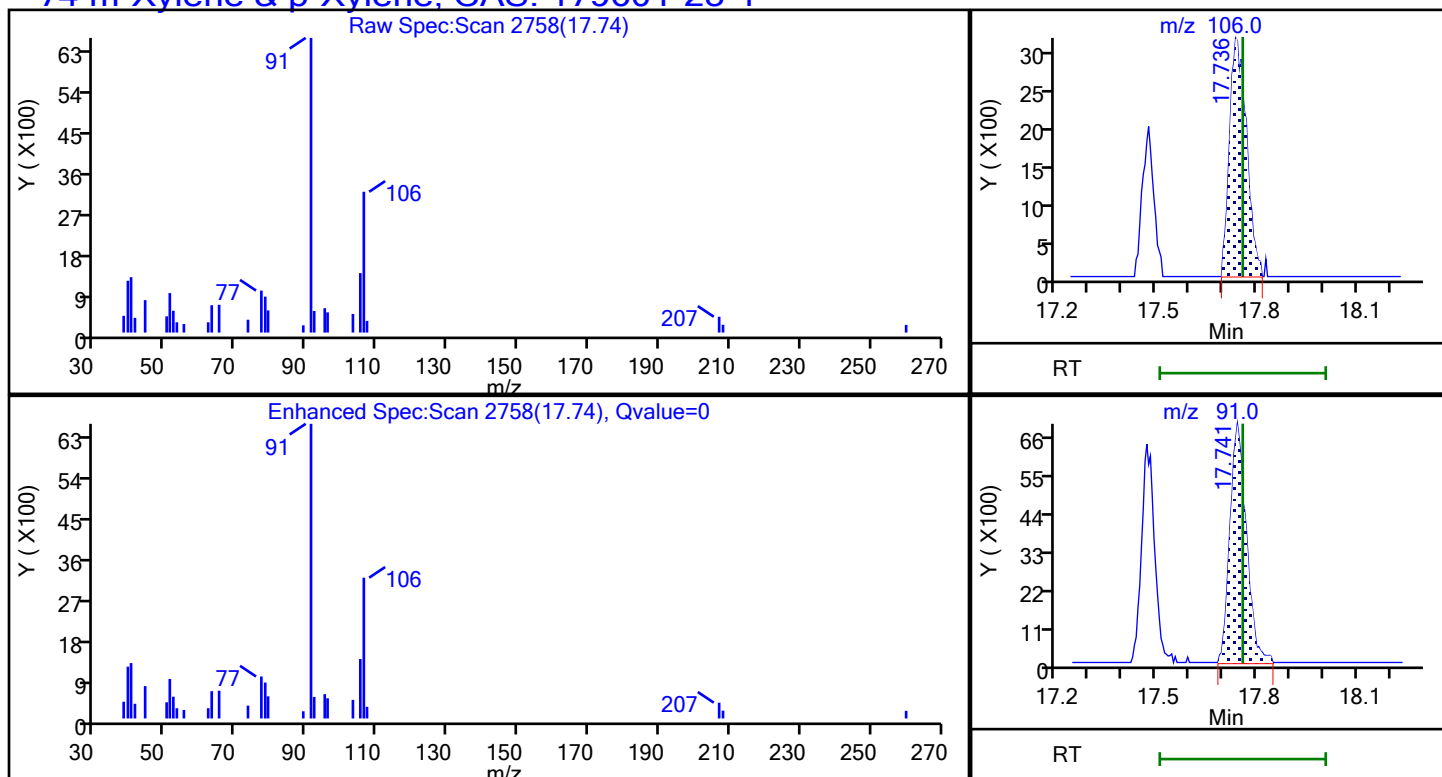
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

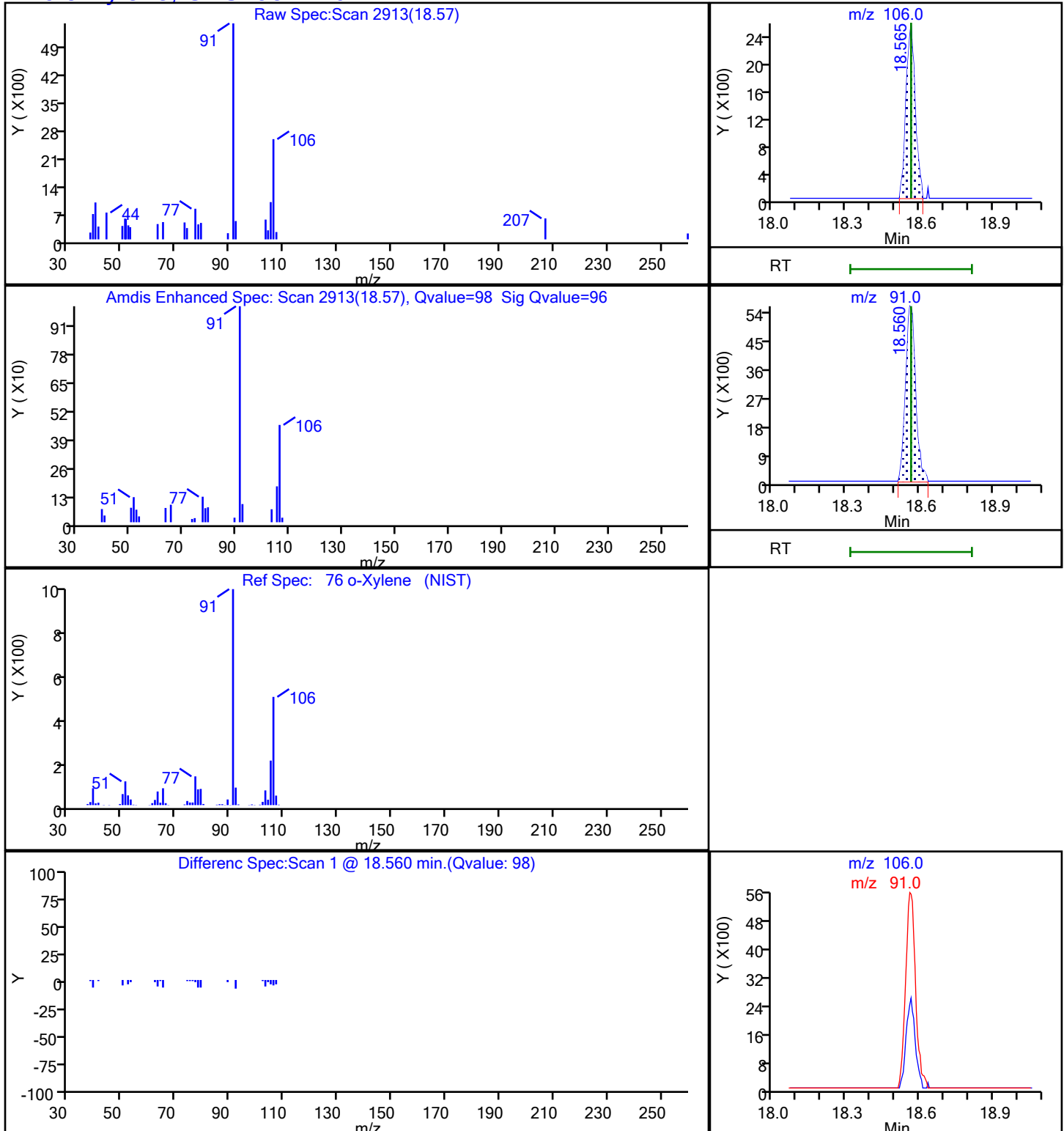
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

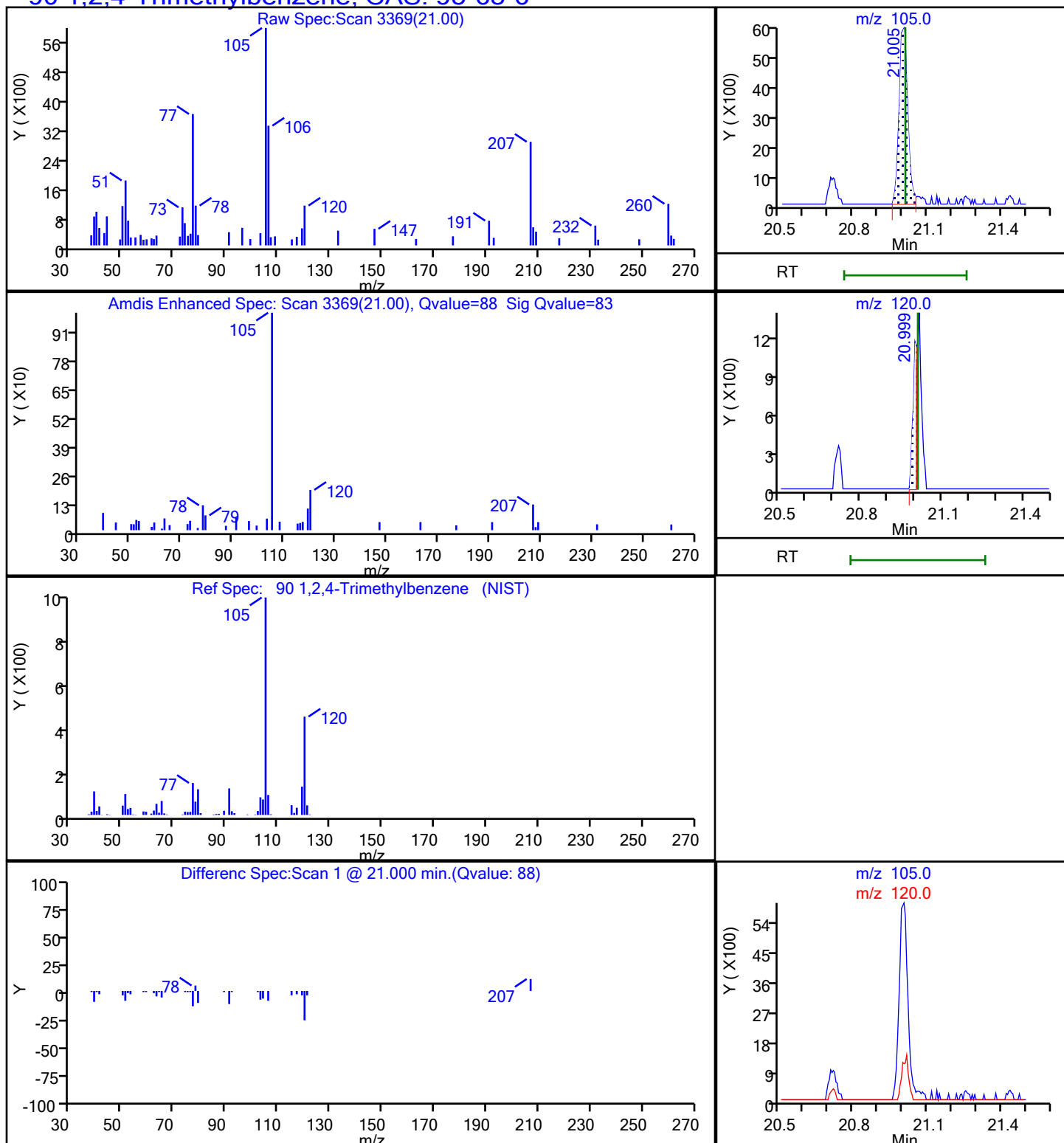
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#:

19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

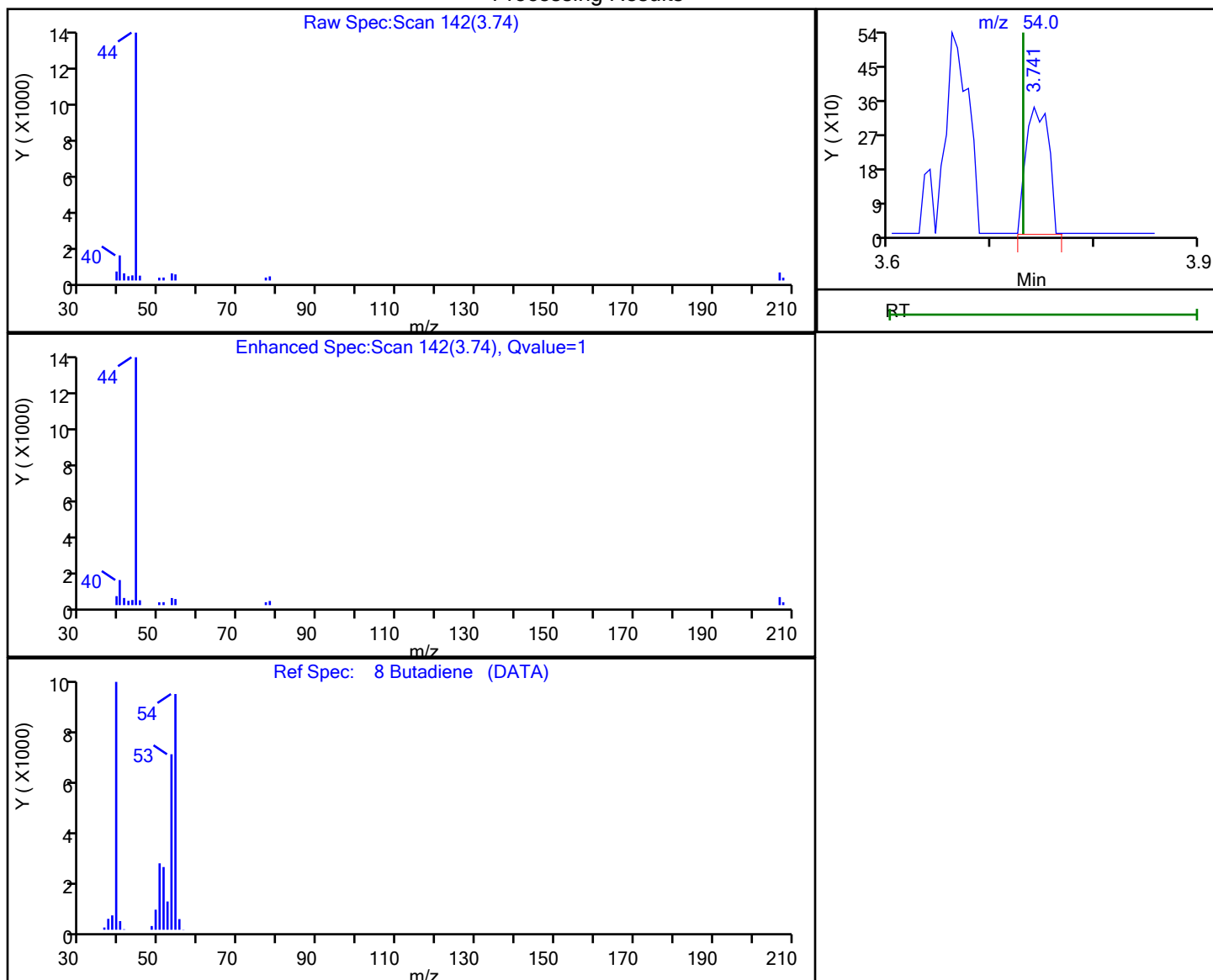
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
3.74	54.00	517	0.026866

Reviewer: BKZ7, 20-Mar-2023 08:38:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#:

19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

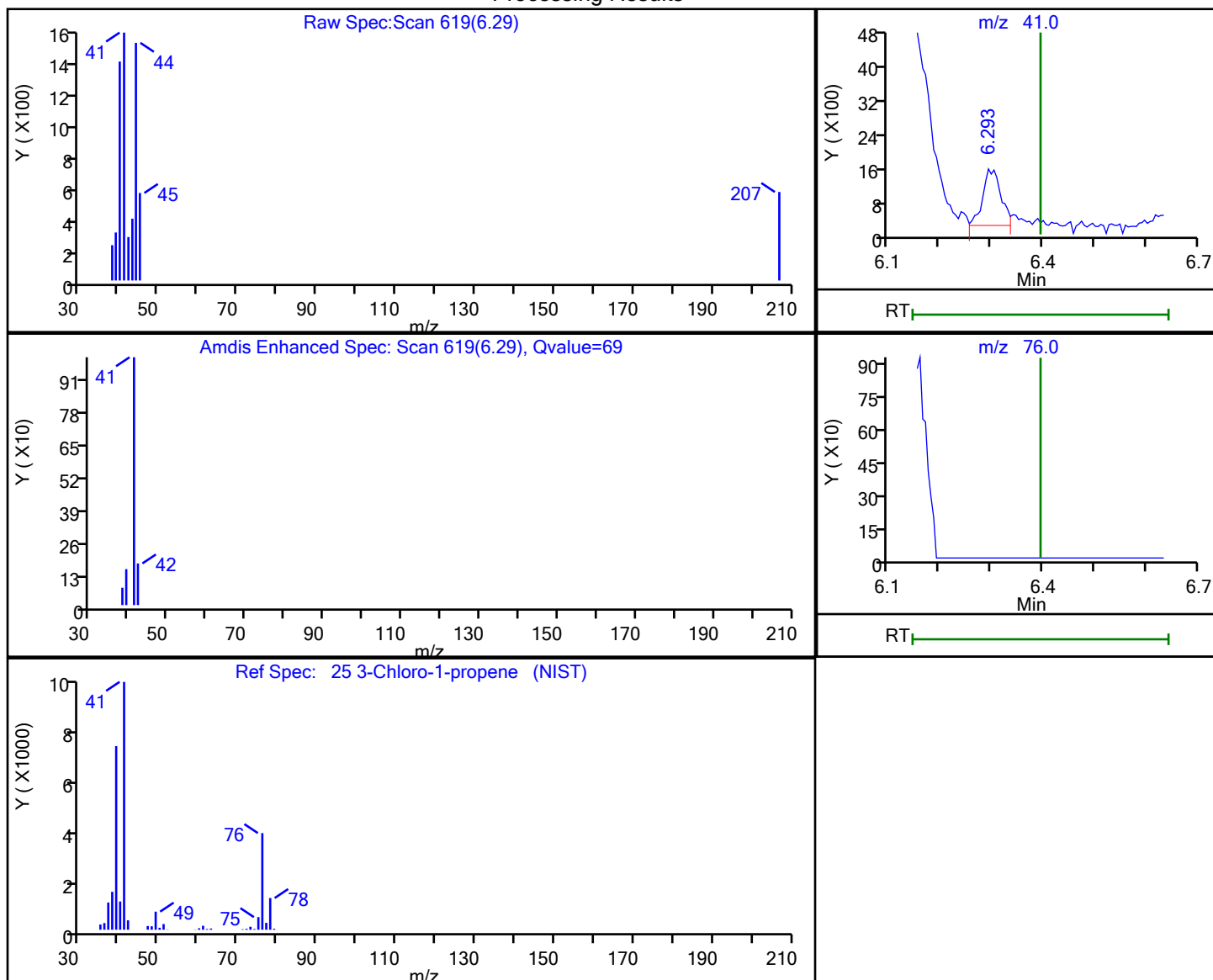
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.29	41.00	3285	0.094718
6.39	76.00	0	

Reviewer: BKZ7, 20-Mar-2023 08:38:48

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

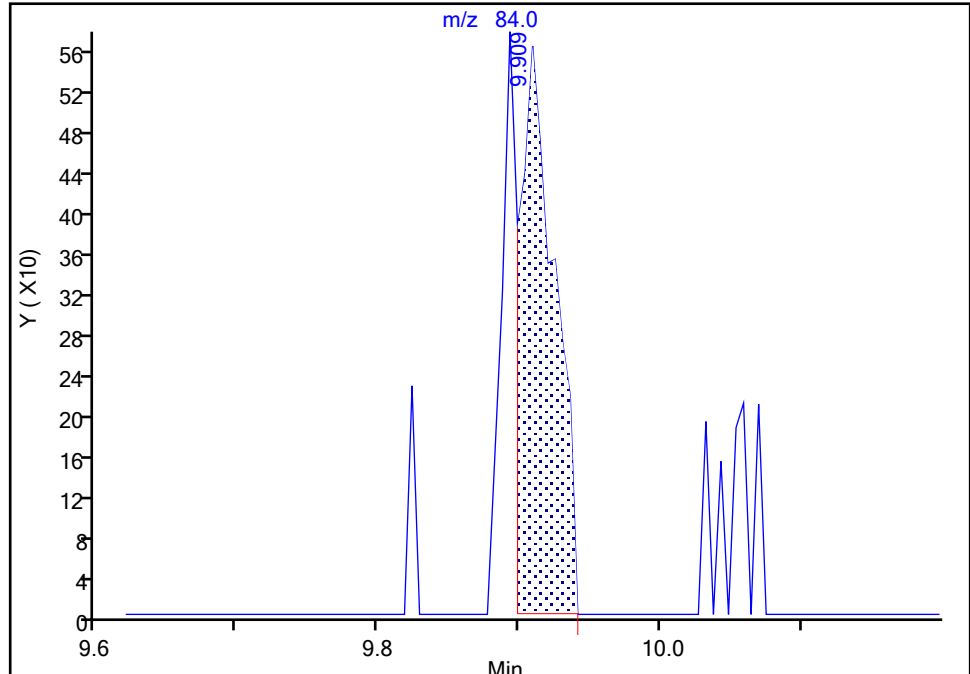
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D
Injection Date: 20-Mar-2023 02:34:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-3 Lab Sample ID: 200-67137-3
Client ID: CLEANER-1
Operator ID: vtp ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

41 Cyclohexane, CAS: 110-82-7

Signal: 1

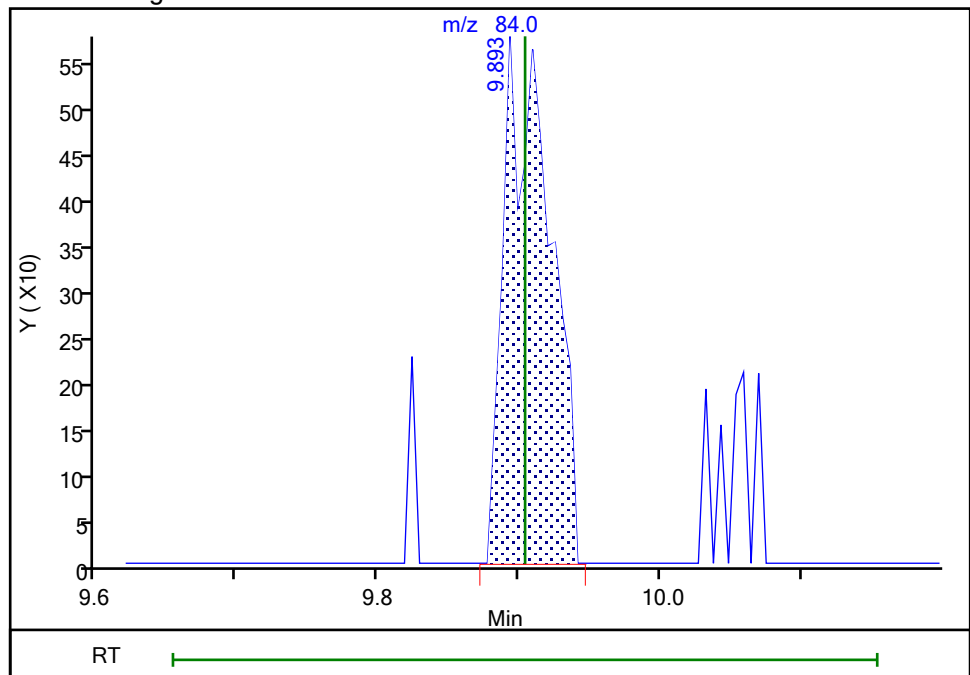
RT: 9.91
Area: 965
Amount: 0.023275
Amount Units: ppb v/v

Processing Integration Results



RT: 9.89
Area: 1300
Amount: 0.031356
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 20-Mar-2023 08:39:05
Audit Action: Manually Integrated

Audit Reason: Baseline
Page 333 of 919

3/21/2023 4:48
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#:

19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

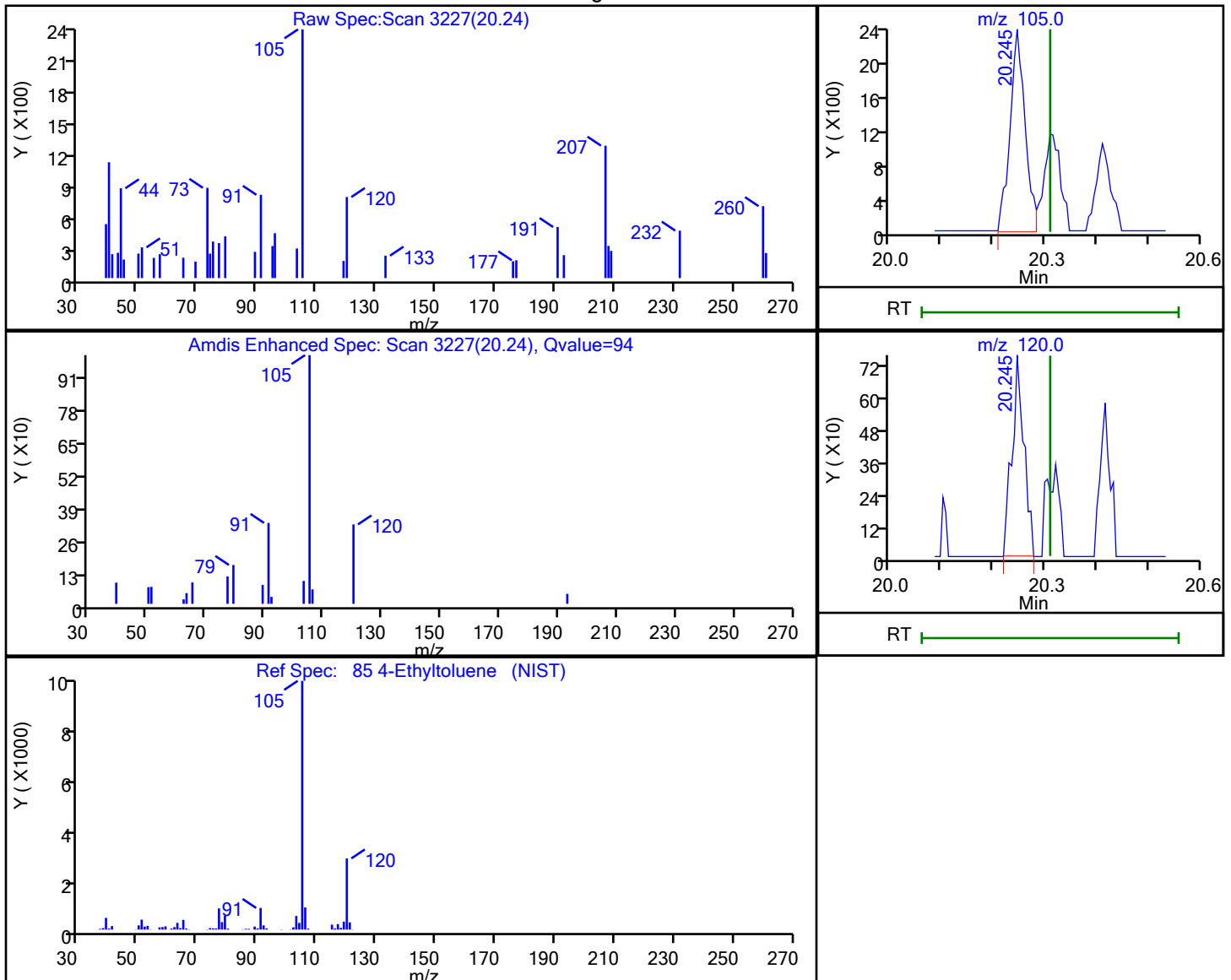
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

85 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
20.24	105.00	4704	0.035025
20.24	120.00	1231	

Reviewer: BKZ7, 20-Mar-2023 08:39:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#:

19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

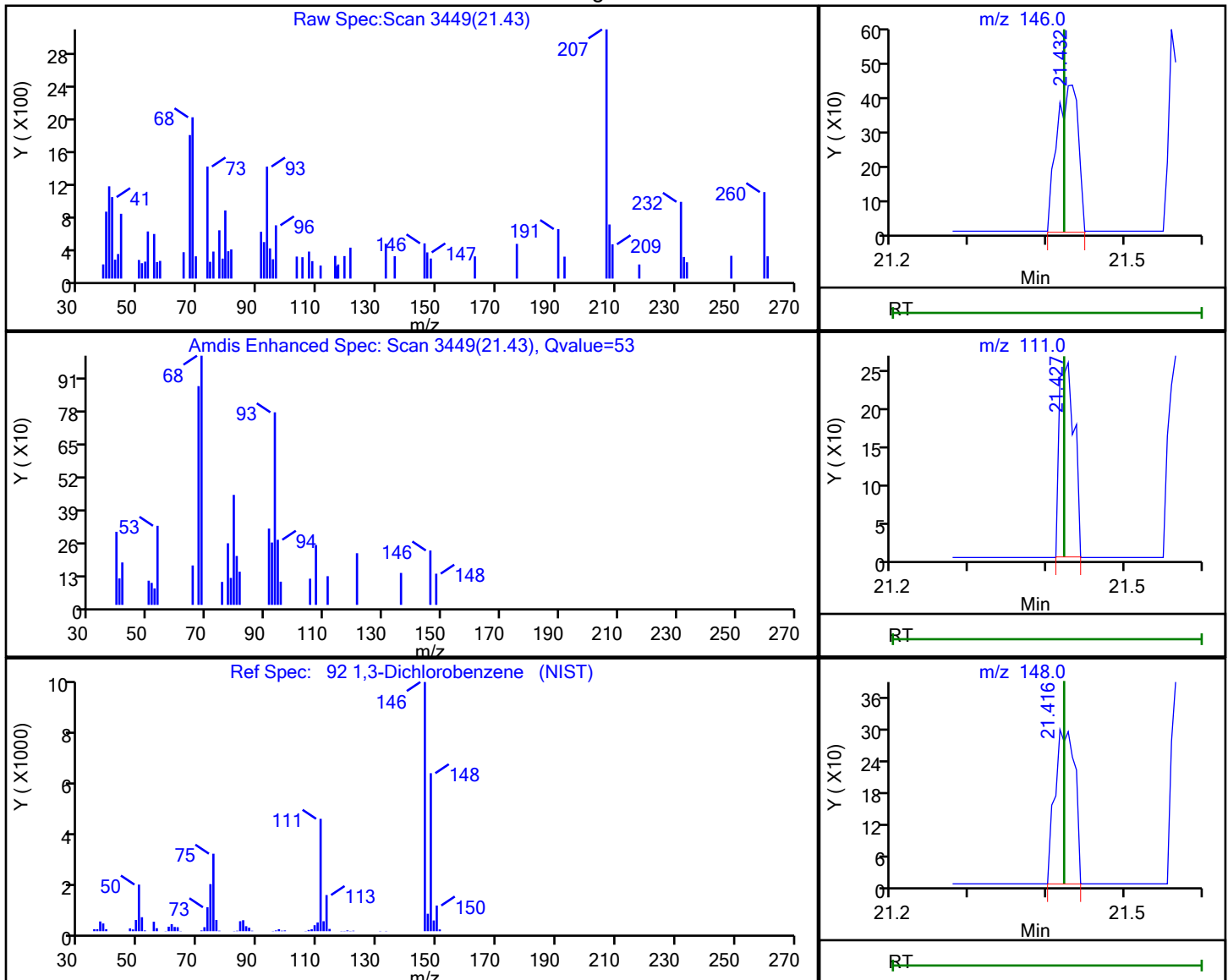
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

92 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
21.43	146.00	819	0.010250
21.43	111.00	338	
21.42	148.00	531	

Reviewer: BKZ7, 20-Mar-2023 08:39:37

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#:

19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

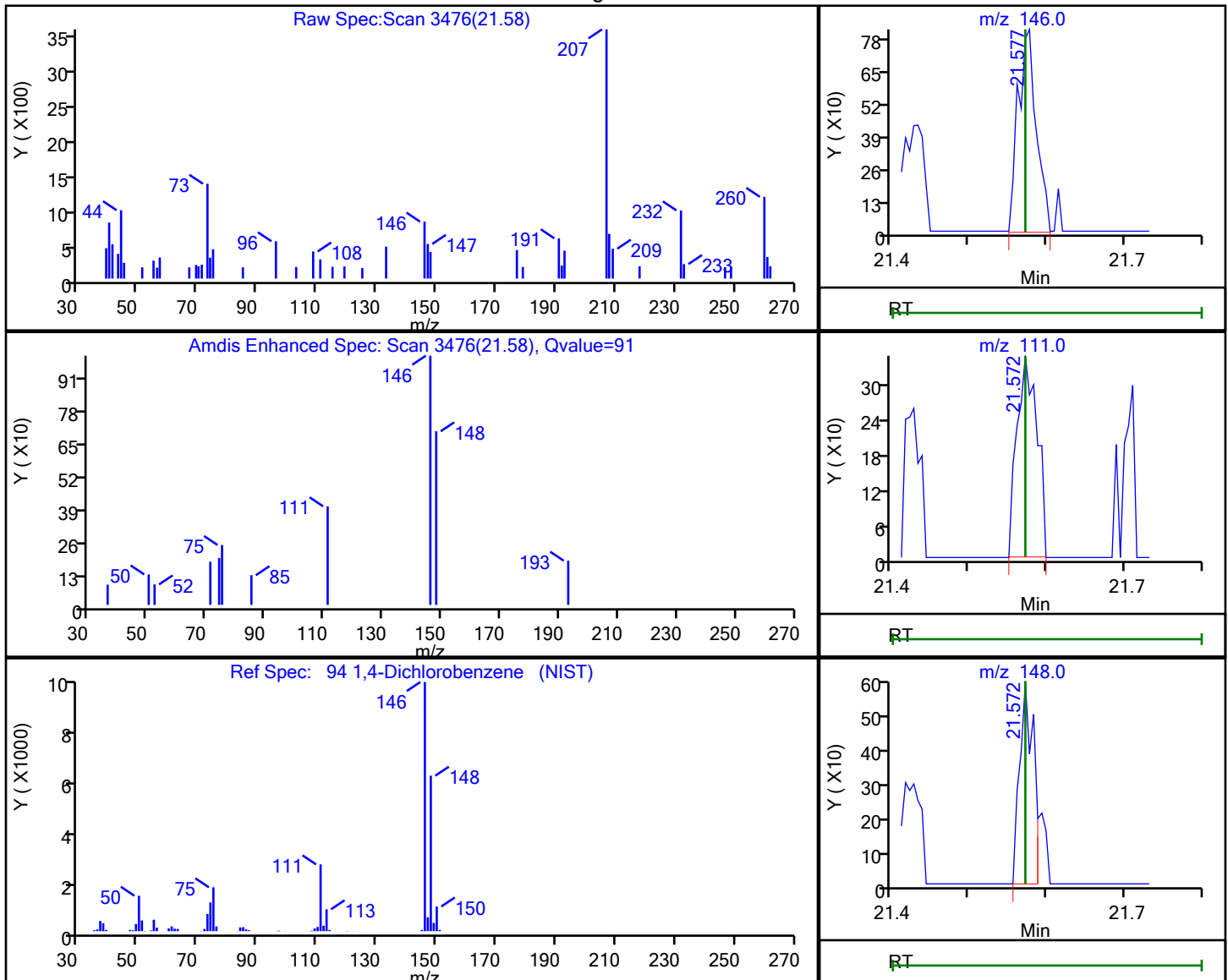
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

94 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
21.58	146.00	1335	0.016552
21.57	111.00	619	
21.57	148.00	749	

Reviewer: BKZ7, 20-Mar-2023 08:39:39

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

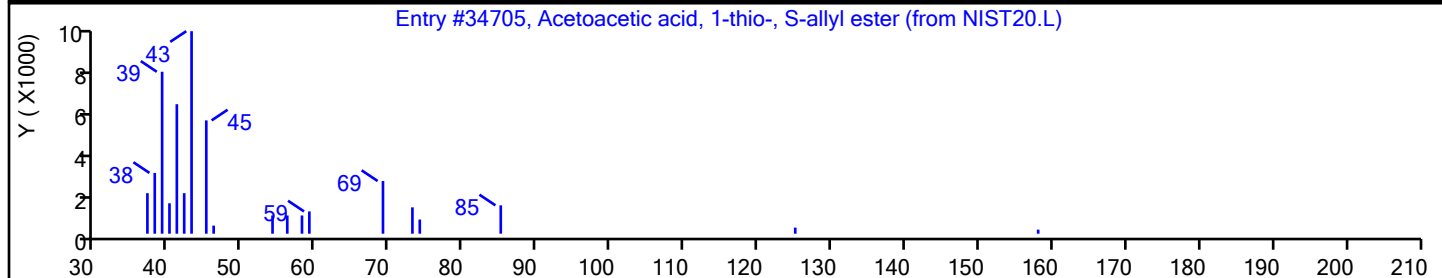
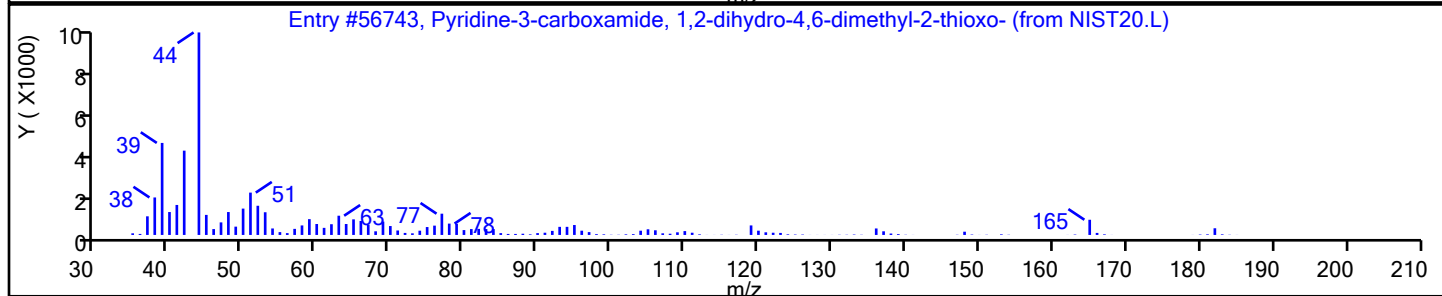
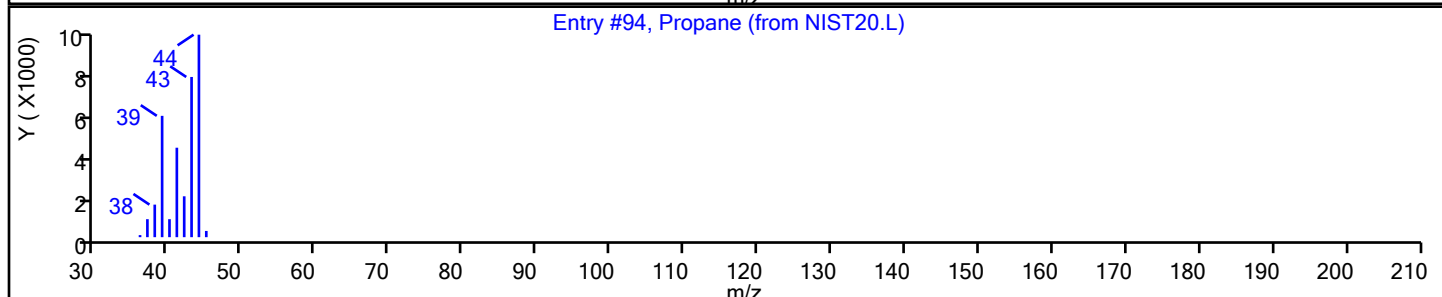
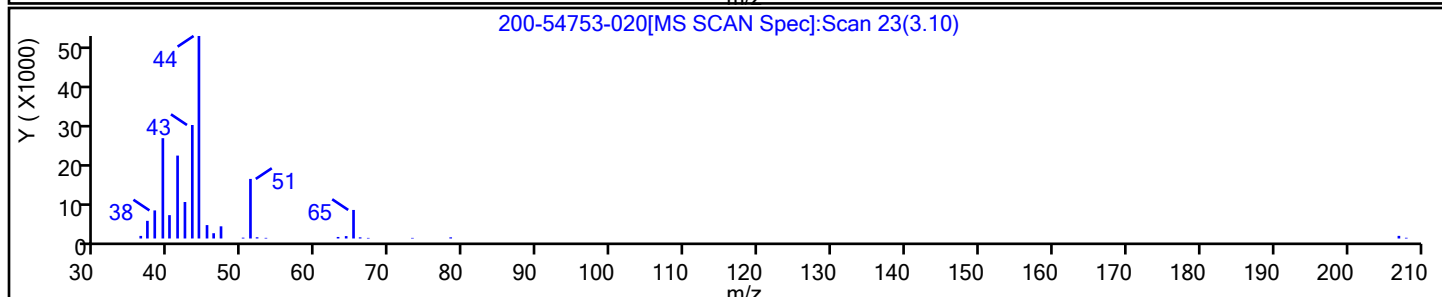
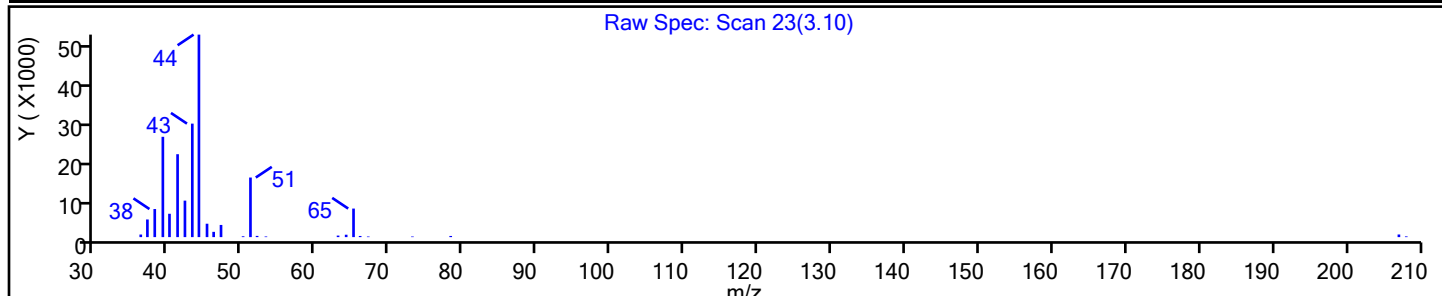
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Unknown						
Propane	74-98-6	NIST20.L	94	C3H8	44	59
Pyridine-3-carboxamide, 1,2-dihydro-4,6-dimethyl	79927-21-2	NIST20.L	56743	C8H10N2OS	182	39
Acetoacetic acid, 1-thio-, S-allyl ester	15780-65-1	NIST20.L	34705	C7H10O2S	158	12



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-020.D

Injection Date: 20-Mar-2023 02:34:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-3

Lab Sample ID: 200-67137-3

Client ID: CLEANER-1

Operator ID: vtp

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

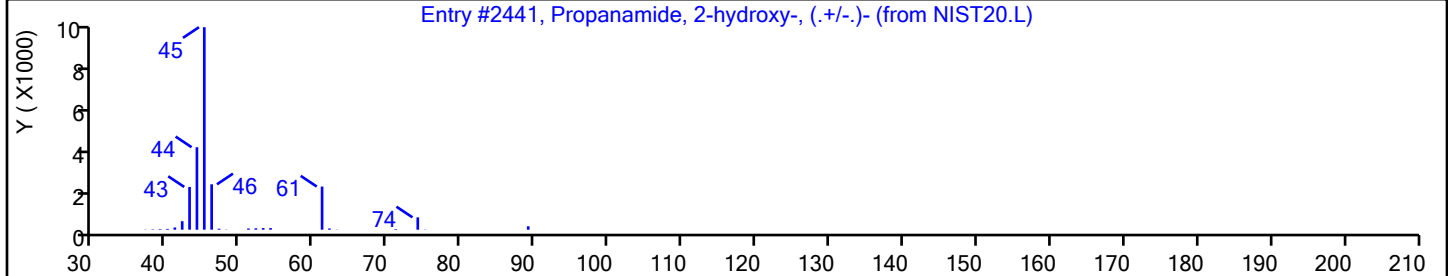
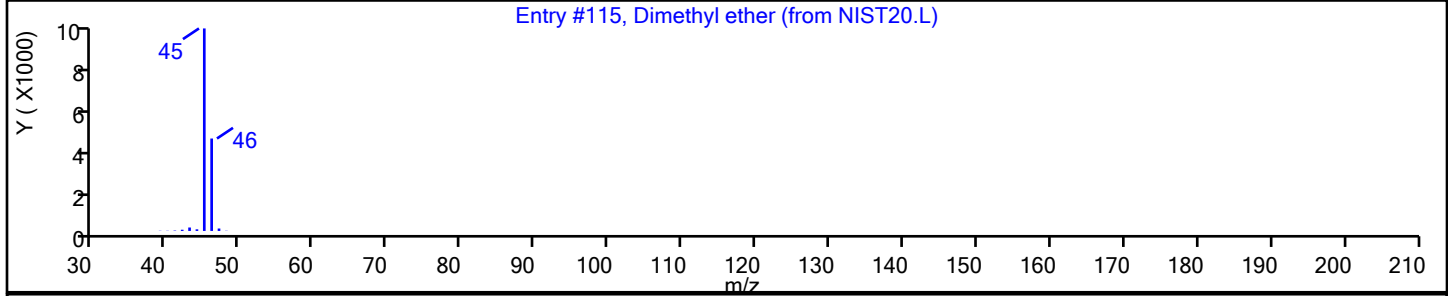
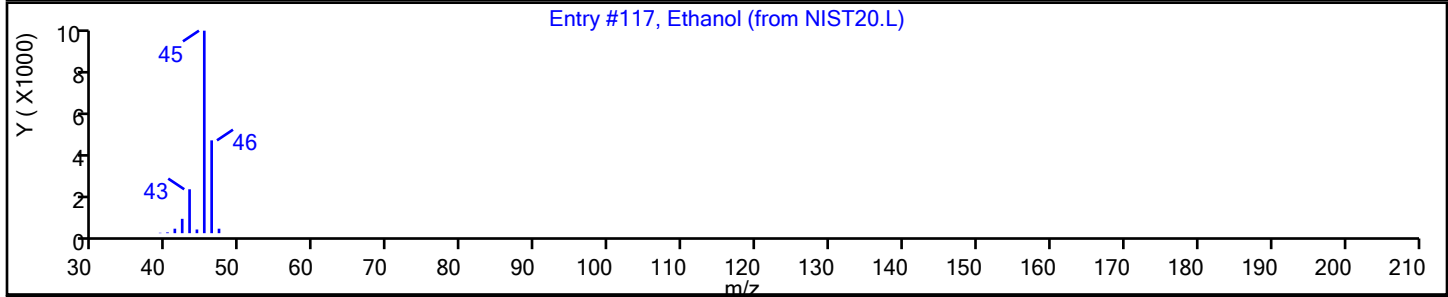
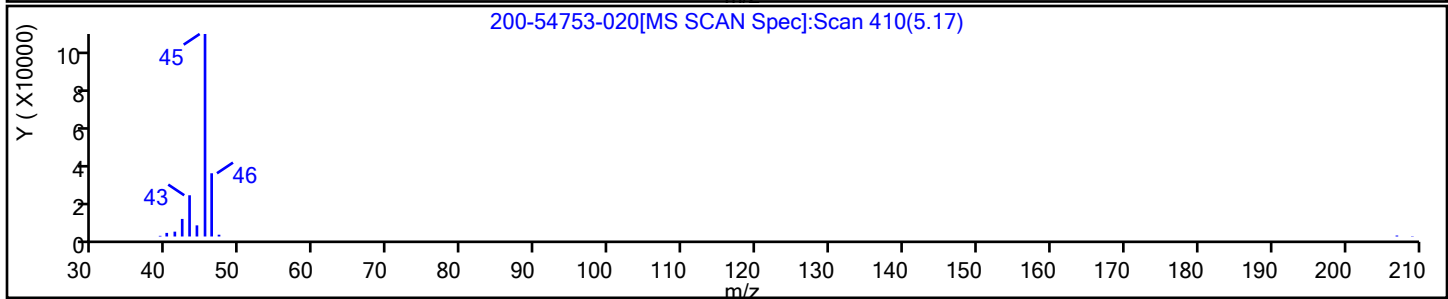
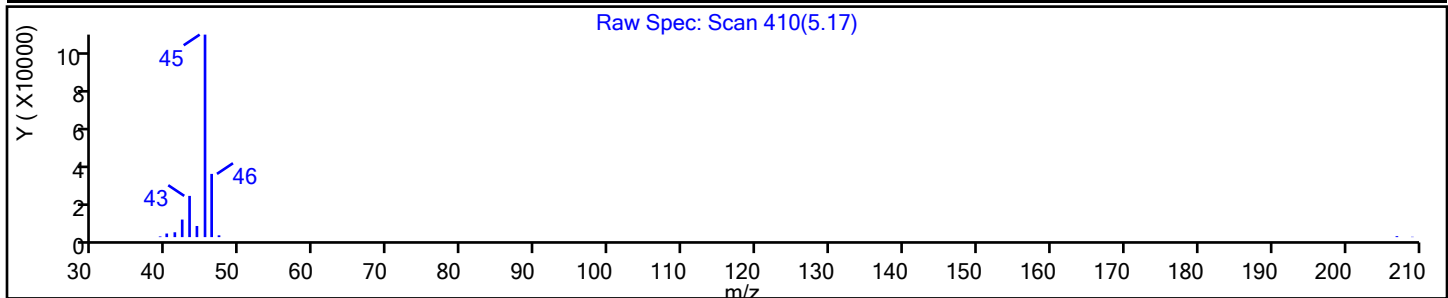
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Unknown						
Ethanol	64-17-5	NIST20.L	117	C2H6O	46	43
Dimethyl ether	115-10-6	NIST20.L	115	C2H6O	46	9
Propanamide, 2-hydroxy-, (+/-)-	998452-75-8	NIST20.L	2441	C3H7NO2	89	9



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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-2 Lab Sample ID: 200-67137-4

Matrix: Air Lab File ID: 200-54759-012.D

Analysis Method: TO-15 Date Collected: 03/02/2023 17:43

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:00

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.: 189486 Units: ppb v/v

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	Freon 22	86.47	0.97		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		0.50	0.15
106-97-8	n-Butane	58.12	9.7		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	J	0.20	0.050
76-13-1	Freon TF	187.38	0.054	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.026
67-64-1	Acetone	58.08	5.4		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	11		5.0	1.6
75-15-0	Carbon disulfide	76.14	1.1		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	0.35	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	0.33	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	72.11	0.54		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.044		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-2 Lab Sample ID: 200-67137-4

Matrix: Air Lab File ID: 200-54759-012.D

Analysis Method: TO-15 Date Collected: 03/02/2023 17:43

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:00

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.22		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	0.25		0.20	0.055
79-01-6	Trichloroethene	131.39	0.035	U	0.035	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	1.3
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	methyl isobutyl ketone	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.39		0.20	0.042
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	0.028	J	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	0.088	J	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.14	J	0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.27	J	0.50	0.095
95-47-6	Xylene, o-	106.17	0.15	J	0.20	0.052
1330-20-7	Xylene (total)	106.17	0.42	J	0.70	0.052
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	0.043	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	0.077	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.079	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.093	J	0.20	0.047
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	0.32		0.20	0.080

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: CLEANER-2 Lab Sample ID: 200-67137-4
 Matrix: Air Lab File ID: 200-54759-012.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 17:43
 Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:00
 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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.086	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
87-61-6	1,2,3-Trichlorobenzene	181.40	0.50	U	0.50	0.32

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-2 Lab Sample ID: 200-67137-4

Matrix: Air Lab File ID: 200-54759-012.D

Analysis Method: TO-15 Date Collected: 03/02/2023 17:43

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:00

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.: 189486 Units: ug/m3

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	Freon 22	86.47	3.4		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		1.0	0.31
106-97-8	n-Butane	58.12	23		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	J	1.1	0.28
76-13-1	Freon TF	187.38	0.42	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.10
67-64-1	Acetone	58.08	13		12	3.8
67-63-0	Isopropyl alcohol	60.10	27		12	3.9
75-15-0	Carbon disulfide	76.14	3.3		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	1.2	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	1.1	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	72.11	1.6		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.28		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-2 Lab Sample ID: 200-67137-4

Matrix: Air Lab File ID: 200-54759-012.D

Analysis Method: TO-15 Date Collected: 03/02/2023 17:43

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:00

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.69		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	1.0		0.82	0.23
79-01-6	Trichloroethene	131.39	0.19	U	0.19	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	4.7
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	methyl isobutyl ketone	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	1.5		0.75	0.16
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	0.19	J	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	0.41	J	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.61	J	0.87	0.23
179601-23-1	m,p-Xylene	106.17	1.2	J	2.2	0.41
95-47-6	Xylene, o-	106.17	0.65	J	0.87	0.23
1330-20-7	Xylene (total)	106.17	1.8	J	3.0	0.23
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	0.21	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	0.38	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.39	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.46	J	0.98	0.23
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	1.6		0.98	0.39

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: CLEANER-2 Lab Sample ID: 200-67137-4
Matrix: Air Lab File ID: 200-54759-012.D
Analysis Method: TO-15 Date Collected: 03/02/2023 17:43
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:00
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	0.47	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
87-61-6	1,2,3-Trichlorobenzene	181.40	3.7	U	3.7	2.4

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: CLEANER-2 Lab Sample ID: 200-67137-4
Matrix: Air Lab File ID: 200-54759-012.D
Analysis Method: TO-15 Date Collected: 03/02/2023 17:43
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:00
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.: 189486 Units: ppb v/v
Number TICs Found: 2 TIC Result Total: 3.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	5.16	2.3	J	
541-05-9	Cyclotrisiloxane, hexamethyl-	15.12	1.2	J N	91%

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D
 Lims ID: 200-67137-A-4
 Client ID: CLEANER-2
 Sample Type: Client
 Inject. Date: 20-Mar-2023 17:00:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-012
 Misc. Info.: 67137-4
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:31:45 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: BKZ7

Date: 21-Mar-2023 08:31:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	42310	0.4693	
3 Chlorodifluoromethane	51	3.179	3.179	0.000	97	50299	0.9660	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50	3.463	3.458	0.005	98	14599	0.5039	
6 Vinyl chloride	62		3.656				ND	
7 Butane	43	3.661	3.661	0.000	96	349580	9.69	
8 Butadiene	54		3.730				ND	7
9 Bromomethane	94		4.228				ND	7
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101	4.881	4.870	0.011	96	12854	0.1891	
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.806	5.799	0.011	90	3437	0.0545	
19 Acetone	43	5.838	5.827	0.011	99	208918	5.41	
22 Isopropyl alcohol	45	6.116	6.084	0.032	100	517355	11.0	
23 Carbon disulfide	76	6.149	6.143	0.006	100	92997	1.06	
25 3-Chloro-1-propene	41		6.395				ND	MU
26 Methylene Chloride	49	6.609	6.603	0.006	95	13035	0.3489	
27 2-Methyl-2-propanol	59	6.924	6.817	0.107	96	13206	0.2478	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57	7.604	7.604	0.000	91	13236	0.3257	
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.823	8.807	0.016	99	6900	0.5385	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	95	290996	10.0	
38 Tetrahydrofuran	42		9.315				ND	7
39 Chloroform	83	9.423	9.428	0.001	90	2518	0.0323	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84	9.899	9.899	-0.005	36	1161	0.0278	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117	10.054	10.043	0.011	96	3318	0.0444	
44 Benzene	78	10.412	10.412	0.000	96	23368	0.2163	
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43	11.011	11.017	-0.006	93	18574	0.2495	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	95	1513049	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.334	14.333	0.006	93	29164	0.3932	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166	15.398	15.398	0.000	88	1775	0.0275	M
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.190	17.190	0.000	89	1364019	10.0	
72 Chlorobenzene	112	17.260	17.260	0.006	96	8690	0.0884	
73 Ethylbenzene	91	17.468	17.474	0.000	100	22691	0.1409	
74 m-Xylene & p-Xylene	106	17.747	17.747	-0.005	0	14894	0.2706	
76 o-Xylene	106	18.560	18.576	0.000	98	8627	0.1507	
77 Styrene	104		18.597				ND	MU
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105	19.325	19.336	-0.005	94	6532	0.0429	
S 82 Xylenes, Total	106				0		0.4213	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91	20.101	20.101	0.006	97	14500	0.0775	
84 2-Chlorotoluene	91		20.245				ND	MU
85 4-Ethyltoluene	105	20.309	20.315	0.000	97	11422	0.0793	
86 1,3,5-Trimethylbenzene	105	20.411	20.417	0.000	91	11149	0.0927	
89 tert-Butylbenzene	119		20.914				ND	7
90 1,2,4-Trimethylbenzene	105	21.005	21.011	0.000	94	39175	0.3214	
91 sec-Butylbenzene	105	21.256	21.263	0.000	91	2777	0.0167	
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119	21.481	21.487	0.000	96	11163	0.0860	
94 1,4-Dichlorobenzene	146	21.572	21.578	0.000	90	7131	0.0824	
95 Benzyl chloride	91		21.721				ND	MU
97 n-Butylbenzene	91		22.048				ND	MU
96 1,2-Dichlorobenzene	146		22.069				ND	MU
100 1,2,4-Trichlorobenzene	180		24.519				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128	24.996	25.003	0.001	98	26080	0.1947	
103 1,2,3-Trichlorobenzene	180		25.402				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington
Tentatively Identified Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D
 Lims ID: 200-67137-A-4
 Client ID: CLEANER-2
 Sample Type: Client
 Inject. Date: 20-Mar-2023 17:00:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-012
 Misc. Info.: 67137-4
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:31:45 Calib Date: 10-Mar-2023 19:06:30
 Tic RT Window: 0.000 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\chromfs\Burlington\Database\NIST20.L
 Min. Match: 1
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647
 First Level Reviewer: BKZ7 Date: 21-Mar-2023 08:31:45

Tentative Identified Compound Results

RT	Area	Amount ppb v/v	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
Unknown								
5.164	515609	2.27	37	0	0		0	
541-05-9 Cyclotrisiloxane, hexamethyl-								
15.120	523272	1.17	71	91	100748	C6H18O3Si3	222	

Quantitation Compounds

Compound	RT	Area	Amount ppb v/v
* 37 Chlorobromomethane	9.241	2274129	10.0
* 71 Chlorobenzene-d5	17.190	4462608	10.0

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Worklist Smp#: 12

Client ID: CLEANER-2

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

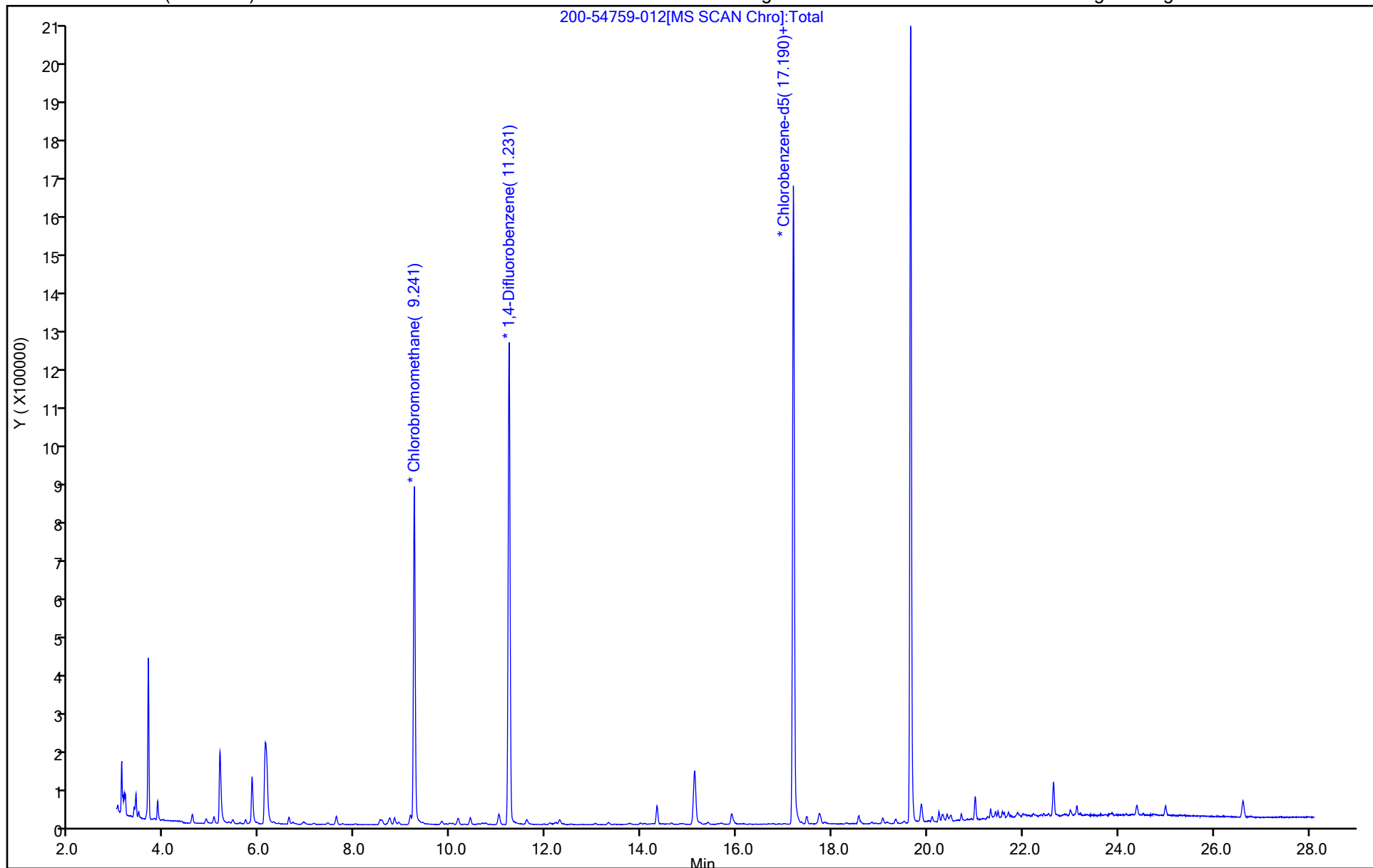
ALS Bottle#: 11

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

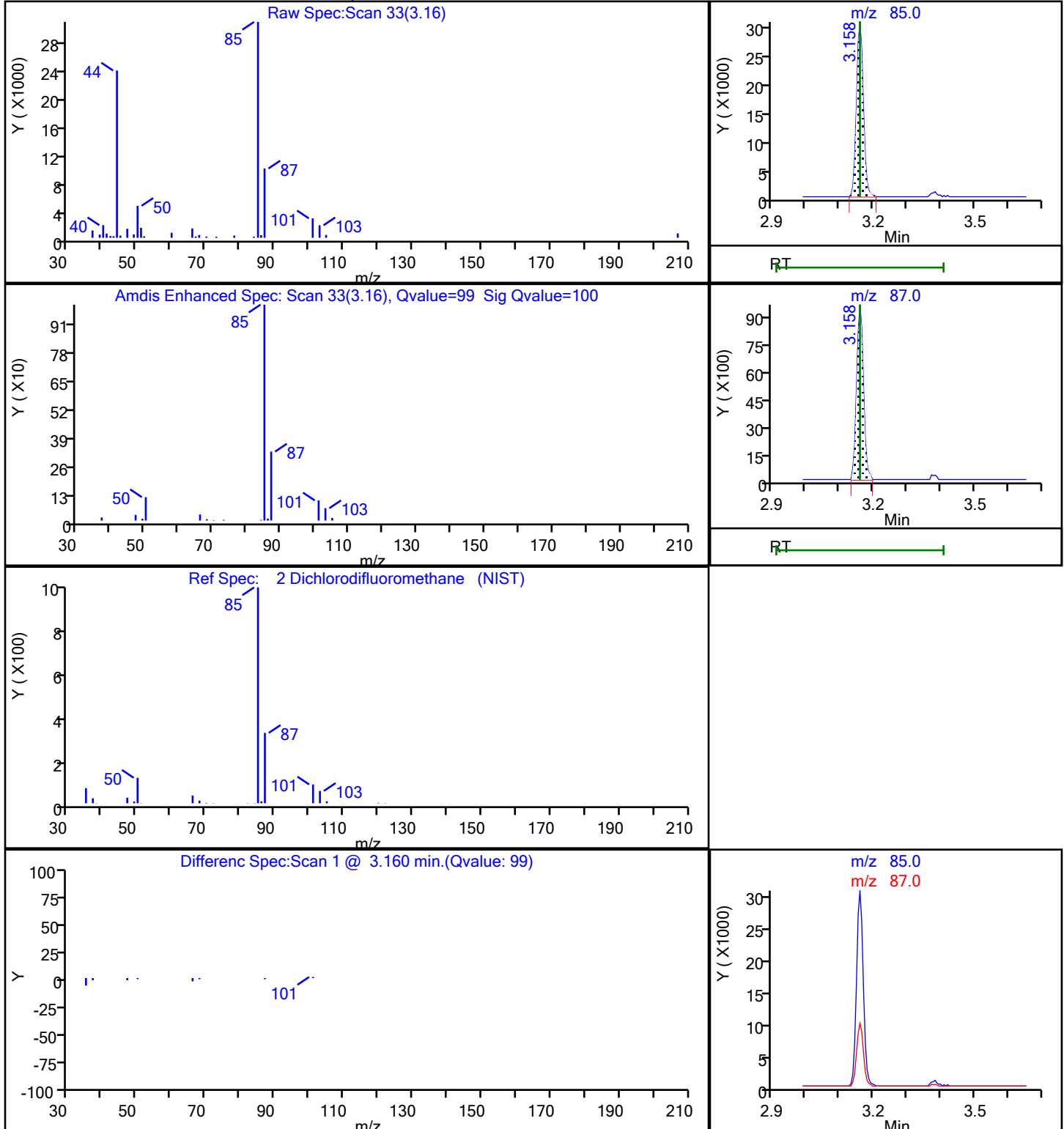
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

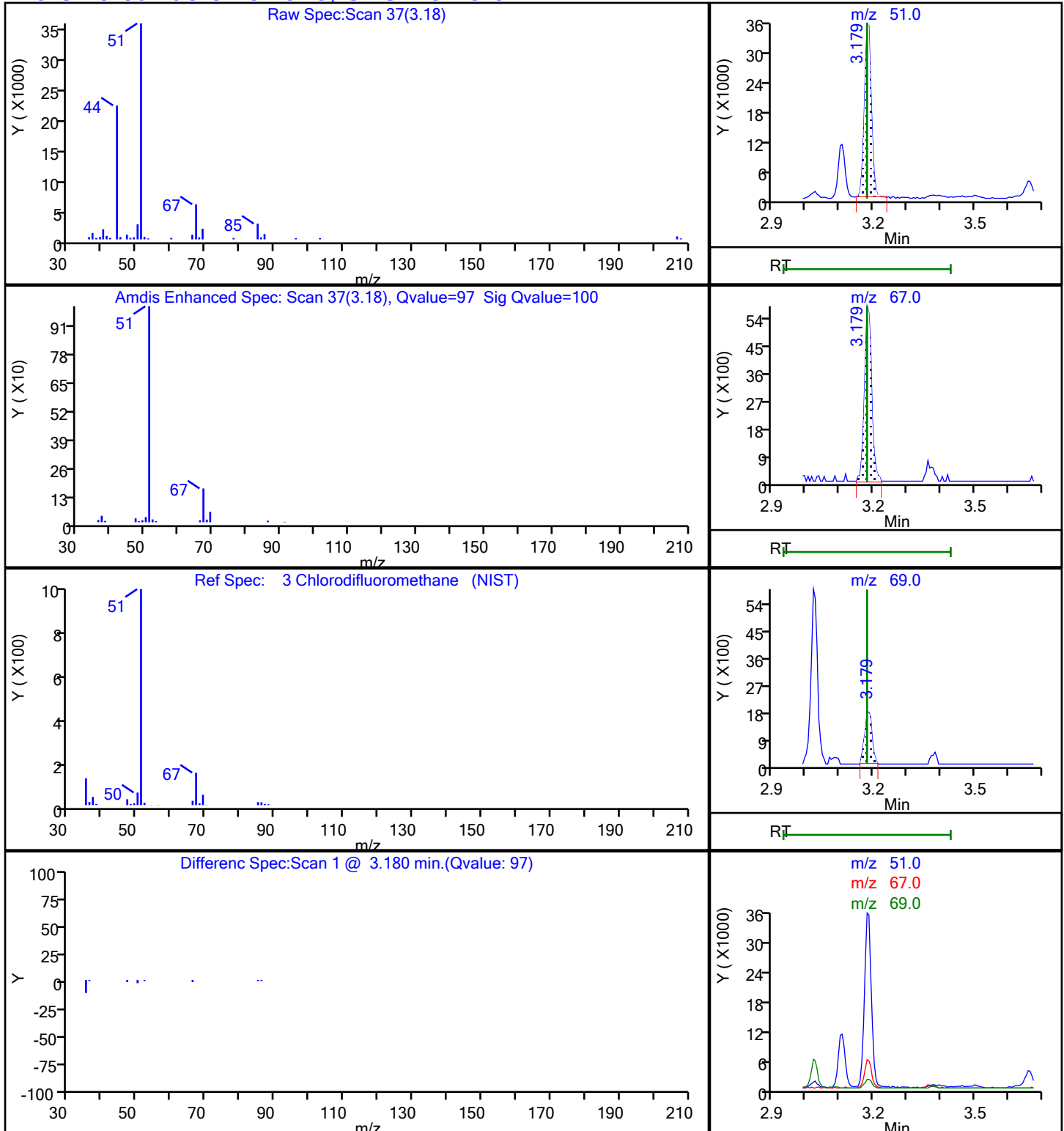
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Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

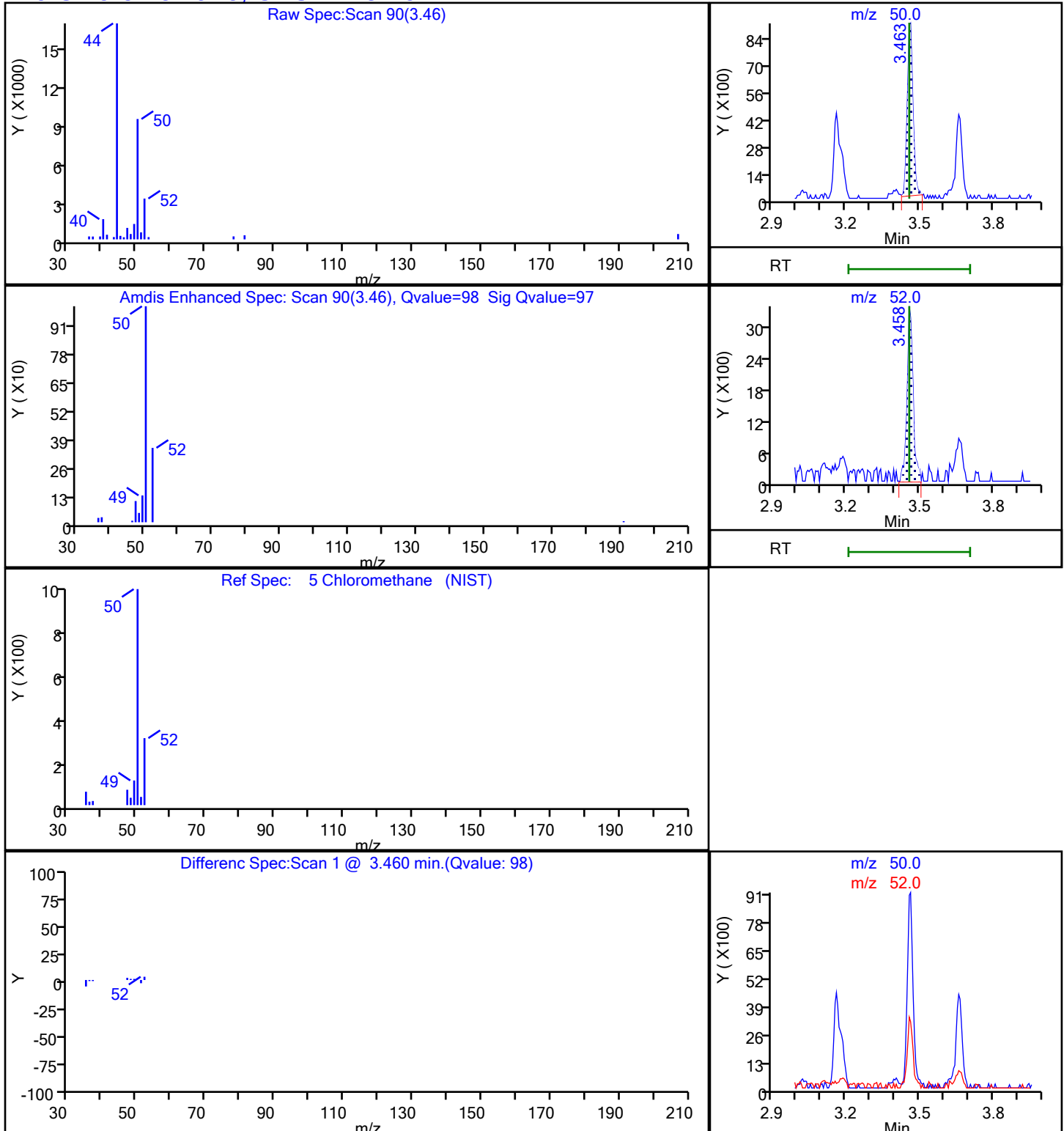
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

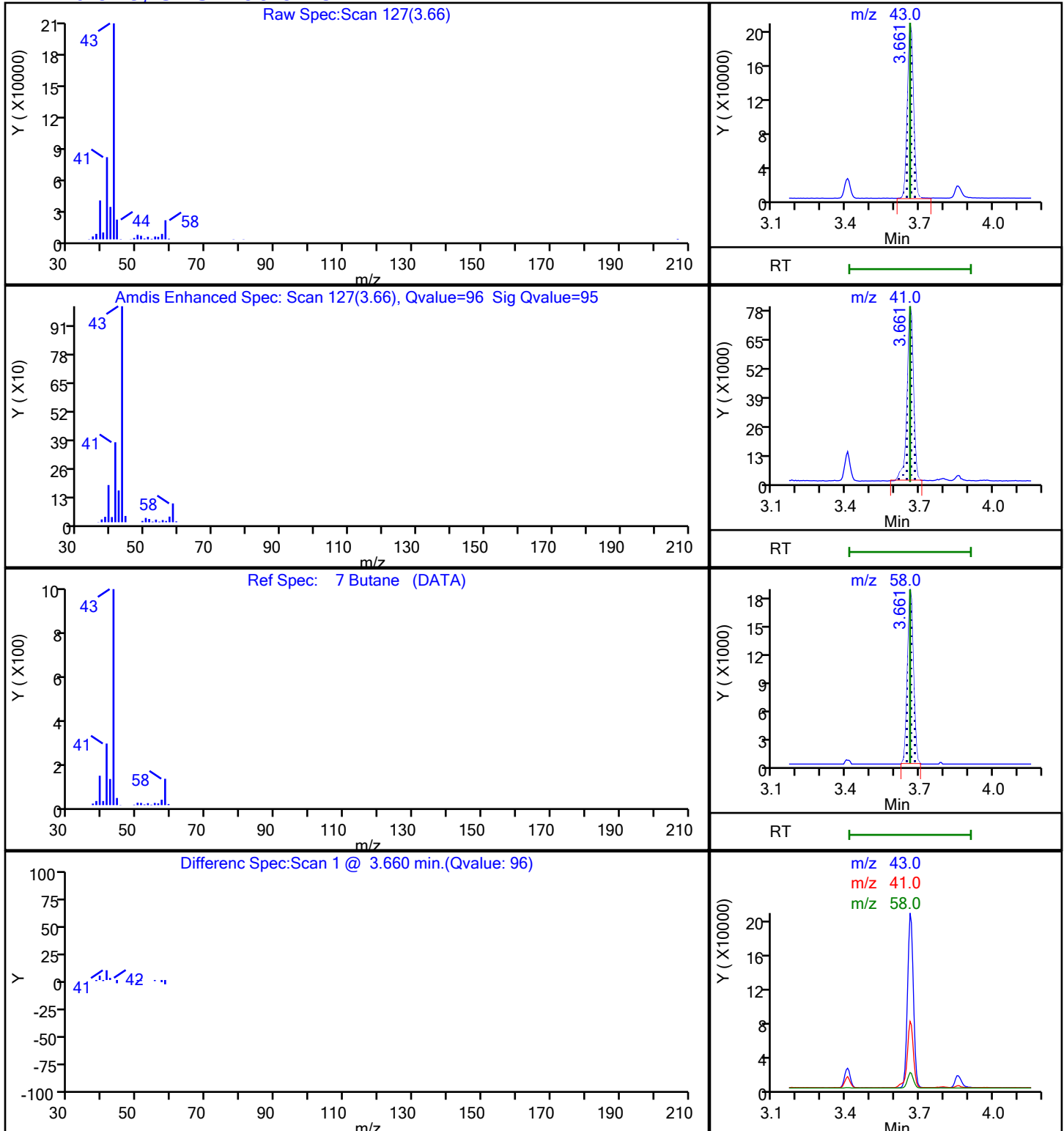
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

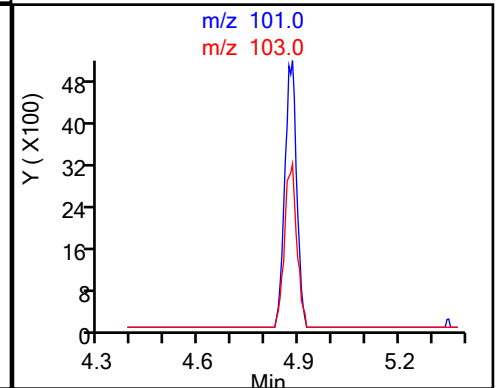
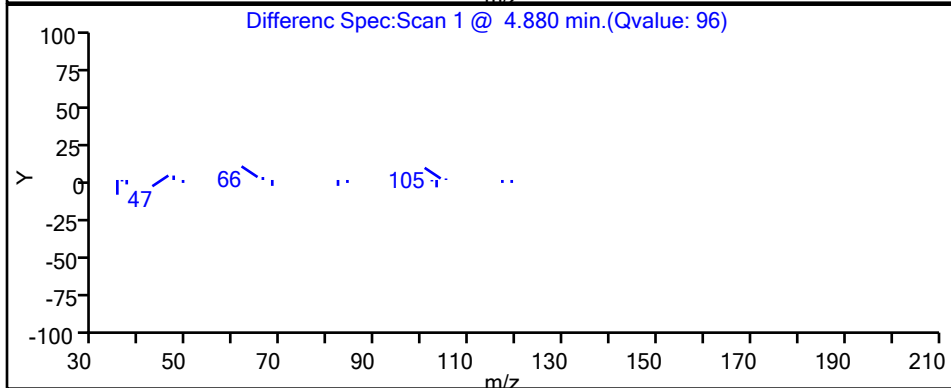
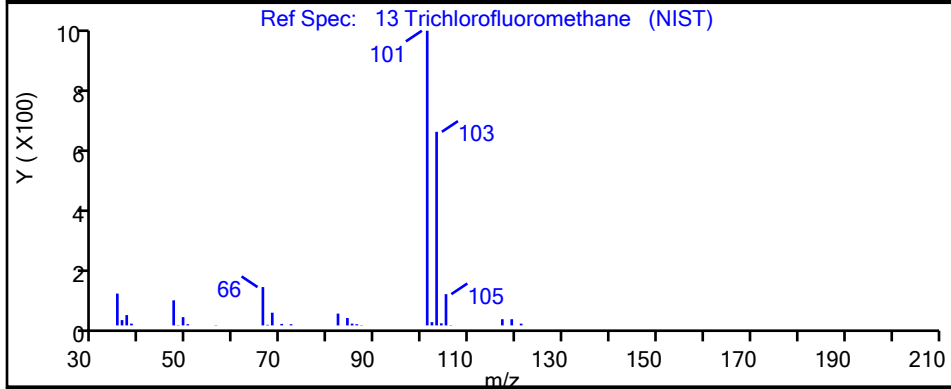
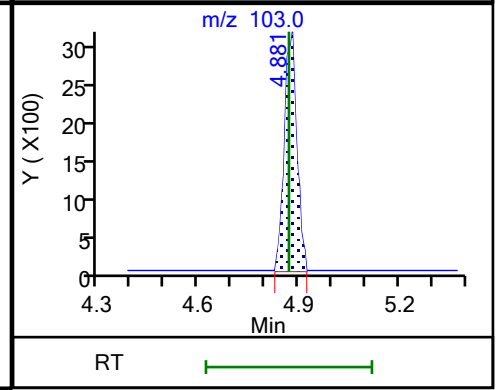
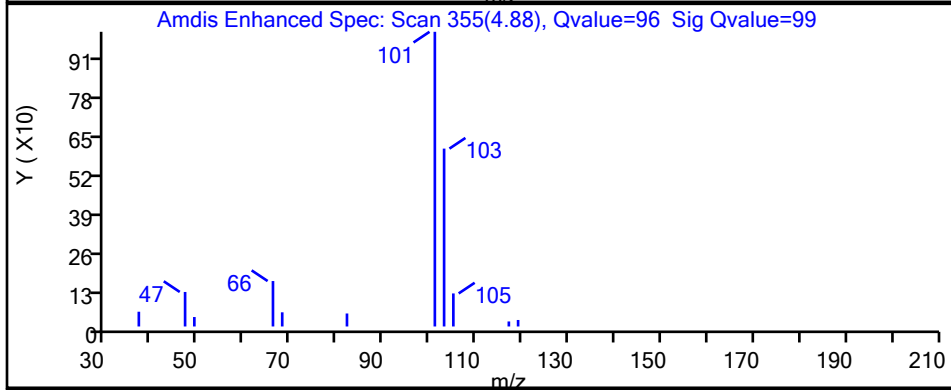
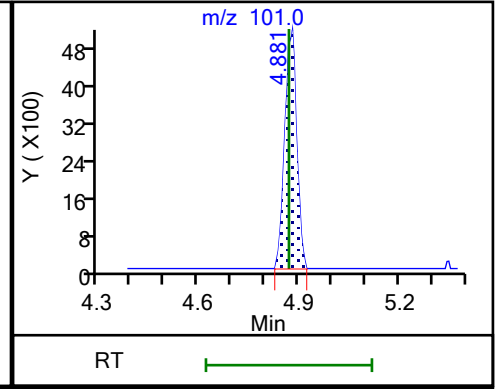
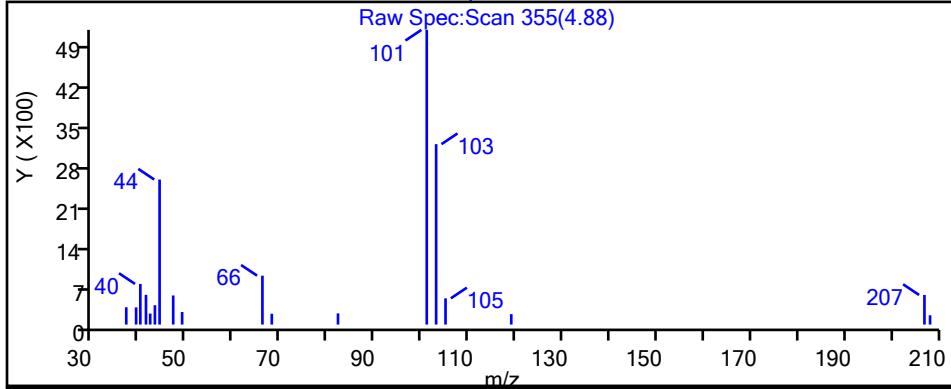
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

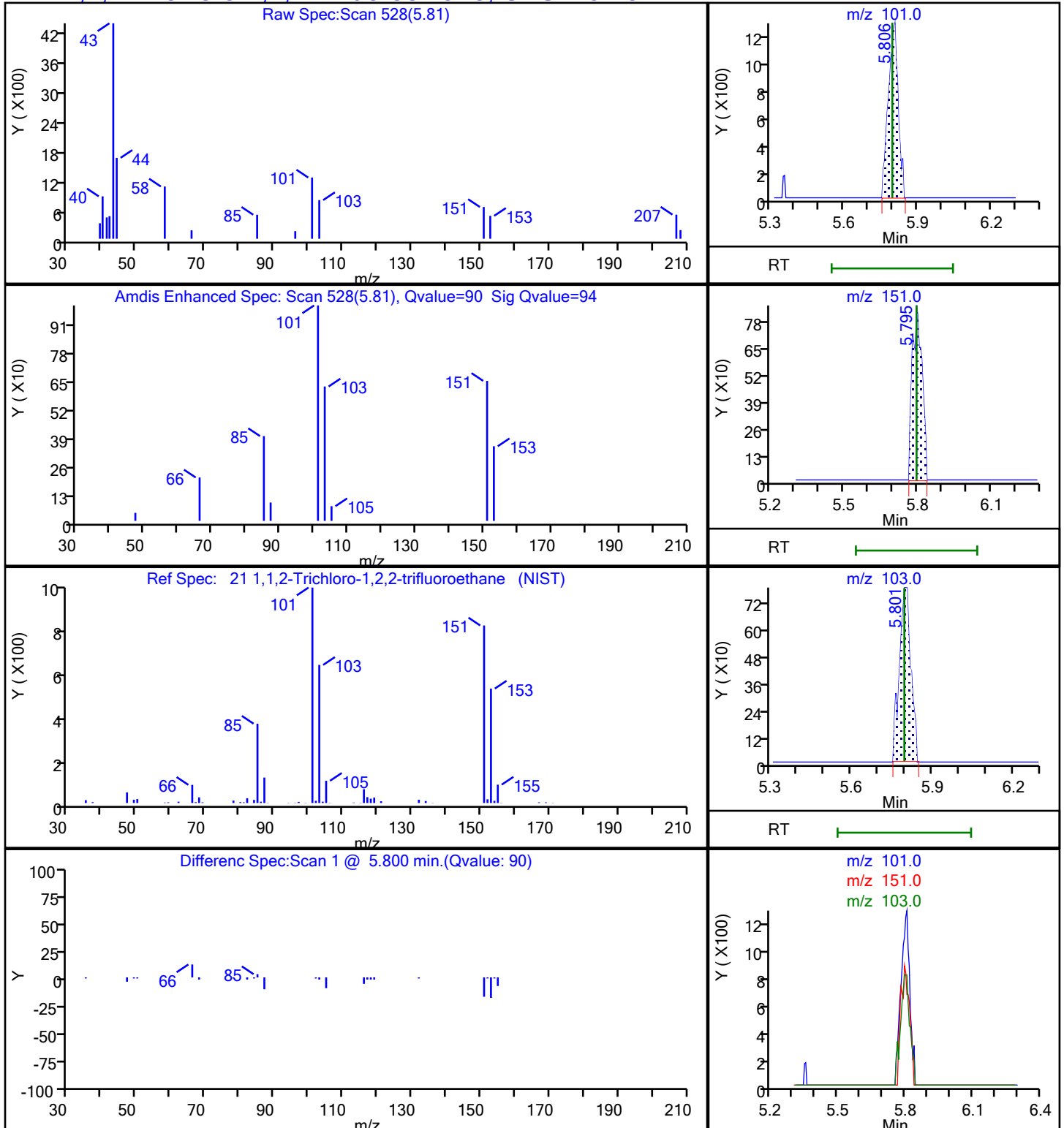
Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

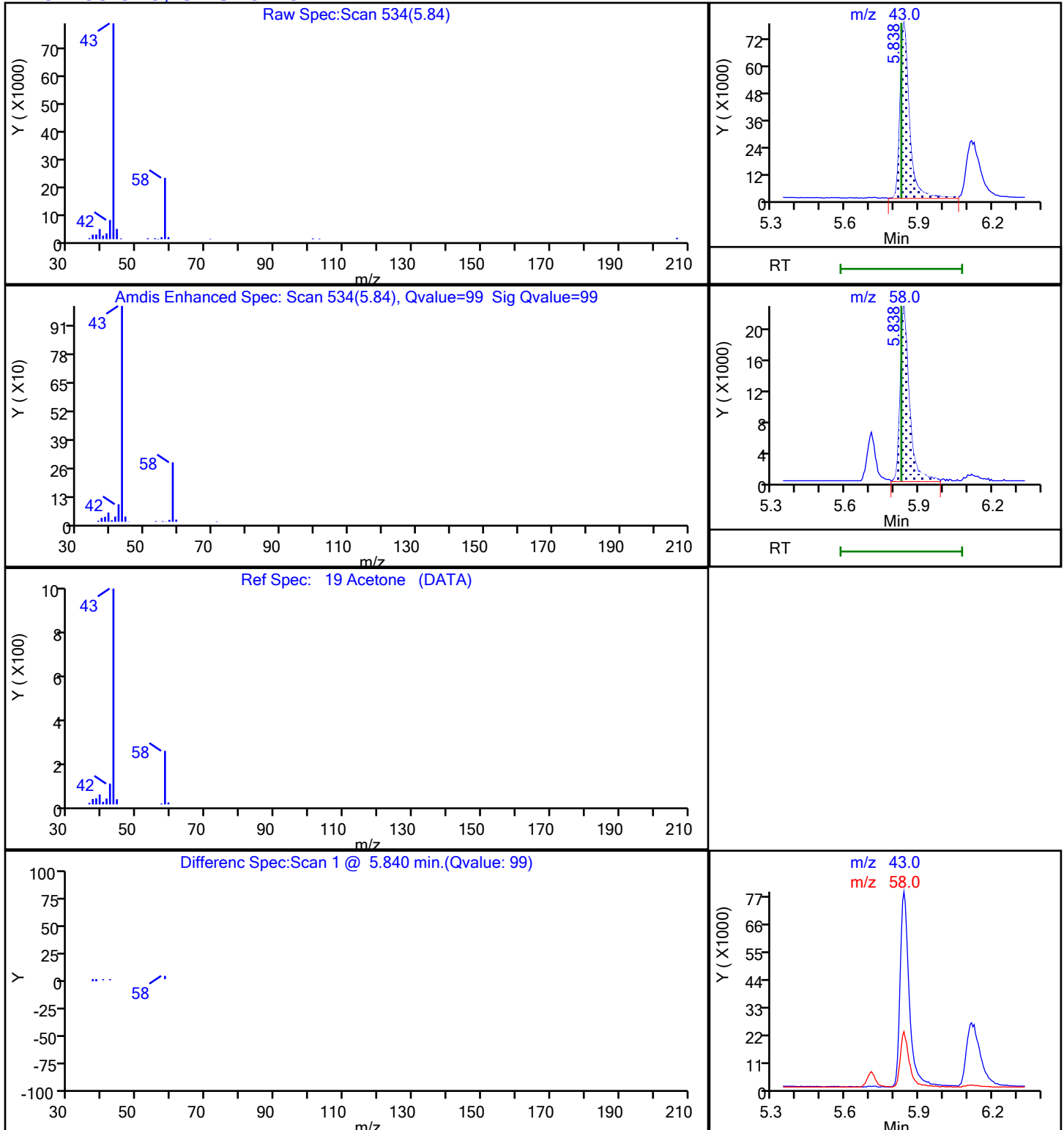
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

19 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

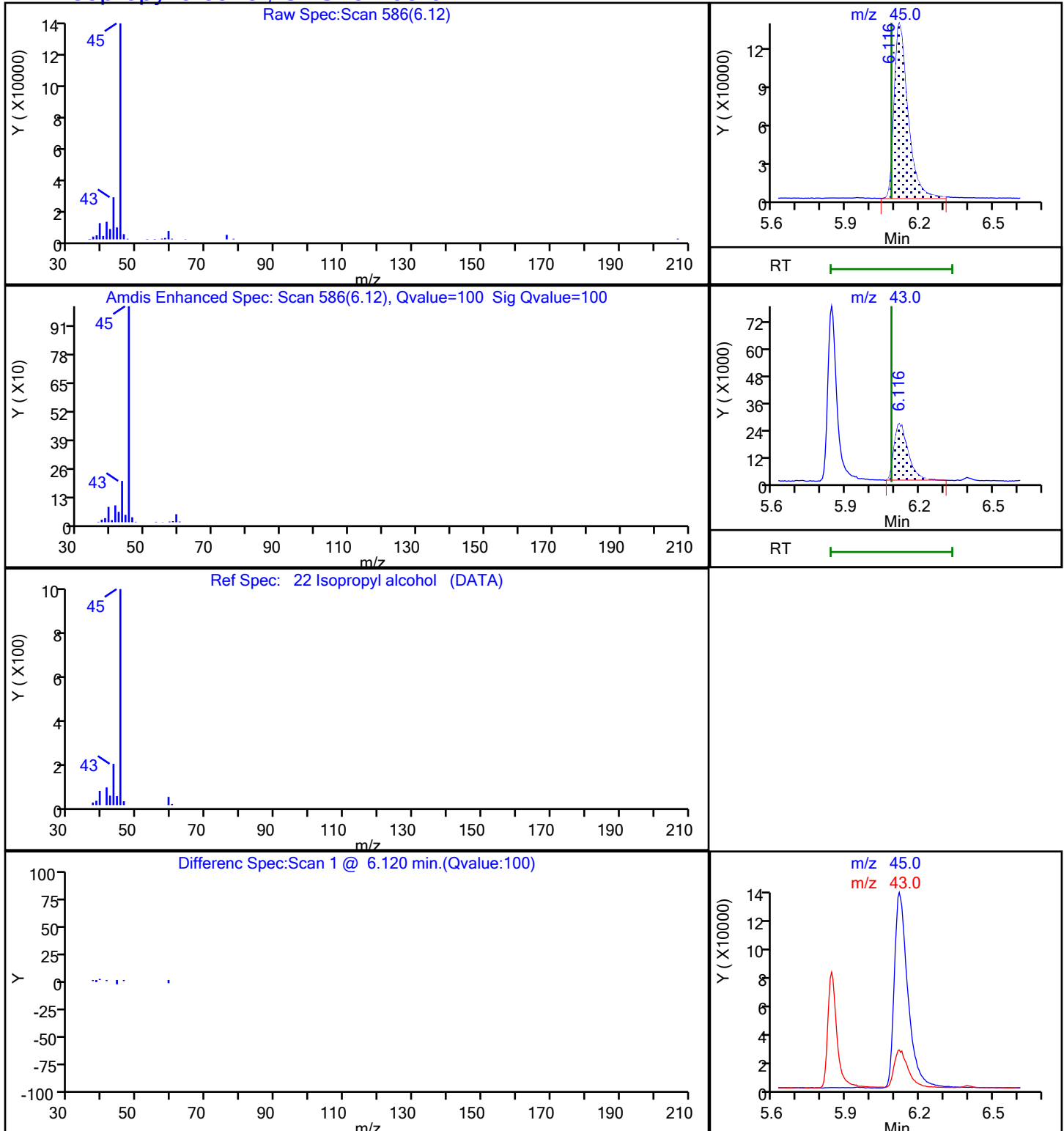
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Isopropyl alcohol, CAS: 67-63-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

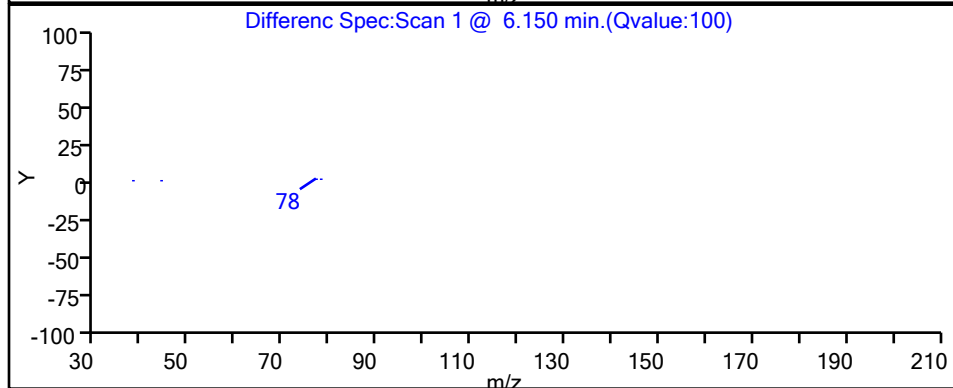
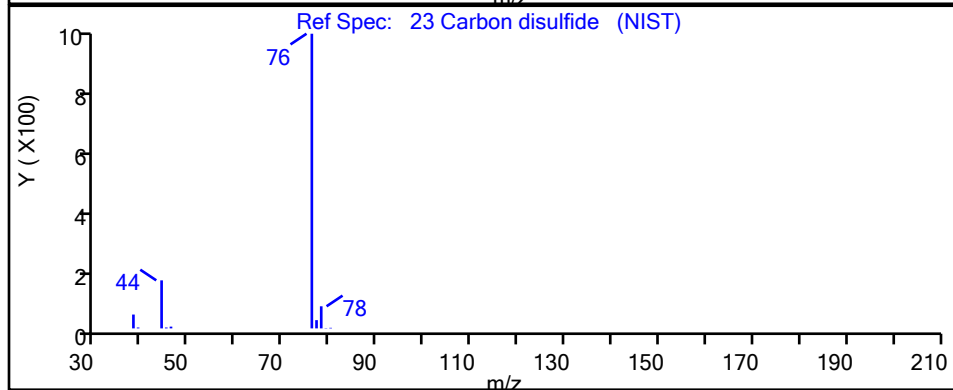
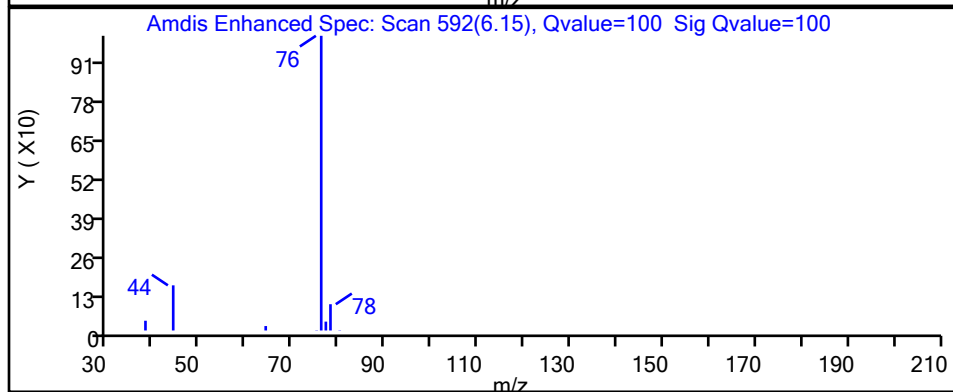
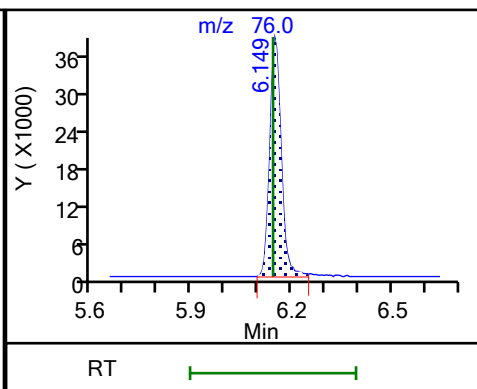
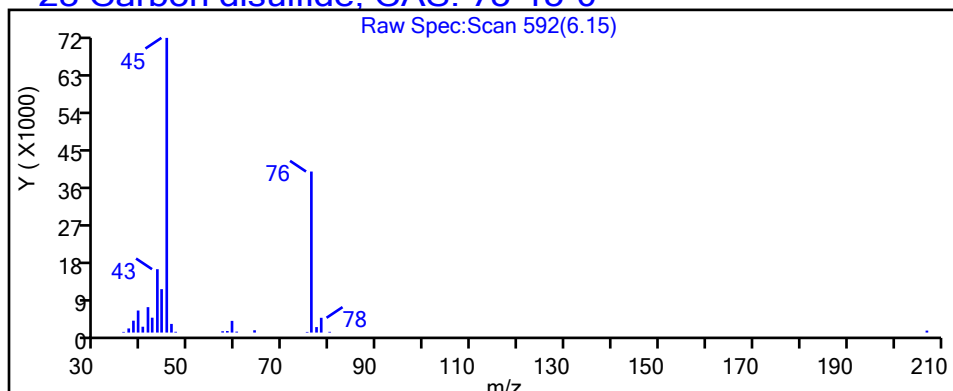
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

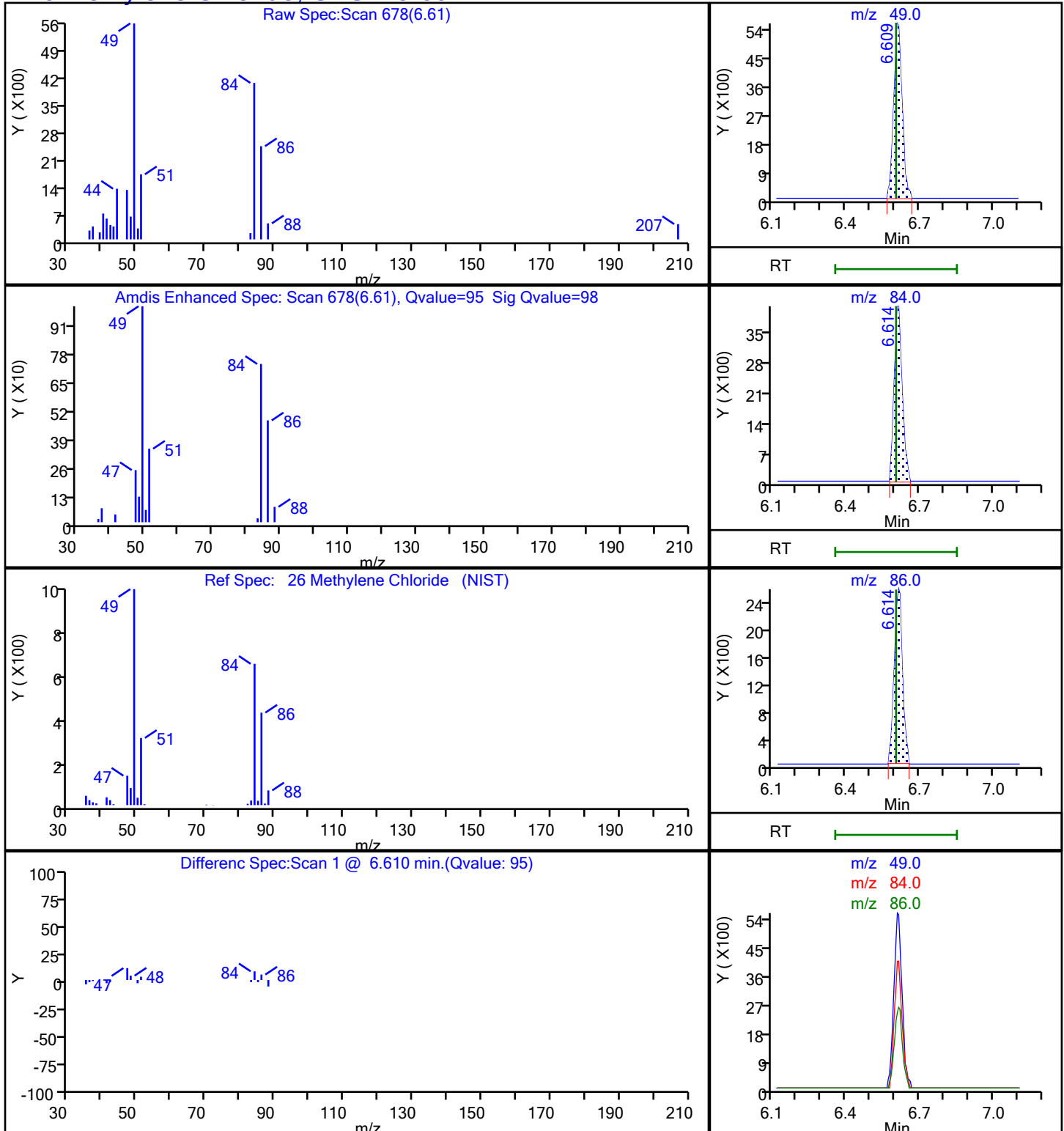
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

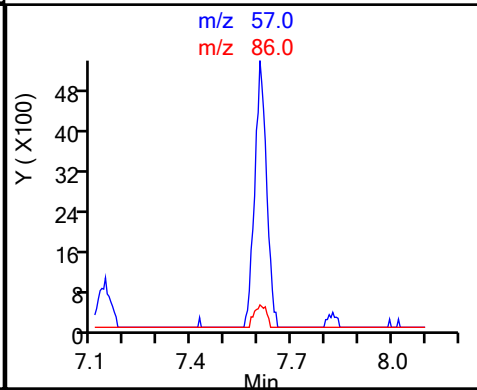
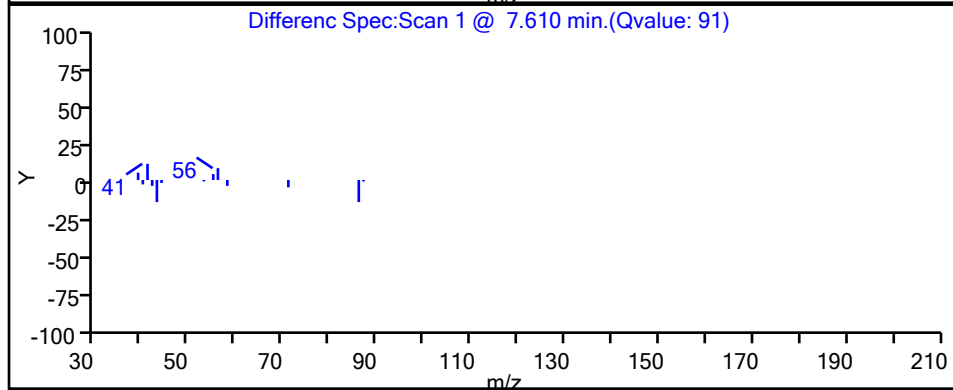
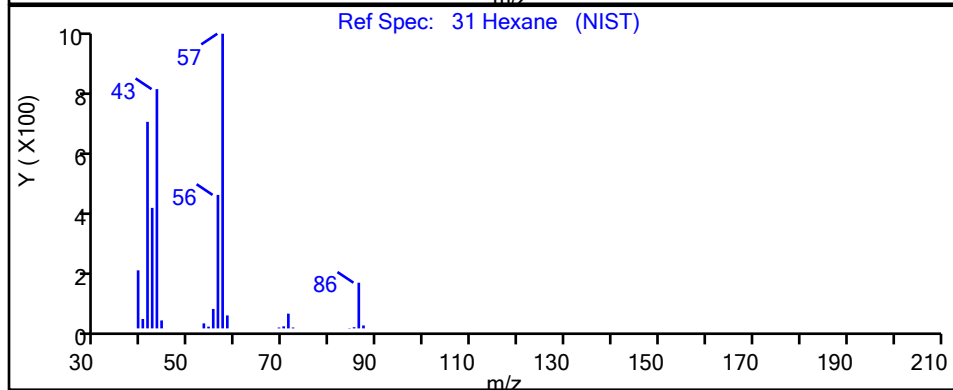
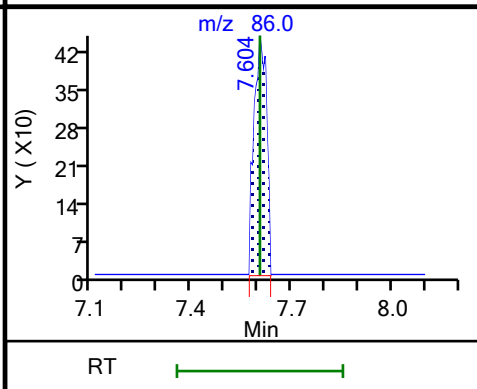
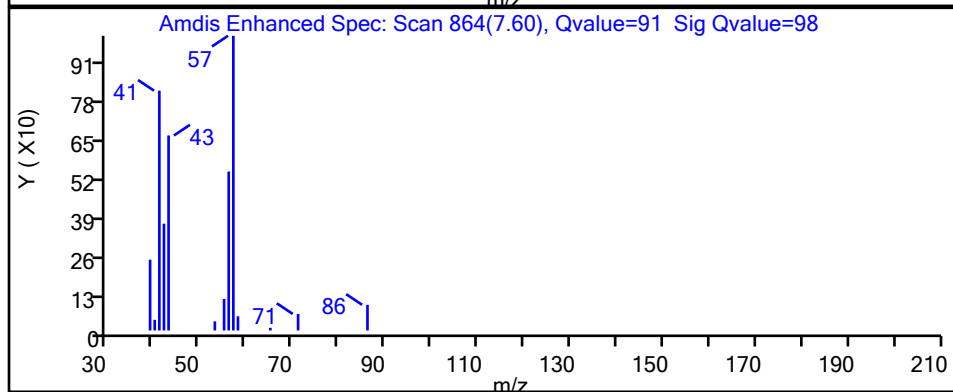
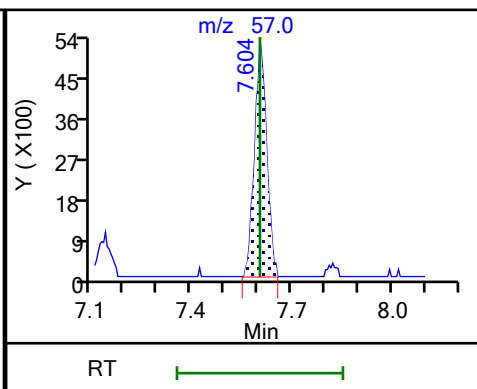
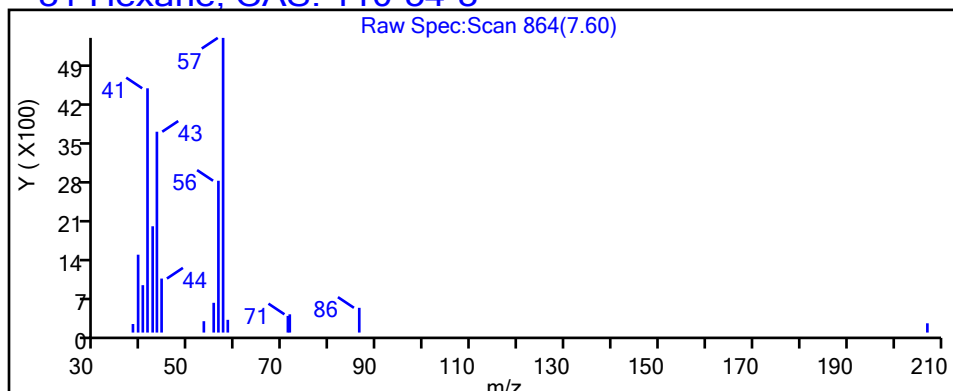
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

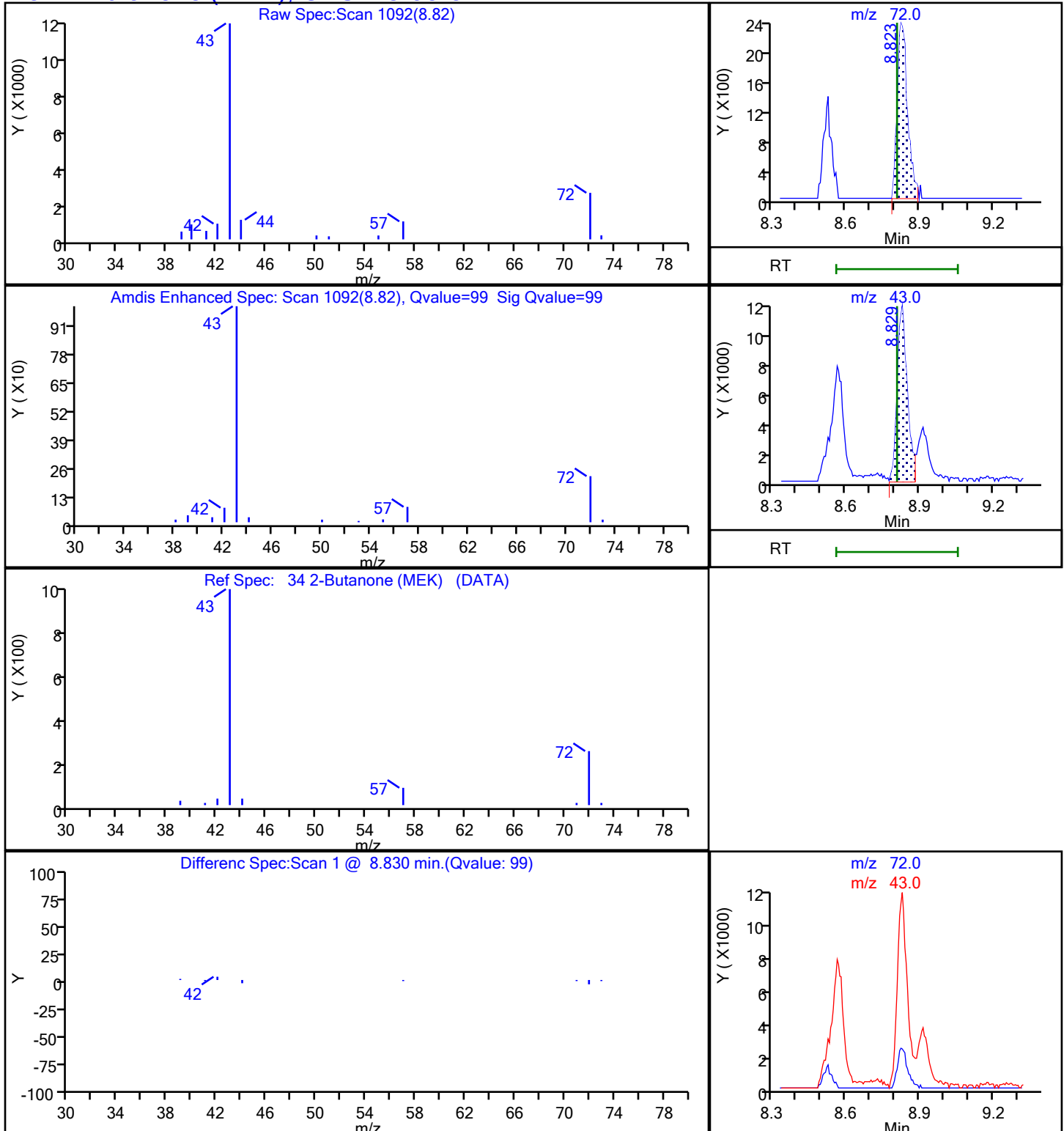
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Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

34 2-Butanone (MEK). CAS: 78-93-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

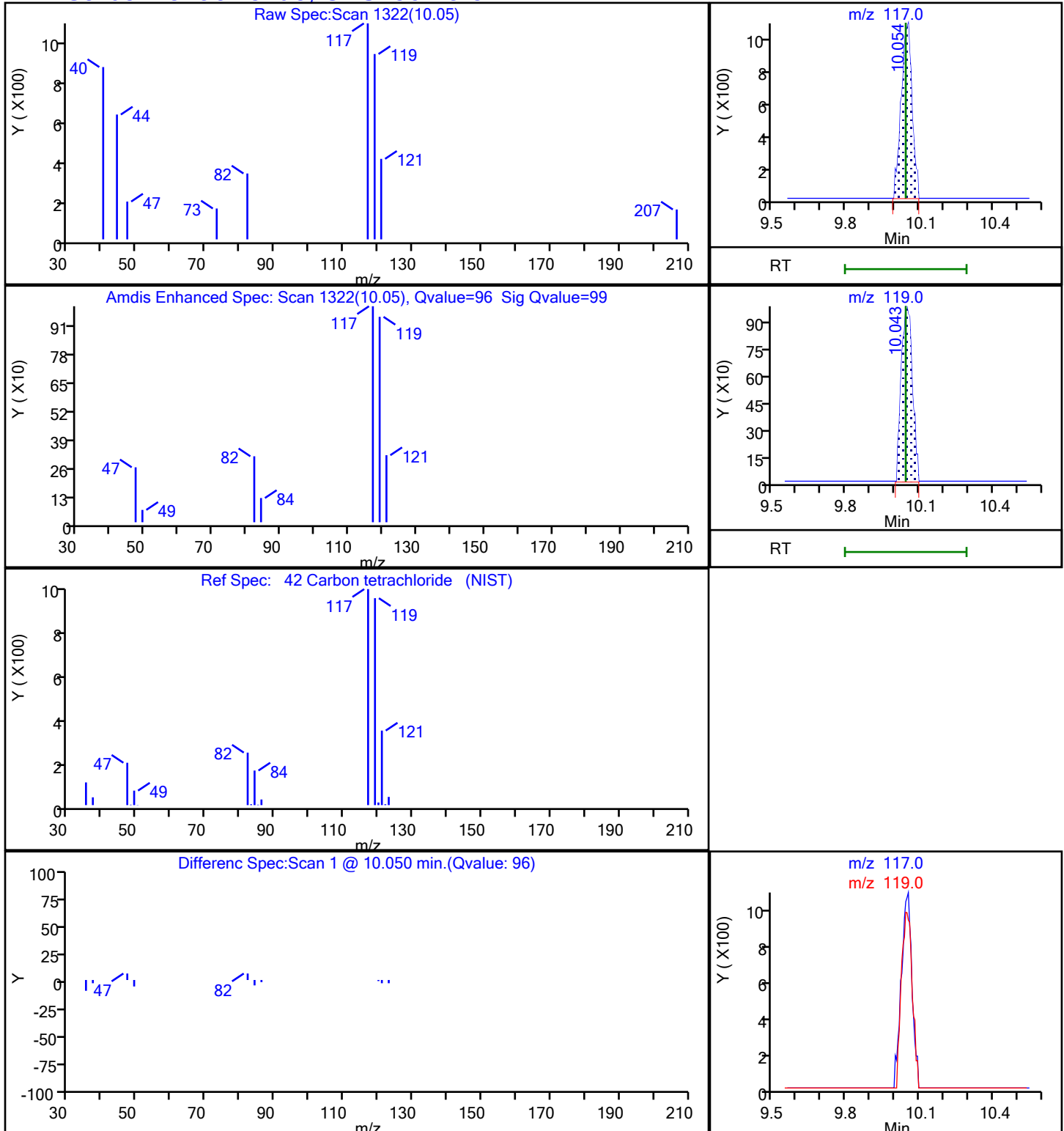
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

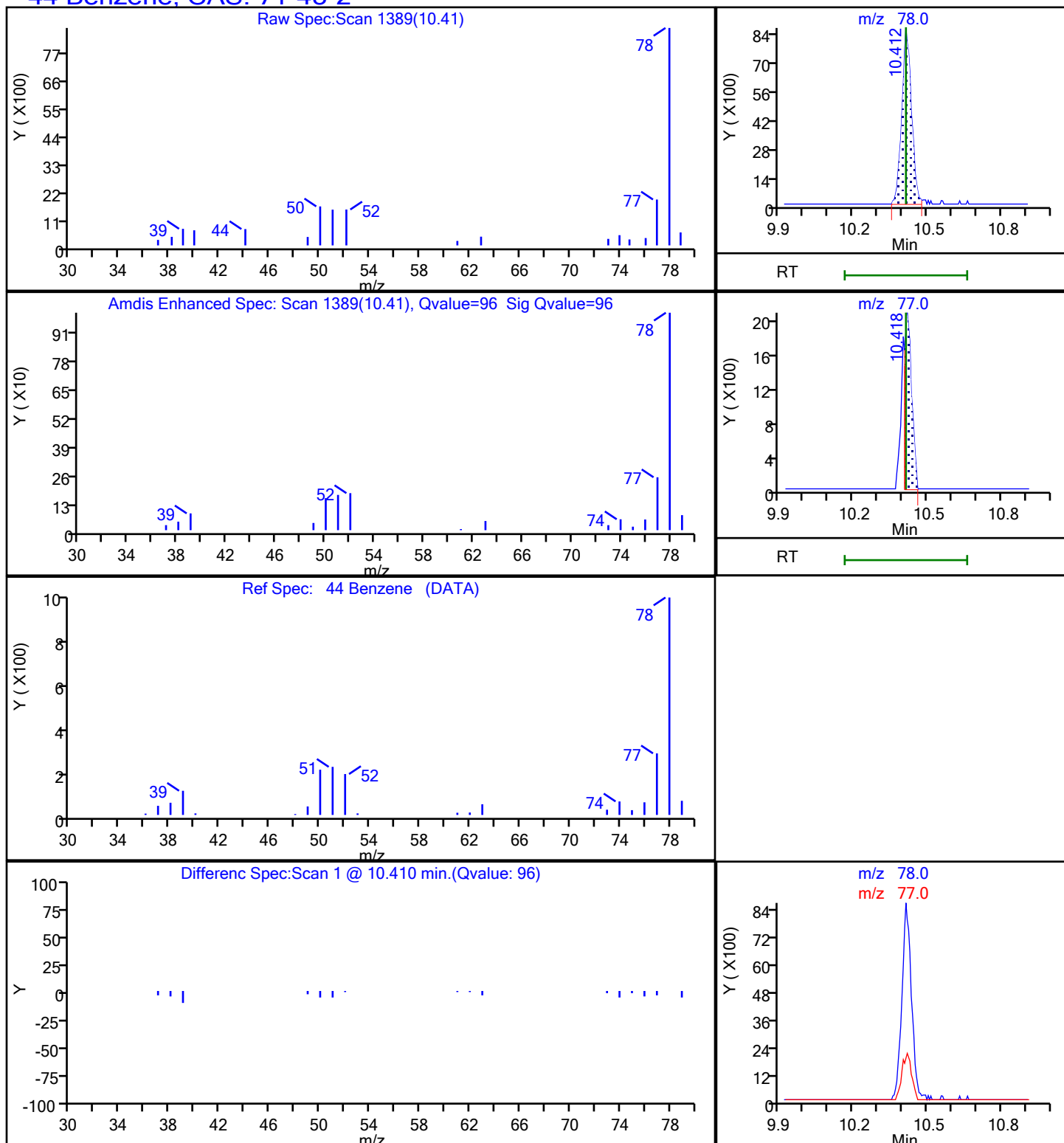
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Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

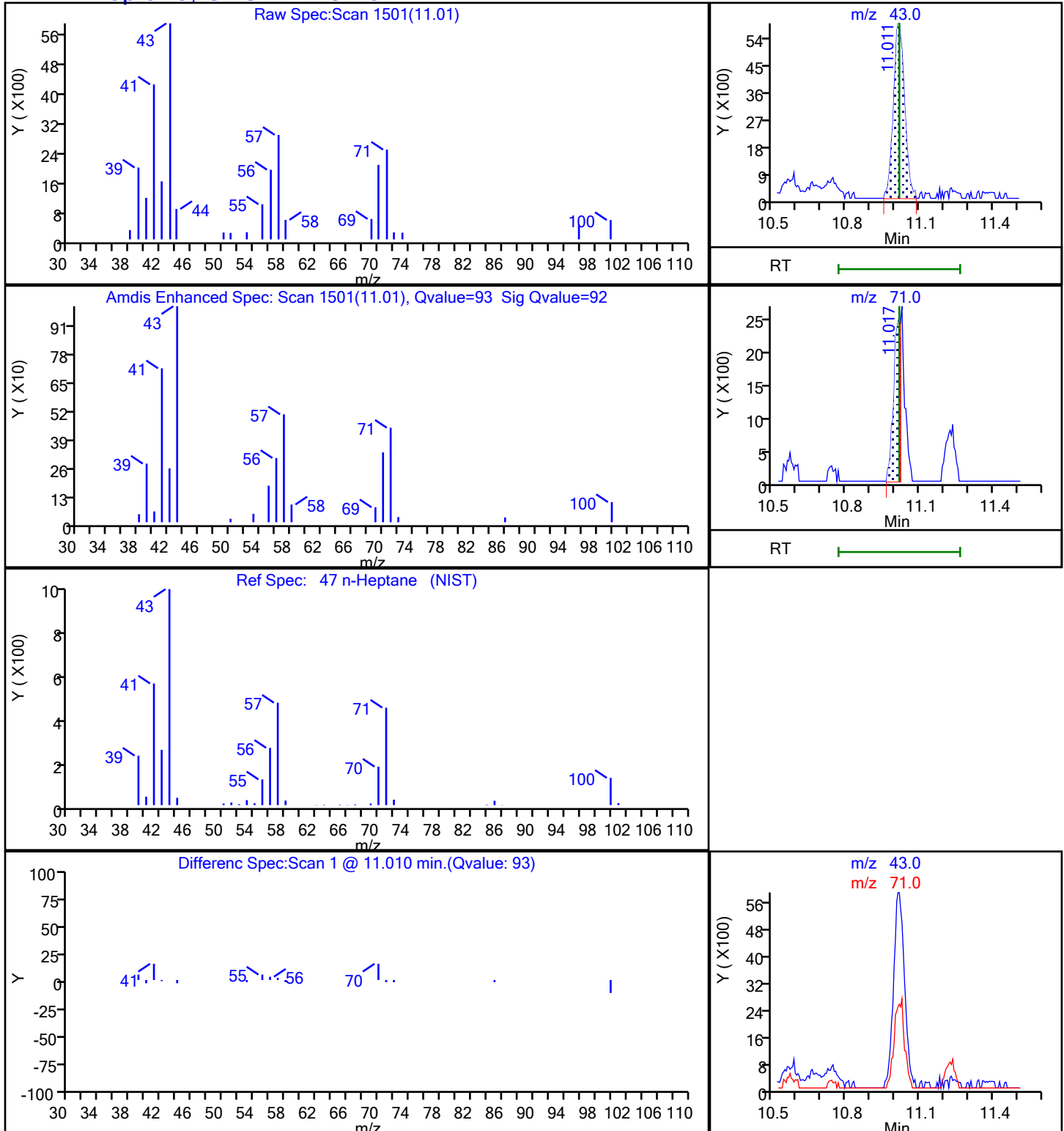
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 n-Heptane, CAS: 142-82-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

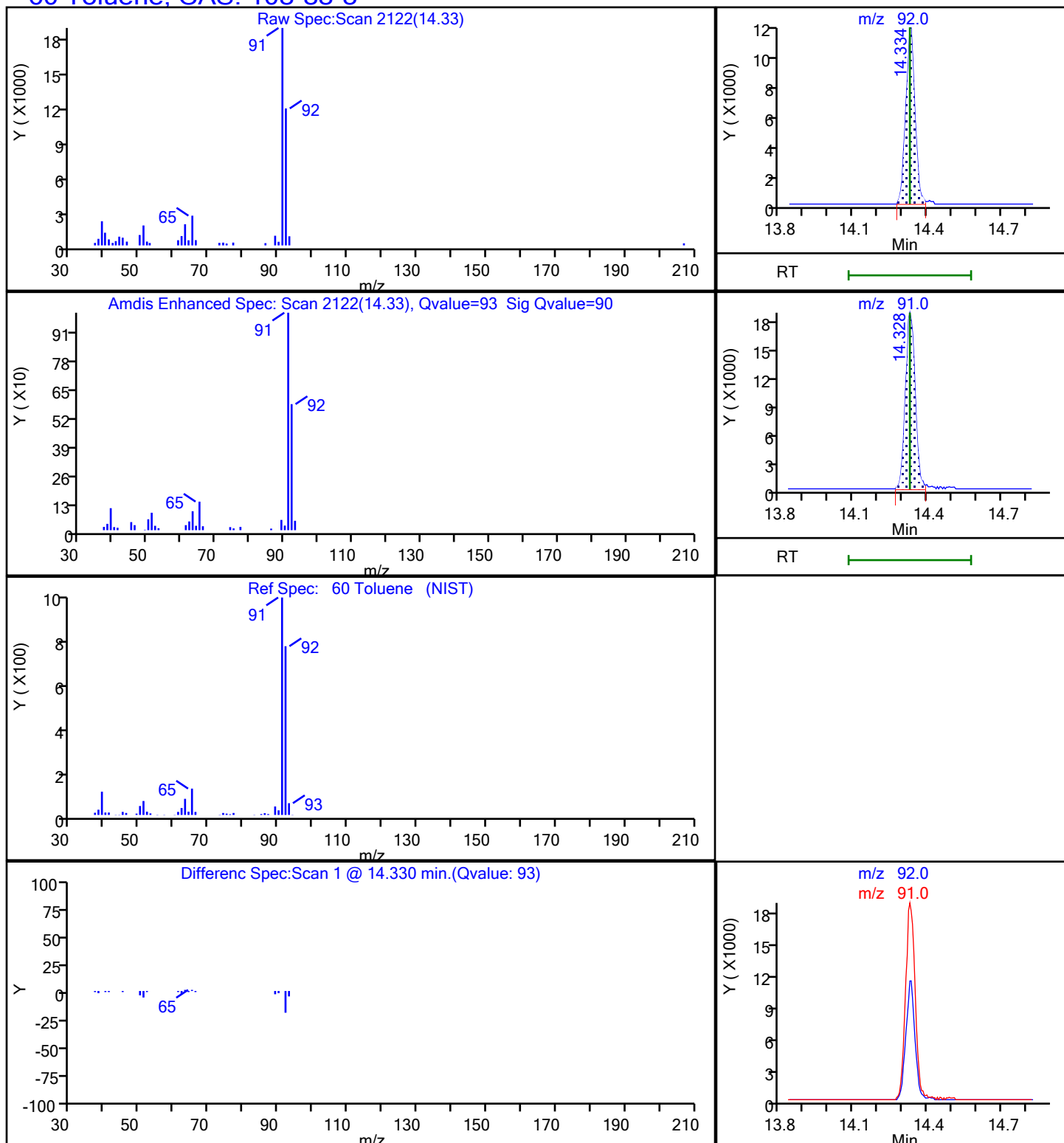
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

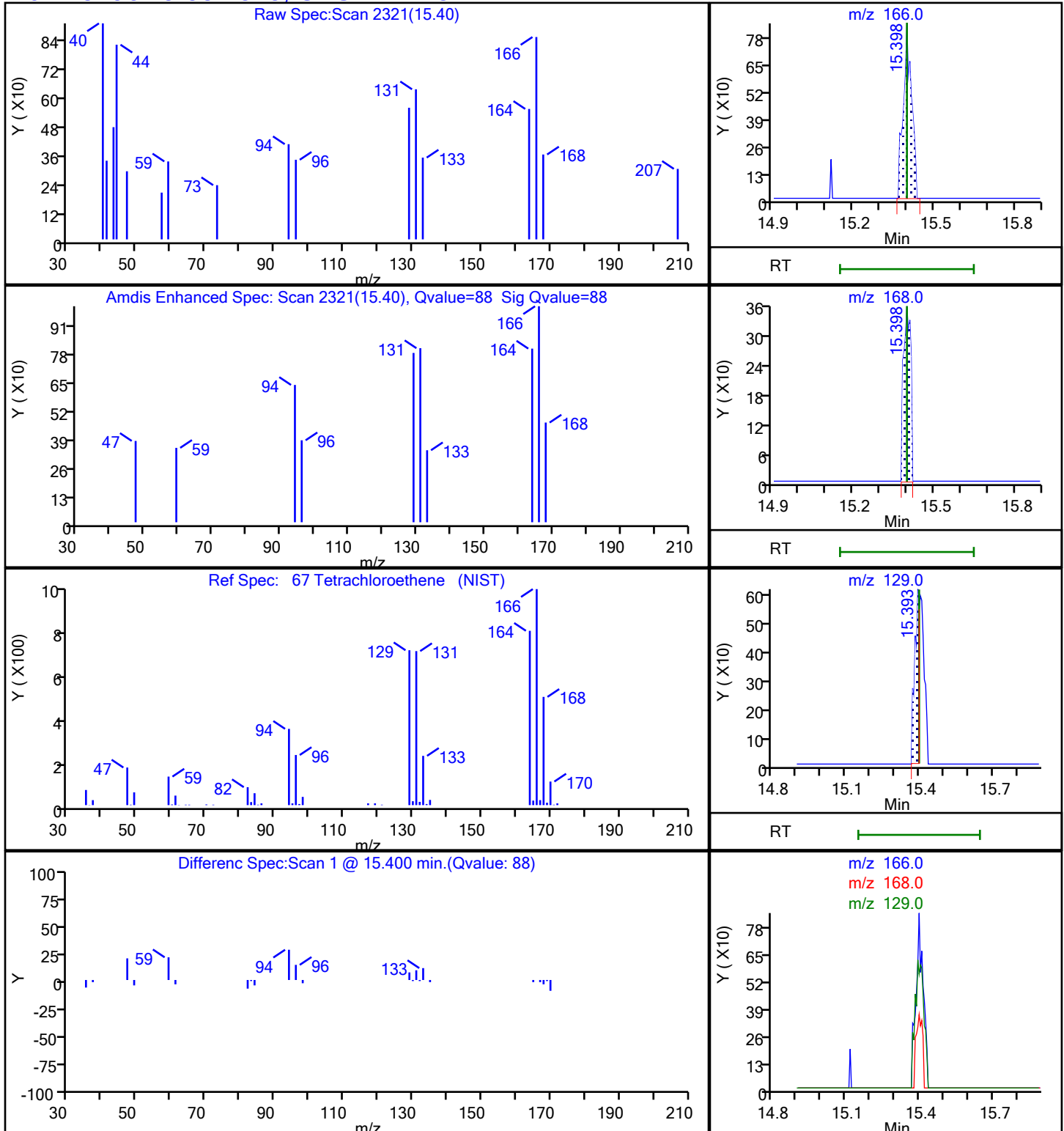
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

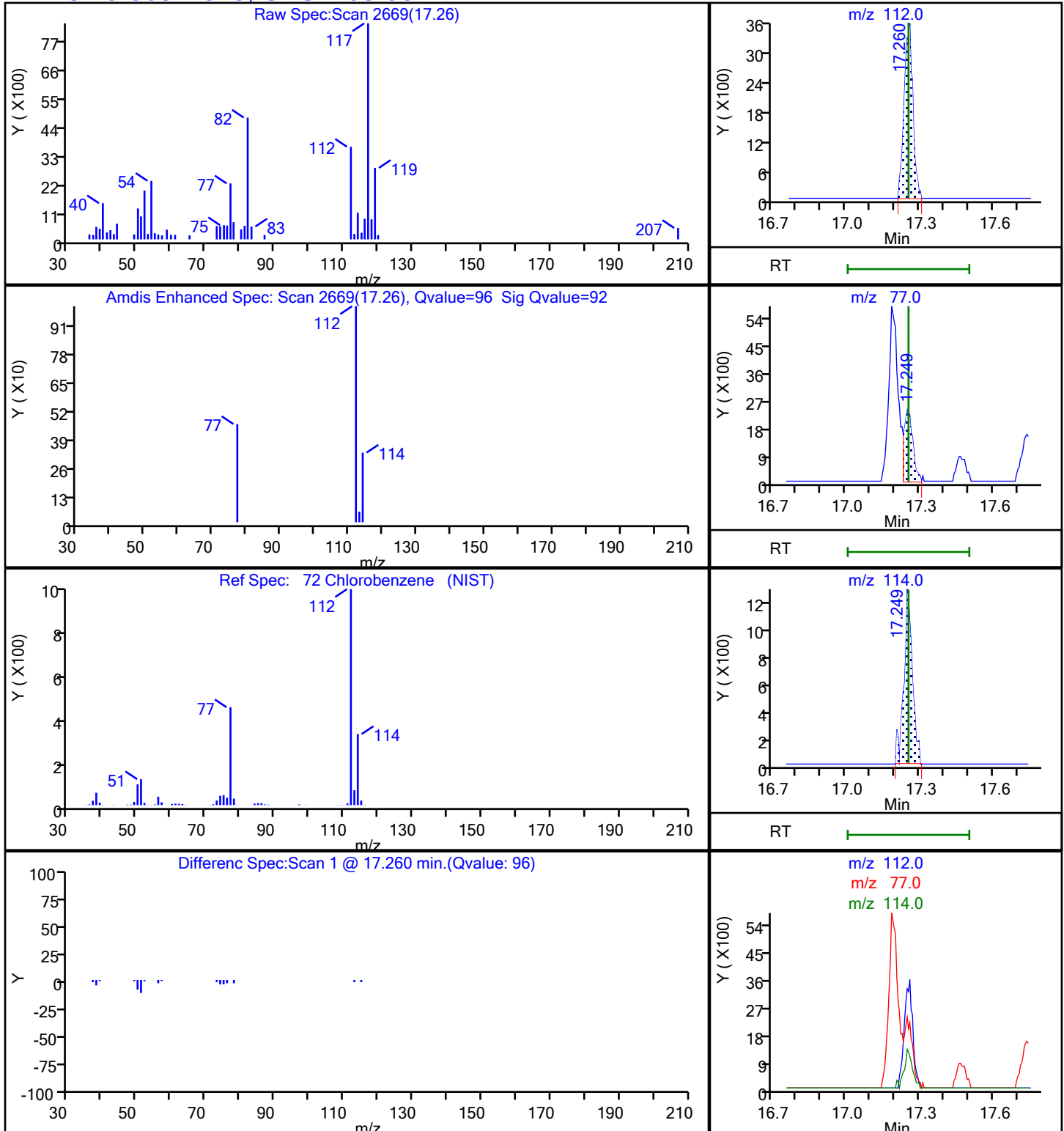
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

72 Chlorobenzene, CAS: 108-90-7

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

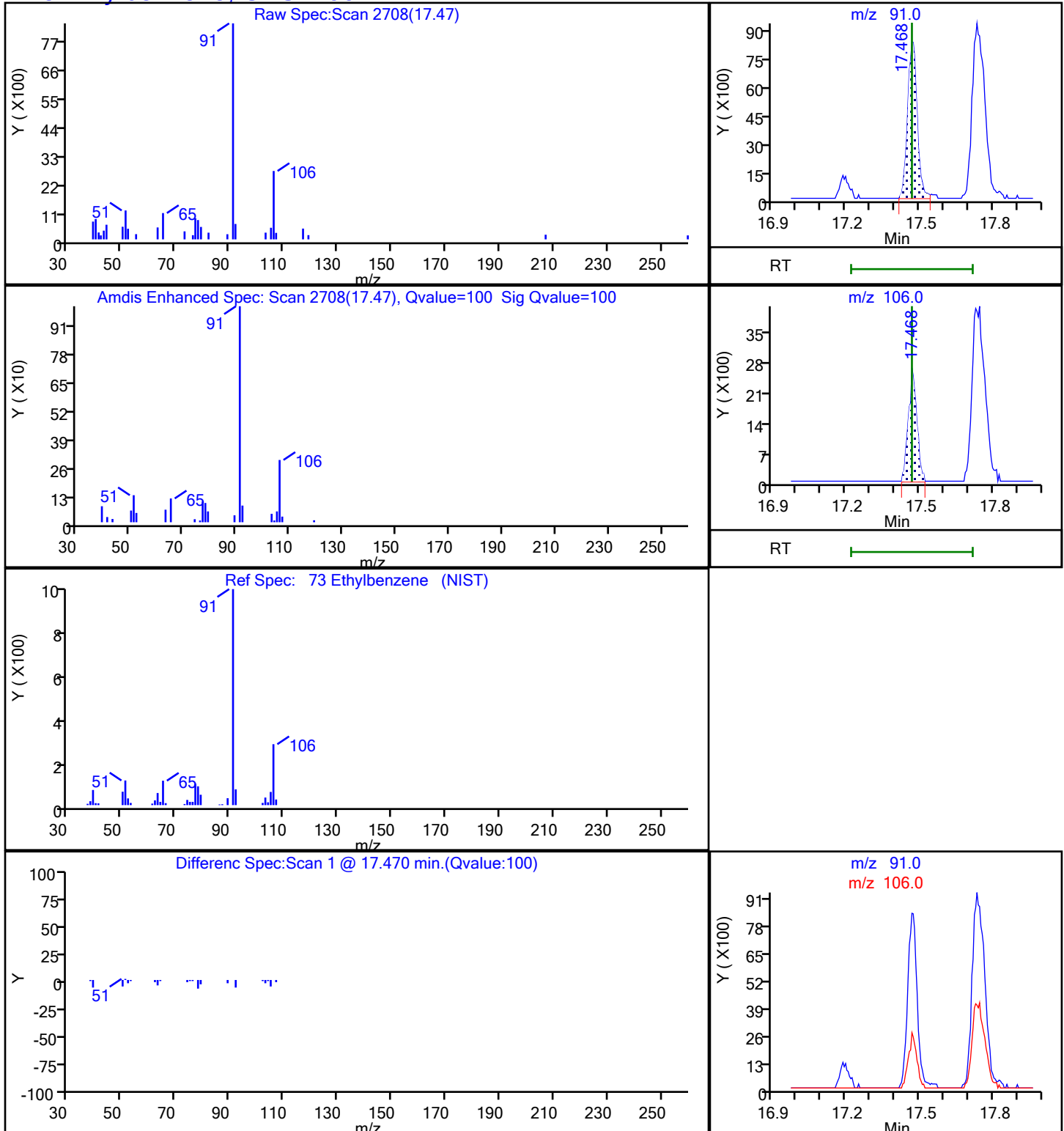
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

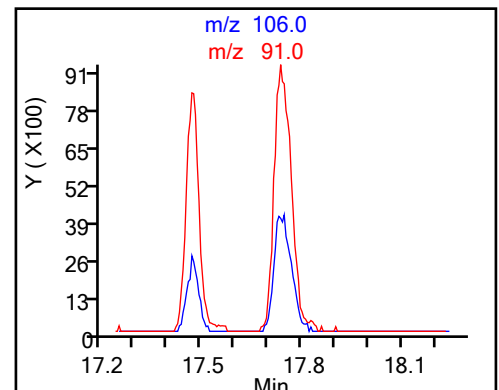
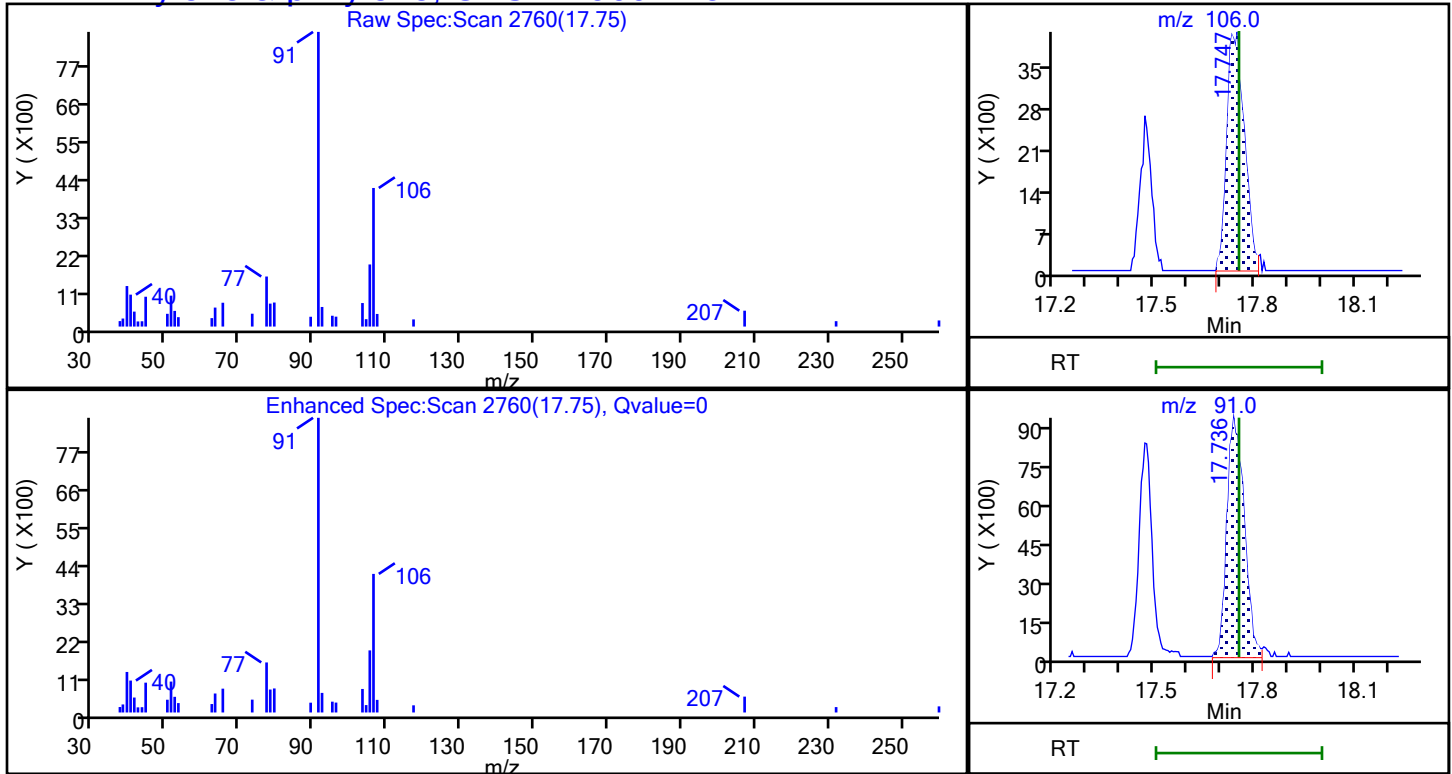
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

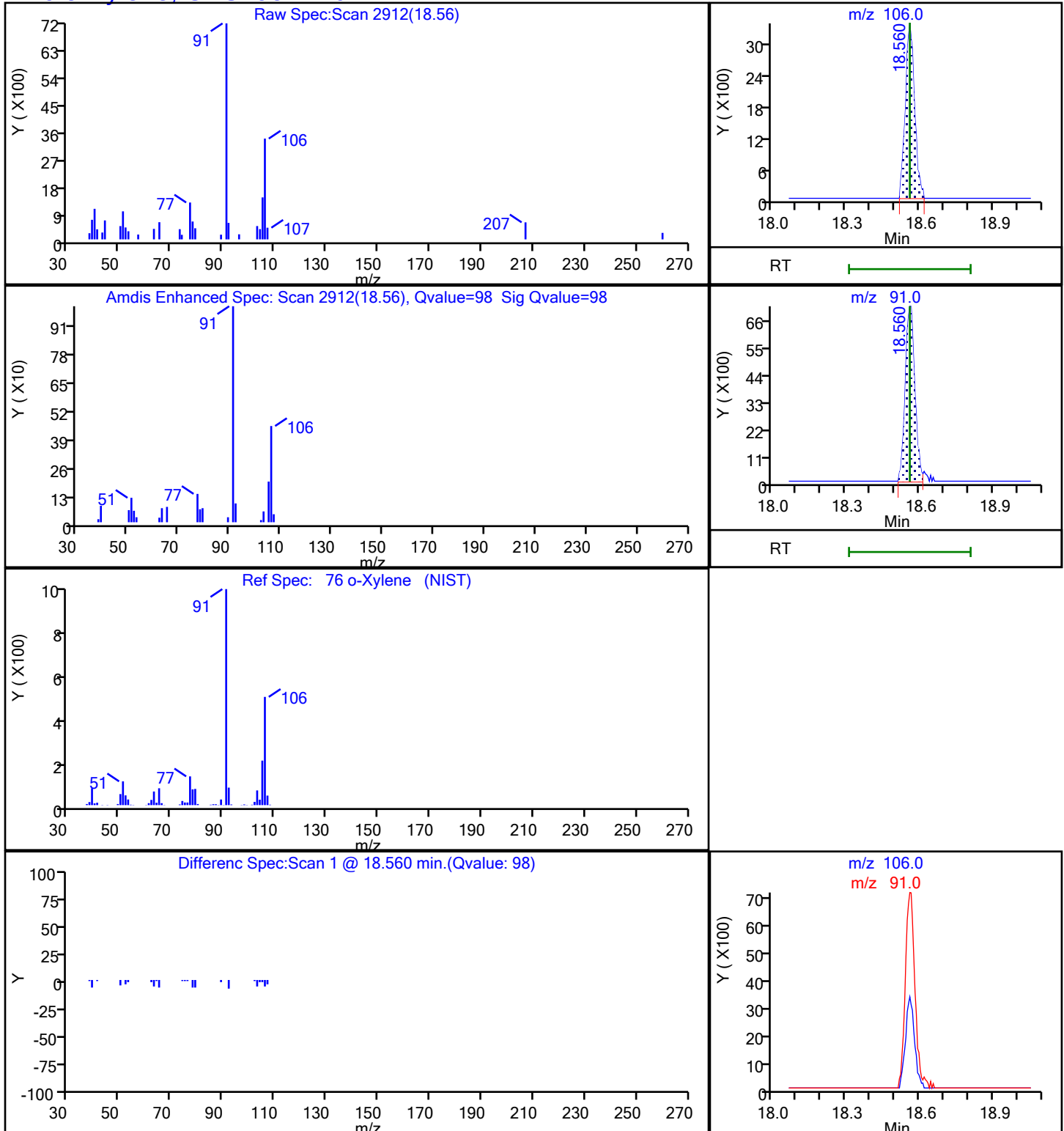
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Detector MS SCAN

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

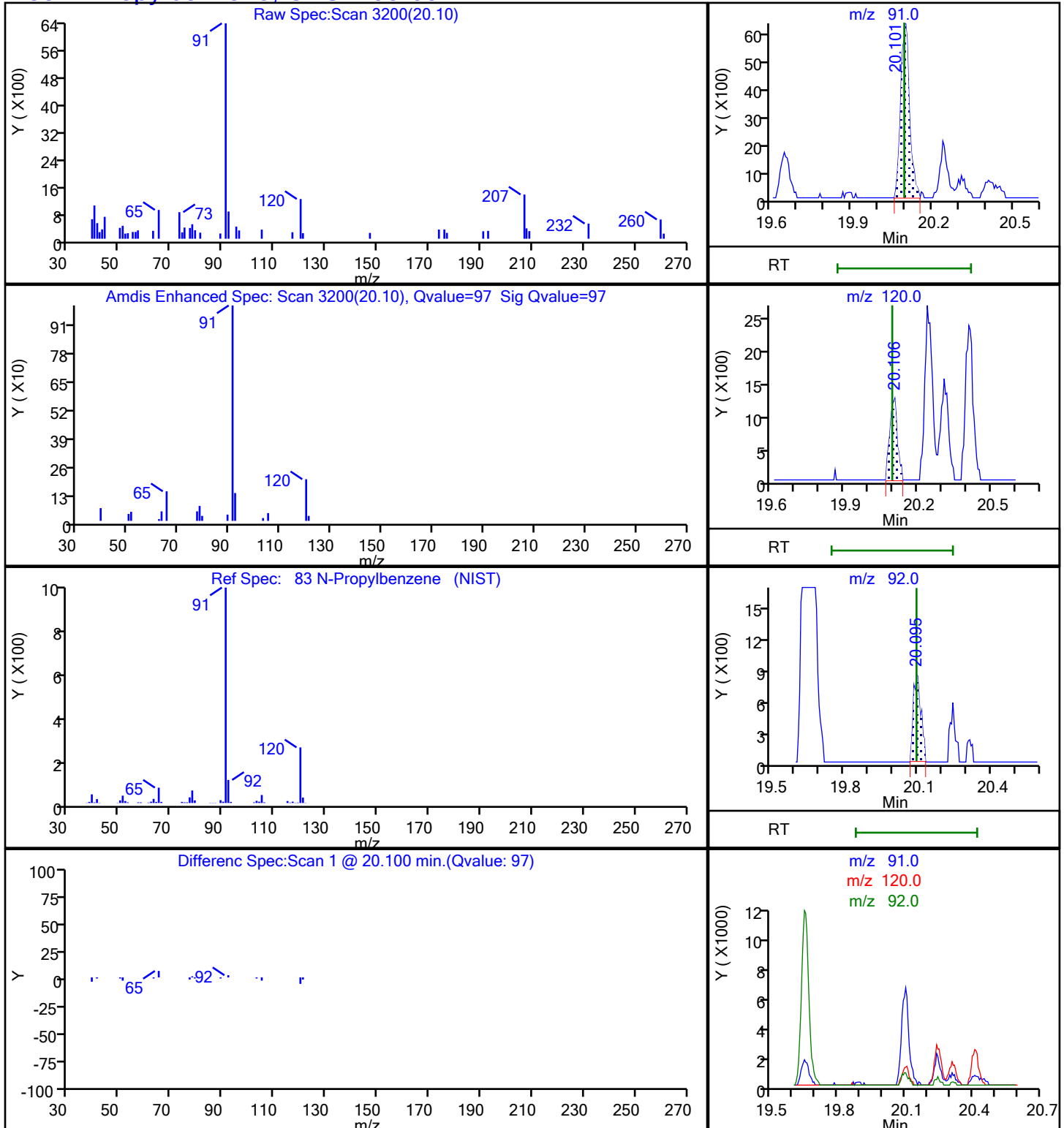
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

83 N-Propylbenzene, CAS: 103-65-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

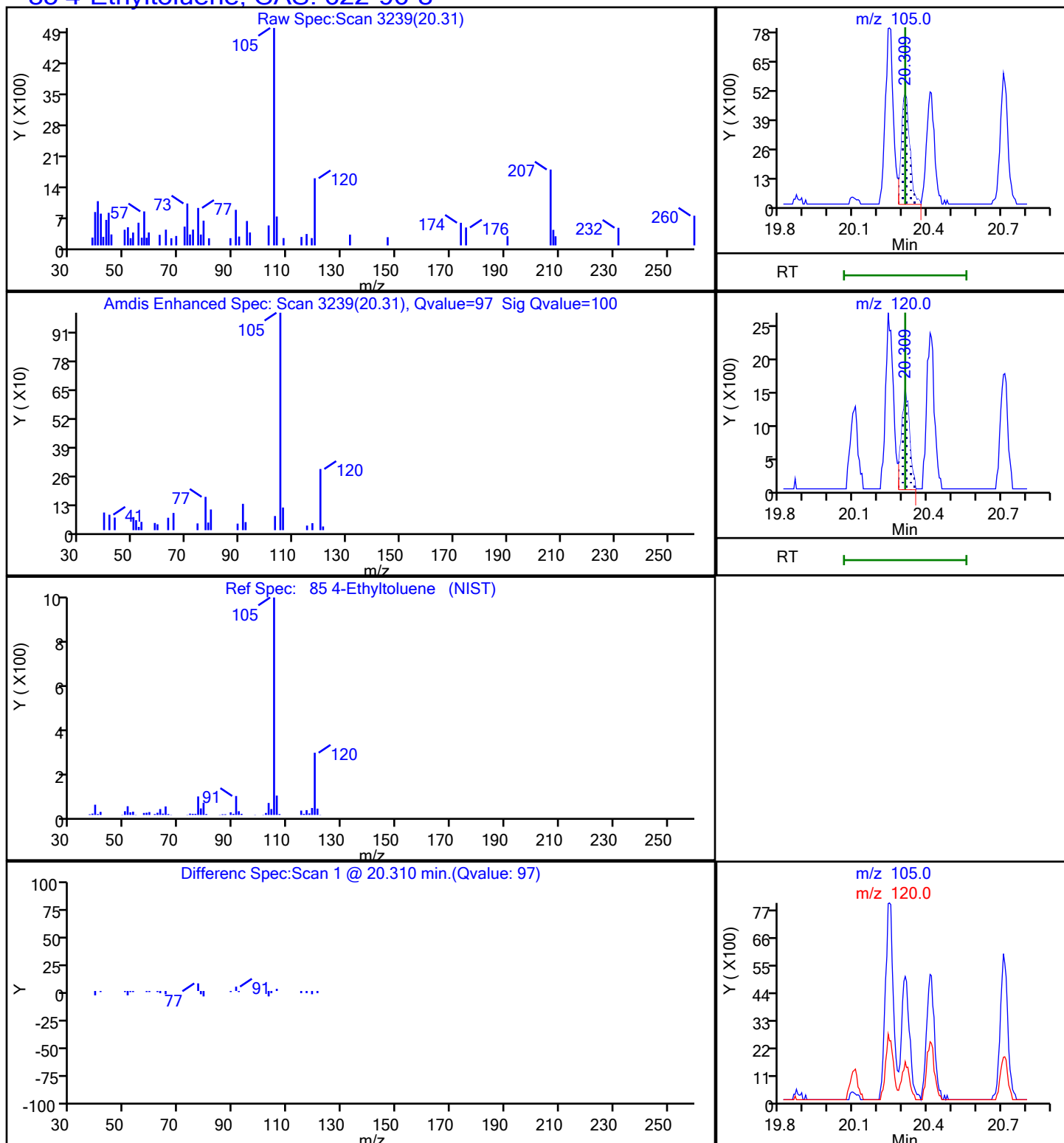
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

85 4-Ethyltoluene, CAS: 622-96-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

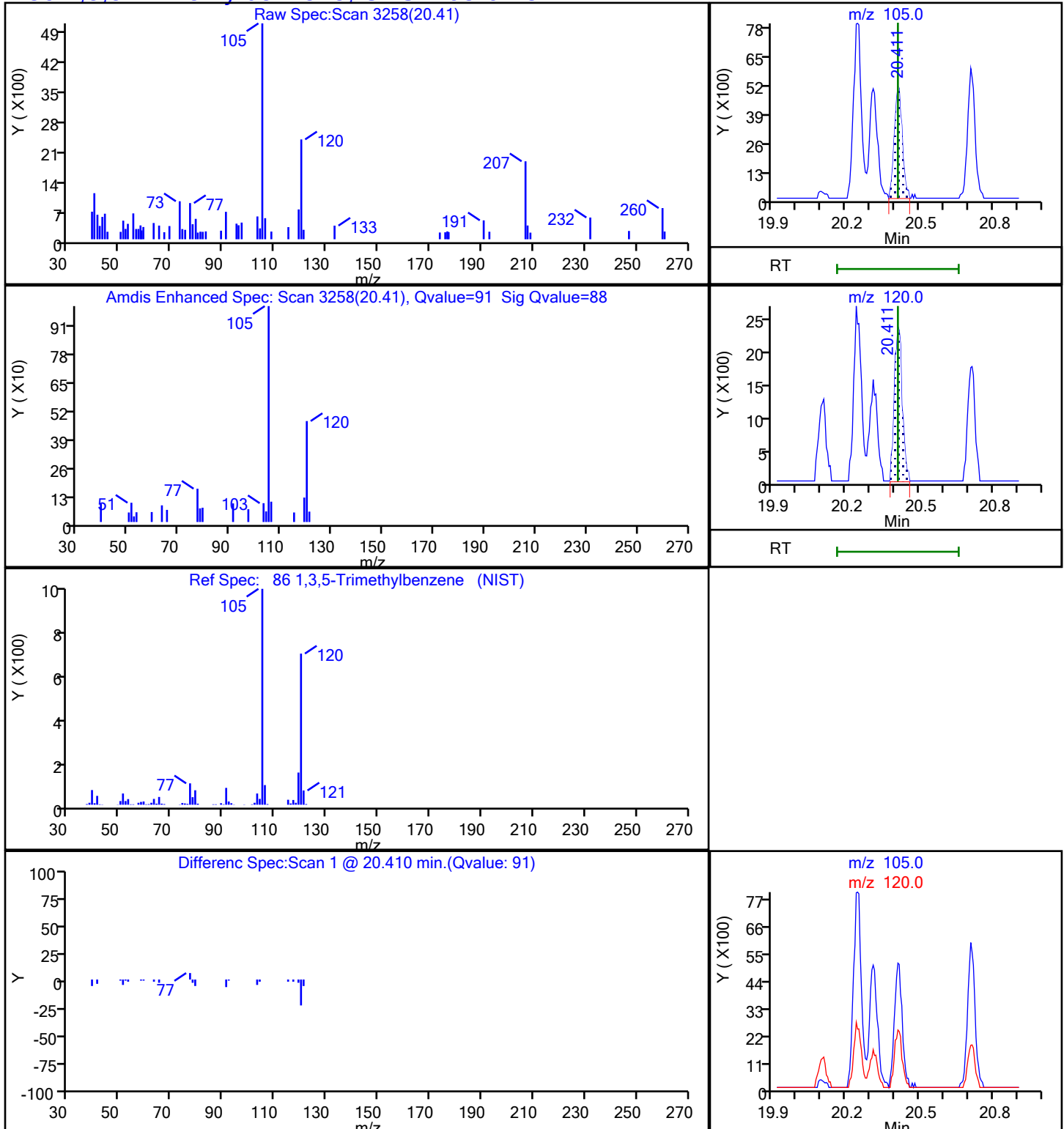
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

86 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

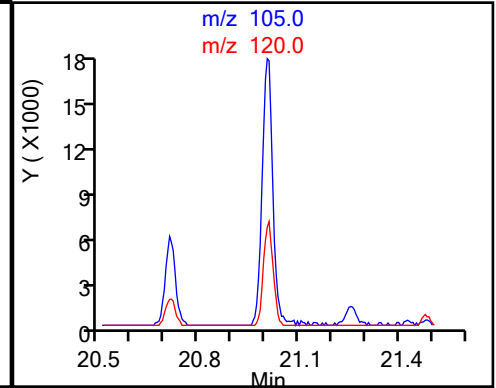
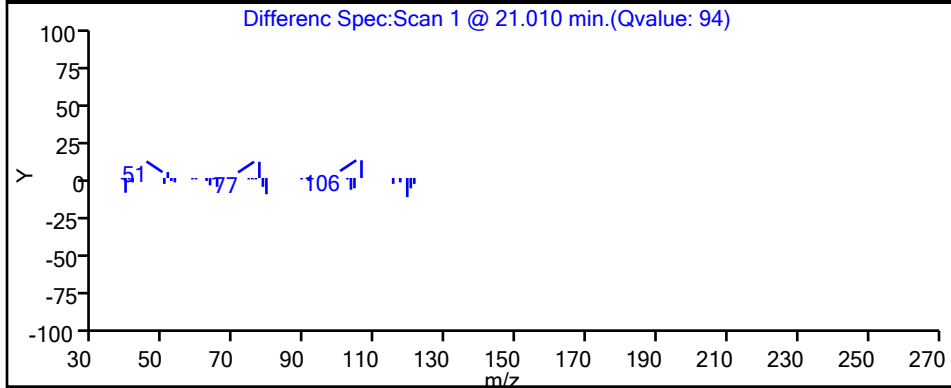
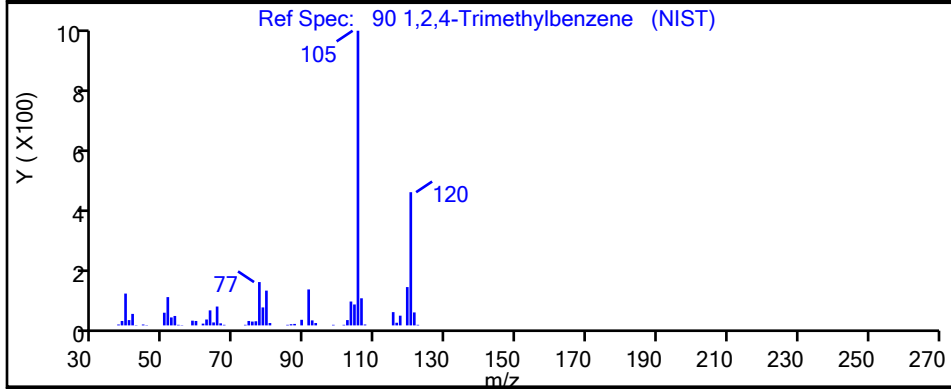
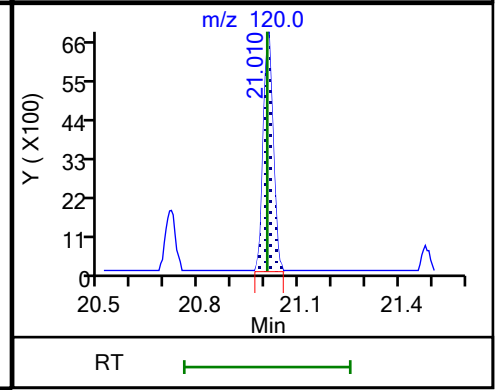
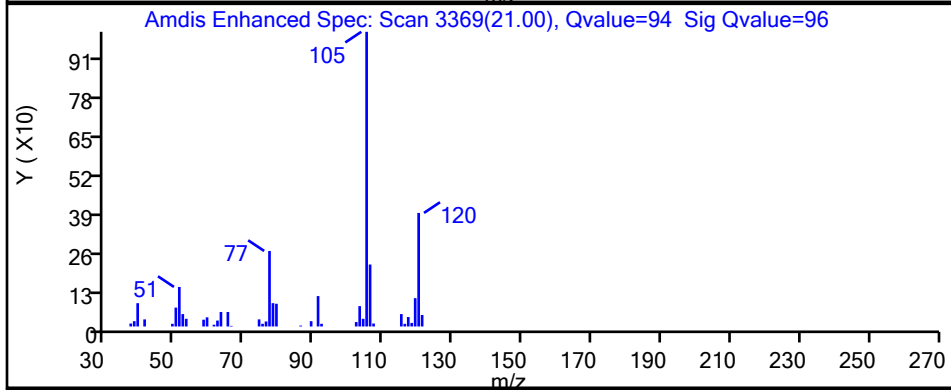
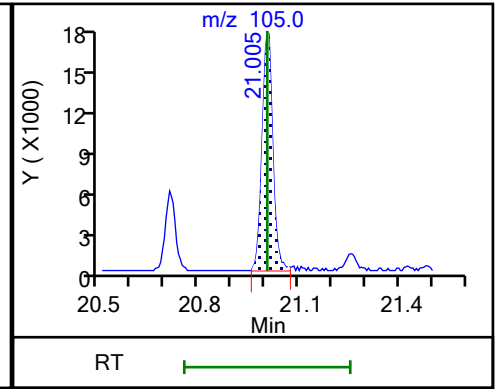
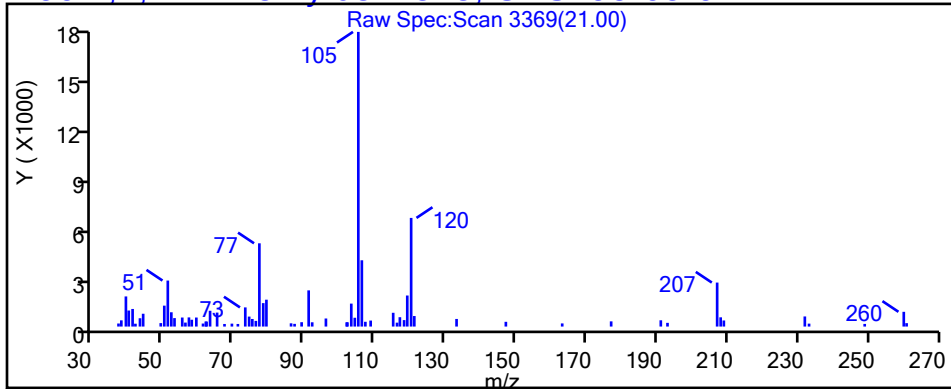
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

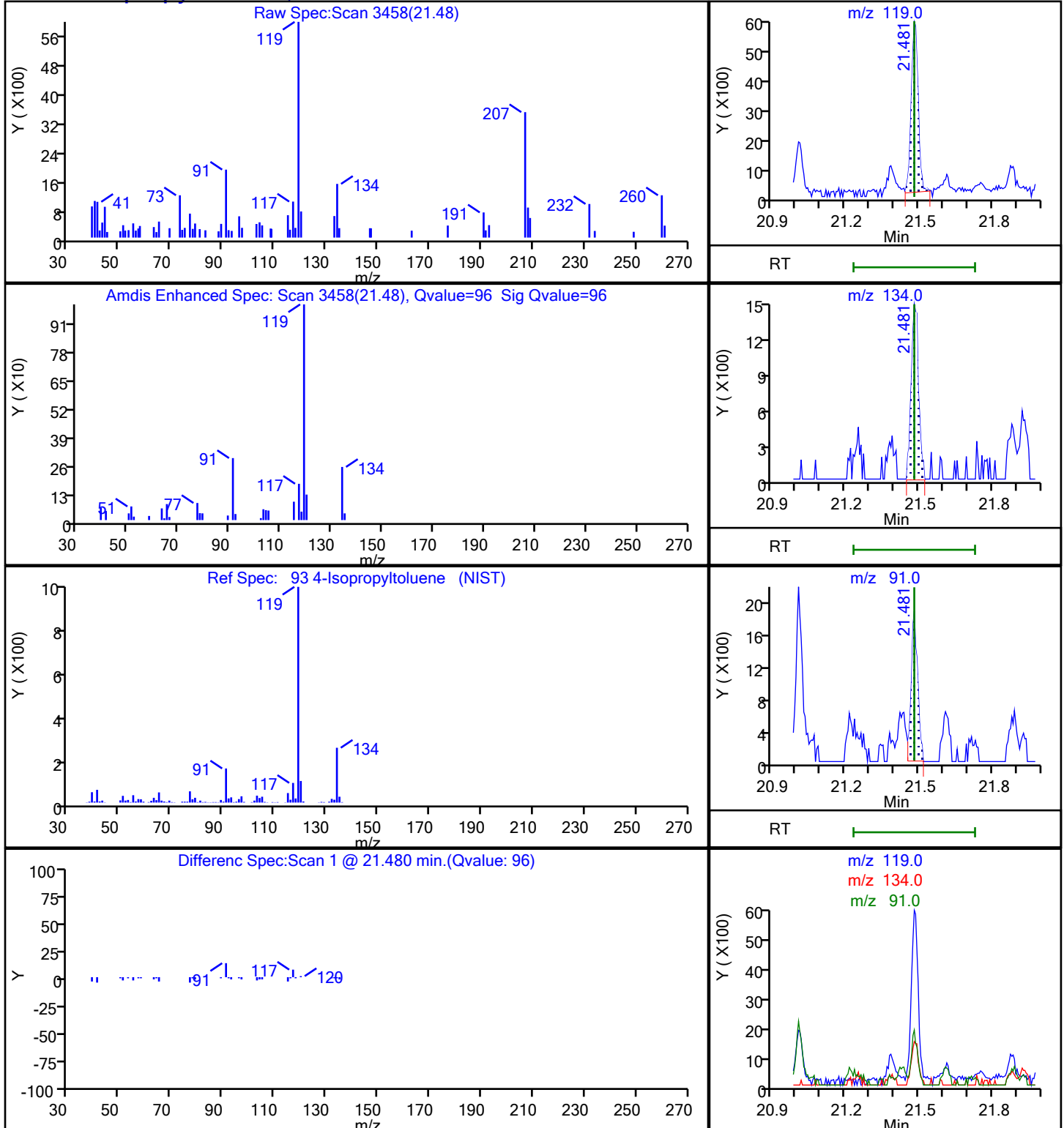
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

93 4-Isopropyltoluene, CAS: 99-87-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#:

11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

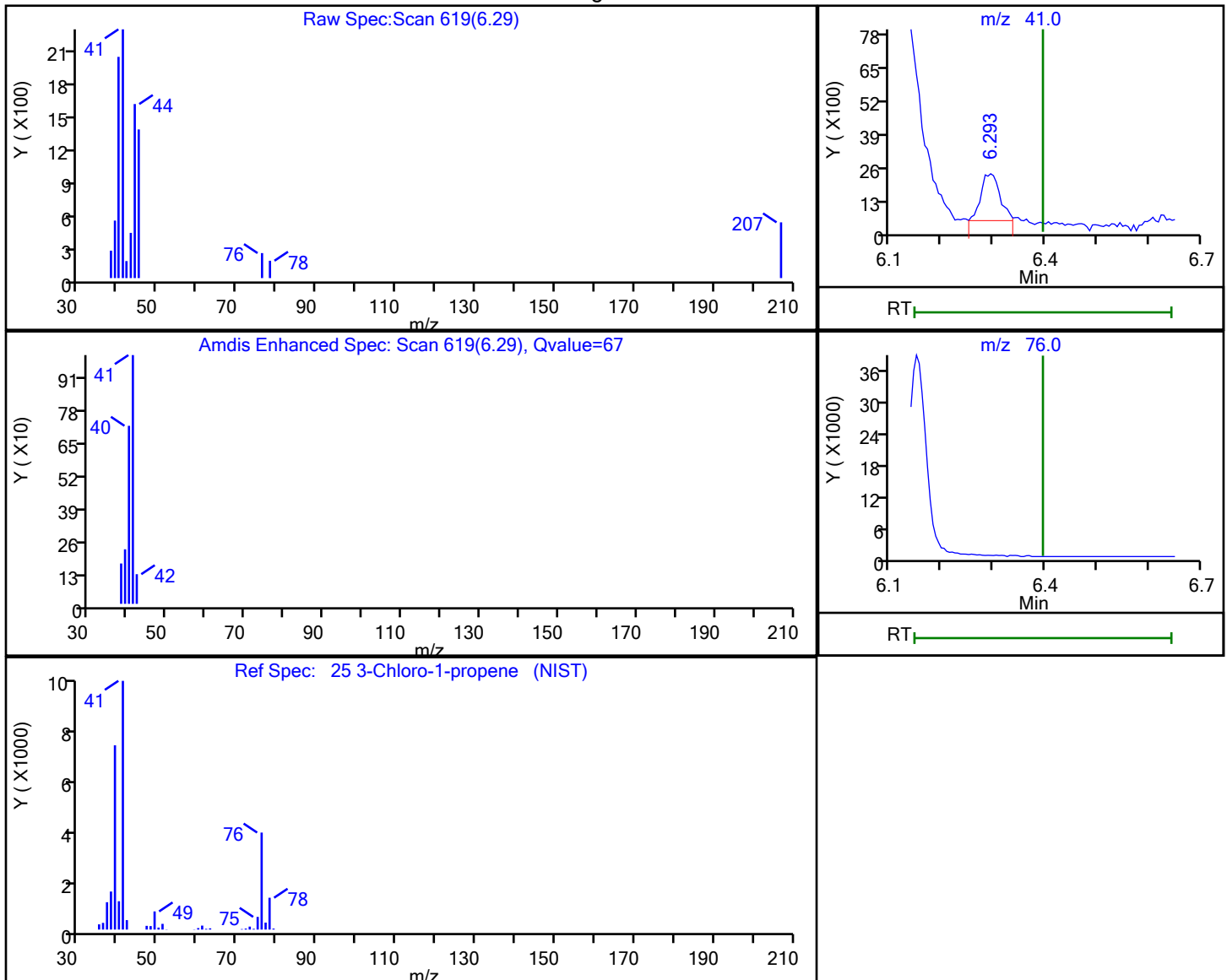
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.29	41.00	4690	0.132623
6.39	76.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:29:08

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

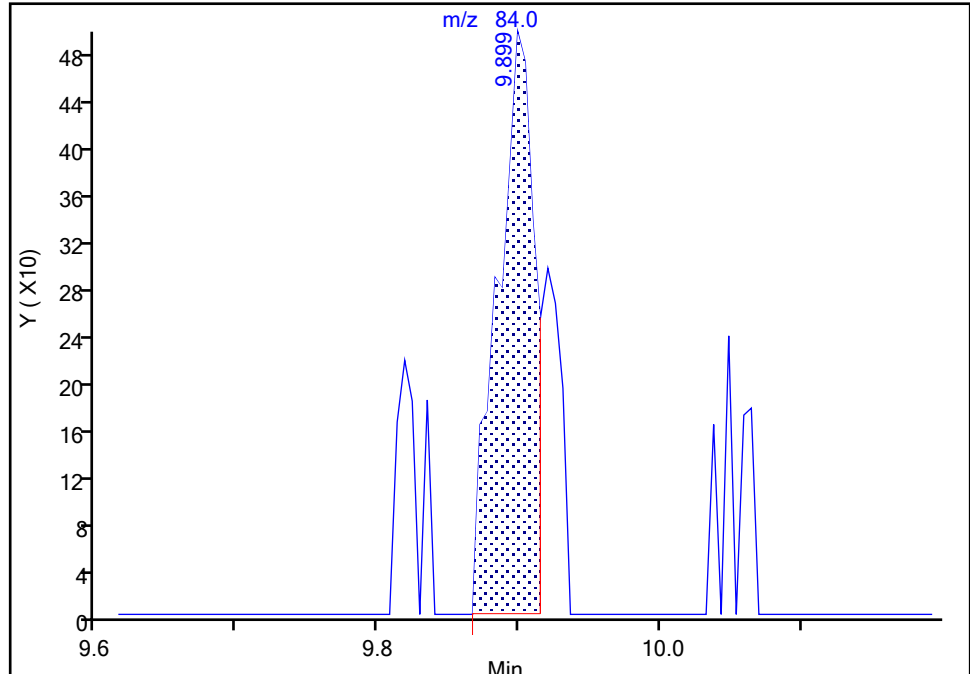
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D				
Injection Date:	20-Mar-2023 17:00:30	Instrument ID:	CHG.i		
Lims ID:	200-67137-A-4	Lab Sample ID:	200-67137-4		
Client ID:	CLEANER-2				
Operator ID:	vtp	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

41 Cyclohexane, CAS: 110-82-7

Signal: 1

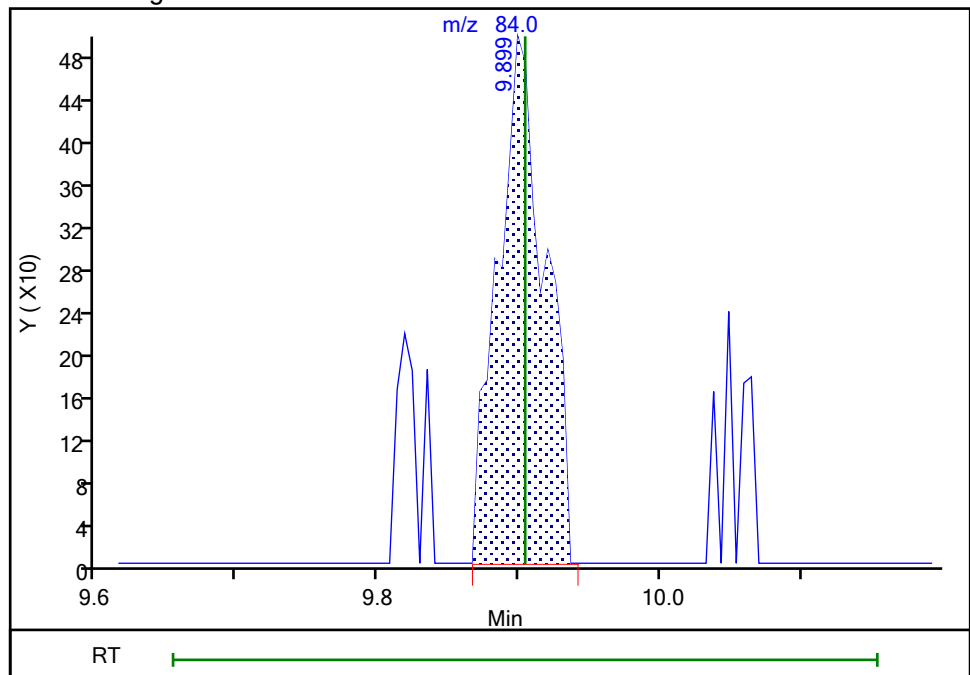
RT: 9.90
Area: 917
Amount: 0.021981
Amount Units: ppb v/v

Processing Integration Results



RT: 9.90
Area: 1161
Amount: 0.027830
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:30:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

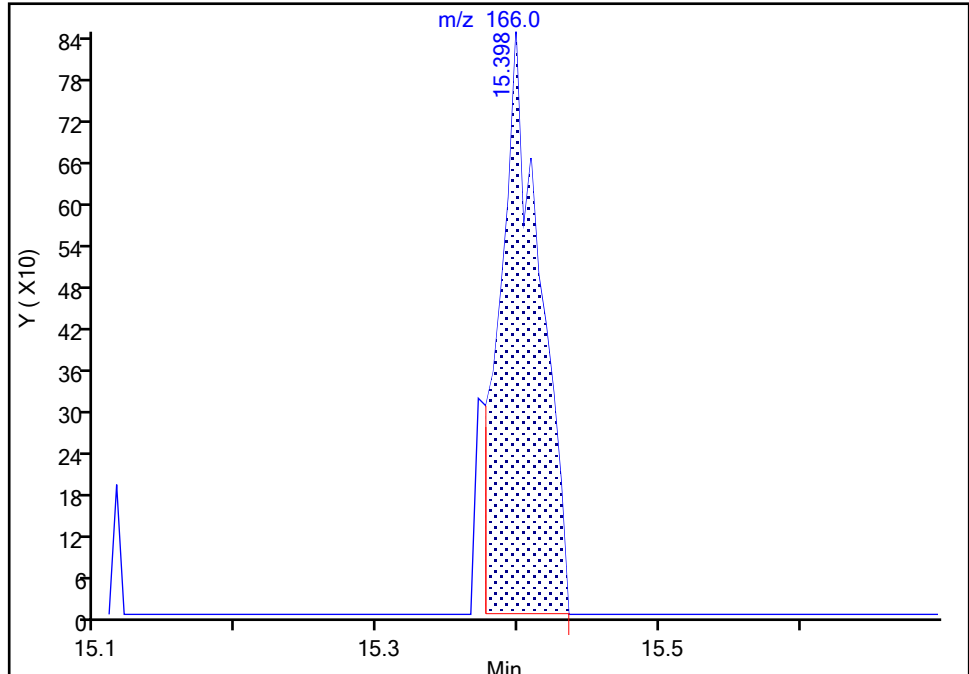
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D
Injection Date: 20-Mar-2023 17:00:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-4 Lab Sample ID: 200-67137-4
Client ID: CLEANER-2
Operator ID: vtp ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Signal: 1

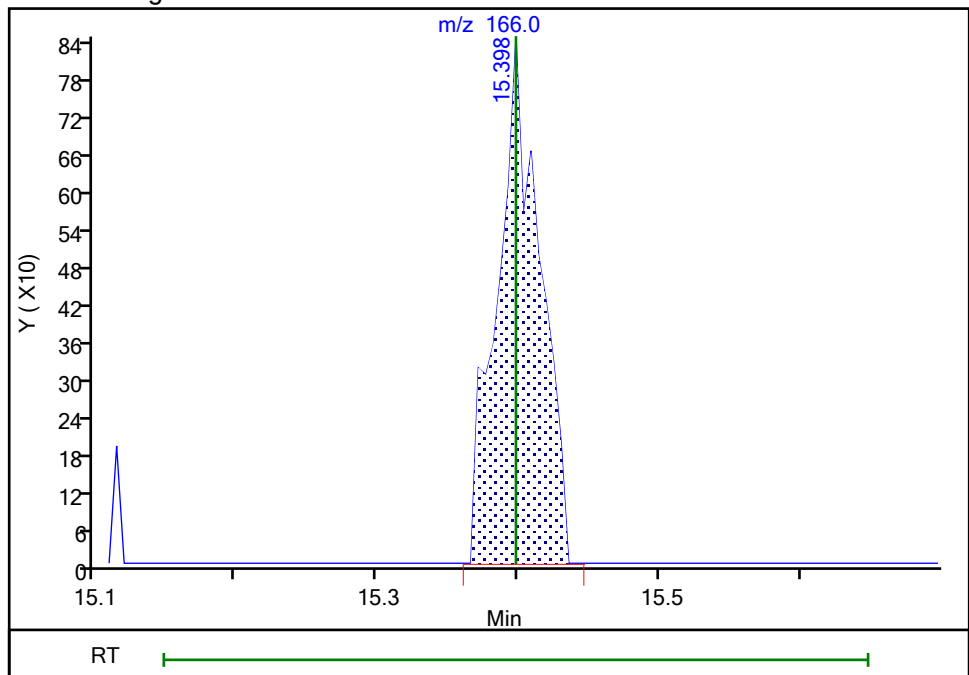
RT: 15.40
Area: 1675
Amount: 0.025952
Amount Units: ppb v/v

Processing Integration Results



RT: 15.40
Area: 1775
Amount: 0.027501
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:31:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#:

11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

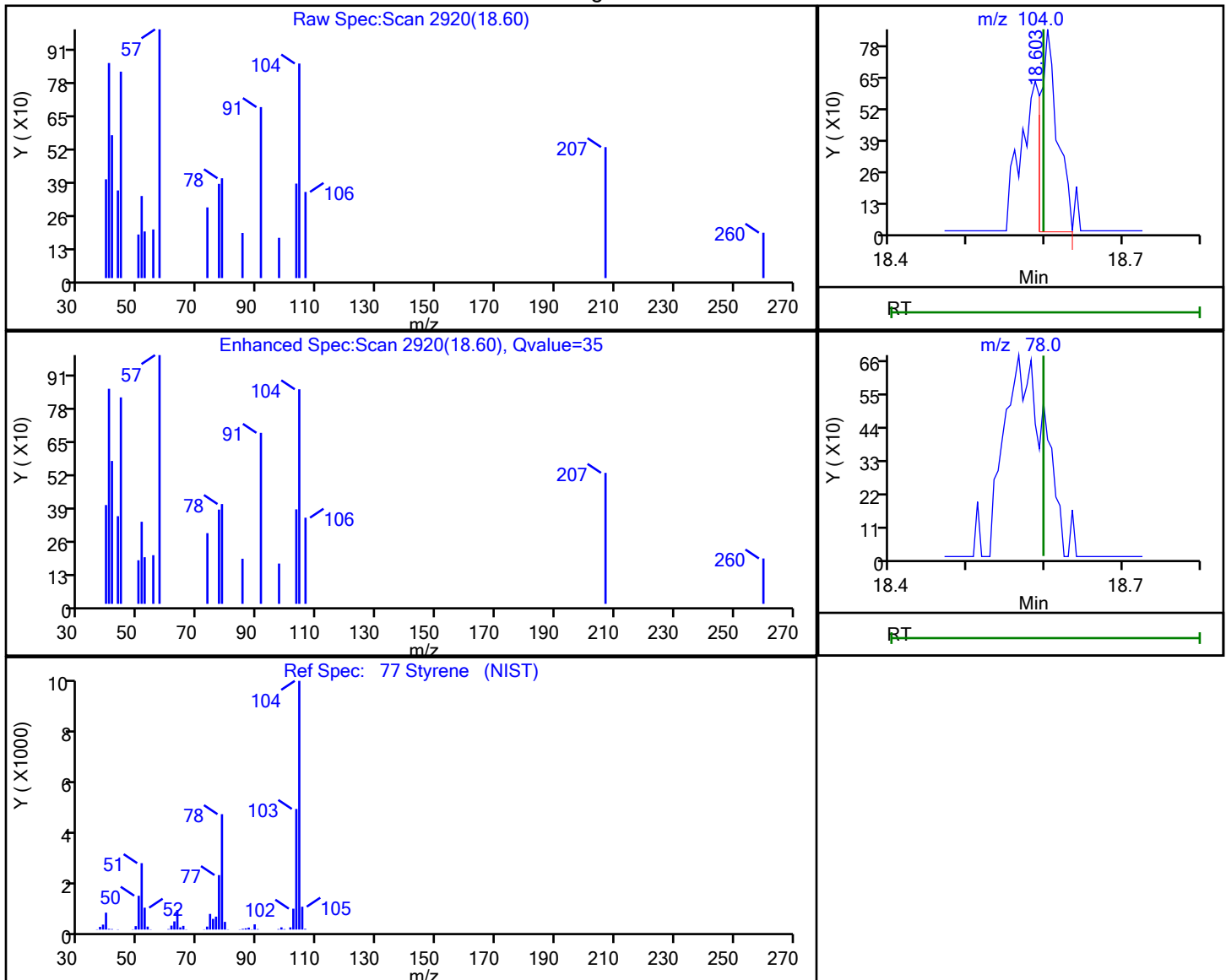
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

77 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
18.60	104.00	1271	0.014836
18.60	78.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:31:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#:

11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

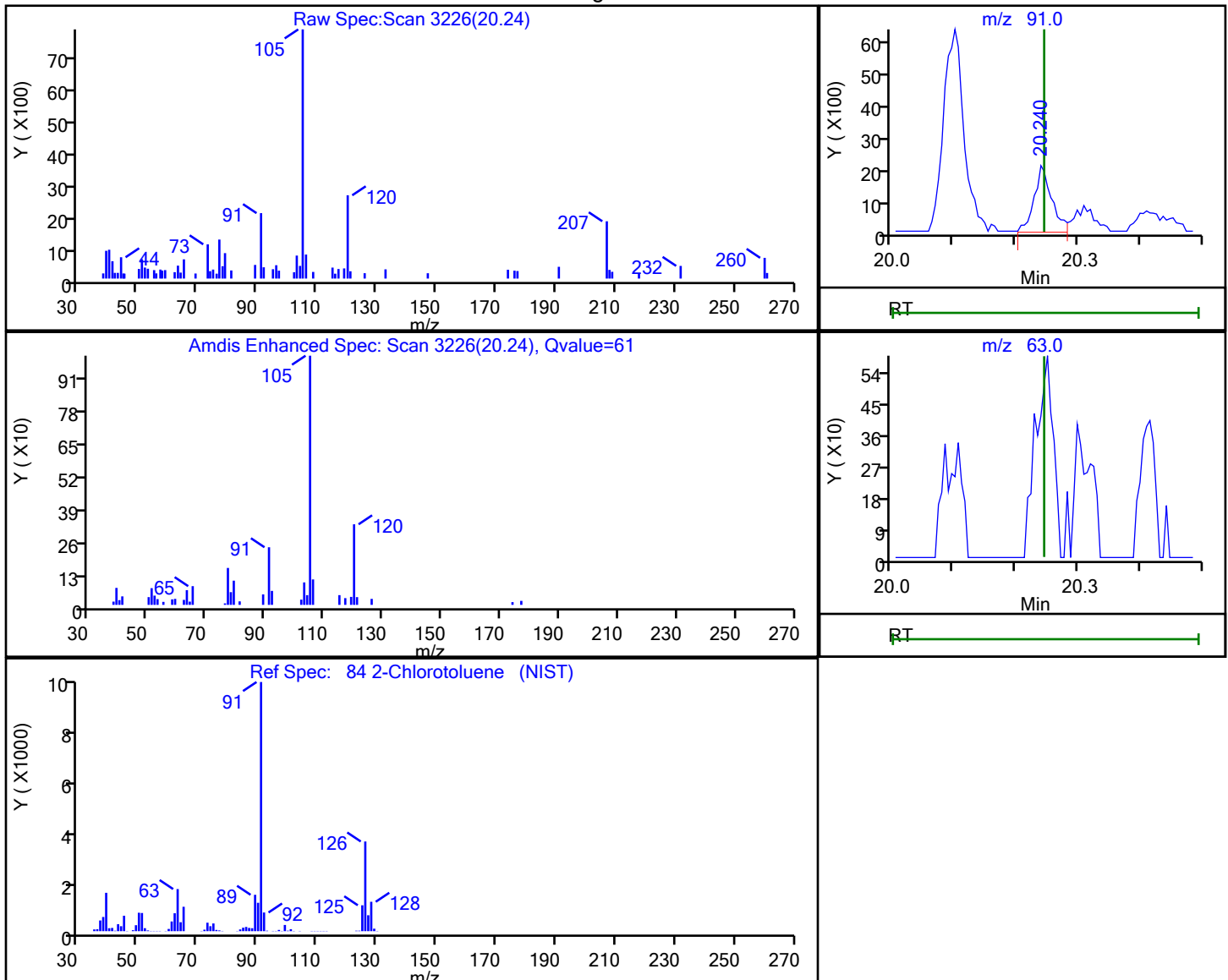
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

84 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
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20.24	63.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:31:17

Audit Action: Marked Compound Undetected

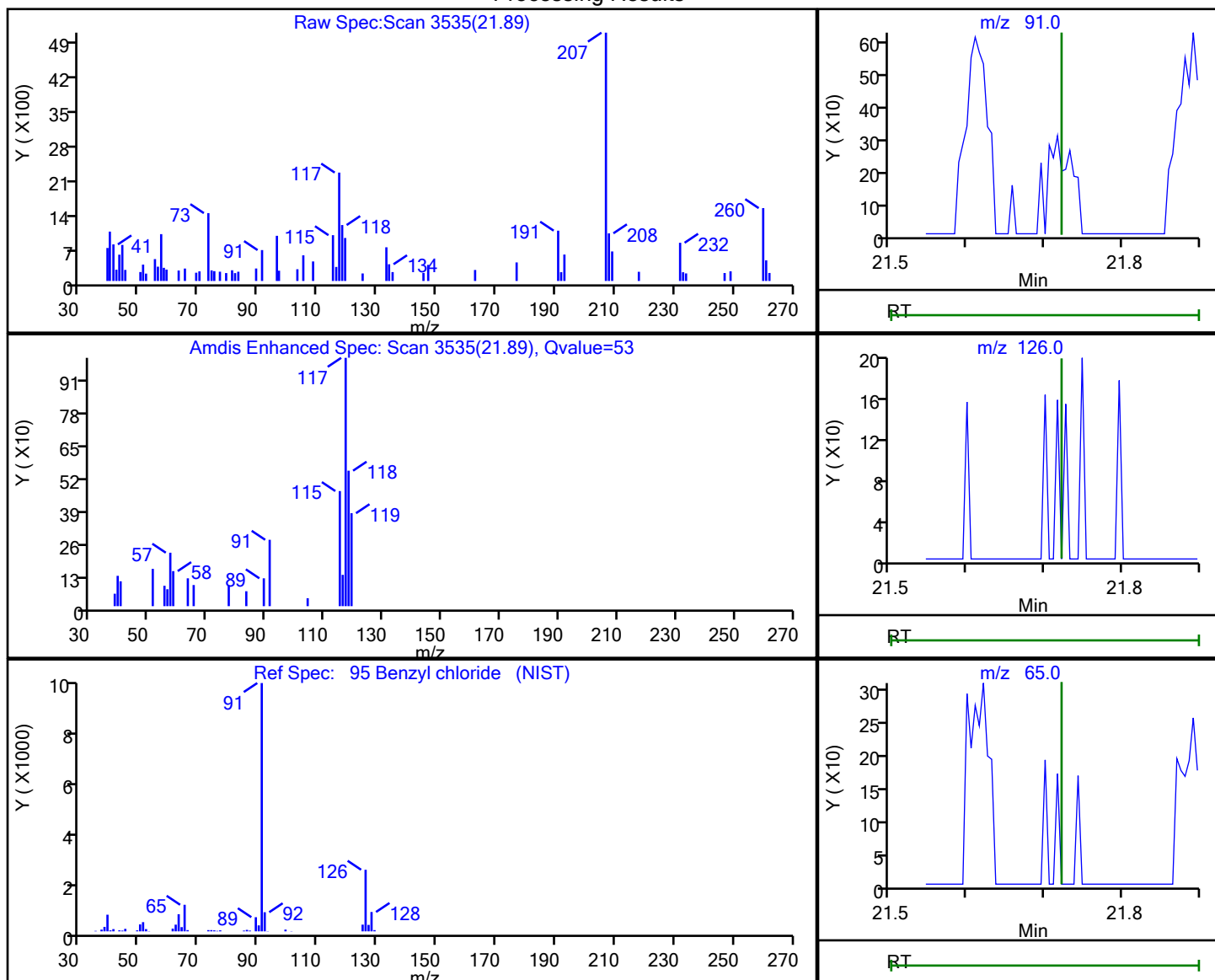
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D
Injection Date: 20-Mar-2023 17:00:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-4 Lab Sample ID: 200-67137-4
Client ID: CLEANER-2
Operator ID: vtp ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

95 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
21.89	91.00	1321	0.011013
21.72	126.00	0	
21.89	65.00	250	

Reviewer: BKZ7, 21-Mar-2023 08:31:30

Audit Action: Marked Compound Undetected

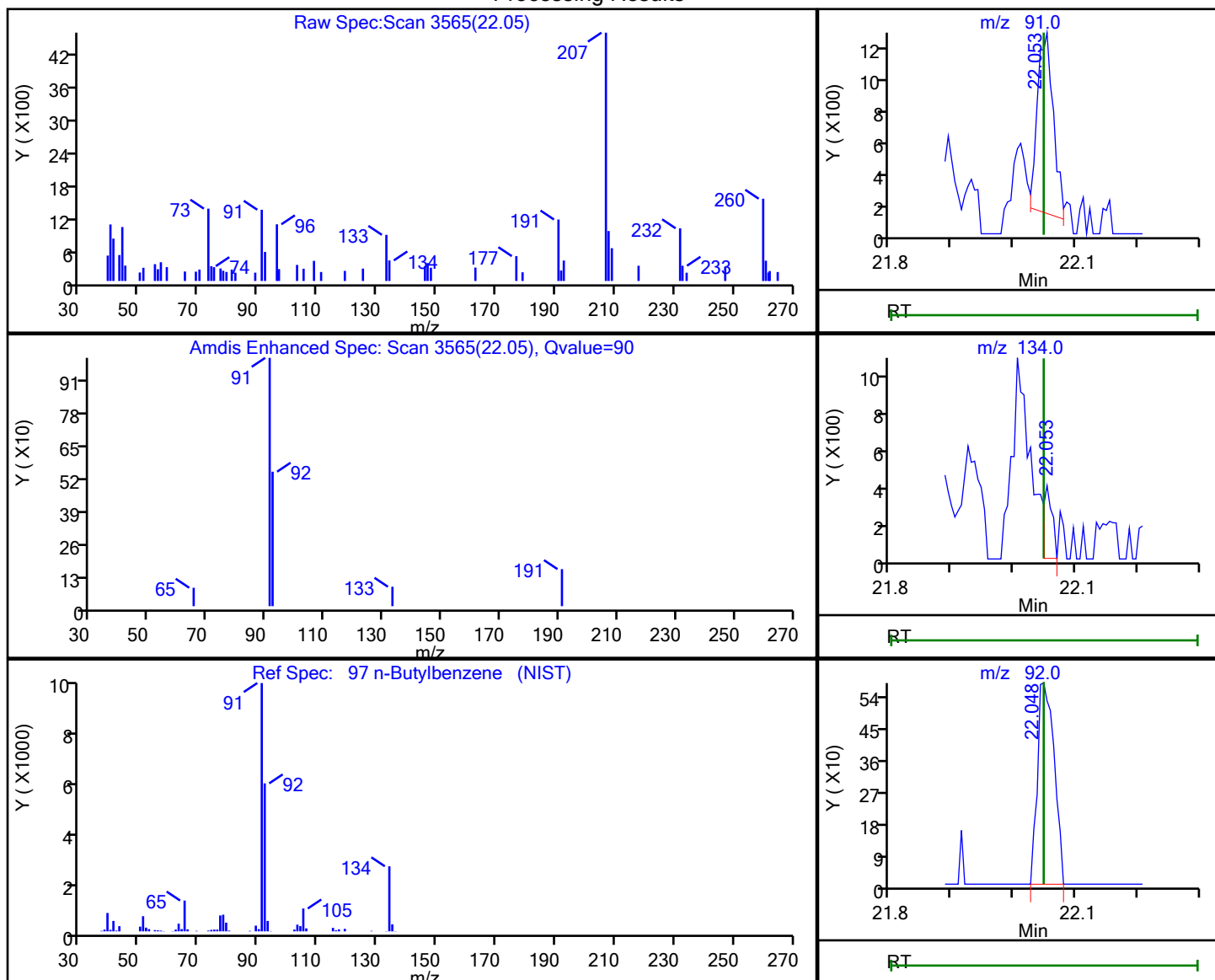
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D
Injection Date: 20-Mar-2023 17:00:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-4 Lab Sample ID: 200-67137-4
Client ID: CLEANER-2
Operator ID: vtp ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

97 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
22.05	91.00	2097	0.016333
22.05	134.00	360	
22.05	92.00	1092	

Reviewer: BKZ7, 21-Mar-2023 08:31:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

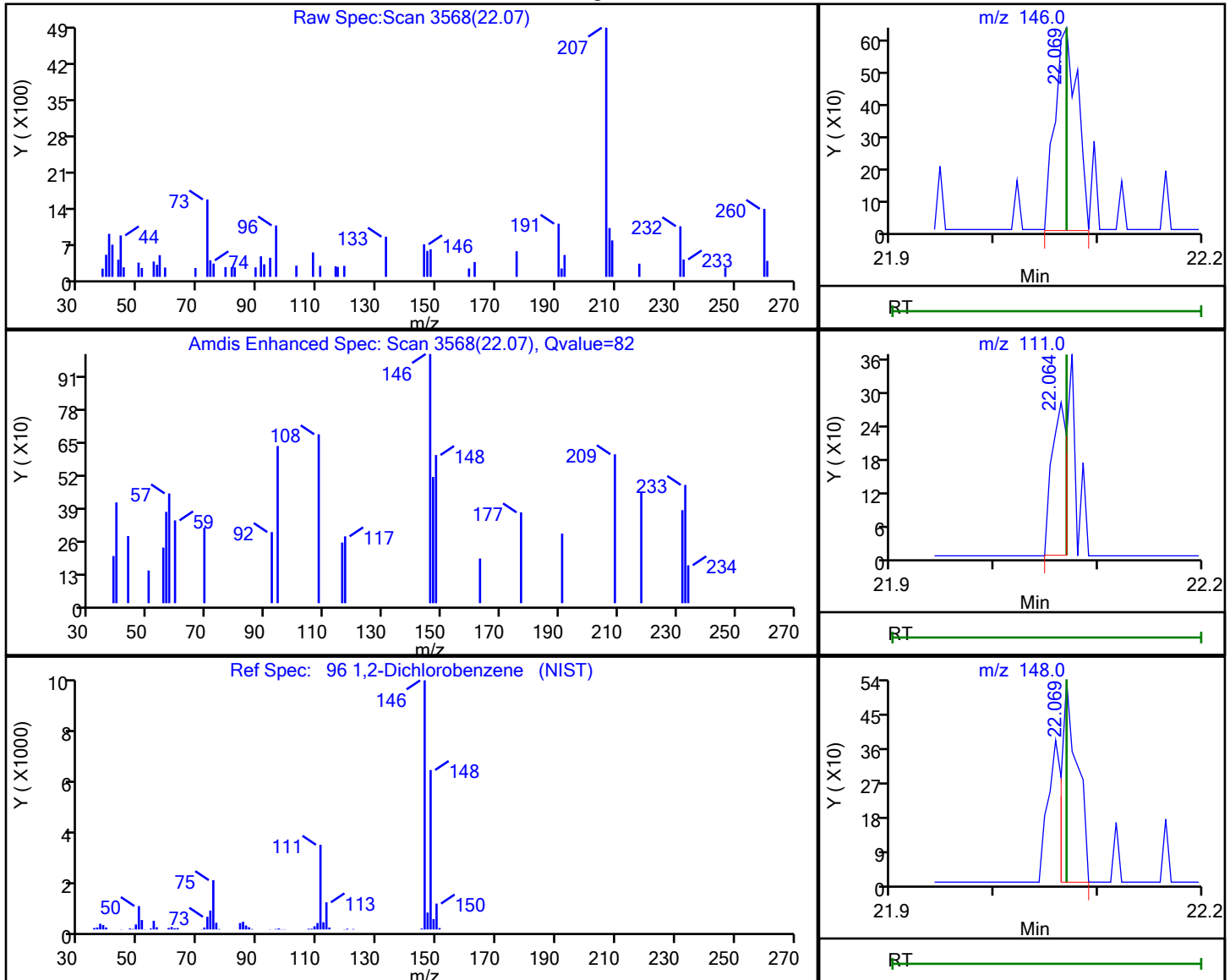
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

96 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
22.07	146.00	959	0.011738
22.06	111.00	280	
22.07	148.00	561	

Reviewer: BKZ7, 21-Mar-2023 08:31:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

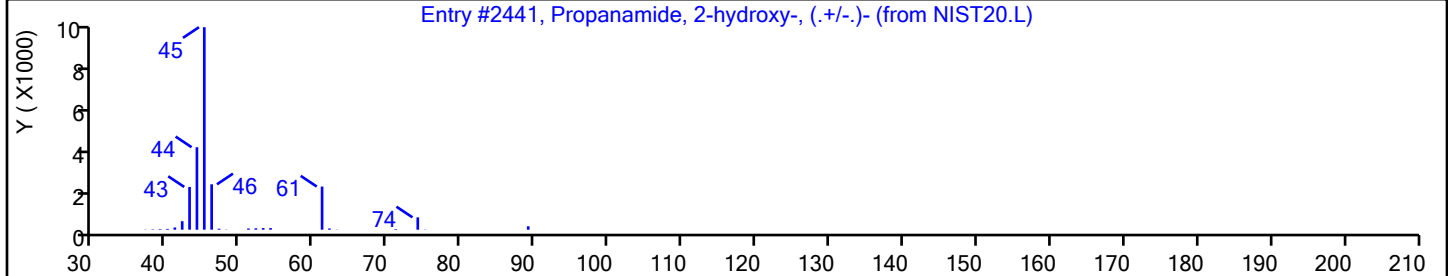
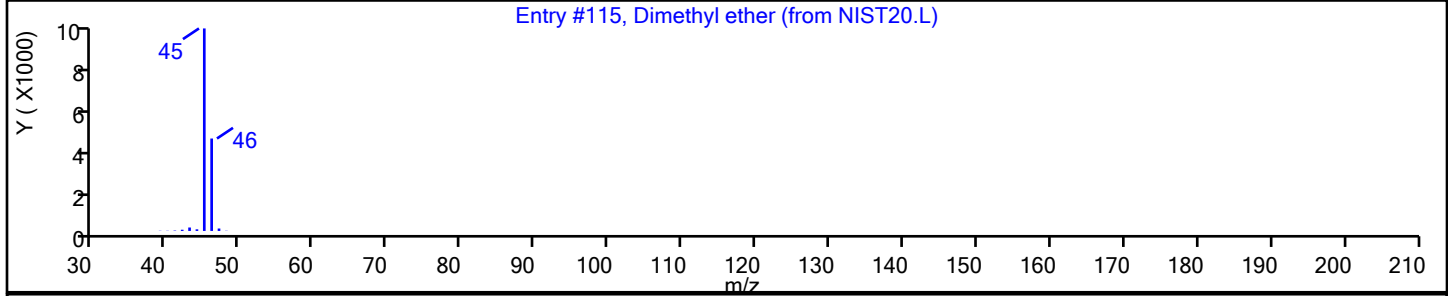
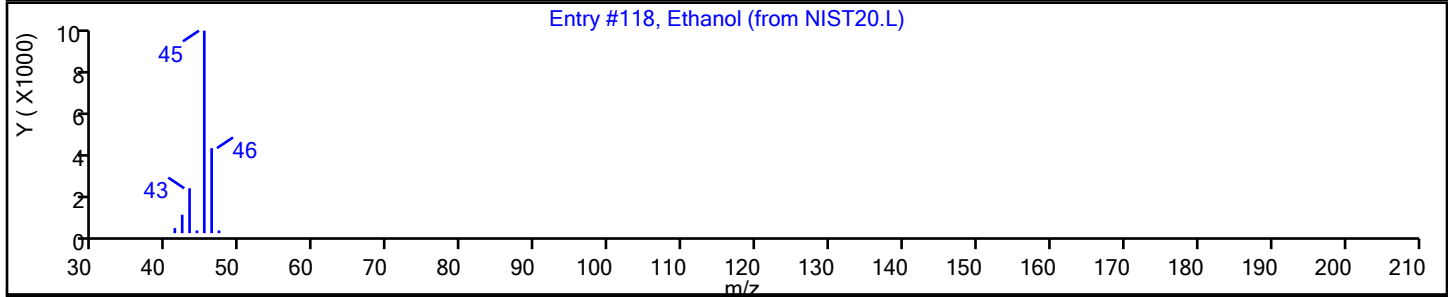
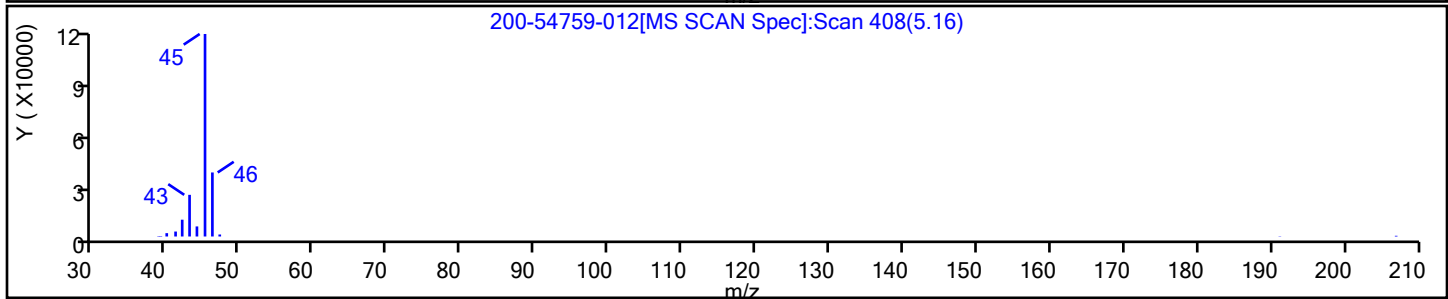
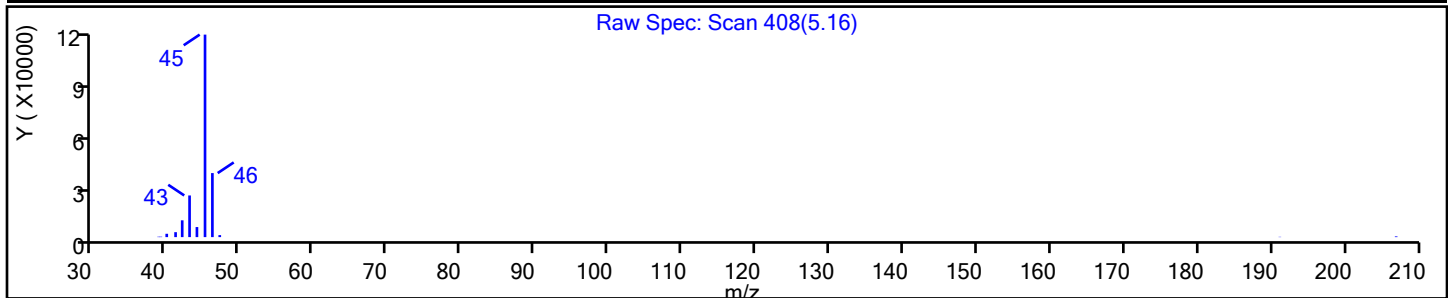
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Unknown						
Ethanol	64-17-5	NIST20.L	118	C2H6O	46	64
Dimethyl ether	115-10-6	NIST20.L	115	C2H6O	46	9
Propanamide, 2-hydroxy-, (+/-)-	998452-75-8	NIST20.L	2441	C3H7NO2	89	9



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-012.D

Injection Date: 20-Mar-2023 17:00:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-4

Lab Sample ID: 200-67137-4

Client ID: CLEANER-2

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

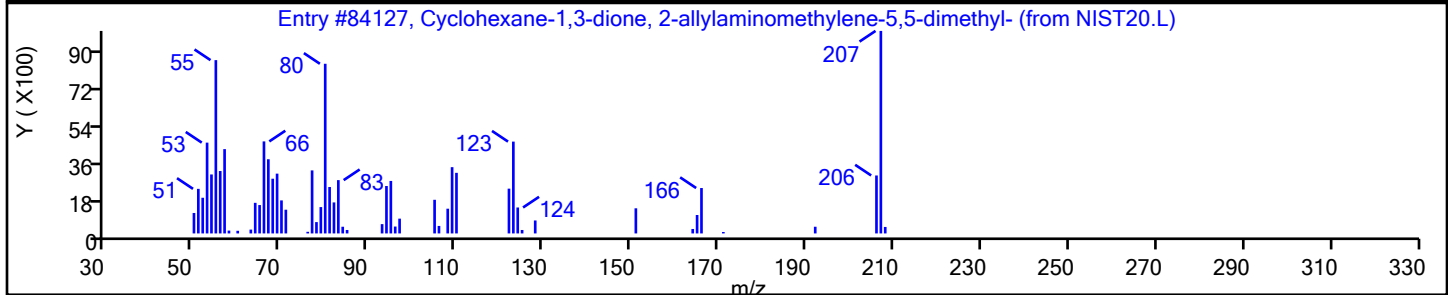
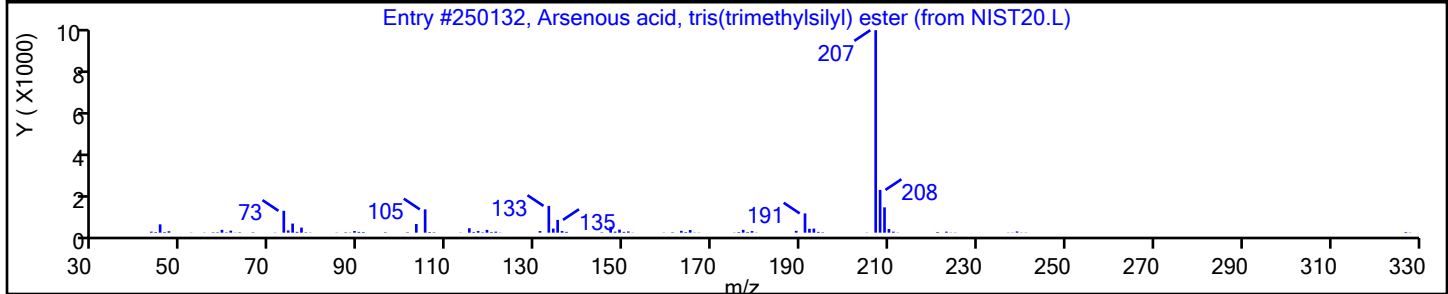
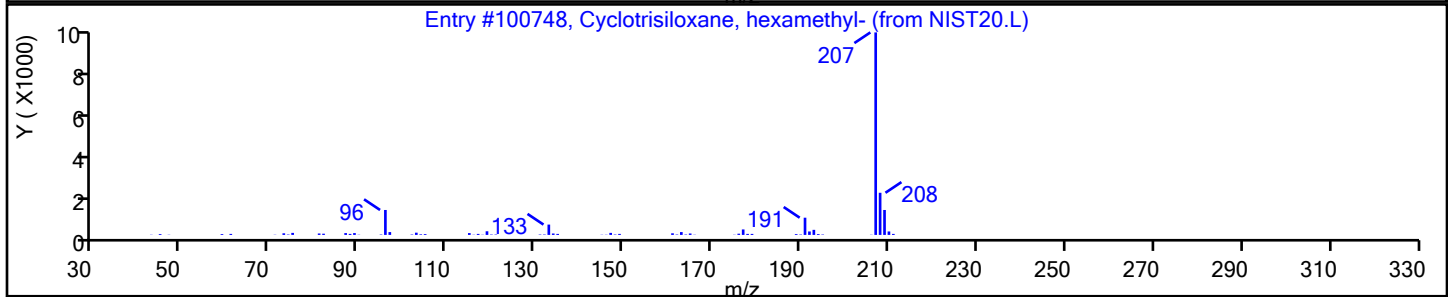
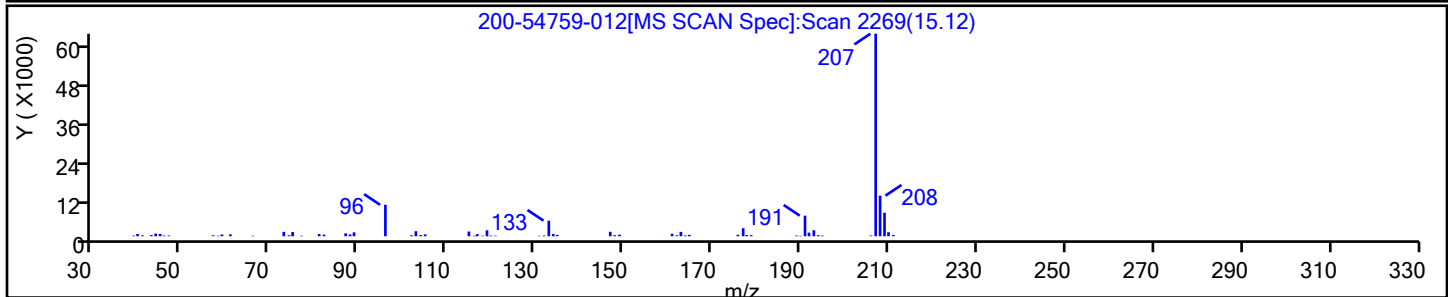
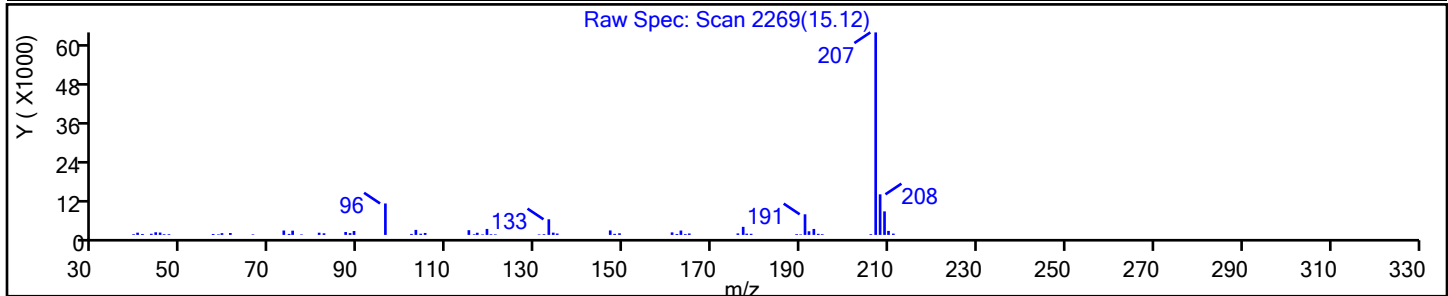
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST20.L	100748	C6H18O3Si3	222	91
Arsenous acid, tris(trimethylsilyl) ester	55429-29-3	NIST20.L	250132	C9H27AsO3Si3	342	56
Cyclohexane-1,3-dione, 2-allylaminomethylene-5,5	104926-37-6	NIST20.L	84127	C12H17NO2	207	43



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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-3 Lab Sample ID: 200-67137-5

Matrix: Air Lab File ID: 200-54759-013.D

Analysis Method: TO-15 Date Collected: 03/02/2023 17:43

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:53

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.11
75-45-6	Freon 22	86.47	1.1		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	0.52		0.50	0.15
106-97-8	n-Butane	58.12	15		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	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	Freon TF	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.026
67-64-1	Acetone	58.08	6.5		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	17		5.0	1.6
75-15-0	Carbon disulfide	76.14	0.21	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	0.45	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	0.50	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	72.11	0.59		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	1.3	J	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.024	J	0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-3 Lab Sample ID: 200-67137-5

Matrix: Air Lab File ID: 200-54759-013.D

Analysis Method: TO-15 Date Collected: 03/02/2023 17:43

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:53

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.051	J	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	0.035	U	0.035	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	1.3
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	methyl isobutyl ketone	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.20	U	0.20	0.042
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	0.056	J	0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.052
1330-20-7	Xylene (total)	106.17	0.70	U	0.70	0.052
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: CLEANER-3 Lab Sample ID: 200-67137-5
 Matrix: Air Lab File ID: 200-54759-013.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 17:43
 Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:53
 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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	0.50	U	0.50	0.32

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-3 Lab Sample ID: 200-67137-5

Matrix: Air Lab File ID: 200-54759-013.D

Analysis Method: TO-15 Date Collected: 03/02/2023 17:43

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:53

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.: 189486 Units: ug/m3

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	Freon 22	86.47	4.0		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	36		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	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	Freon TF	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.10
67-64-1	Acetone	58.08	16		12	3.8
67-63-0	Isopropyl alcohol	60.10	43		12	3.9
75-15-0	Carbon disulfide	76.14	0.64	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	1.5	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	1.8	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	72.11	1.7		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	3.8	J	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.15	J	0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: CLEANER-3 Lab Sample ID: 200-67137-5

Matrix: Air Lab File ID: 200-54759-013.D

Analysis Method: TO-15 Date Collected: 03/02/2023 17:43

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:53

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.16	J	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	0.19	U	0.19	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	4.7
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	methyl isobutyl ketone	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.75	U	0.75	0.16
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	0.24	J	0.87	0.23
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.23
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	0.23
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: CLEANER-3 Lab Sample ID: 200-67137-5
Matrix: Air Lab File ID: 200-54759-013.D
Analysis Method: TO-15 Date Collected: 03/02/2023 17:43
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:53
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	3.7	U	3.7	2.4

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: CLEANER-3 Lab Sample ID: 200-67137-5
Matrix: Air Lab File ID: 200-54759-013.D
Analysis Method: TO-15 Date Collected: 03/02/2023 17:43
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 17:53
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.: 189486 Units: ppb v/v
Number TICs Found: 2 TIC Result Total: 3.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	3.10	1.1	J	
	Unknown	5.16	2.6	J	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D
 Lims ID: 200-67137-A-5
 Client ID: CLEANER-3
 Sample Type: Client
 Inject. Date: 20-Mar-2023 17:53:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-013
 Misc. Info.: 67137-5
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:33:13 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: BKZ7

Date: 21-Mar-2023 08:33:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	43710	0.4862	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	97	59088	1.14	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50	3.463	3.458	0.005	99	15120	0.5233	
6 Vinyl chloride	62		3.656				ND	
7 Butane	43	3.666	3.661	0.005	96	538305	15.0	
8 Butadiene	54		3.730				ND	MU
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101	4.880	4.870	0.010	97	11325	0.1671	
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.799	0.006	48	2909	0.0463	
19 Acetone	43	5.838	5.827	0.011	99	251872	6.54	
22 Isopropyl alcohol	45	6.122	6.084	0.038	100	812918	17.3	
23 Carbon disulfide	76	6.154	6.143	0.011	98	18036	0.2068	
25 3-Chloro-1-propene	41		6.395				ND	MU
26 Methylene Chloride	49	6.614	6.603	0.011	97	16616	0.4459	
27 2-Methyl-2-propanol	59	6.951	6.817	0.134	91	3476	0.0654	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57	7.614	7.604	0.010	87	2869	0.0708	
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.823	8.807	0.016	99	7536	0.5898	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.240	9.241	-0.001	95	290200	10.0	
38 Tetrahydrofuran	42	9.337	9.315	0.022	93	40280	1.28	
39 Chloroform	83	9.428	9.428	0.006	53	2276	0.0293	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84	9.909	9.909	0.005	87	710	0.0164	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117	10.054	10.043	0.011	92	1874	0.0242	
44 Benzene	78	10.417	10.412	0.005	96	5739	0.0512	
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43		11.017				ND	7
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	95	1568812	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	7
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.323	14.333	-0.005	92	2939	0.0397	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166		15.398				ND	
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.190	17.190	0.000	91	1362879	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.468	17.474	0.000	97	9021	0.0561	
74 m-Xylene & p-Xylene	106		17.752				ND	
76 o-Xylene	106	18.560	18.576	0.000	97	2421	0.0423	
77 Styrene	104		18.597				ND	
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	
S 82 Xylenes, Total	106				0		0.0423	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.095				ND	
84 2-Chlorotoluene	91		20.245				ND	
85 4-Ethyltoluene	105		20.309				ND	
86 1,3,5-Trimethylbenzene	105		20.411				ND	
89 tert-Butylbenzene	119		20.914				ND	
90 1,2,4-Trimethylbenzene	105		21.005				ND	MU
91 sec-Butylbenzene	105		21.256				ND	7
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119		21.481				ND	7
94 1,4-Dichlorobenzene	146		21.572				ND	7
95 Benzyl chloride	91		21.721				ND	7
97 n-Butylbenzene	91		22.048				ND	
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.519				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128		24.995				ND	7
103 1,2,3-Trichlorobenzene	180		25.402				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington
Tentatively Identified Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D
 Lims ID: 200-67137-A-5
 Client ID: CLEANER-3
 Sample Type: Client
 Inject. Date: 20-Mar-2023 17:53:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-013
 Misc. Info.: 67137-5
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:33:13 Calib Date: 10-Mar-2023 19:06:30
 Tic RT Window: 0.000 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\chromfs\Burlington\Database\NIST20.L
 Min. Match: 1
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647
 First Level Reviewer: BKZ7 Date: 21-Mar-2023 08:33:13

Tentative Identified Compound Results

RT	Area	Amount ppb v/v	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
3.104	242125	1.11	37	0	0		0	
5.164	555785	2.56	37	0	0		0	

Quantitation Compounds

Compound	RT	Area	Amount ppb v/v

* 37 Chlorobromomethane 9.240 2175022 10.0

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Worklist Smp#: 13

Client ID: CLEANER-3

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

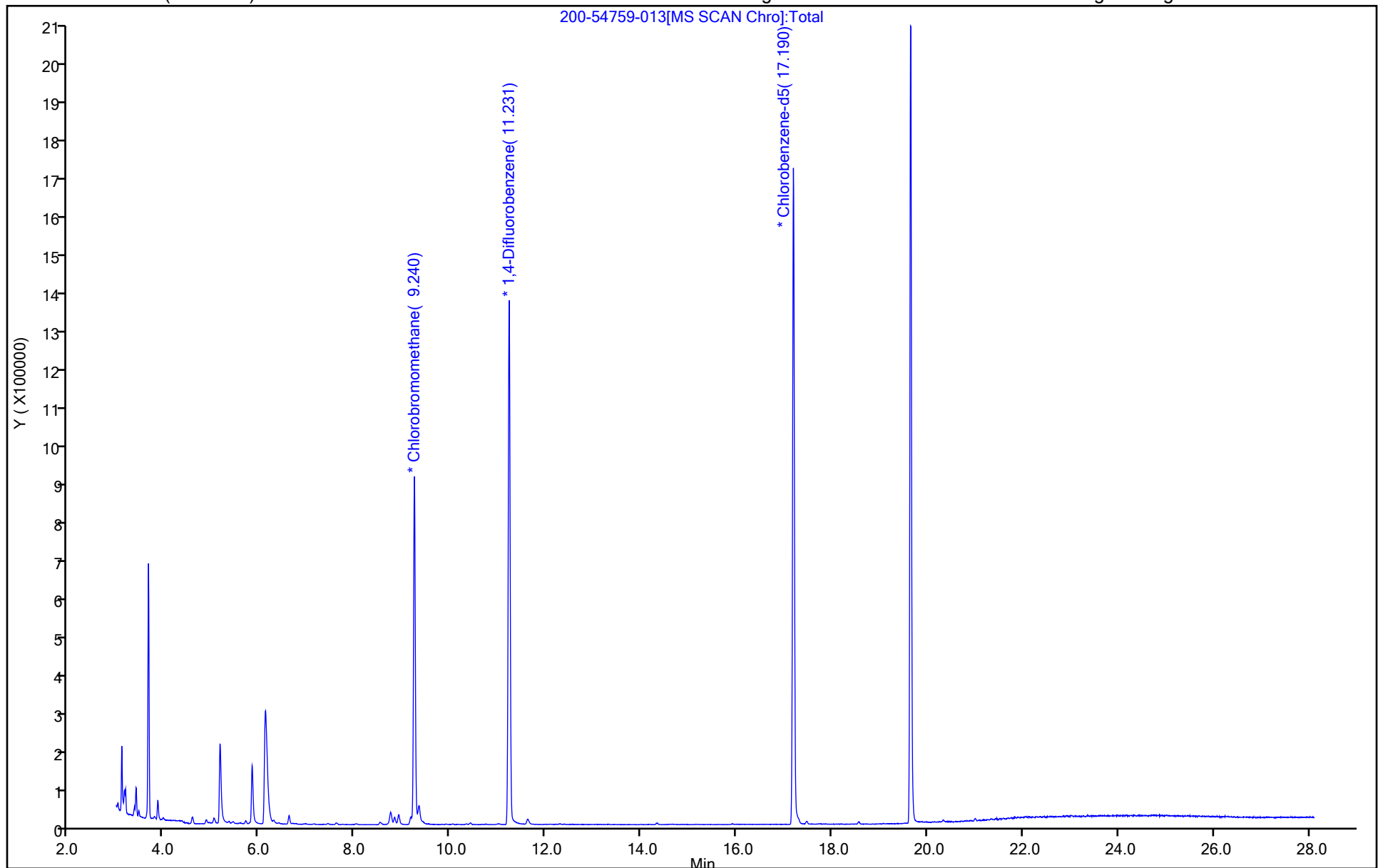
ALS Bottle#: 12

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

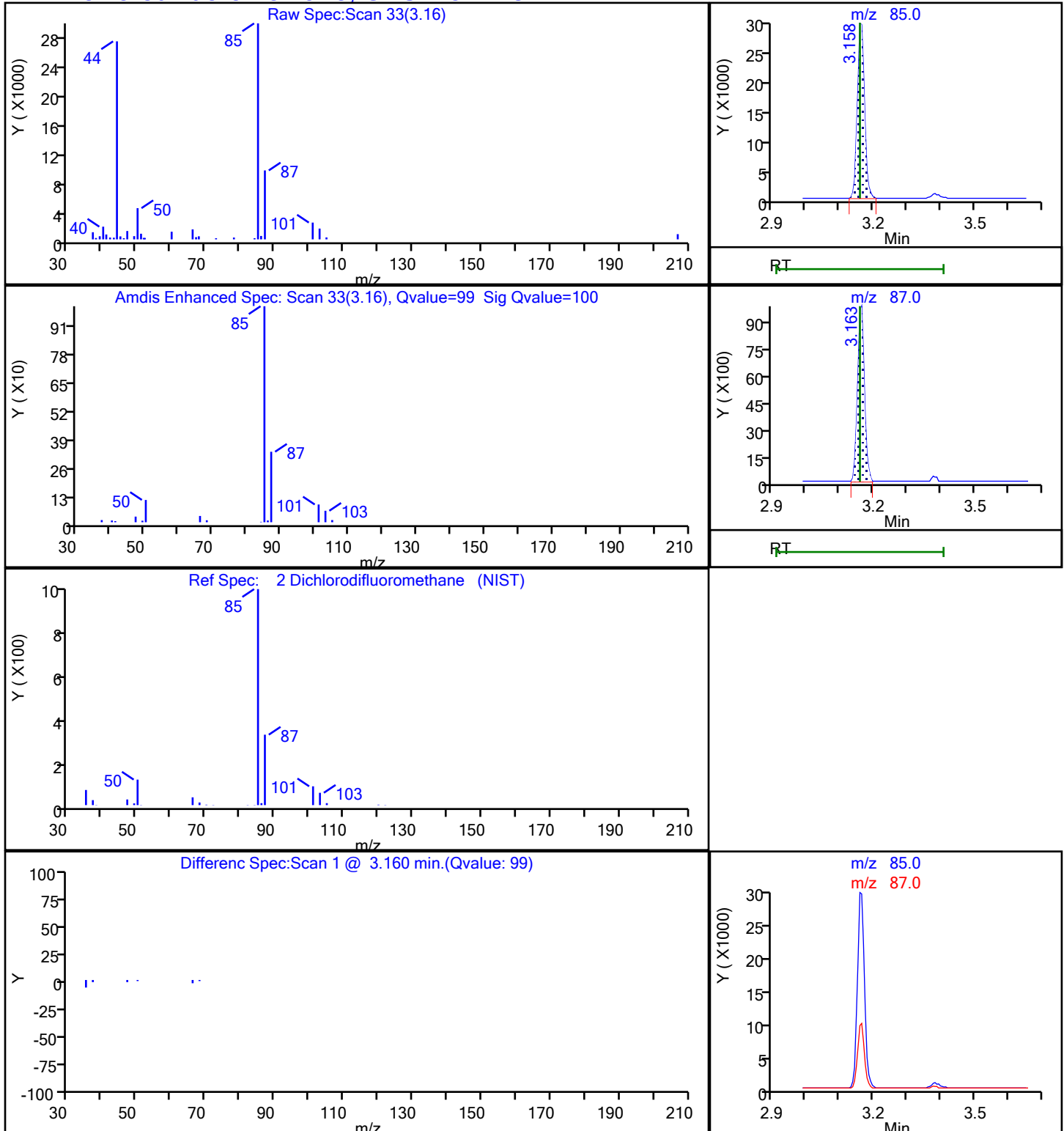
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

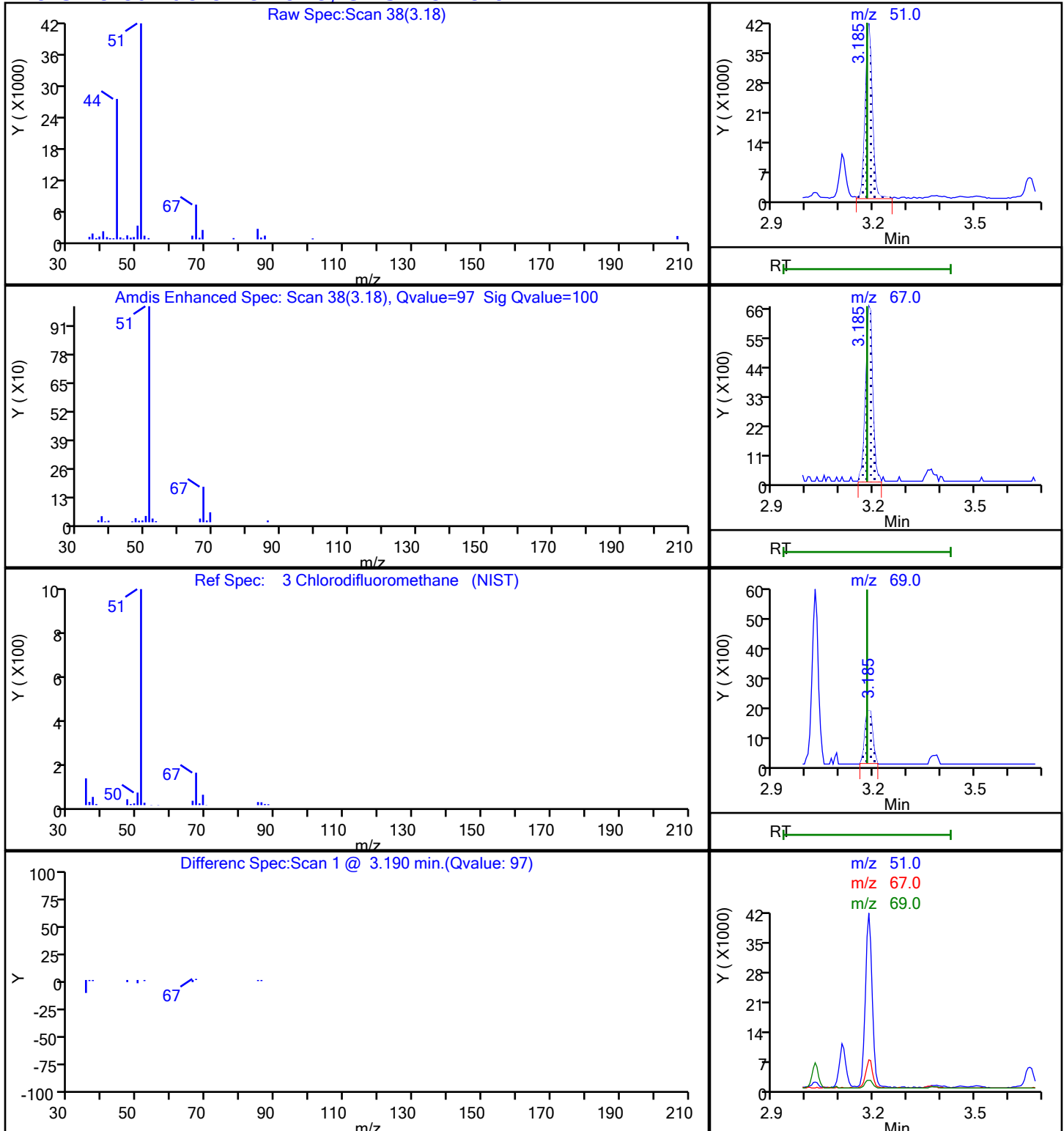
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

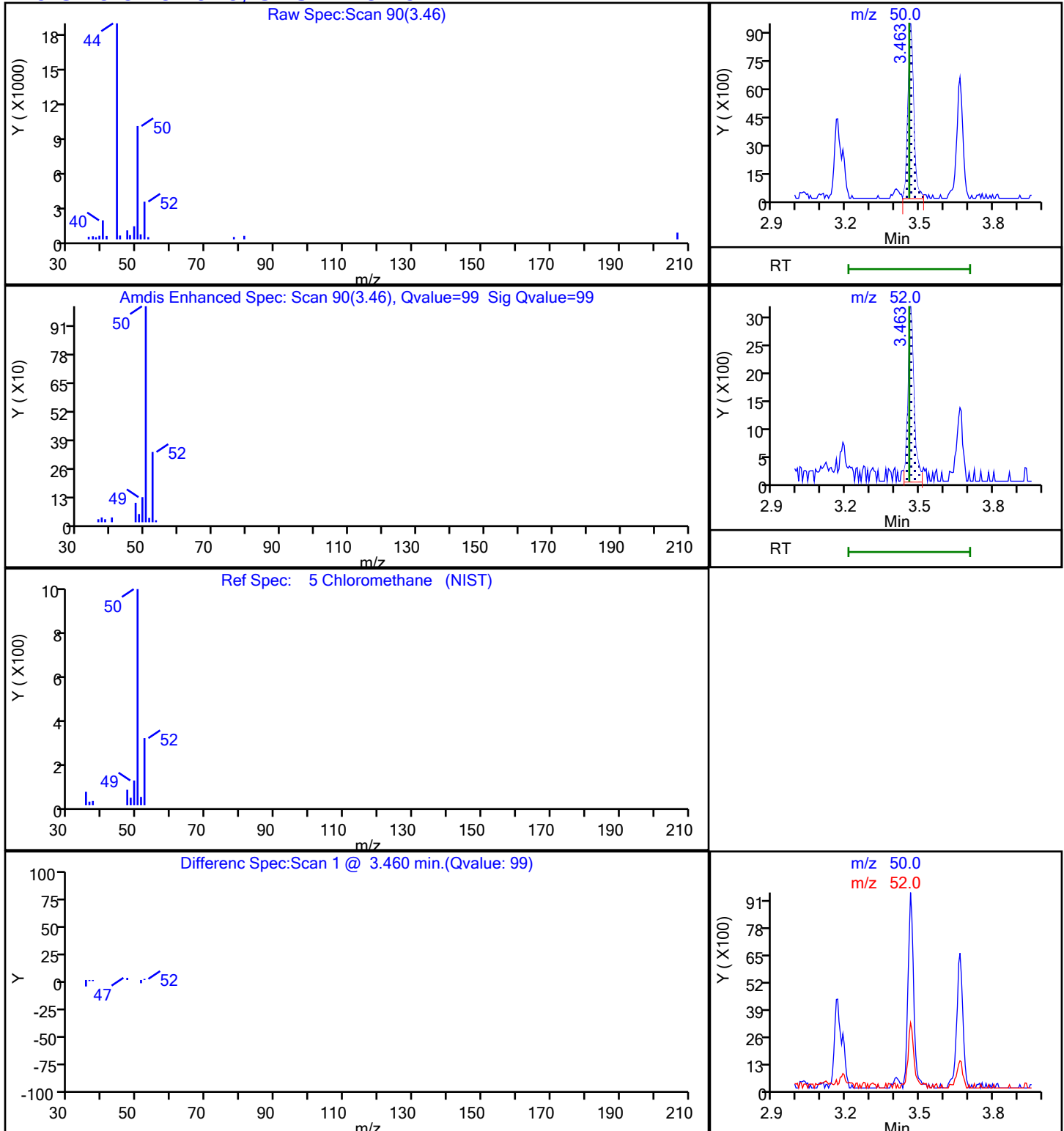
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

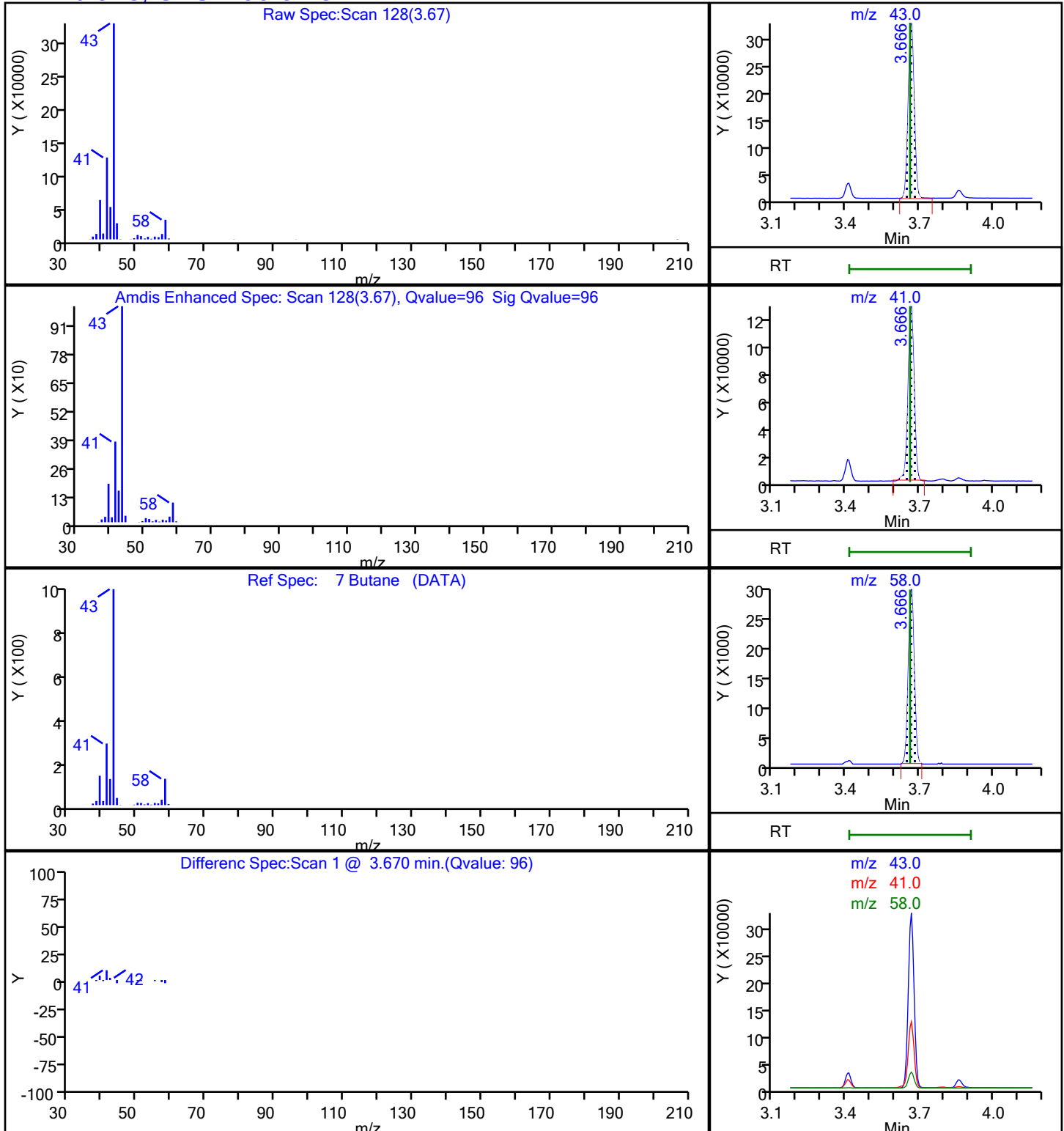
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

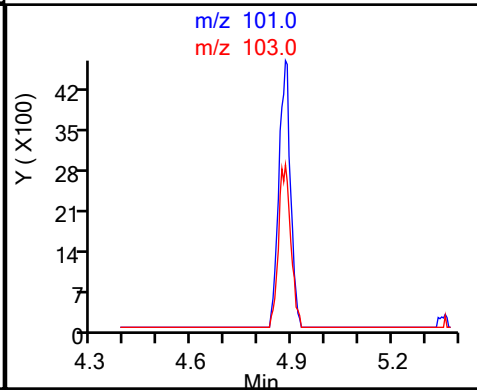
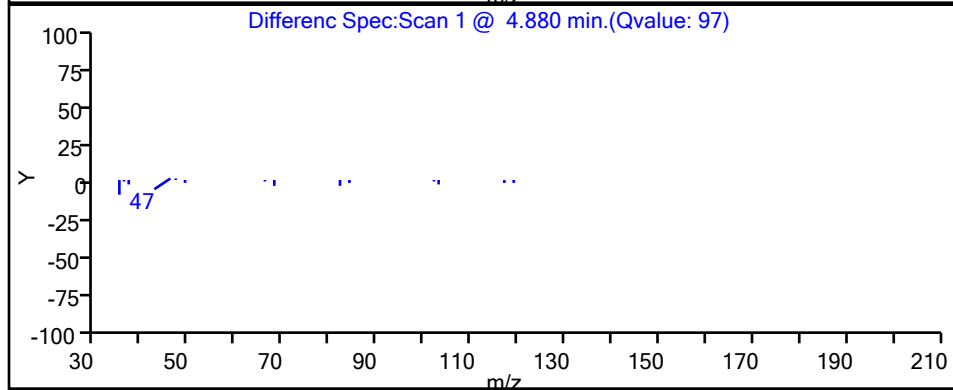
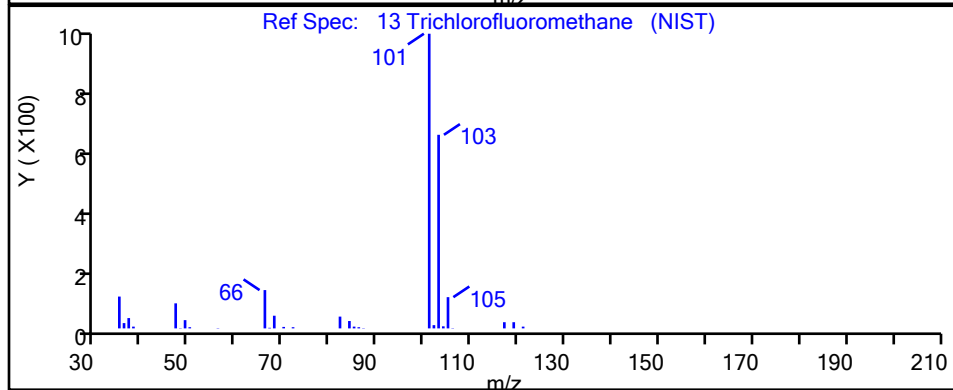
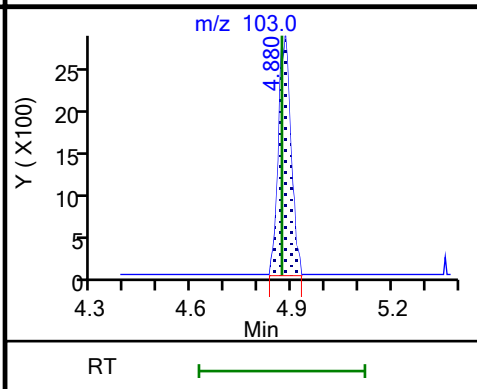
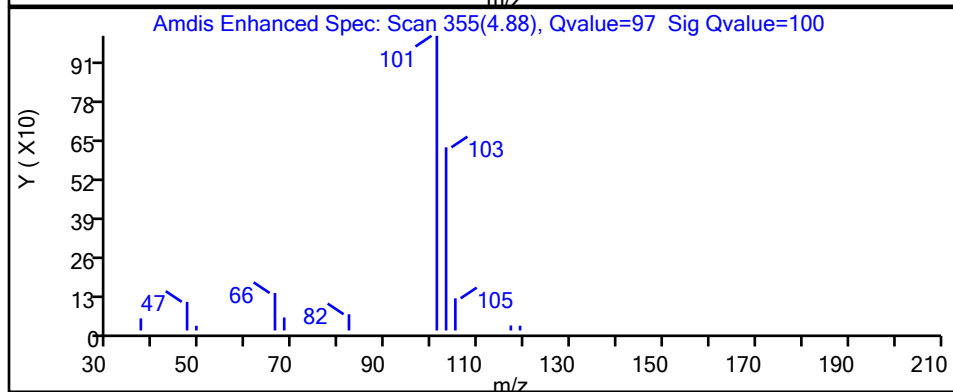
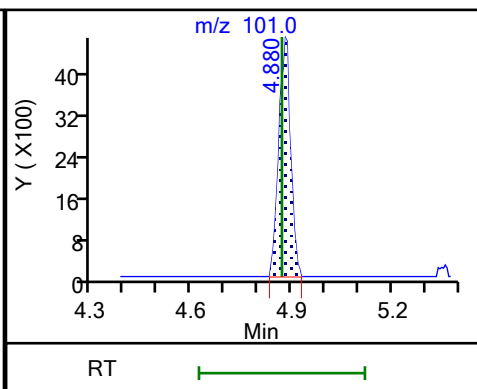
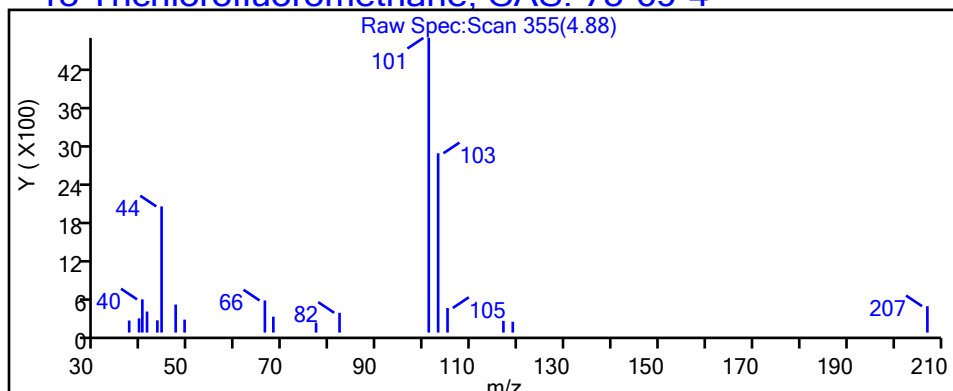
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

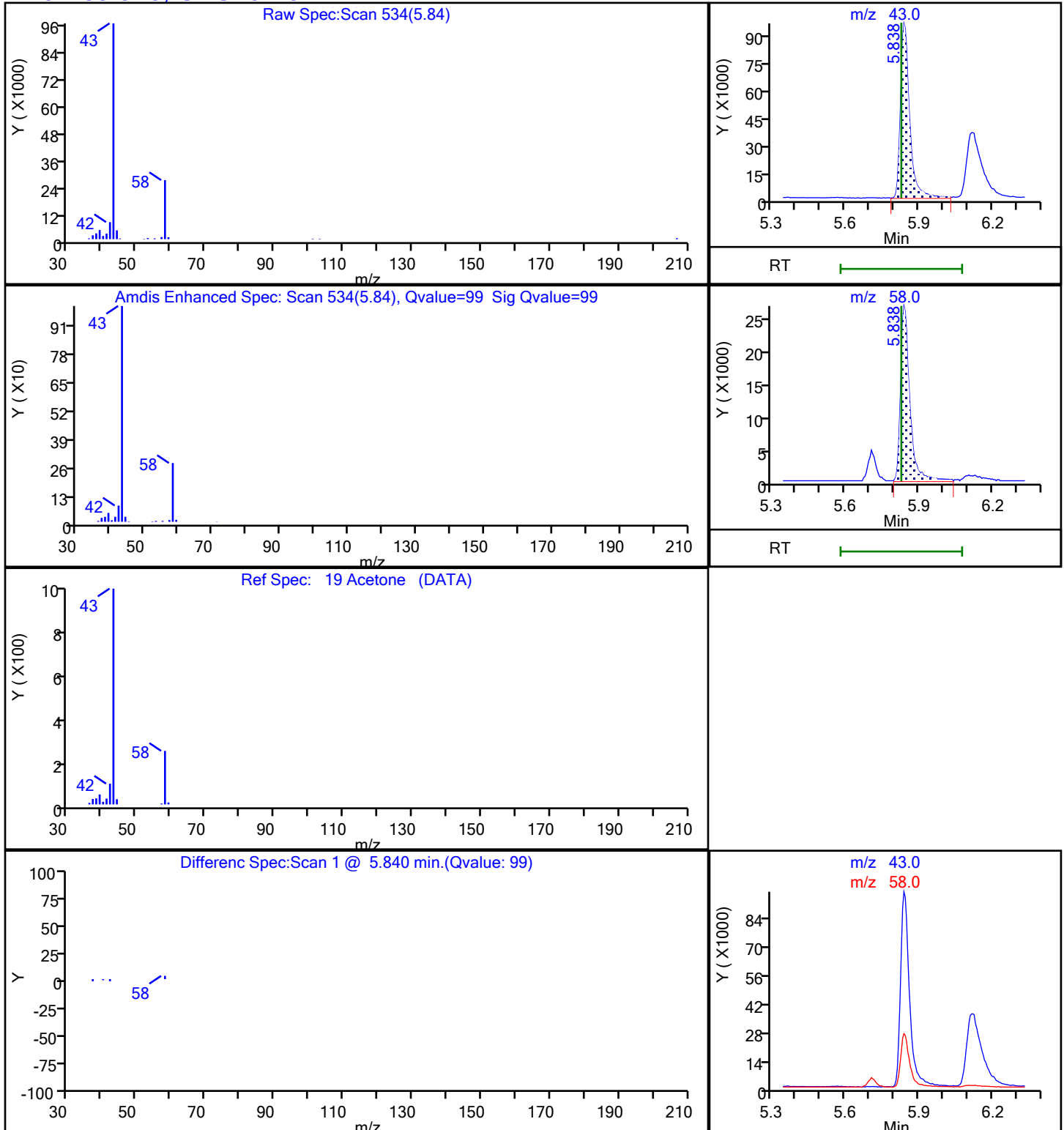
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

19 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

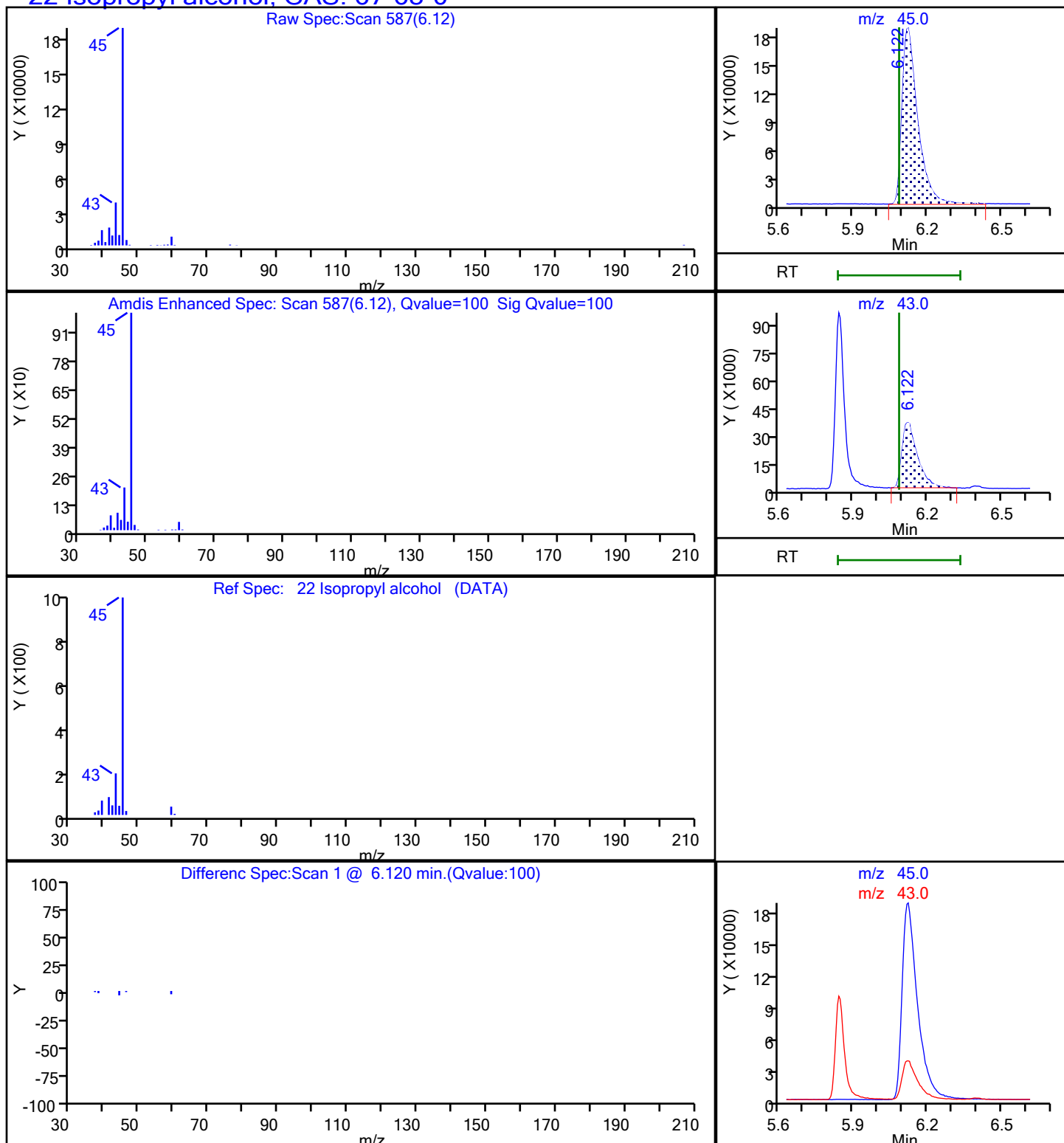
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Isopropyl alcohol, CAS: 67-63-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

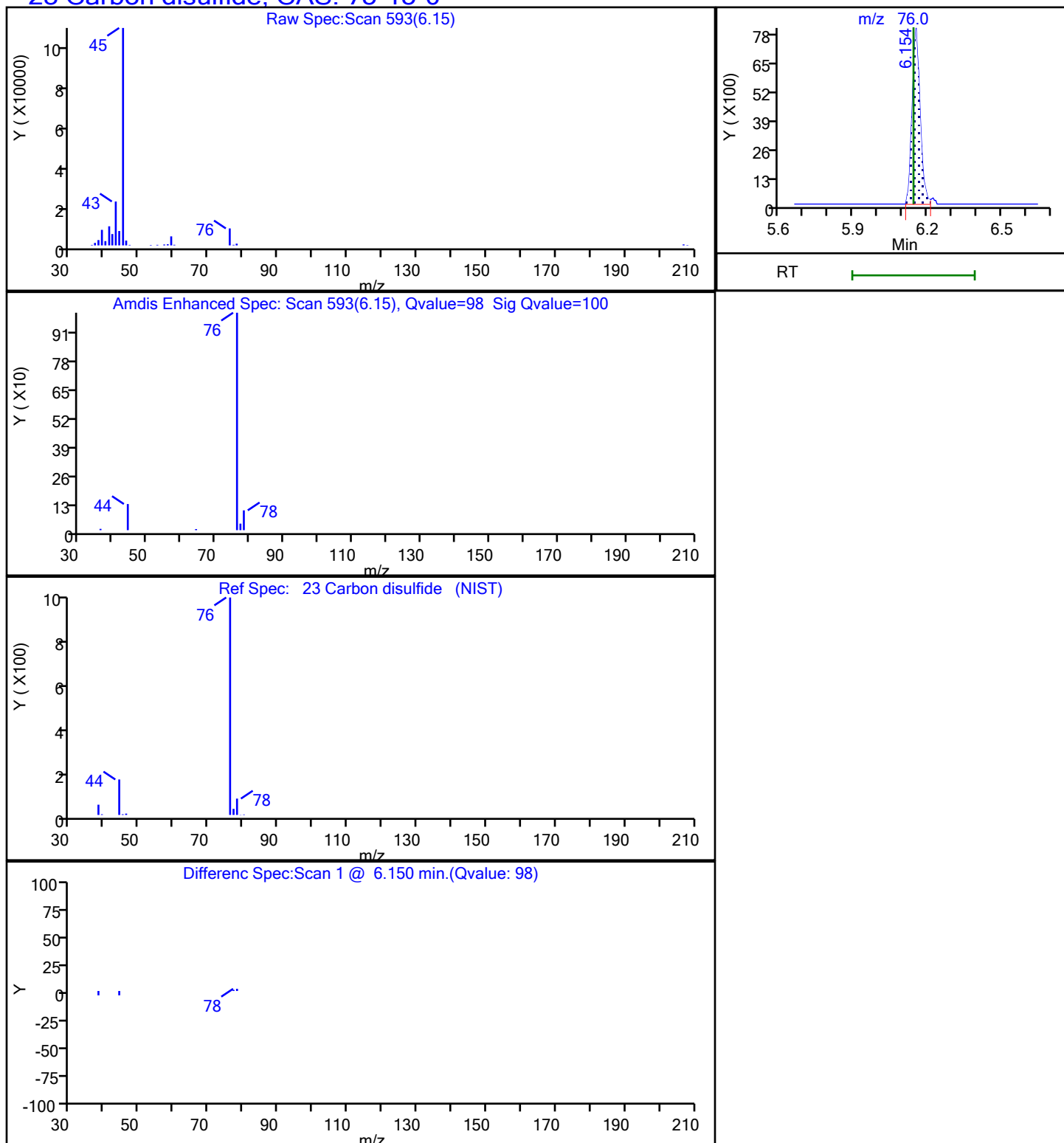
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

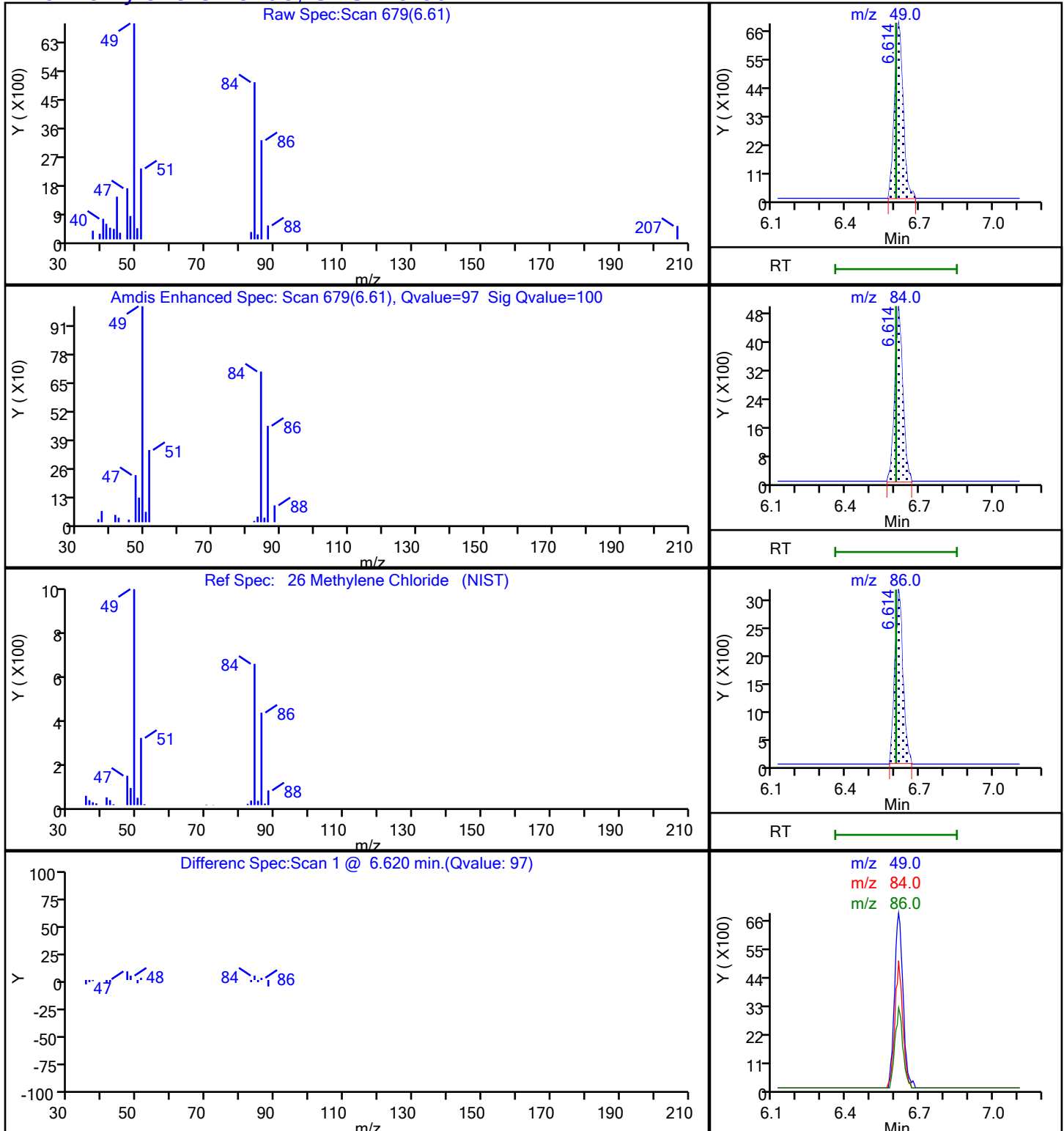
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

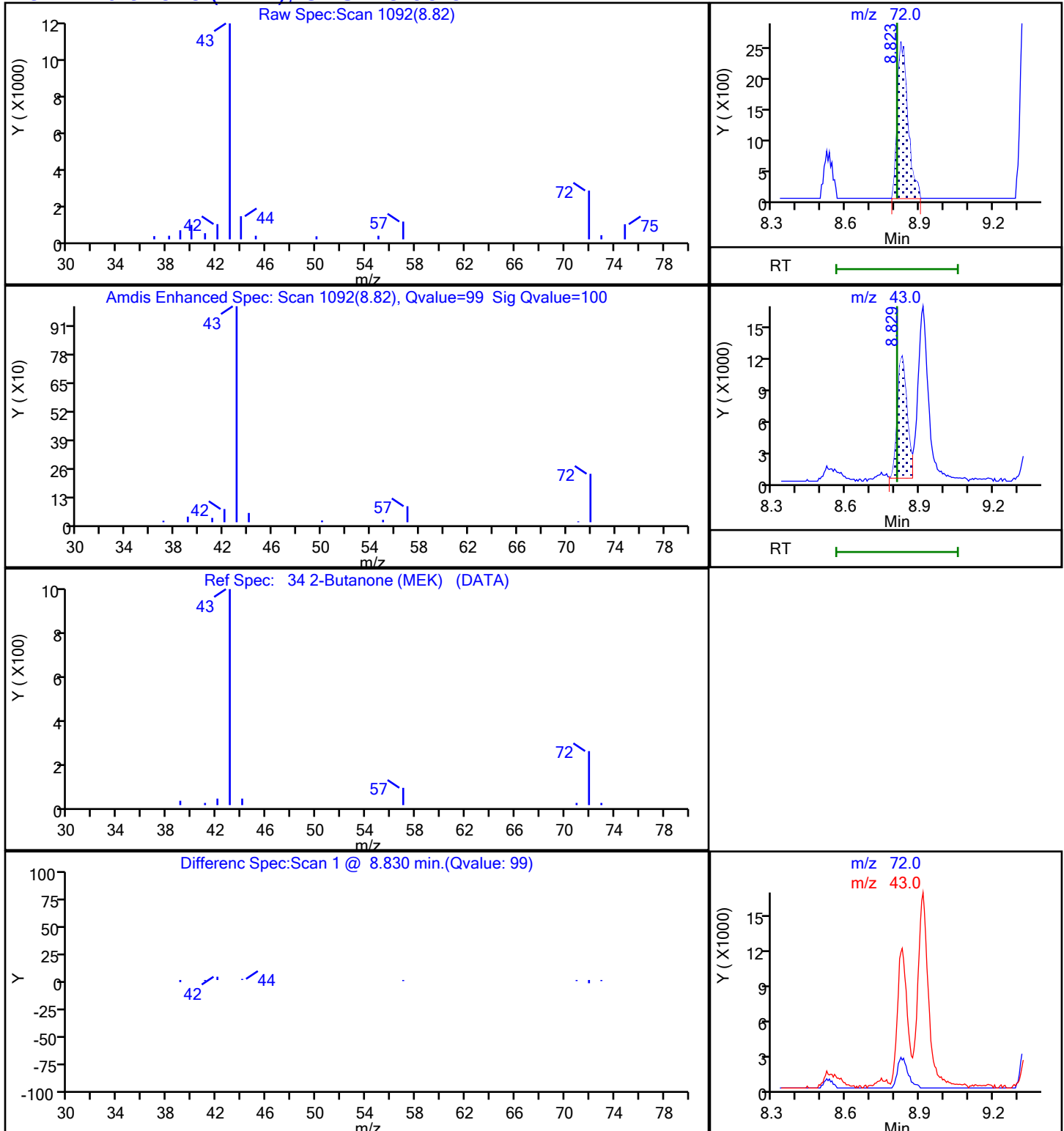
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

34 2-Butanone (MEK), CAS: 78-93-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

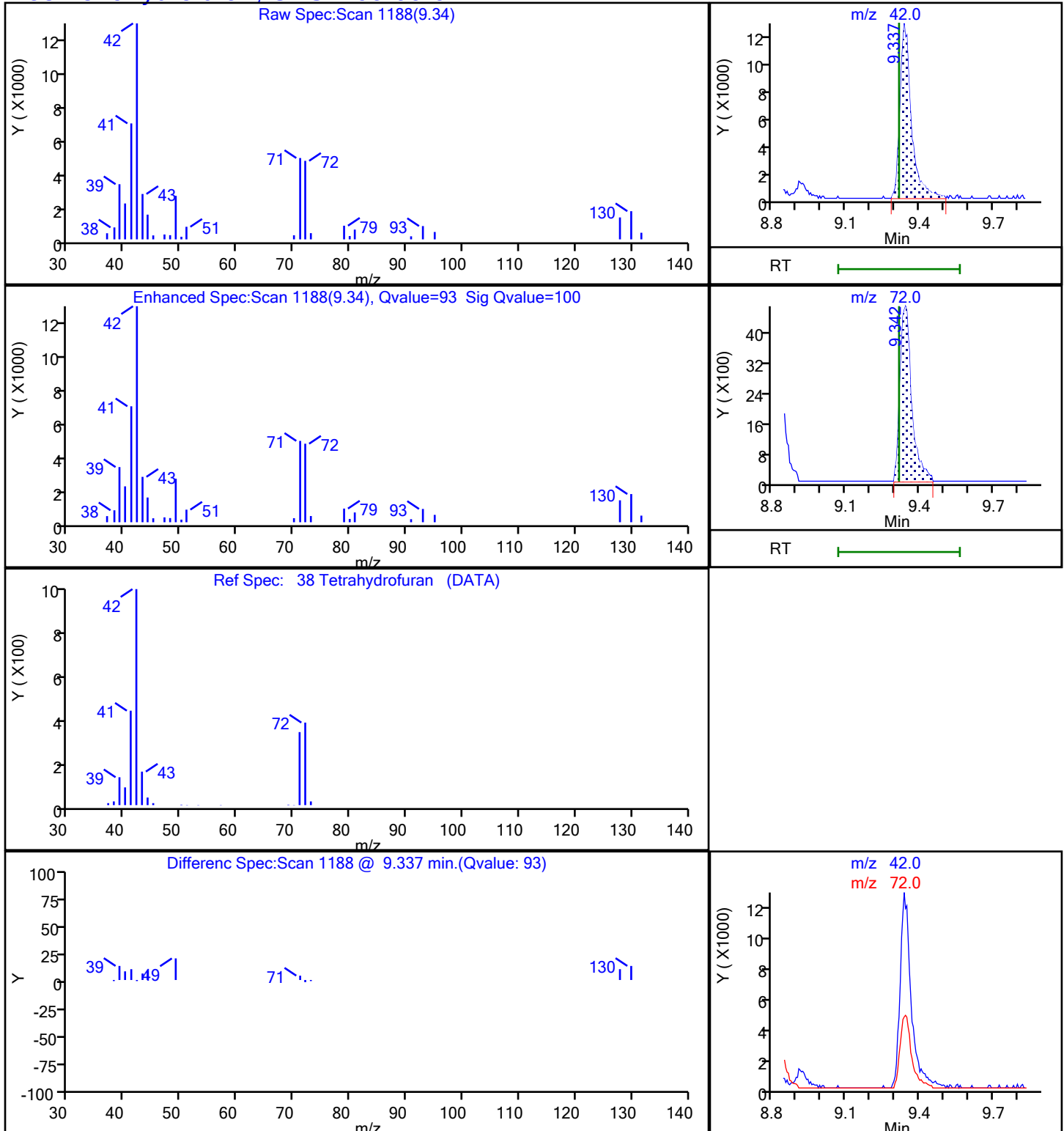
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 Tetrahydrofuran, CAS: 109-99-9

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

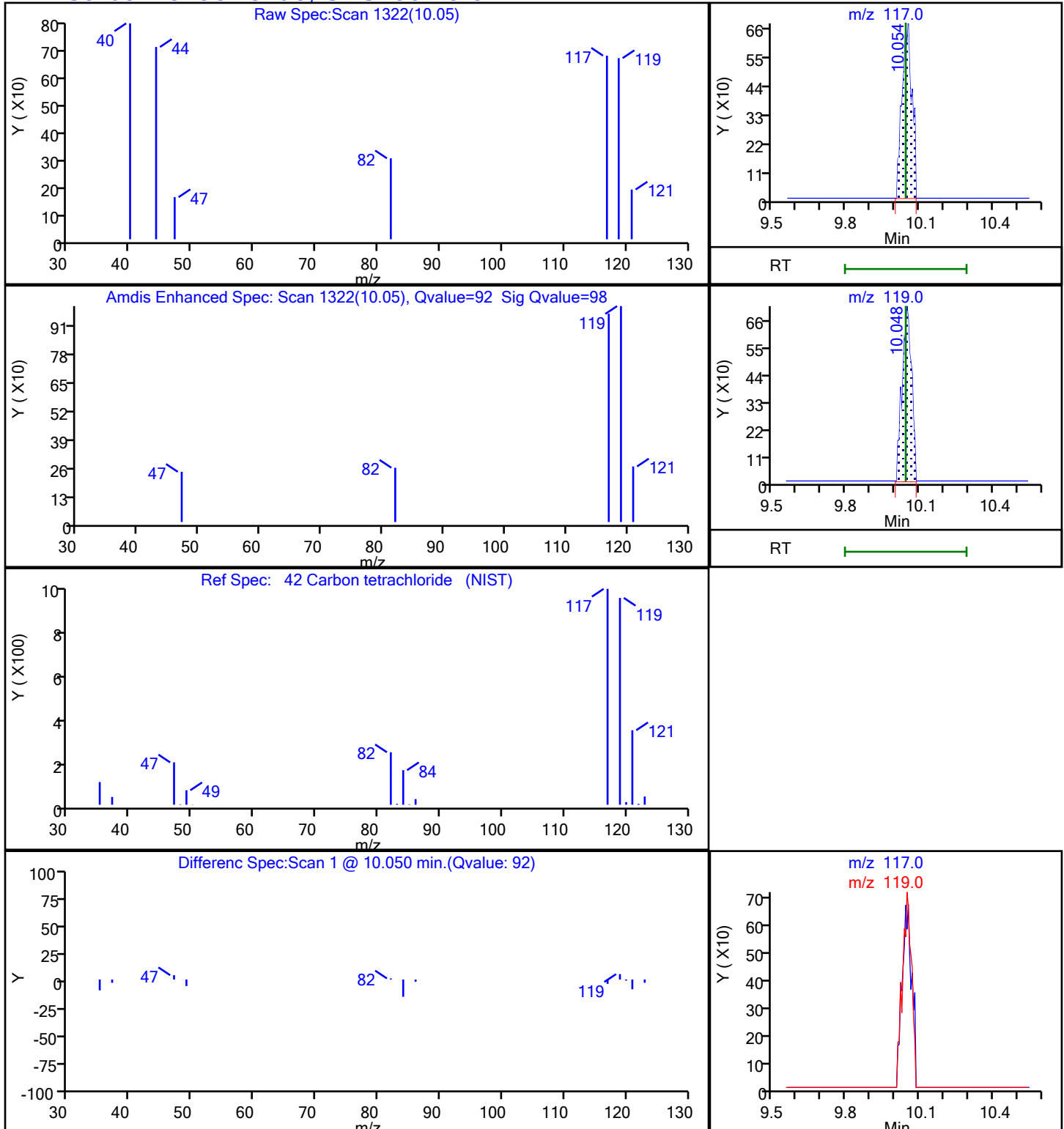
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

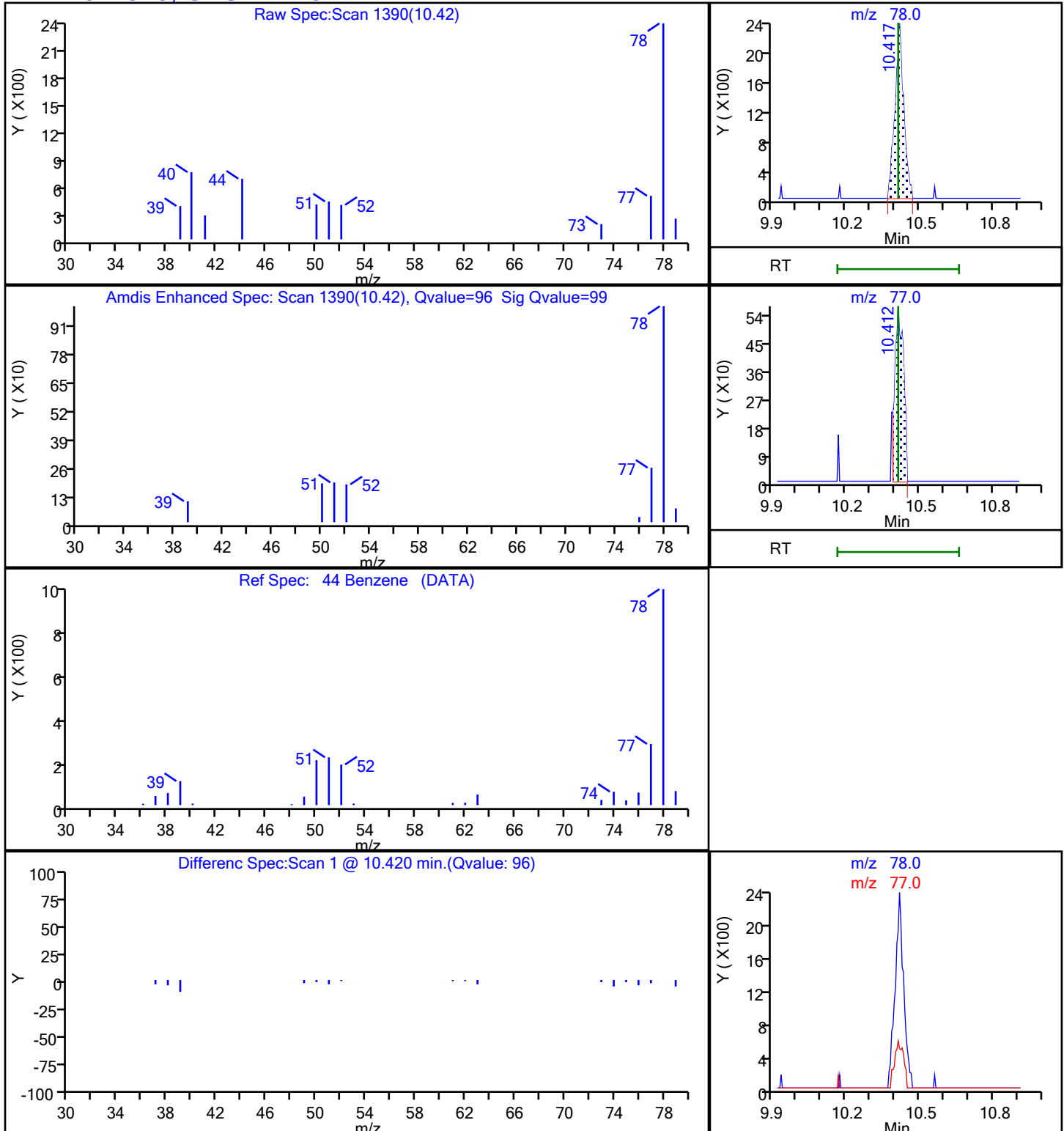
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

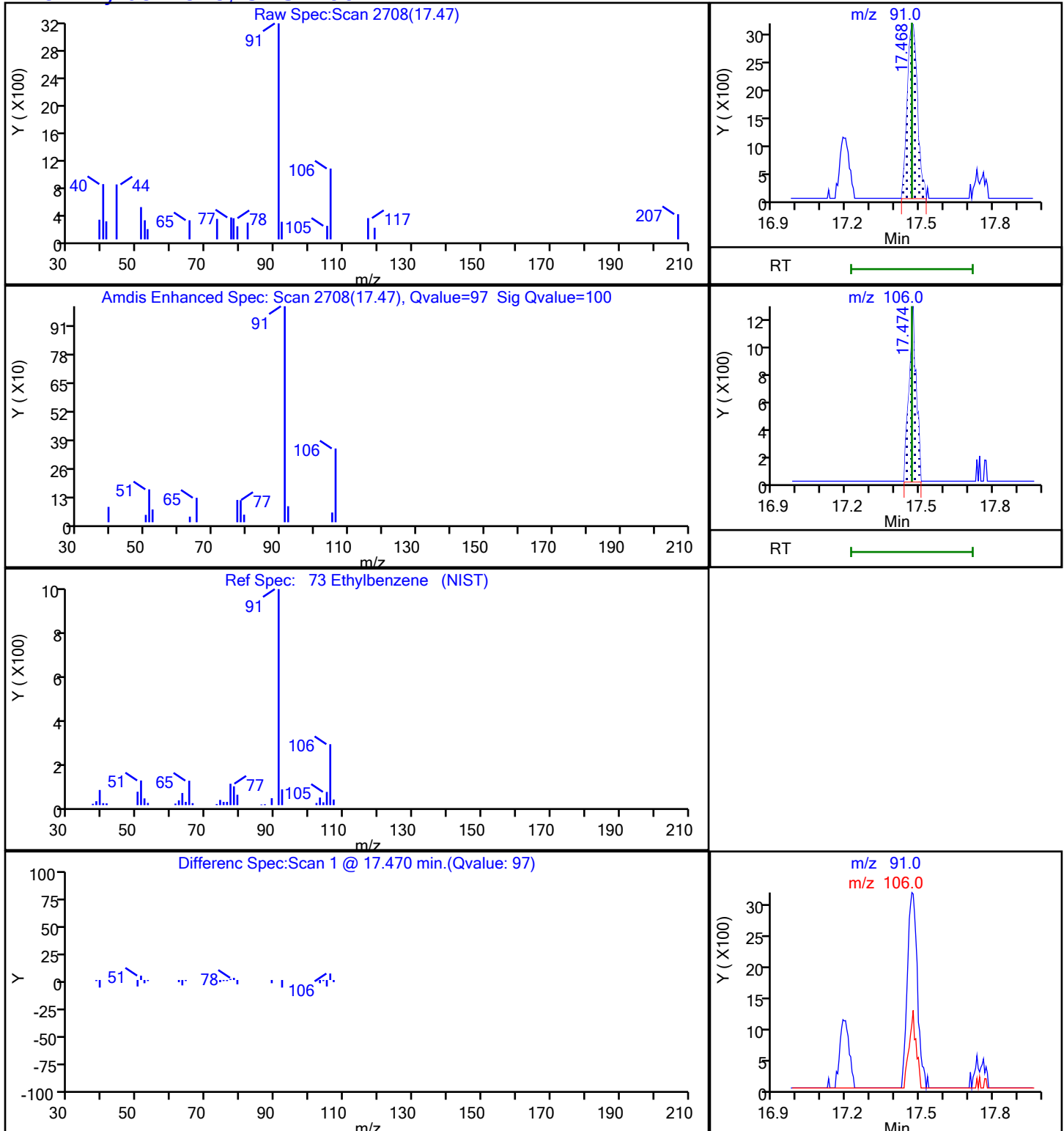
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

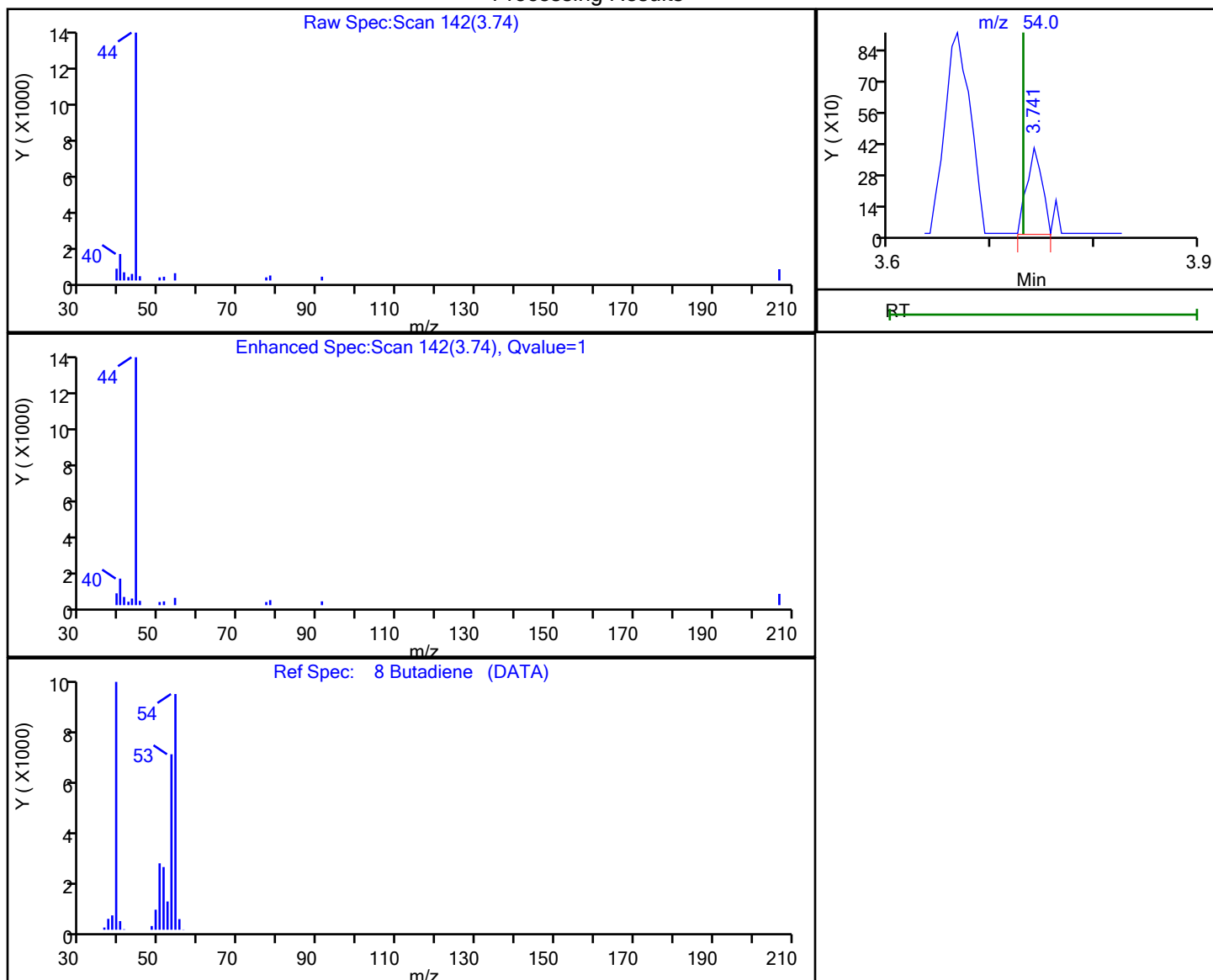
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
3.74	54.00	400	0.020442

Reviewer: BKZ7, 21-Mar-2023 08:32:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

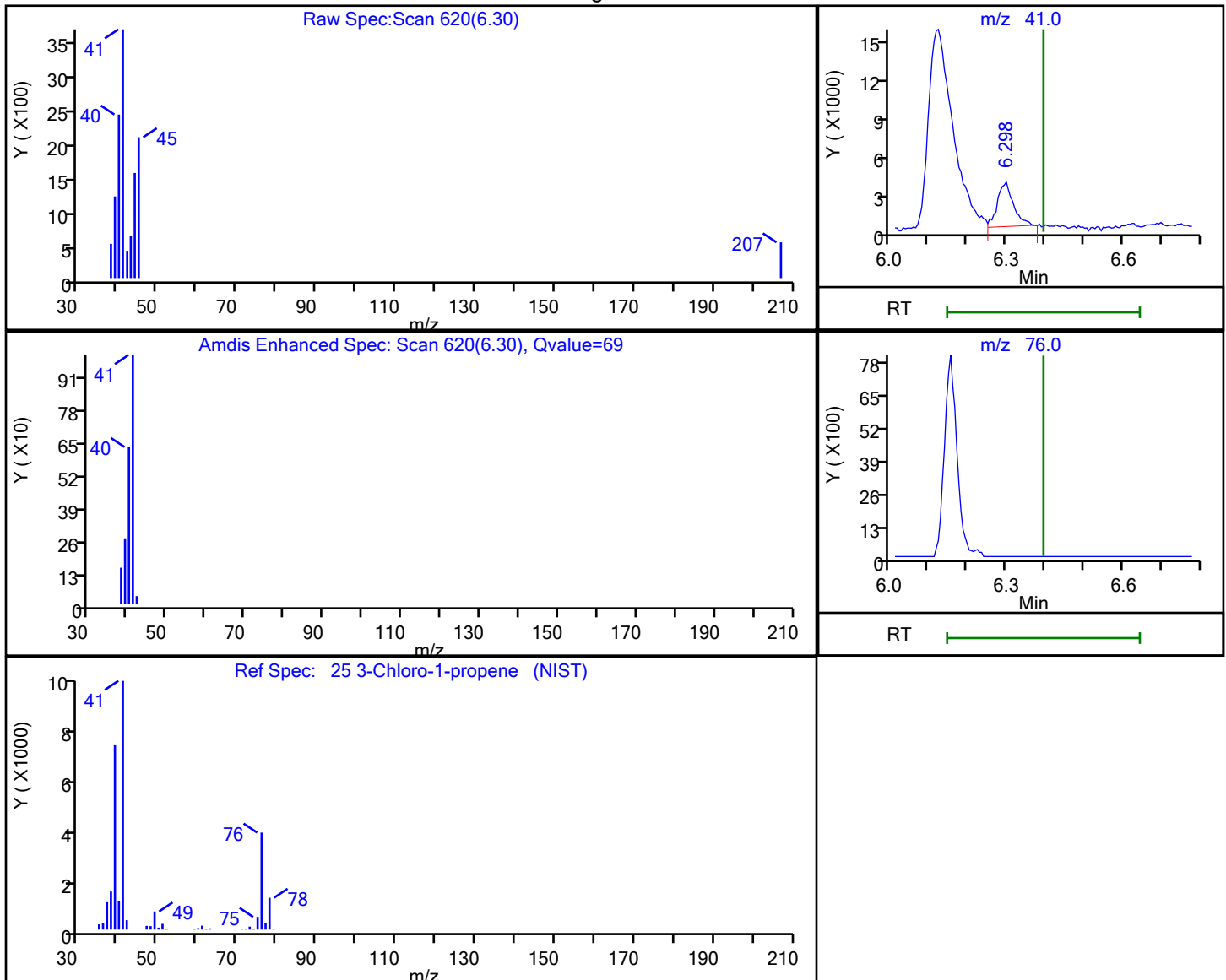
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.30	41.00	9535	0.270370
6.39	76.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:32:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

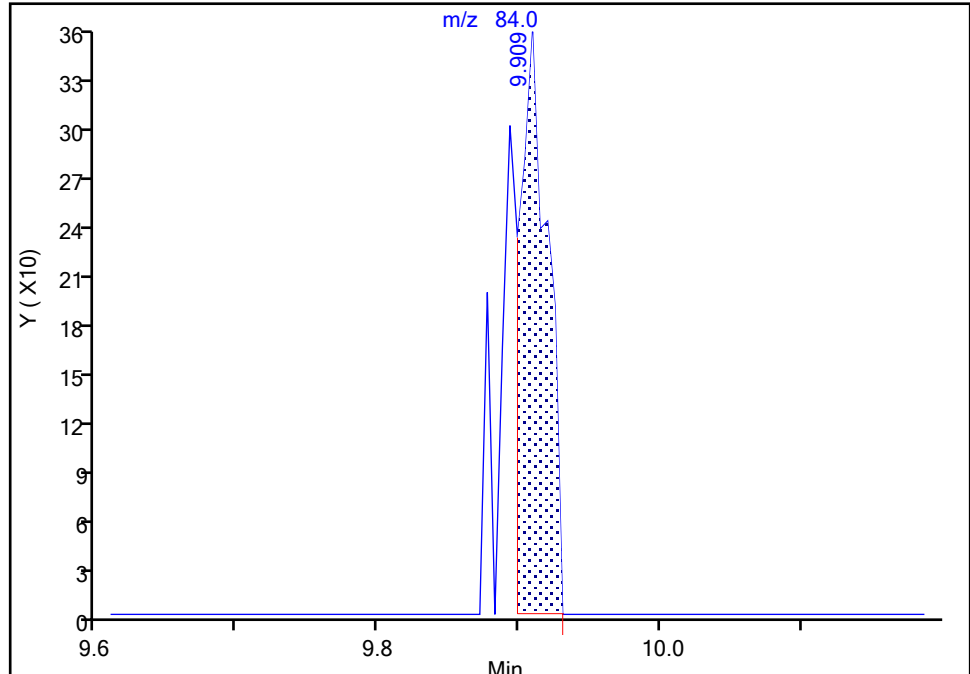
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D		
Injection Date:	20-Mar-2023 17:53:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-5	Lab Sample ID:	200-67137-5
Client ID:	CLEANER-3		
Operator ID:	vtp	ALS Bottle#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	13

41 Cyclohexane, CAS: 110-82-7

Signal: 1

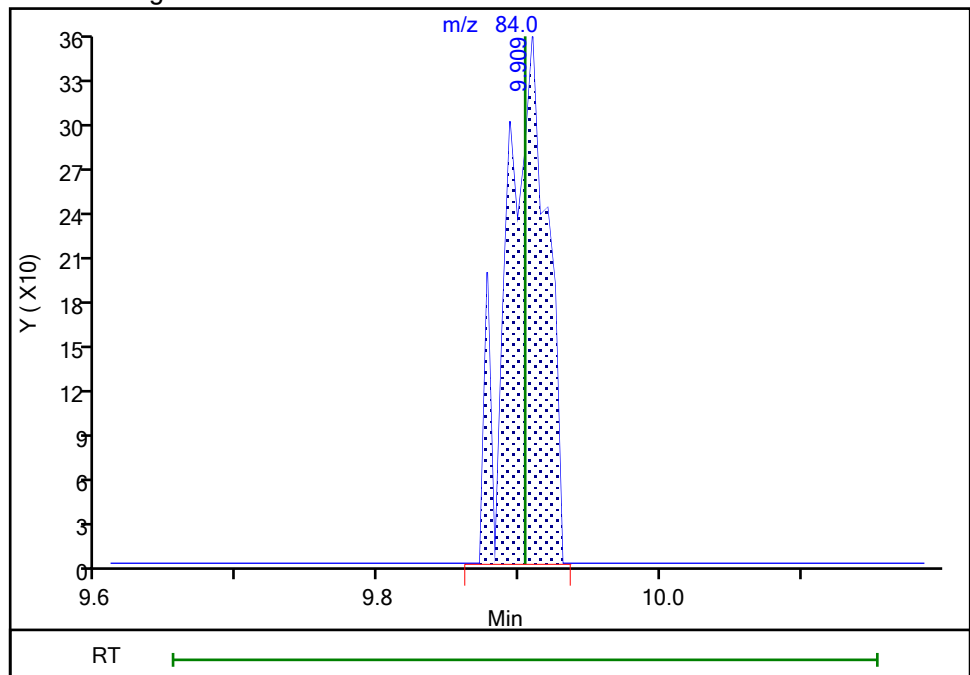
RT: 9.91
Area: 496
Amount: 0.011467
Amount Units: ppb v/v

Processing Integration Results



RT: 9.91
Area: 710
Amount: 0.016414
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:32:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

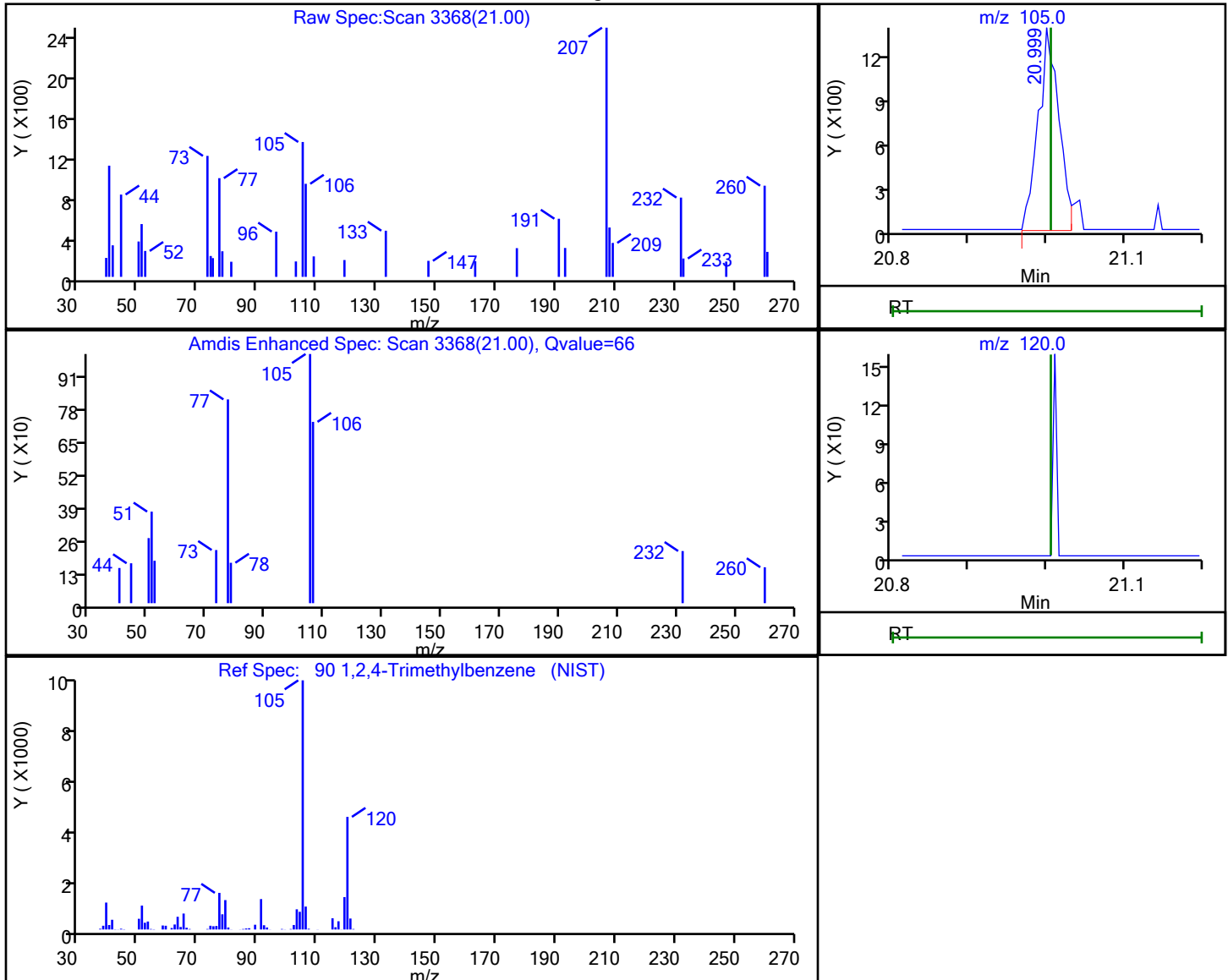
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
21.00	105.00	2464	0.020235
21.00	120.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:32:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

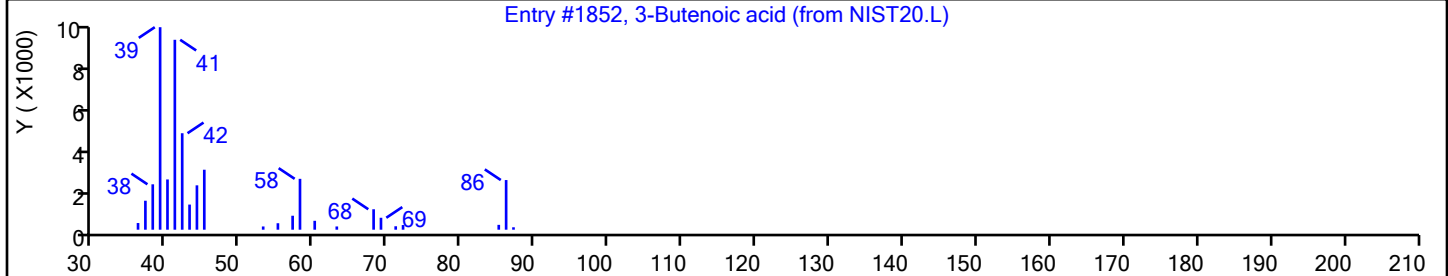
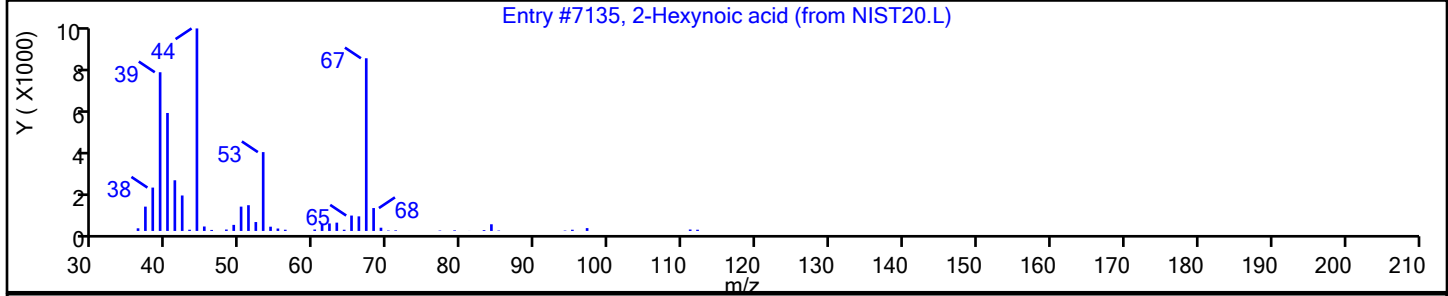
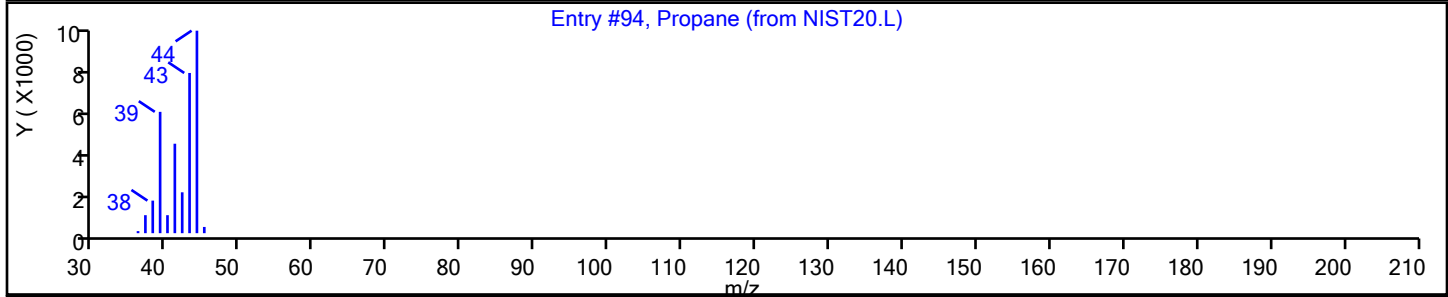
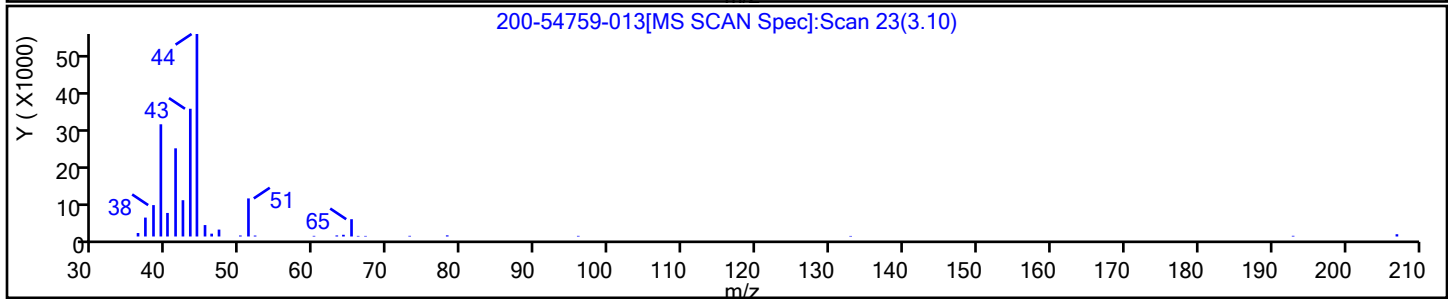
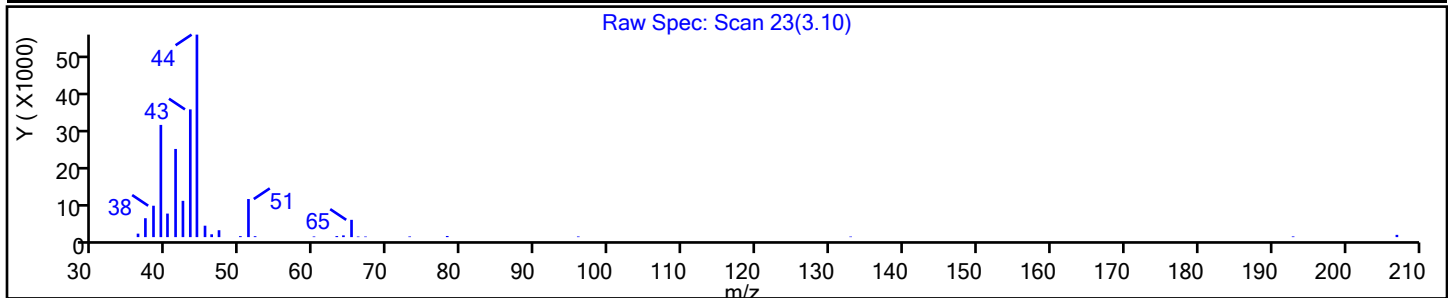
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Unknown						
Propane	74-98-6	NIST20.L	94	C3H8	44	72
2-Hexynoic acid	764-33-0	NIST20.L	7135	C6H8O2	112	56
3-Butenoic acid	625-38-7	NIST20.L	1852	C4H6O2	86	38



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-013.D

Injection Date: 20-Mar-2023 17:53:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-5

Lab Sample ID: 200-67137-5

Client ID: CLEANER-3

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

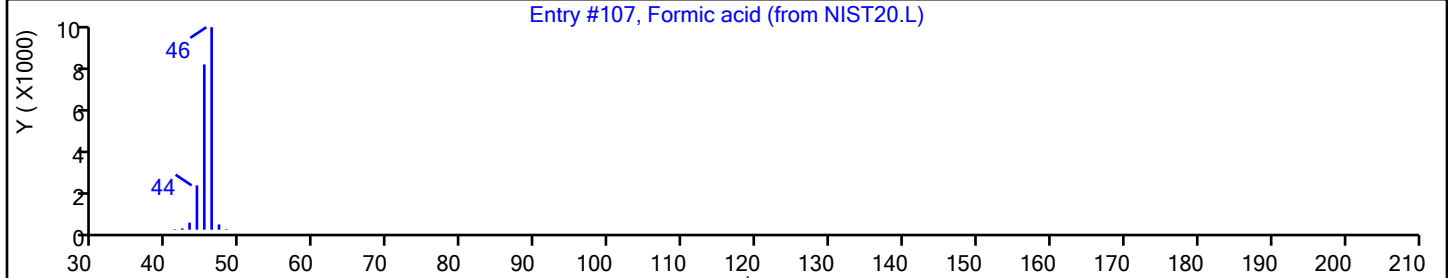
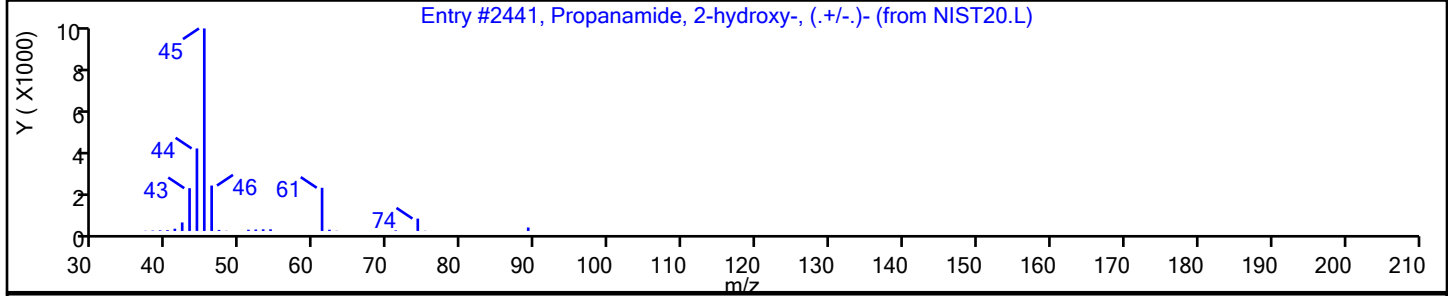
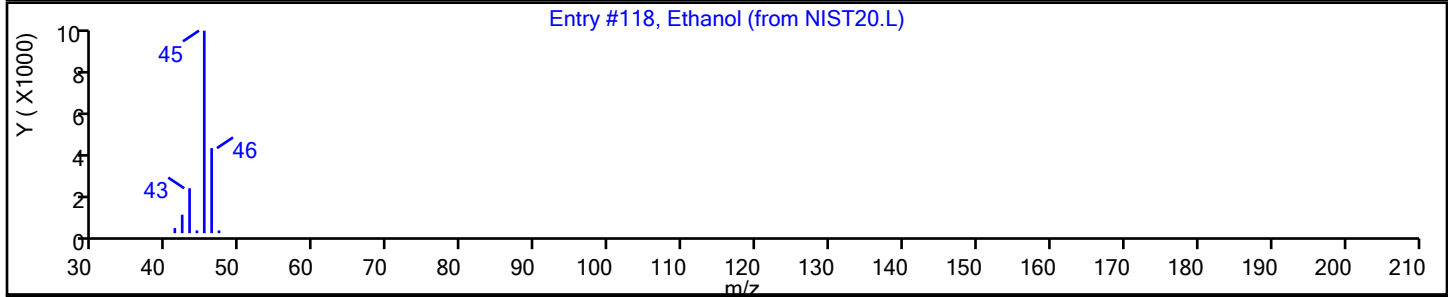
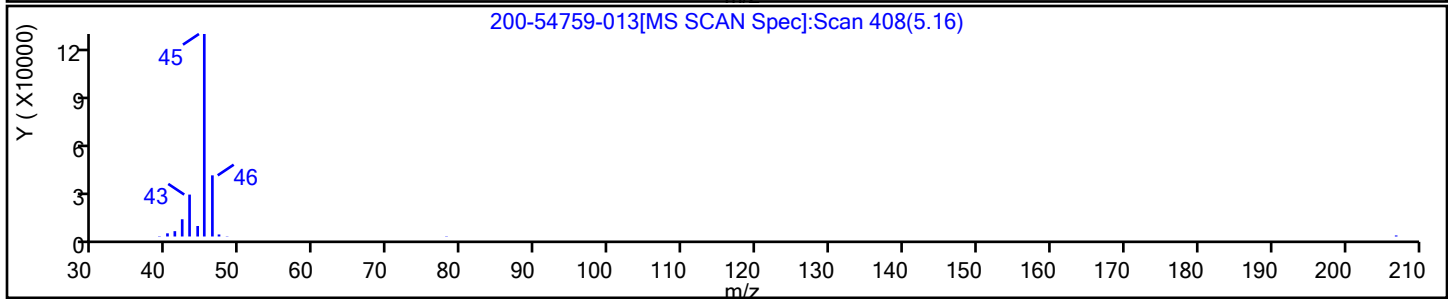
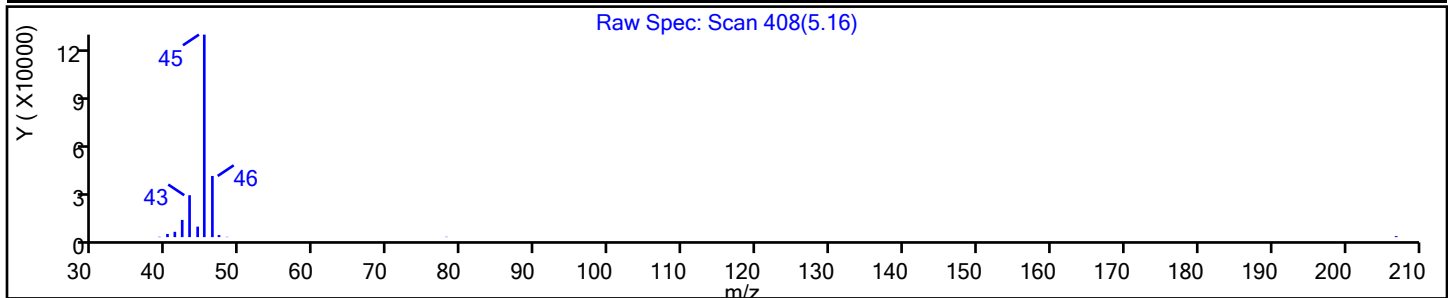
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Unknown						
Ethanol	64-17-5	NIST20.L	118	C2H6O	46	64
Propanamide, 2-hydroxy-, (.+/-)-	998452-75-8	NIST20.L	2441	C3H7NO2	89	9
Formic acid	64-18-6	NIST20.L	107	CH2O2	46	5



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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>AMBIENT</u>	Lab Sample ID: <u>200-67137-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-014.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 15:49</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 18:45</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>189486</u>	Units: <u>ppb v/v</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	Freon 22	86.47	0.41	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	0.54		0.50	0.15
106-97-8	n-Butane	58.12	1.7		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	Freon TF	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.026
67-64-1	Acetone	58.08	9.5		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	2.6		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	0.20	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	0.13	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	72.11	6.9		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.044		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.066	J	0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: AMBIENT Lab Sample ID: 200-67137-6
 Matrix: Air Lab File ID: 200-54759-014.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 15:49
 Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 18:45
 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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.31		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	0.35		0.20	0.055
79-01-6	Trichloroethene	131.39	0.035	U	0.035	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	1.3
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	methyl isobutyl ketone	100.16	0.20	J	0.50	0.13
108-88-3	Toluene	92.14	0.77		0.20	0.042
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	0.33	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	0.81		0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.92		0.50	0.095
95-47-6	Xylene, o-	106.17	0.51		0.20	0.052
1330-20-7	Xylene (total)	106.17	1.4		0.70	0.052
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	0.13	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.15	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.26		0.20	0.047
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	0.84		0.20	0.080

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: AMBIENT Lab Sample ID: 200-67137-6
Matrix: Air Lab File ID: 200-54759-014.D
Analysis Method: TO-15 Date Collected: 03/02/2023 15:49
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 18:45
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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	4.9		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	0.22		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	28		0.50	0.30
87-61-6	1,2,3-Trichlorobenzene	181.40	0.50	U	0.50	0.32

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>AMBIENT</u>	Lab Sample ID: <u>200-67137-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-014.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 15:49</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 18:45</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>189486</u>	Units: <u>ug/m3</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	Freon 22	86.47	1.5	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	4.0		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	0.98	J	1.1	0.28
76-13-1	Freon TF	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.10
67-64-1	Acetone	58.08	23		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	8.2		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	0.69	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	0.47	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	72.11	20		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.28		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.31	J	0.93	0.18

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: AMBIENT Lab Sample ID: 200-67137-6

Matrix: Air Lab File ID: 200-54759-014.D

Analysis Method: TO-15 Date Collected: 03/02/2023 15:49

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 18:45

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.0		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	1.4		0.82	0.23
79-01-6	Trichloroethene	131.39	0.19	U	0.19	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	4.7
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	methyl isobutyl ketone	100.16	0.83	J	2.0	0.53
108-88-3	Toluene	92.14	2.9		0.75	0.16
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	1.4	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	3.5		0.87	0.23
179601-23-1	m,p-Xylene	106.17	4.0		2.2	0.41
95-47-6	Xylene, o-	106.17	2.2		0.87	0.23
1330-20-7	Xylene (total)	106.17	6.2		3.0	0.23
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	0.65	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.75	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	1.3		0.98	0.23
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	4.1		0.98	0.39

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: AMBIENT Lab Sample ID: 200-67137-6
Matrix: Air Lab File ID: 200-54759-014.D
Analysis Method: TO-15 Date Collected: 03/02/2023 15:49
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 18:45
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	27		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	1.3		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	150		2.6	1.6
87-61-6	1,2,3-Trichlorobenzene	181.40	3.7	U	3.7	2.4

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>AMBIENT</u>	Lab Sample ID: <u>200-67137-6</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-014.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 15:49</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 18:45</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>10</u>	TIC Result Total: <u>64.9</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	8.57	1.7	J	
1066-40-6	Silanol, trimethyl-	8.69	1.8	J N	90%
541-05-9	Cyclotrisiloxane, hexamethyl-	15.11	3.3	J N	91%
500-00-5	Cyclohexene, 4-methyl-1-(1-methylethyl)-	20.46	1.0	J N	95%
873-94-9	Cyclohexanone, 3,3,5-trimethyl-	22.42	1.8	J N	92%
7787-20-4	L-Fenchone	23.13	27	J N	95%
	Unknown	23.24	1.4	J	
464-48-2	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S)-	24.38	23	J N	98%
18358-53-7	Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-	24.53	2.2	J N	96%
91-57-6	Naphthalene, 2-methyl-	27.39	1.7	J N	96%

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D
 Lims ID: 200-67137-A-6
 Client ID: AMBIENT
 Sample Type: Client
 Inject. Date: 20-Mar-2023 18:45:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-014
 Misc. Info.: 67137-6
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:35:36 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: BKZ7

Date: 21-Mar-2023 08:35:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	99	37399	0.4305	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	97	20626	0.4110	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50	3.463	3.458	0.005	99	14944	0.5352	
6 Vinyl chloride	62		3.656				ND	
7 Butane	43	3.666	3.661	0.005	98	57922	1.67	
8 Butadiene	54	3.741	3.733	0.011	82	602	0.0318	
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101	4.875	4.870	0.005	96	11370	0.1736	
18 1,1-Dichloroethene	96		5.763				ND	7
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.790	5.799	-0.005	89	3162	0.0520	
19 Acetone	43	5.844	5.827	0.017	99	353709	9.51	
22 Isopropyl alcohol	45	6.132	6.084	0.048	99	48993	1.08	
23 Carbon disulfide	76	6.154	6.143	0.011	100	220765	2.62	
25 3-Chloro-1-propene	41		6.395				ND	7
26 Methylene Chloride	49	6.614	6.603	0.011	98	7101	0.1972	
27 2-Methyl-2-propanol	59	6.865	6.817	0.048	95	38778	0.7552	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	7
31 Hexane	57	7.604	7.604	0.000	85	5227	0.1335	
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.823	8.807	0.016	99	85435	6.92	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	96	280441	10.0	
38 Tetrahydrofuran	42	9.348	9.315	0.033	91	29685	1.02	
39 Chloroform	83	9.428	9.428	0.006	85	1613	0.0215	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84	9.915	9.915	0.011	87	1486	0.0369	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117	10.048	10.043	0.005	95	3206	0.0444	
44 Benzene	78	10.418	10.412	0.006	97	32806	0.3143	
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57	10.669	10.669	0.000	98	11586	0.0656	
47 n-Heptane	43	11.017	11.017	0.000	77	25139	0.3496	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	96	1461381	10.0	
50 Trichloroethene	95		11.712				ND	7
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88	12.434	12.392	0.042	69	3903	0.1754	
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43	13.954	13.943	0.011	96	18844	0.2019	
60 Toluene	92	14.334	14.333	0.006	94	55876	0.7720	
65 trans-1,3-Dichloropropene	75		14.778				ND	MU
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166		15.398				ND	MU
68 2-Hexanone	43	15.660	15.660	0.005	92	29238	0.3326	
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.190	17.190	0.000	90	1331268	10.0	
72 Chlorobenzene	112	17.254	17.254	0.000	76	1432	0.0149	
73 Ethylbenzene	91	17.474	17.474	0.006	99	126859	0.8074	
74 m-Xylene & p-Xylene	106	17.741	17.752	-0.011	0	49597	0.9234	
76 o-Xylene	106	18.560	18.576	0.000	98	28339	0.5071	
77 Styrene	104		18.597				ND	MU
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	MU
S 82 Xylenes, Total	106				0		1.43	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91	20.101	20.095	0.005	98	24326	0.1331	
84 2-Chlorotoluene	91		20.245				ND	MU
85 4-Ethyltoluene	105	20.309	20.309	0.000	98	21471	0.1527	
86 1,3,5-Trimethylbenzene	105	20.411	20.411	0.000	91	30308	0.2581	
89 tert-Butylbenzene	119		20.914				ND	
90 1,2,4-Trimethylbenzene	105	21.005	21.011	0.000	97	99399	0.8357	
91 sec-Butylbenzene	105		21.256				ND	MU
92 1,3-Dichlorobenzene	146		21.422				ND	
93 4-Isopropyltoluene	119	21.481	21.487	0.000	96	625133	4.94	
94 1,4-Dichlorobenzene	146	21.572	21.578	0.000	90	18838	0.2231	
95 Benzyl chloride	91		21.721				ND	
97 n-Butylbenzene	91		22.048				ND	MU
96 1,2-Dichlorobenzene	146		22.069				ND	
100 1,2,4-Trichlorobenzene	180		24.519				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128	24.995	25.003	0.000	98	3631435	27.8	
103 1,2,3-Trichlorobenzene	180		25.402				ND	MU

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington
Tentatively Identified Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D
 Lims ID: 200-67137-A-6
 Client ID: AMBIENT
 Sample Type: Client
 Inject. Date: 20-Mar-2023 18:45:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-014
 Misc. Info.: 67137-6
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:35:36 Calib Date: 10-Mar-2023 19:06:30
 Tic RT Window: 0.000 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\chromfs\Burlington\Database\NIST20.L
 Min. Match: 1
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647
 First Level Reviewer: BKZ7 Date: 21-Mar-2023 08:35:36

Tentative Identified Compound Results

RT	Area	Amount ppb v/v	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
Unknown								
8.567	367185	1.74	37	0	0		0	
1066-40-6	Silanol, trimethyl-							
8.690	368545	1.75	37	90	2567	C3H10OSi	90	
541-05-9	Cyclotrisiloxane, hexamethyl-							
15.109	1408735	3.25	71	91	100746	C6H18O3Si3	222	
500-00-5	Cyclohexene, 4-methyl-1-(1-methylethyl)-							
20.459	449714	1.04	71	95	20295	C10H18	138	
873-94-9	Cyclohexanone, 3,3,5-trimethyl-							
22.422	791062	1.83	71	92	21407	C9H16O	140	
7787-20-4	L-Fenchone							
23.128	11852295	27.4	71	95	30063	C10H16O	152	
Unknown								
23.235	601623	1.39	71	0	0		0	
464-48-2	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S)-							
24.380	10075297	23.3	71	98	29966	C10H16O	152	
18358-53-7	Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-							
24.525	967352	2.23	71	96	30101	C10H16O	152	
91-57-6	Naphthalene, 2-methyl-							
27.387	747898	1.73	71	96	23120	C11H10	142	

Quantitation Compounds

Compound	RT	Area	Amount ppb v/v
* 37 Chlorobromomethane	9.241	2105741	10.0
* 71 Chlorobenzene-d5	17.190	4329679	10.0

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Worklist Smp#: 14

Client ID: AMBIENT

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

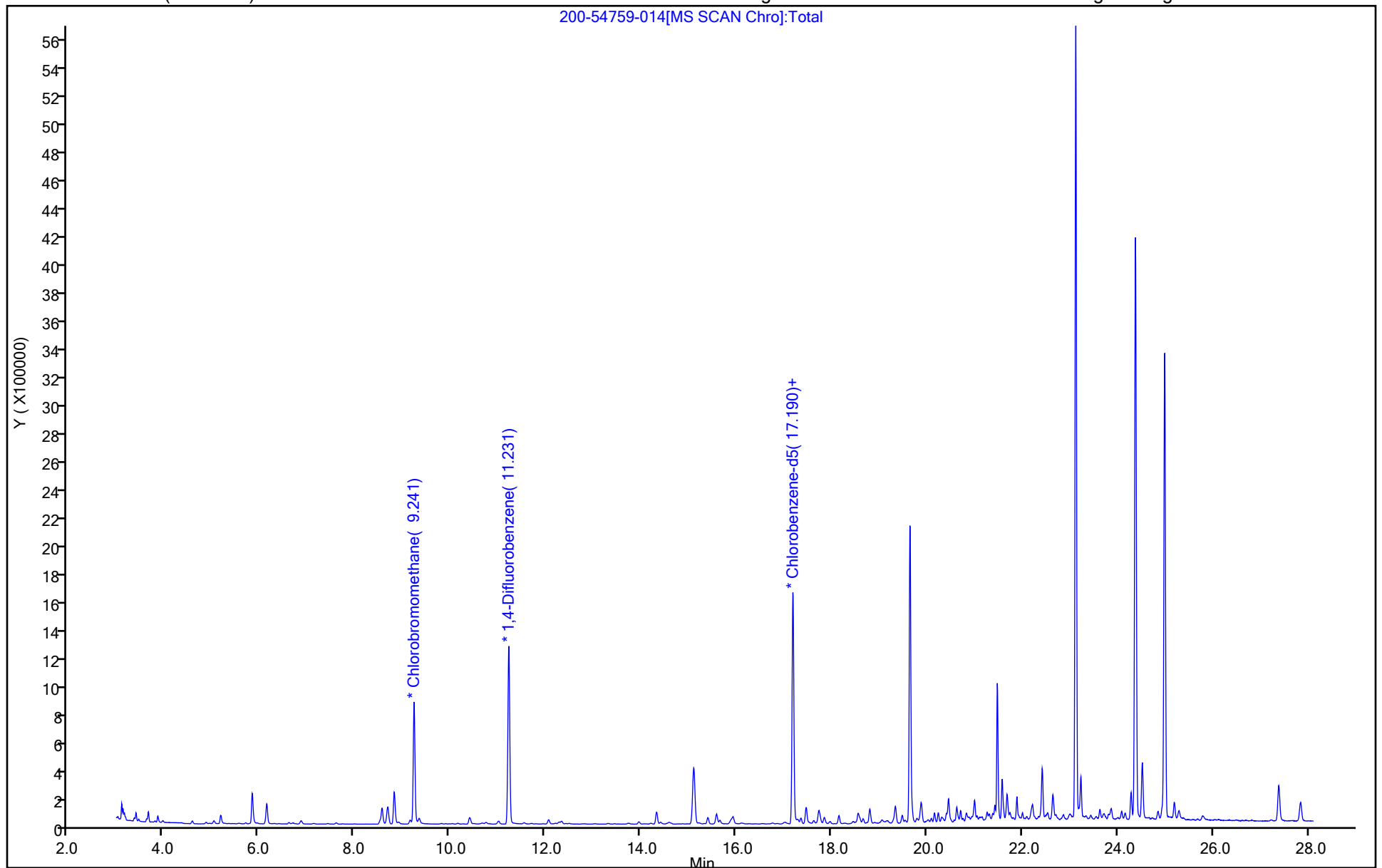
ALS Bottle#: 13

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

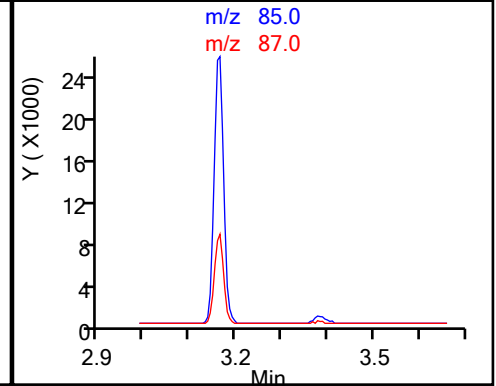
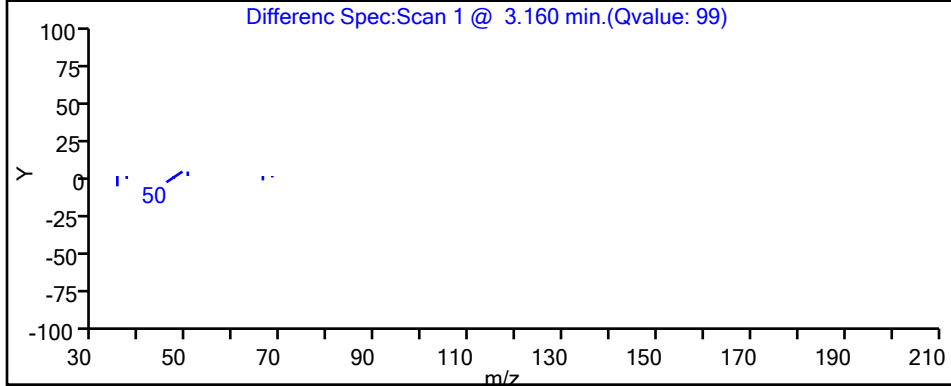
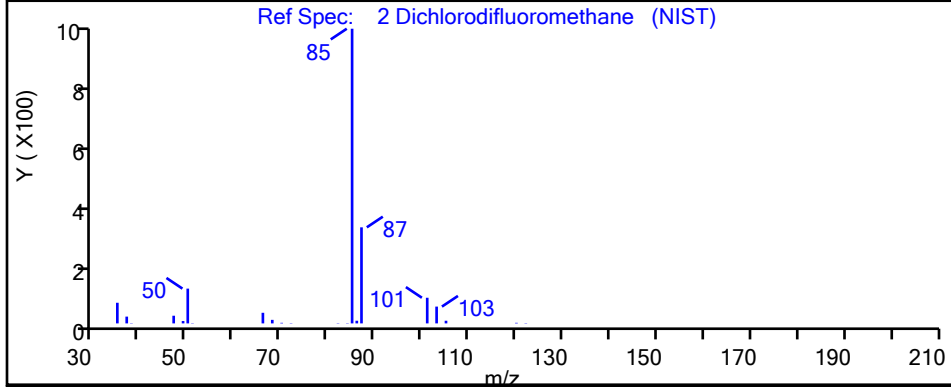
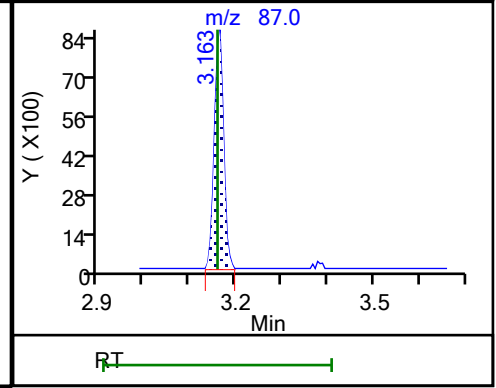
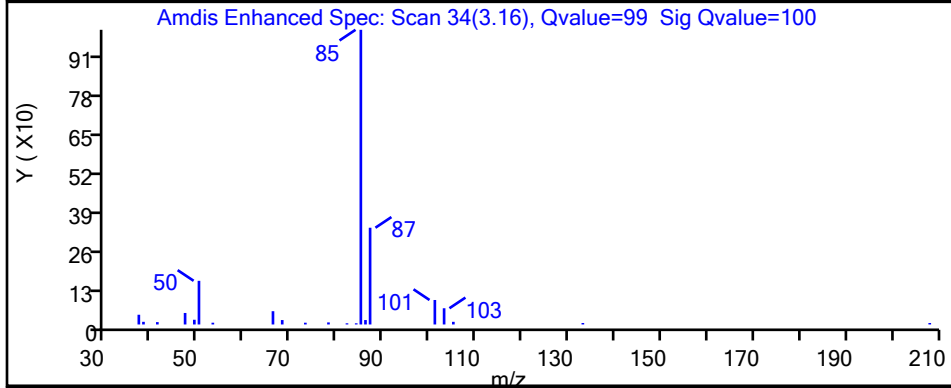
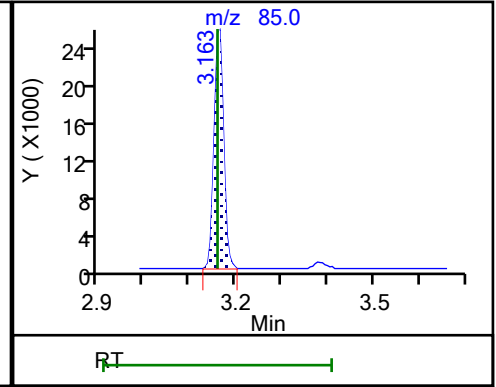
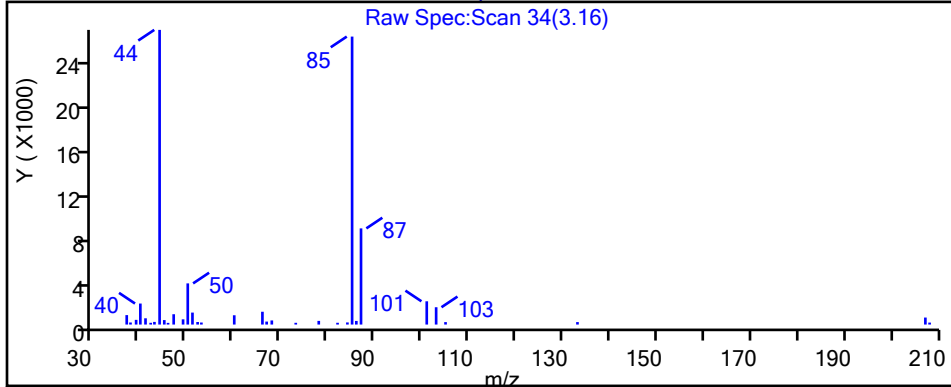
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

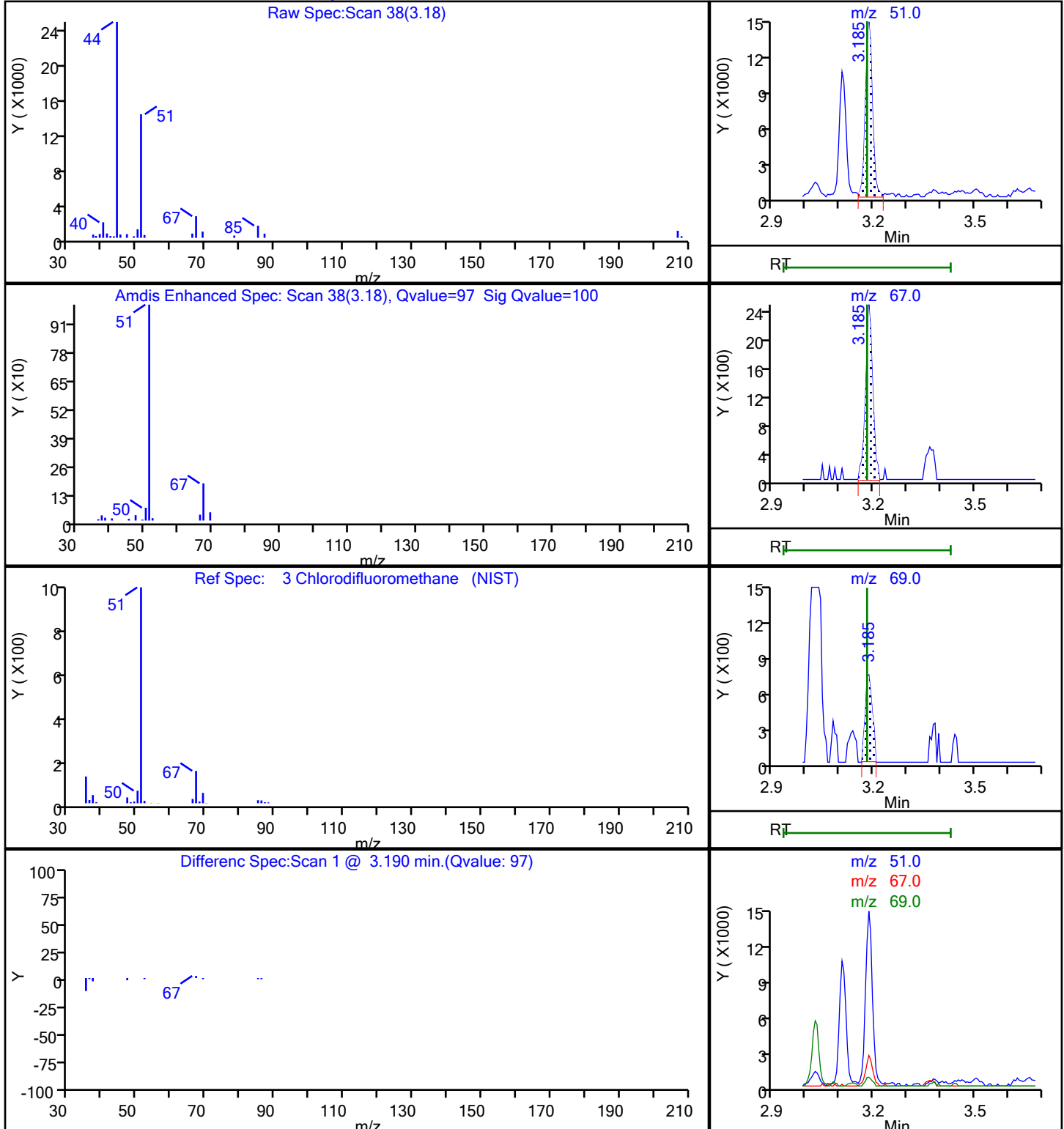
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

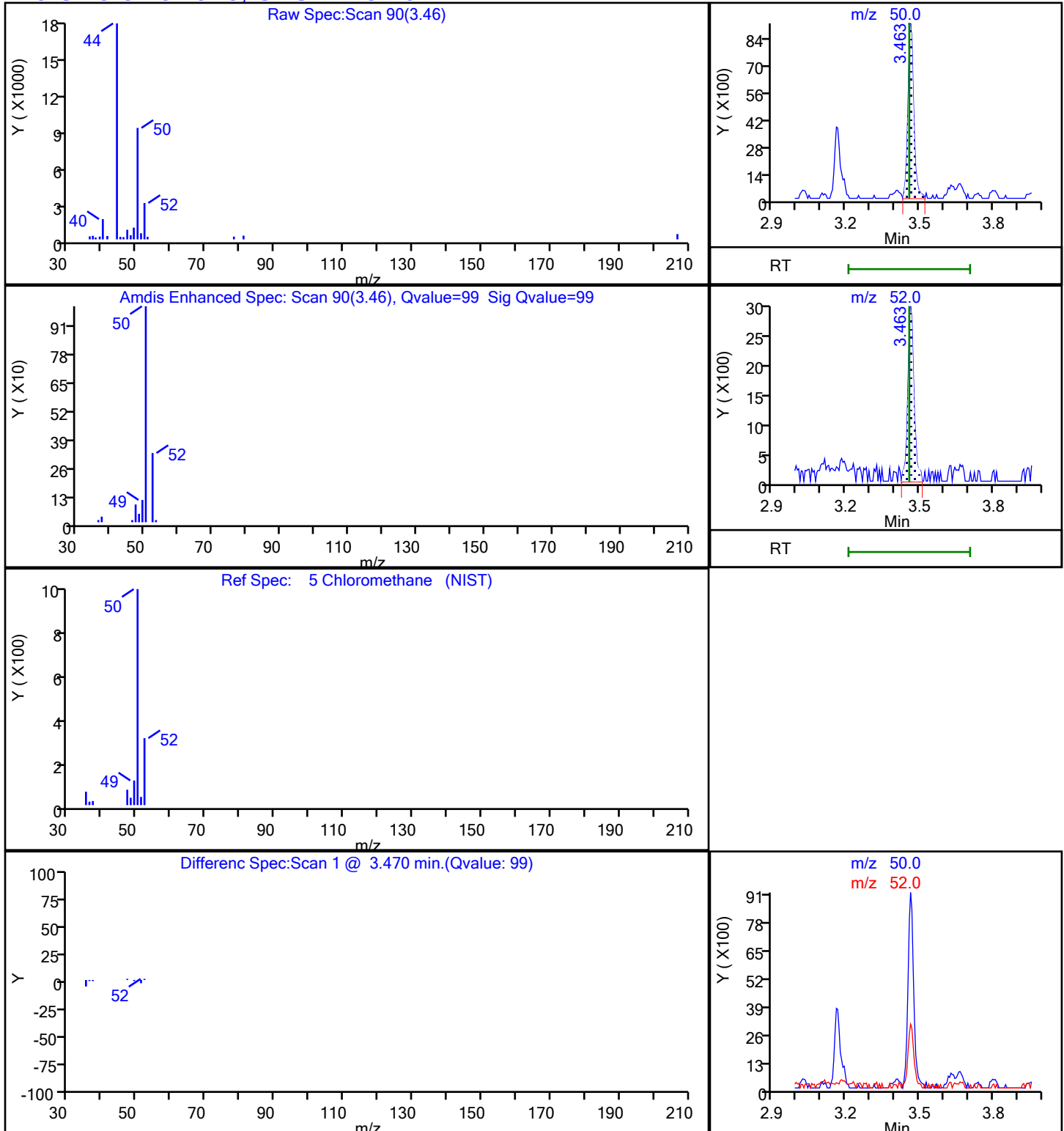
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

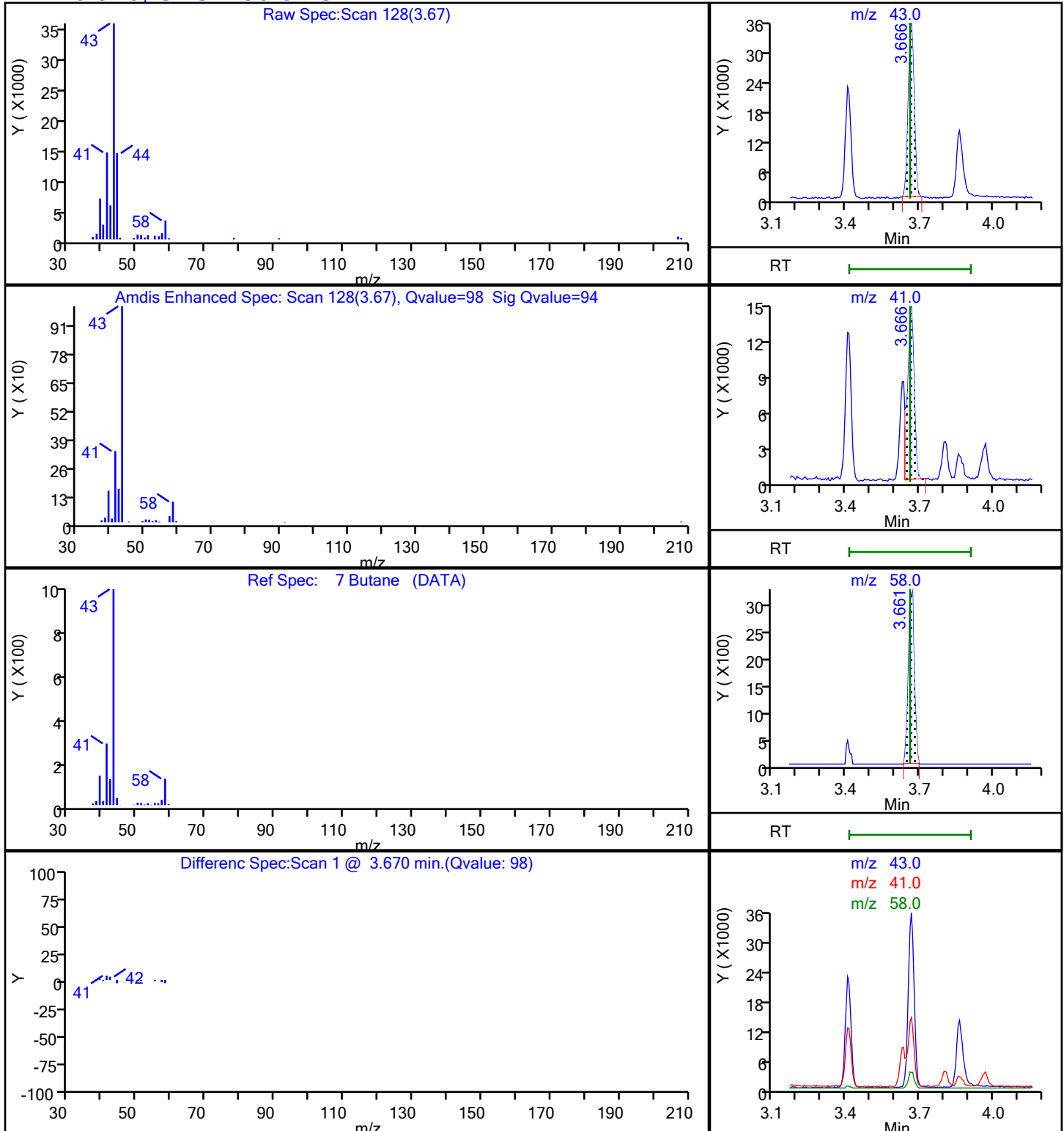
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

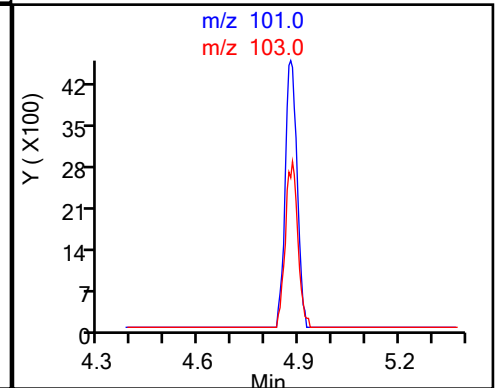
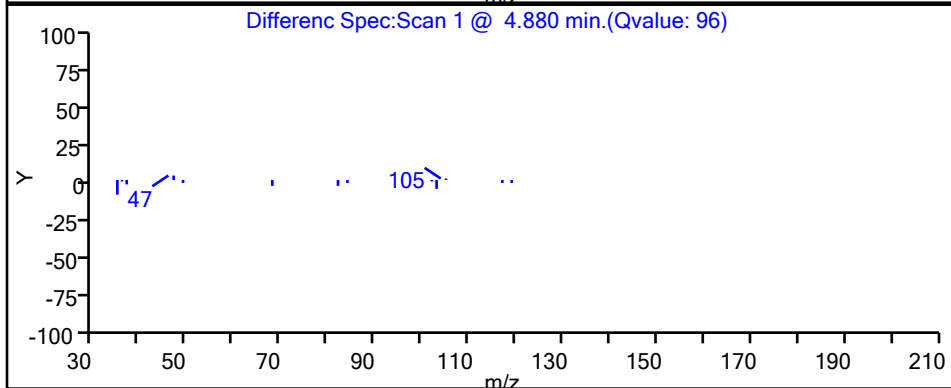
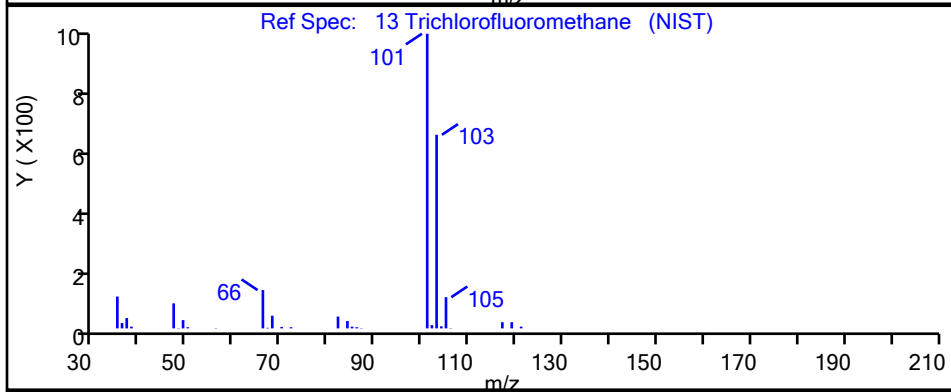
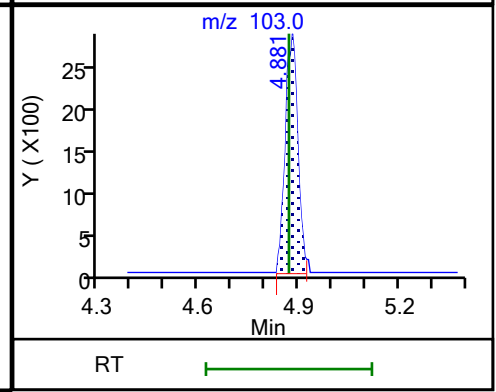
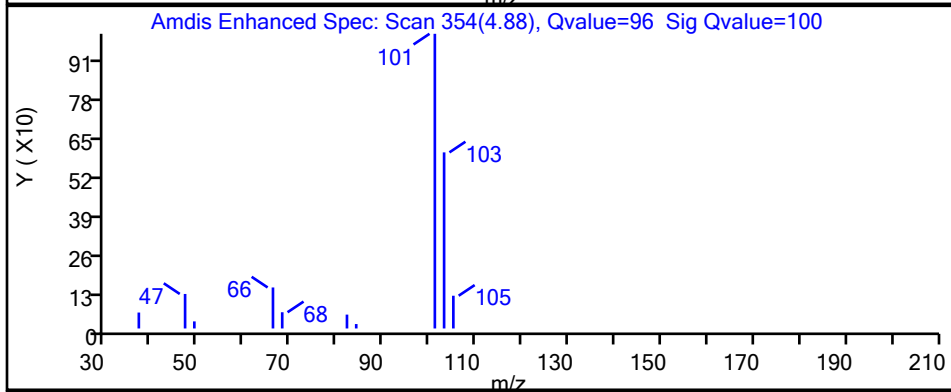
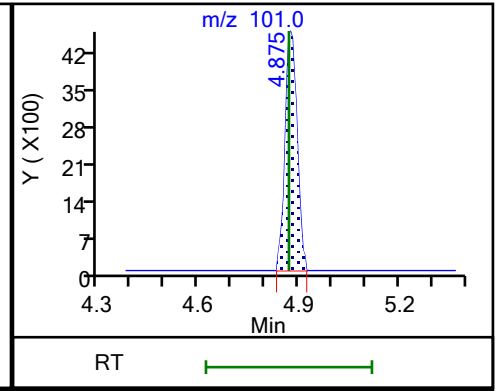
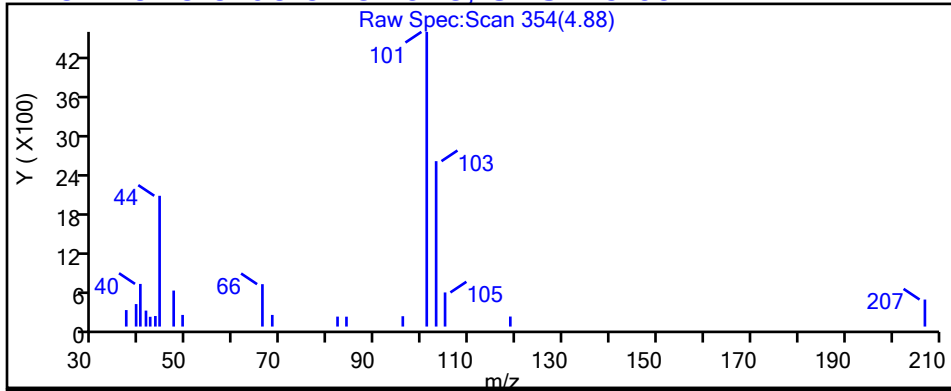
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

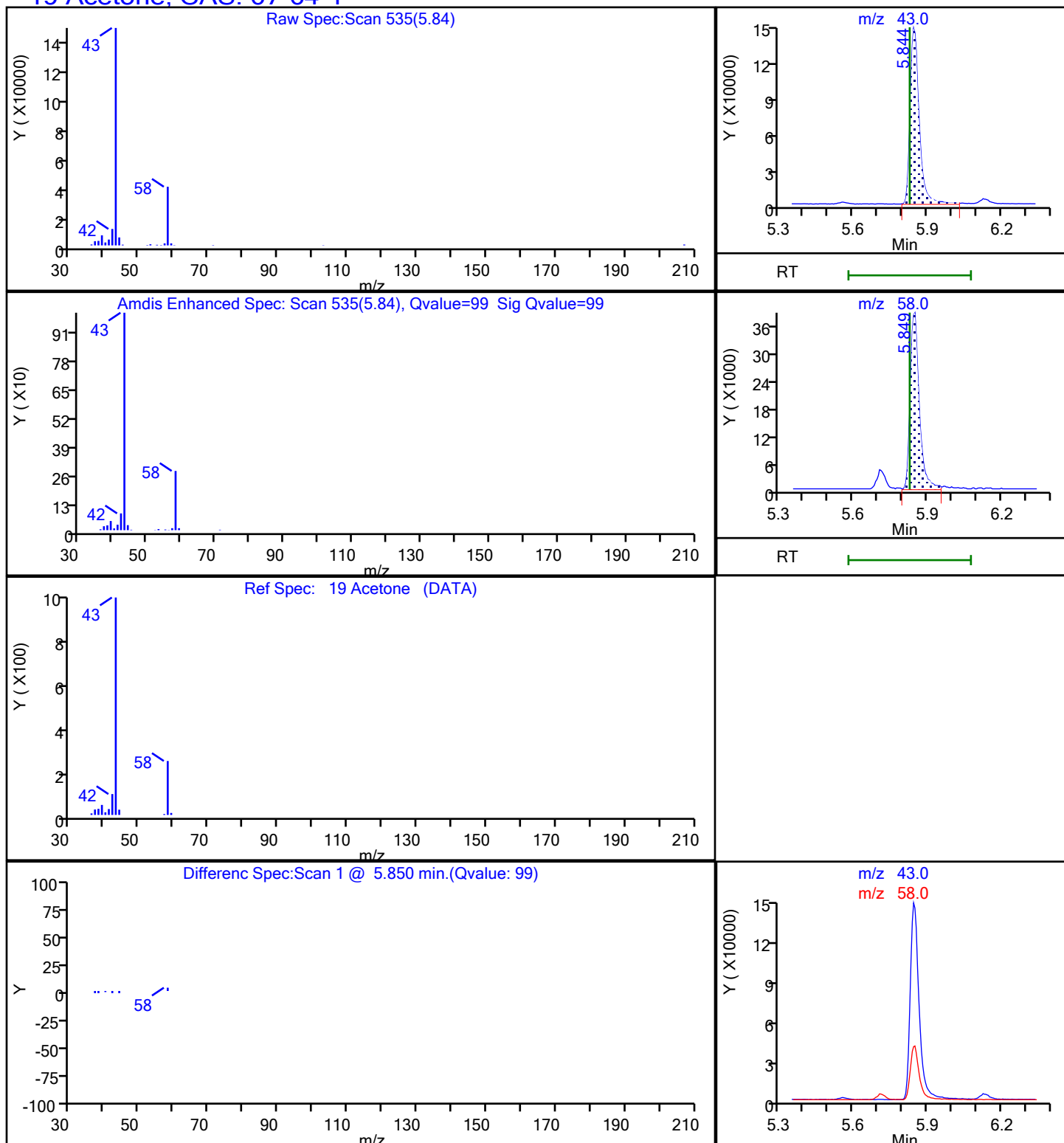
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

19 Acetone, CAS: 67-64-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

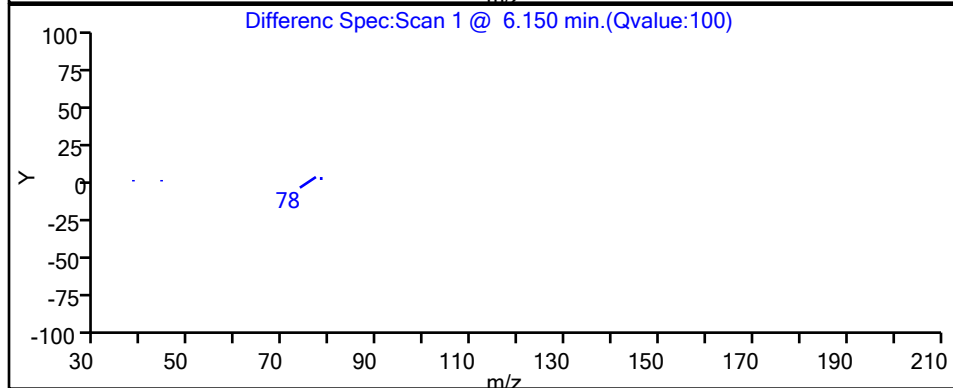
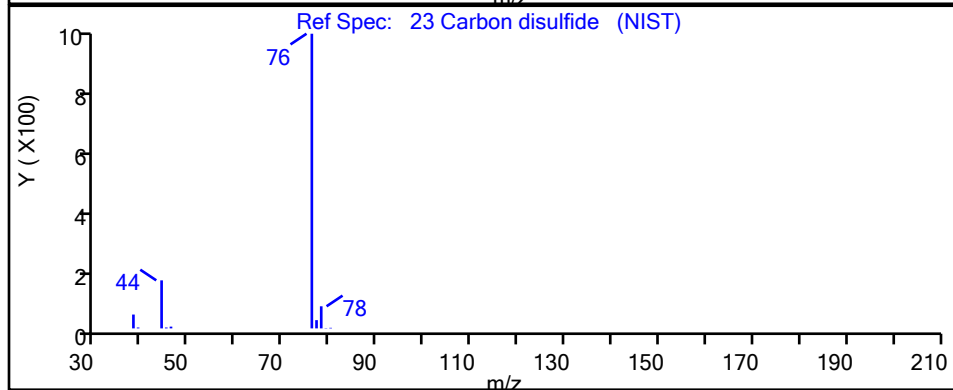
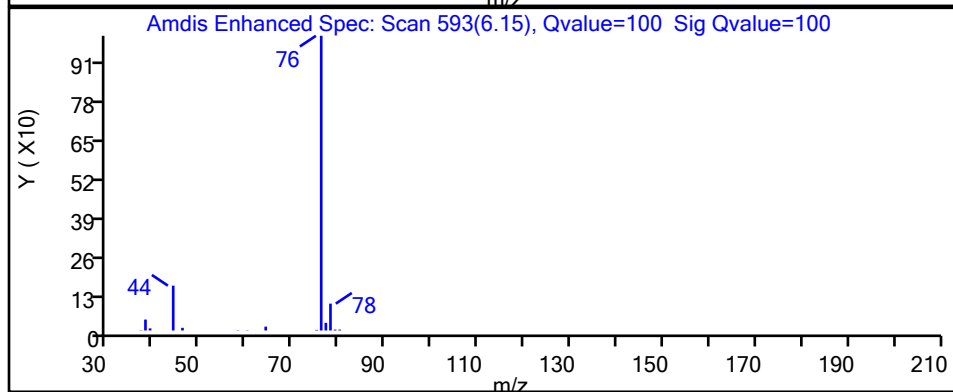
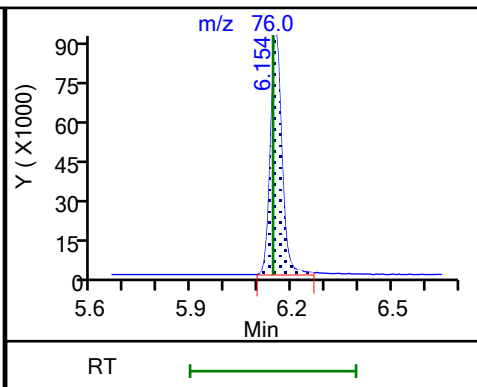
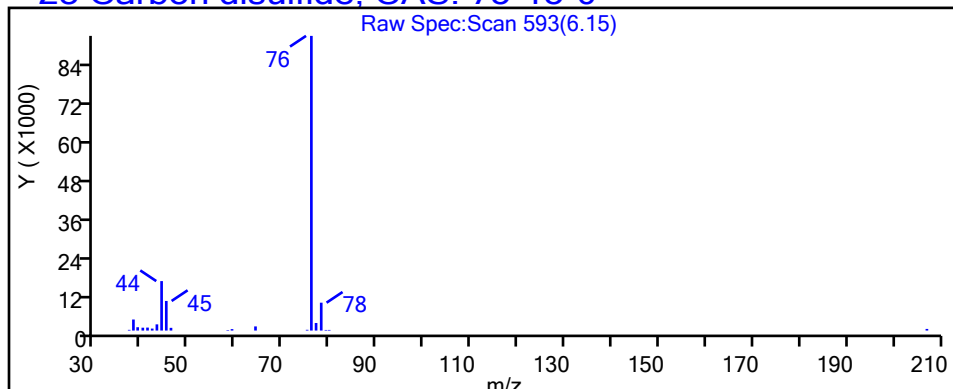
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

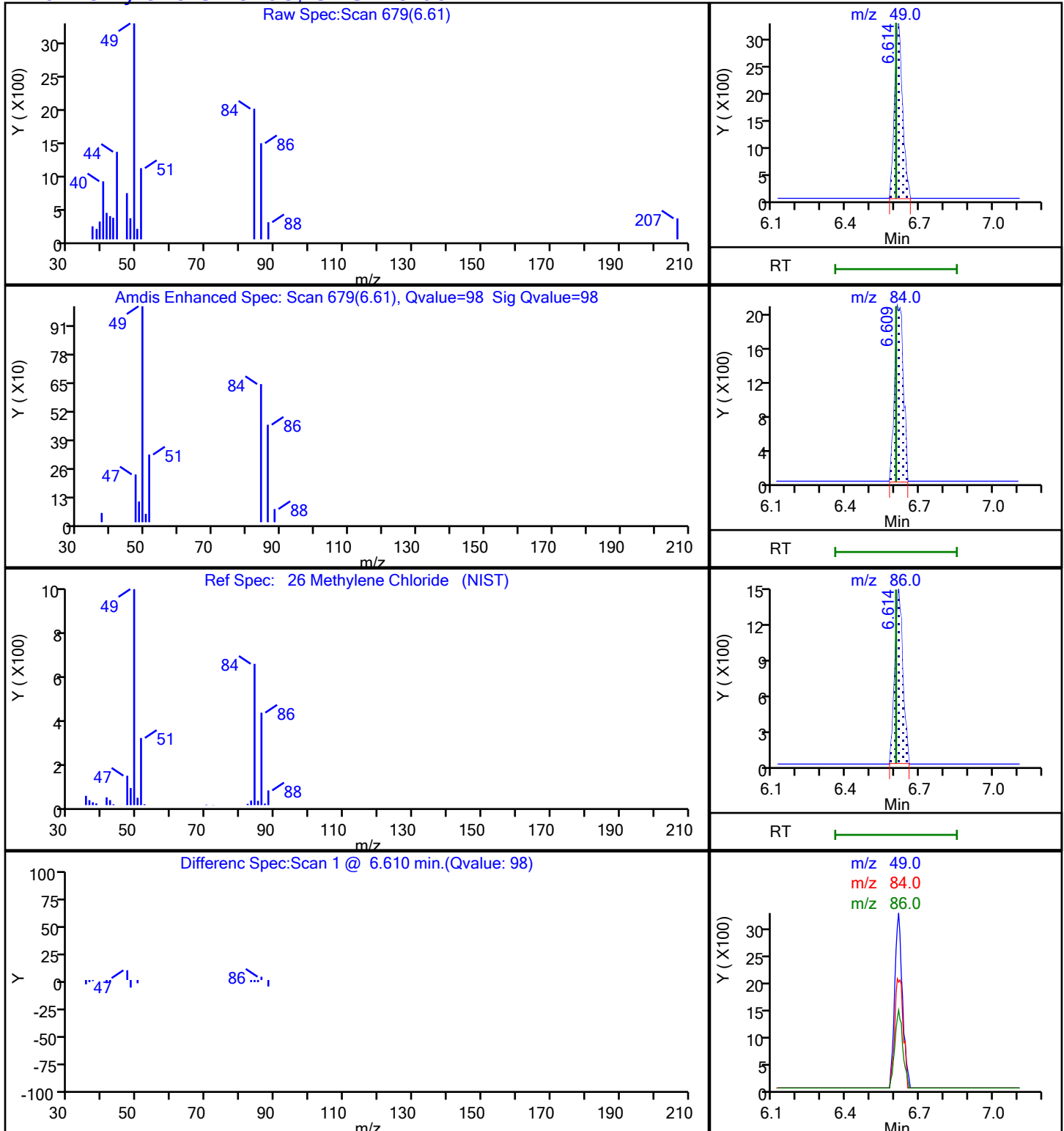
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

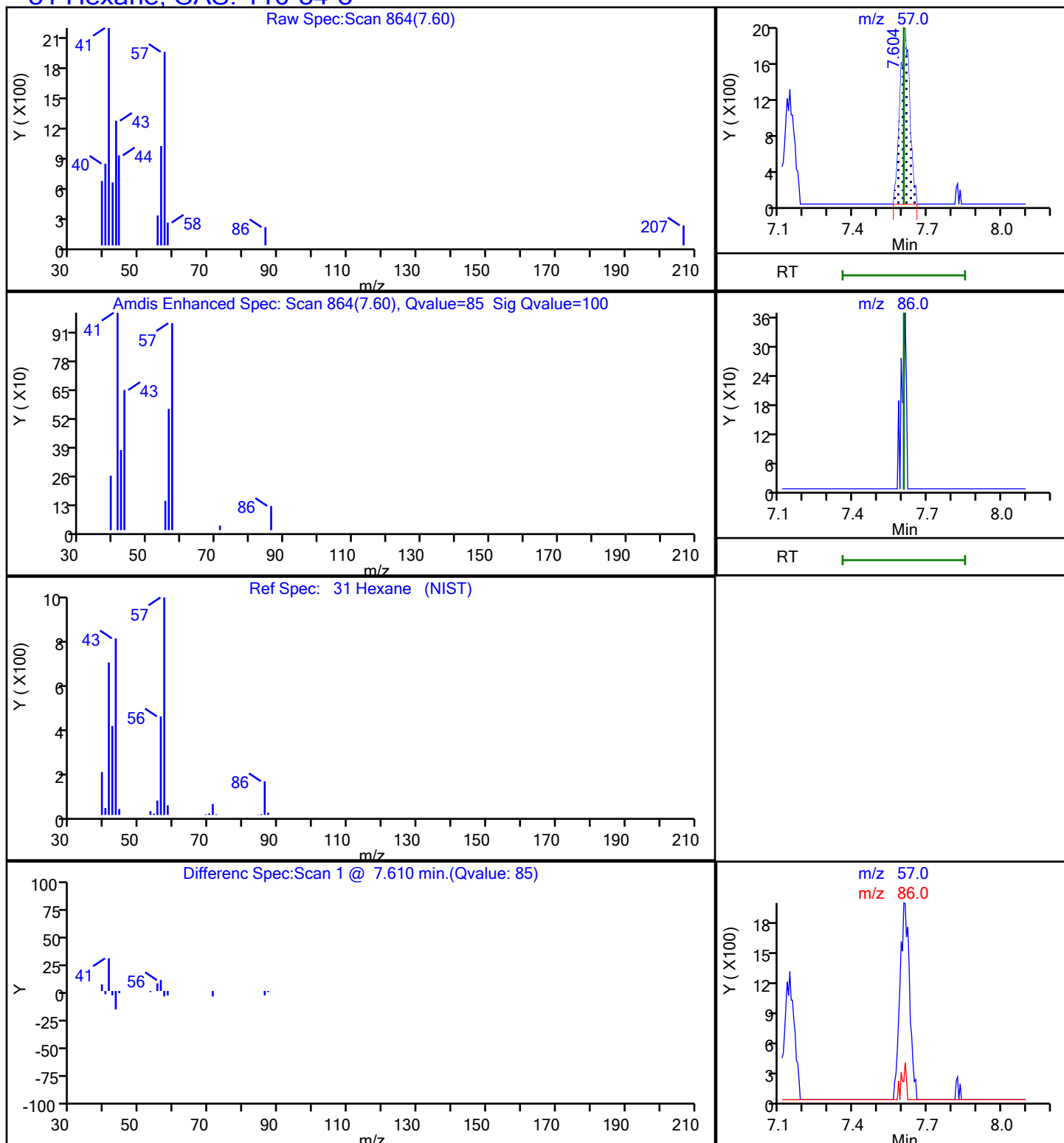
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

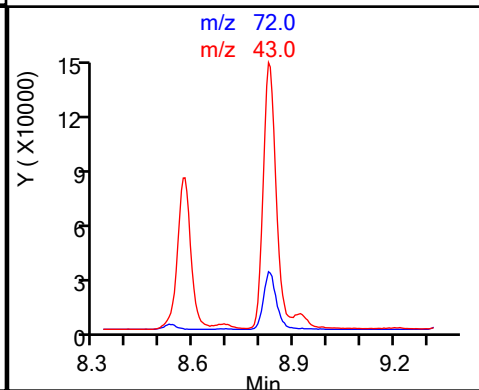
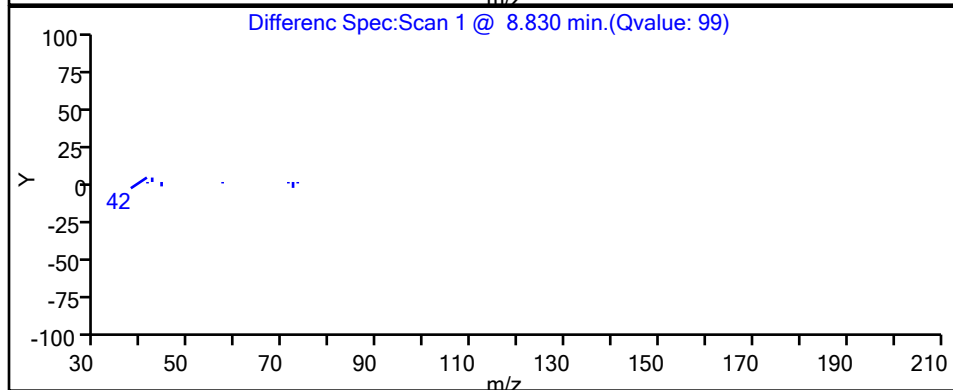
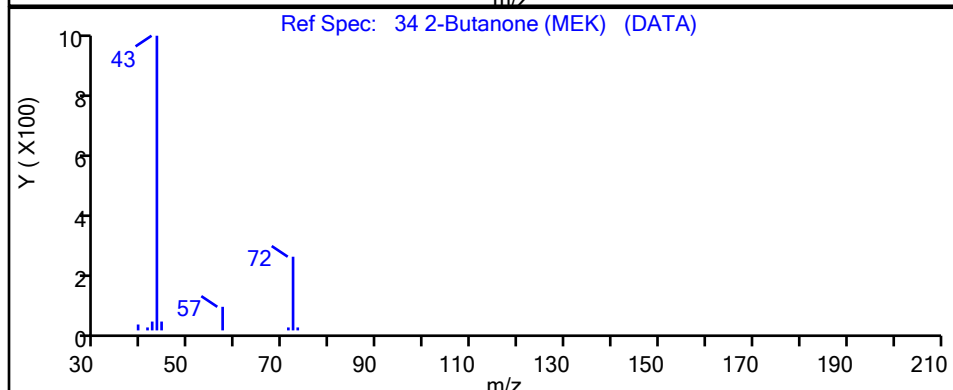
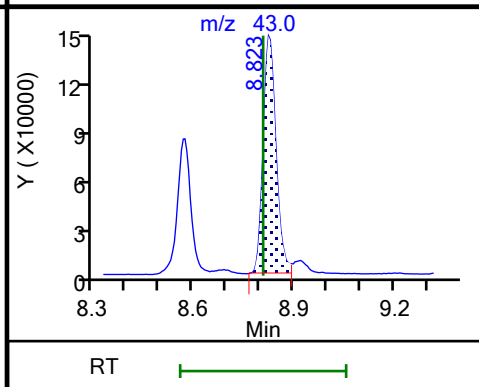
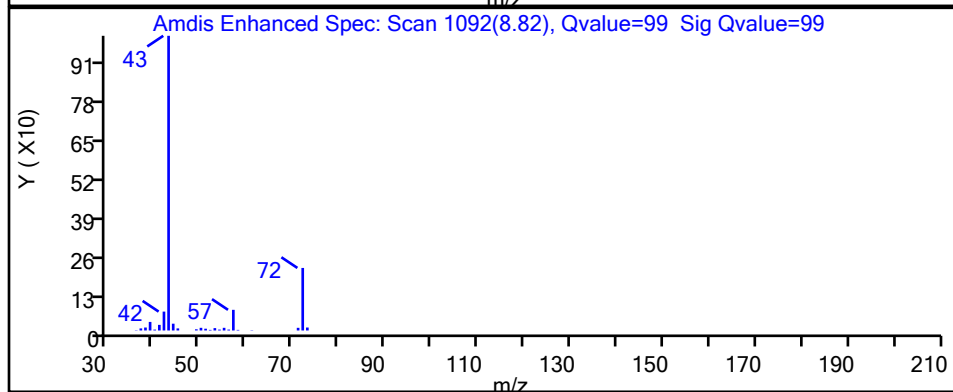
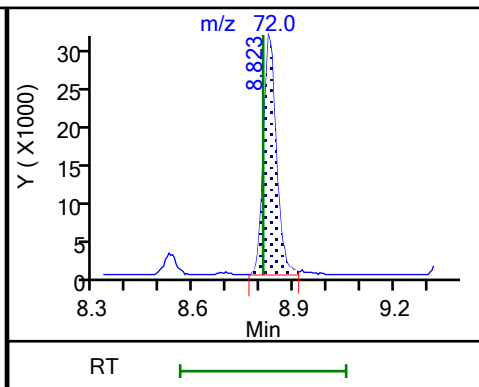
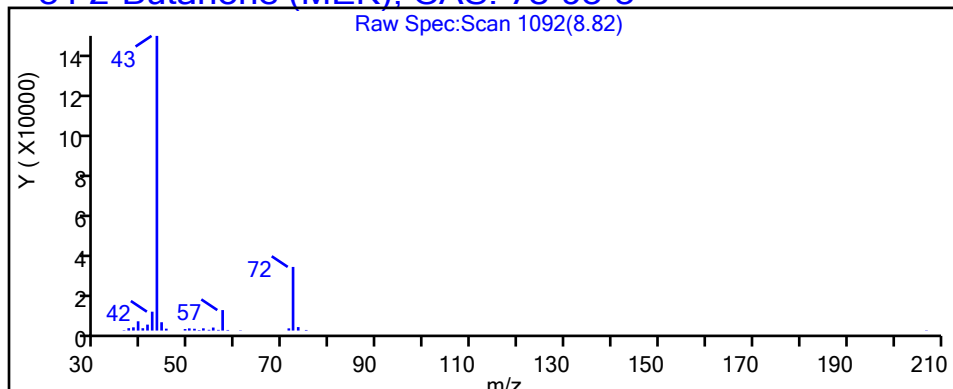
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

34 2-Butanone (MEK). CAS: 78-93-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

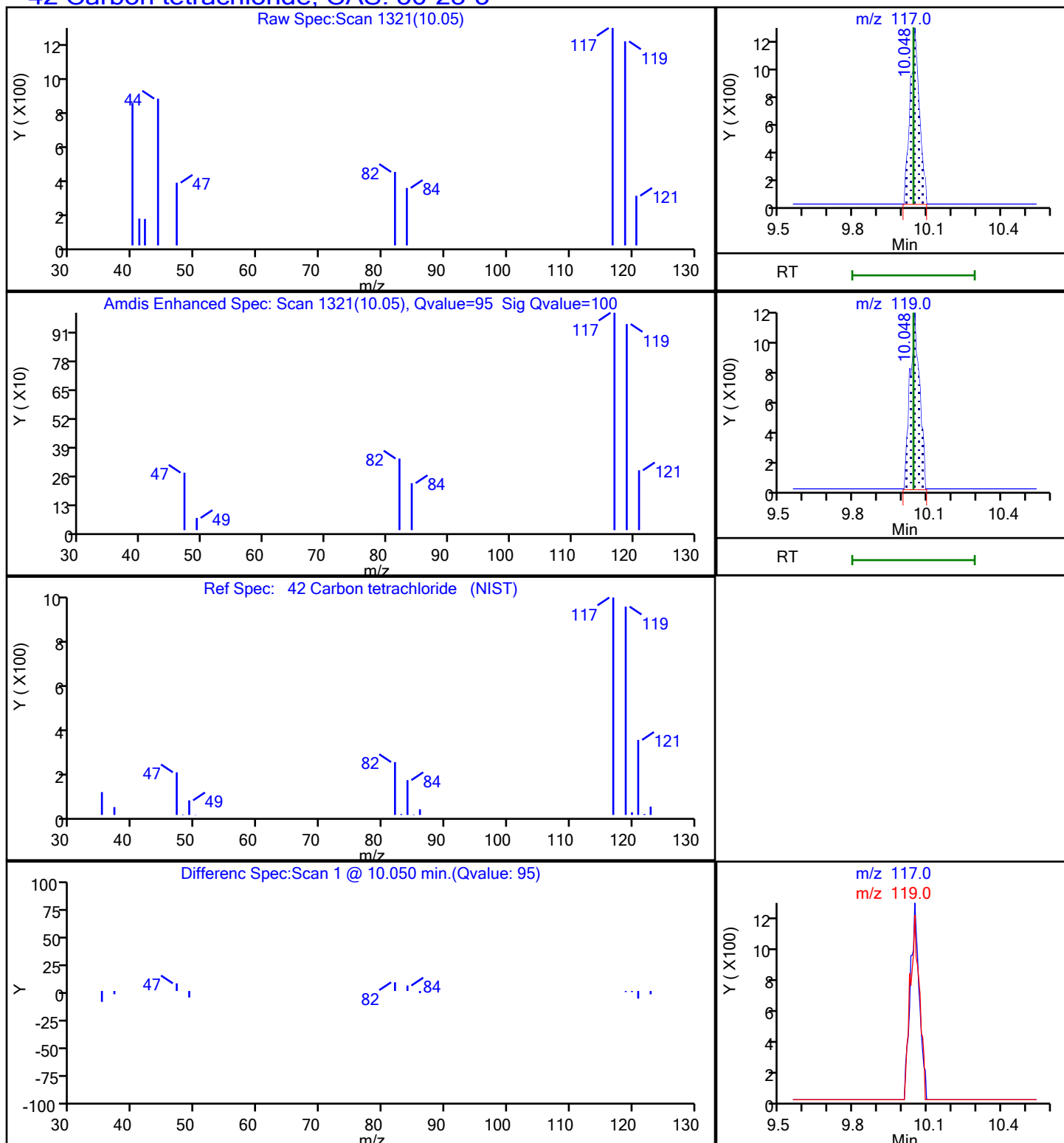
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Carbon tetrachloride, CAS: 56-23-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

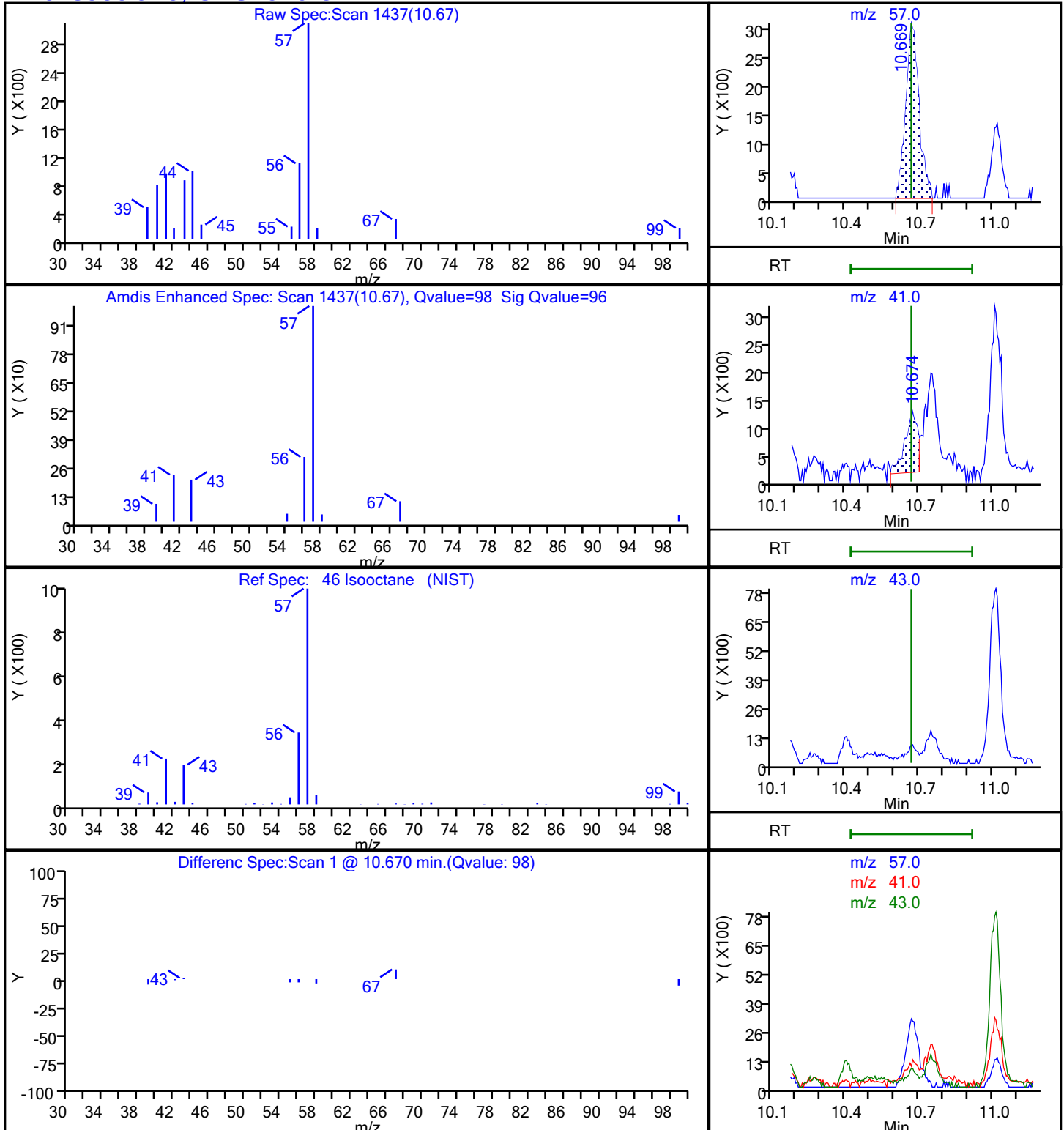
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Isooctane, CAS: 540-84-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

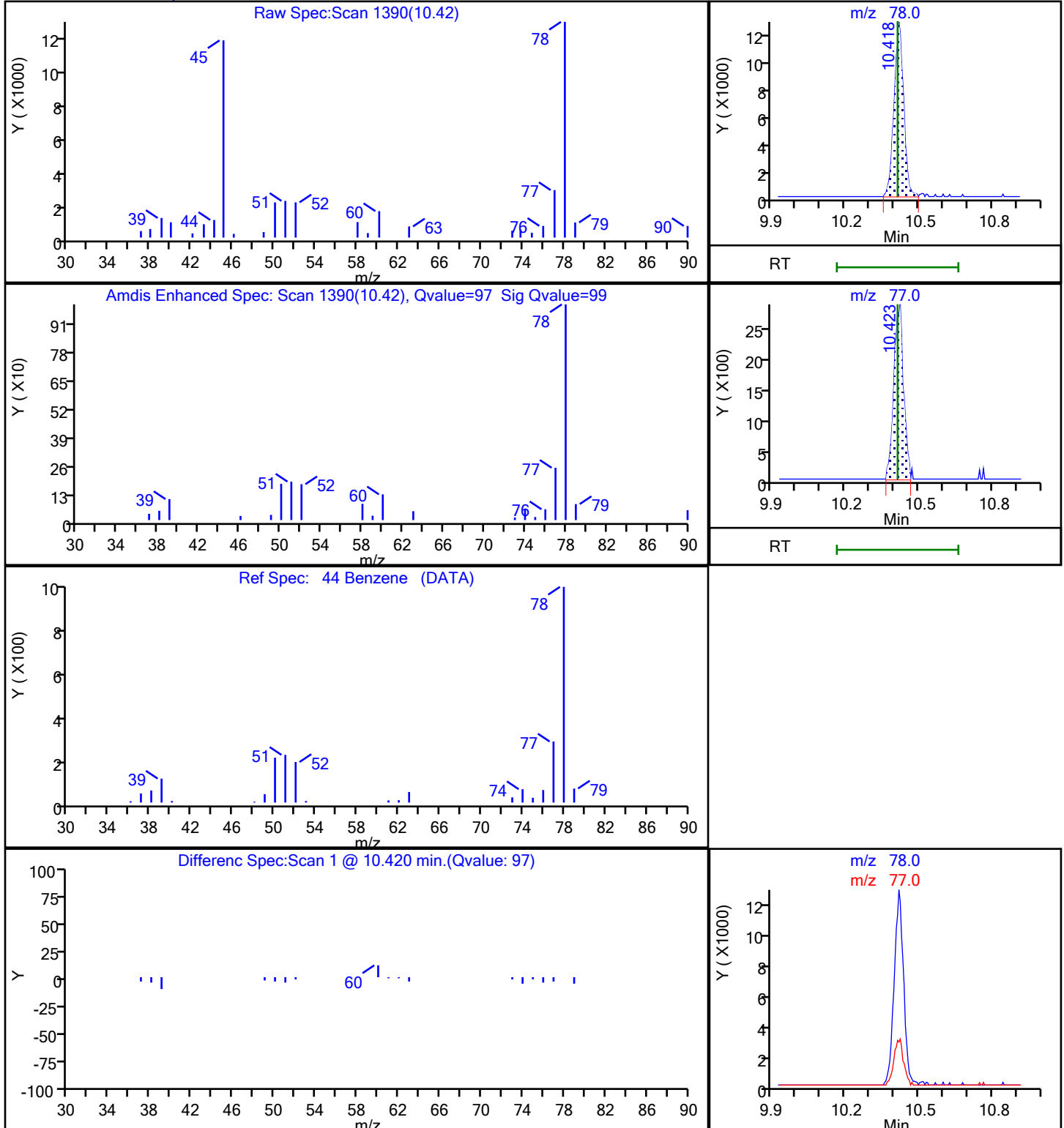
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

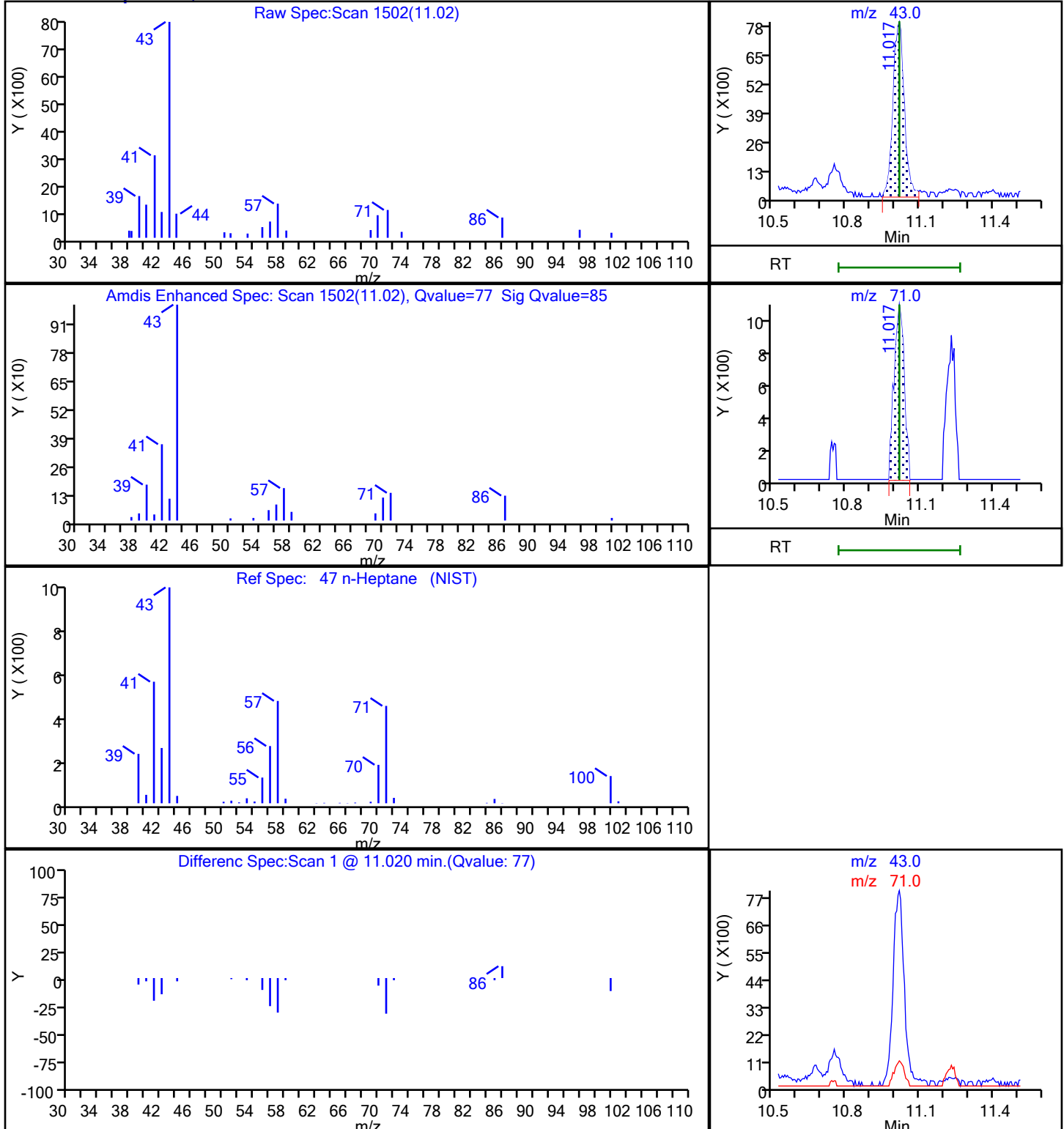
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 n-Heptane, CAS: 142-82-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

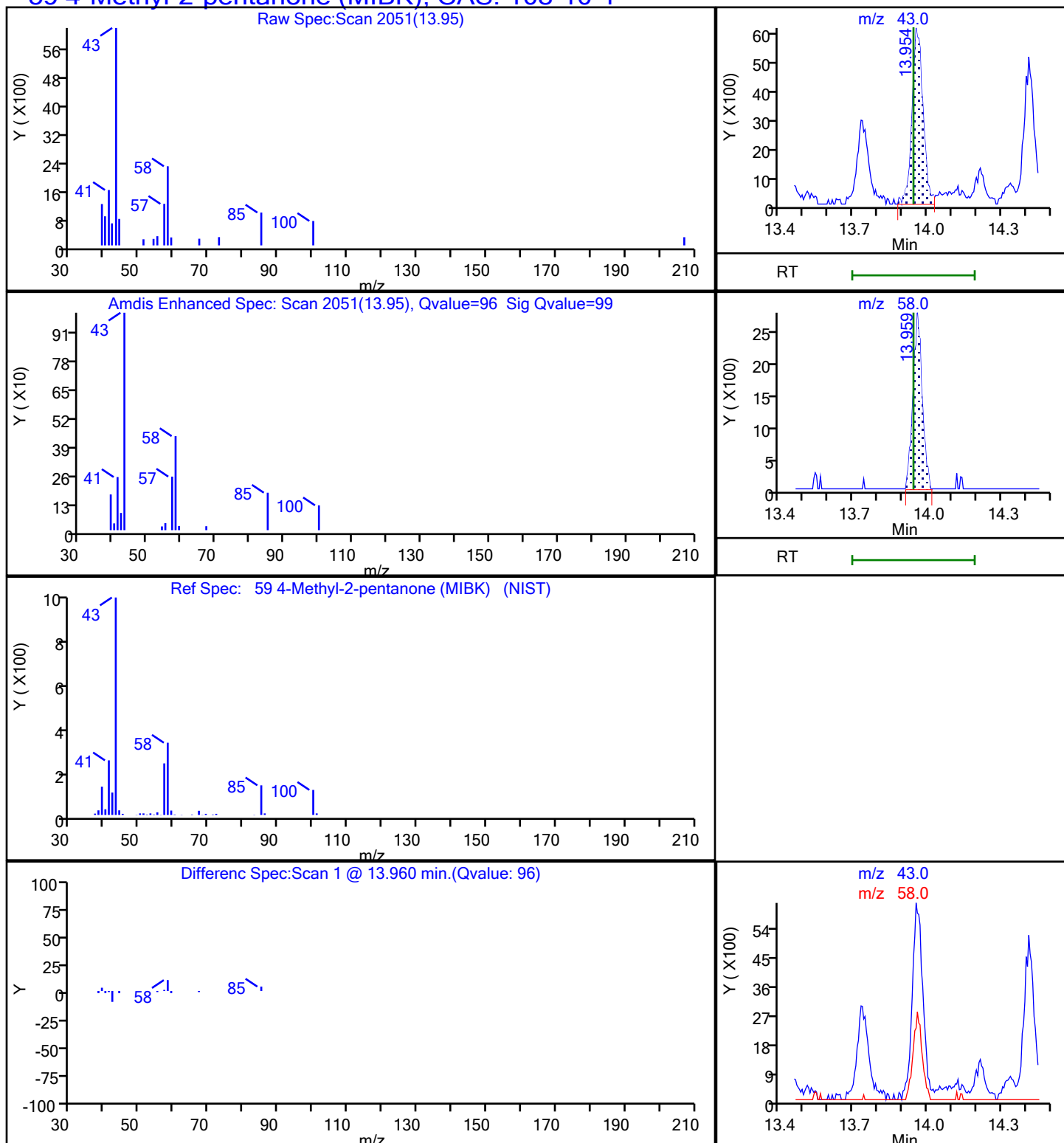
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

59 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

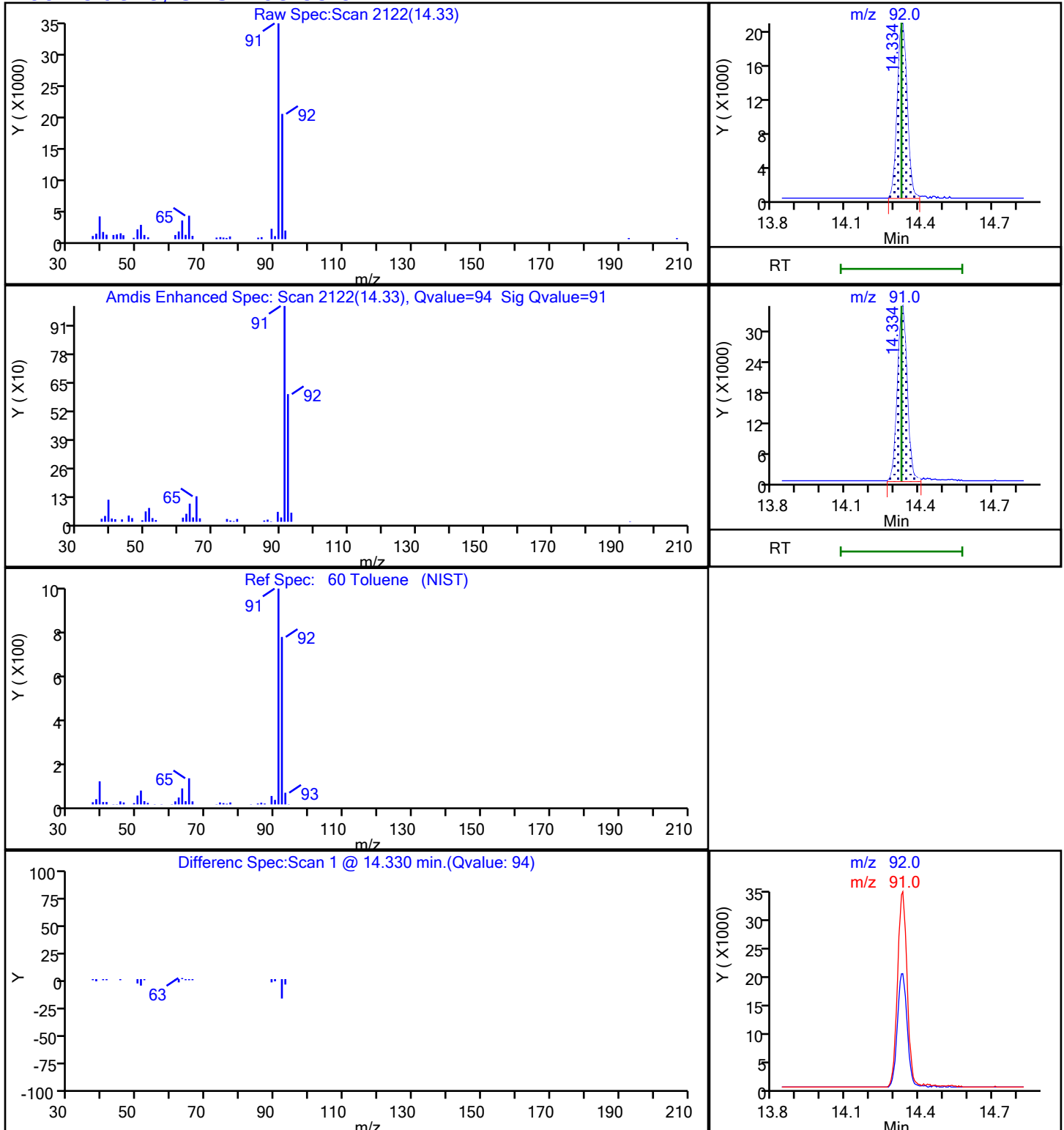
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

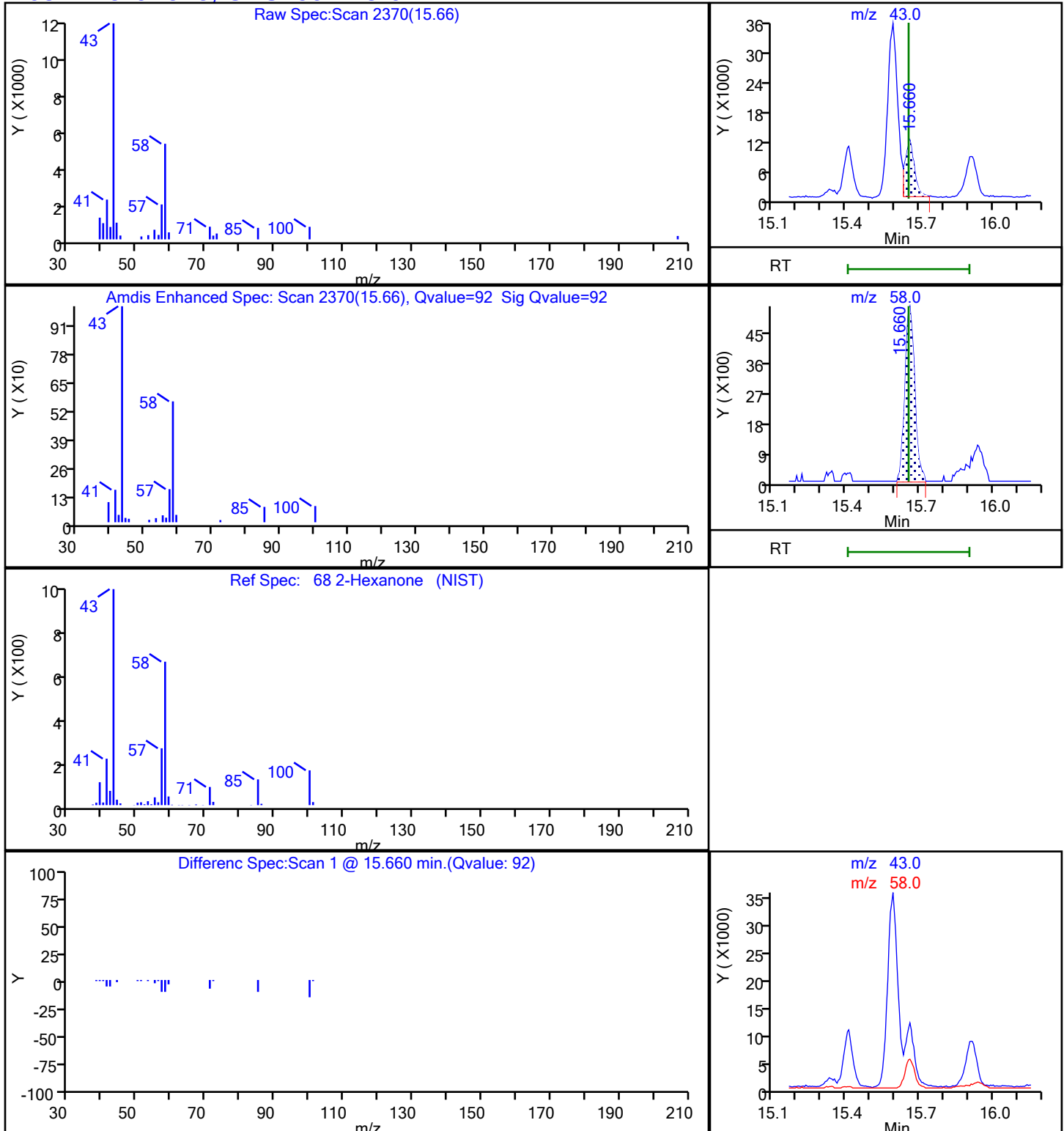
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 2-Hexanone, CAS: 591-78-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

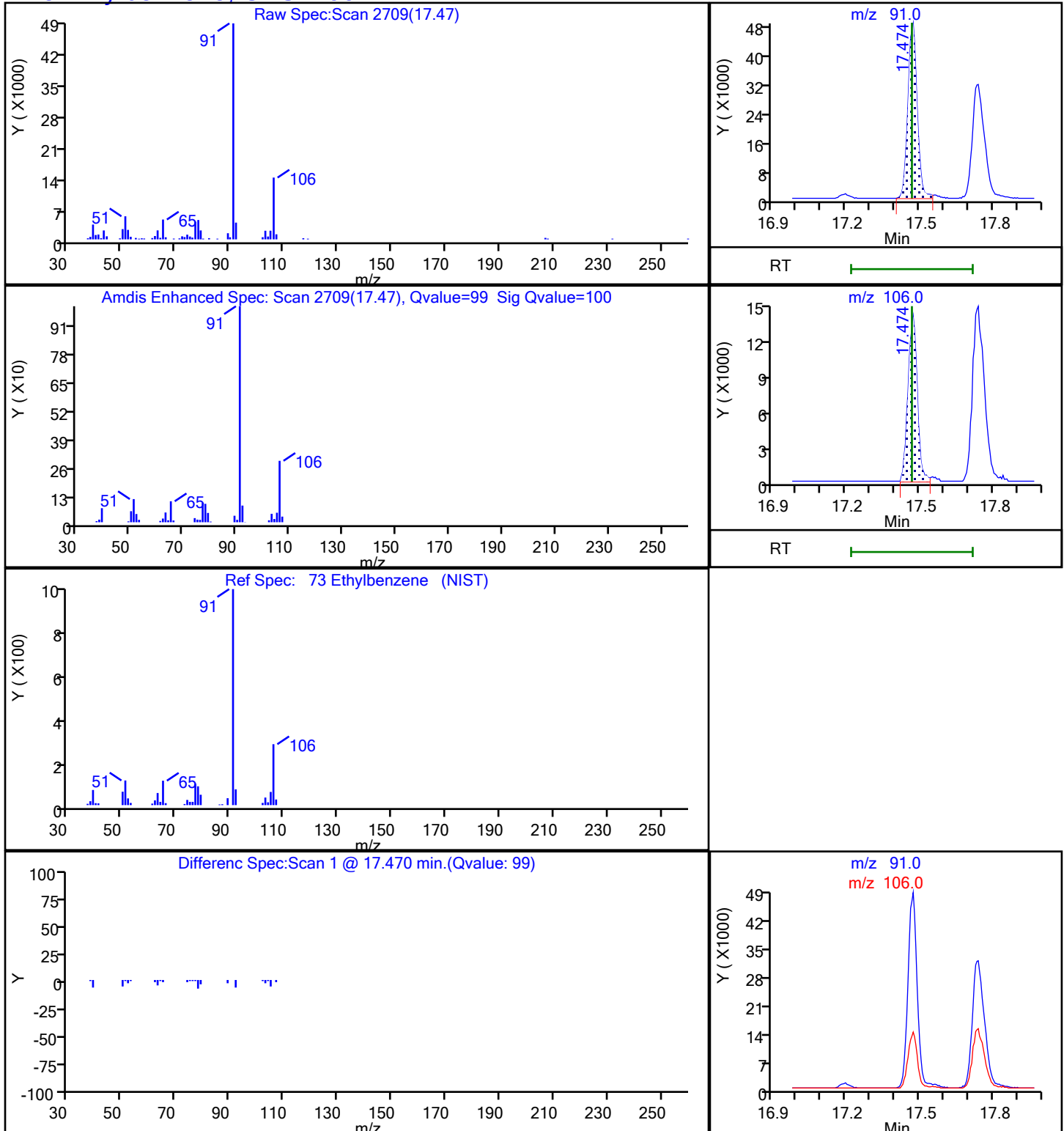
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

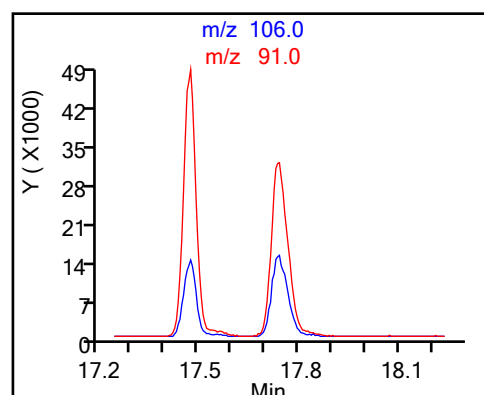
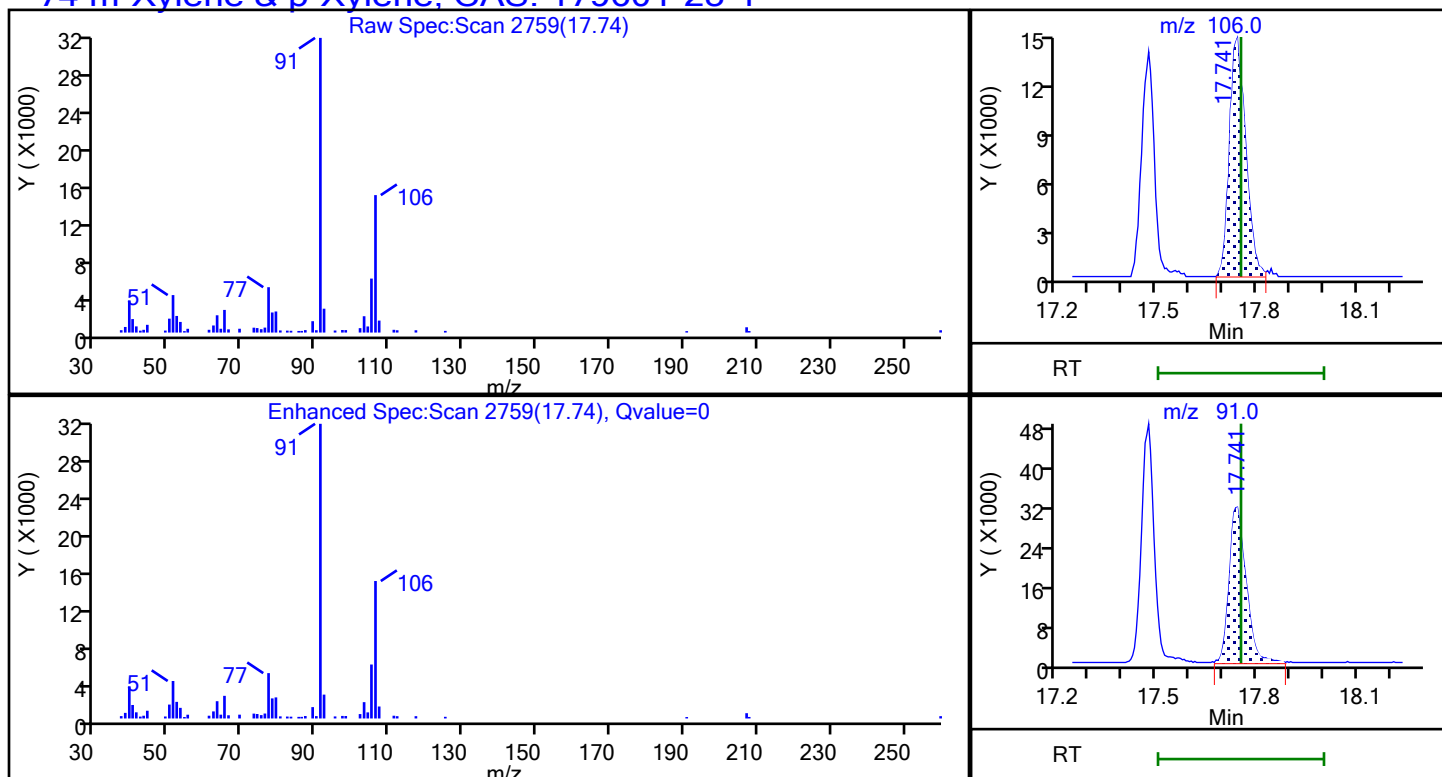
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

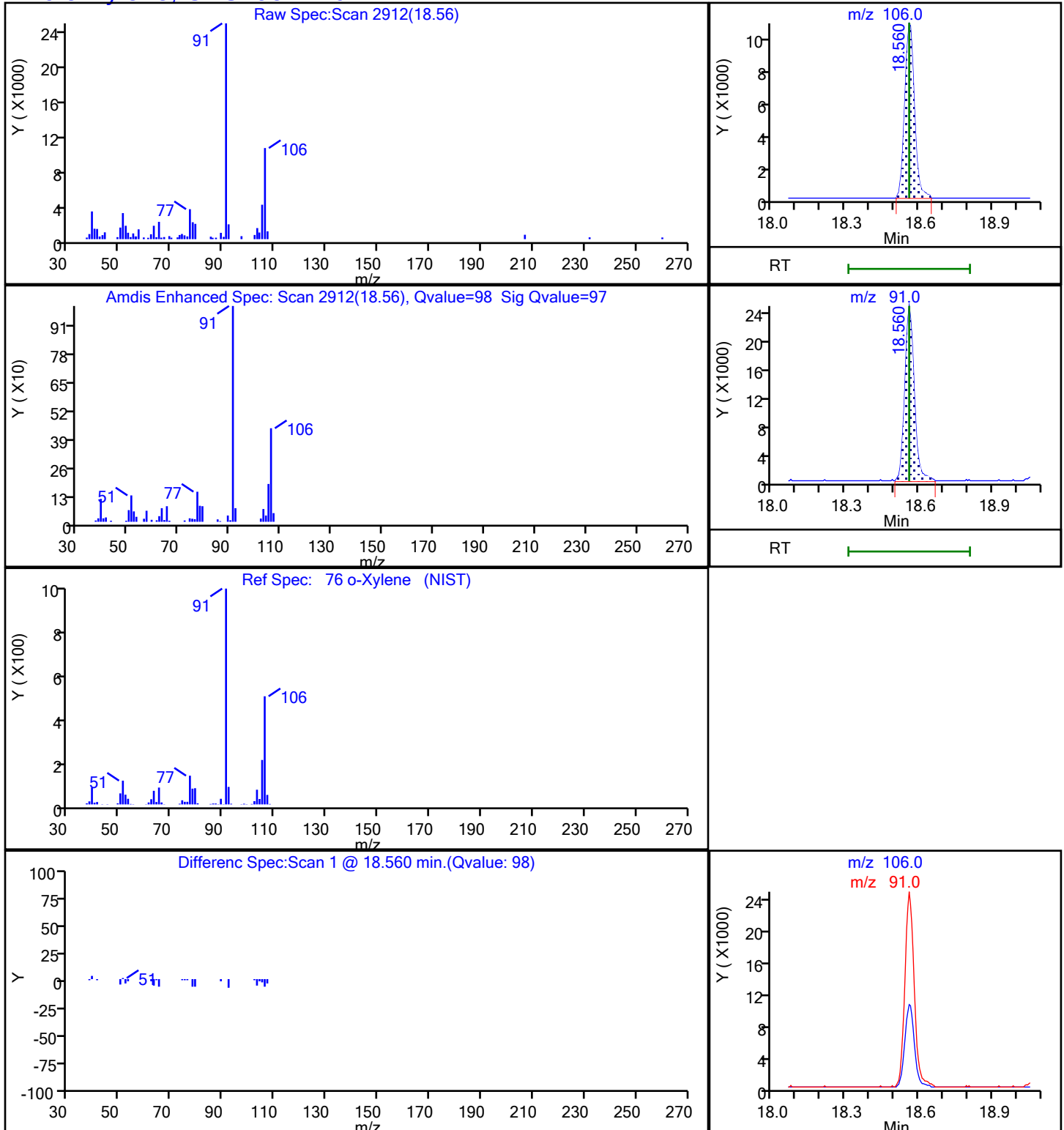
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

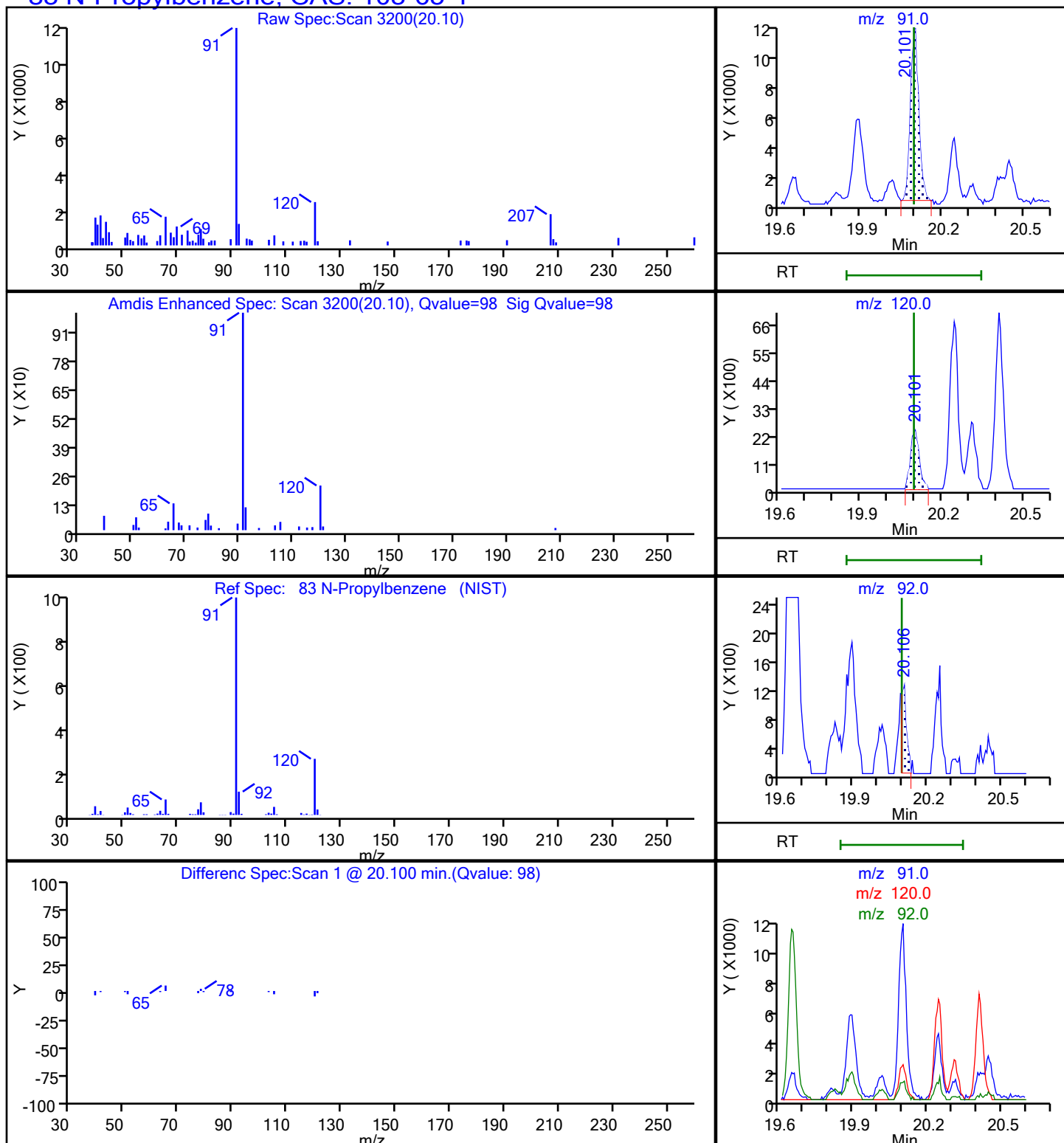
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

83 N-Propylbenzene, CAS: 103-65-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

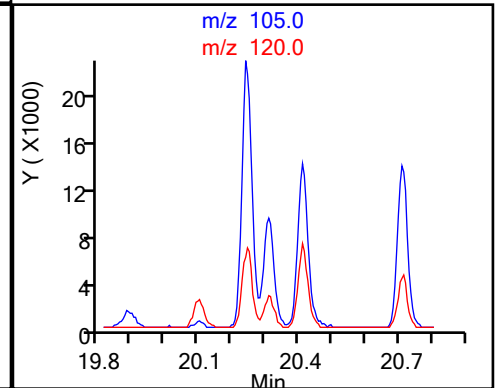
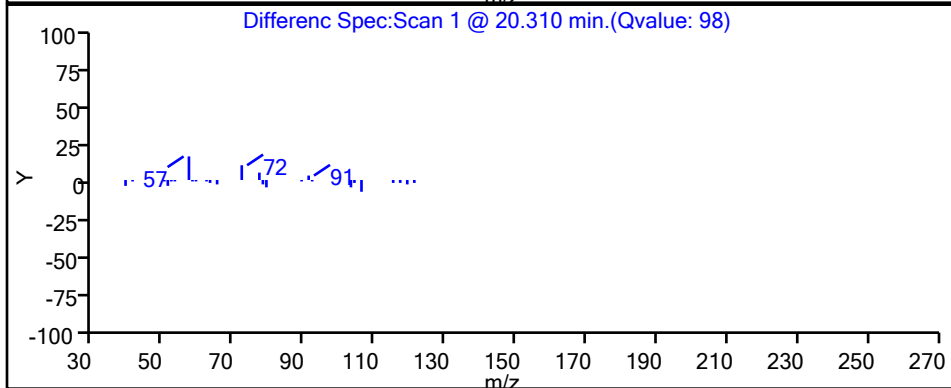
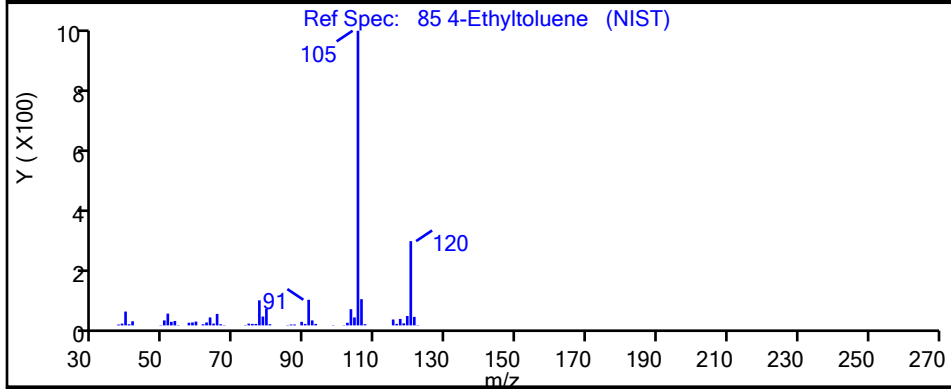
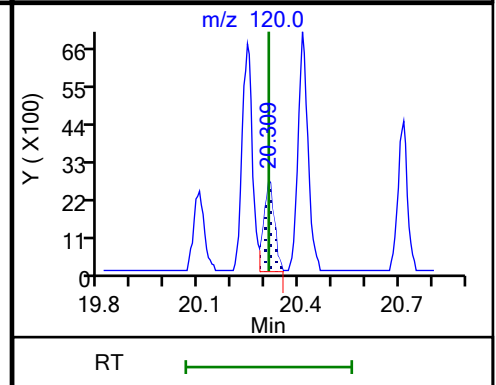
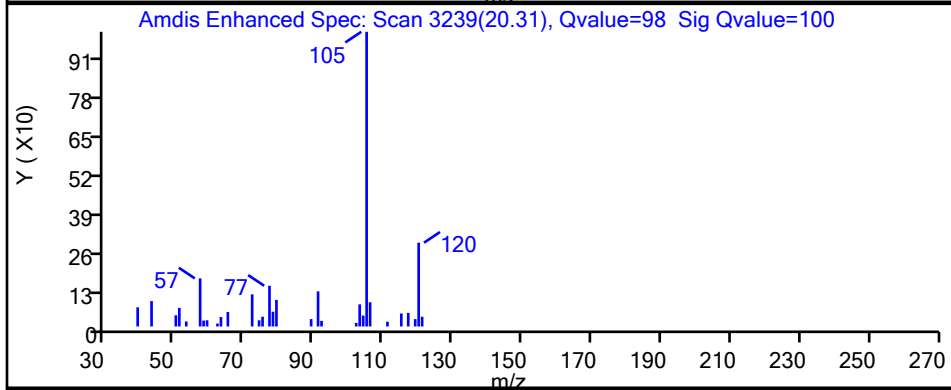
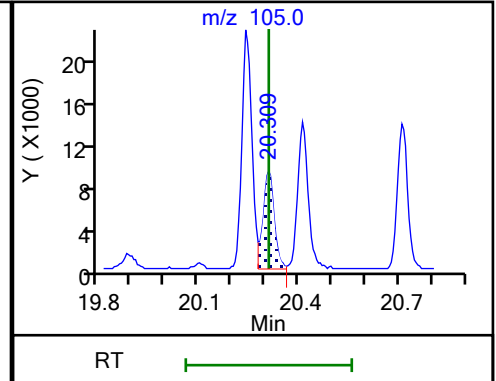
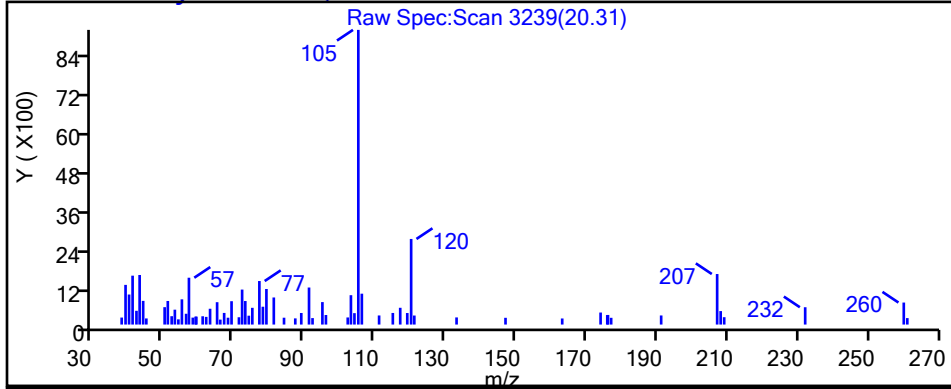
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

85 4-Ethyltoluene, CAS: 622-96-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

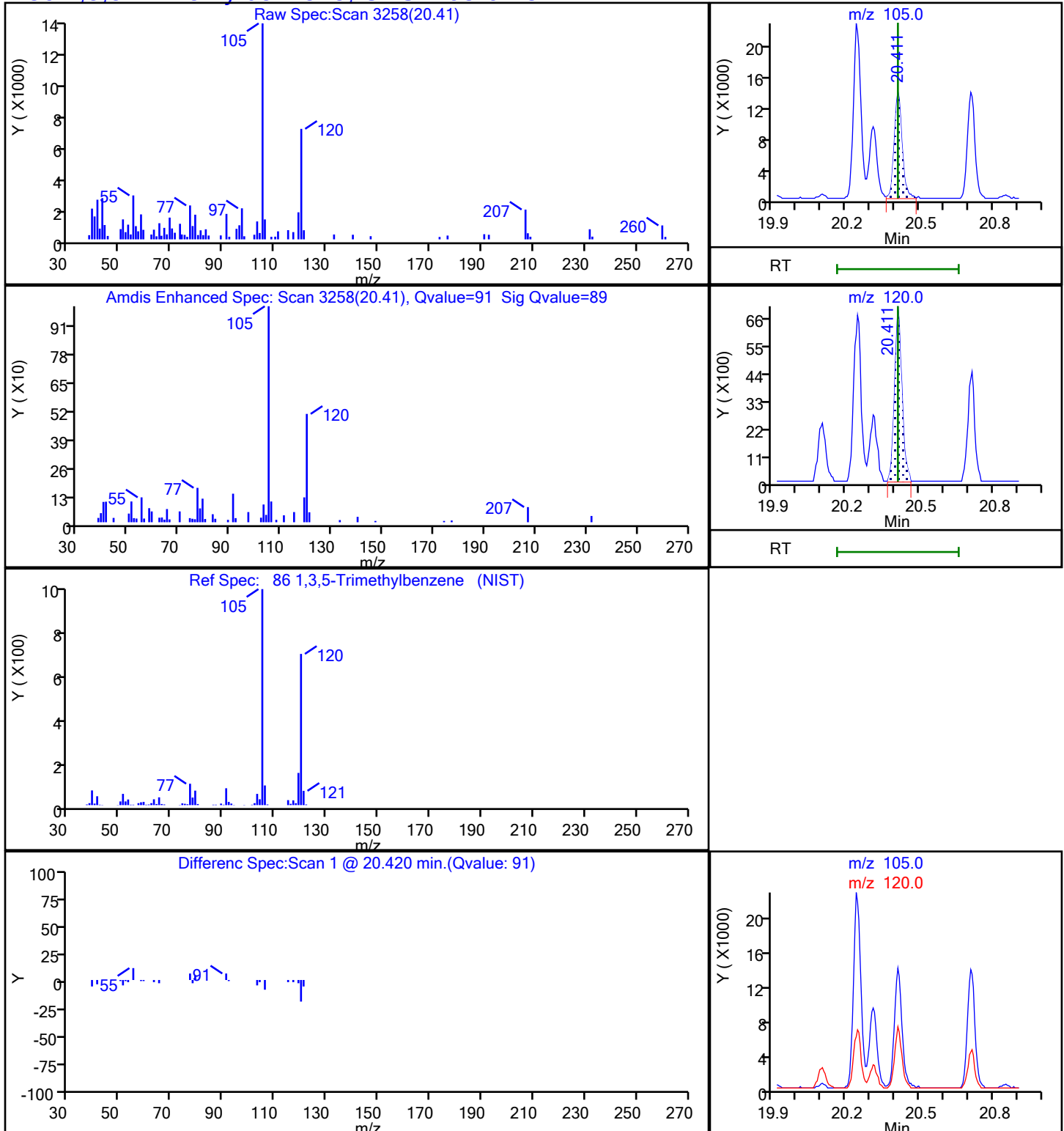
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

86 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

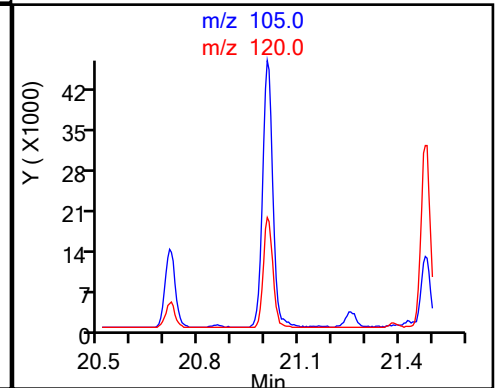
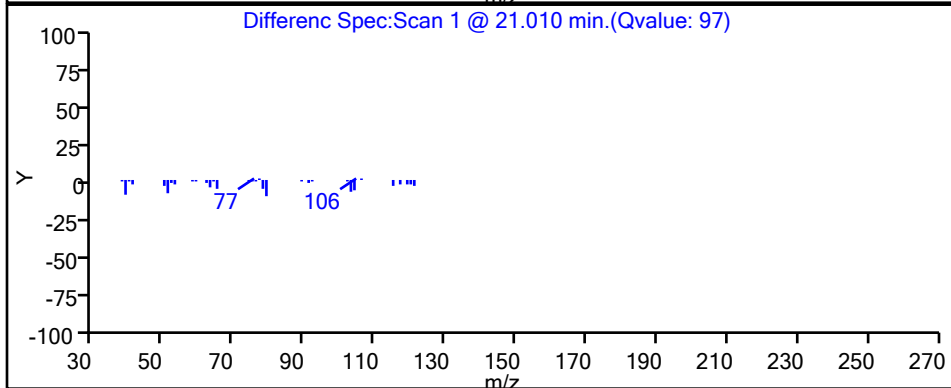
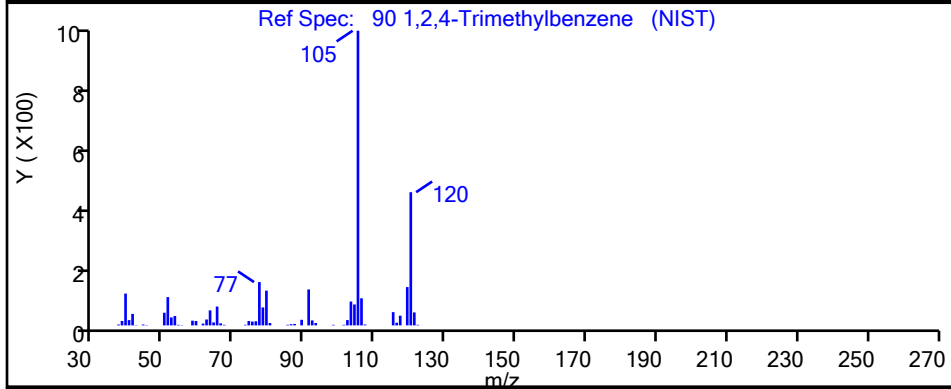
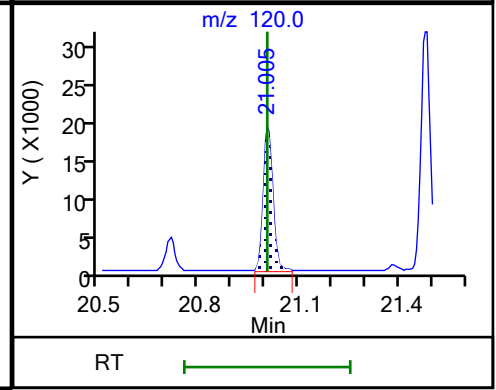
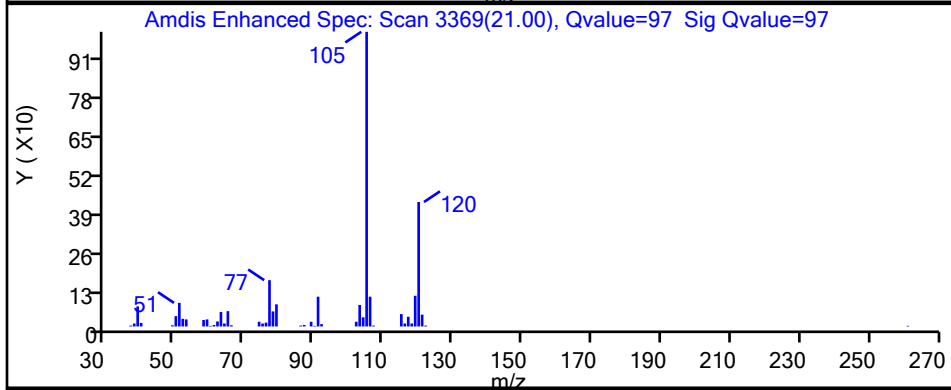
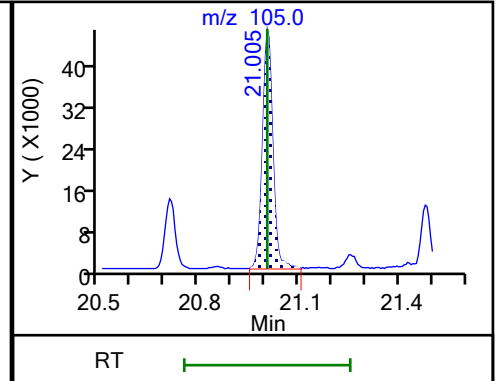
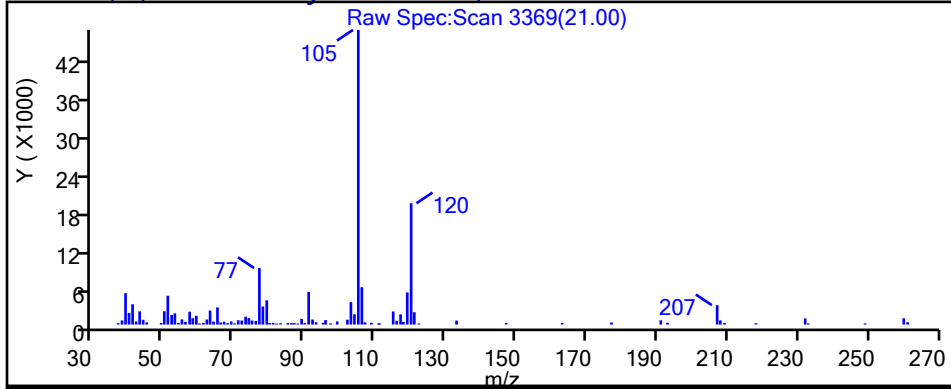
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

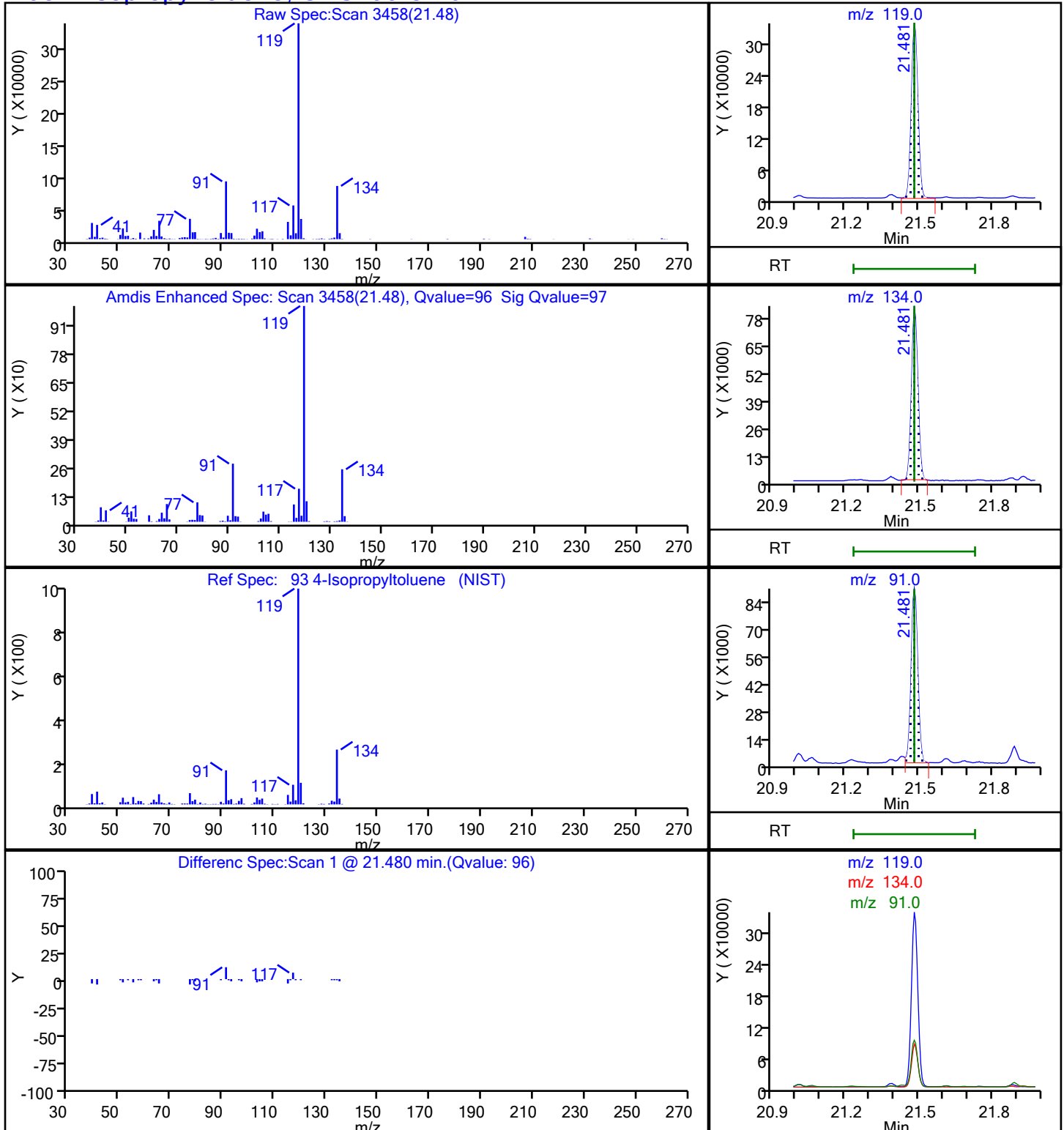
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

93 4-Isopropyltoluene, CAS: 99-87-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

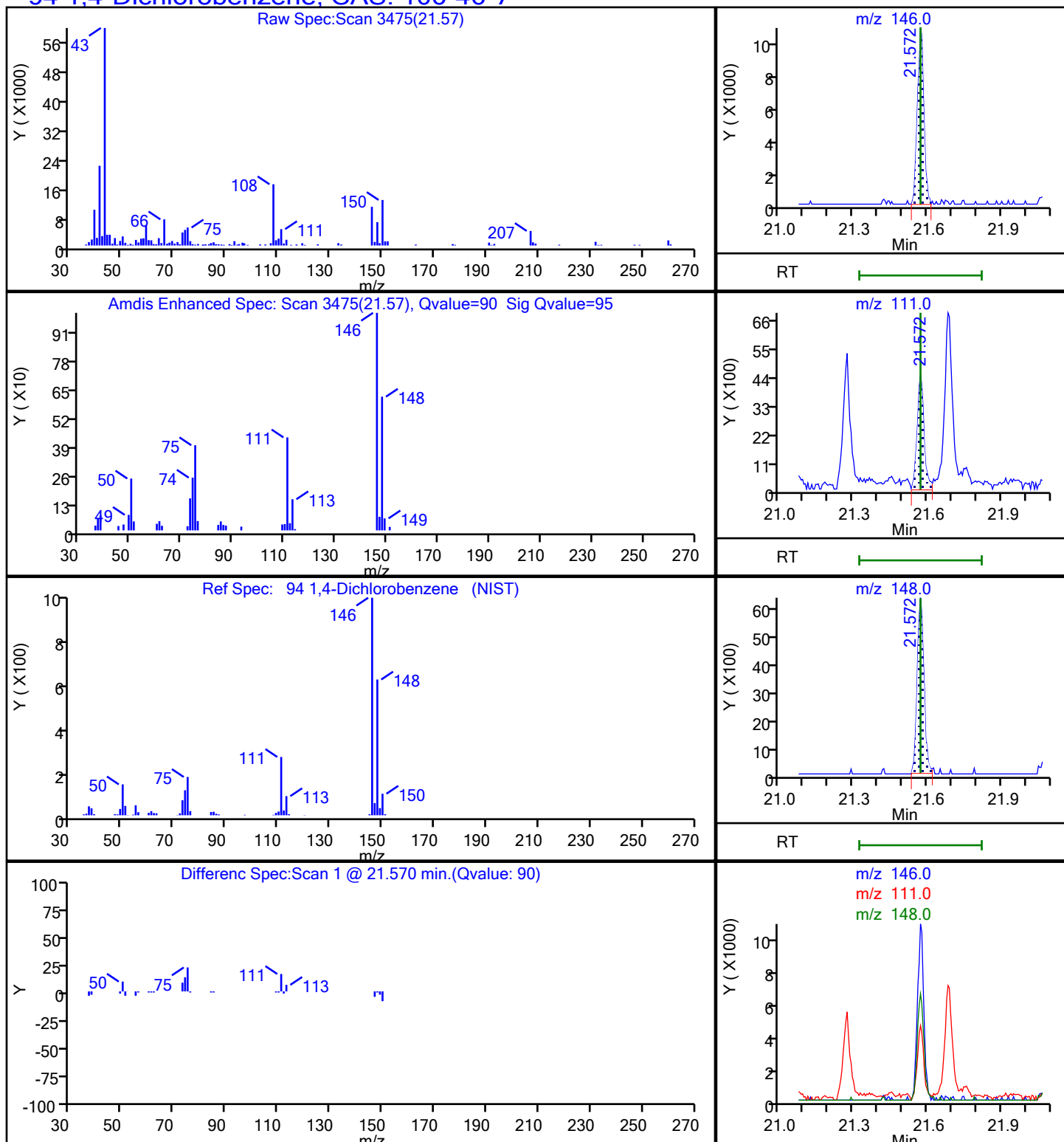
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector MS SCAN

94 1,4-Dichlorobenzene, CAS: 106-46-7



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

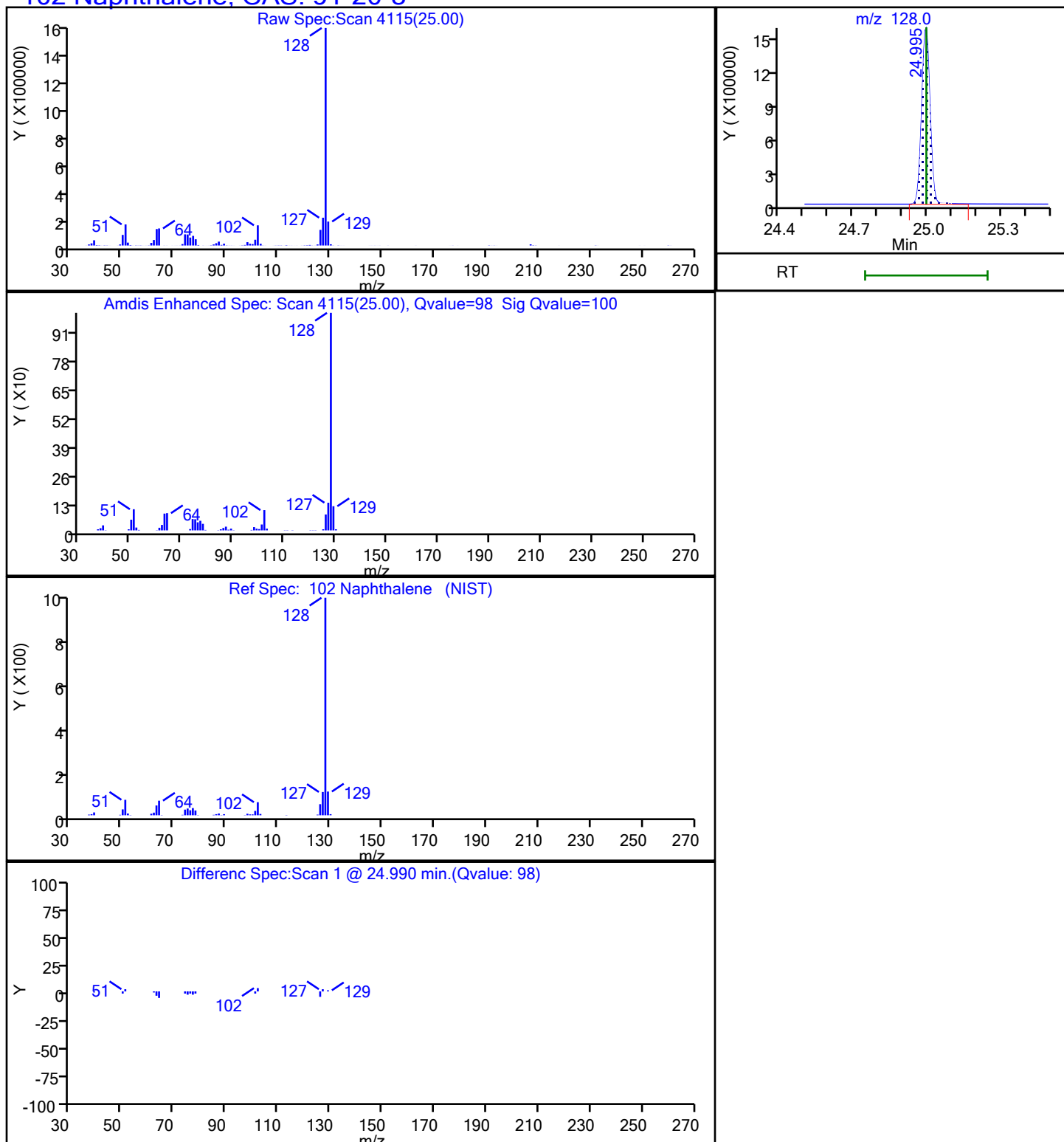
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

102 Naphthalene, CAS: 91-20-3

Eurofins Burlington

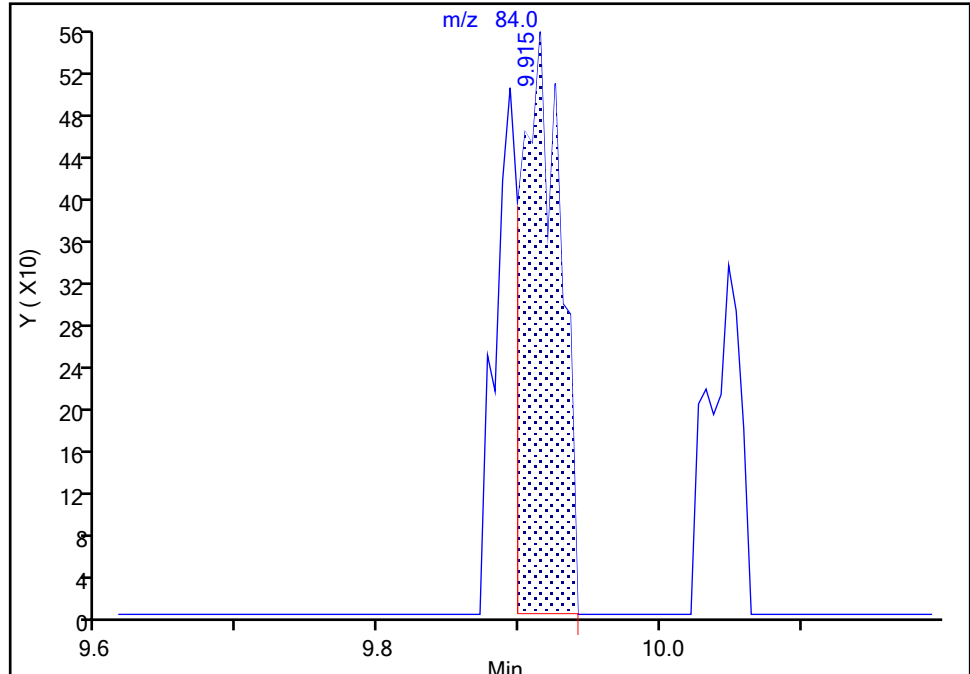
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D		
Injection Date:	20-Mar-2023 18:45:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-6	Lab Sample ID:	200-67137-6
Client ID:	AMBIENT		
Operator ID:	vtp	ALS Bottle#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	14

41 Cyclohexane, CAS: 110-82-7

Signal: 1

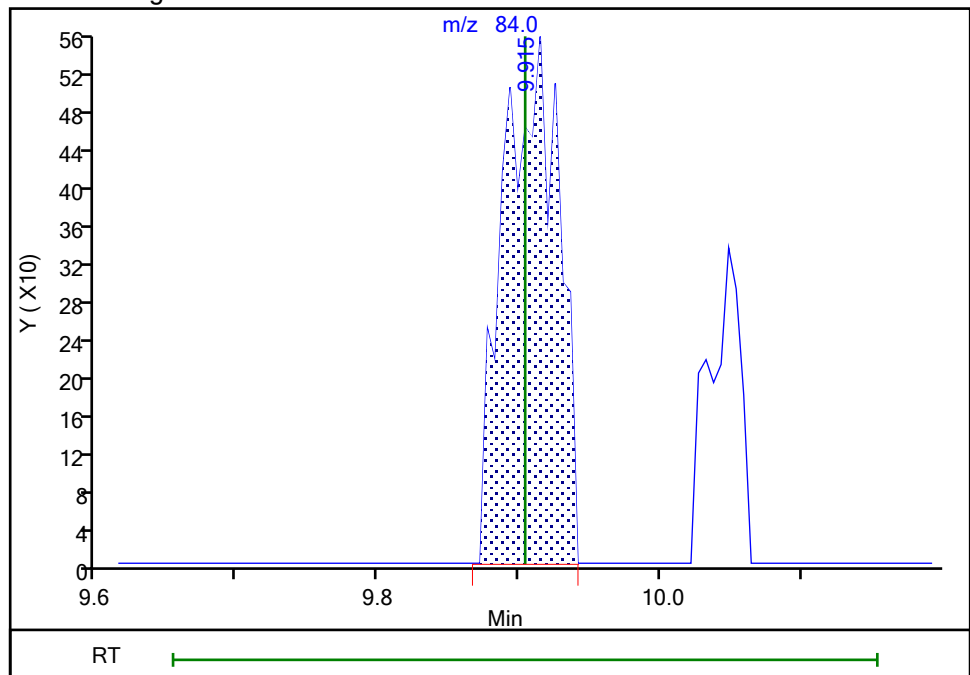
RT: 9.91
Area: 1048
Amount: 0.026010
Amount Units: ppb v/v

Processing Integration Results



RT: 9.91
Area: 1486
Amount: 0.036880
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:34:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

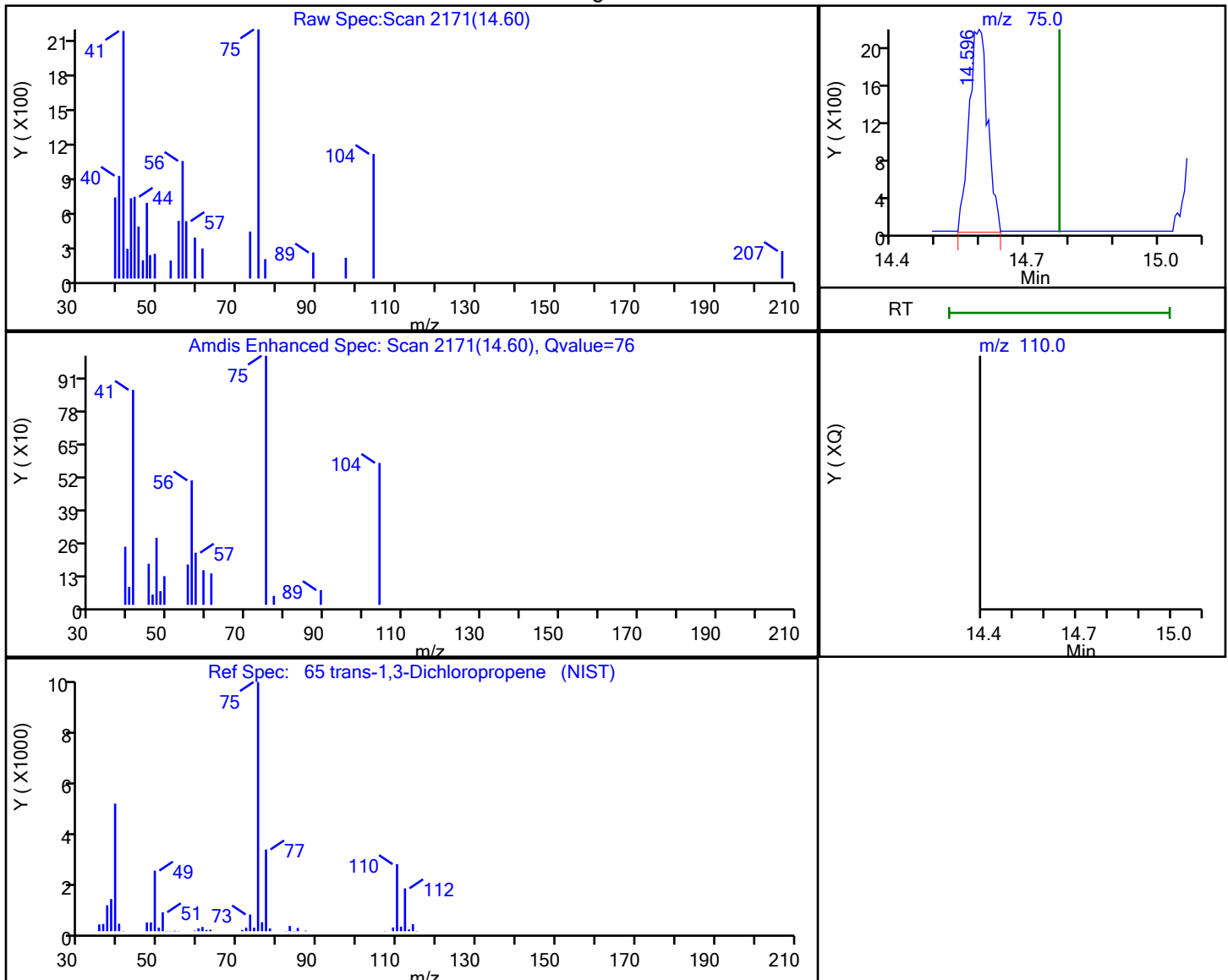
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
14.60	75.00	6308	0.100394
14.78	110.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:34:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

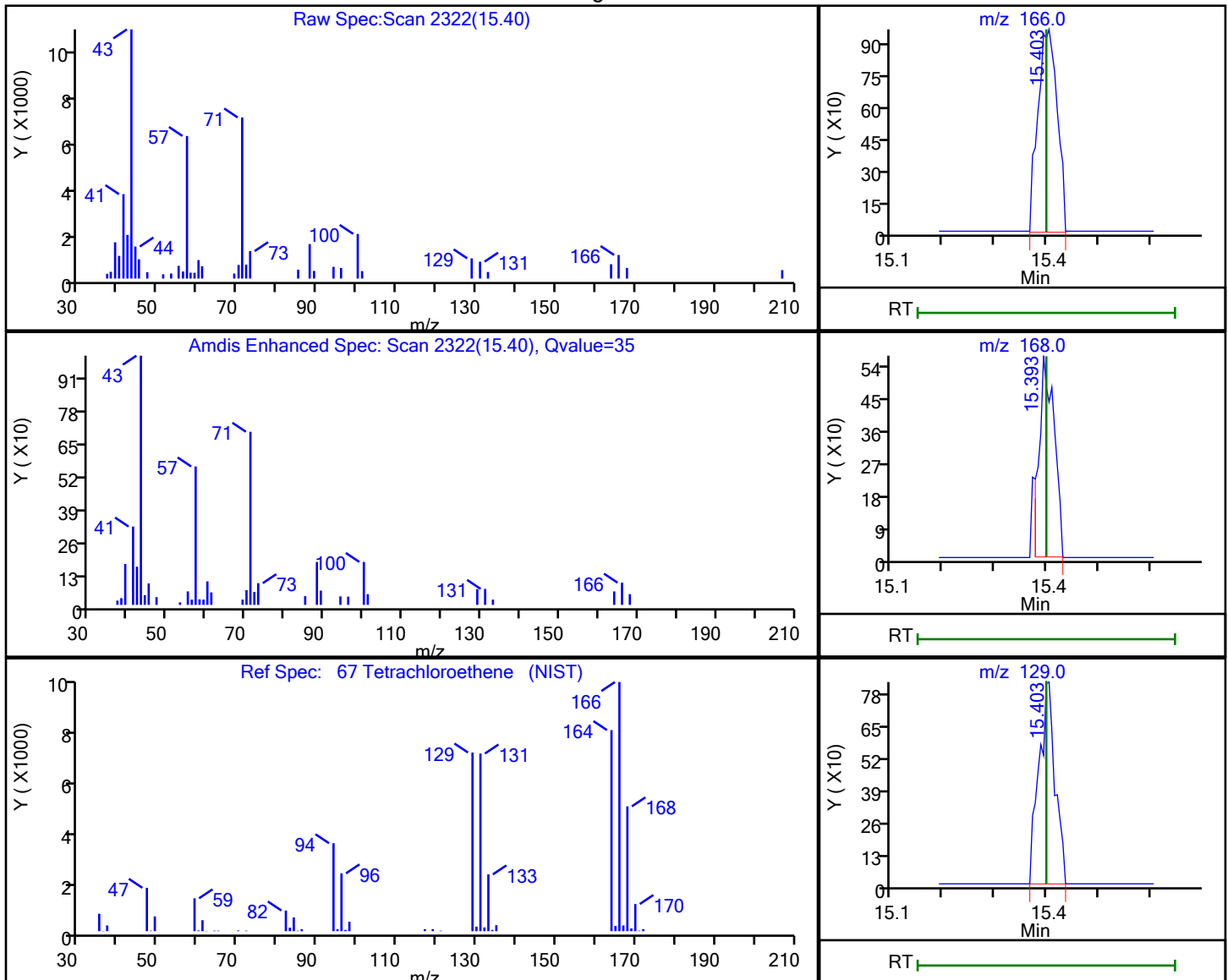
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
15.40	166.00	2510	0.039846
15.39	168.00	1132	
15.40	129.00	1800	

Reviewer: BKZ7, 21-Mar-2023 08:34:33

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

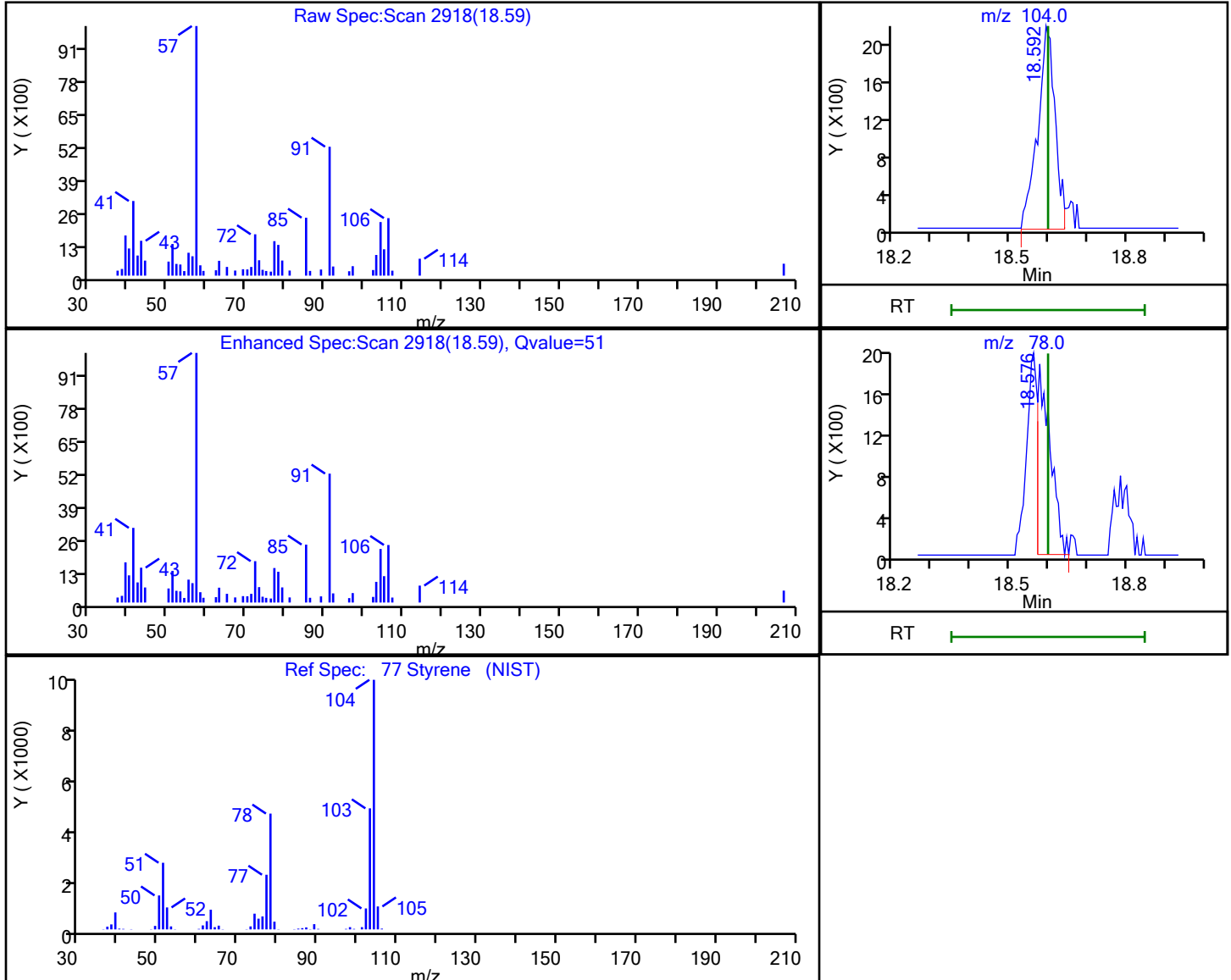
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

77 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
18.59	104.00	6604	0.078981
18.58	78.00	4149	

Reviewer: BKZ7, 21-Mar-2023 08:34:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

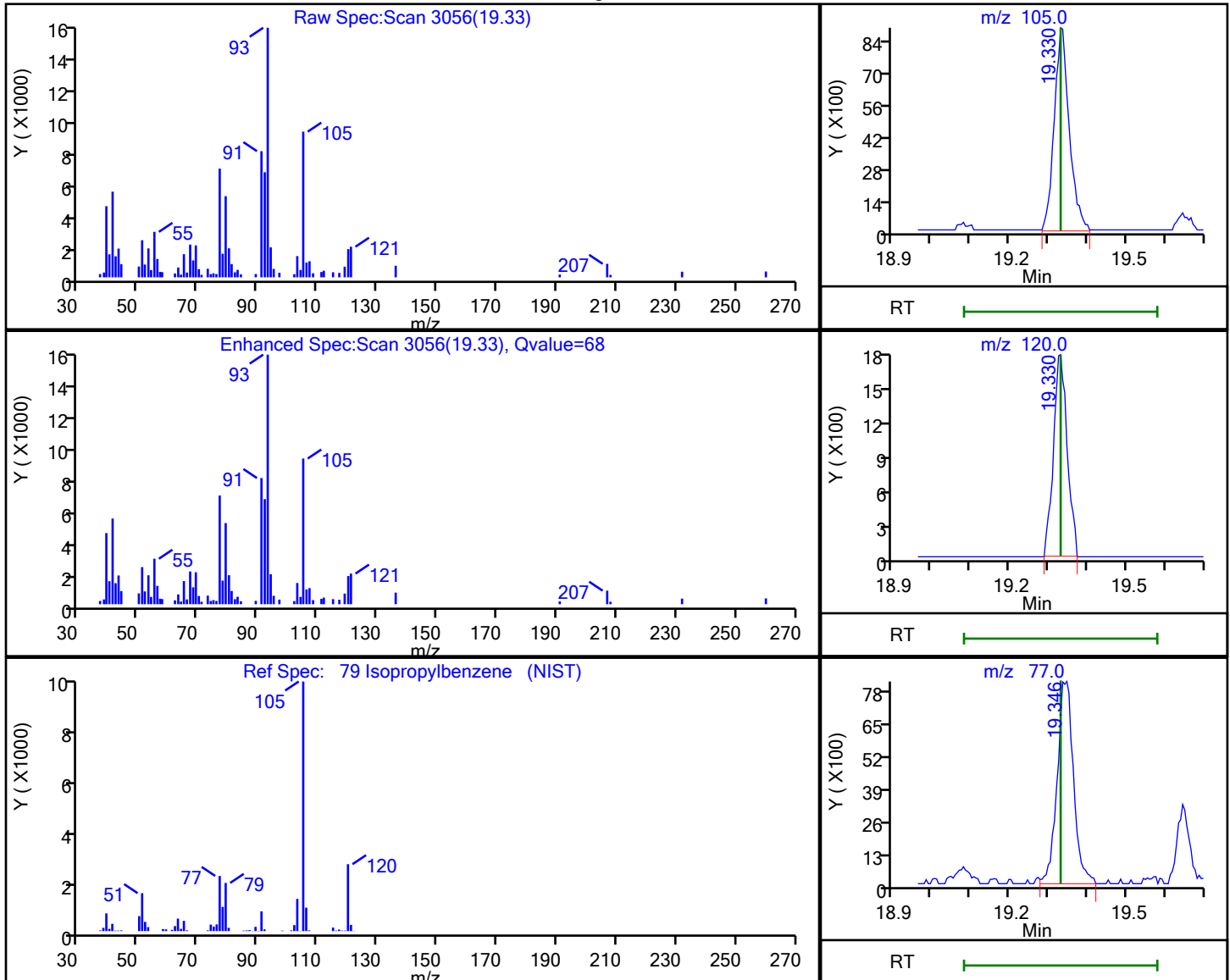
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
19.33	105.00	24091	0.162230
19.33	120.00	4290	
19.35	77.00	24006	

Reviewer: BKZ7, 21-Mar-2023 08:34:47

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

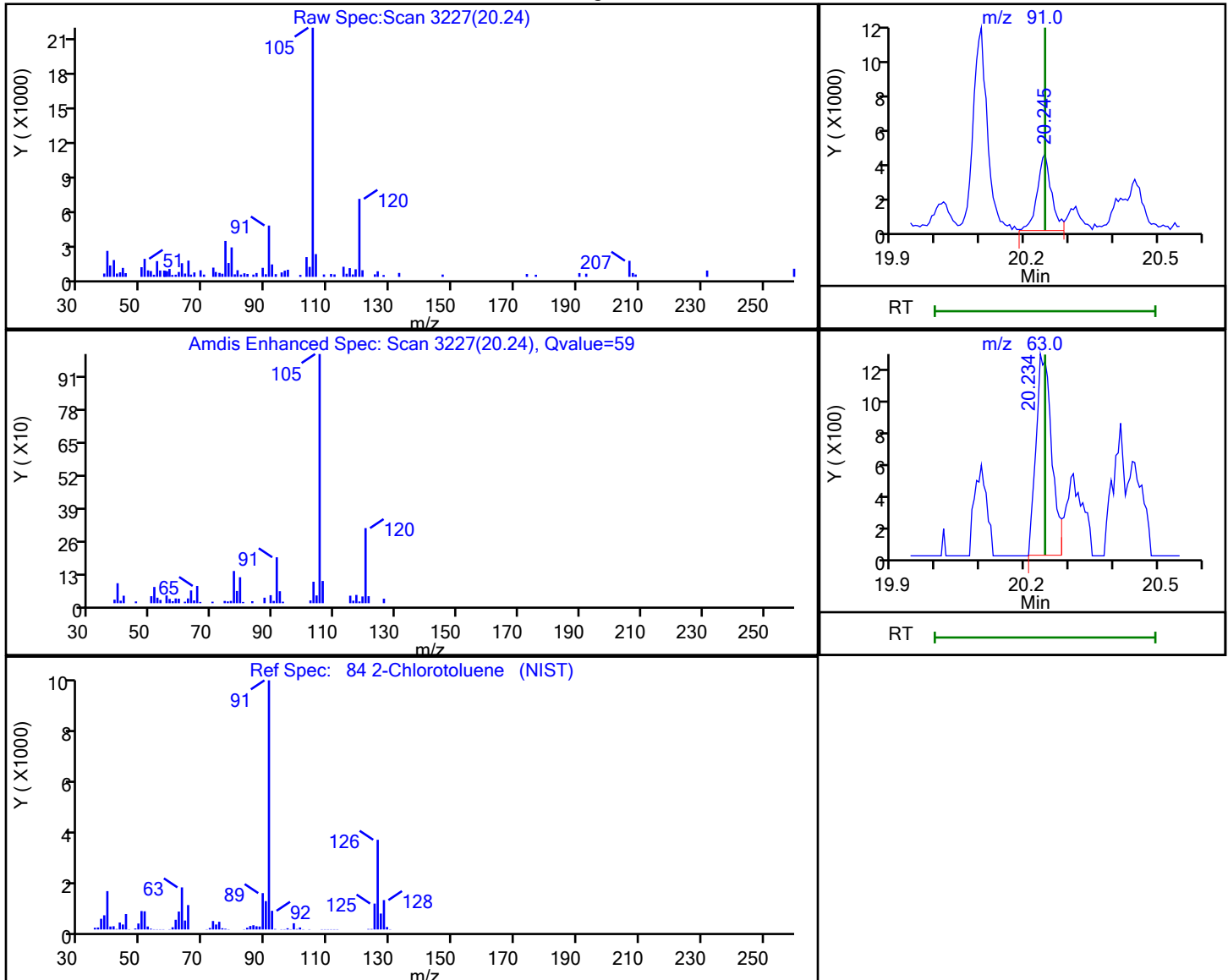
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

84 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
20.24	91.00	9569	0.079133
20.23	63.00	2992	

Reviewer: BKZ7, 21-Mar-2023 08:34:51

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

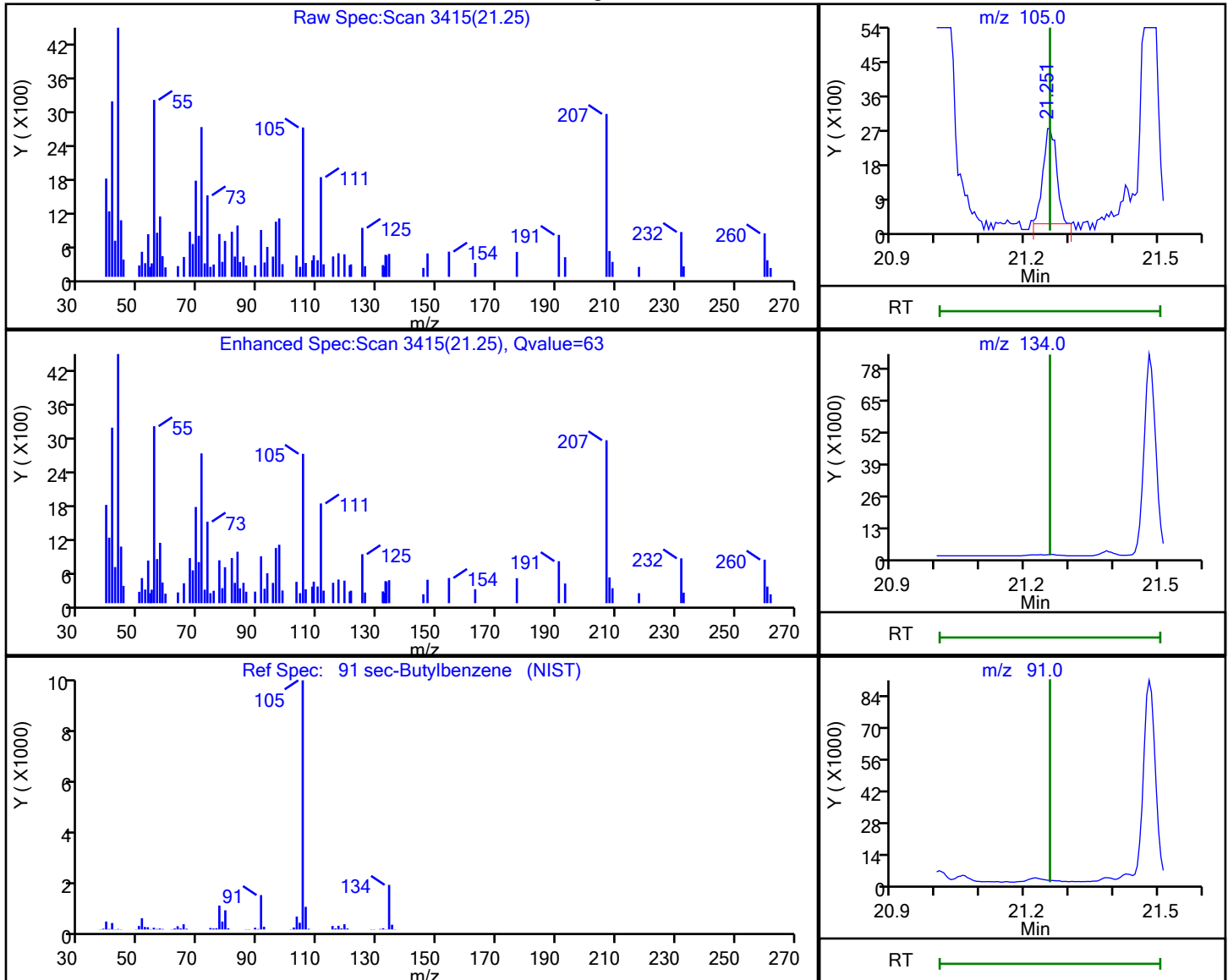
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

91 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
21.25	105.00	5358	0.033001
21.26	134.00	0	
21.26	91.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:34:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

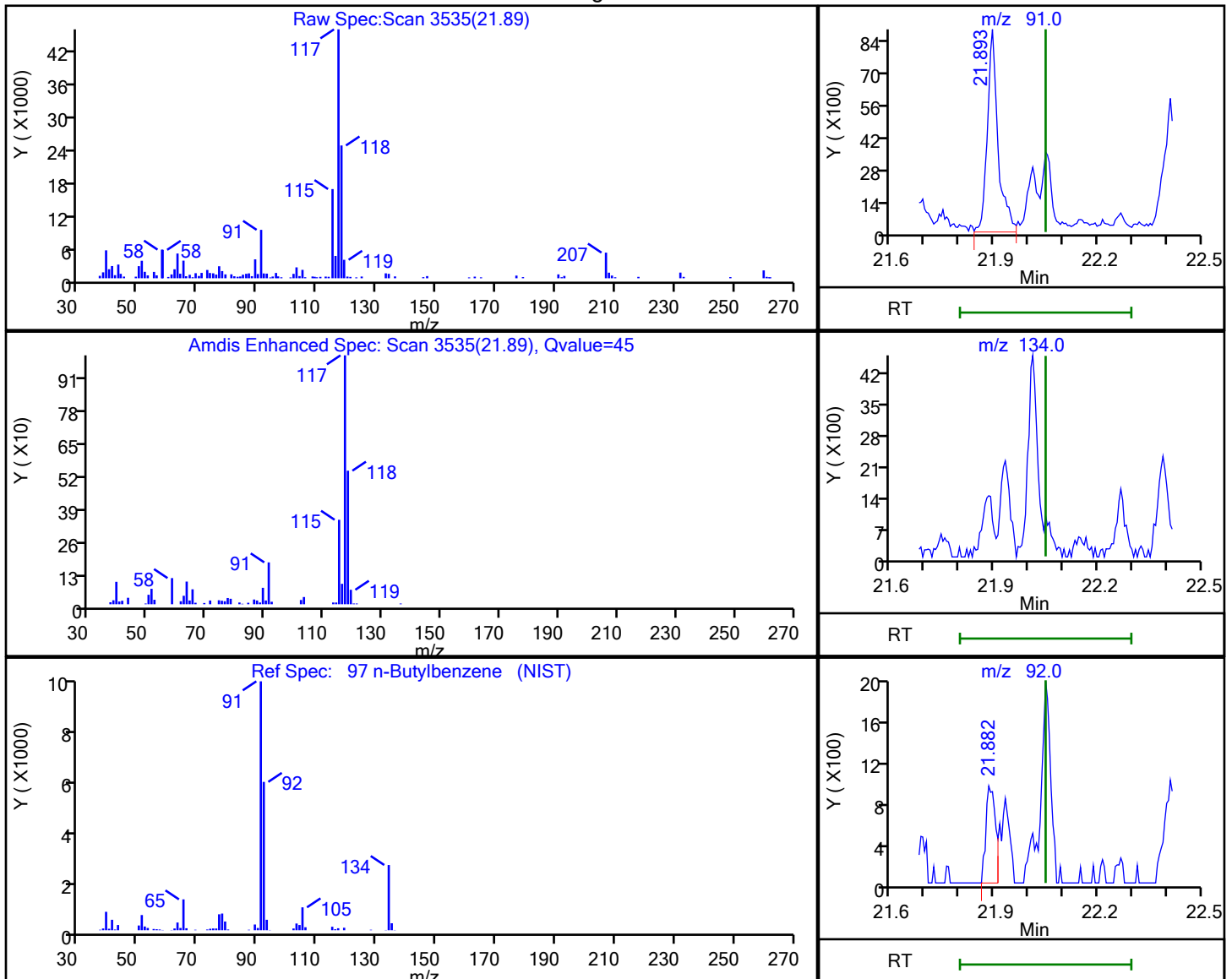
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

97 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
21.89	91.00	18888	0.150731
22.05	134.00	0	
21.88	92.00	1813	

Reviewer: BKZ7, 21-Mar-2023 08:35:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

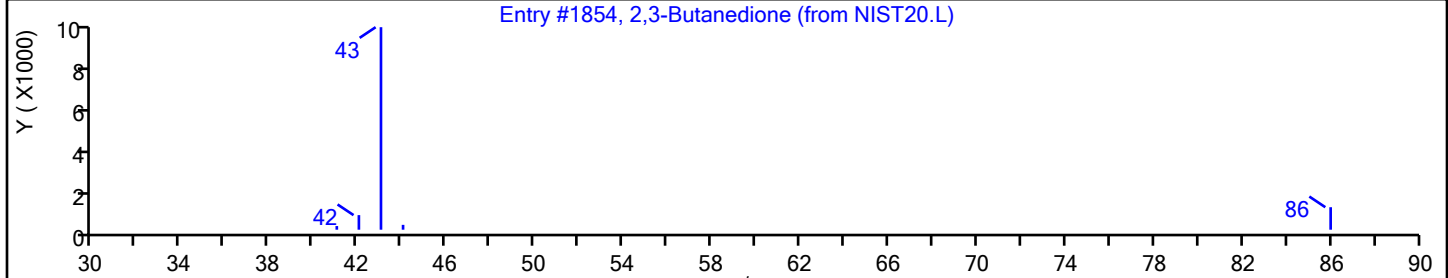
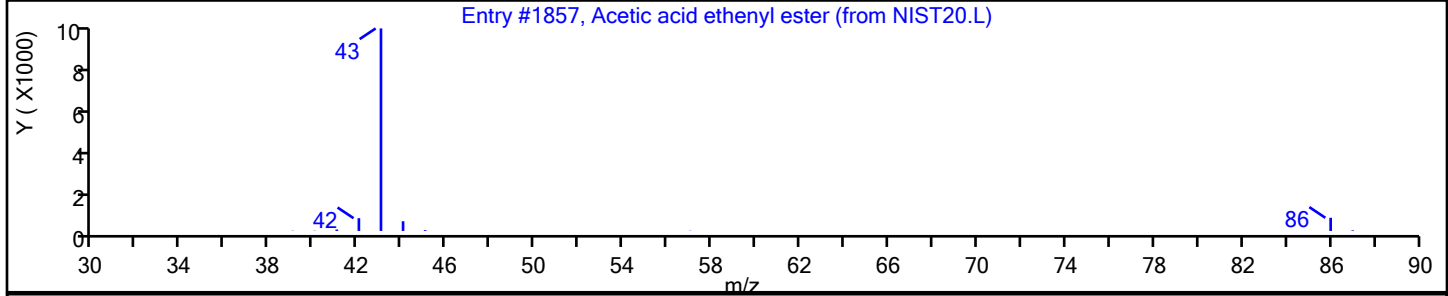
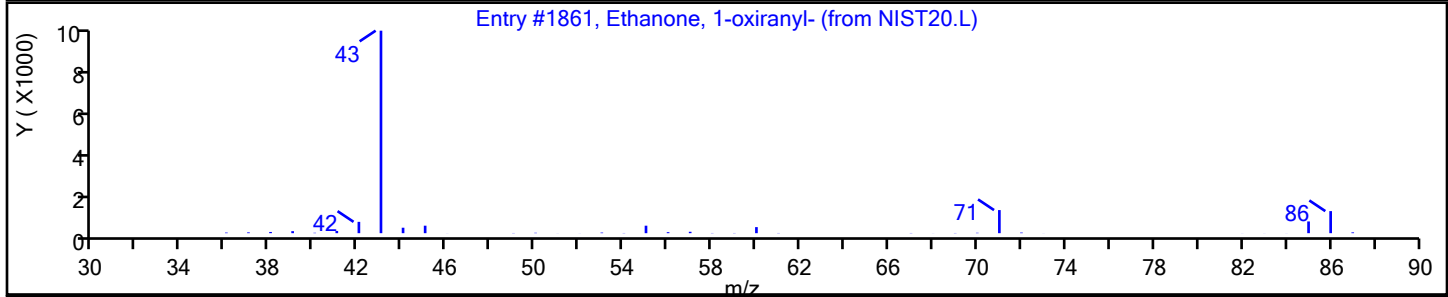
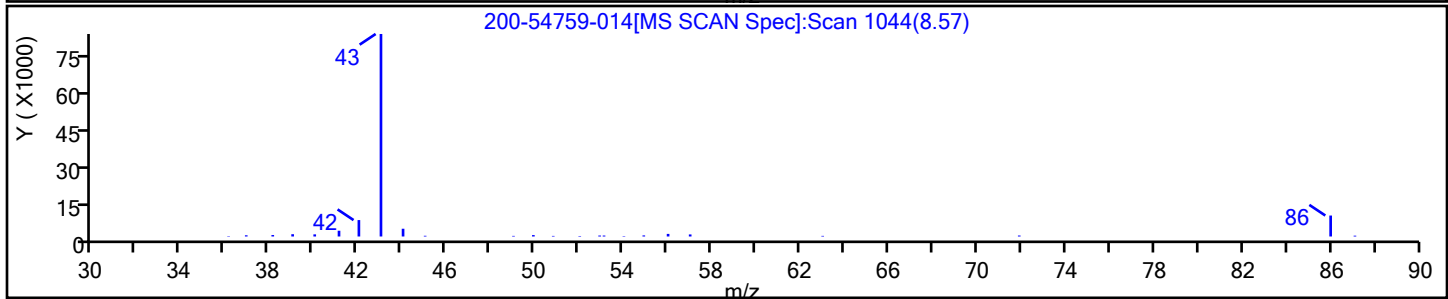
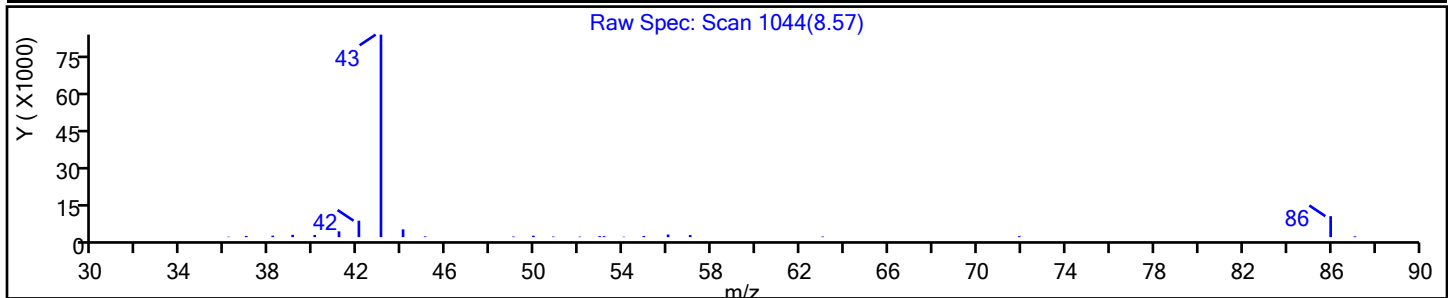
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Unknown						
Ethanone, 1-oxiranyl-	4401-11-0	NIST20.L	1861	C4H6O2	86	50
Acetic acid ethenyl ester	108-05-4	NIST20.L	1857	C4H6O2	86	45
2,3-Butanedione	431-03-8	NIST20.L	1854	C4H6O2	86	9



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

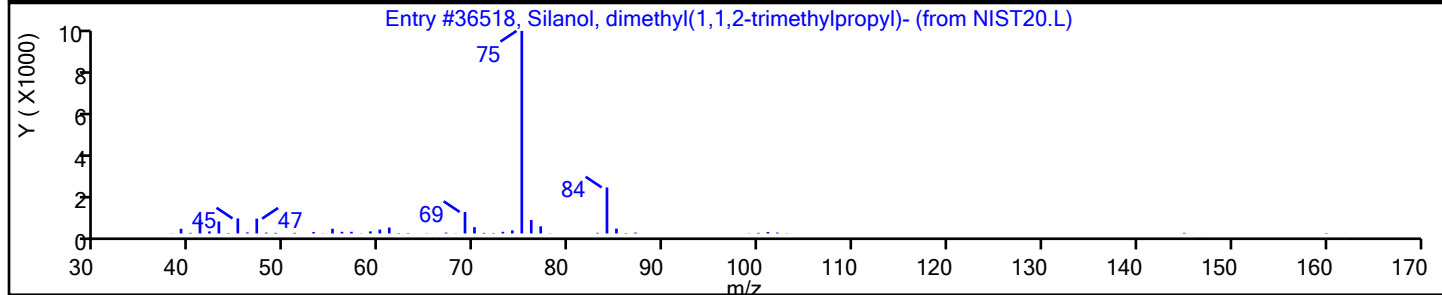
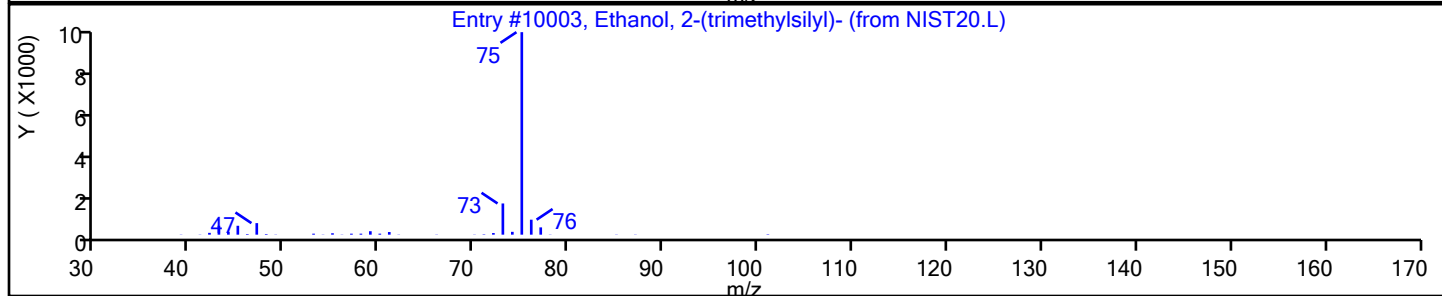
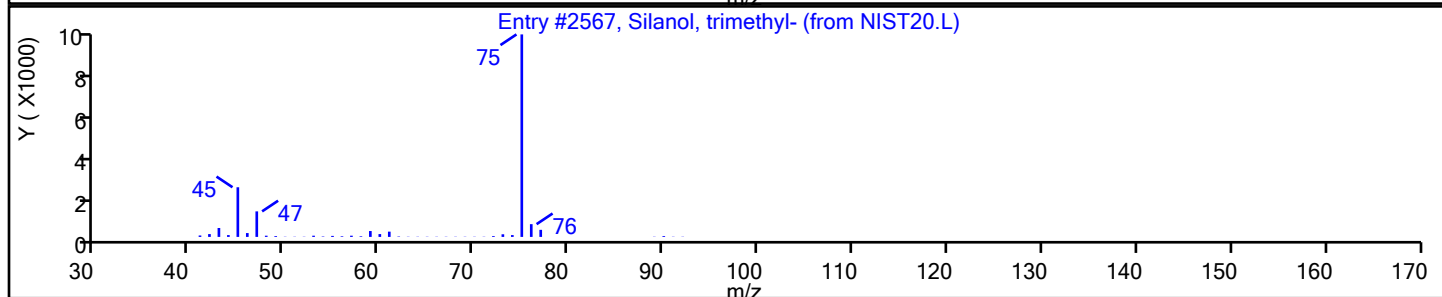
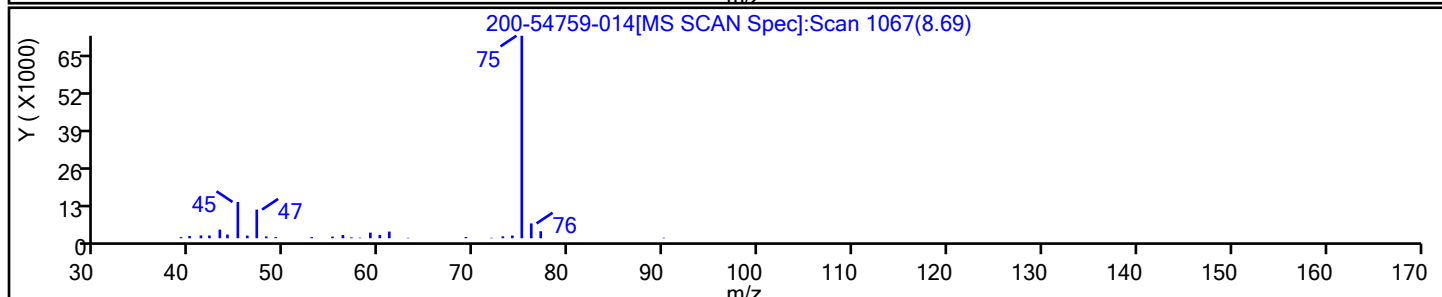
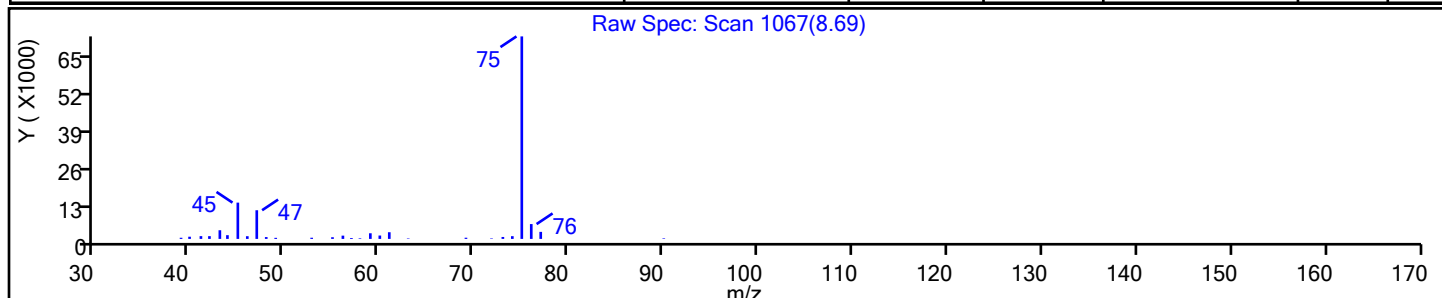
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector: MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Silanol, trimethyl-	1066-40-6	NIST20.L	2567	C3H10OSi	90	90
Ethanol, 2-(trimethylsilyl)-	2916-68-9	NIST20.L	10003	C5H14OSi	118	64
Silanol, dimethyl(1,1,2-trimethylpropyl)-	55644-10-5	NIST20.L	36518	C8H20OSi	160	9



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

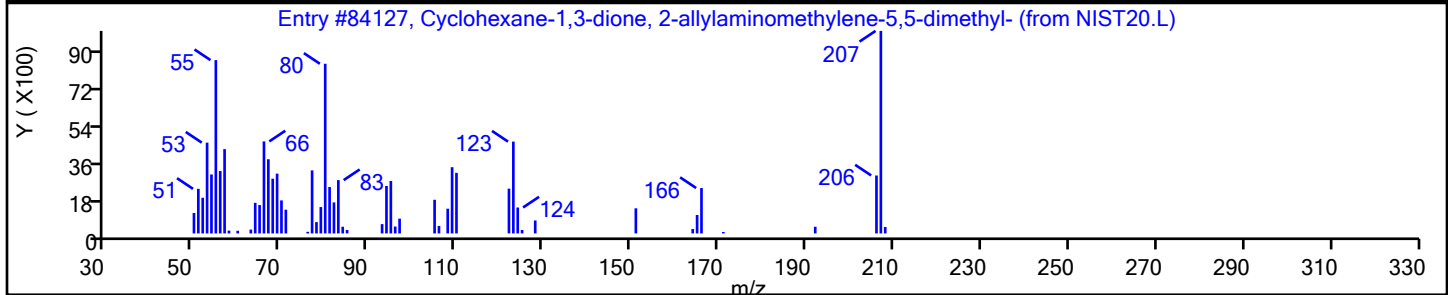
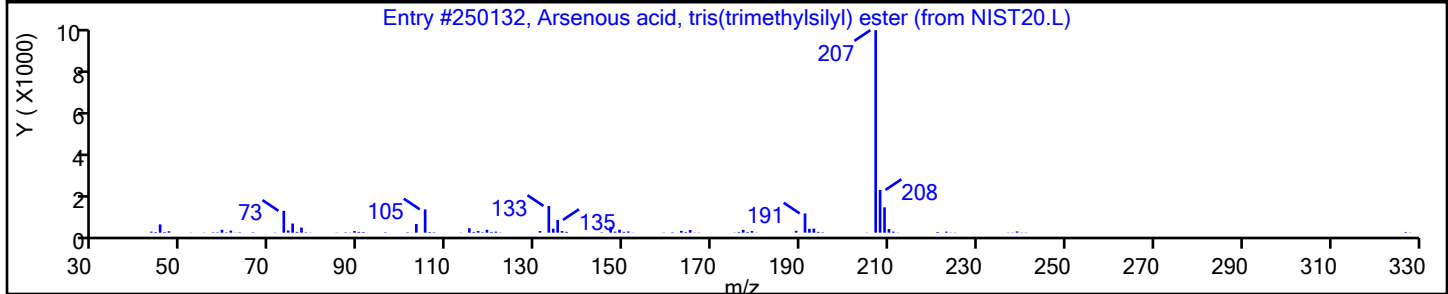
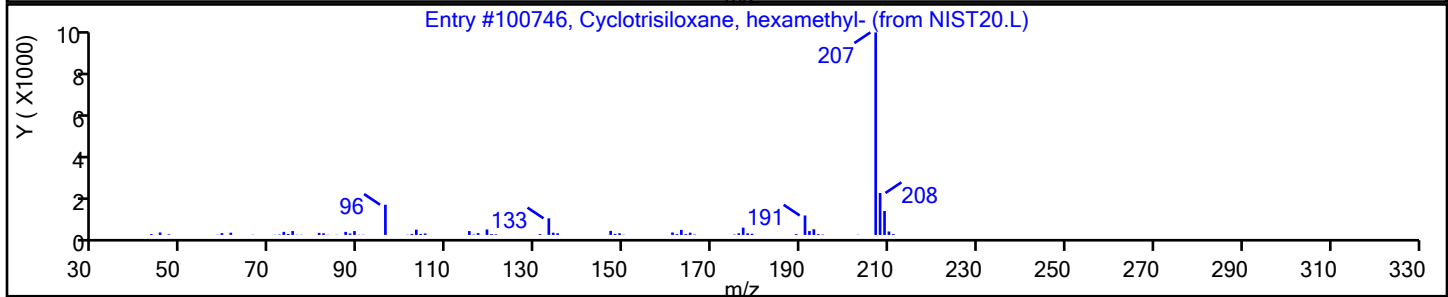
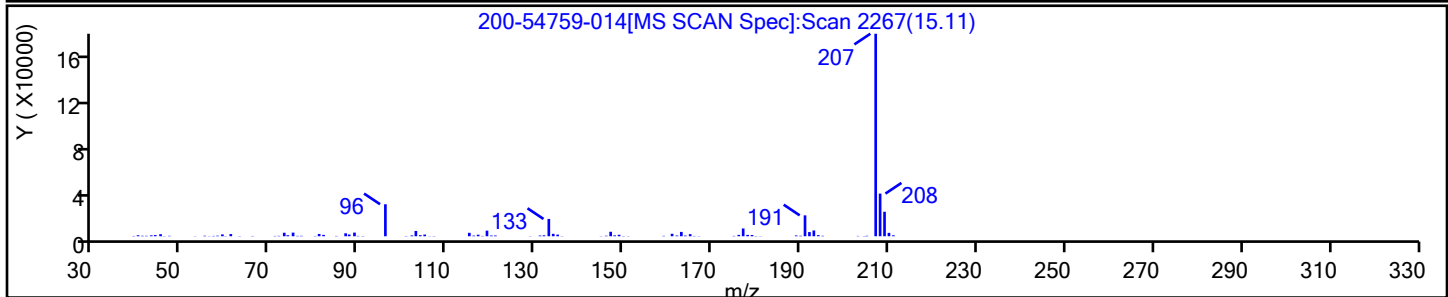
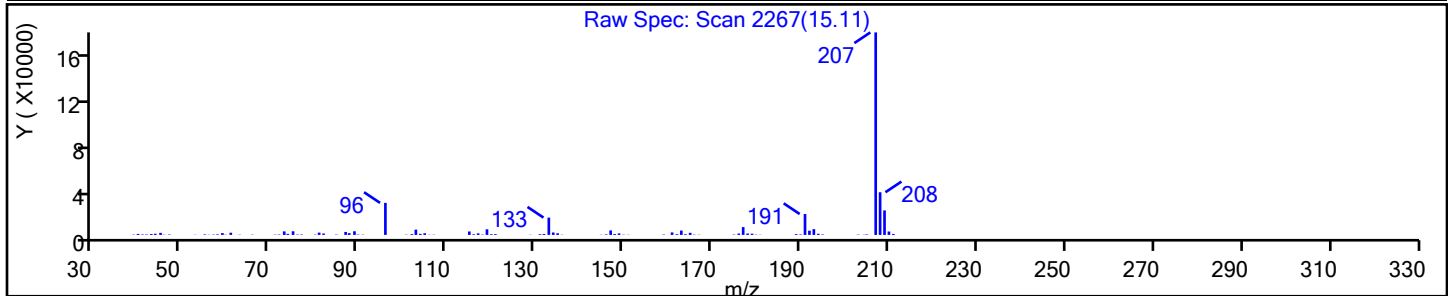
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST20.L	100746	C ₆ H ₁₈ O ₃ Si ₃	222	91
Arsenous acid, tris(trimethylsilyl) ester	55429-29-3	NIST20.L	250132	C ₉ H ₂₇ AsO ₃ Si ₃	342	72
Cyclohexane-1,3-dione, 2-allylaminomethylene-5,5	104926-37-6	NIST20.L	84127	C ₁₂ H ₁₇ NO ₂	207	43



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

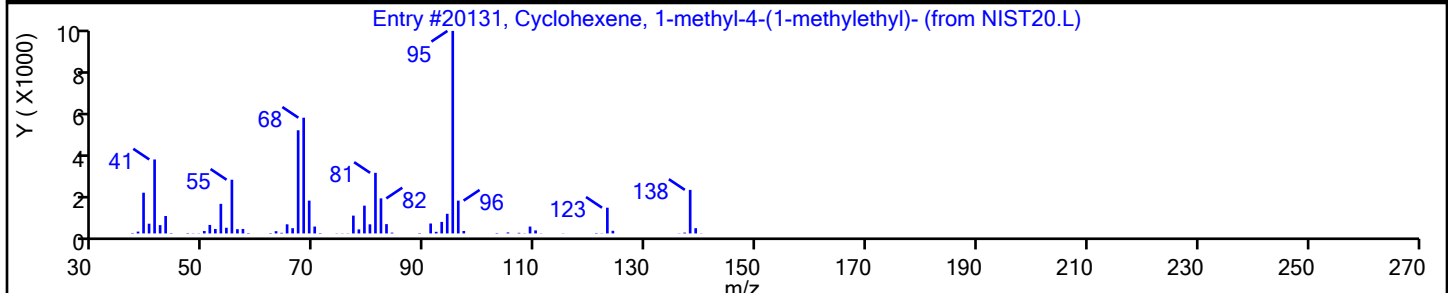
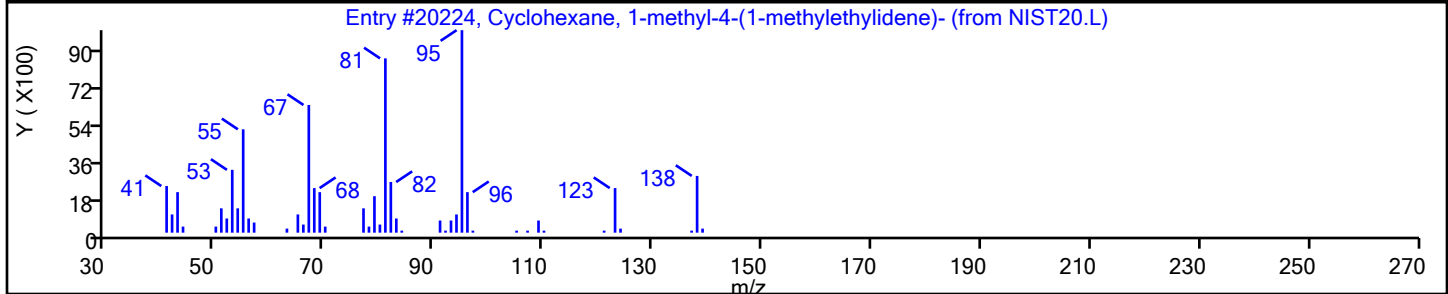
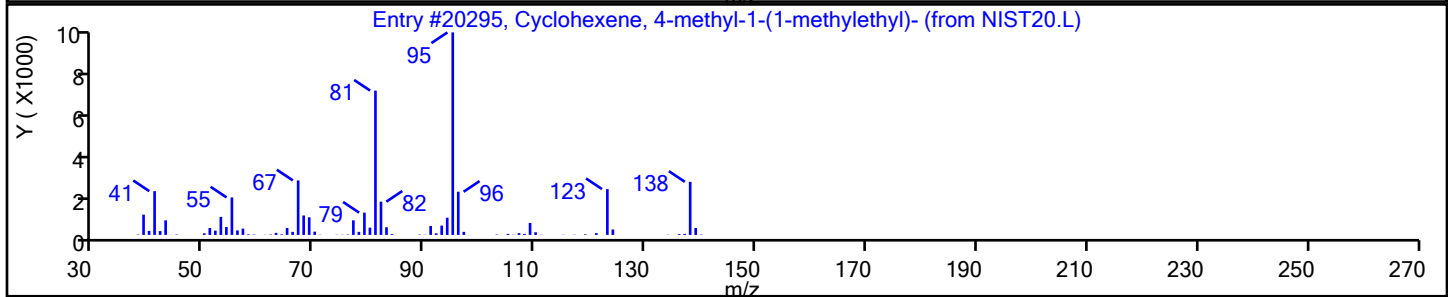
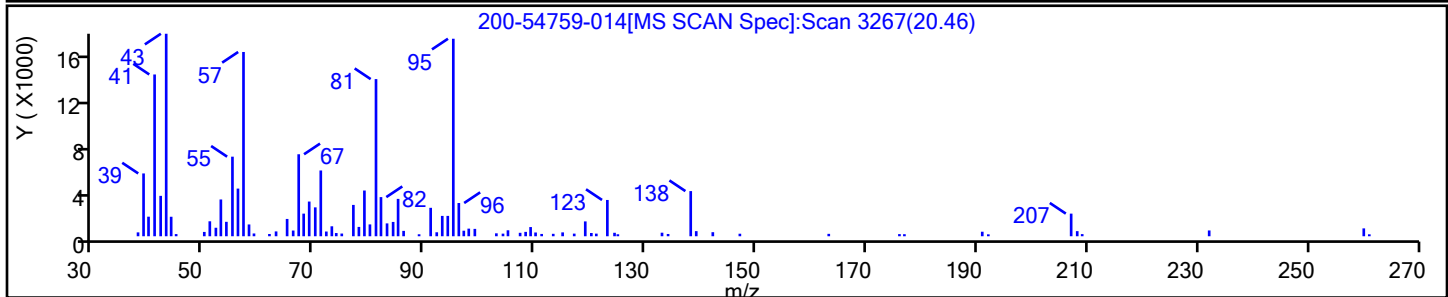
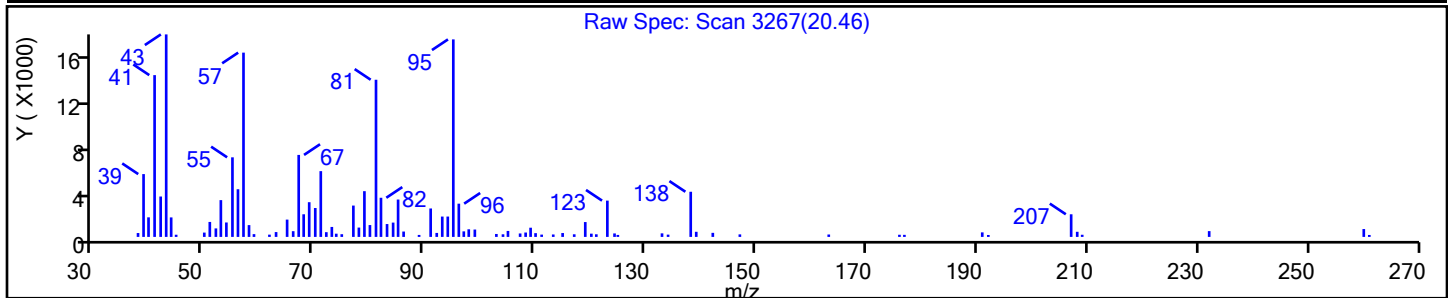
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector: MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Cyclohexene, 4-methyl-1-(1-methylethyl)-	500-00-5	NIST20.L	20295	C10H18	138	95
Cyclohexane, 1-methyl-4-(1-methylethylidene)-	1124-27-2	NIST20.L	20224	C10H18	138	90
Cyclohexene, 1-methyl-4-(1-methylethyl)-	5502-88-5	NIST20.L	20131	C10H18	138	60



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

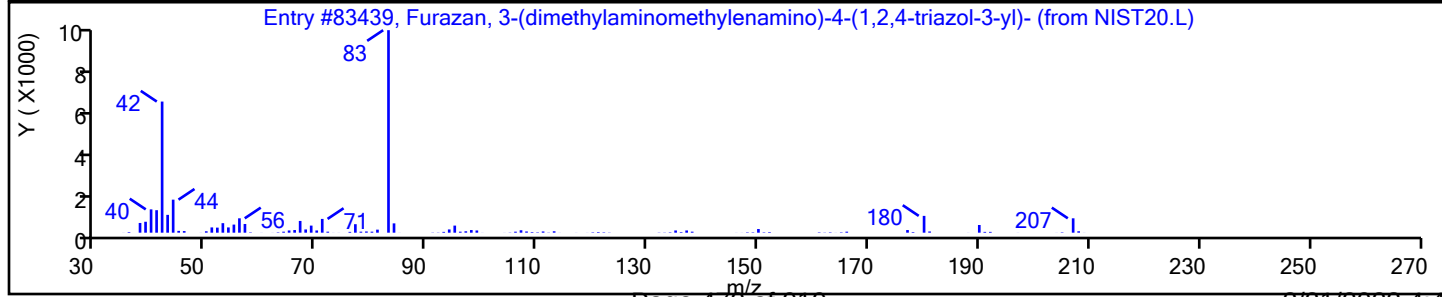
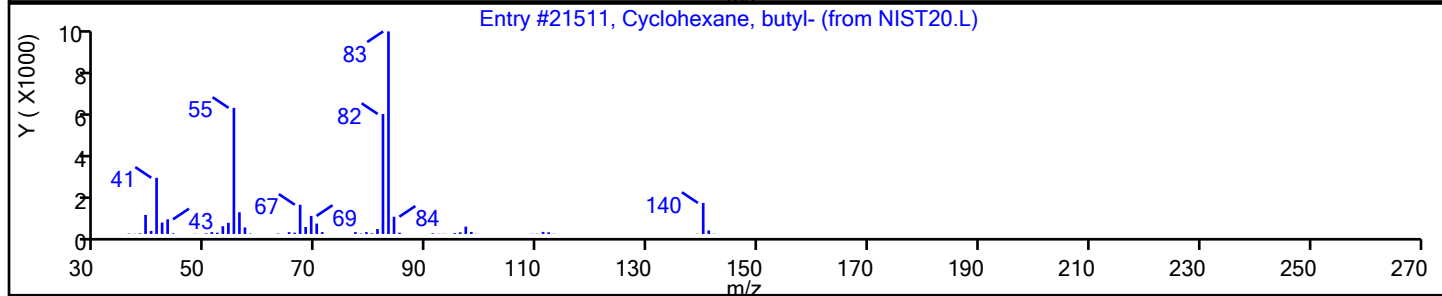
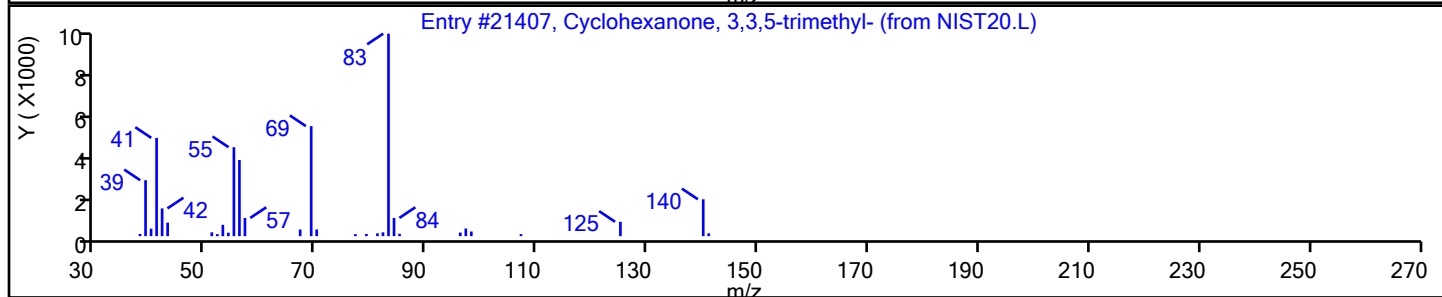
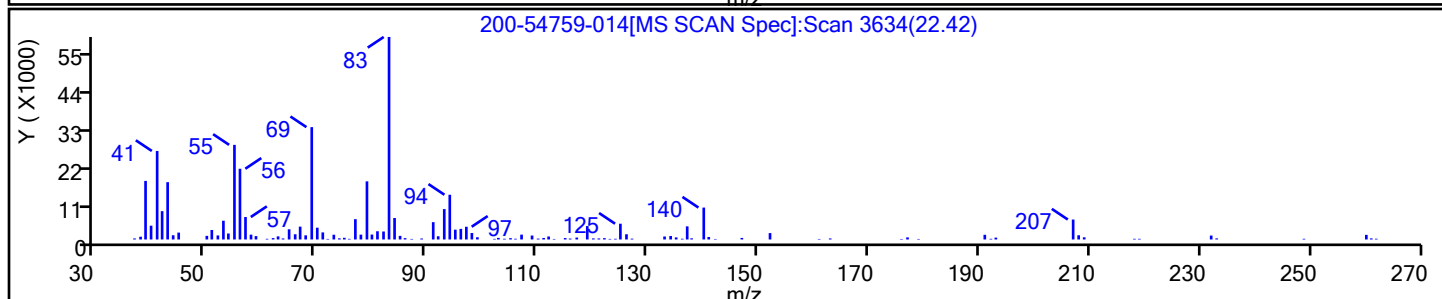
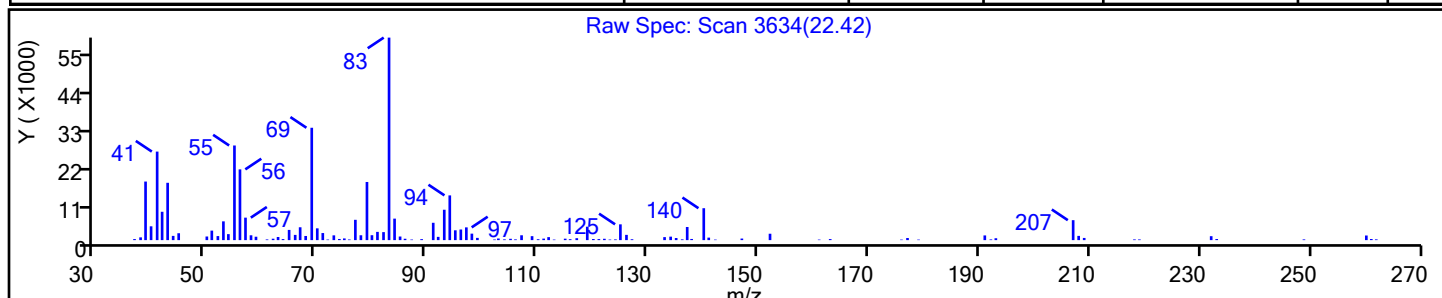
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Cyclohexanone, 3,3,5-trimethyl-	873-94-9	NIST20.L	21407	C9H16O	140	92
Cyclohexane, butyl-	1678-93-9	NIST20.L	21511	C10H20	140	47
Furazan, 3-(dimethylaminomethylenamino)-4-(1,2,4	294667-75-7	NIST20.L	83439	C7H9N7O	207	43



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

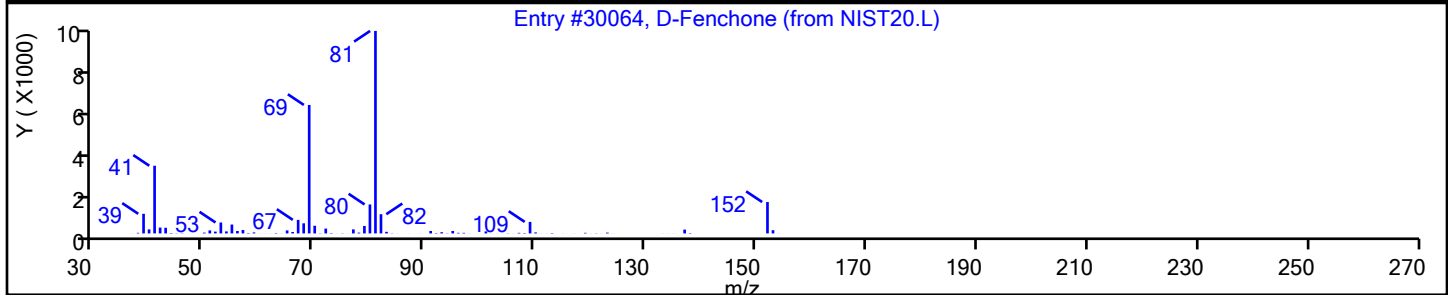
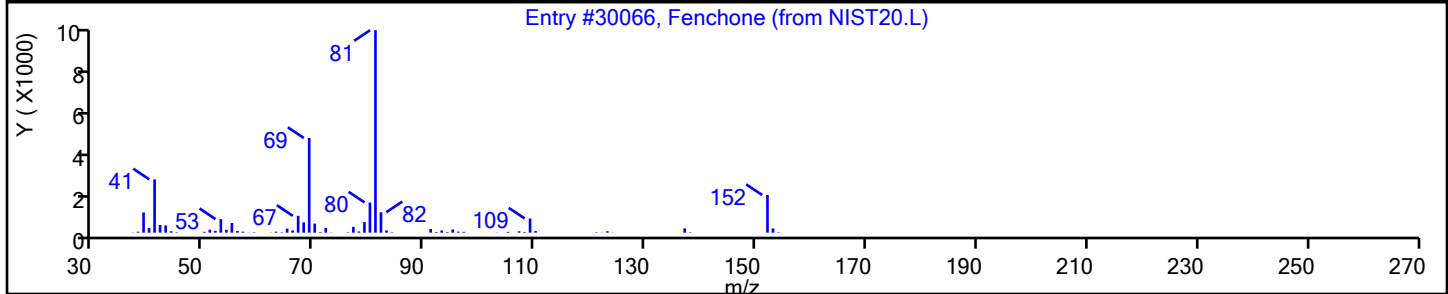
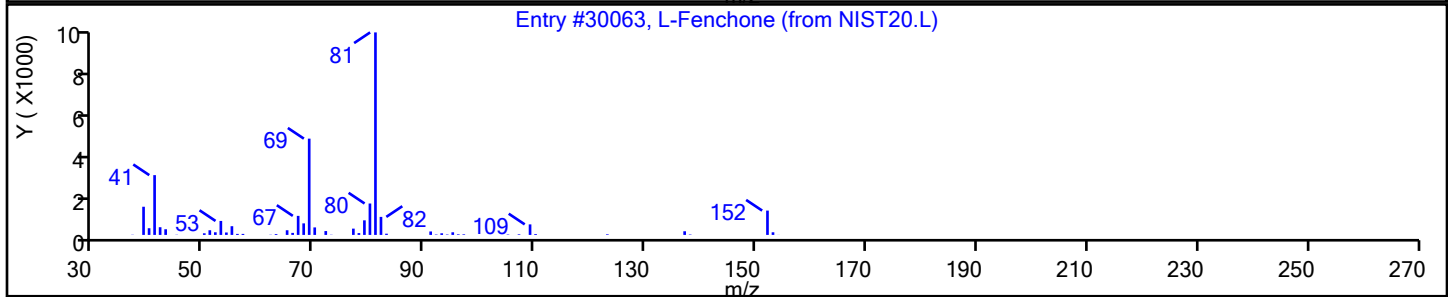
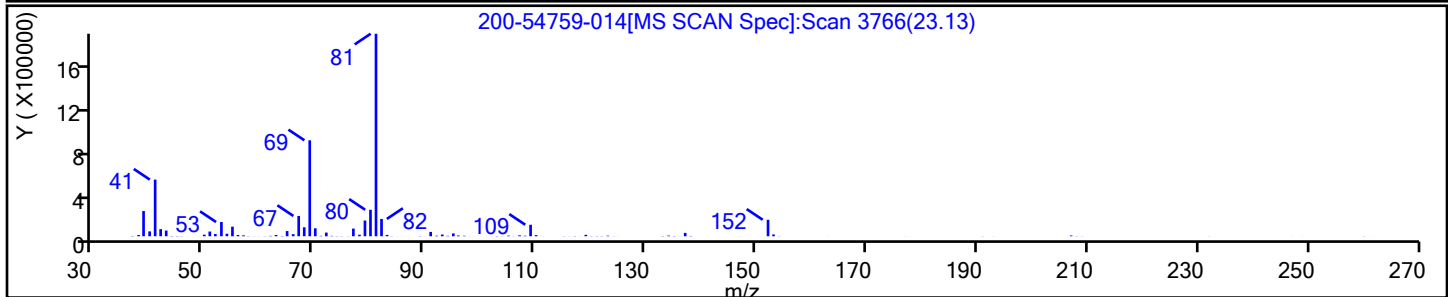
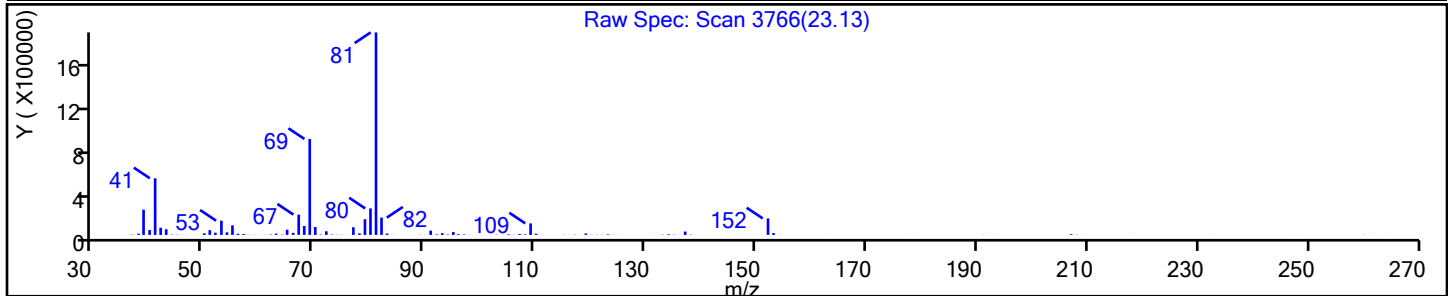
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
L-Fenchone	7787-20-4	NIST20.L	30063	C10H16O	152	95
Fenchone	1195-79-5	NIST20.L	30066	C10H16O	152	94
D-Fenchone	4695-62-9	NIST20.L	30064	C10H16O	152	91



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

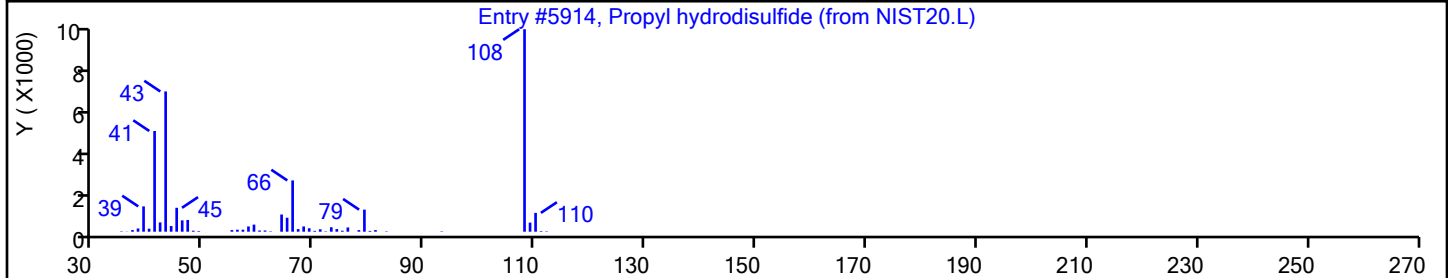
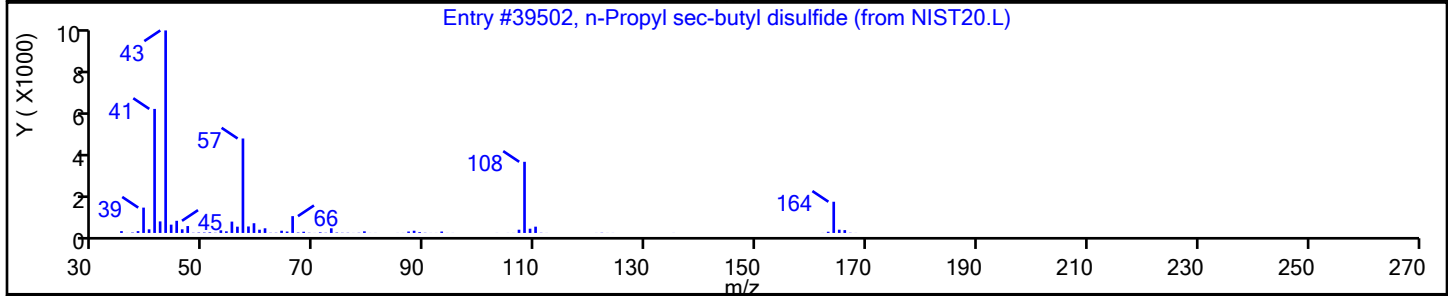
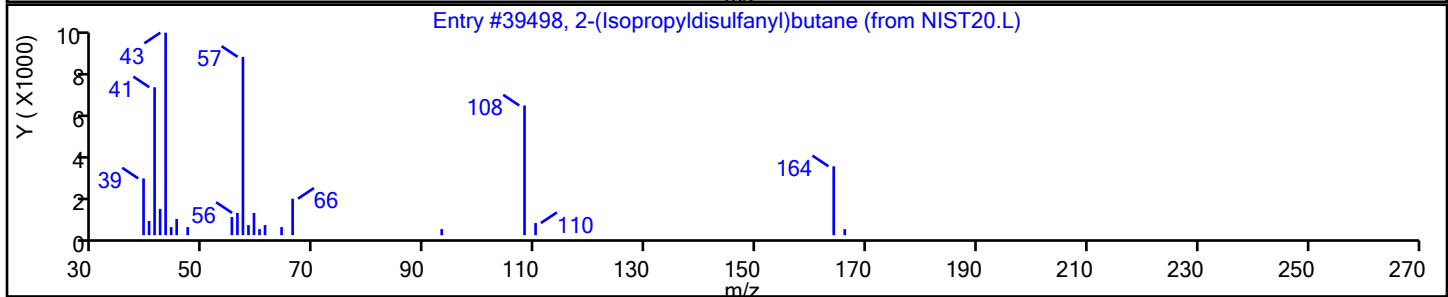
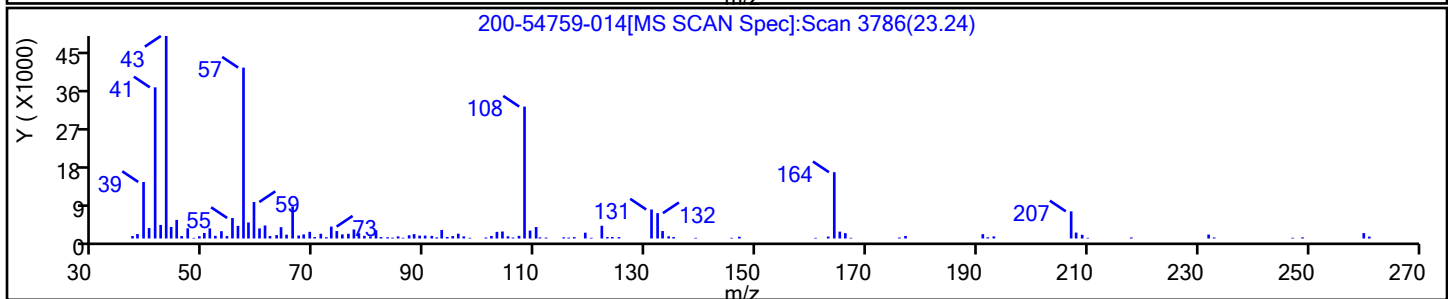
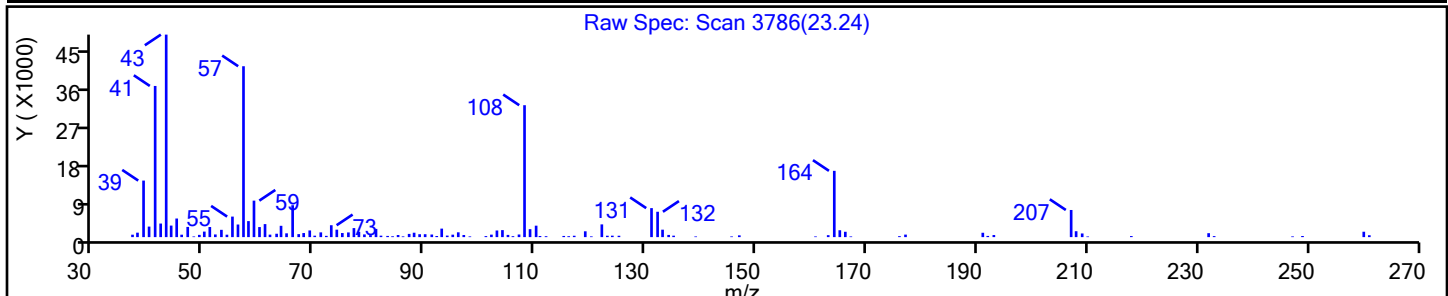
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector: MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Unknown						
2-(Isopropylidisulfanyl)butane	67421-86-7	NIST20.L	39498	C7H16S2	164	76
n-Propyl sec-butyl disulfide	59849-54-6	NIST20.L	39502	C7H16S2	164	58
Propyl hydrodisulfide	137363-84-9	NIST20.L	5914	C3H8S2	108	42



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

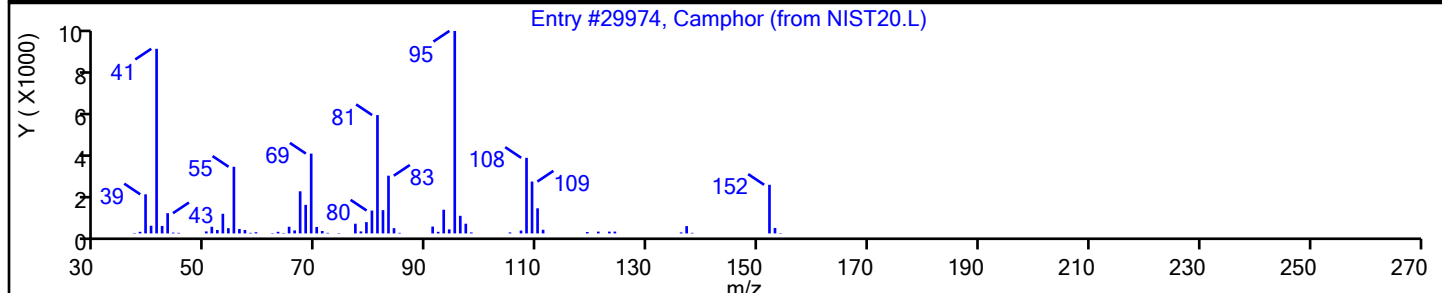
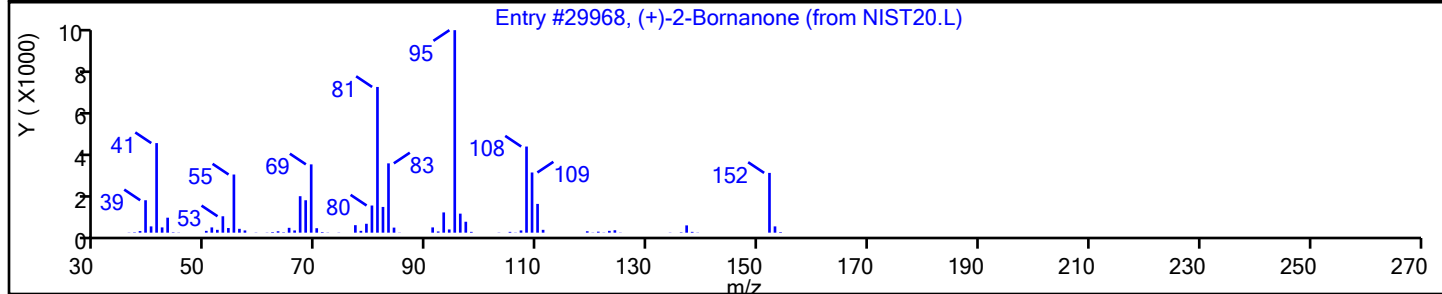
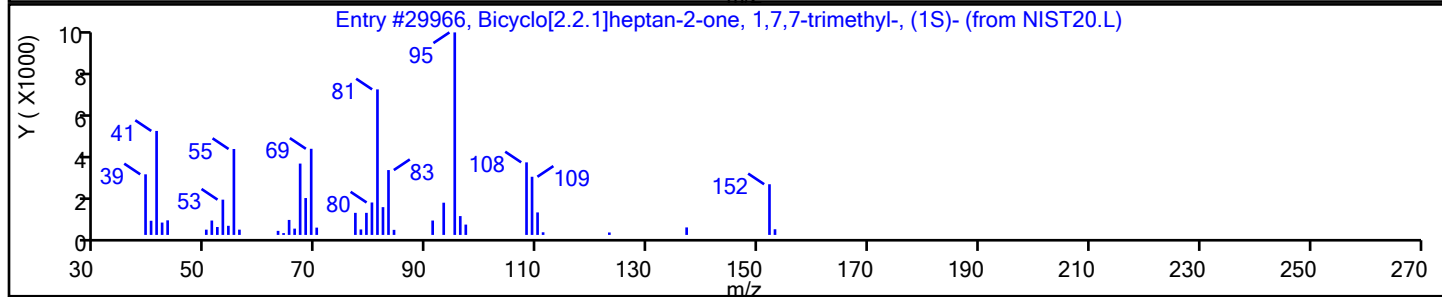
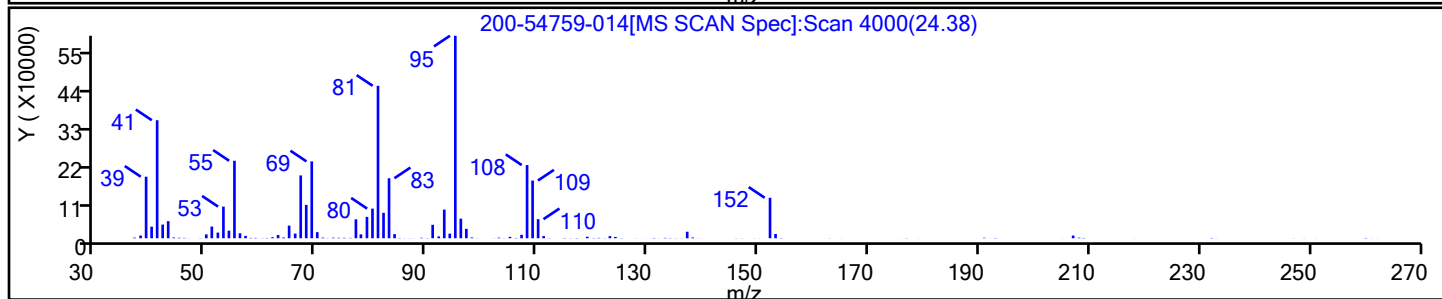
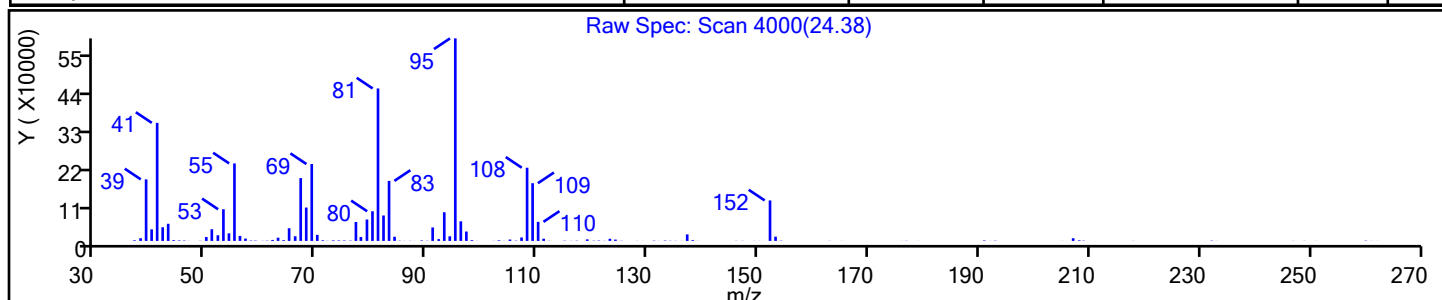
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1	464-48-2	NIST20.L	29966	C10H16O	152	98
(+)-2-Bornanone	464-49-3	NIST20.L	29968	C10H16O	152	97
Camphor	76-22-2	NIST20.L	29974	C10H16O	152	96



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

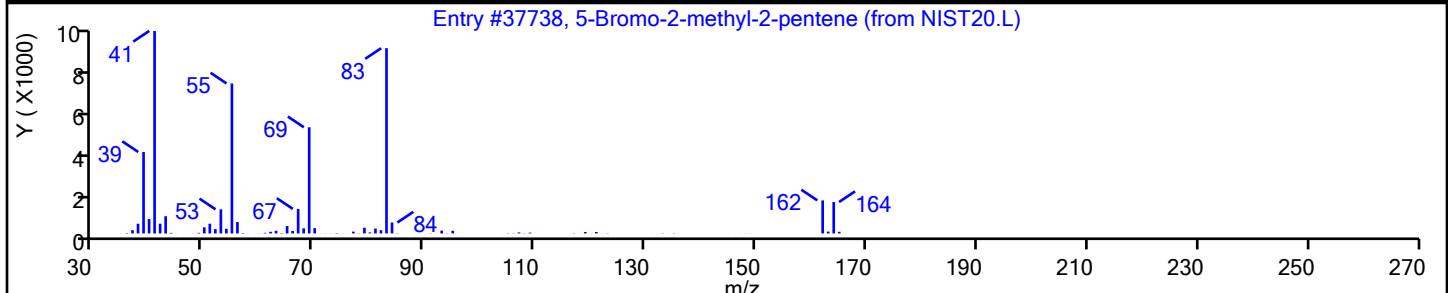
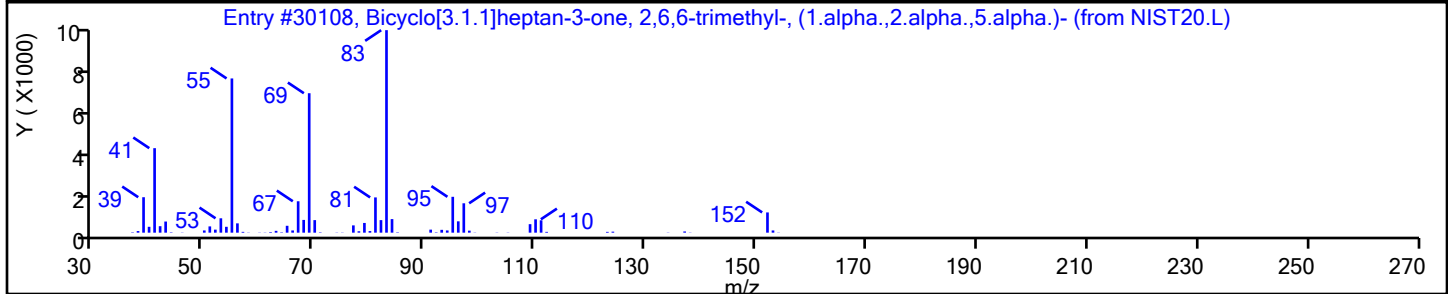
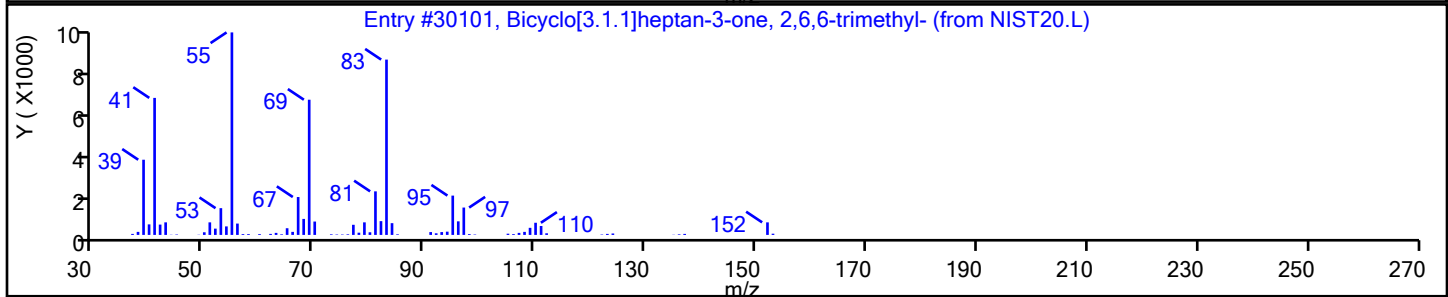
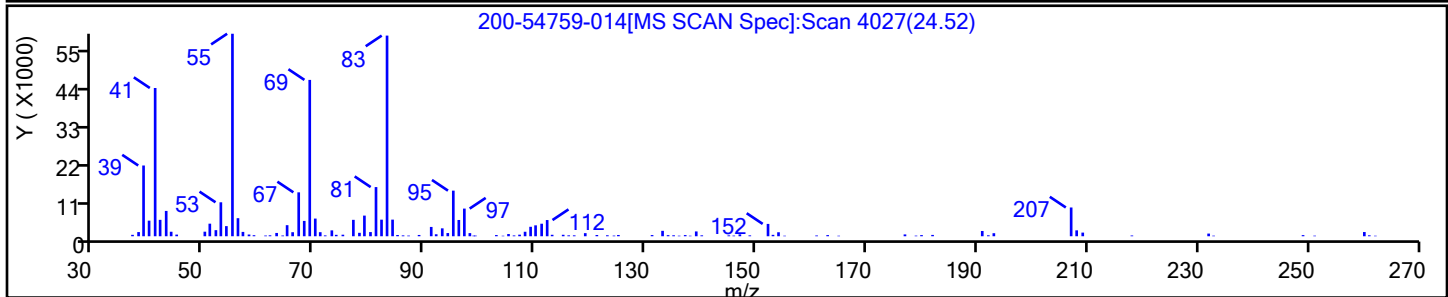
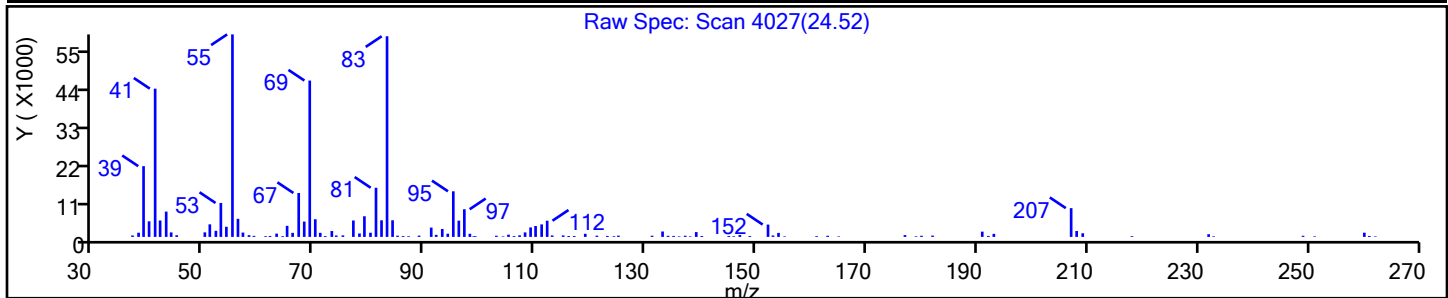
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-	18358-53-7	NIST20.L	30101	C10H16O	152	96
Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-, (1	547-60-4	NIST20.L	30108	C10H16O	152	87
5-Bromo-2-methyl-2-pentene	2270-59-9	NIST20.L	37738	C6H11Br	162	59



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-014.D

Injection Date: 20-Mar-2023 18:45:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-6

Lab Sample ID: 200-67137-6

Client ID: AMBIENT

Operator ID: vtp

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

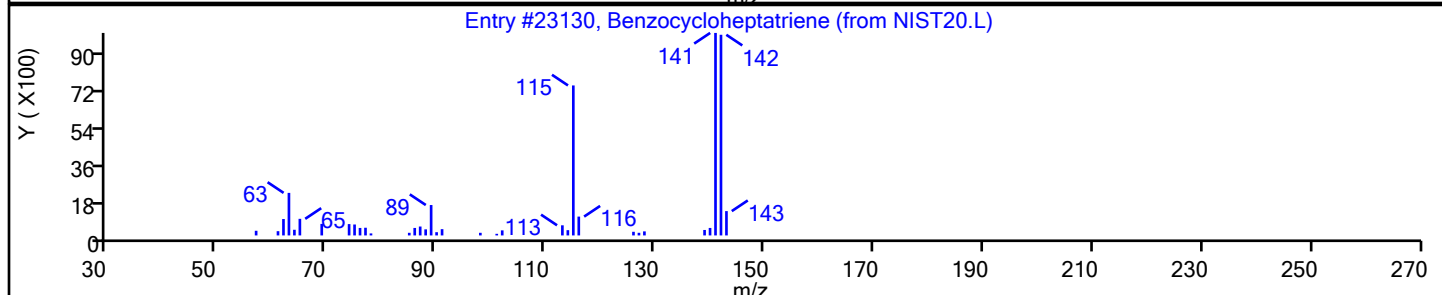
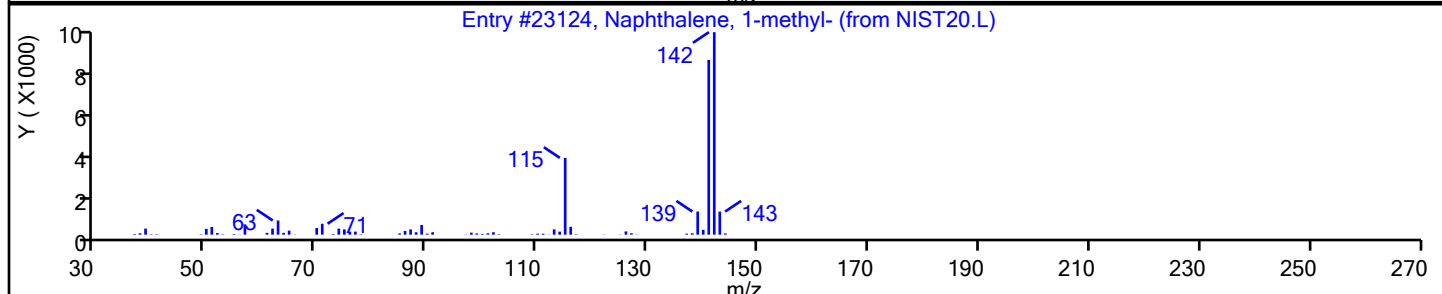
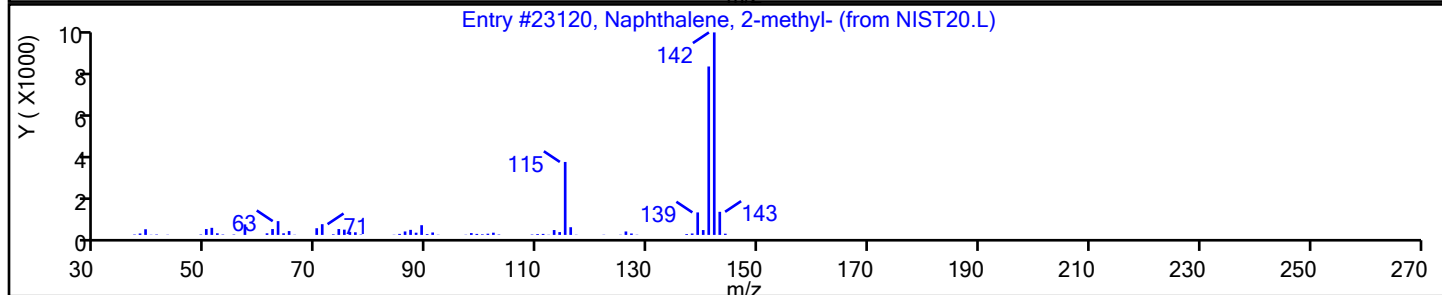
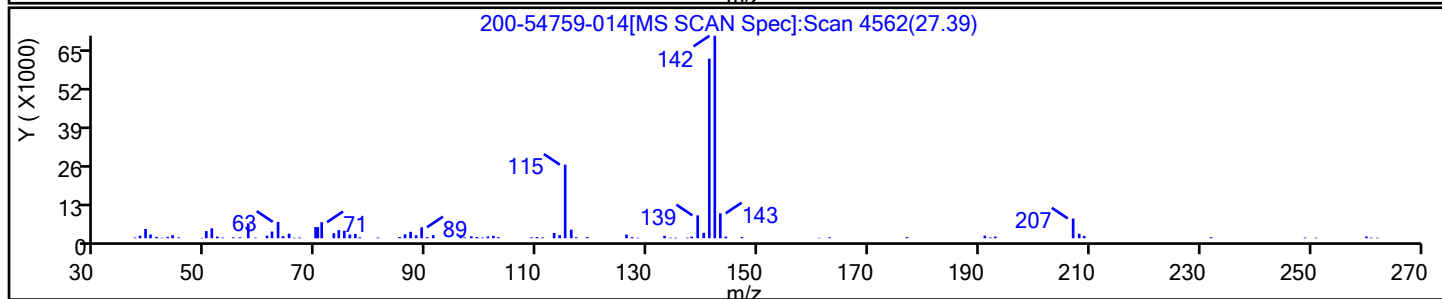
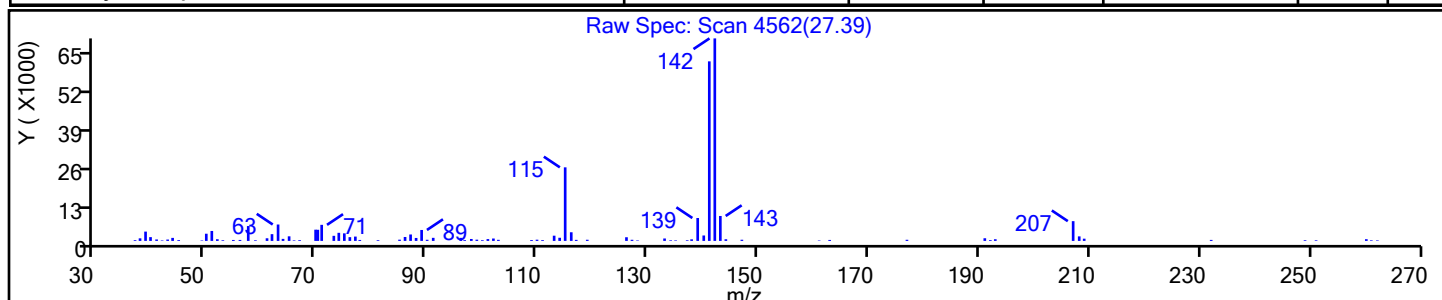
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Naphthalene, 2-methyl-	91-57-6	NIST20.L	23120	C11H10	142	96
Naphthalene, 1-methyl-	90-12-0	NIST20.L	23124	C11H10	142	96
Benzocycloheptatriene	264-09-5	NIST20.L	23130	C11H10	142	93



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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-12</u>	Lab Sample ID: <u>200-67137-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 10:40</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 12:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	1.1
75-45-6	Freon 22	86.47	5.0	U	5.0	1.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	0.48
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.5
106-97-8	n-Butane	58.12	5.0	U	5.0	2.0
75-01-4	Vinyl chloride	62.50	0.78	U	0.78	0.21
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.39
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.71
75-00-3	Chloroethane	64.52	5.0	U	5.0	1.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	0.50
75-69-4	Trichlorofluoromethane	137.37	2.0	U	2.0	0.50
76-13-1	Freon TF	187.38	2.0	U	2.0	0.53
75-35-4	1,1-Dichloroethene	96.94	0.35	U	0.35	0.26
67-64-1	Acetone	58.08	50	U	50	16
67-63-0	Isopropyl alcohol	60.10	50	U	50	16
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	1.3
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	1.2
75-09-2	Methylene Chloride	84.93	5.0	U	5.0	1.8
75-65-0	tert-Butyl alcohol	74.12	50	U	50	12
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.23
110-54-3	n-Hexane	86.17	5.0	U	5.0	1.1
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.25
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	0.50	U	0.50	0.21
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.21
67-66-3	Chloroform	119.38	2.0	U	2.0	0.41
109-99-9	Tetrahydrofuran	72.11	50	U	50	13
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.44
110-82-7	Cyclohexane	84.16	2.0	U	2.0	0.58
56-23-5	Carbon tetrachloride	153.81	0.35	U	0.35	0.22
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.38

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-12</u>	Lab Sample ID: <u>200-67137-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 10:40</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 12:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	2.0	U	2.0	0.44
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.93
142-82-5	n-Heptane	100.21	2.0	U	2.0	0.55
79-01-6	Trichloroethene	131.39	0.35	U	0.35	0.25
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	1.4
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.94
123-91-1	1,4-Dioxane	88.11	50	U	50	13
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.50
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.45
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	1.3
108-88-3	Toluene	92.14	0.61	J	2.0	0.42
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.54
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.74
127-18-4	Tetrachloroethene	165.83	2.0	U	2.0	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	1.5
124-48-1	Dibromochloromethane	208.28	2.0	U	2.0	0.63
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.42
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.44
100-41-4	Ethylbenzene	106.17	0.57	J	2.0	0.52
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.95
95-47-6	Xylene, o-	106.17	0.59	J	2.0	0.52
1330-20-7	Xylene (total)	106.17	0.59	J	7.0	0.52
100-42-5	Styrene	104.15	2.0	U	2.0	0.59
75-25-2	Bromoform	252.75	2.0	U	2.0	1.2
98-82-8	Cumene	120.19	2.0	U	2.0	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.43
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.47
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.47
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.46
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.80

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-12</u>	Lab Sample ID: <u>200-67137-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 10:40</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 12:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.45
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.61
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.74
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.89
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.88
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	1.1
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.66
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	3.3
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	1.1
91-20-3	Naphthalene	128.17	5.0	U	5.0	3.0
87-61-6	1,2,3-Trichlorobenzene	181.40	5.0	U	5.0	3.2

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-12</u>	Lab Sample ID: <u>200-67137-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 10:40</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 12:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	5.4
75-45-6	Freon 22	86.47	18	U	18	4.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	3.4
74-87-3	Chloromethane	50.49	10	U	10	3.1
106-97-8	n-Butane	58.12	12	U	12	4.8
75-01-4	Vinyl chloride	62.50	2.0	U	2.0	0.54
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.86
74-83-9	Bromomethane	94.94	7.8	U	7.8	2.8
75-00-3	Chloroethane	64.52	13	U	13	4.7
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	2.2
75-69-4	Trichlorofluoromethane	137.37	11	U	11	2.8
76-13-1	Freon TF	187.38	15	U	15	4.1
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	1.0
67-64-1	Acetone	58.08	120	U	120	38
67-63-0	Isopropyl alcohol	60.10	120	U	120	39
75-15-0	Carbon disulfide	76.14	16	U	16	4.0
107-05-1	3-Chloropropene	76.53	16	U	16	3.8
75-09-2	Methylene Chloride	84.93	17	U	17	6.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	36
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	1.3
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	0.91
110-54-3	n-Hexane	86.17	18	U	18	3.9
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.0
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	14
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.83
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	0.83
67-66-3	Chloroform	119.38	9.8	U	9.8	2.0
109-99-9	Tetrahydrofuran	72.11	150	U	150	38
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	2.4
110-82-7	Cyclohexane	84.16	6.9	U	6.9	2.0
56-23-5	Carbon tetrachloride	153.81	2.2	U	2.2	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.8

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-12</u>	Lab Sample ID: <u>200-67137-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 10:40</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 12:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	6.4	U	6.4	1.4
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	3.8
142-82-5	n-Heptane	100.21	8.2	U	8.2	2.3
79-01-6	Trichloroethene	131.39	1.9	U	1.9	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	5.7
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	4.3
123-91-1	1,4-Dioxane	88.11	180	U	180	47
75-27-4	Bromodichloromethane	163.83	13	U	13	3.4
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	2.0
108-10-1	methyl isobutyl ketone	100.16	20	U	20	5.3
108-88-3	Toluene	92.14	2.3	J	7.5	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	2.5
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	4.0
127-18-4	Tetrachloroethene	165.83	14	U	14	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	6.1
124-48-1	Dibromochloromethane	208.28	17	U	17	5.4
106-93-4	1,2-Dibromoethane	187.87	15	U	15	3.2
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	2.0
100-41-4	Ethylbenzene	106.17	2.5	J	8.7	2.3
179601-23-1	m,p-Xylene	106.17	22	U	22	4.1
95-47-6	Xylene, o-	106.17	2.6	J	8.7	2.3
1330-20-7	Xylene (total)	106.17	2.6	J	30	2.3
100-42-5	Styrene	104.15	8.5	U	8.5	2.5
75-25-2	Bromoform	252.75	21	U	21	12
98-82-8	Cumene	120.19	9.8	U	9.8	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	3.0
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	2.3
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	2.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	2.4
98-06-6	tert-Butylbenzene	134.22	11	U	11	2.6
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	3.9

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: SG-12 Lab Sample ID: 200-67137-7
Matrix: Air Lab File ID: 200-54759-007.D
Analysis Method: TO-15 Date Collected: 03/02/2023 10:40
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 12:38
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	11	U	11	2.5
99-87-6	4-Isopropyltoluene	134.22	11	U	11	3.3
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	4.4
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	5.4
100-44-7	Benzyl chloride	126.58	10	U	10	4.6
104-51-8	n-Butylbenzene	134.22	11	U	11	6.0
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	4.0
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	24
87-68-3	Hexachlorobutadiene	260.76	21	U	21	12
91-20-3	Naphthalene	128.17	26	U	26	16
87-61-6	1,2,3-Trichlorobenzene	181.40	37	U	37	24

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-12</u>	Lab Sample ID: <u>200-67137-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 10:40</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 12:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-007.D
 Lims ID: 200-67137-A-7
 Client ID: SG-12
 Sample Type: Client
 Inject. Date: 20-Mar-2023 12:38:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-007
 Misc. Info.: 67137-7
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:52:23 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: puangmaleek

Date: 21-Mar-2023 08:52:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.158	3.160	0.000	99	3463	0.0421	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	95	2580	0.0543	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50		3.458				ND	7
6 Vinyl chloride	62		3.656				ND	
7 Butane	43		3.661				ND	MU
8 Butadiene	54		3.730				ND	
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101		4.870				ND	7
18 1,1-Dichloroethene	96		5.763				ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.795				ND	
19 Acetone	43		5.827				ND	7
22 Isopropyl alcohol	45		6.084				ND	7
23 Carbon disulfide	76	6.154	6.147	0.011	94	1854	0.0232	
25 3-Chloro-1-propene	41		6.395				ND	7
26 Methylene Chloride	49		6.603				ND	7
27 2-Methyl-2-propanol	59		6.817				ND	7
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57		7.604				ND	MU
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.882	8.812	0.075	97	1283	0.1098	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	88	265473	10.0	
38 Tetrahydrofuran	42		9.315				ND	
39 Chloroform	83		9.422				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84		9.904				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117		10.043				ND	
44 Benzene	78	10.418	10.428	0.006	95	3966	0.0357	
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43		11.017				ND	7
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	94	1556480	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	7
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.328	14.328	0.000	96	4485	0.0608	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166		15.398				ND	7
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.190	17.190	0.000	89	1355976	10.0	
72 Chlorobenzene	112		17.254				ND	7
73 Ethylbenzene	91	17.469	17.468	0.001	97	9191	0.0574	
74 m-Xylene & p-Xylene	106	17.741	17.758	-0.011	0	1694	0.0310	
76 o-Xylene	106	18.565	18.565	0.005	97	3359	0.0590	
77 Styrene	104		18.597				ND	7
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	7
S 82 Xylenes, Total	106				0		0.0900	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.095				ND	7
84 2-Chlorotoluene	91		20.245				ND	7
85 4-Ethyltoluene	105		20.309				ND	
86 1,3,5-Trimethylbenzene	105	20.411	20.411	0.000	88	1554	0.0130	
89 tert-Butylbenzene	119		20.914				ND	MU
90 1,2,4-Trimethylbenzene	105	20.999	21.011	-0.006	75	4678	0.0386	
91 sec-Butylbenzene	105	21.256	21.263	0.000	92	2161	0.0131	
92 1,3-Dichlorobenzene	146	21.422	21.422	0.000	91	2062	0.0242	
93 4-Isopropyltoluene	119	21.486	21.481	0.005	92	2116	0.0164	
94 1,4-Dichlorobenzene	146	21.577	21.572	0.005	87	2425	0.0282	
95 Benzyl chloride	91		21.721				ND	7
97 n-Butylbenzene	91	22.053	22.048	0.005	96	2670	0.0209	
96 1,2-Dichlorobenzene	146	22.069	22.069	0.000	92	3228	0.0397	
100 1,2,4-Trichlorobenzene	180	24.525	24.527	0.006	92	5864	0.0986	
101 Hexachlorobutadiene	225	24.776	24.784	0.000	77	1383	0.0267	
102 Naphthalene	128	24.996	25.003	0.001	97	20950	0.1574	
103 1,2,3-Trichlorobenzene	180	25.408	25.402	0.006	94	5550	0.1145	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

[Reagents:](#)

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-007.D

Injection Date: 20-Mar-2023 12:38:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-7

Lab Sample ID: 200-67137-7

Worklist Smp#: 7

Client ID: SG-12

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

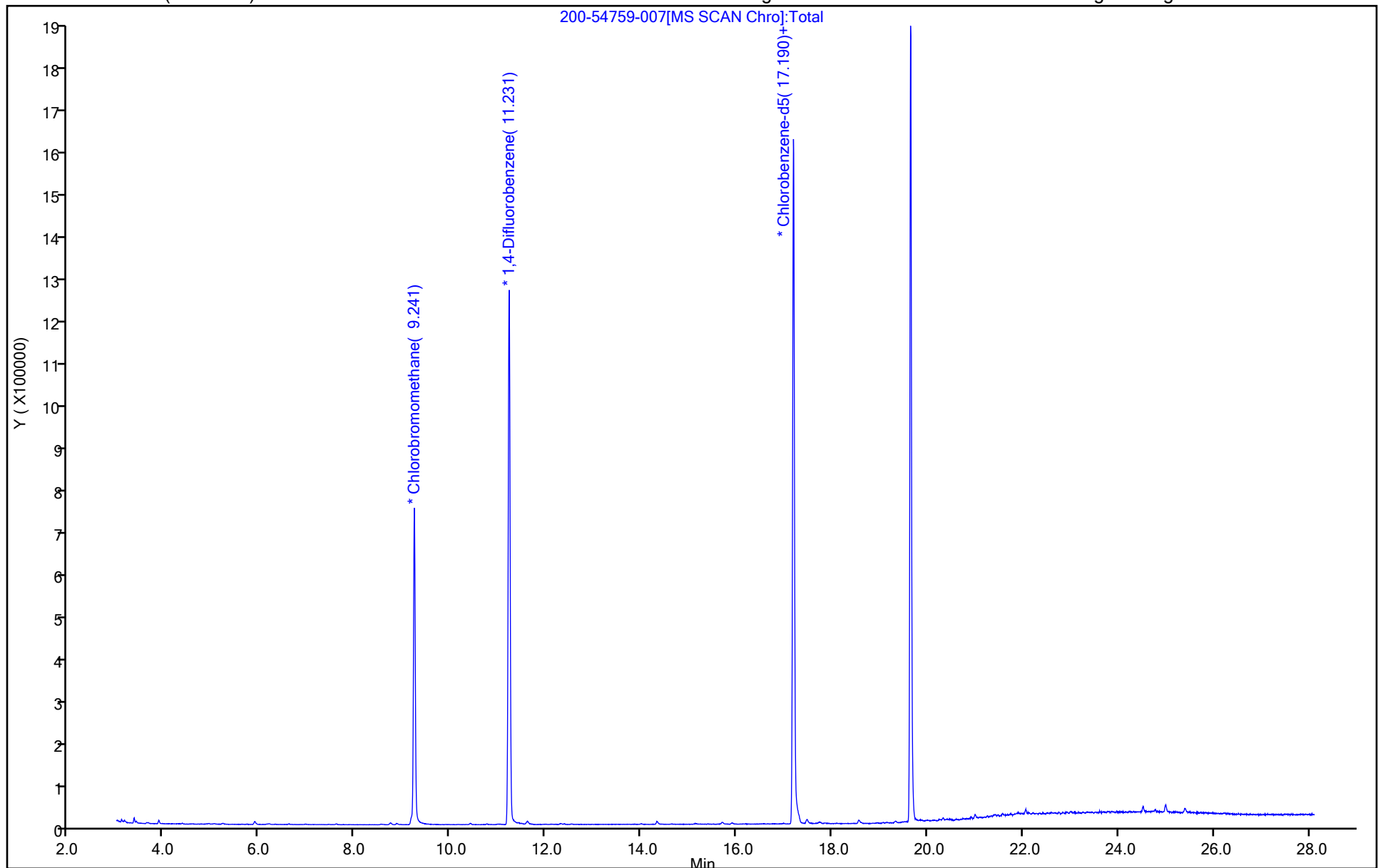
ALS Bottle#: 6

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-007.D

Injection Date: 20-Mar-2023 12:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-7

Lab Sample ID: 200-67137-7

Client ID: SG-12

Operator ID: vtp

ALS Bottle#: 6

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

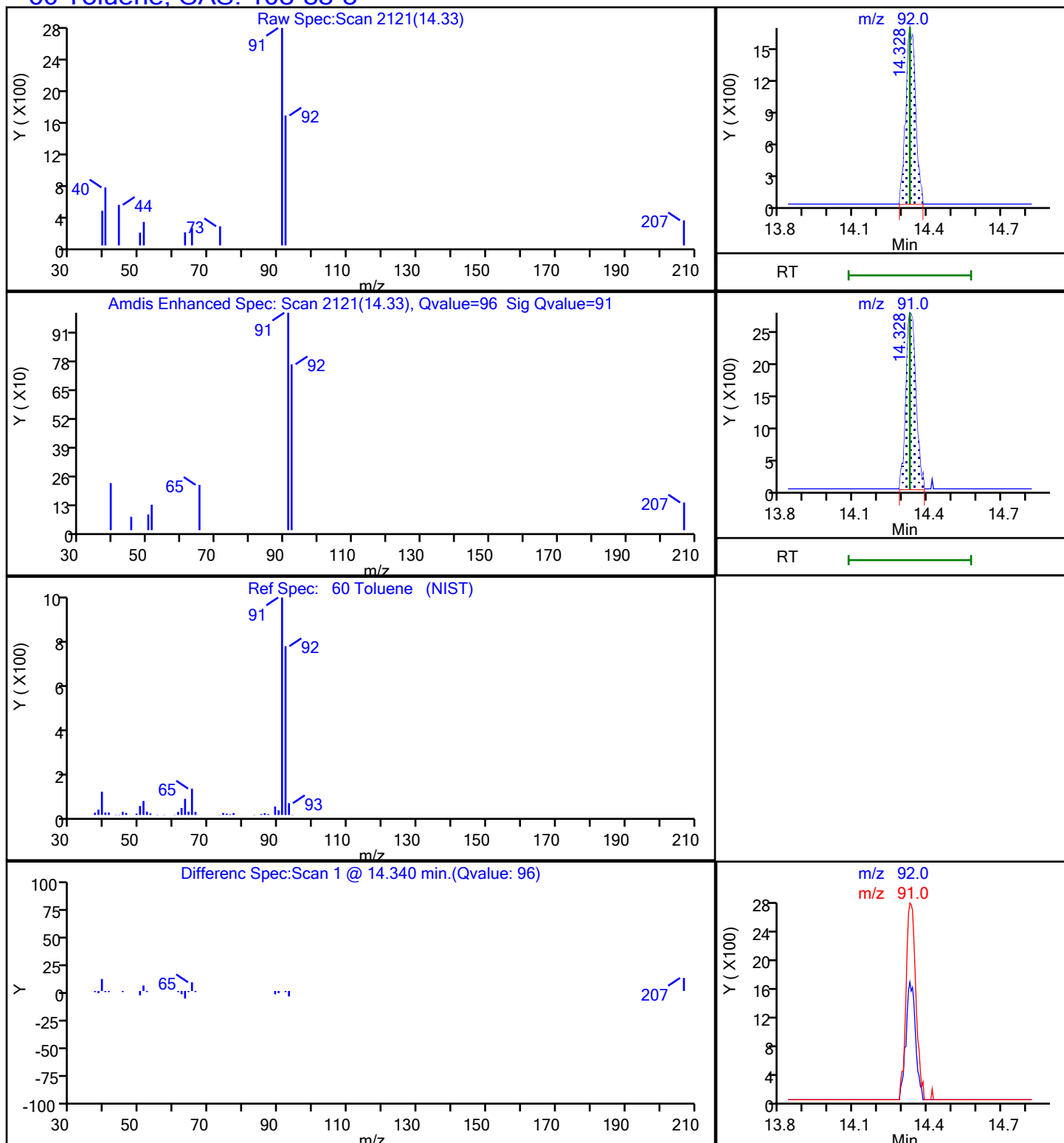
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-007.D

Injection Date: 20-Mar-2023 12:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-7

Lab Sample ID: 200-67137-7

Client ID: SG-12

Operator ID: vtp

ALS Bottle#: 6

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

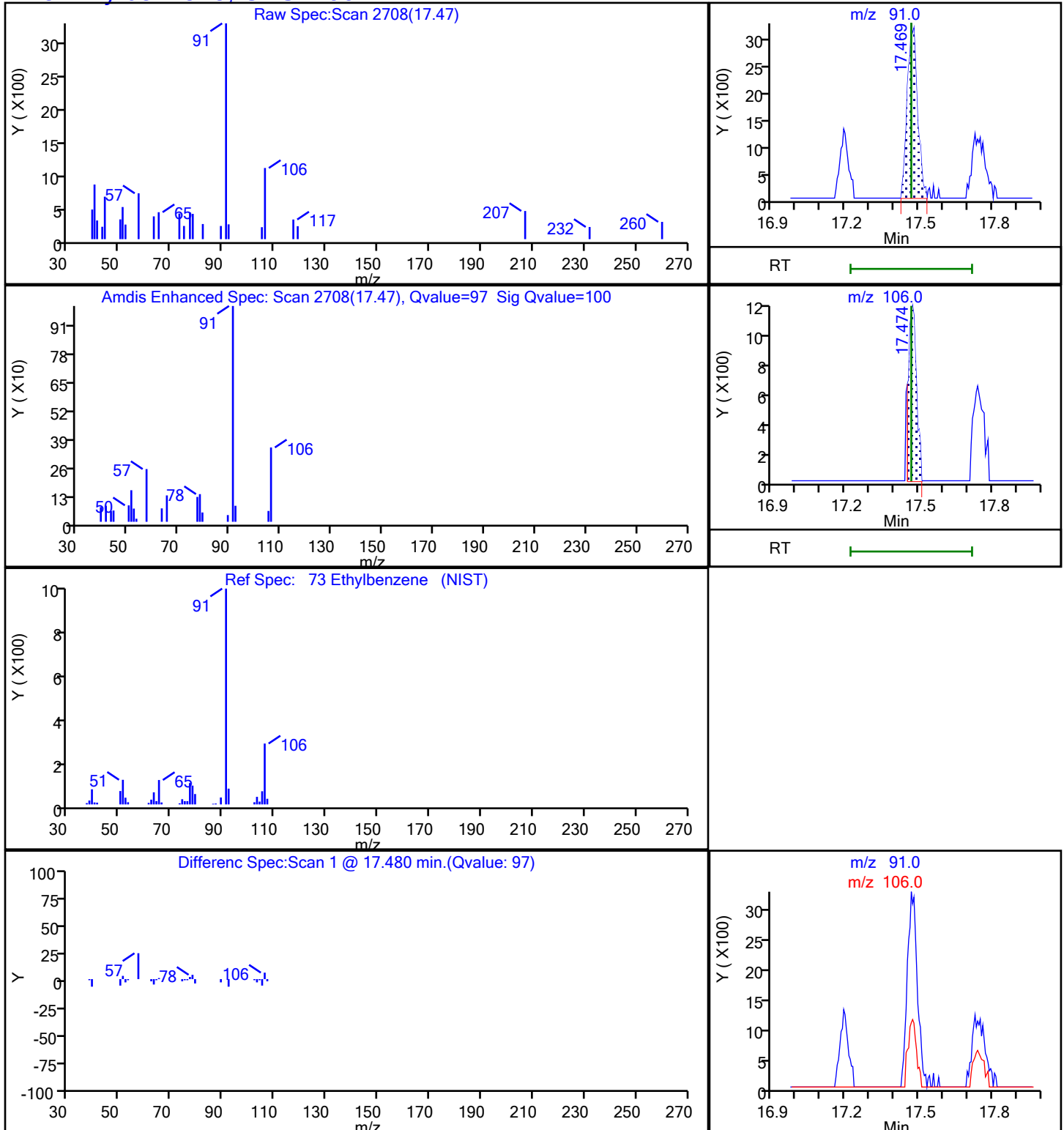
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-007.D

Injection Date: 20-Mar-2023 12:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-7

Lab Sample ID: 200-67137-7

Client ID: SG-12

Operator ID: vtp

ALS Bottle#: 6

Worklist Smp#: 7

Purge Vol: 200.000 mL

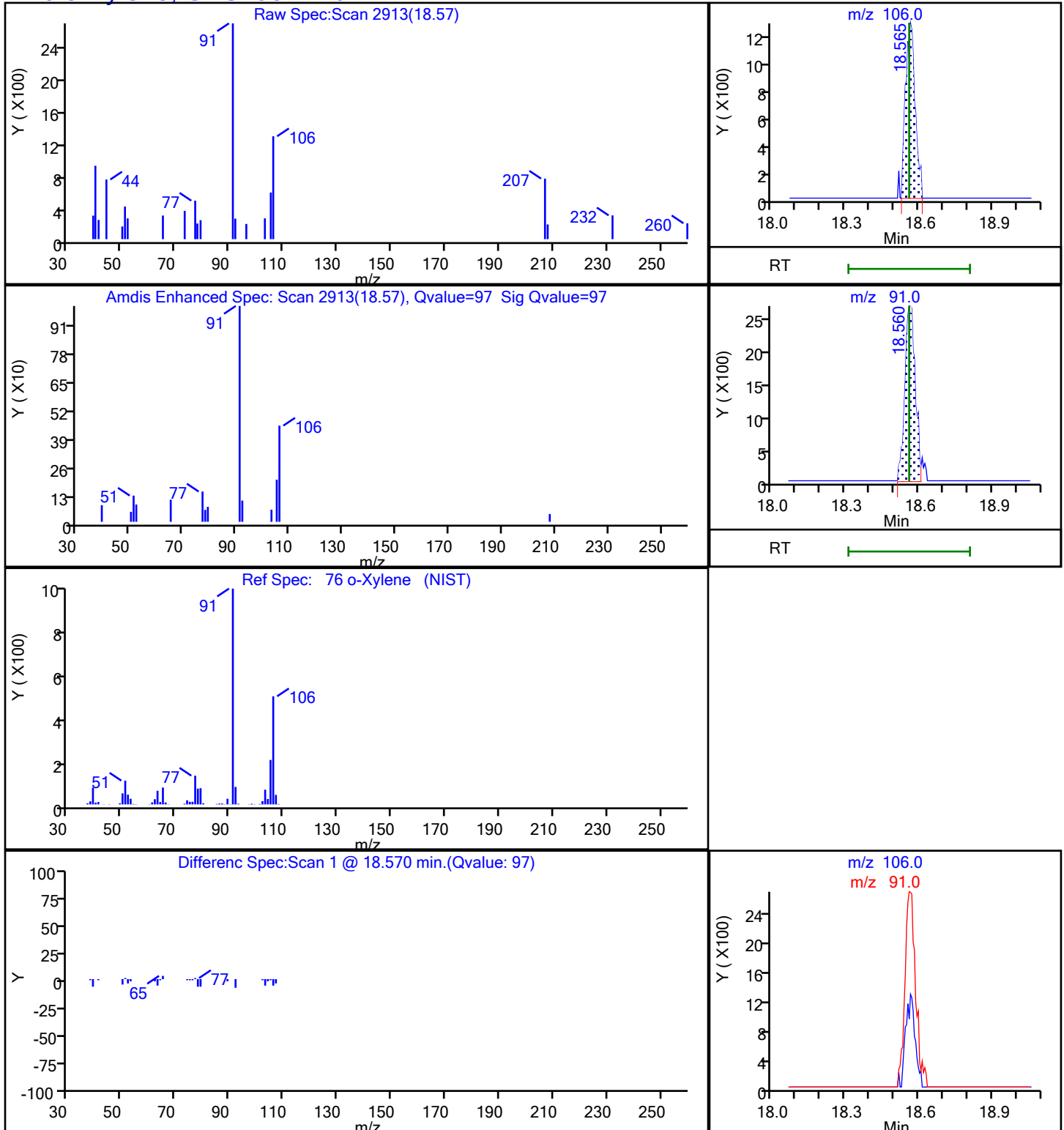
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-007.D

Injection Date: 20-Mar-2023 12:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-7

Lab Sample ID: 200-67137-7

Client ID: SG-12

Operator ID: vtp

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

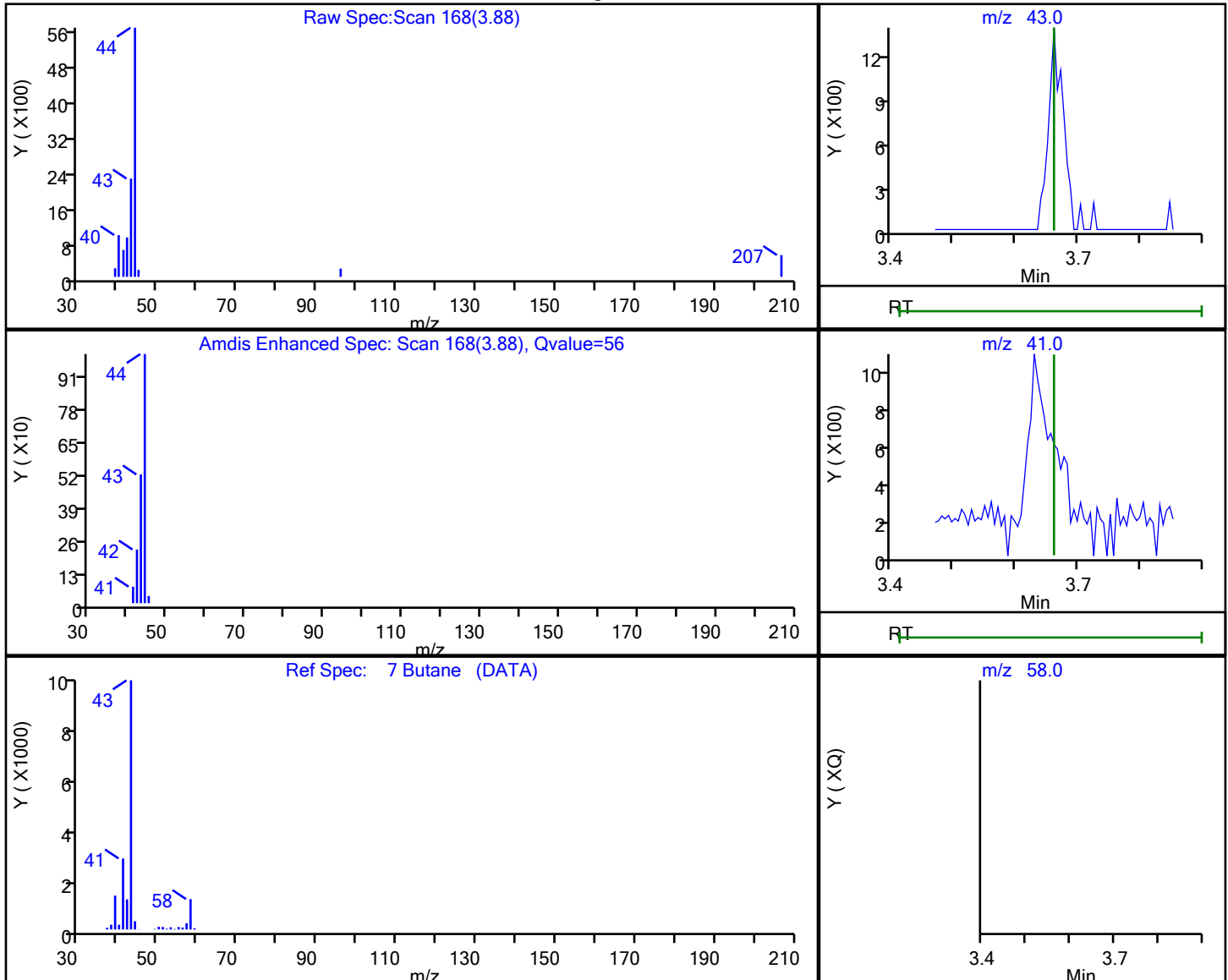
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.88	43.00	4615	0.140281
3.88	41.00	941	
3.66	58.00	0	

Reviewer: puangmaleek, 21-Mar-2023 08:47:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-007.D

Injection Date: 20-Mar-2023 12:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-7

Lab Sample ID: 200-67137-7

Client ID: SG-12

Operator ID: vtp

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

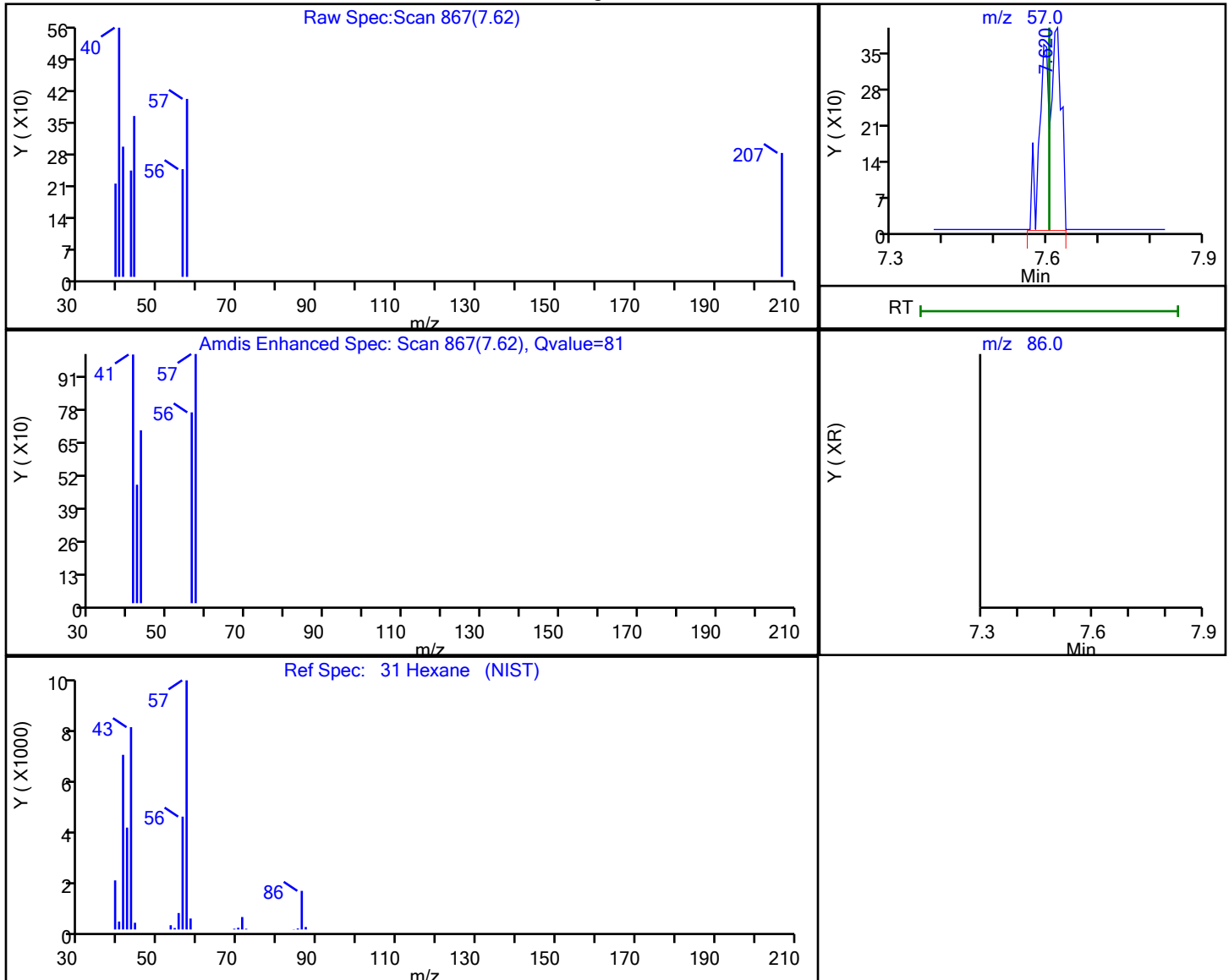
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
7.62	57.00	961	0.025925
7.60	86.00	0	

Reviewer: puangmaleek, 21-Mar-2023 08:47:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-007.D

Injection Date: 20-Mar-2023 12:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-7

Lab Sample ID: 200-67137-7

Client ID: SG-12

Operator ID: vtp

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

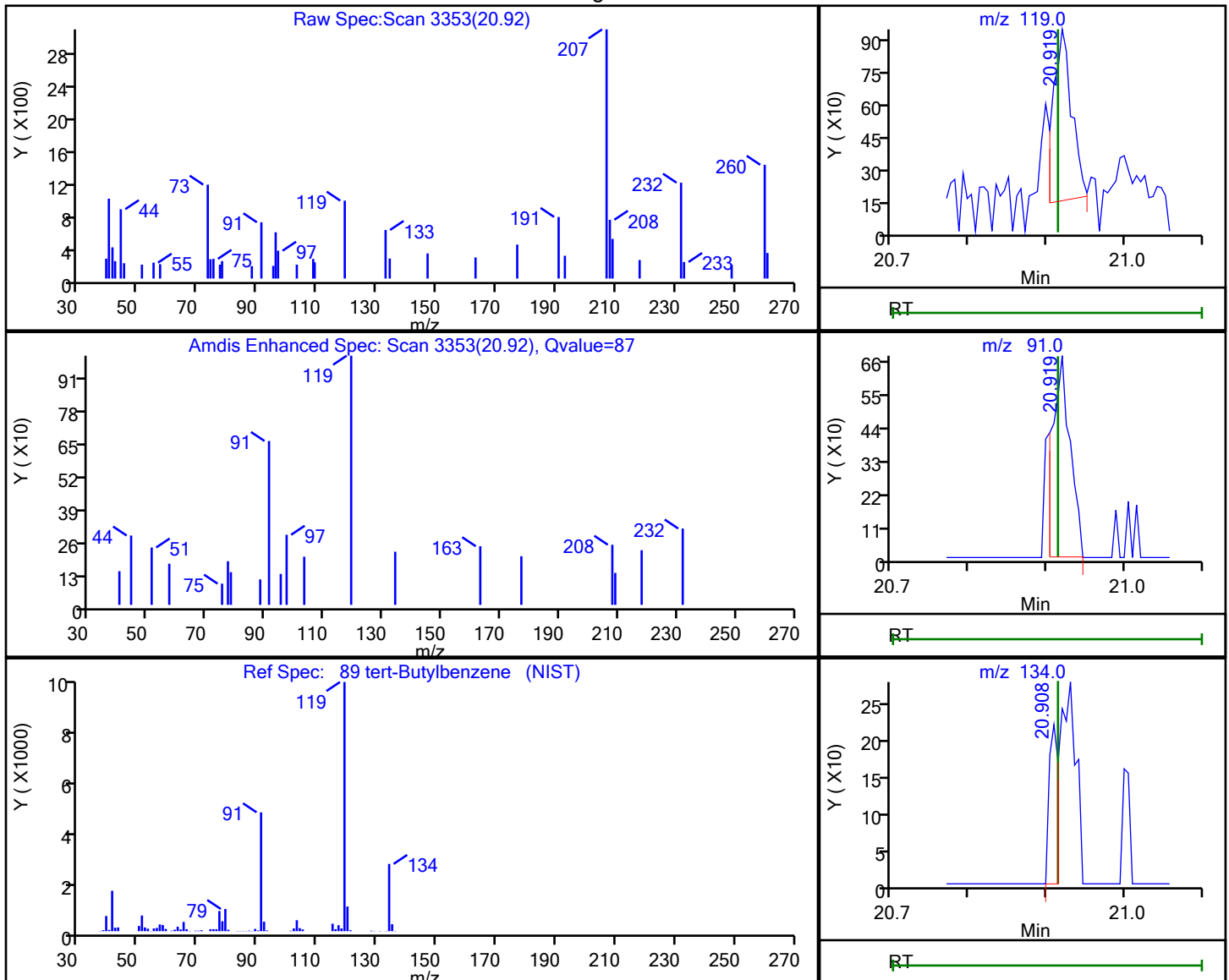
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

89 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
20.92	119.00	1295	0.012094
20.92	91.00	1072	
20.91	134.00	182	

Reviewer: puangmaleek, 21-Mar-2023 08:51:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: VMP-2R Lab Sample ID: 200-67137-8

Matrix: Air Lab File ID: 200-54759-008.D

Analysis Method: TO-15 Date Collected: 03/02/2023 12:27

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 13:30

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	1.1
75-45-6	Freon 22	86.47	5.0	U	5.0	1.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	0.48
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.5
106-97-8	n-Butane	58.12	5.0	U	5.0	2.0
75-01-4	Vinyl chloride	62.50	0.78	U	0.78	0.21
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.39
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.71
75-00-3	Chloroethane	64.52	5.0	U	5.0	1.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	0.50
75-69-4	Trichlorofluoromethane	137.37	2.0	U	2.0	0.50
76-13-1	Freon TF	187.38	2.0	U	2.0	0.53
75-35-4	1,1-Dichloroethene	96.94	0.35	U	0.35	0.26
67-64-1	Acetone	58.08	50	U	50	16
67-63-0	Isopropyl alcohol	60.10	50	U	50	16
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	1.3
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	1.2
75-09-2	Methylene Chloride	84.93	5.0	U	5.0	1.8
75-65-0	tert-Butyl alcohol	74.12	50	U	50	12
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.23
110-54-3	n-Hexane	86.17	5.0	U	5.0	1.1
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.25
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	0.50	U	0.50	0.21
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.21
67-66-3	Chloroform	119.38	2.0	U	2.0	0.41
109-99-9	Tetrahydrofuran	72.11	50	U	50	13
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.44
110-82-7	Cyclohexane	84.16	2.0	U	2.0	0.58
56-23-5	Carbon tetrachloride	153.81	0.35	U	0.35	0.22
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.38

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: VMP-2R Lab Sample ID: 200-67137-8

Matrix: Air Lab File ID: 200-54759-008.D

Analysis Method: TO-15 Date Collected: 03/02/2023 12:27

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 13:30

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.46	J	2.0	0.44
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.93
142-82-5	n-Heptane	100.21	2.0	U	2.0	0.55
79-01-6	Trichloroethene	131.39	1.3		0.35	0.25
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	1.4
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.94
123-91-1	1,4-Dioxane	88.11	50	U	50	13
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.50
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.45
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	1.3
108-88-3	Toluene	92.14	0.92	J	2.0	0.42
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.54
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.74
127-18-4	Tetrachloroethene	165.83	8.7		2.0	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	1.5
124-48-1	Dibromochloromethane	208.28	2.0	U	2.0	0.63
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.42
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.44
100-41-4	Ethylbenzene	106.17	0.61	J	2.0	0.52
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.95
95-47-6	Xylene, o-	106.17	0.56	J	2.0	0.52
1330-20-7	Xylene (total)	106.17	0.56	J	7.0	0.52
100-42-5	Styrene	104.15	2.0	U	2.0	0.59
75-25-2	Bromoform	252.75	2.0	U	2.0	1.2
98-82-8	Cumene	120.19	2.0	U	2.0	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.43
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.47
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.47
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.46
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.80

FORM I
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Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: VMP-2R Lab Sample ID: 200-67137-8
Matrix: Air Lab File ID: 200-54759-008.D
Analysis Method: TO-15 Date Collected: 03/02/2023 12:27
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 13:30
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.45
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.61
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.74
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.89
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.88
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	1.1
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.66
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	3.3
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	1.1
91-20-3	Naphthalene	128.17	5.0	U	5.0	3.0
87-61-6	1,2,3-Trichlorobenzene	181.40	5.0	U	5.0	3.2

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: VMP-2R Lab Sample ID: 200-67137-8
 Matrix: Air Lab File ID: 200-54759-008.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 12:27
 Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 13:30
 Soil Aliquot Vol: _____ Dilution Factor: 10
 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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	5.4
75-45-6	Freon 22	86.47	18	U	18	4.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	3.4
74-87-3	Chloromethane	50.49	10	U	10	3.1
106-97-8	n-Butane	58.12	12	U	12	4.8
75-01-4	Vinyl chloride	62.50	2.0	U	2.0	0.54
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.86
74-83-9	Bromomethane	94.94	7.8	U	7.8	2.8
75-00-3	Chloroethane	64.52	13	U	13	4.7
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	2.2
75-69-4	Trichlorofluoromethane	137.37	11	U	11	2.8
76-13-1	Freon TF	187.38	15	U	15	4.1
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	1.0
67-64-1	Acetone	58.08	120	U	120	38
67-63-0	Isopropyl alcohol	60.10	120	U	120	39
75-15-0	Carbon disulfide	76.14	16	U	16	4.0
107-05-1	3-Chloropropene	76.53	16	U	16	3.8
75-09-2	Methylene Chloride	84.93	17	U	17	6.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	36
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	1.3
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	0.91
110-54-3	n-Hexane	86.17	18	U	18	3.9
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.0
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	14
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.83
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	0.83
67-66-3	Chloroform	119.38	9.8	U	9.8	2.0
109-99-9	Tetrahydrofuran	72.11	150	U	150	38
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	2.4
110-82-7	Cyclohexane	84.16	6.9	U	6.9	2.0
56-23-5	Carbon tetrachloride	153.81	2.2	U	2.2	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.8

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>VMP-2R</u>	Lab Sample ID: <u>200-67137-8</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-008.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 12:27</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 13:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.5	J	6.4	1.4
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	3.8
142-82-5	n-Heptane	100.21	8.2	U	8.2	2.3
79-01-6	Trichloroethene	131.39	7.2		1.9	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	5.7
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	4.3
123-91-1	1,4-Dioxane	88.11	180	U	180	47
75-27-4	Bromodichloromethane	163.83	13	U	13	3.4
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	2.0
108-10-1	methyl isobutyl ketone	100.16	20	U	20	5.3
108-88-3	Toluene	92.14	3.5	J	7.5	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	2.5
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	4.0
127-18-4	Tetrachloroethene	165.83	59		14	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	6.1
124-48-1	Dibromochloromethane	208.28	17	U	17	5.4
106-93-4	1,2-Dibromoethane	187.87	15	U	15	3.2
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	2.0
100-41-4	Ethylbenzene	106.17	2.7	J	8.7	2.3
179601-23-1	m,p-Xylene	106.17	22	U	22	4.1
95-47-6	Xylene, o-	106.17	2.4	J	8.7	2.3
1330-20-7	Xylene (total)	106.17	2.4	J	30	2.3
100-42-5	Styrene	104.15	8.5	U	8.5	2.5
75-25-2	Bromoform	252.75	21	U	21	12
98-82-8	Cumene	120.19	9.8	U	9.8	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	3.0
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	2.3
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	2.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	2.4
98-06-6	tert-Butylbenzene	134.22	11	U	11	2.6
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	3.9

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Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: VMP-2R Lab Sample ID: 200-67137-8
Matrix: Air Lab File ID: 200-54759-008.D
Analysis Method: TO-15 Date Collected: 03/02/2023 12:27
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 13:30
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	11	U	11	2.5
99-87-6	4-Isopropyltoluene	134.22	11	U	11	3.3
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	4.4
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	5.4
100-44-7	Benzyl chloride	126.58	10	U	10	4.6
104-51-8	n-Butylbenzene	134.22	11	U	11	6.0
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	4.0
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	24
87-68-3	Hexachlorobutadiene	260.76	21	U	21	12
91-20-3	Naphthalene	128.17	26	U	26	16
87-61-6	1,2,3-Trichlorobenzene	181.40	37	U	37	24

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>VMP-2R</u>	Lab Sample ID: <u>200-67137-8</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-008.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 12:27</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 13:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D
 Lims ID: 200-67137-A-8
 Client ID: VMP-2R
 Sample Type: Client
 Inject. Date: 20-Mar-2023 13:30:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-008
 Misc. Info.: 67137-8
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 09:01:53 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: puangmaleek

Date: 21-Mar-2023 09:01:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.158	3.160	0.000	99	6338	0.0756	
3 Chlorodifluoromethane	51		3.179				ND	MU
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50		3.458				ND	MU
6 Vinyl chloride	62		3.656				ND	
7 Butane	43		3.661				ND	MU
8 Butadiene	54		3.730				ND	
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101		4.870				ND	7
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		5.795				ND	
19 Acetone	43	5.881	5.827	0.054	99	40575	1.13	
22 Isopropyl alcohol	45	6.191	6.088	0.107	100	17369	0.3974	
23 Carbon disulfide	76		6.143				ND	7
25 3-Chloro-1-propene	41		6.395				ND	7
26 Methylene Chloride	49		6.603				ND	7
27 2-Methyl-2-propanol	59		6.817				ND	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57		7.604				ND	MU
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.866	8.812	0.059	99	3391	0.2848	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	95	270434	10.0	
38 Tetrahydrofuran	42		9.315				ND	7
39 Chloroform	83		9.422				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84		9.904				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117		10.043				ND	
44 Benzene	78	10.423	10.423	0.011	93	4797	0.0463	M
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43	11.038	11.038	0.021	66	3023	0.0423	M
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	95	1451941	10.0	
50 Trichloroethene	95	11.712	11.712	0.000	94	8554	0.1344	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.339	14.328	0.011	92	6244	0.0921	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	7
67 Tetrachloroethene	166	15.398	15.403	0.000	95	51153	0.8666	
68 2-Hexanone	43	15.687	15.687	0.032	93	3404	0.0413	7M
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.190	17.190	0.000	89	1247486	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.474	17.468	0.006	97	8998	0.0611	
74 m-Xylene & p-Xylene	106	17.741	17.741	-0.011	0	1890	0.0376	M
76 o-Xylene	106	18.570	18.570	0.010	97	2951	0.0564	M
77 Styrene	104		18.597				ND	
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	7
S 82 Xylenes, Total	106				0		0.0939	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.095				ND	7
84 2-Chlorotoluene	91		20.245				ND	7
85 4-Ethyltoluene	105		20.309				ND	7
86 1,3,5-Trimethylbenzene	105		20.411				ND	7
89 tert-Butylbenzene	119		20.914				ND	7
90 1,2,4-Trimethylbenzene	105	20.999	21.011	-0.006	68	2966	0.0266	
91 sec-Butylbenzene	105		21.256				ND	7
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119		21.481				ND	7
94 1,4-Dichlorobenzene	146		21.572				ND	7
95 Benzyl chloride	91		21.721				ND	7
97 n-Butylbenzene	91		22.048				ND	7
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180	24.530	24.527	0.011	85	1854	0.0339	
101 Hexachlorobutadiene	225		24.776				ND	7
102 Naphthalene	128	24.995	25.003	0.000	97	5737	0.0468	
103 1,2,3-Trichlorobenzene	180	25.407	25.402	0.005	66	1790	0.0401	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Worklist Smp#: 8

Client ID: VMP-2R

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

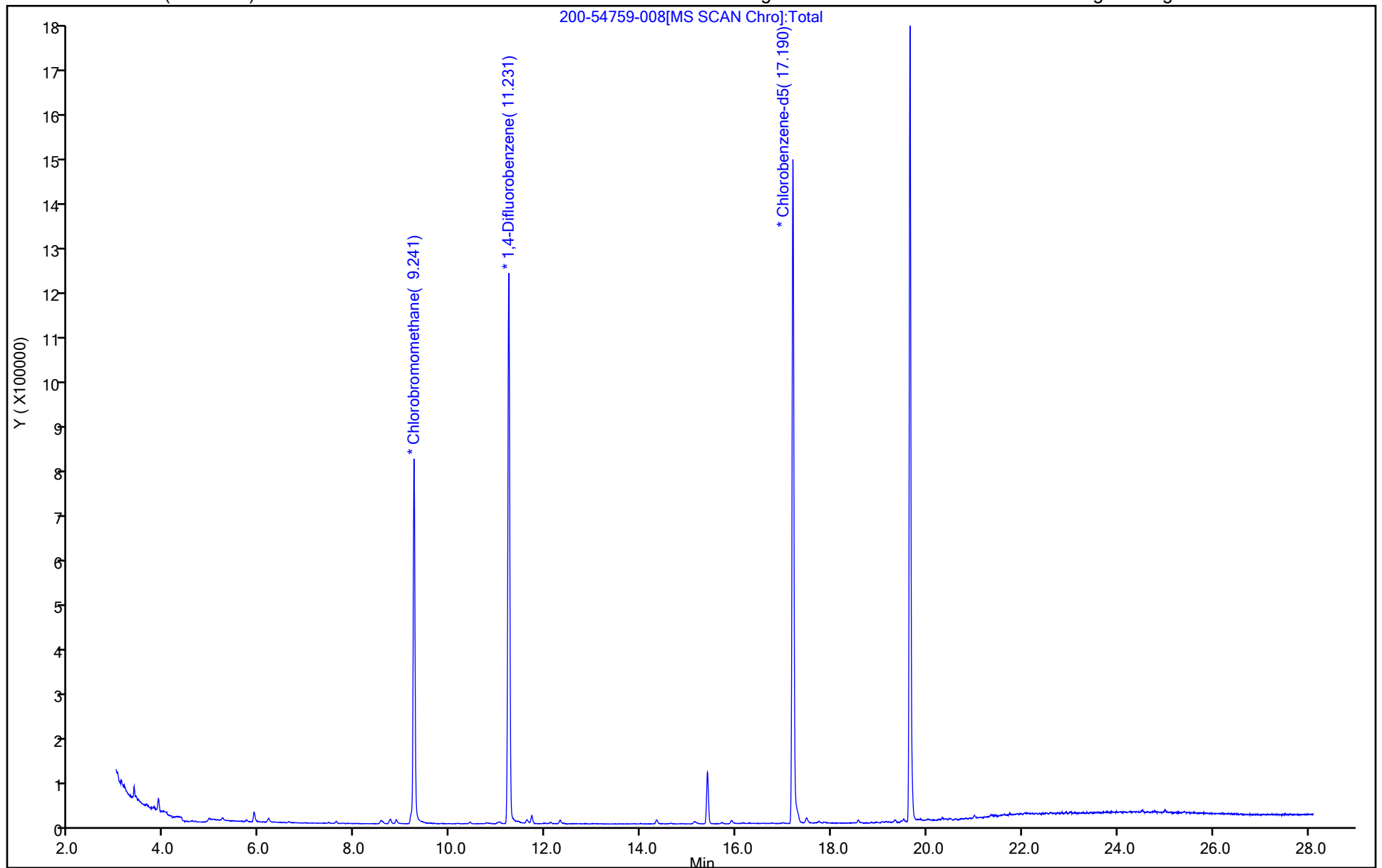
ALS Bottle#: 7

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

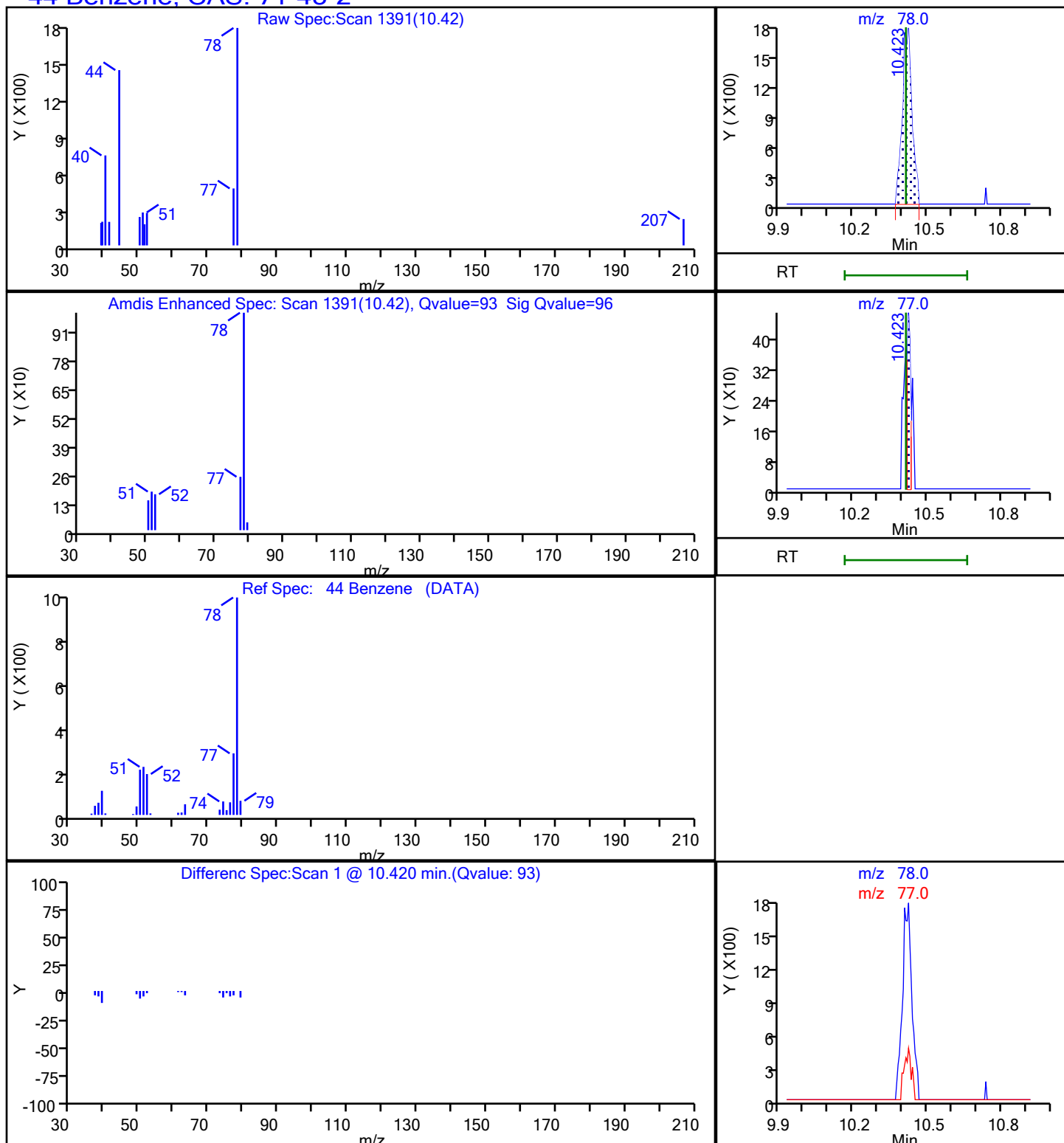
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

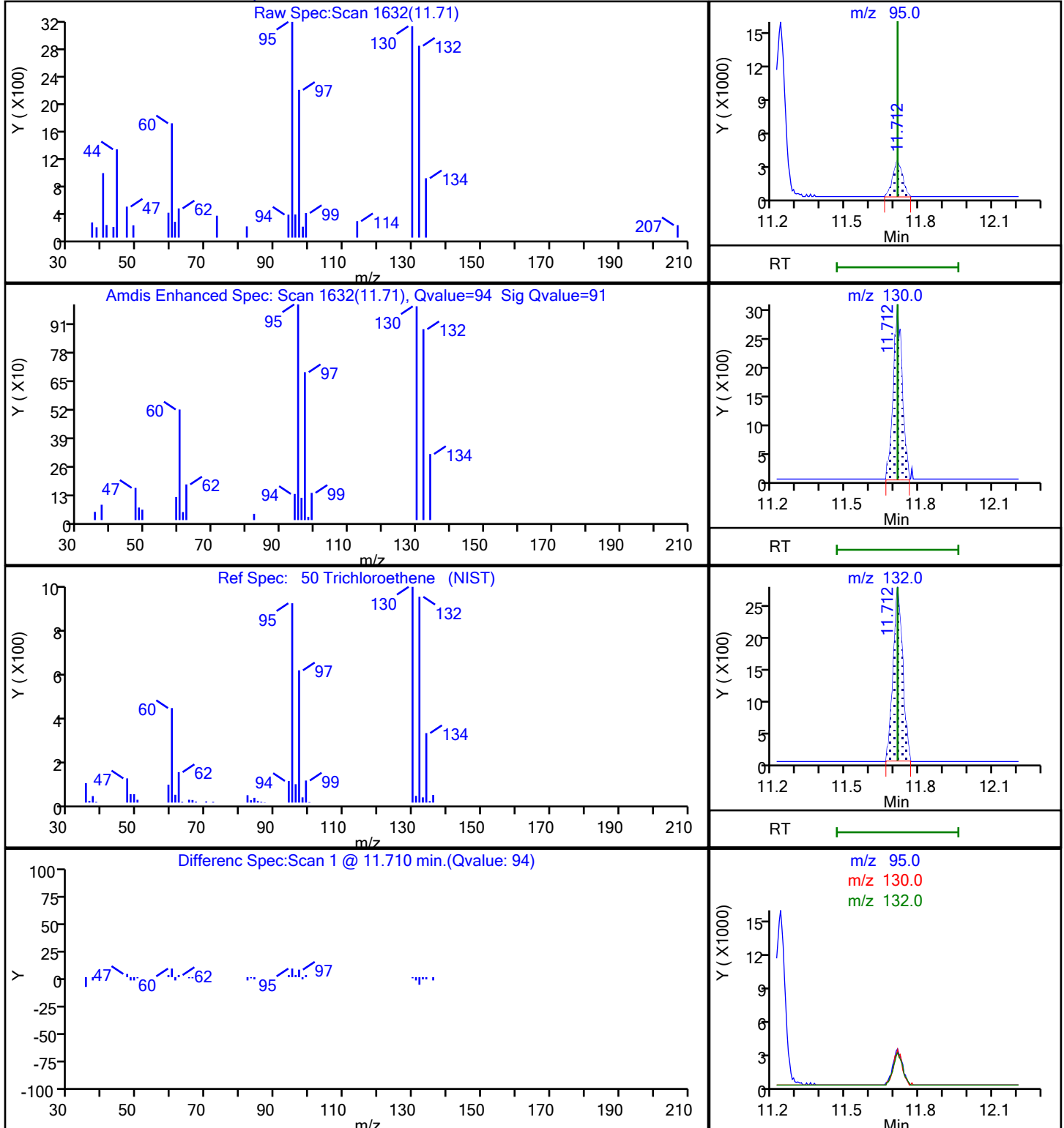
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

50 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

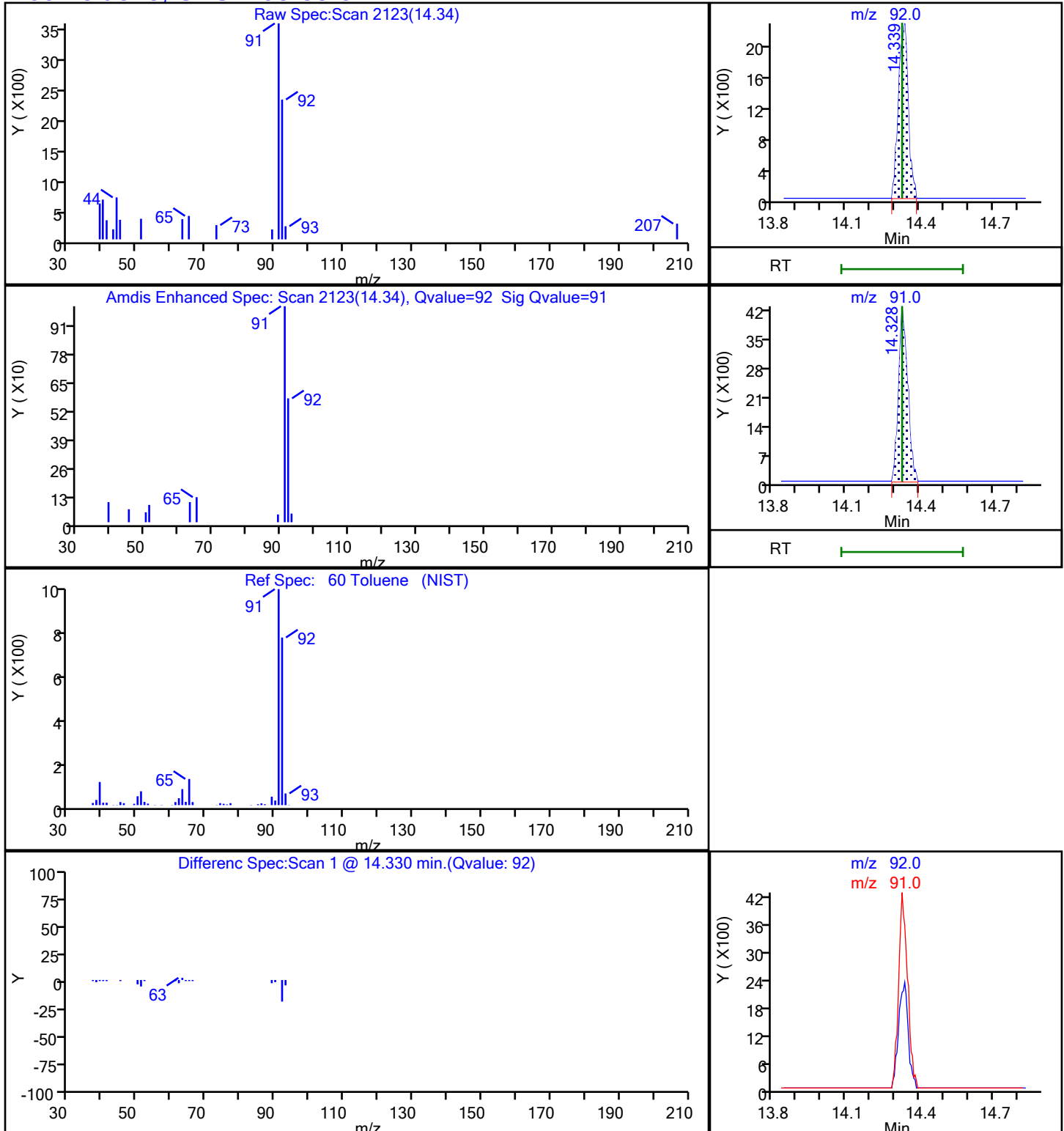
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

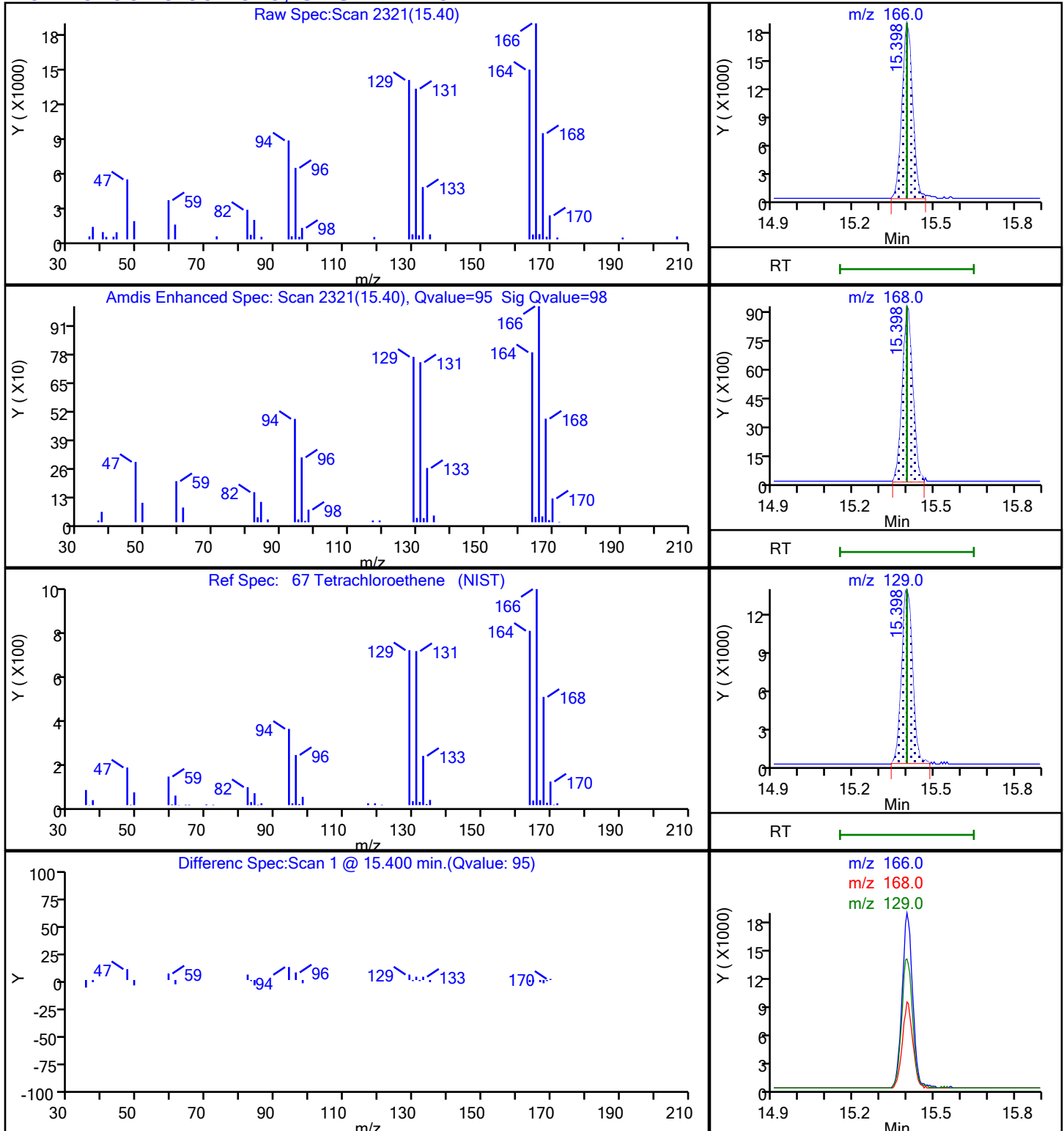
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

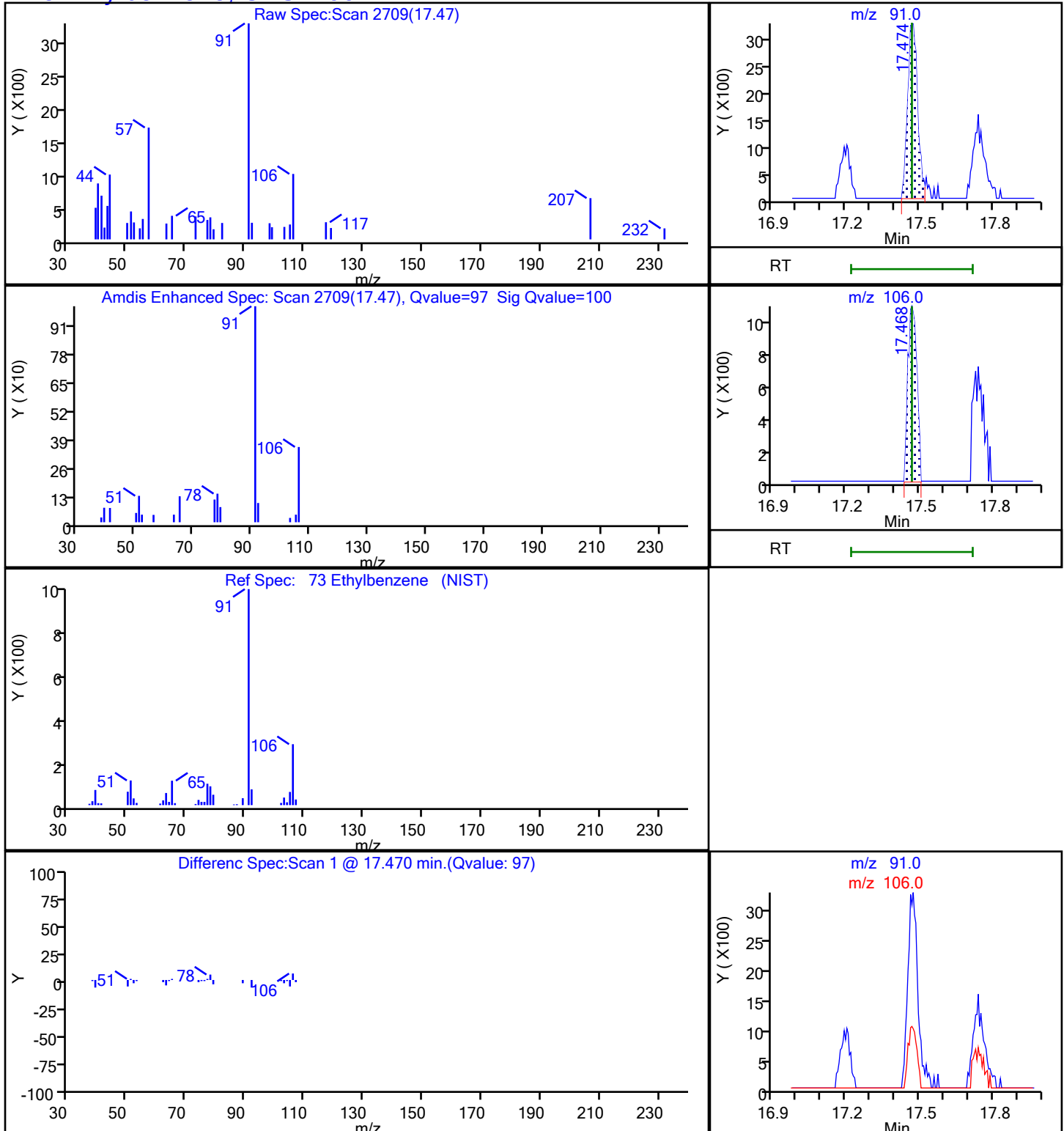
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

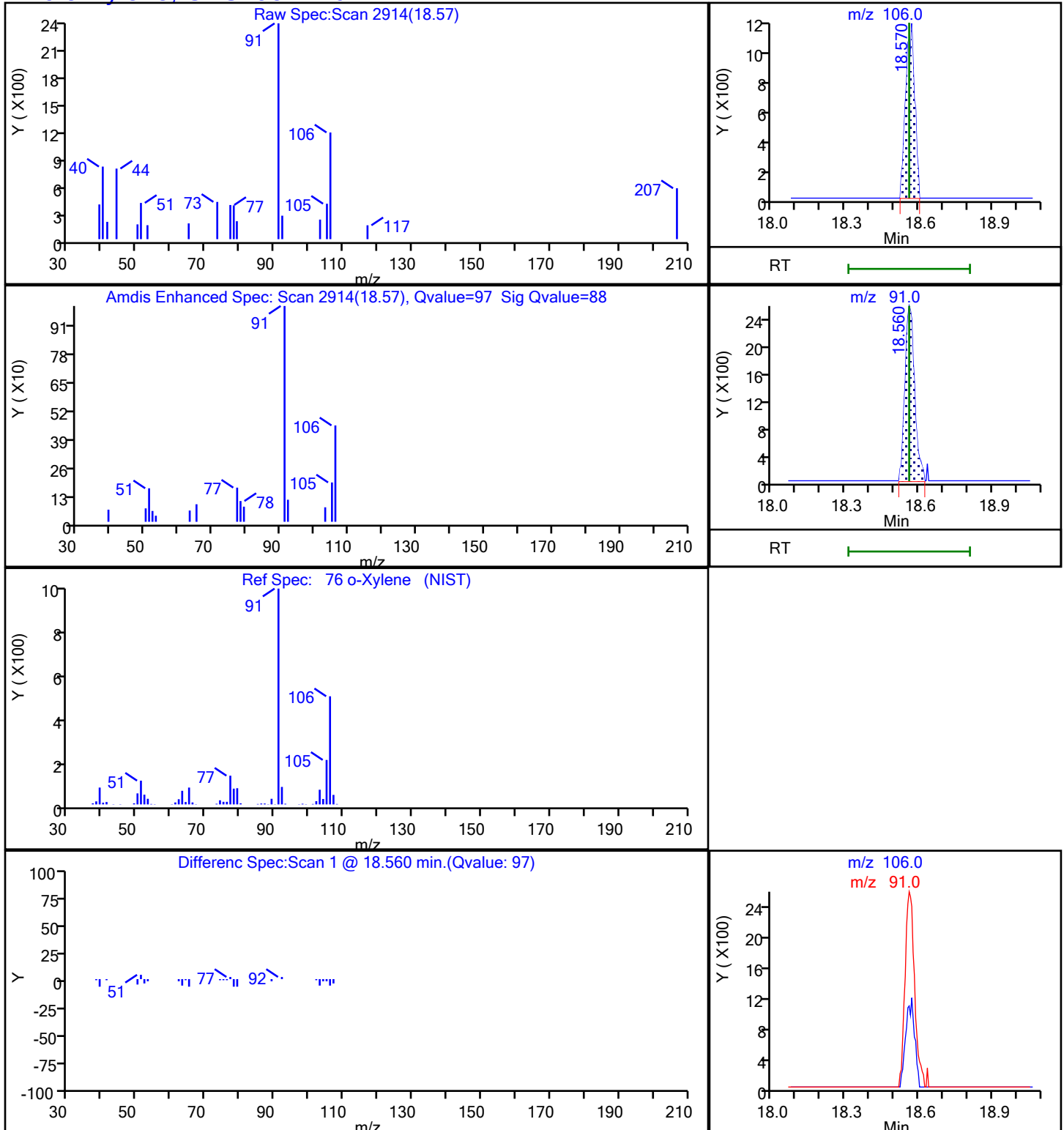
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

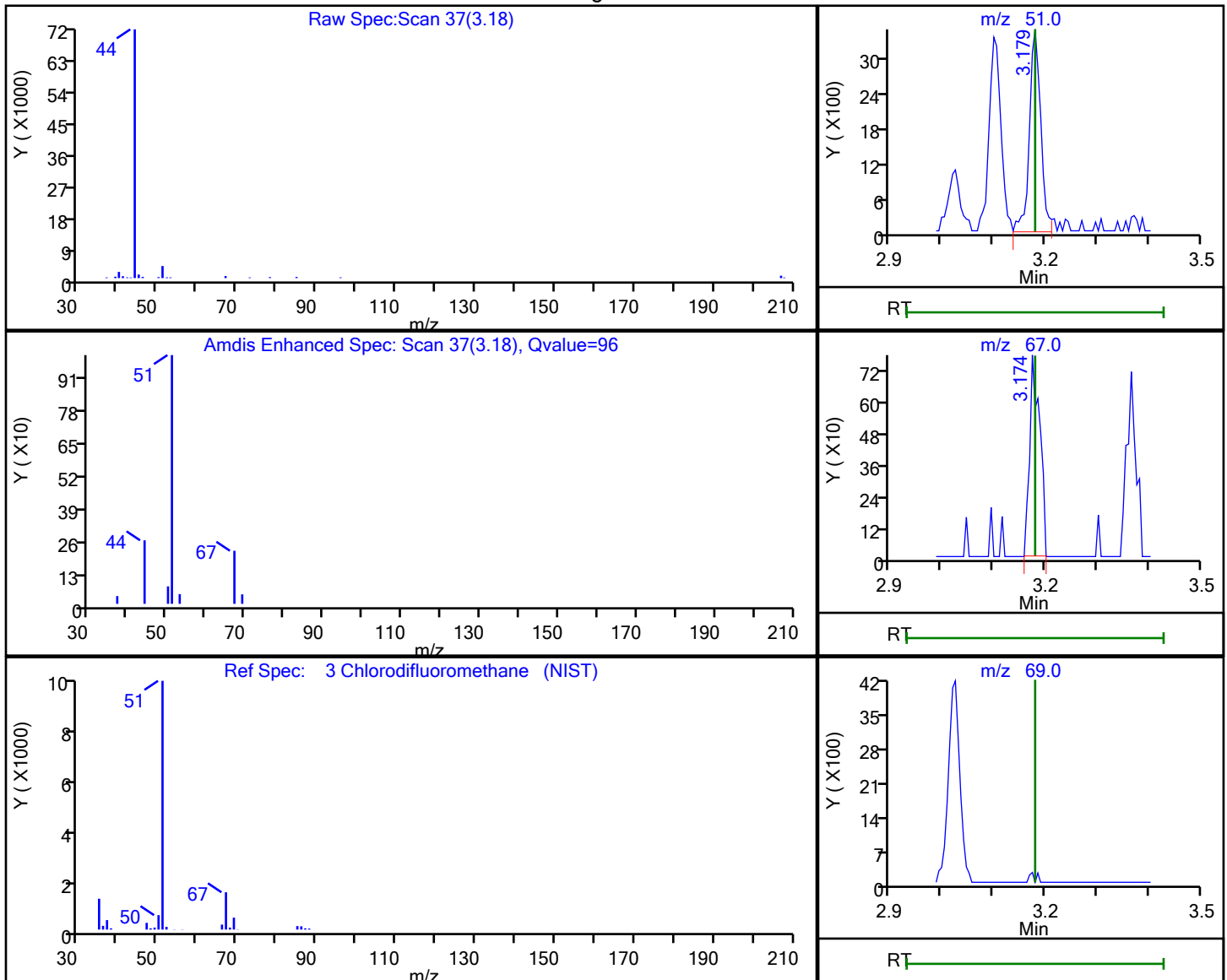
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
3.18	51.00	5282	0.109149
3.17	67.00	1065	
3.18	69.00	0	

Reviewer: puangmaleek, 21-Mar-2023 08:53:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

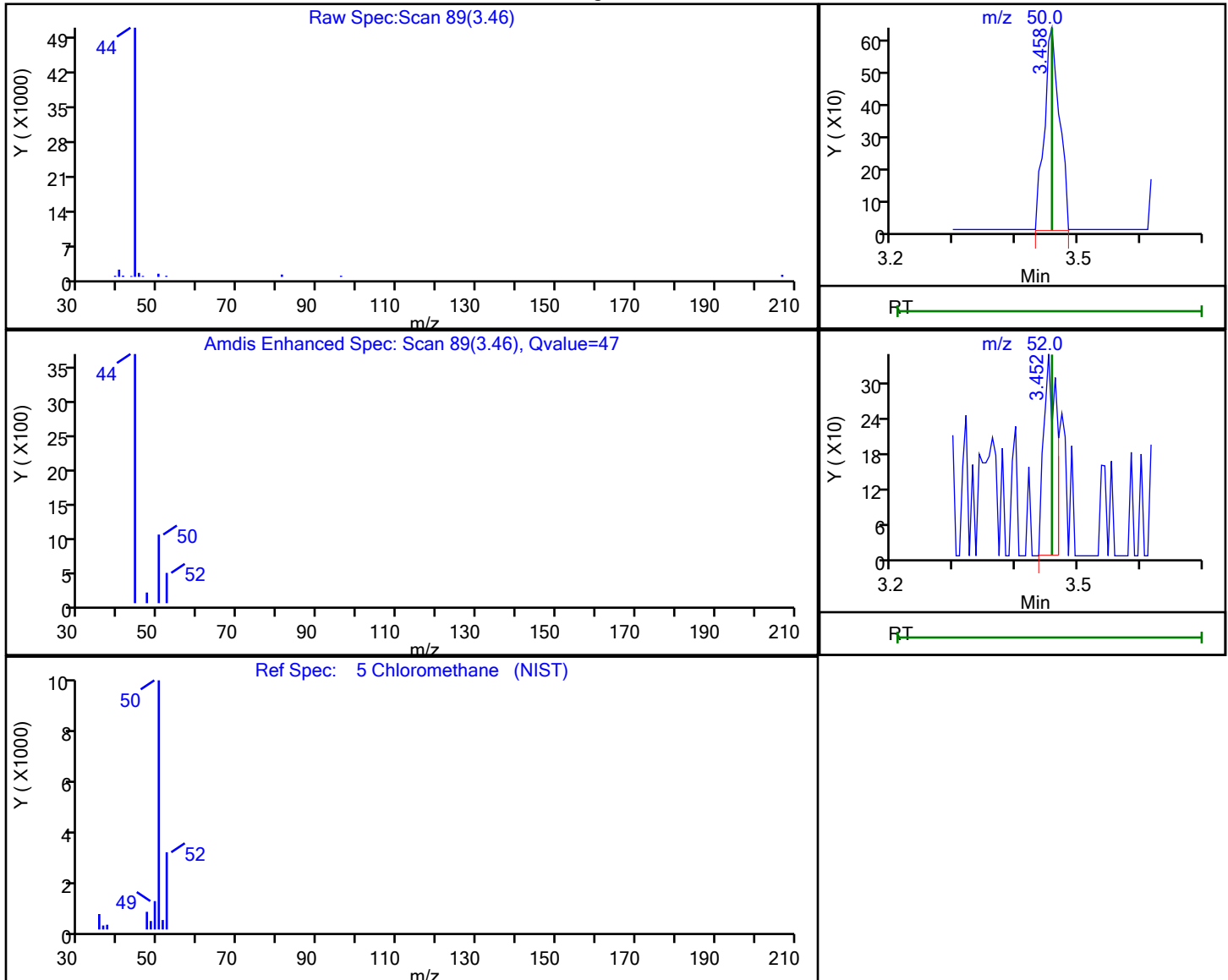
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
3.46	50.00	1072	0.039815
3.45	52.00	479	

Reviewer: puangmaleek, 21-Mar-2023 08:53:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

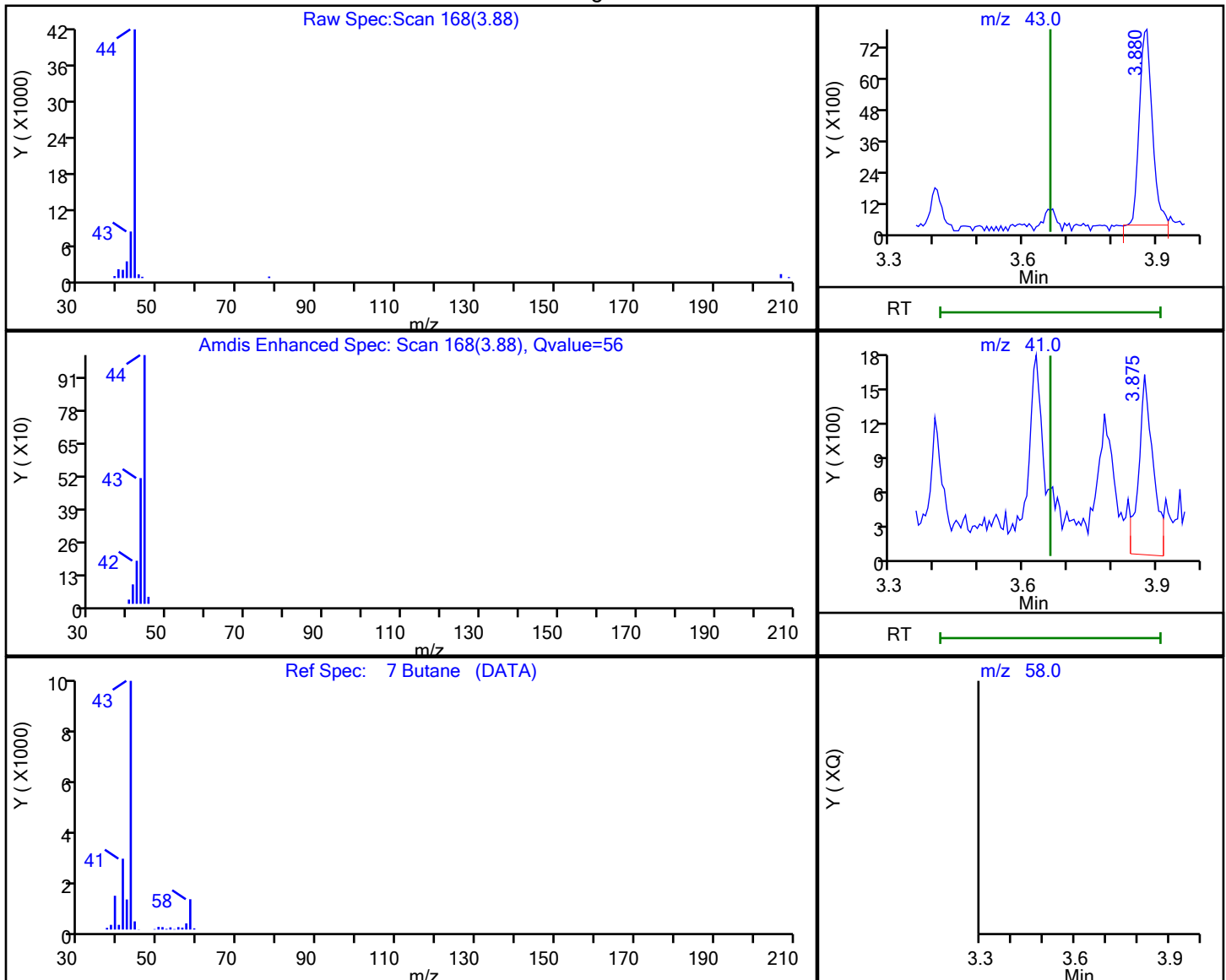
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.88	43.00	15731	0.469399
3.87	41.00	3633	
3.66	58.00	0	

Reviewer: puangmaleek, 21-Mar-2023 08:53:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D

Injection Date: 20-Mar-2023 13:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-8

Lab Sample ID: 200-67137-8

Client ID: VMP-2R

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

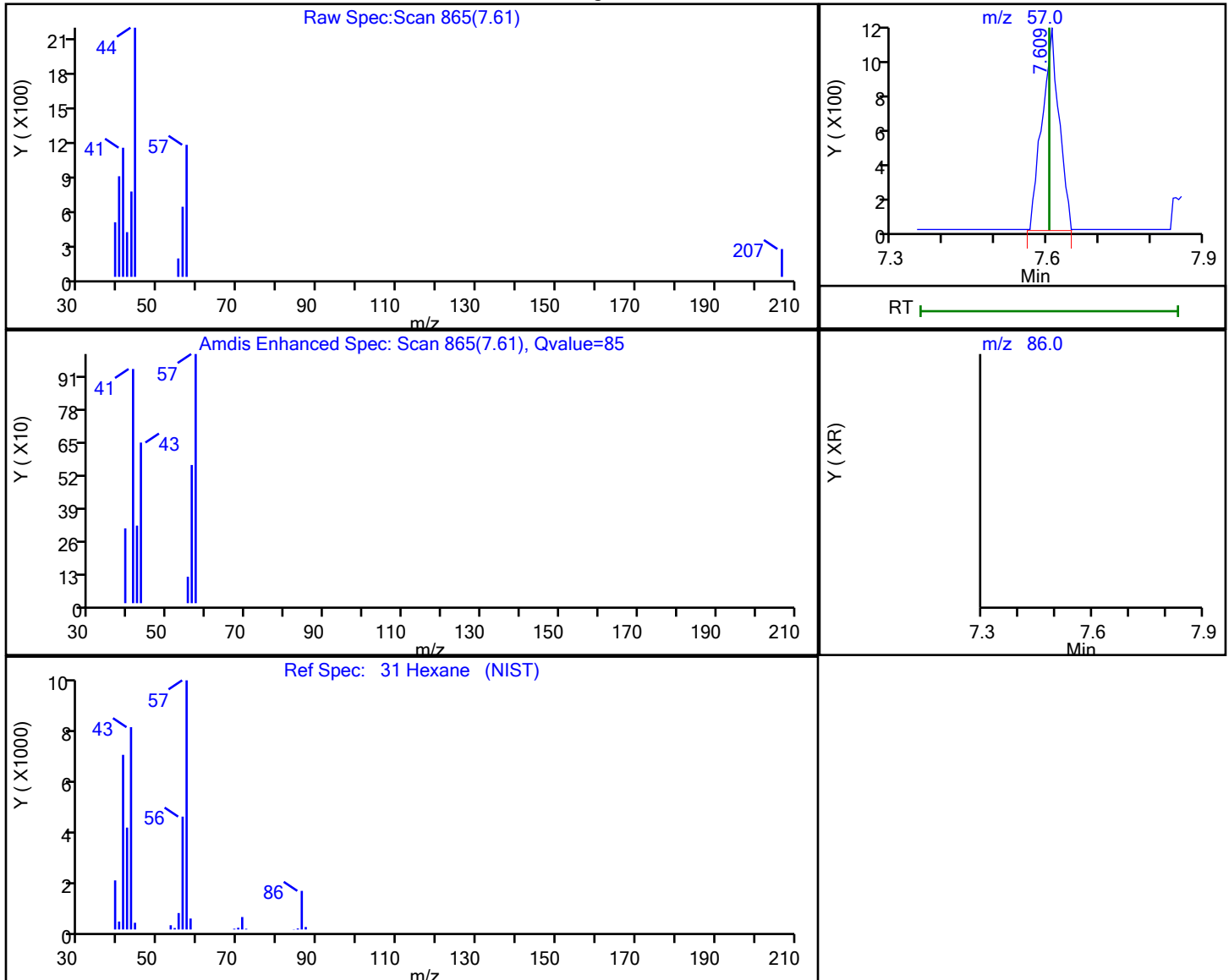
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
7.61	57.00	2570	0.068059
7.60	86.00	0	

Reviewer: puangmaleek, 21-Mar-2023 08:54:44

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

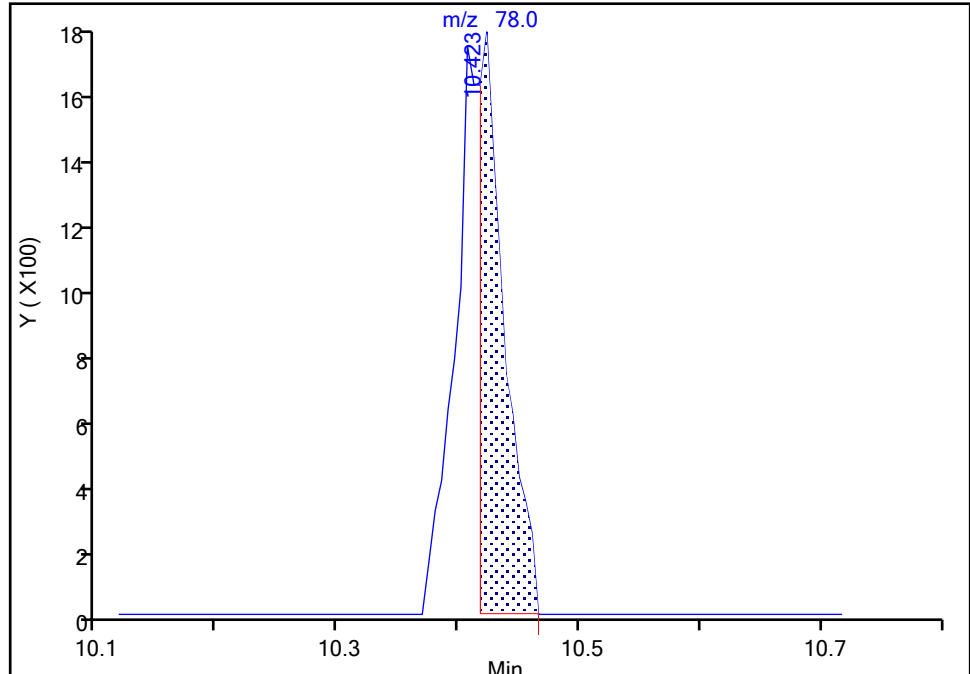
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D		
Injection Date:	20-Mar-2023 13:30:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-8	Lab Sample ID:	200-67137-8
Client ID:	VMP-2R		
Operator ID:	vtp	ALS Bottle#:	7
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

44 Benzene, CAS: 71-43-2

Signal: 1

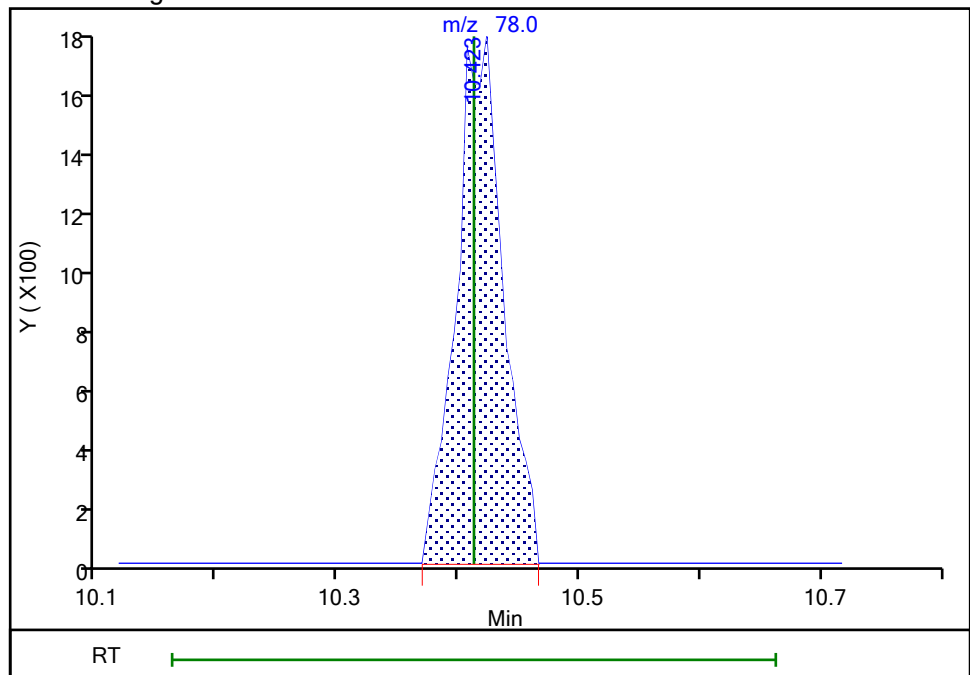
RT: 10.42
Area: 2659
Amount: 0.025643
Amount Units: ppb v/v

Processing Integration Results



RT: 10.42
Area: 4797
Amount: 0.046261
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 21-Mar-2023 08:55:06

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

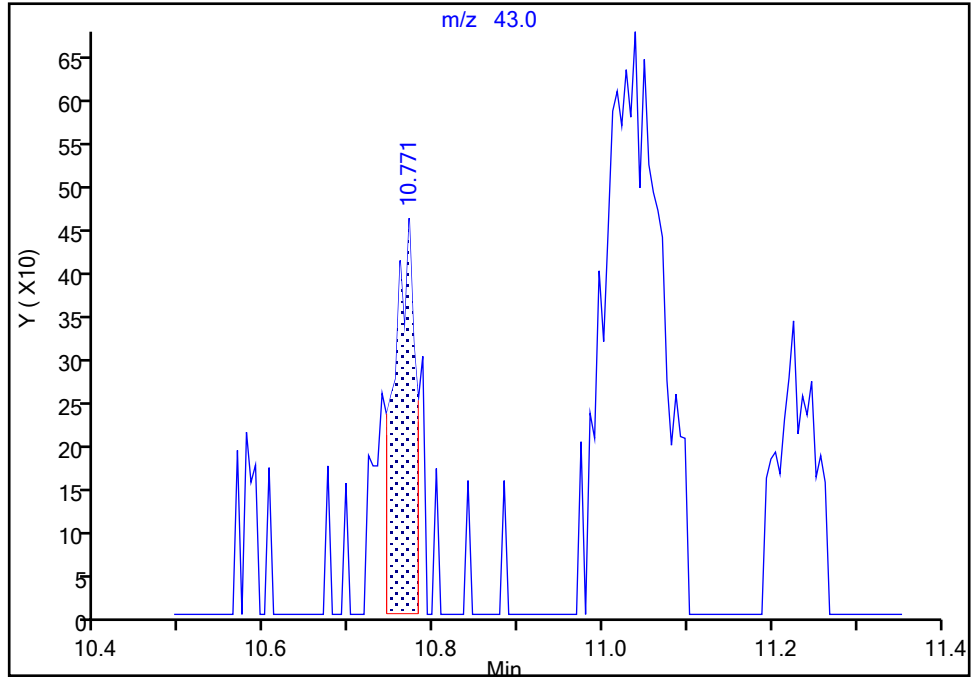
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D
Injection Date: 20-Mar-2023 13:30:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-8 Lab Sample ID: 200-67137-8
Client ID: VMP-2R
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

47 n-Heptane, CAS: 142-82-5

Signal: 1

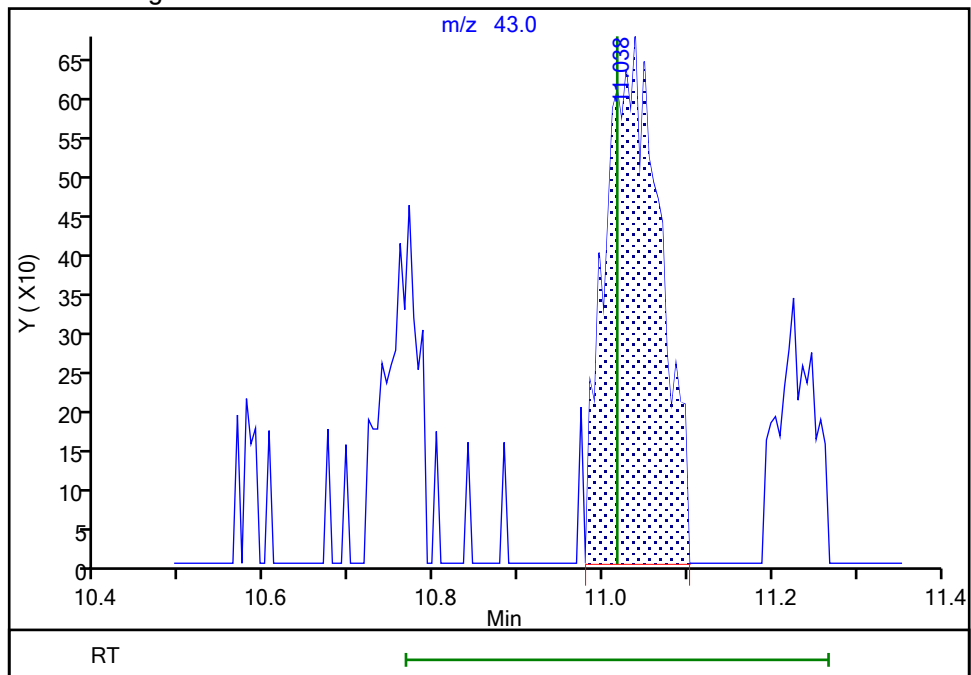
RT: 10.77
Area: 807
Amount: 0.011294
Amount Units: ppb v/v

Processing Integration Results



RT: 11.04
Area: 3023
Amount: 0.042308
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 21-Mar-2023 08:55:27

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

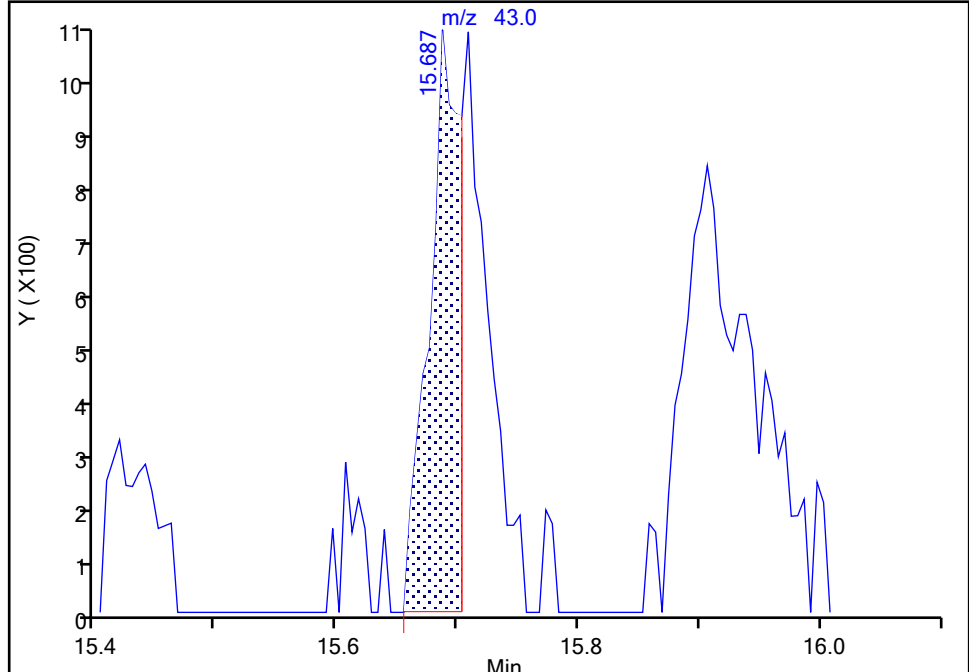
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D		
Injection Date:	20-Mar-2023 13:30:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-8	Lab Sample ID:	200-67137-8
Client ID:	VMP-2R		
Operator ID:	vtp	ALS Bottle#:	7
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

68 2-Hexanone, CAS: 591-78-6

Signal: 1

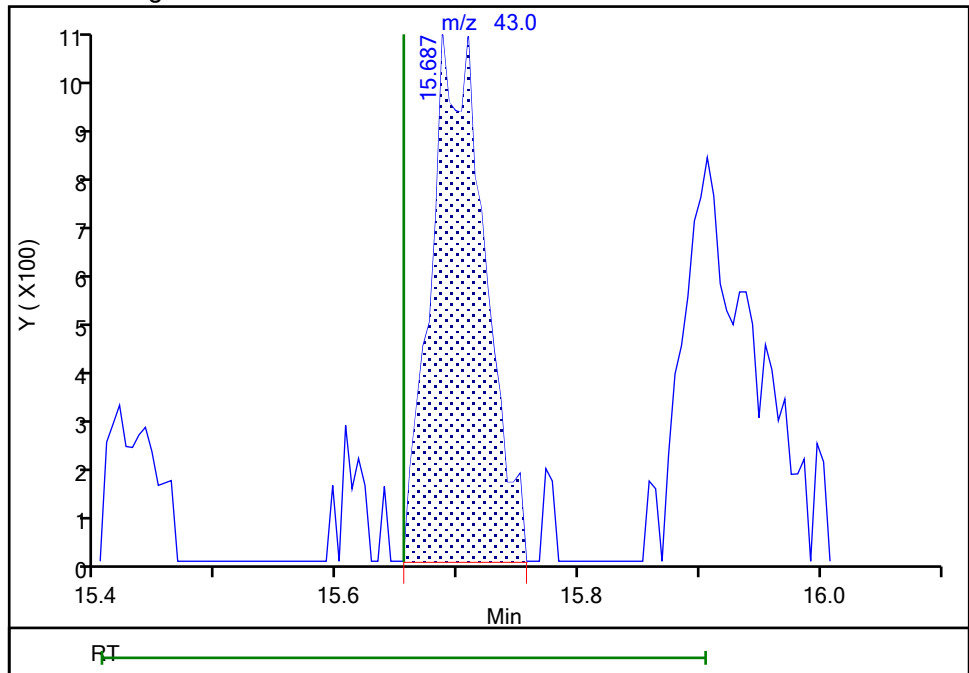
RT: 15.69
Area: 1963
Amount: 0.023829
Amount Units: ppb v/v

Processing Integration Results



RT: 15.69
Area: 3404
Amount: 0.041322
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 21-Mar-2023 08:56:49

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

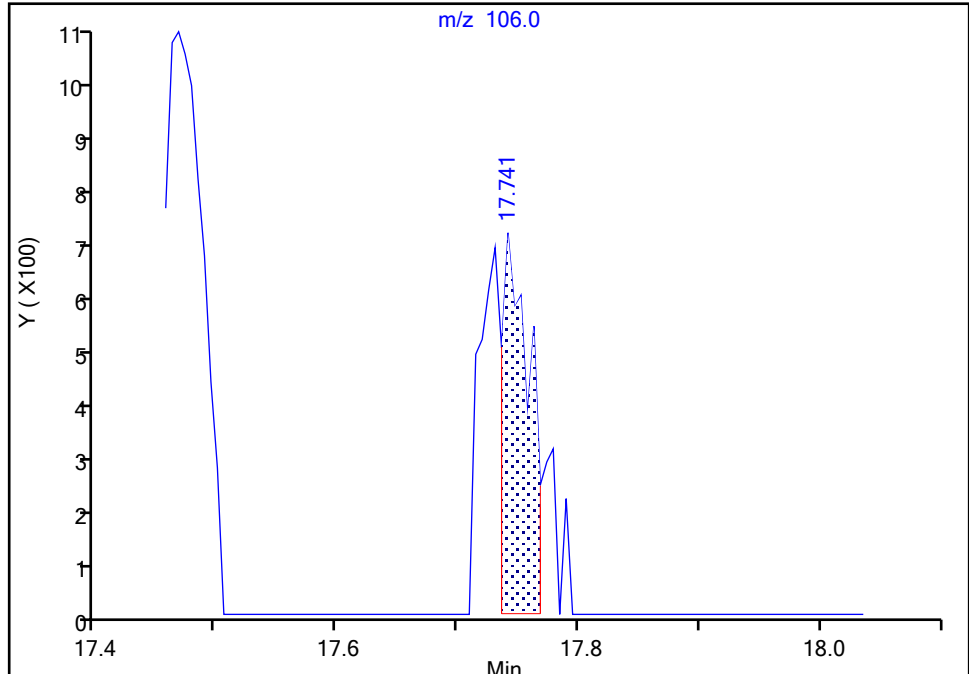
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D
Injection Date: 20-Mar-2023 13:30:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-8 Lab Sample ID: 200-67137-8
Client ID: VMP-2R
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

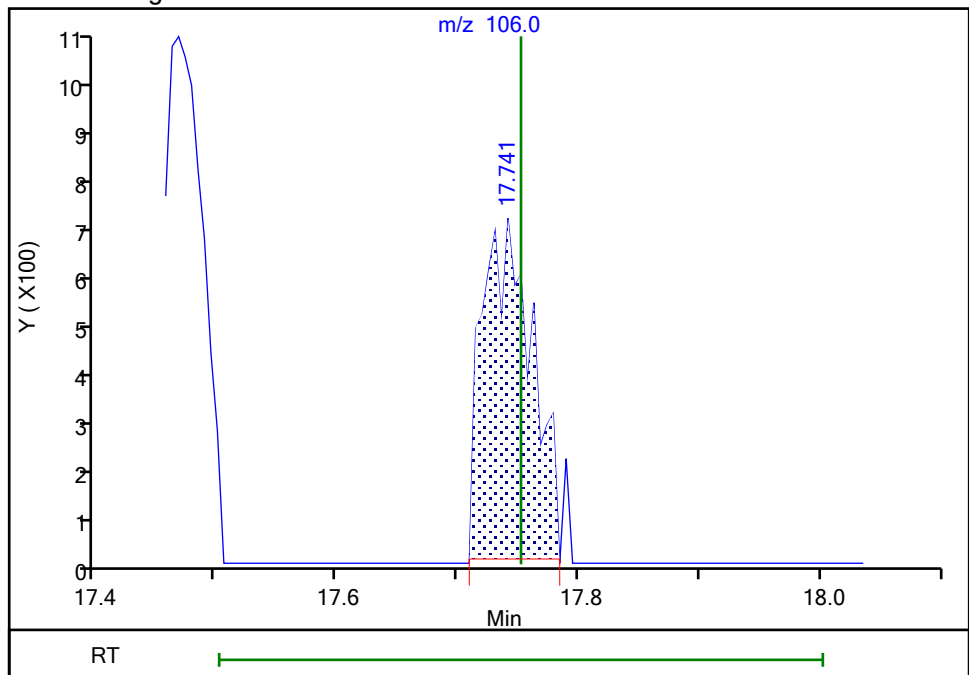
RT: 17.74
Area: 1059
Amount: 0.021040
Amount Units: ppb v/v

Processing Integration Results



RT: 17.74
Area: 1890
Amount: 0.037551
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 21-Mar-2023 08:58:34

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

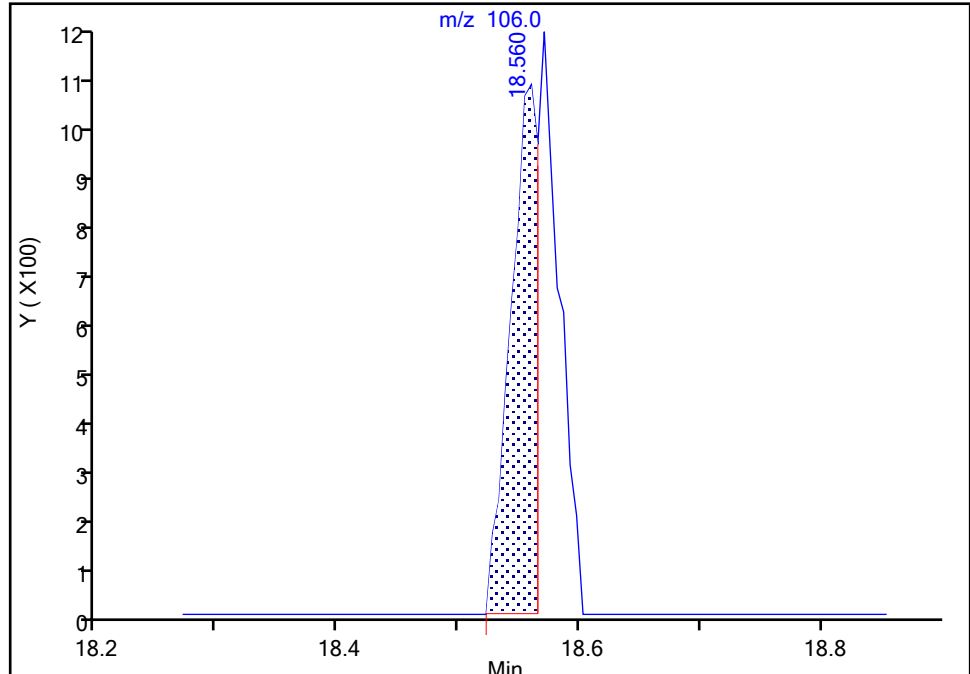
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-008.D		
Injection Date:	20-Mar-2023 13:30:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-8	Lab Sample ID:	200-67137-8
Client ID:	VMP-2R		
Operator ID:	vtp	ALS Bottle#:	7
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

76 o-Xylene, CAS: 95-47-6

Signal: 1

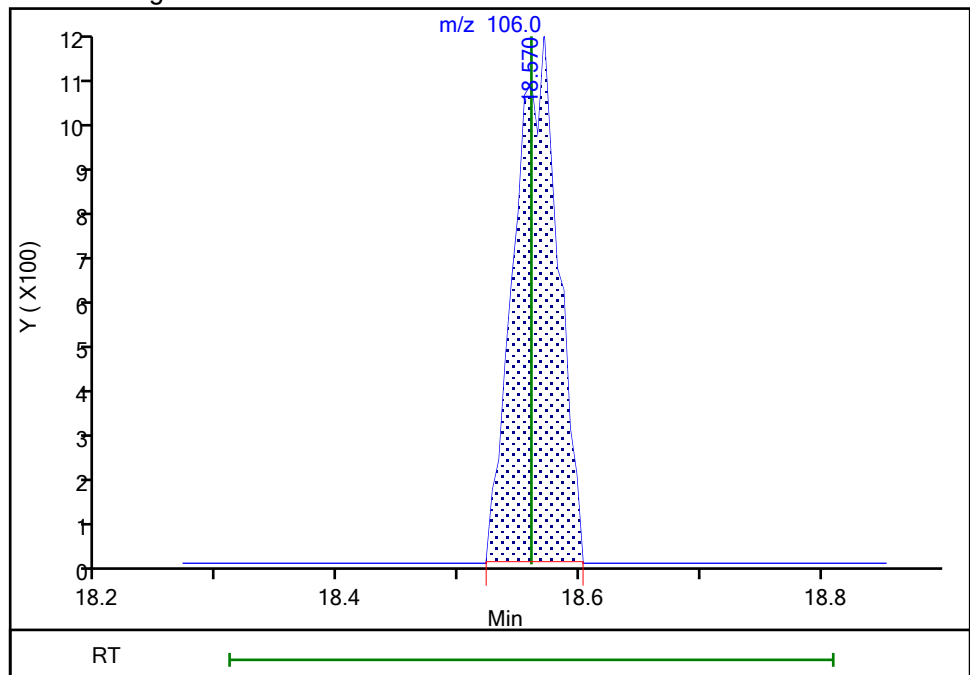
RT: 18.56
Area: 1715
Amount: 0.032751
Amount Units: ppb v/v

Processing Integration Results



RT: 18.57
Area: 2951
Amount: 0.056355
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 21-Mar-2023 08:59:08

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: SG-6 Lab Sample ID: 200-67137-9

Matrix: Air Lab File ID: 200-54759-009.D

Analysis Method: TO-15 Date Collected: 03/02/2023 09:01

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 14:22

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	1.1
75-45-6	Freon 22	86.47	1.5	J	5.0	1.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	0.48
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.5
106-97-8	n-Butane	58.12	5.0	U	5.0	2.0
75-01-4	Vinyl chloride	62.50	0.78	U	0.78	0.21
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.39
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.71
75-00-3	Chloroethane	64.52	5.0	U	5.0	1.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	0.50
75-69-4	Trichlorofluoromethane	137.37	2.0	U	2.0	0.50
76-13-1	Freon TF	187.38	2.0	U	2.0	0.53
75-35-4	1,1-Dichloroethene	96.94	0.35	U	0.35	0.26
67-64-1	Acetone	58.08	18	J	50	16
67-63-0	Isopropyl alcohol	60.10	50	U	50	16
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	1.3
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	1.2
75-09-2	Methylene Chloride	84.93	2.3	J	5.0	1.8
75-65-0	tert-Butyl alcohol	74.12	50	U	50	12
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.23
110-54-3	n-Hexane	86.17	1.2	J	5.0	1.1
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.25
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	0.50	U	0.50	0.21
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.21
67-66-3	Chloroform	119.38	2.0	U	2.0	0.41
109-99-9	Tetrahydrofuran	72.11	50	U	50	13
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.44
110-82-7	Cyclohexane	84.16	2.0	U	2.0	0.58
56-23-5	Carbon tetrachloride	153.81	0.35	U	0.35	0.22
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.38

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-6</u>	Lab Sample ID: <u>200-67137-9</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-009.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 09:01</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 14:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.57	J	2.0	0.44
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.93
142-82-5	n-Heptane	100.21	2.0	U	2.0	0.55
79-01-6	Trichloroethene	131.39	0.35	U	0.35	0.25
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	1.4
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.94
123-91-1	1,4-Dioxane	88.11	50	U	50	13
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.50
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.45
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	1.3
108-88-3	Toluene	92.14	1.2	J	2.0	0.42
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.54
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.74
127-18-4	Tetrachloroethene	165.83	0.62	J	2.0	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	1.5
124-48-1	Dibromochloromethane	208.28	2.0	U	2.0	0.63
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.42
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.44
100-41-4	Ethylbenzene	106.17	0.70	J	2.0	0.52
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.95
95-47-6	Xylene, o-	106.17	0.82	J	2.0	0.52
1330-20-7	Xylene (total)	106.17	0.82	J	7.0	0.52
100-42-5	Styrene	104.15	2.0	U	2.0	0.59
75-25-2	Bromoform	252.75	2.0	U	2.0	1.2
98-82-8	Cumene	120.19	2.0	U	2.0	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.43
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.47
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.47
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.46
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.80

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: SG-6 Lab Sample ID: 200-67137-9
Matrix: Air Lab File ID: 200-54759-009.D
Analysis Method: TO-15 Date Collected: 03/02/2023 09:01
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 14:22
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.45
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.61
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.74
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.89
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.88
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	1.1
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.66
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	3.3
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	1.1
91-20-3	Naphthalene	128.17	5.0	U	5.0	3.0
87-61-6	1,2,3-Trichlorobenzene	181.40	5.0	U	5.0	3.2

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-6</u>	Lab Sample ID: <u>200-67137-9</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-009.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 09:01</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 14:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	5.4
75-45-6	Freon 22	86.47	5.3	J	18	4.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	3.4
74-87-3	Chloromethane	50.49	10	U	10	3.1
106-97-8	n-Butane	58.12	12	U	12	4.8
75-01-4	Vinyl chloride	62.50	2.0	U	2.0	0.54
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.86
74-83-9	Bromomethane	94.94	7.8	U	7.8	2.8
75-00-3	Chloroethane	64.52	13	U	13	4.7
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	2.2
75-69-4	Trichlorofluoromethane	137.37	11	U	11	2.8
76-13-1	Freon TF	187.38	15	U	15	4.1
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	1.0
67-64-1	Acetone	58.08	43	J	120	38
67-63-0	Isopropyl alcohol	60.10	120	U	120	39
75-15-0	Carbon disulfide	76.14	16	U	16	4.0
107-05-1	3-Chloropropene	76.53	16	U	16	3.8
75-09-2	Methylene Chloride	84.93	8.1	J	17	6.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	36
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	1.3
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	0.91
110-54-3	n-Hexane	86.17	4.4	J	18	3.9
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.0
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	14
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.83
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	0.83
67-66-3	Chloroform	119.38	9.8	U	9.8	2.0
109-99-9	Tetrahydrofuran	72.11	150	U	150	38
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	2.4
110-82-7	Cyclohexane	84.16	6.9	U	6.9	2.0
56-23-5	Carbon tetrachloride	153.81	2.2	U	2.2	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.8

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: SG-6 Lab Sample ID: 200-67137-9

Matrix: Air Lab File ID: 200-54759-009.D

Analysis Method: TO-15 Date Collected: 03/02/2023 09:01

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 14:22

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.8	J	6.4	1.4
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	3.8
142-82-5	n-Heptane	100.21	8.2	U	8.2	2.3
79-01-6	Trichloroethene	131.39	1.9	U	1.9	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	5.7
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	4.3
123-91-1	1,4-Dioxane	88.11	180	U	180	47
75-27-4	Bromodichloromethane	163.83	13	U	13	3.4
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	2.0
108-10-1	methyl isobutyl ketone	100.16	20	U	20	5.3
108-88-3	Toluene	92.14	4.6	J	7.5	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	2.5
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	4.0
127-18-4	Tetrachloroethene	165.83	4.2	J	14	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	6.1
124-48-1	Dibromochloromethane	208.28	17	U	17	5.4
106-93-4	1,2-Dibromoethane	187.87	15	U	15	3.2
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	2.0
100-41-4	Ethylbenzene	106.17	3.1	J	8.7	2.3
179601-23-1	m,p-Xylene	106.17	22	U	22	4.1
95-47-6	Xylene, o-	106.17	3.6	J	8.7	2.3
1330-20-7	Xylene (total)	106.17	3.6	J	30	2.3
100-42-5	Styrene	104.15	8.5	U	8.5	2.5
75-25-2	Bromoform	252.75	21	U	21	12
98-82-8	Cumene	120.19	9.8	U	9.8	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	3.0
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	2.3
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	2.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	2.4
98-06-6	tert-Butylbenzene	134.22	11	U	11	2.6
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	3.9

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: SG-6 Lab Sample ID: 200-67137-9
Matrix: Air Lab File ID: 200-54759-009.D
Analysis Method: TO-15 Date Collected: 03/02/2023 09:01
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 14:22
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	11	U	11	2.5
99-87-6	4-Isopropyltoluene	134.22	11	U	11	3.3
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	4.4
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	5.4
100-44-7	Benzyl chloride	126.58	10	U	10	4.6
104-51-8	n-Butylbenzene	134.22	11	U	11	6.0
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	4.0
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	24
87-68-3	Hexachlorobutadiene	260.76	21	U	21	12
91-20-3	Naphthalene	128.17	26	U	26	16
87-61-6	1,2,3-Trichlorobenzene	181.40	37	U	37	24

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-6</u>	Lab Sample ID: <u>200-67137-9</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-009.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 09:01</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 14:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>1</u>	TIC Result Total: <u>16</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	8.94	16	J N	90%

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D
 Lims ID: 200-67137-A-9
 Client ID: SG-6
 Sample Type: Client
 Inject. Date: 20-Mar-2023 14:22:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-009
 Misc. Info.: 67137-9
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 09:06:40 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: puangmaleek

Date: 21-Mar-2023 09:06:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.163	3.160	0.005	99	7721	0.0905	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	96	7326	0.1487	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	MU
5 Chloromethane	50		3.458				ND	7
6 Vinyl chloride	62		3.656				ND	
7 Butane	43		3.661				ND	7
8 Butadiene	54		3.730				ND	
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101		4.870				ND	7
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		5.795				ND	
19 Acetone	43	5.876	5.827	0.049	99	65697	1.80	
22 Isopropyl alcohol	45	6.197	6.088	0.113	99	14083	0.3166	
23 Carbon disulfide	76	6.148	6.147	0.005	62	2155	0.0261	
25 3-Chloro-1-propene	41		6.395				ND	7
26 Methylene Chloride	49	6.614	6.603	0.011	98	8223	0.2327	
27 2-Methyl-2-propanol	59		6.817				ND	7
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57	7.604	7.608	0.000	90	4769	0.1241	
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.871	8.812	0.064	95	2737	0.2258	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	96	275236	10.0	
38 Tetrahydrofuran	42		9.315				ND	
39 Chloroform	83		9.422				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84		9.904				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117		10.043				ND	
44 Benzene	78	10.418	10.423	0.006	95	5940	0.0568	
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43		11.017				ND	7
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	96	1463250	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	7
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.328	14.328	0.000	94	8117	0.1208	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166	15.403	15.403	0.005	89	3632	0.0621	
68 2-Hexanone	43	15.708	15.708	0.053	90	4321	0.0529	7M
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.196	17.190	0.006	89	1236164	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.474	17.468	0.006	99	10262	0.0703	
74 m-Xylene & p-Xylene	106	17.741	17.741	-0.011	0	4453	0.0893	
76 o-Xylene	106	18.565	18.570	0.005	97	4254	0.0820	
77 Styrene	104		18.597				ND	
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	7
S 82 Xylenes, Total	106				0		0.1713	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.095				ND	7
84 2-Chlorotoluene	91		20.245				ND	
85 4-Ethyltoluene	105		20.309				ND	MU
86 1,3,5-Trimethylbenzene	105		20.411				ND	7
89 tert-Butylbenzene	119		20.914				ND	7
90 1,2,4-Trimethylbenzene	105	21.010	21.011	0.005	77	3665	0.0332	
91 sec-Butylbenzene	105		21.256				ND	7
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119		21.481				ND	7
94 1,4-Dichlorobenzene	146		21.572				ND	7
95 Benzyl chloride	91		21.721				ND	7
97 n-Butylbenzene	91		22.048				ND	7
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.519				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128	25.001	25.003	0.006	1	1898	0.0156	
103 1,2,3-Trichlorobenzene	180		25.402				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington
Tentatively Identified Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D
 Lims ID: 200-67137-A-9
 Client ID: SG-6
 Sample Type: Client
 Inject. Date: 20-Mar-2023 14:22:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-009
 Misc. Info.: 67137-9
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 09:06:40 Calib Date: 10-Mar-2023 19:06:30
 Tic RT Window: 0.000 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\chromfs\Burlington\Database\NIST20.L
 Min. Match: 1
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1668
 First Level Reviewer: puangmaleek Date: 21-Mar-2023 09:06:40

Tentative Identified Compound Results

RT	Area	Amount ppb v/v	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
141-78-6	Ethyl Acetate							
8.936	352594	1.59	37	90	2284	C4H8O2	88	

Quantitation Compounds

Compound	RT	Area	Amount ppb v/v
* 37 Chlorobromomethane	9.241	2223825	10.0

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Worklist Smp#: 9

Client ID: SG-6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

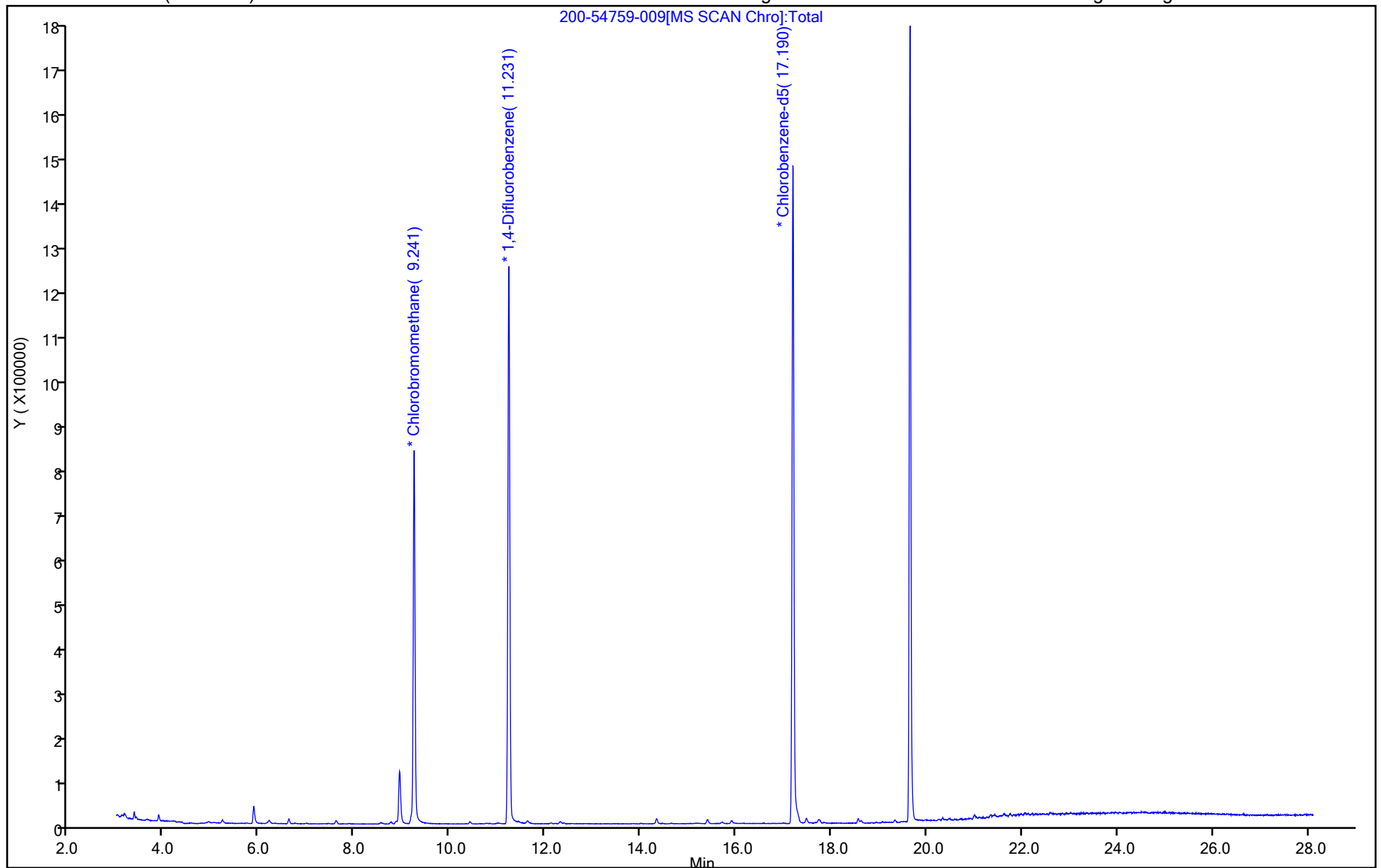
ALS Bottle#: 8

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

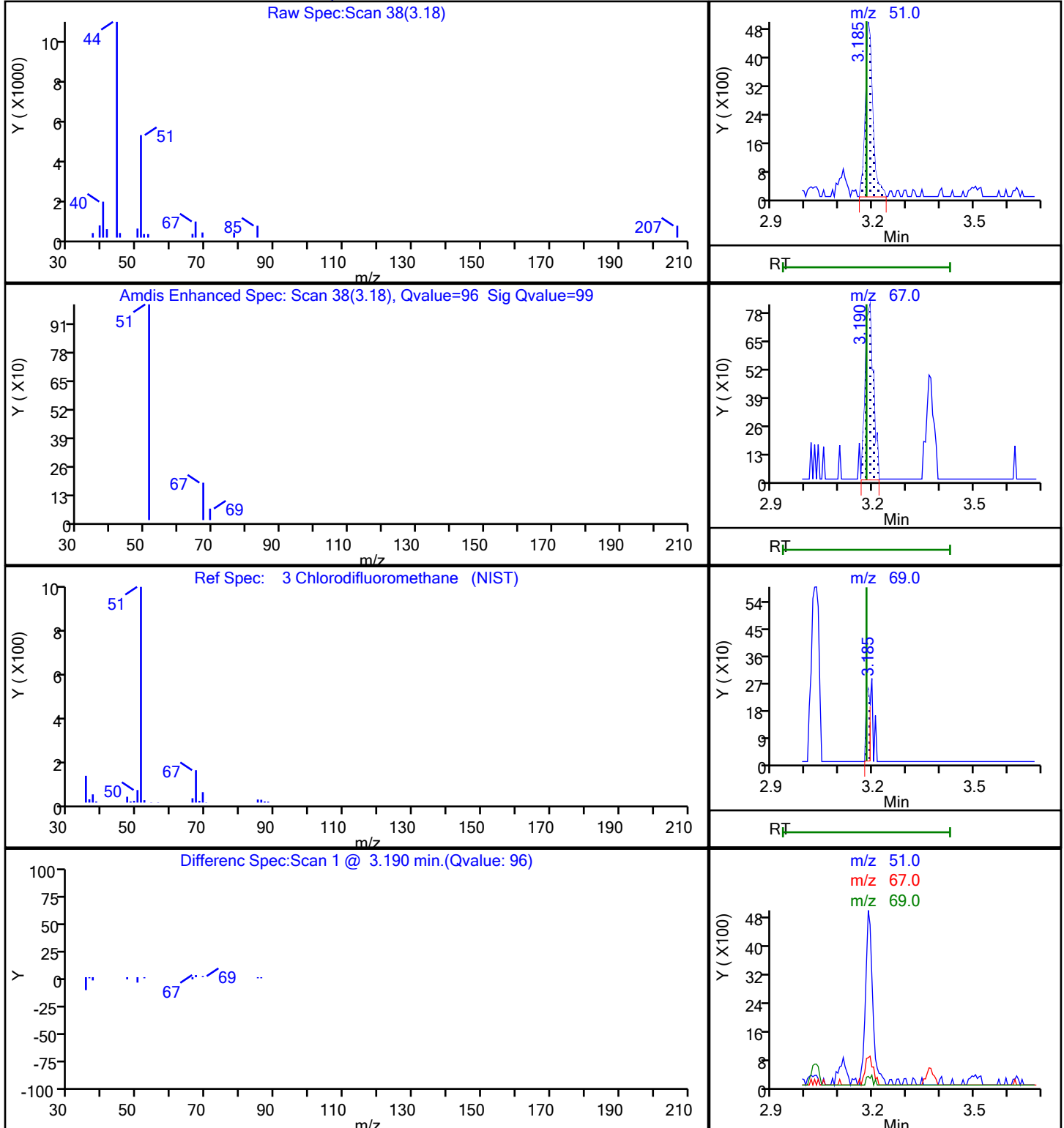
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

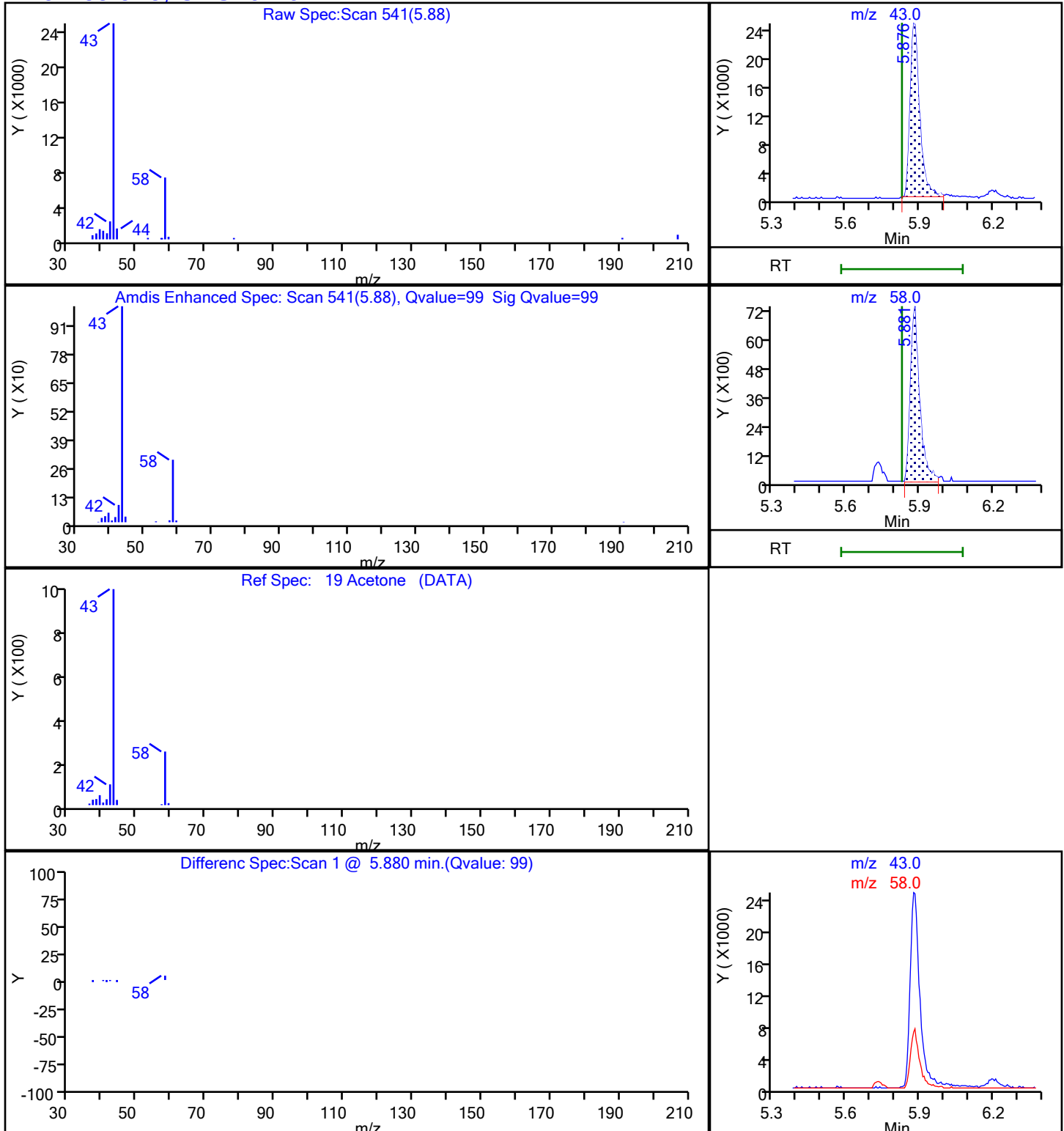
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

19 Acetone, CAS: 67-64-1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

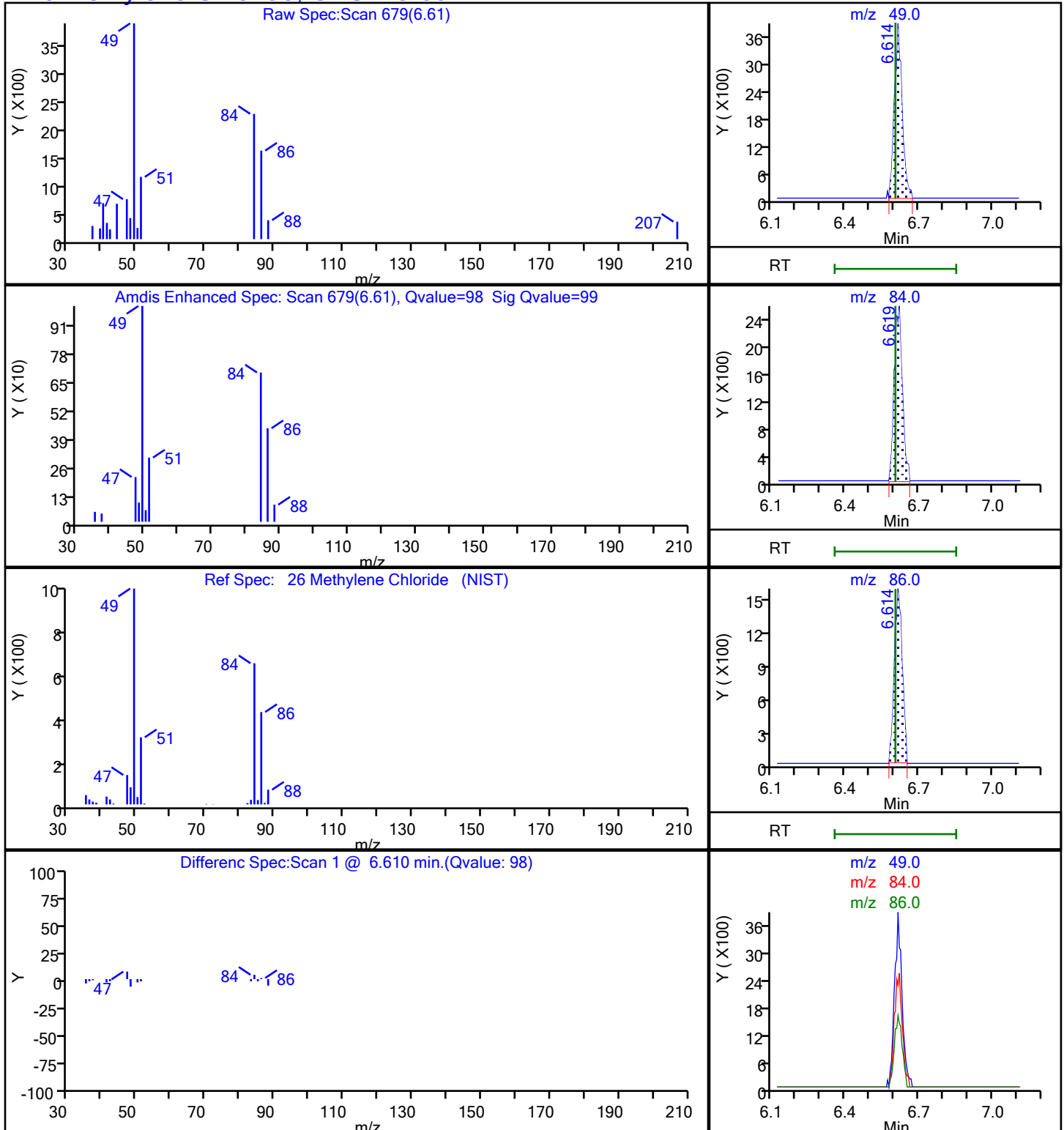
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

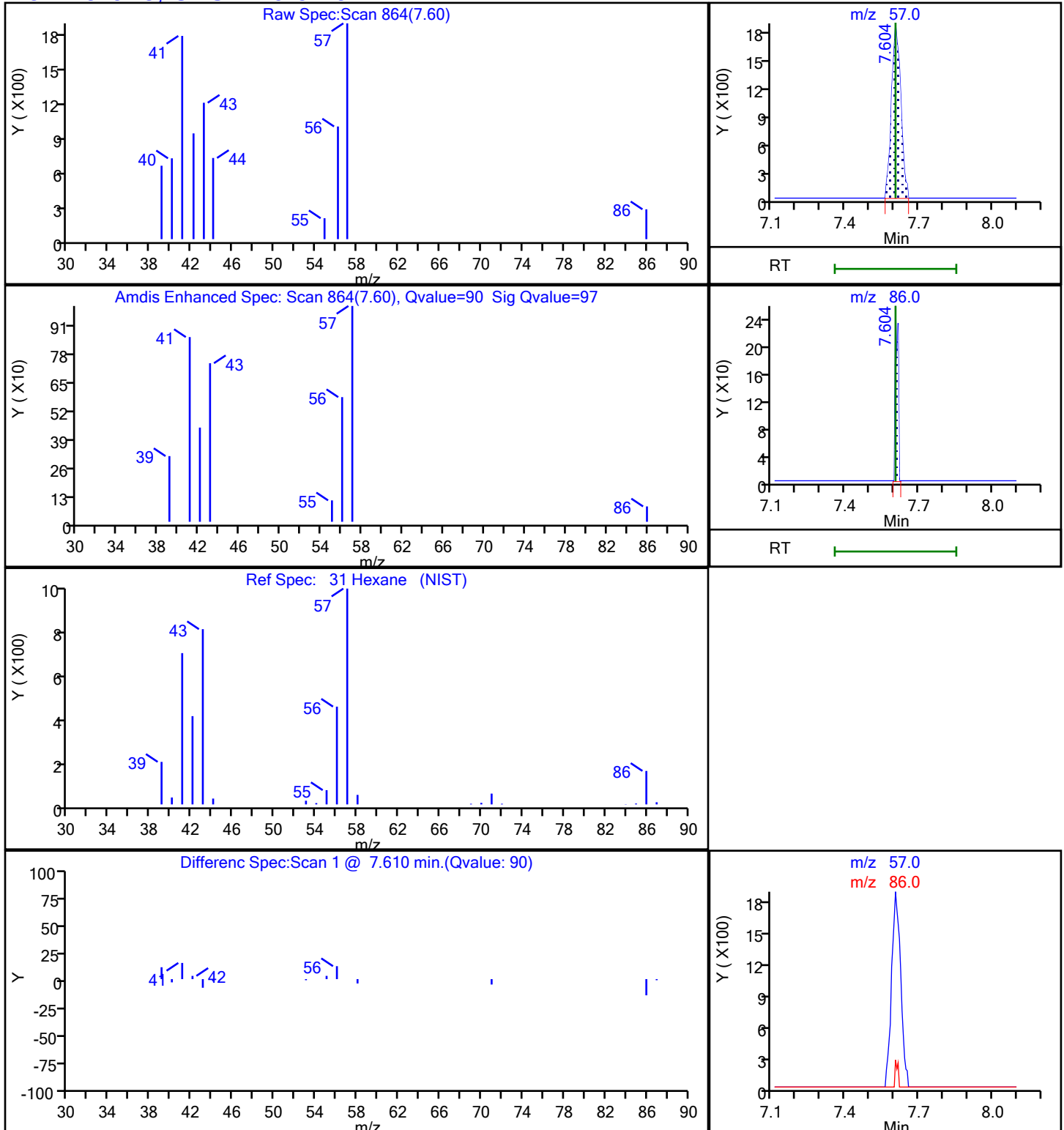
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

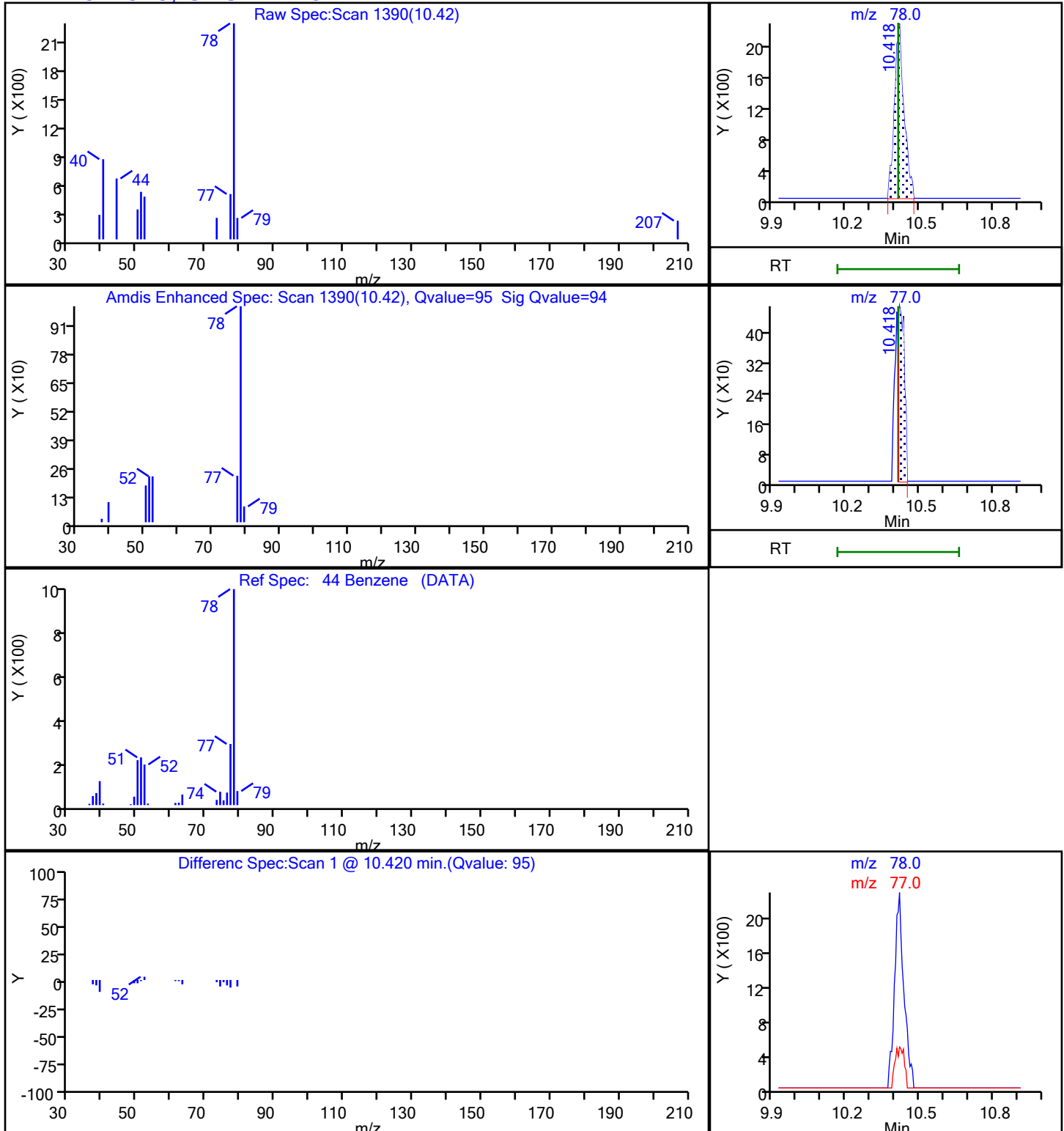
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

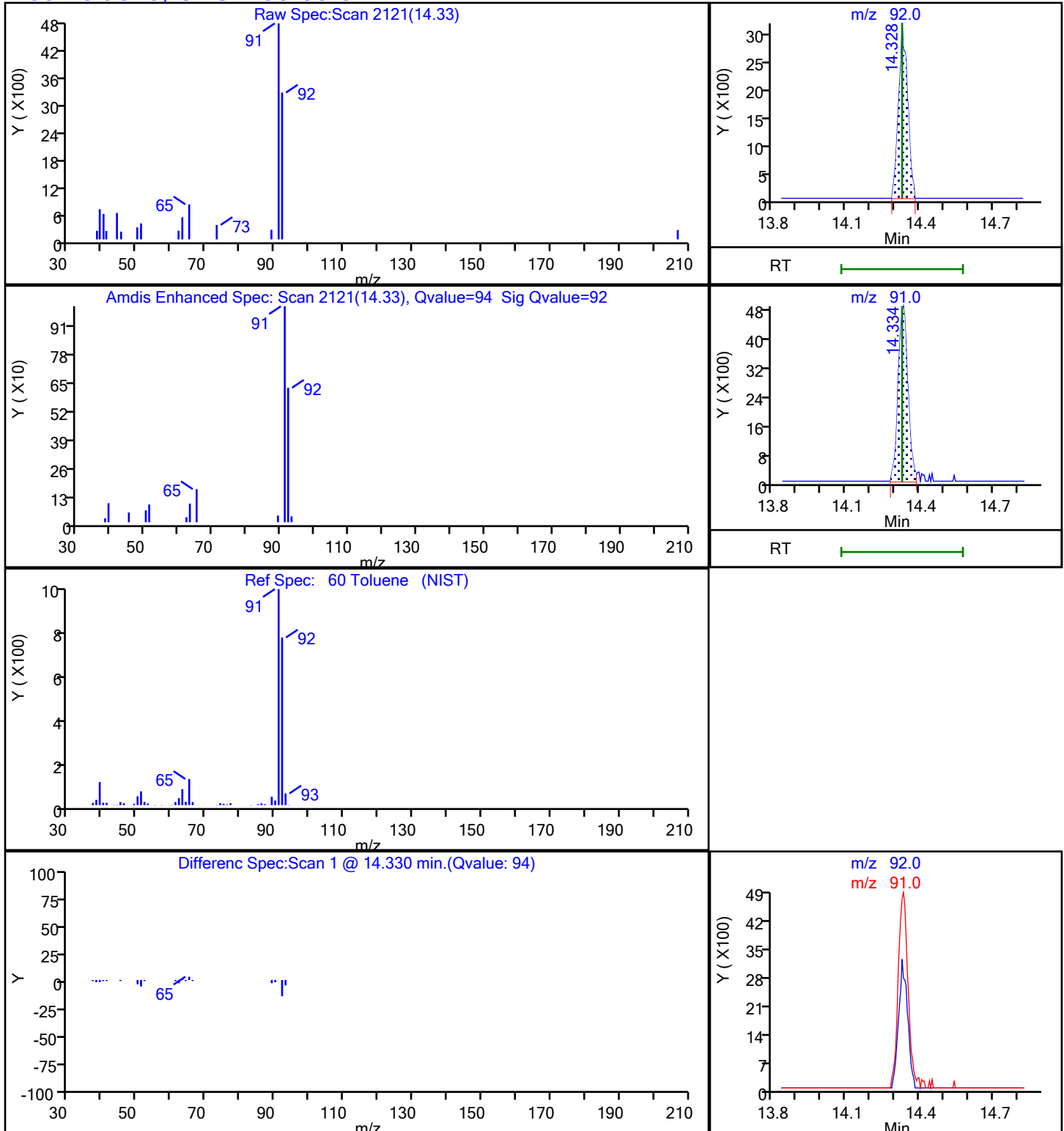
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

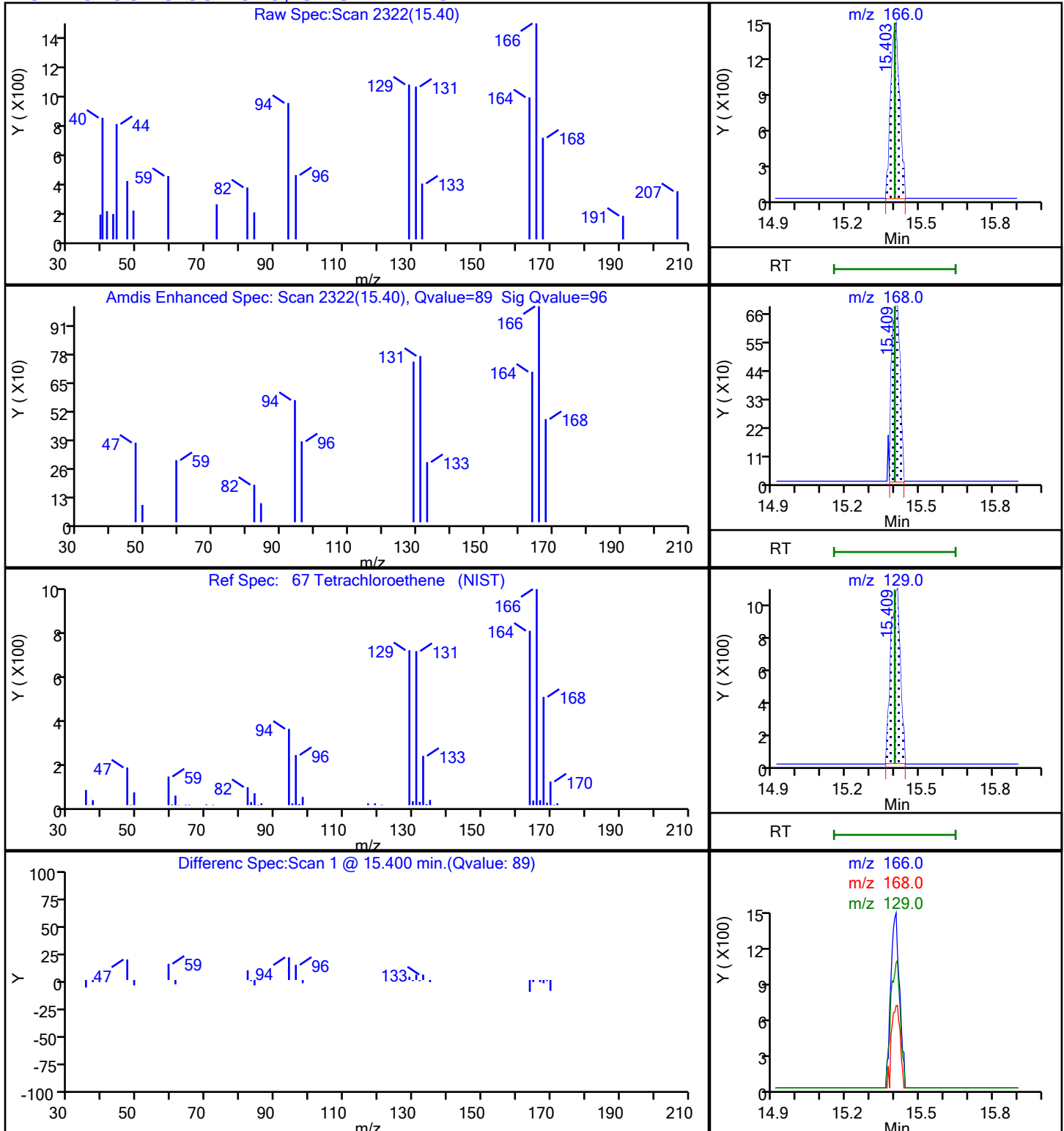
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

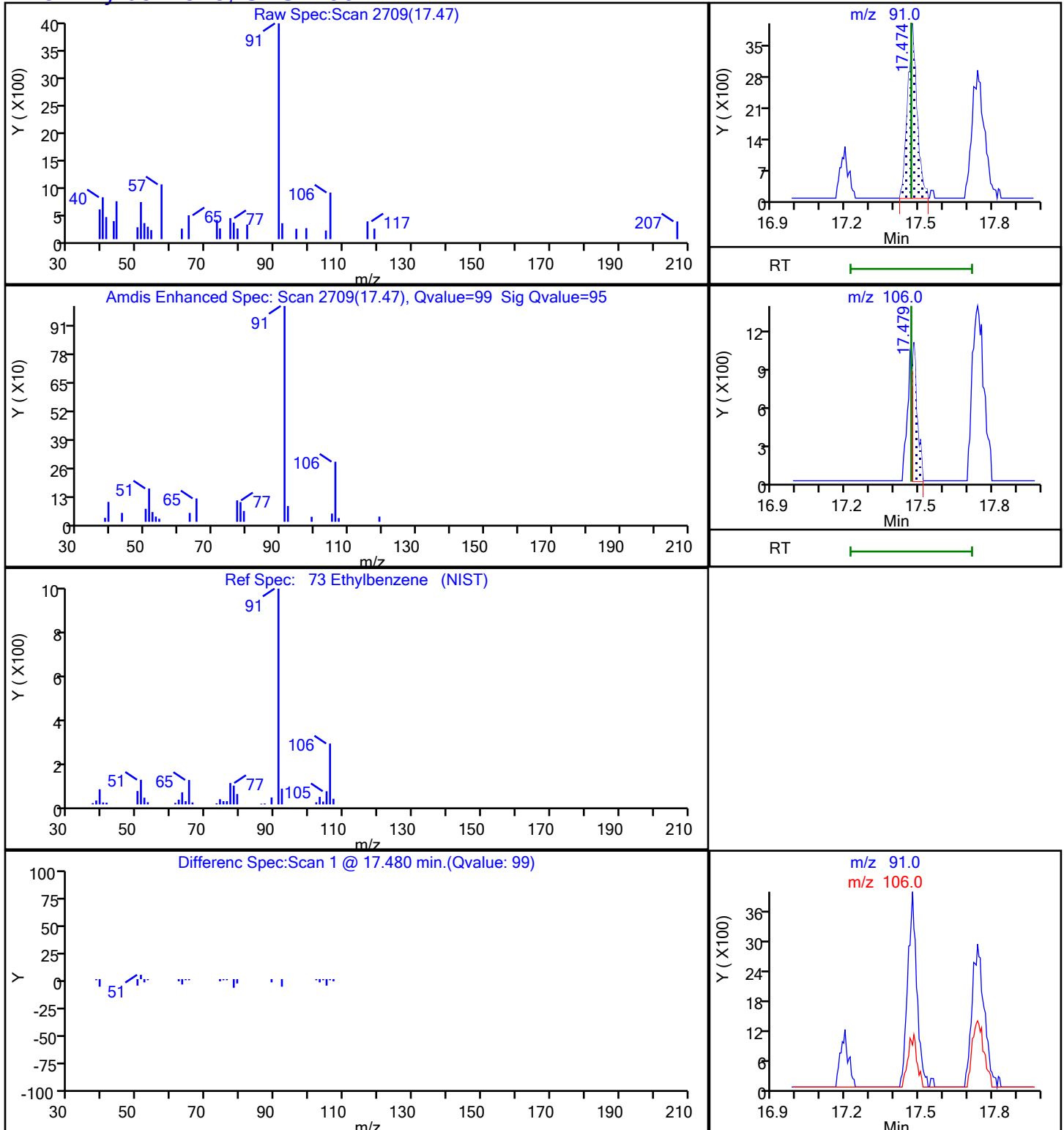
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8 Worklist Smp#: 9

Purge Vol: 200.000 mL

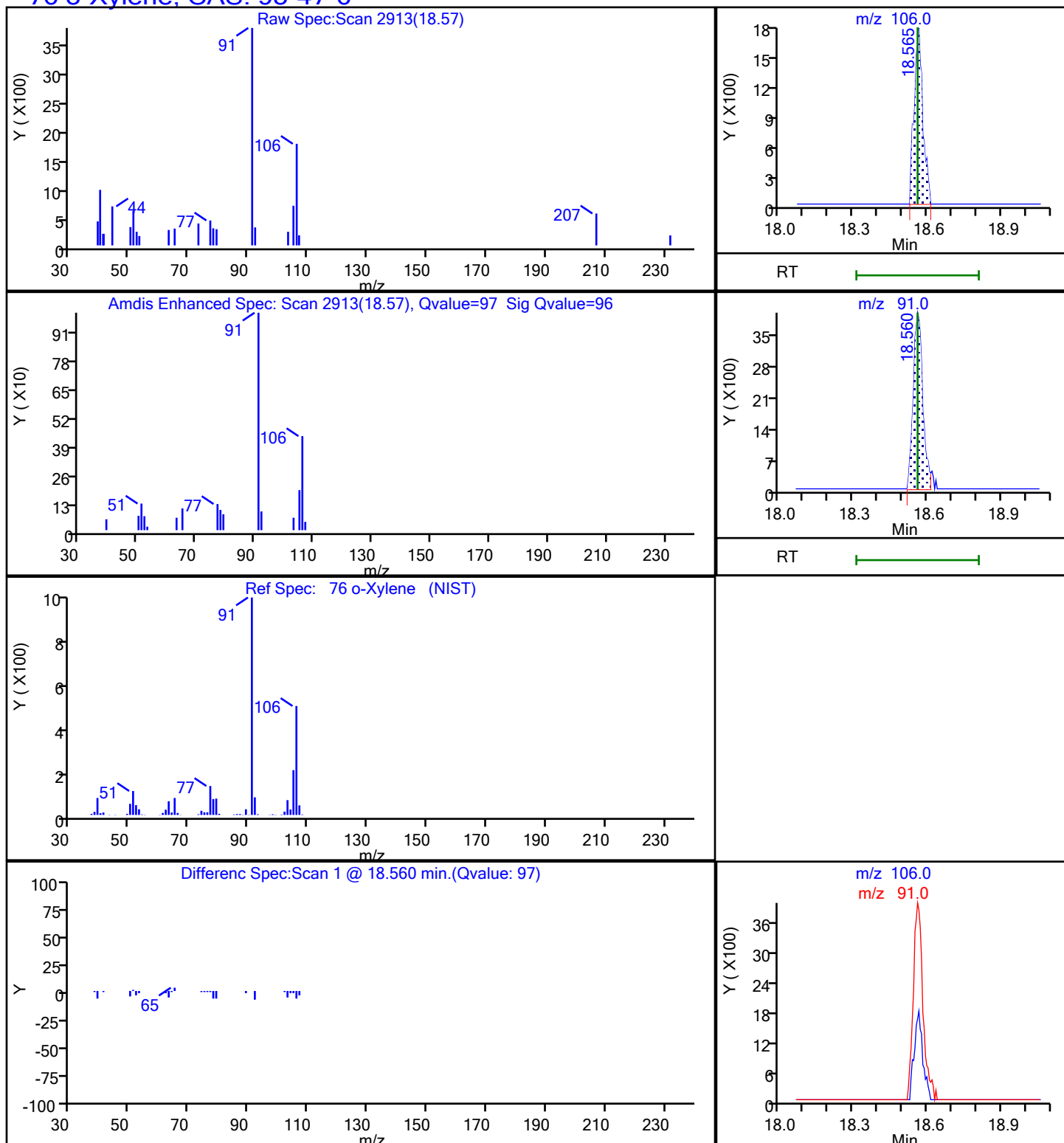
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8 Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

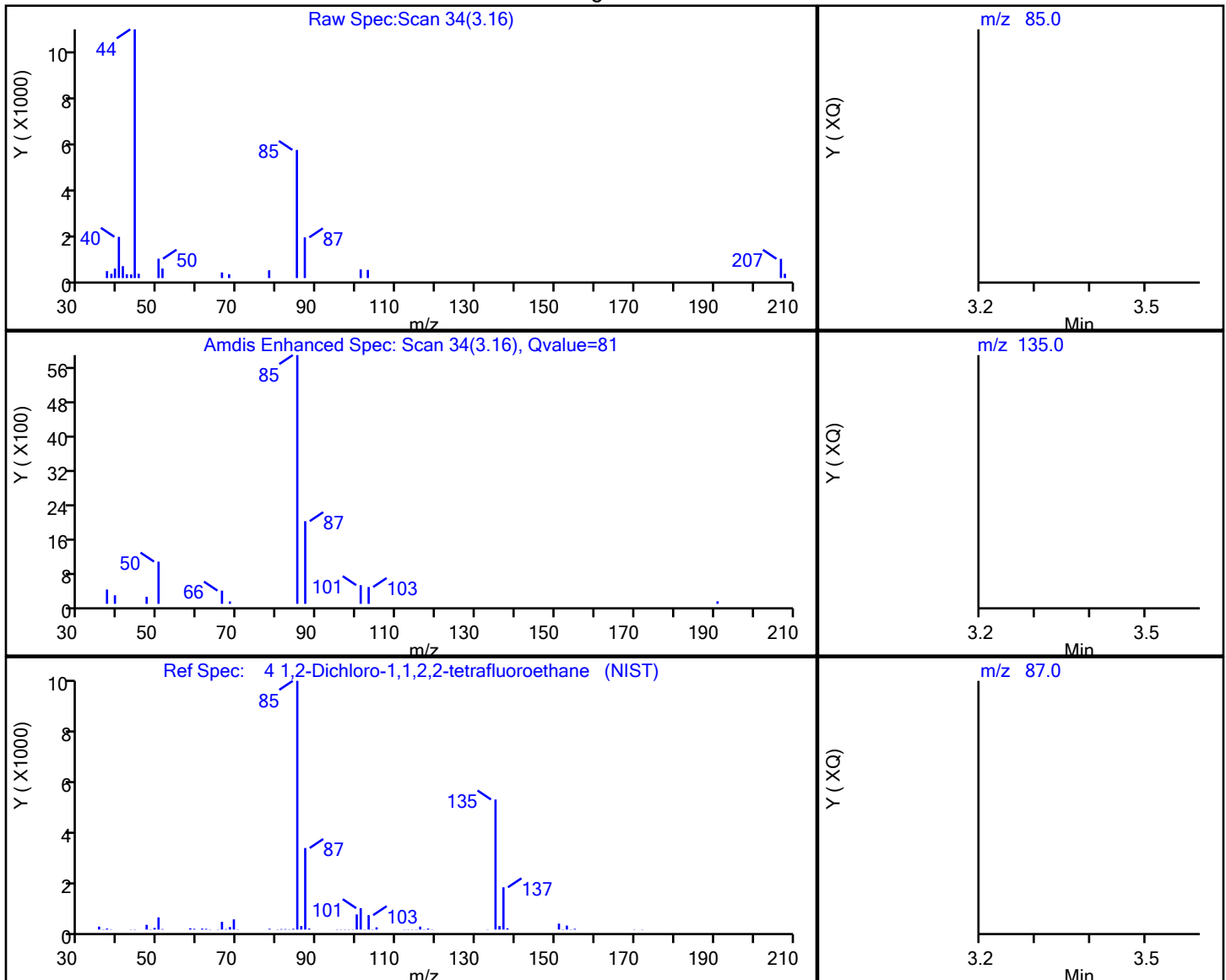
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
3.16	85.00	7721	0.097151
3.38	135.00	0	
3.16	87.00	2544	

Reviewer: puangmaleek, 21-Mar-2023 09:02:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

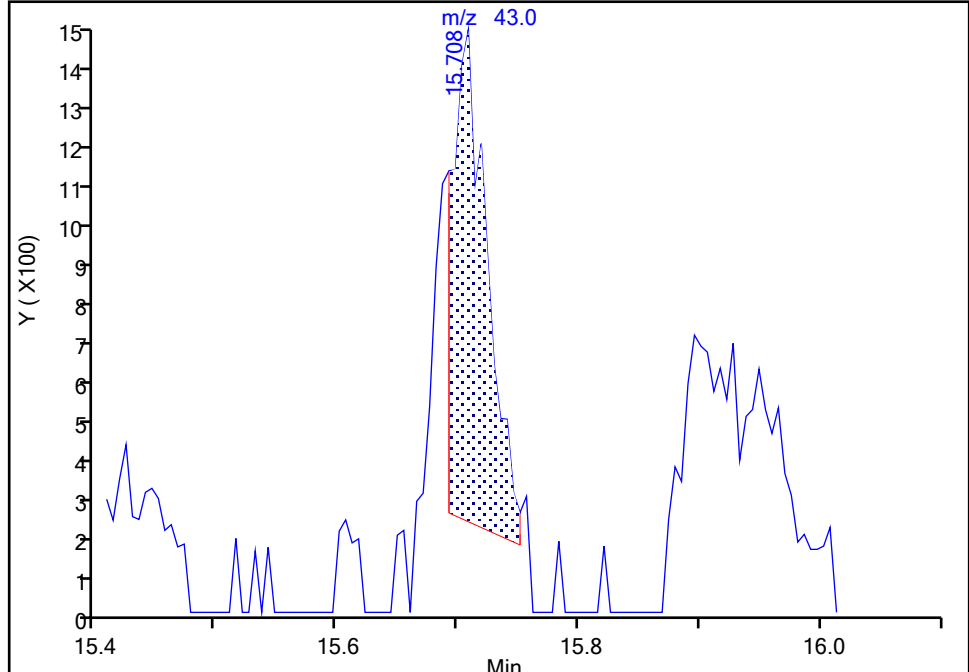
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D		
Injection Date:	20-Mar-2023 14:22:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-9	Lab Sample ID:	200-67137-9
Client ID:	SG-6		
Operator ID:	vtp	ALS Bottle#:	8
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	9

68 2-Hexanone, CAS: 591-78-6

Signal: 1

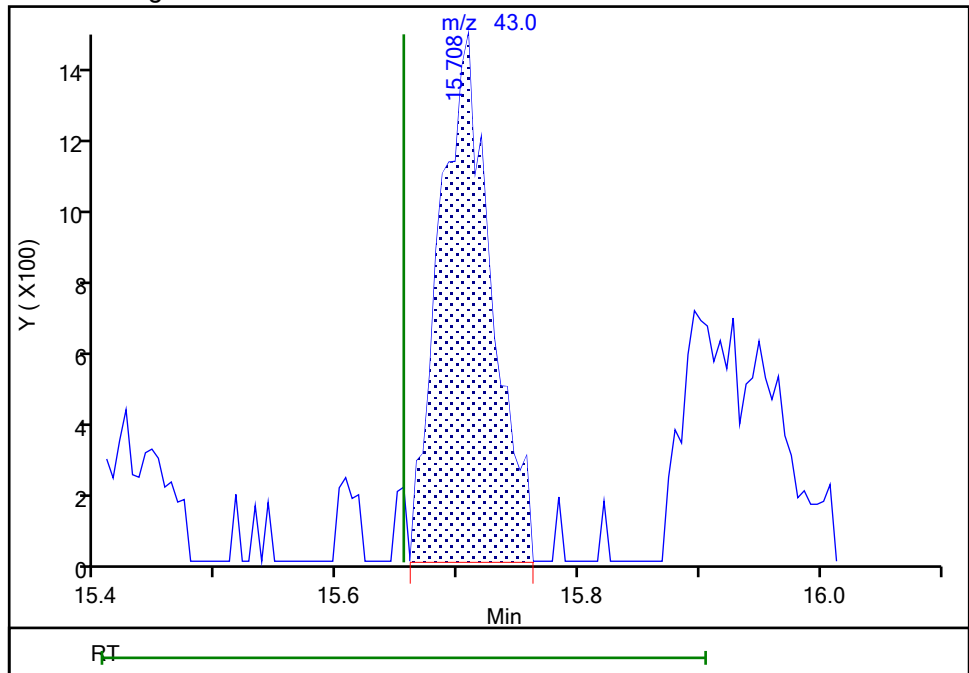
RT: 15.71
Area: 2468
Amount: 0.030234
Amount Units: ppb v/v

Processing Integration Results



RT: 15.71
Area: 4321
Amount: 0.052934
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 21-Mar-2023 09:05:36

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

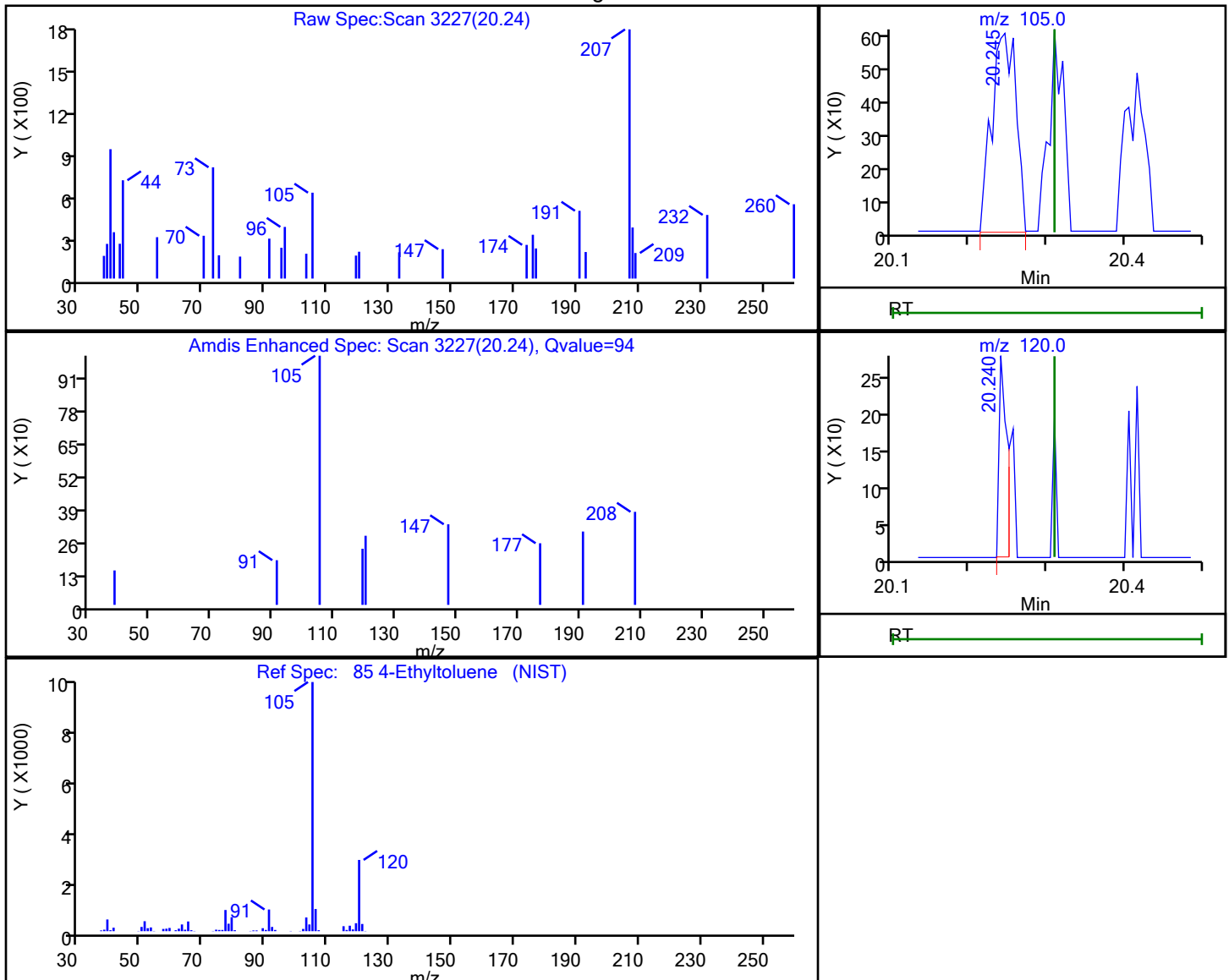
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

85 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
20.24	105.00	1317	0.010086
20.24	120.00	198	

Reviewer: puangmaleek, 21-Mar-2023 09:05:46

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-009.D

Injection Date: 20-Mar-2023 14:22:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-9

Lab Sample ID: 200-67137-9

Client ID: SG-6

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

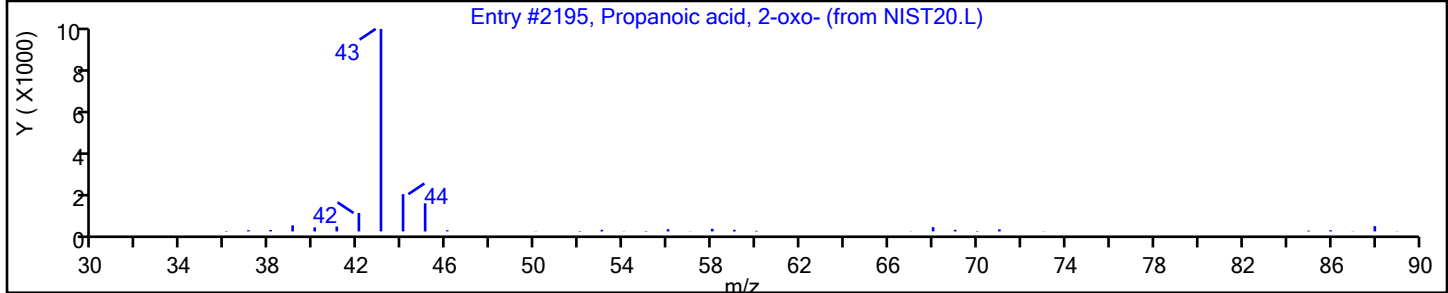
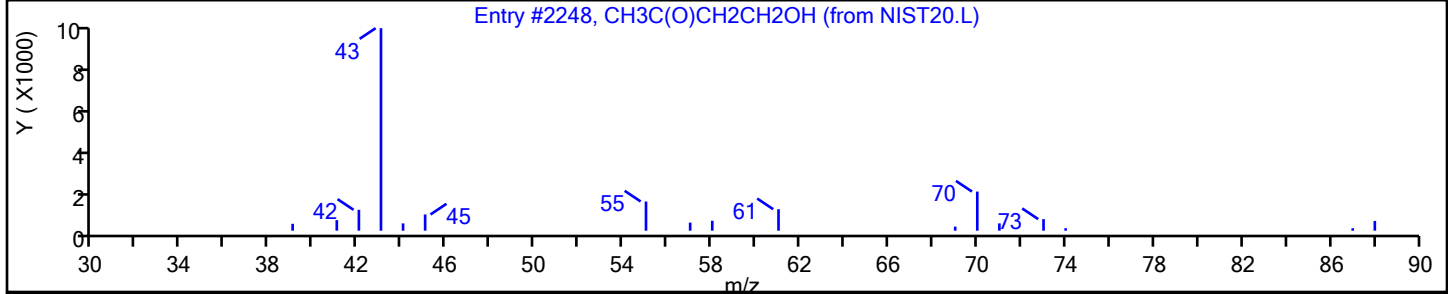
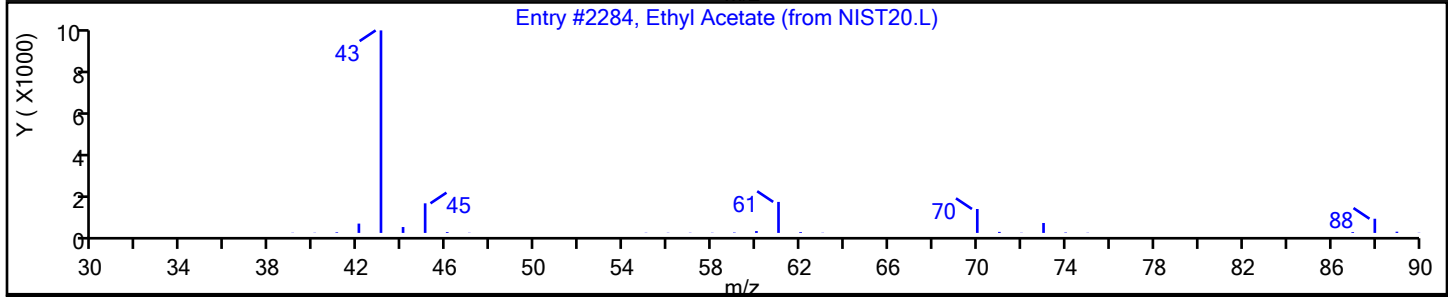
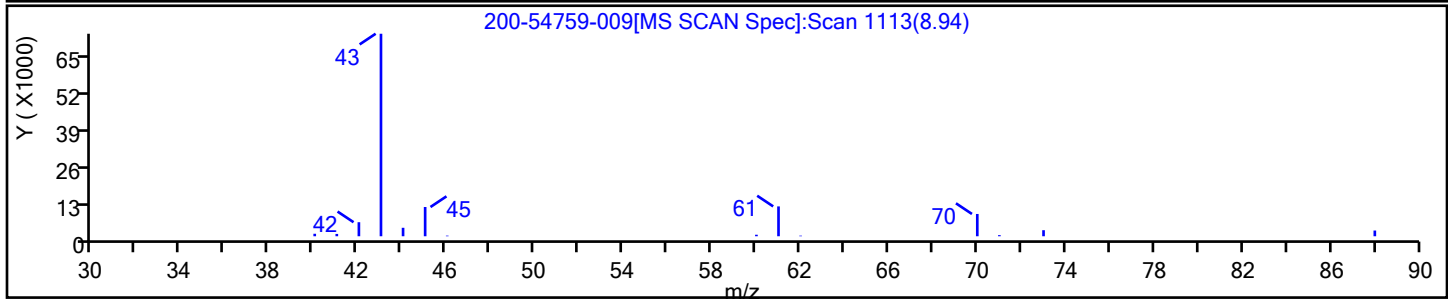
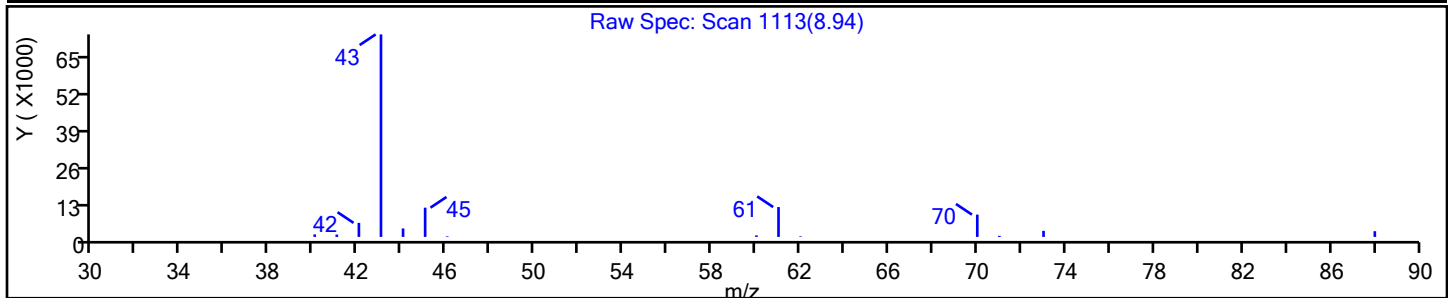
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl Acetate	141-78-6	NIST20.L	2284	C4H8O2	88	90
CH3C(O)CH2CH2OH	590-90-9	NIST20.L	2248	C4H8O2	88	9
Propanoic acid, 2-oxo-	127-17-3	NIST20.L	2195	C3H4O3	88	9



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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-4</u>	Lab Sample ID: <u>200-67137-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-010.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 09:36</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 15:15</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	1.1
75-45-6	Freon 22	86.47	5.0	U	5.0	1.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	0.48
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.5
106-97-8	n-Butane	58.12	5.0	U	5.0	2.0
75-01-4	Vinyl chloride	62.50	0.78	U	0.78	0.21
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.39
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.71
75-00-3	Chloroethane	64.52	5.0	U	5.0	1.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	0.50
75-69-4	Trichlorofluoromethane	137.37	2.0	U	2.0	0.50
76-13-1	Freon TF	187.38	2.0	U	2.0	0.53
75-35-4	1,1-Dichloroethene	96.94	0.35	U	0.35	0.26
67-64-1	Acetone	58.08	50	U	50	16
67-63-0	Isopropyl alcohol	60.10	50	U	50	16
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	1.3
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	1.2
75-09-2	Methylene Chloride	84.93	4.0	J	5.0	1.8
75-65-0	tert-Butyl alcohol	74.12	50	U	50	12
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.23
110-54-3	n-Hexane	86.17	1.9	J	5.0	1.1
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.25
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	0.50	U	0.50	0.21
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.21
67-66-3	Chloroform	119.38	2.0	U	2.0	0.41
109-99-9	Tetrahydrofuran	72.11	50	U	50	13
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.44
110-82-7	Cyclohexane	84.16	2.0	U	2.0	0.58
56-23-5	Carbon tetrachloride	153.81	0.35	U	0.35	0.22
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.38

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: SG-4 Lab Sample ID: 200-67137-10

Matrix: Air Lab File ID: 200-54759-010.D

Analysis Method: TO-15 Date Collected: 03/02/2023 09:36

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 15:15

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.72	J	2.0	0.44
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.93
142-82-5	n-Heptane	100.21	2.0	U	2.0	0.55
79-01-6	Trichloroethene	131.39	0.35	U	0.35	0.25
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	1.4
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.94
123-91-1	1,4-Dioxane	88.11	50	U	50	13
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.50
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.45
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	1.3
108-88-3	Toluene	92.14	1.9	J	2.0	0.42
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.54
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.74
127-18-4	Tetrachloroethene	165.83	2.0	U	2.0	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	1.5
124-48-1	Dibromochloromethane	208.28	2.0	U	2.0	0.63
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.42
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.44
100-41-4	Ethylbenzene	106.17	0.60	J	2.0	0.52
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.95
95-47-6	Xylene, o-	106.17	0.68	J	2.0	0.52
1330-20-7	Xylene (total)	106.17	0.68	J	7.0	0.52
100-42-5	Styrene	104.15	2.0	U	2.0	0.59
75-25-2	Bromoform	252.75	2.0	U	2.0	1.2
98-82-8	Cumene	120.19	2.0	U	2.0	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.43
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.47
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.47
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.46
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.80

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: SG-4 Lab Sample ID: 200-67137-10
Matrix: Air Lab File ID: 200-54759-010.D
Analysis Method: TO-15 Date Collected: 03/02/2023 09:36
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 15:15
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.45
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.61
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.74
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.89
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.88
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	1.1
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.66
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	3.3
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	1.1
91-20-3	Naphthalene	128.17	5.0	U	5.0	3.0
87-61-6	1,2,3-Trichlorobenzene	181.40	5.0	U	5.0	3.2

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: SG-4 Lab Sample ID: 200-67137-10

Matrix: Air Lab File ID: 200-54759-010.D

Analysis Method: TO-15 Date Collected: 03/02/2023 09:36

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 15:15

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	5.4
75-45-6	Freon 22	86.47	18	U	18	4.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	3.4
74-87-3	Chloromethane	50.49	10	U	10	3.1
106-97-8	n-Butane	58.12	12	U	12	4.8
75-01-4	Vinyl chloride	62.50	2.0	U	2.0	0.54
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.86
74-83-9	Bromomethane	94.94	7.8	U	7.8	2.8
75-00-3	Chloroethane	64.52	13	U	13	4.7
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	2.2
75-69-4	Trichlorofluoromethane	137.37	11	U	11	2.8
76-13-1	Freon TF	187.38	15	U	15	4.1
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	1.0
67-64-1	Acetone	58.08	120	U	120	38
67-63-0	Isopropyl alcohol	60.10	120	U	120	39
75-15-0	Carbon disulfide	76.14	16	U	16	4.0
107-05-1	3-Chloropropene	76.53	16	U	16	3.8
75-09-2	Methylene Chloride	84.93	14	J	17	6.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	36
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	1.3
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	0.91
110-54-3	n-Hexane	86.17	6.6	J	18	3.9
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.0
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	14
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.83
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	0.83
67-66-3	Chloroform	119.38	9.8	U	9.8	2.0
109-99-9	Tetrahydrofuran	72.11	150	U	150	38
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	2.4
110-82-7	Cyclohexane	84.16	6.9	U	6.9	2.0
56-23-5	Carbon tetrachloride	153.81	2.2	U	2.2	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.8

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-4</u>	Lab Sample ID: <u>200-67137-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-010.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 09:36</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 15:15</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	2.3	J	6.4	1.4
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	3.8
142-82-5	n-Heptane	100.21	8.2	U	8.2	2.3
79-01-6	Trichloroethene	131.39	1.9	U	1.9	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	5.7
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	4.3
123-91-1	1,4-Dioxane	88.11	180	U	180	47
75-27-4	Bromodichloromethane	163.83	13	U	13	3.4
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	2.0
108-10-1	methyl isobutyl ketone	100.16	20	U	20	5.3
108-88-3	Toluene	92.14	7.2	J	7.5	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	2.5
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	4.0
127-18-4	Tetrachloroethene	165.83	14	U	14	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	6.1
124-48-1	Dibromochloromethane	208.28	17	U	17	5.4
106-93-4	1,2-Dibromoethane	187.87	15	U	15	3.2
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	2.0
100-41-4	Ethylbenzene	106.17	2.6	J	8.7	2.3
179601-23-1	m,p-Xylene	106.17	22	U	22	4.1
95-47-6	Xylene, o-	106.17	3.0	J	8.7	2.3
1330-20-7	Xylene (total)	106.17	3.0	J	30	2.3
100-42-5	Styrene	104.15	8.5	U	8.5	2.5
75-25-2	Bromoform	252.75	21	U	21	12
98-82-8	Cumene	120.19	9.8	U	9.8	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	3.0
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	2.3
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	2.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	2.4
98-06-6	tert-Butylbenzene	134.22	11	U	11	2.6
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	3.9

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: SG-4 Lab Sample ID: 200-67137-10
Matrix: Air Lab File ID: 200-54759-010.D
Analysis Method: TO-15 Date Collected: 03/02/2023 09:36
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 15:15
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	11	U	11	2.5
99-87-6	4-Isopropyltoluene	134.22	11	U	11	3.3
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	4.4
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	5.4
100-44-7	Benzyl chloride	126.58	10	U	10	4.6
104-51-8	n-Butylbenzene	134.22	11	U	11	6.0
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	4.0
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	24
87-68-3	Hexachlorobutadiene	260.76	21	U	21	12
91-20-3	Naphthalene	128.17	26	U	26	16
87-61-6	1,2,3-Trichlorobenzene	181.40	37	U	37	24

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-4</u>	Lab Sample ID: <u>200-67137-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-010.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 09:36</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 15:15</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>1</u>	TIC Result Total: <u>34</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	8.94	34	J N	90%

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D
 Lims ID: 200-67137-A-10
 Client ID: SG-4
 Sample Type: Client
 Inject. Date: 20-Mar-2023 15:15:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-010
 Misc. Info.: 67137-10
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 09:10:14 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: puangmaleek

Date: 21-Mar-2023 09:10:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.163	3.160	0.005	97	3243	0.0387	
3 Chlorodifluoromethane	51	3.190	3.179	0.011	97	4212	0.0871	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50	3.468	3.460	0.010	90	1320	0.0491	
6 Vinyl chloride	62		3.656				ND	
7 Butane	43		3.661				ND	MU
8 Butadiene	54		3.730				ND	
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101		4.870				ND	7
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		5.795				ND	
19 Acetone	43	5.881	5.827	0.054	99	38941	1.09	
22 Isopropyl alcohol	45	6.218	6.088	0.134	99	8999	0.2061	
23 Carbon disulfide	76		6.143				ND	7
25 3-Chloro-1-propene	41		6.395				ND	7
26 Methylene Chloride	49	6.619	6.603	0.016	97	13727	0.3957	
27 2-Methyl-2-propanol	59		6.817				ND	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57	7.604	7.608	0.000	89	7093	0.1880	
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.861	8.812	0.054	95	2274	0.1912	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.246	9.241	0.005	95	270158	10.0	
38 Tetrahydrofuran	42		9.315				ND	
39 Chloroform	83		9.422				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84	9.899	9.904	-0.005	1	213	0.005634	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117		10.043				ND	
44 Benzene	78	10.423	10.423	0.011	97	7092	0.0724	
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43	11.017	11.038	0.000	74	1665	0.0247	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	96	1371287	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.334	14.328	0.006	95	11445	0.1912	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166		15.398				ND	7
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.190	17.190	0.000	87	1100955	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.474	17.468	0.006	96	7761	0.0597	
74 m-Xylene & p-Xylene	106	17.736	17.741	-0.016	0	2484	0.0559	
76 o-Xylene	106	18.571	18.571	0.011	96	3142	0.0680	M
77 Styrene	104		18.597				ND	
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	7
S 82 Xylenes, Total	106				0		0.1239	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.095				ND	7
84 2-Chlorotoluene	91		20.245				ND	7
85 4-Ethyltoluene	105		20.309				ND	7
86 1,3,5-Trimethylbenzene	105		20.411				ND	7
89 tert-Butylbenzene	119		20.914				ND	7
90 1,2,4-Trimethylbenzene	105	21.010	21.011	0.005	84	2931	0.0298	
91 sec-Butylbenzene	105		21.256				ND	
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119		21.481				ND	7
94 1,4-Dichlorobenzene	146		21.572				ND	7
95 Benzyl chloride	91		21.721				ND	7
97 n-Butylbenzene	91		22.048				ND	7
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.519				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128		24.995				ND	7
103 1,2,3-Trichlorobenzene	180		25.402				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington
Tentatively Identified Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D
 Lims ID: 200-67137-A-10
 Client ID: SG-4
 Sample Type: Client
 Inject. Date: 20-Mar-2023 15:15:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-010
 Misc. Info.: 67137-10
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 09:10:14 Calib Date: 10-Mar-2023 19:06:30
 Tic RT Window: 0.000 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\chromfs\Burlington\Database\NIST20.L
 Min. Match: 1
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1668
 First Level Reviewer: puangmaleek Date: 21-Mar-2023 09:10:14

Tentative Identified Compound Results

RT	Area	Amount ppb v/v	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
141-78-6	Ethyl Acetate							
8.936	730011	3.42	37	90	2284	C4H8O2	88	

Quantitation Compounds

Compound	RT	Area	Amount ppb v/v
* 37 Chlorobromomethane	9.246	2137110	10.0

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 21-Mar-2023 09:10:15

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Worklist Smp#: 10

Client ID: SG-4

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

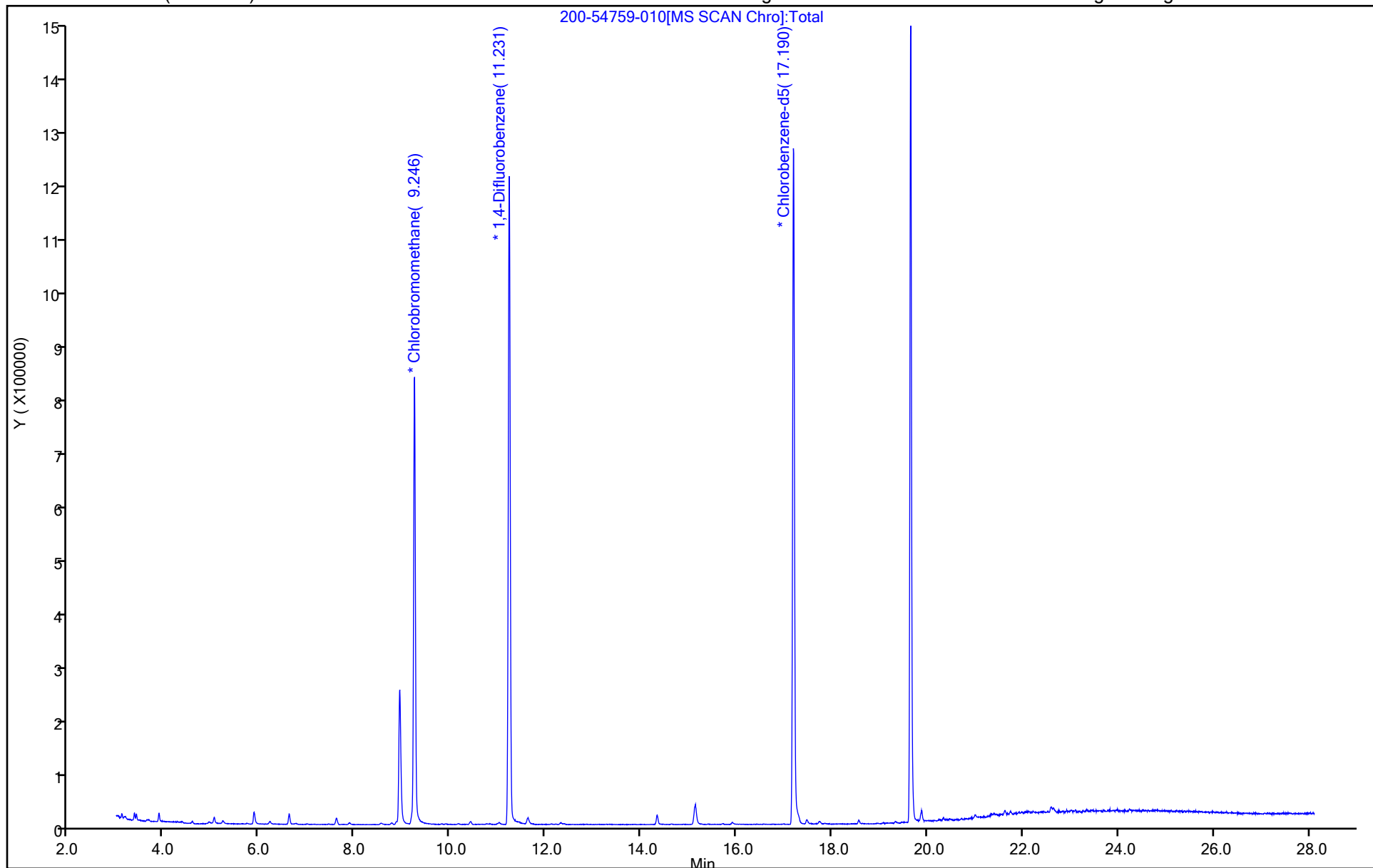
ALS Bottle#: 9

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



3/21/2023 4:48

PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Client ID: SG-4

Operator ID: vtp

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

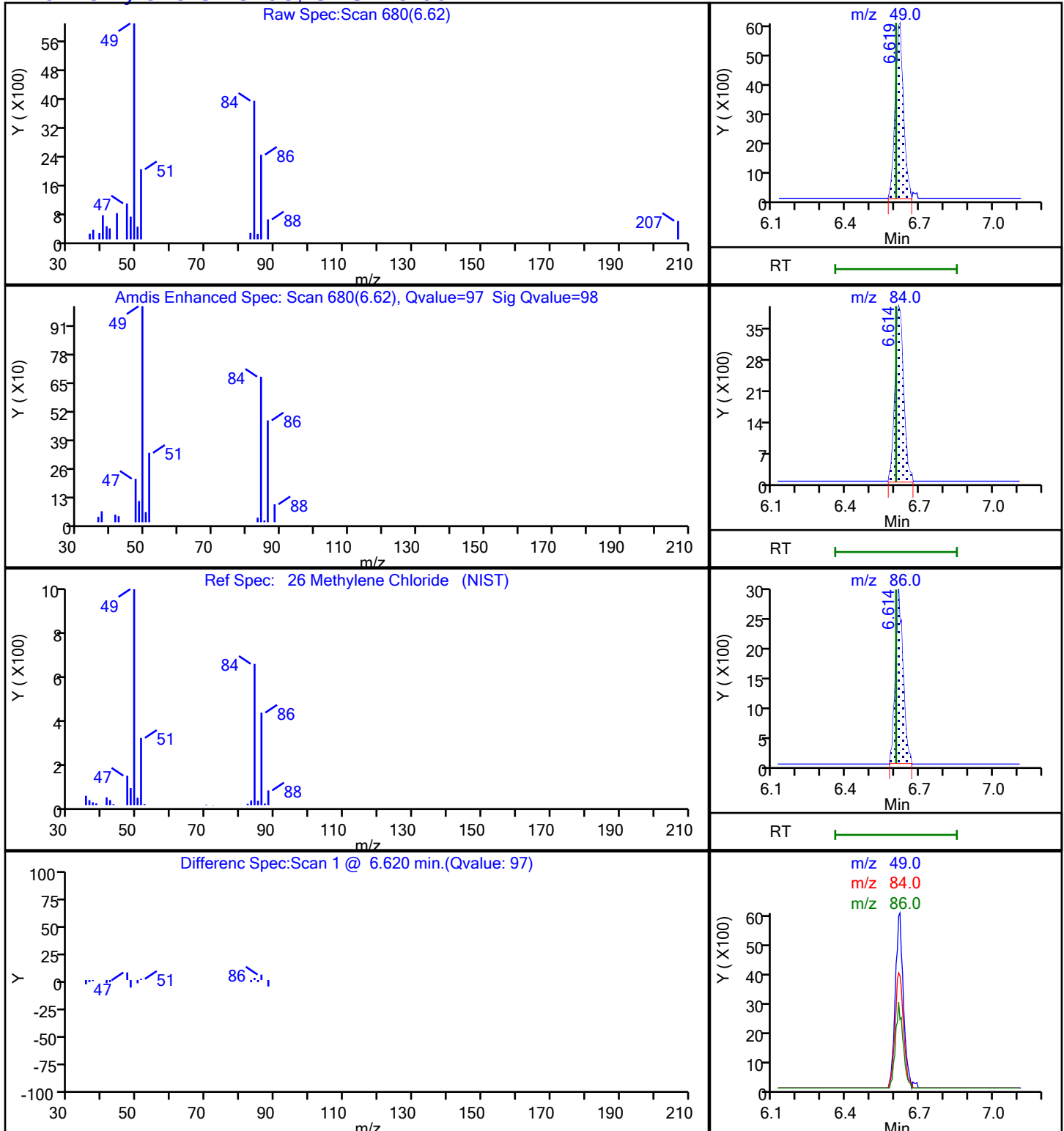
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Client ID: SG-4

Operator ID: vtp

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

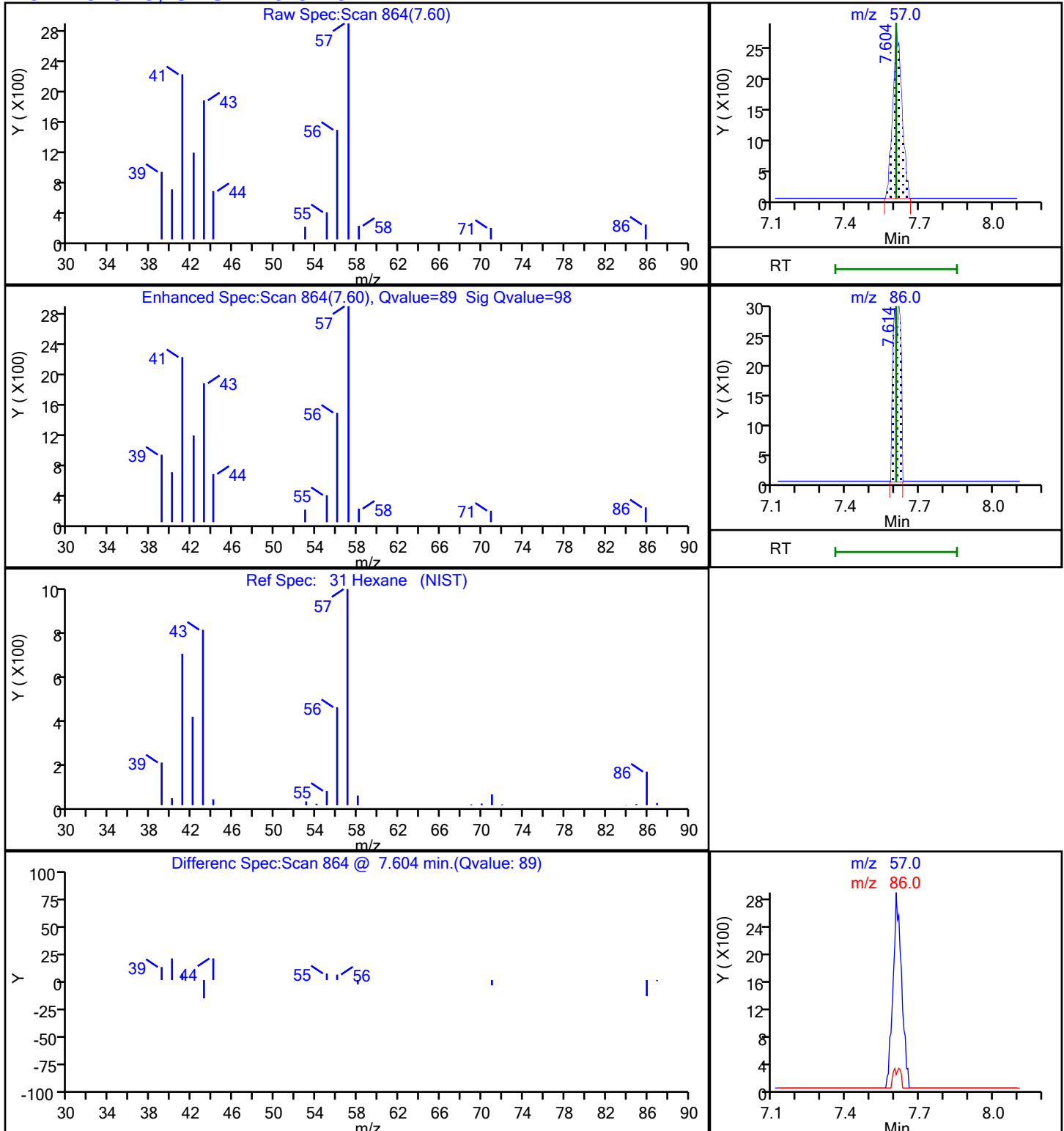
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Client ID: SG-4

Operator ID: vtp

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

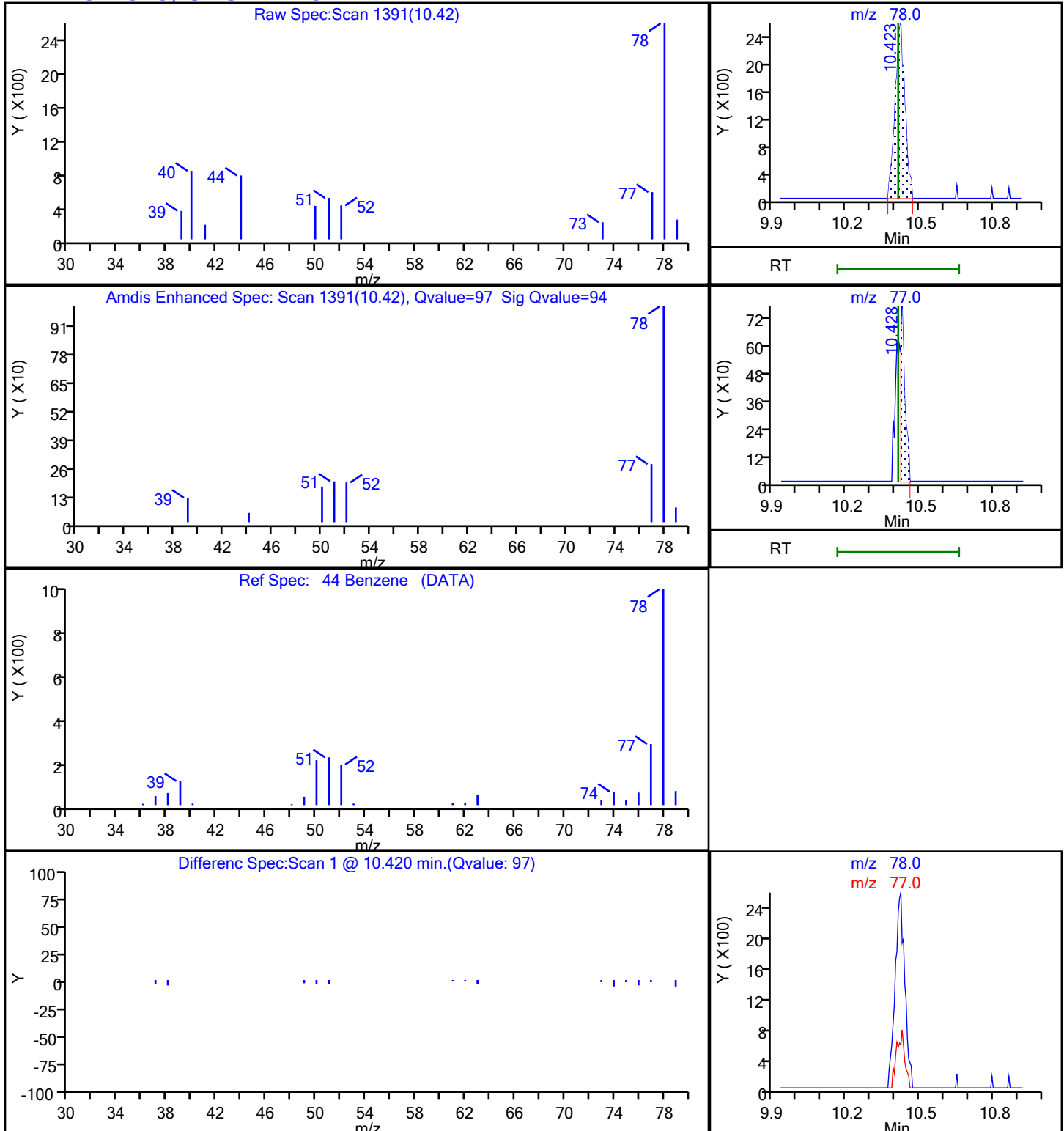
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Client ID: SG-4

Operator ID: vtp

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

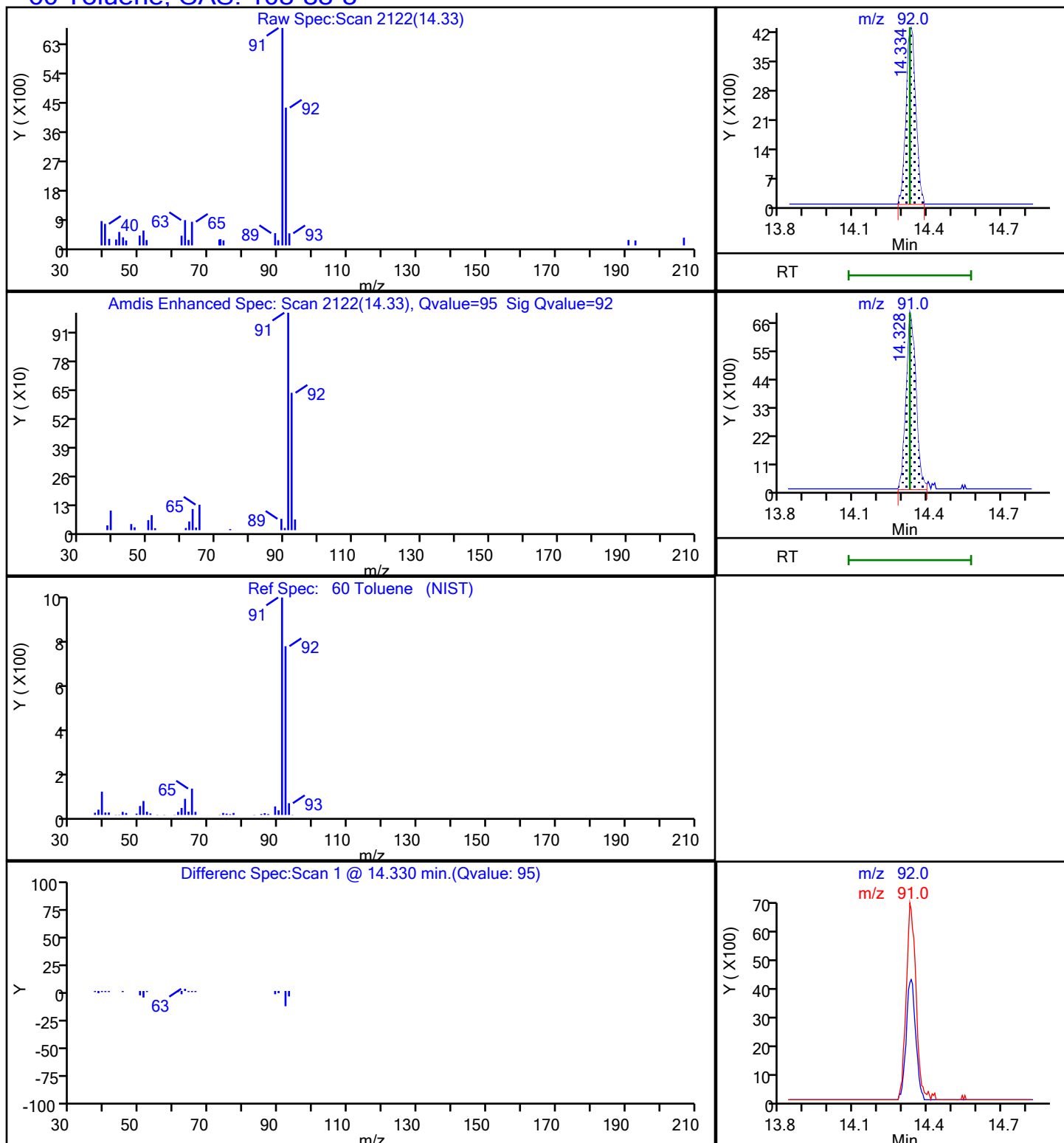
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Client ID: SG-4

Operator ID: vtp

ALS Bottle#: 9 Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

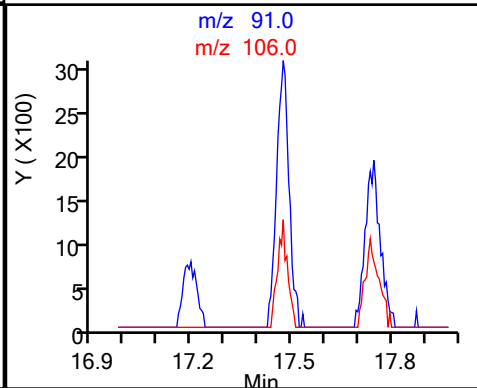
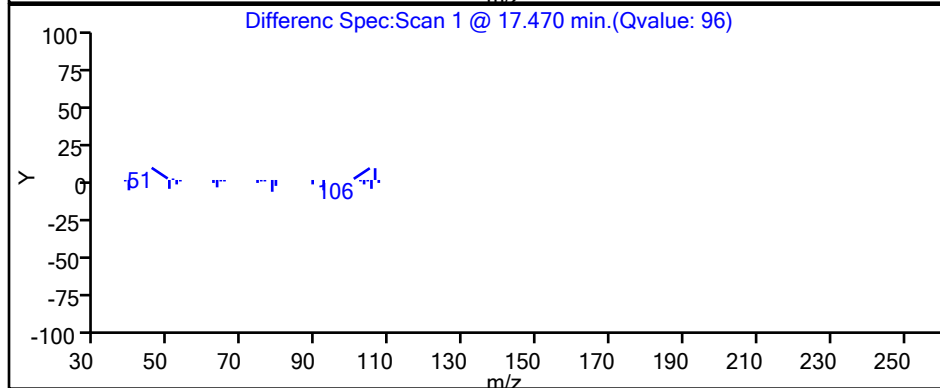
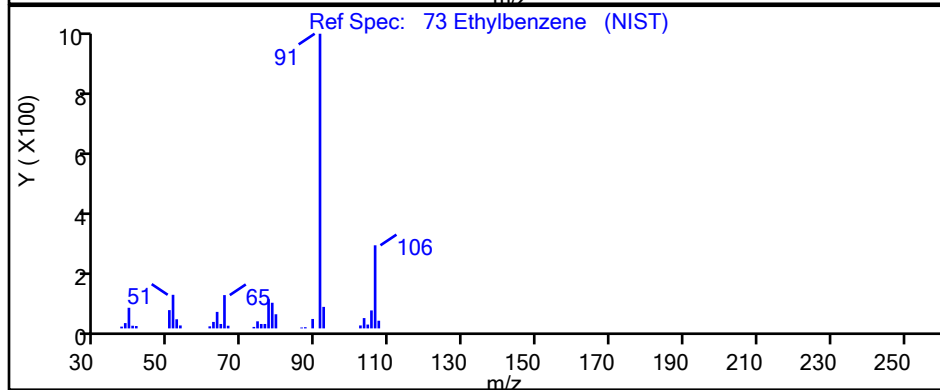
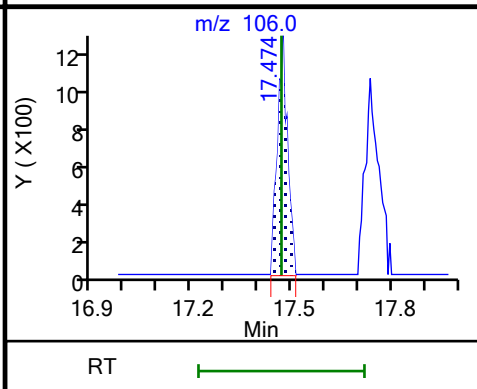
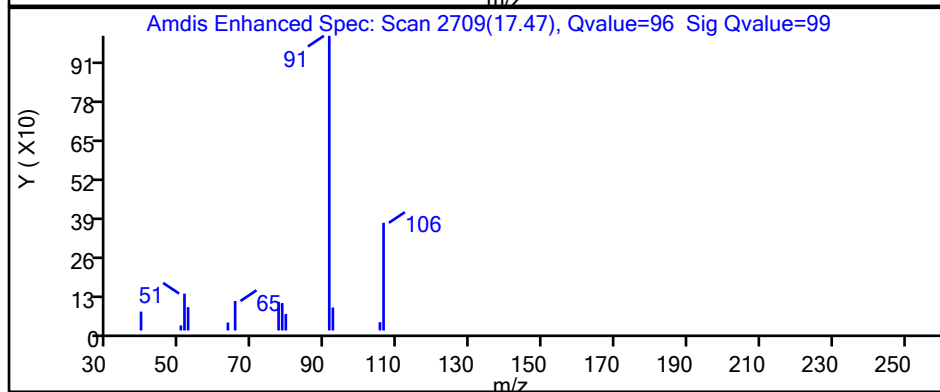
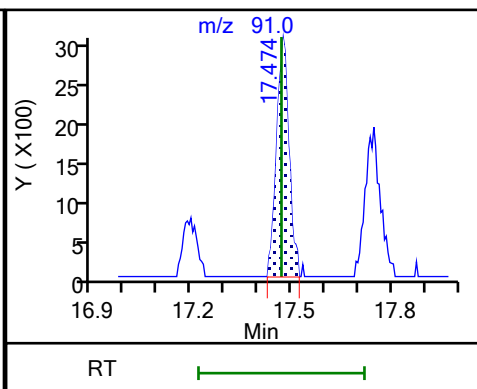
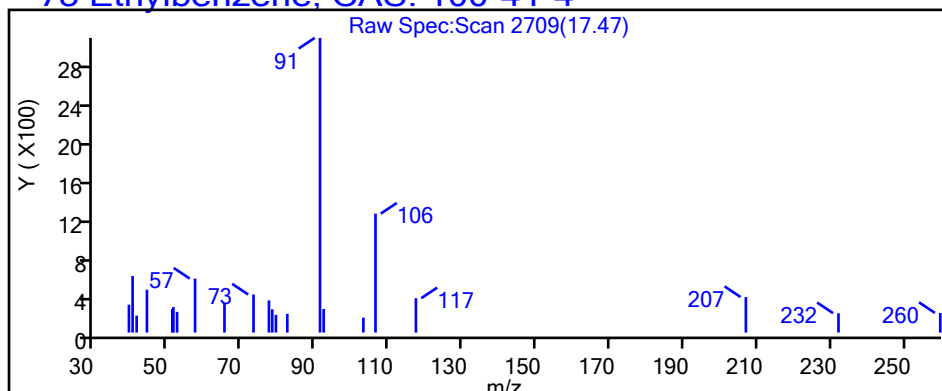
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector MS SCAN

73 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Client ID: SG-4

Operator ID: vtp

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

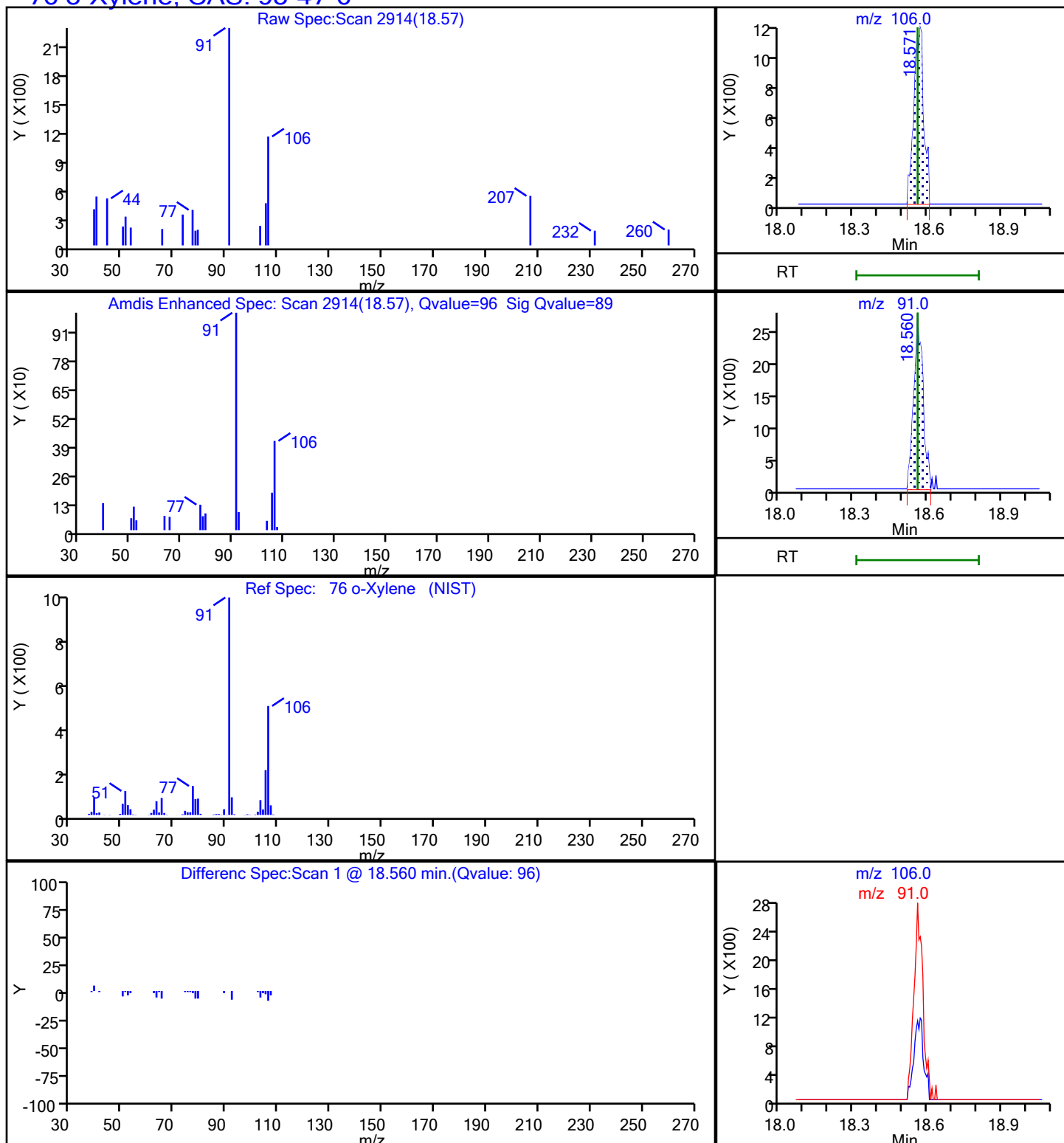
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Client ID: SG-4

Operator ID: vtp

ALS Bottle#:

9

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

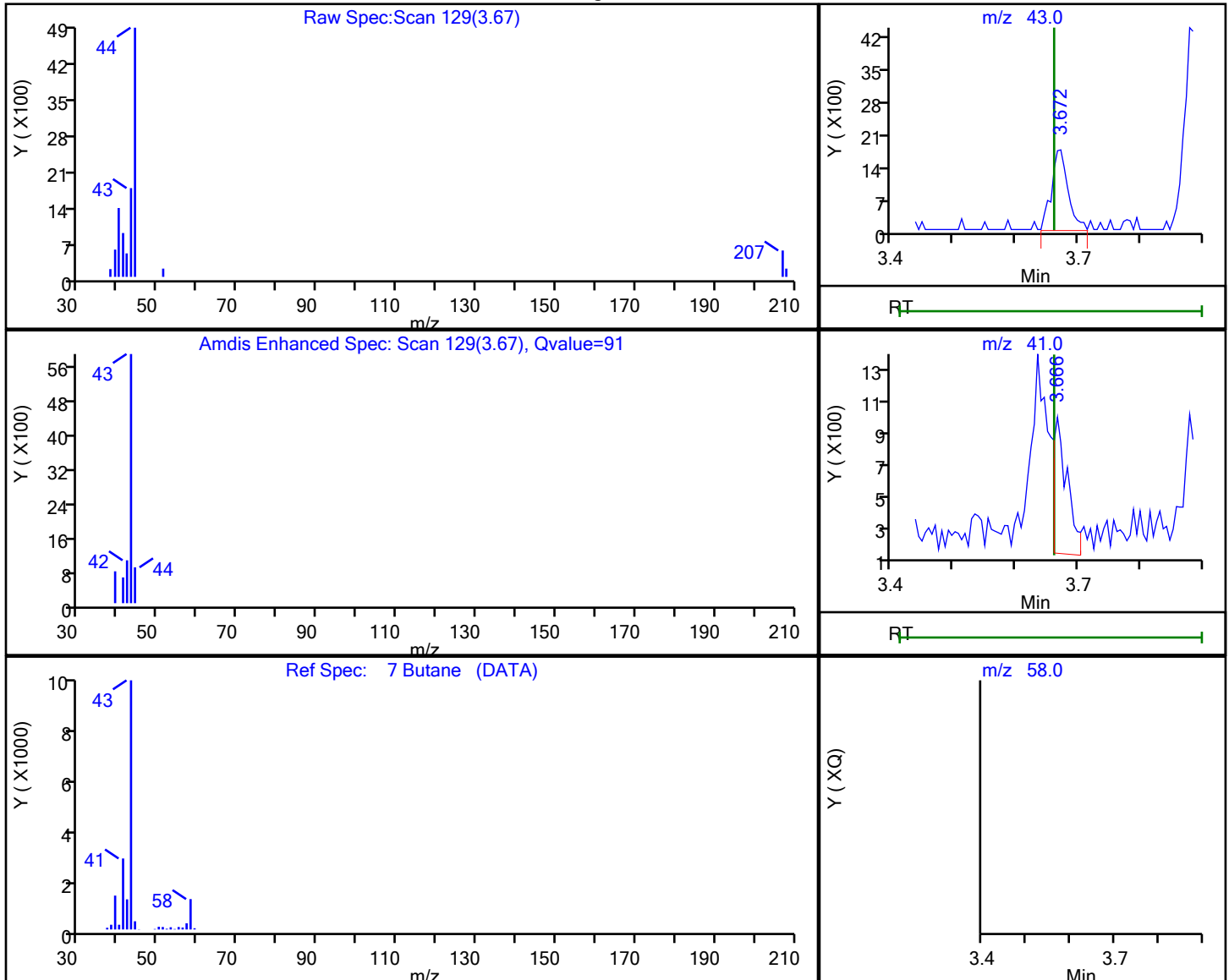
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

7 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.67	43.00	3196	0.095463
3.67	41.00	1237	
3.66	58.00	0	

Reviewer: puangmaleek, 21-Mar-2023 09:07:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

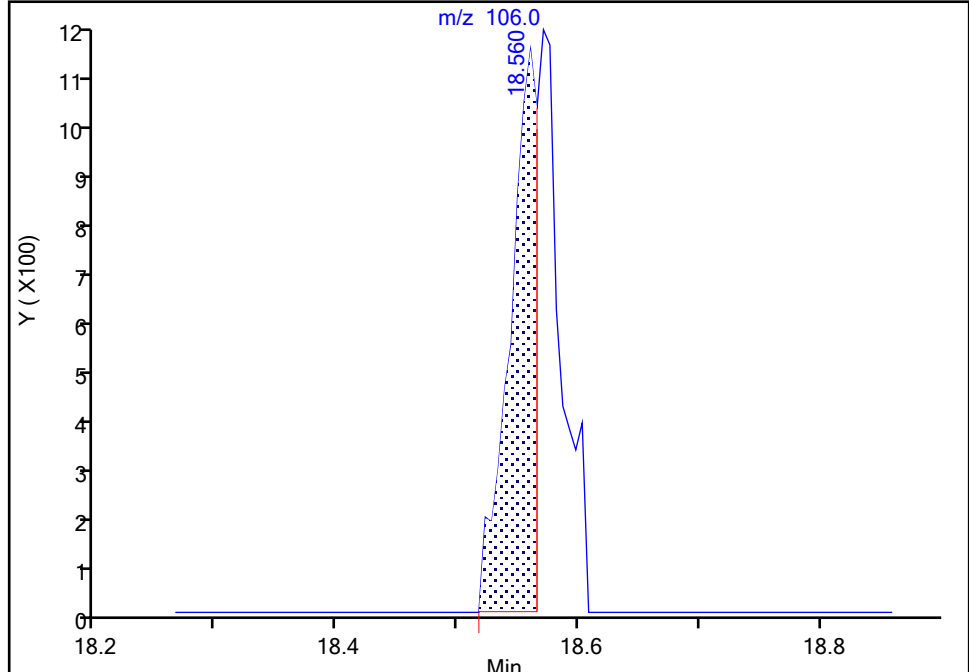
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D		
Injection Date:	20-Mar-2023 15:15:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-10	Lab Sample ID:	200-67137-10
Client ID:	SG-4		
Operator ID:	vtp	ALS Bottle#:	9
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	10

76 o-Xylene, CAS: 95-47-6

Signal: 1

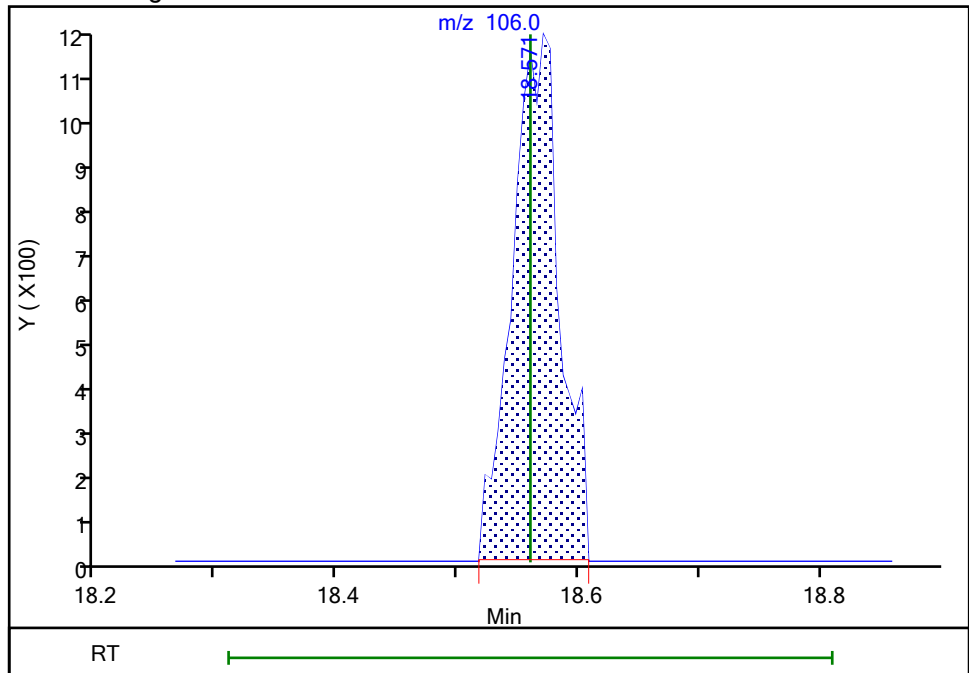
RT: 18.56
Area: 1774
Amount: 0.038387
Amount Units: ppb v/v

Processing Integration Results



RT: 18.57
Area: 3142
Amount: 0.067988
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 21-Mar-2023 09:08:33

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-010.D

Injection Date: 20-Mar-2023 15:15:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-10

Lab Sample ID: 200-67137-10

Client ID: SG-4

Operator ID: vtp

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

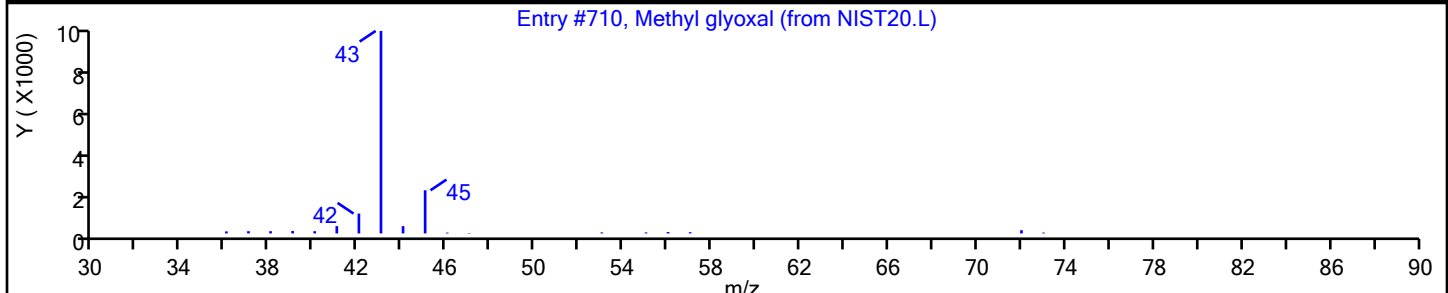
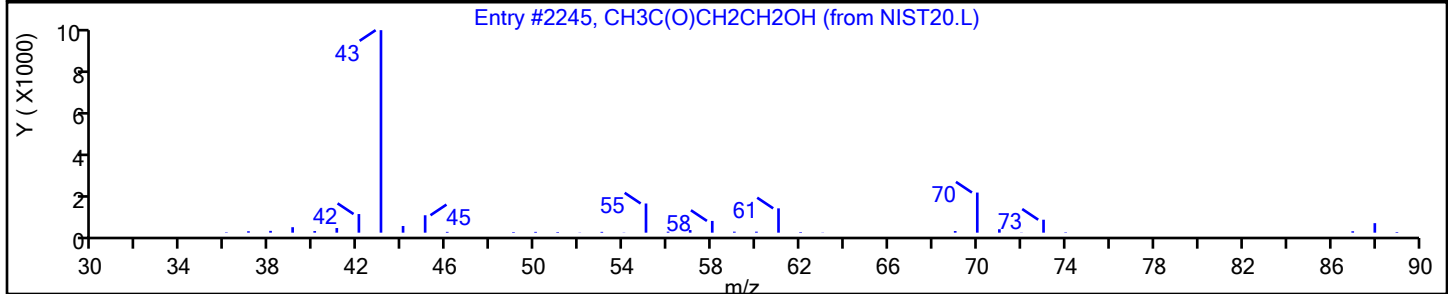
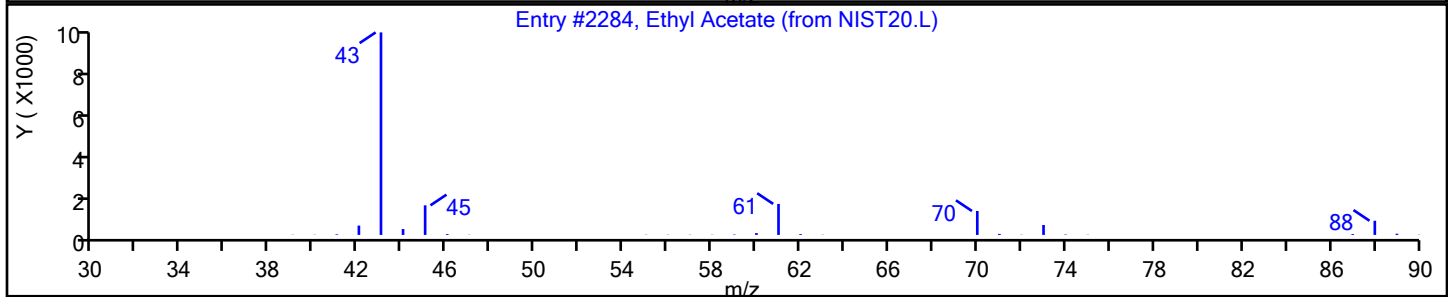
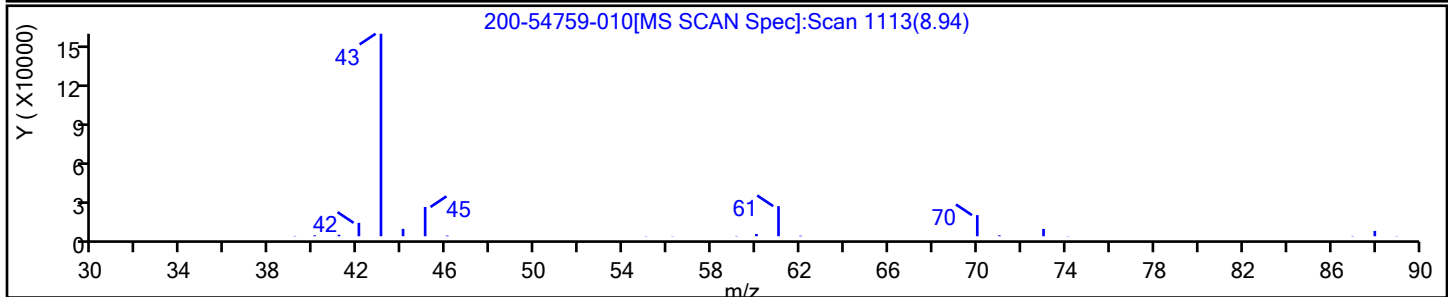
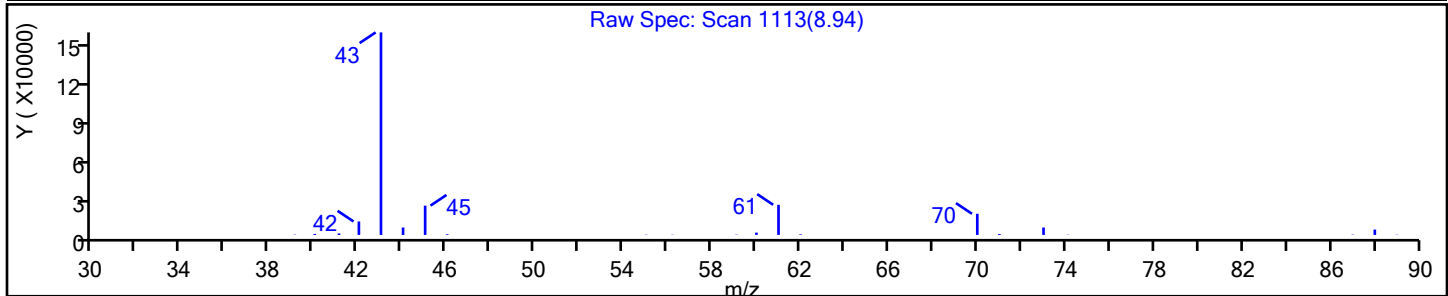
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column:

Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl Acetate	141-78-6	NIST20.L	2284	C4H8O2	88	90
CH3C(O)CH2CH2OH	590-90-9	NIST20.L	2245	C4H8O2	88	38
Methyl glyoxal	78-98-8	NIST20.L	710	C3H4O2	72	9



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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: SG-11 Lab Sample ID: 200-67137-11

Matrix: Air Lab File ID: 200-54759-011.D

Analysis Method: TO-15 Date Collected: 03/02/2023 10:02

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 16:08

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	1.1
75-45-6	Freon 22	86.47	5.0	U	5.0	1.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	0.48
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.5
106-97-8	n-Butane	58.12	5.0	U	5.0	2.0
75-01-4	Vinyl chloride	62.50	0.78	U	0.78	0.21
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.39
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.71
75-00-3	Chloroethane	64.52	5.0	U	5.0	1.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	0.50
75-69-4	Trichlorofluoromethane	137.37	2.0	U	2.0	0.50
76-13-1	Freon TF	187.38	2.0	U	2.0	0.53
75-35-4	1,1-Dichloroethene	96.94	0.35	U	0.35	0.26
67-64-1	Acetone	58.08	50	U	50	16
67-63-0	Isopropyl alcohol	60.10	50	U	50	16
75-15-0	Carbon disulfide	76.14	20		5.0	1.3
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	1.2
75-09-2	Methylene Chloride	84.93	5.0	U	5.0	1.8
75-65-0	tert-Butyl alcohol	74.12	50	U	50	12
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.23
110-54-3	n-Hexane	86.17	5.0	U	5.0	1.1
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.25
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	0.50	U	0.50	0.21
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.21
67-66-3	Chloroform	119.38	2.0	U	2.0	0.41
109-99-9	Tetrahydrofuran	72.11	50	U	50	13
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.44
110-82-7	Cyclohexane	84.16	2.0	U	2.0	0.58
56-23-5	Carbon tetrachloride	153.81	0.35	U	0.35	0.22
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.38

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: SG-11 Lab Sample ID: 200-67137-11

Matrix: Air Lab File ID: 200-54759-011.D

Analysis Method: TO-15 Date Collected: 03/02/2023 10:02

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 16:08

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.44	J	2.0	0.44
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.93
142-82-5	n-Heptane	100.21	2.0	U	2.0	0.55
79-01-6	Trichloroethene	131.39	0.35	U	0.35	0.25
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	1.4
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.94
123-91-1	1,4-Dioxane	88.11	50	U	50	13
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.50
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.45
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	1.3
108-88-3	Toluene	92.14	1.0	J	2.0	0.42
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.54
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.74
127-18-4	Tetrachloroethene	165.83	1.7	J	2.0	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	1.5
124-48-1	Dibromochloromethane	208.28	2.0	U	2.0	0.63
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.42
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.44
100-41-4	Ethylbenzene	106.17	0.63	J	2.0	0.52
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.95
95-47-6	Xylene, o-	106.17	0.56	J	2.0	0.52
1330-20-7	Xylene (total)	106.17	0.56	J	7.0	0.52
100-42-5	Styrene	104.15	2.0	U	2.0	0.59
75-25-2	Bromoform	252.75	2.0	U	2.0	1.2
98-82-8	Cumene	120.19	2.0	U	2.0	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.43
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.47
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.47
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.46
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.80

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: SG-11 Lab Sample ID: 200-67137-11
Matrix: Air Lab File ID: 200-54759-011.D
Analysis Method: TO-15 Date Collected: 03/02/2023 10:02
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 16:08
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.45
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.61
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.74
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.89
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.88
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	1.1
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.66
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	3.3
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	1.1
91-20-3	Naphthalene	128.17	5.0	U	5.0	3.0
87-61-6	1,2,3-Trichlorobenzene	181.40	5.0	U	5.0	3.2

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: SG-11 Lab Sample ID: 200-67137-11

Matrix: Air Lab File ID: 200-54759-011.D

Analysis Method: TO-15 Date Collected: 03/02/2023 10:02

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 16:08

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	5.4
75-45-6	Freon 22	86.47	18	U	18	4.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	3.4
74-87-3	Chloromethane	50.49	10	U	10	3.1
106-97-8	n-Butane	58.12	12	U	12	4.8
75-01-4	Vinyl chloride	62.50	2.0	U	2.0	0.54
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.86
74-83-9	Bromomethane	94.94	7.8	U	7.8	2.8
75-00-3	Chloroethane	64.52	13	U	13	4.7
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	2.2
75-69-4	Trichlorofluoromethane	137.37	11	U	11	2.8
76-13-1	Freon TF	187.38	15	U	15	4.1
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	1.0
67-64-1	Acetone	58.08	120	U	120	38
67-63-0	Isopropyl alcohol	60.10	120	U	120	39
75-15-0	Carbon disulfide	76.14	61		16	4.0
107-05-1	3-Chloropropene	76.53	16	U	16	3.8
75-09-2	Methylene Chloride	84.93	17	U	17	6.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	36
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	1.3
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	0.91
110-54-3	n-Hexane	86.17	18	U	18	3.9
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.0
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	14
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.83
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	0.83
67-66-3	Chloroform	119.38	9.8	U	9.8	2.0
109-99-9	Tetrahydrofuran	72.11	150	U	150	38
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	2.4
110-82-7	Cyclohexane	84.16	6.9	U	6.9	2.0
56-23-5	Carbon tetrachloride	153.81	2.2	U	2.2	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.8

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-11</u>	Lab Sample ID: <u>200-67137-11</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 10:02</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 16:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.4	J	6.4	1.4
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	3.8
142-82-5	n-Heptane	100.21	8.2	U	8.2	2.3
79-01-6	Trichloroethene	131.39	1.9	U	1.9	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	5.7
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	4.3
123-91-1	1,4-Dioxane	88.11	180	U	180	47
75-27-4	Bromodichloromethane	163.83	13	U	13	3.4
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	2.0
108-10-1	methyl isobutyl ketone	100.16	20	U	20	5.3
108-88-3	Toluene	92.14	3.9	J	7.5	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	2.5
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	4.0
127-18-4	Tetrachloroethene	165.83	12	J	14	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	6.1
124-48-1	Dibromochloromethane	208.28	17	U	17	5.4
106-93-4	1,2-Dibromoethane	187.87	15	U	15	3.2
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	2.0
100-41-4	Ethylbenzene	106.17	2.7	J	8.7	2.3
179601-23-1	m,p-Xylene	106.17	22	U	22	4.1
95-47-6	Xylene, o-	106.17	2.4	J	8.7	2.3
1330-20-7	Xylene (total)	106.17	2.4	J	30	2.3
100-42-5	Styrene	104.15	8.5	U	8.5	2.5
75-25-2	Bromoform	252.75	21	U	21	12
98-82-8	Cumene	120.19	9.8	U	9.8	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	3.0
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	2.3
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	2.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	2.4
98-06-6	tert-Butylbenzene	134.22	11	U	11	2.6
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	3.9

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: SG-11 Lab Sample ID: 200-67137-11
 Matrix: Air Lab File ID: 200-54759-011.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 10:02
 Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 16:08
 Soil Aliquot Vol: _____ Dilution Factor: 10
 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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	11	U	11	2.5
99-87-6	4-Isopropyltoluene	134.22	11	U	11	3.3
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	4.4
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	5.4
100-44-7	Benzyl chloride	126.58	10	U	10	4.6
104-51-8	n-Butylbenzene	134.22	11	U	11	6.0
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	4.0
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	24
87-68-3	Hexachlorobutadiene	260.76	21	U	21	12
91-20-3	Naphthalene	128.17	26	U	26	16
87-61-6	1,2,3-Trichlorobenzene	181.40	37	U	37	24

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>SG-11</u>	Lab Sample ID: <u>200-67137-11</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-011.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 10:02</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 16:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D
 Lims ID: 200-67137-A-11
 Client ID: SG-11
 Sample Type: Client
 Inject. Date: 20-Mar-2023 16:08:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-011
 Misc. Info.: 67137-11
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:28:35 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: BKZ7

Date: 21-Mar-2023 08:28:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	99	8732	0.0996	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	96	4988	0.0985	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50	3.463	3.458	0.005	94	1472	0.0522	
6 Vinyl chloride	62		3.656				ND	
7 Butane	43		3.661				ND	7
8 Butadiene	54		3.730				ND	
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101		4.870				ND	7
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		5.795				ND	
19 Acetone	43	5.892	5.827	0.065	99	54177	1.44	
22 Isopropyl alcohol	45	6.207	6.084	0.123	98	10570	0.2311	
23 Carbon disulfide	76	6.154	6.143	0.011	100	167718	1.97	
25 3-Chloro-1-propene	41		6.395				ND	7
26 Methylene Chloride	49		6.603				ND	7
27 2-Methyl-2-propanol	59		6.817				ND	7
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57	7.598	7.604	-0.006	84	1635	0.0414	
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.887	8.807	0.080	99	3737	0.2998	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.246	9.241	0.005	96	283045	10.0	
38 Tetrahydrofuran	42		9.315				ND	7
39 Chloroform	83		9.422				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84		9.904				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117		10.043				ND	
44 Benzene	78	10.417	10.412	0.005	97	4771	0.0445	
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43		11.017				ND	7
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	95	1502603	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.328	14.333	0.000	91	7168	0.1024	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166	15.398	15.403	0.000	93	10361	0.1701	
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.196	17.190	0.006	89	1287317	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.468	17.474	0.000	98	9498	0.0625	
74 m-Xylene & p-Xylene	106	17.747	17.747	-0.005	0	2283	0.0440	M
76 o-Xylene	106	18.576	18.576	0.016	97	3023	0.0559	M
77 Styrene	104		18.597				ND	
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	7
S 82 Xylenes, Total	106				0		0.0999	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.095				ND	7
84 2-Chlorotoluene	91		20.245				ND	7
85 4-Ethyltoluene	105		20.309				ND	7
86 1,3,5-Trimethylbenzene	105		20.411				ND	MU
89 tert-Butylbenzene	119		20.914				ND	7
90 1,2,4-Trimethylbenzene	105		21.005				ND	MU
91 sec-Butylbenzene	105		21.256				ND	7
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119		21.481				ND	7
94 1,4-Dichlorobenzene	146		21.572				ND	7
95 Benzyl chloride	91		21.721				ND	7
97 n-Butylbenzene	91		22.048				ND	7
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.519				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128		24.995				ND	7
103 1,2,3-Trichlorobenzene	180		25.402				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Worklist Smp#: 11

Client ID: SG-11

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

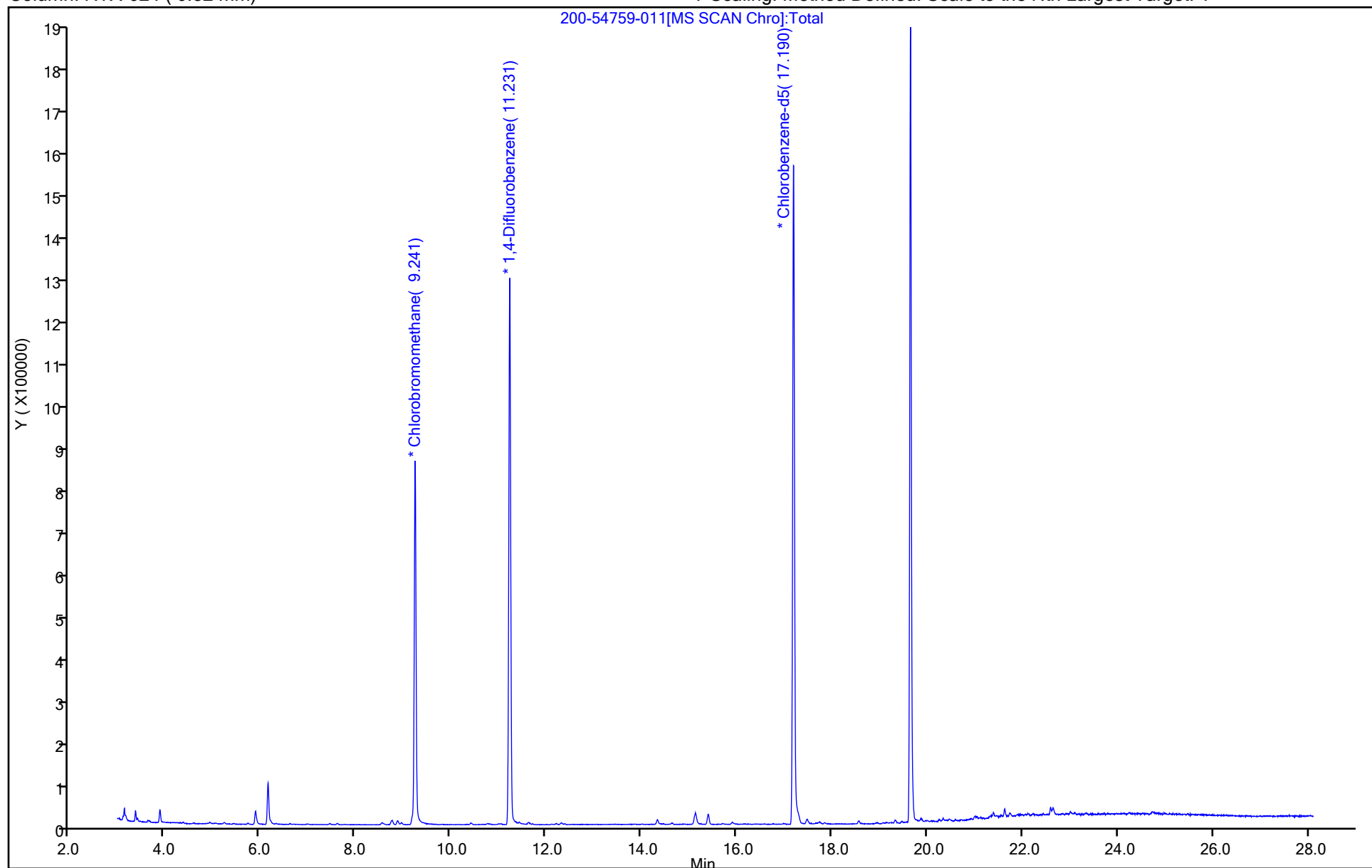
ALS Bottle#: 10

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Client ID: SG-11

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

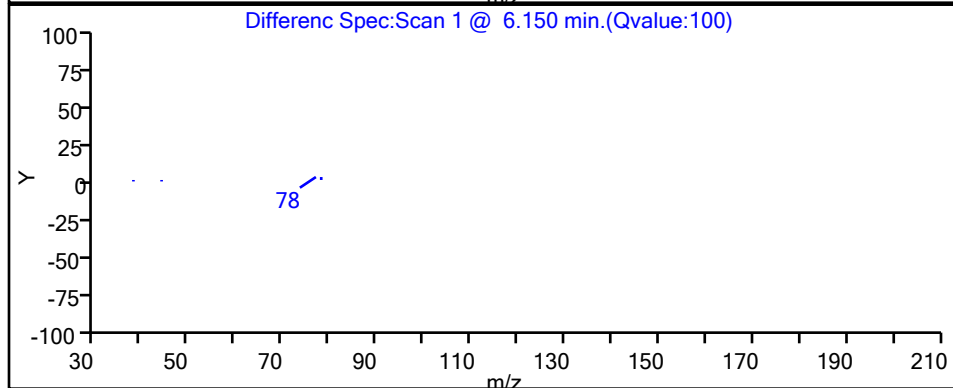
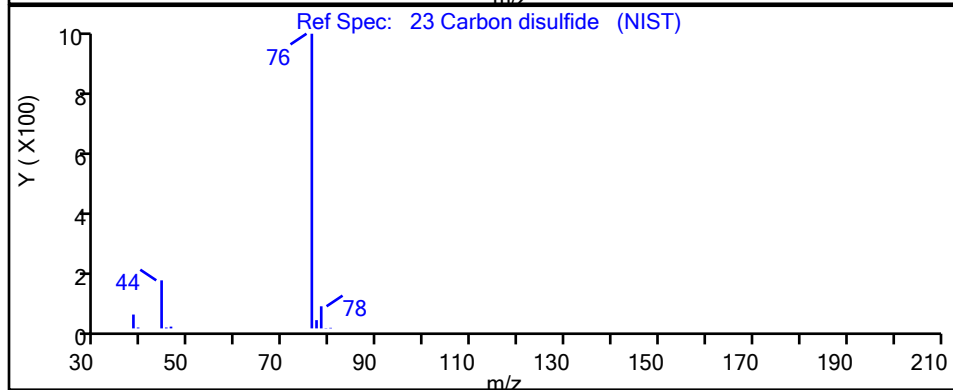
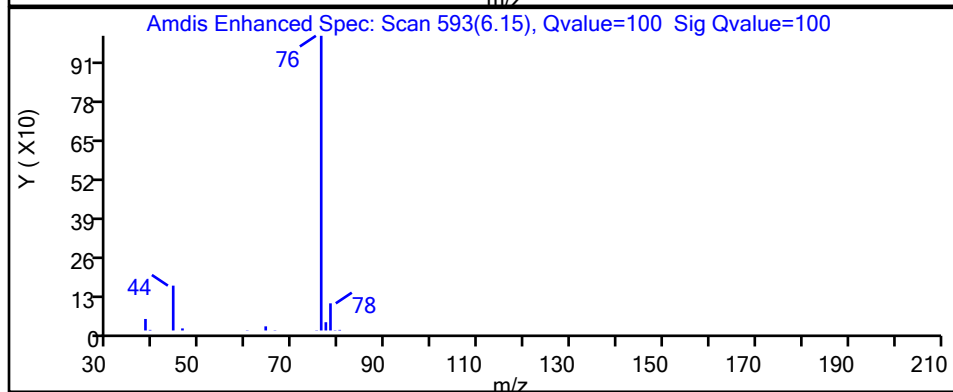
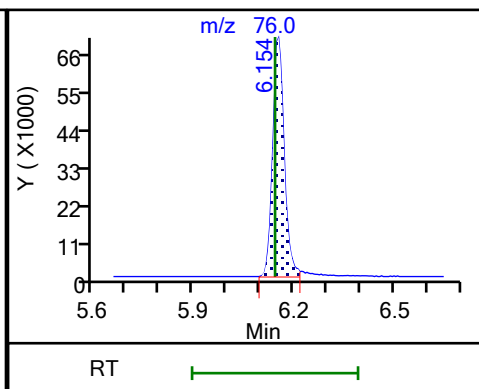
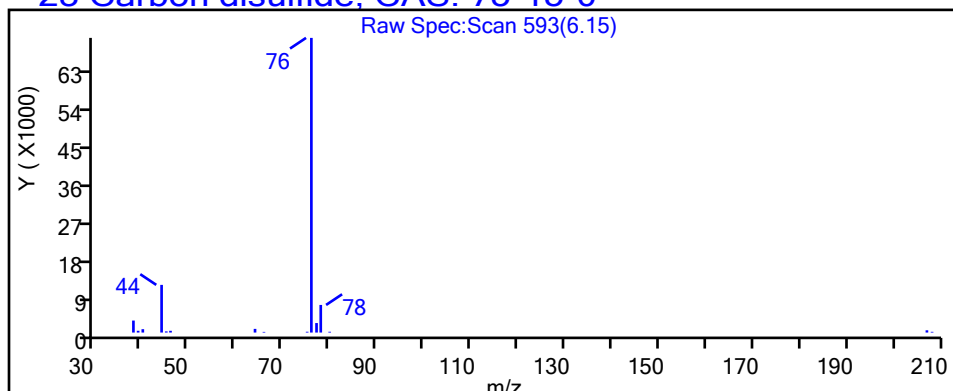
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Client ID: SG-11

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

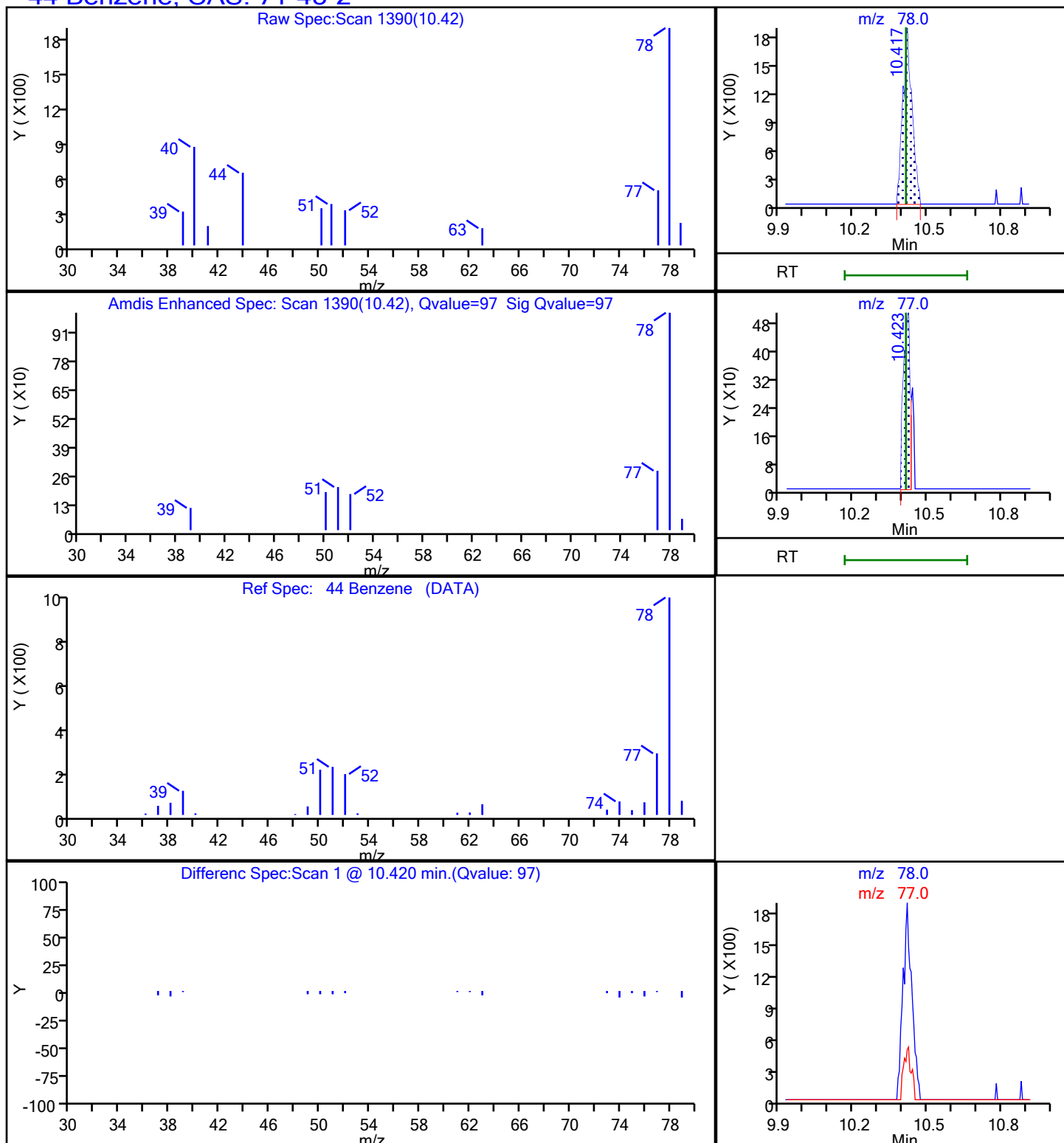
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Client ID: SG-11

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

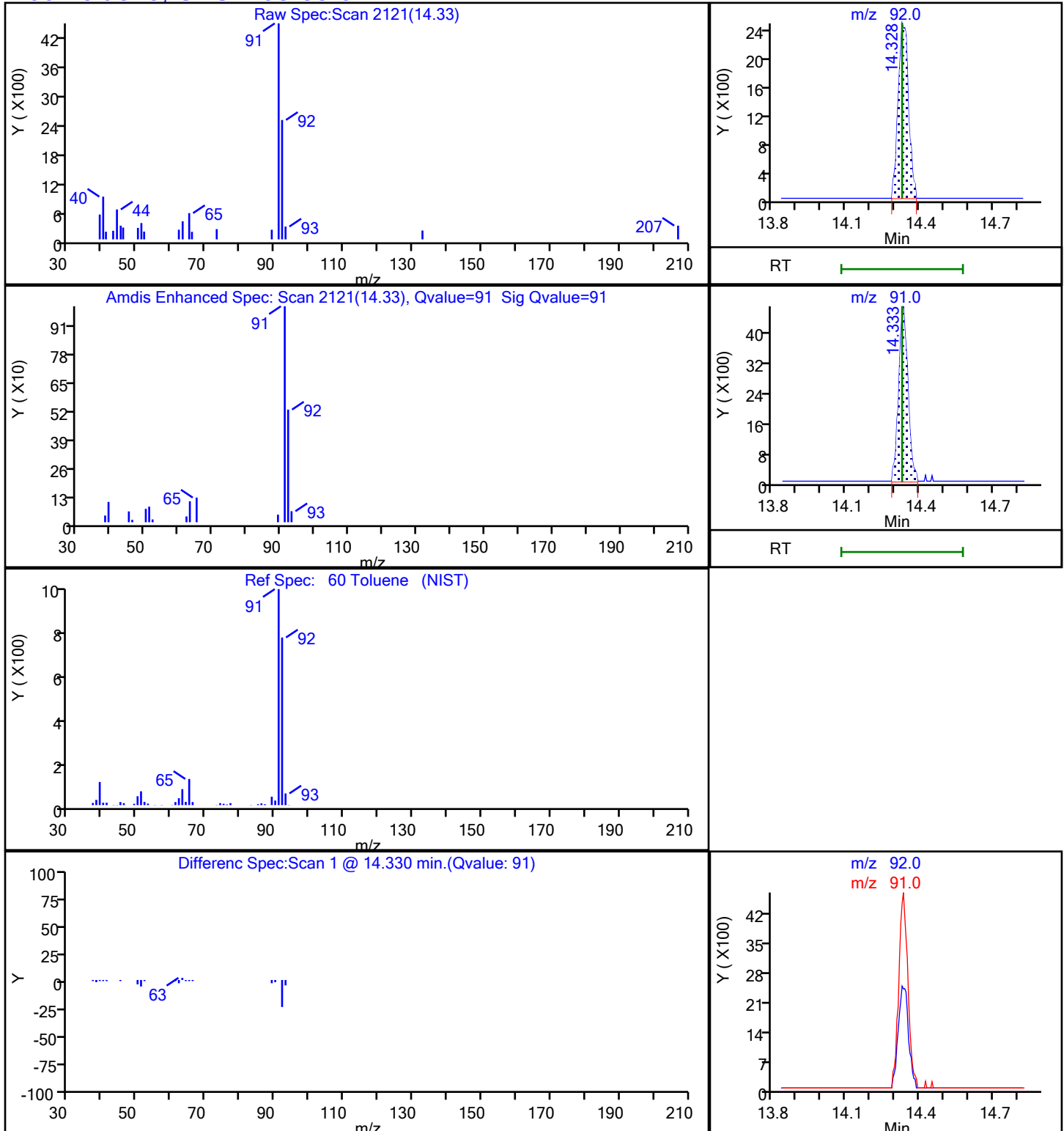
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Client ID: SG-11

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

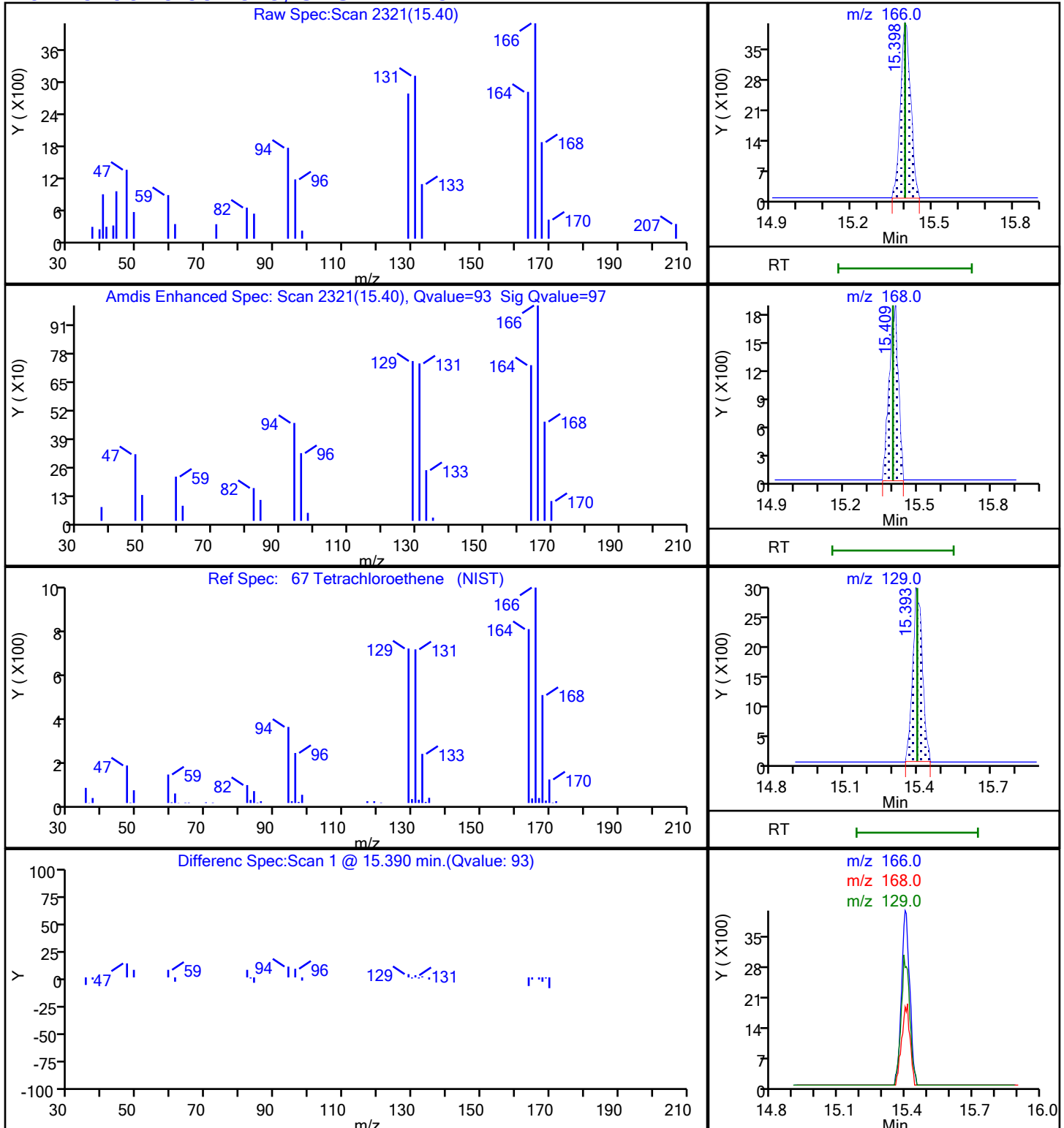
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Client ID: SG-11

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

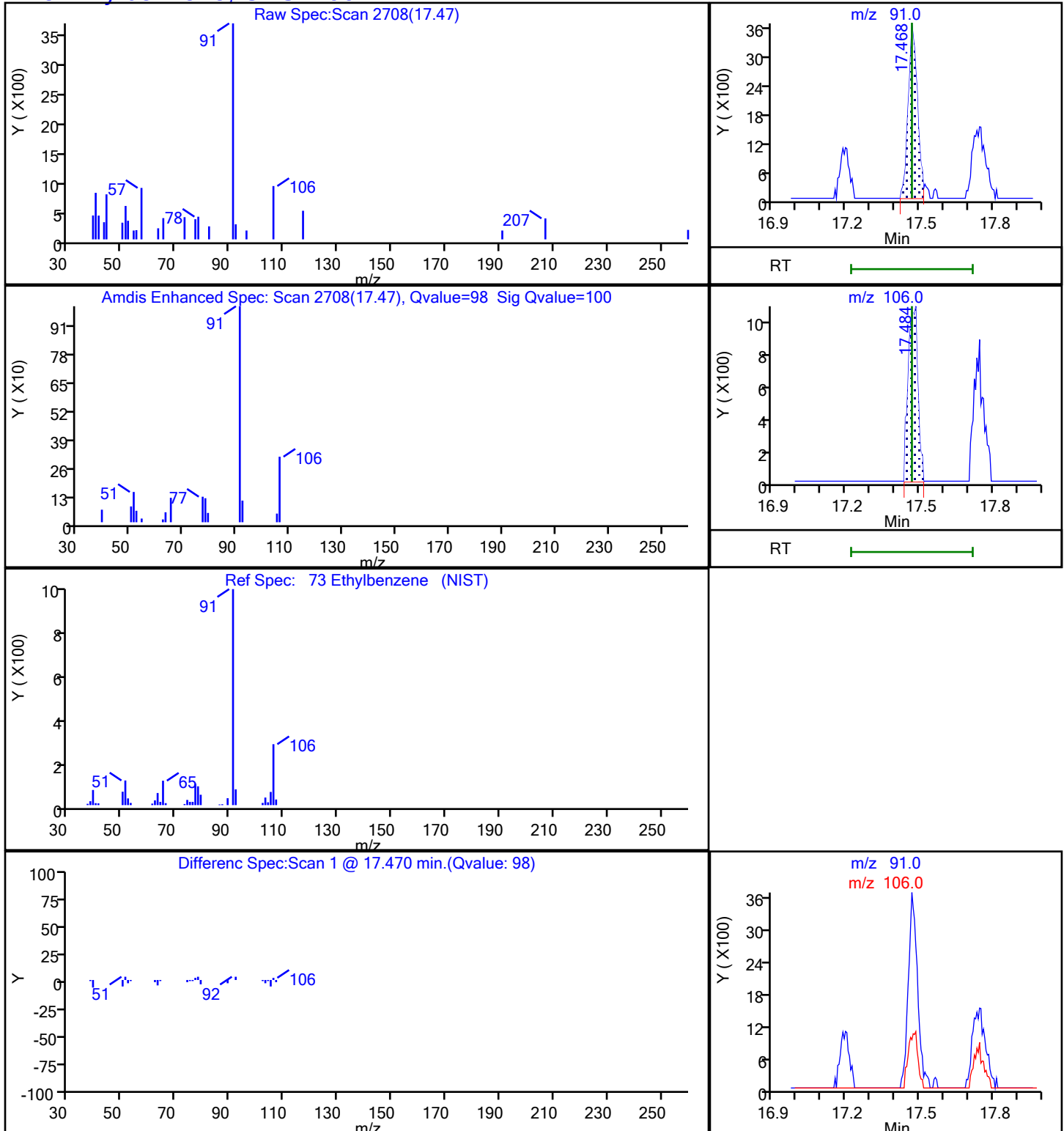
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Client ID: SG-11

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

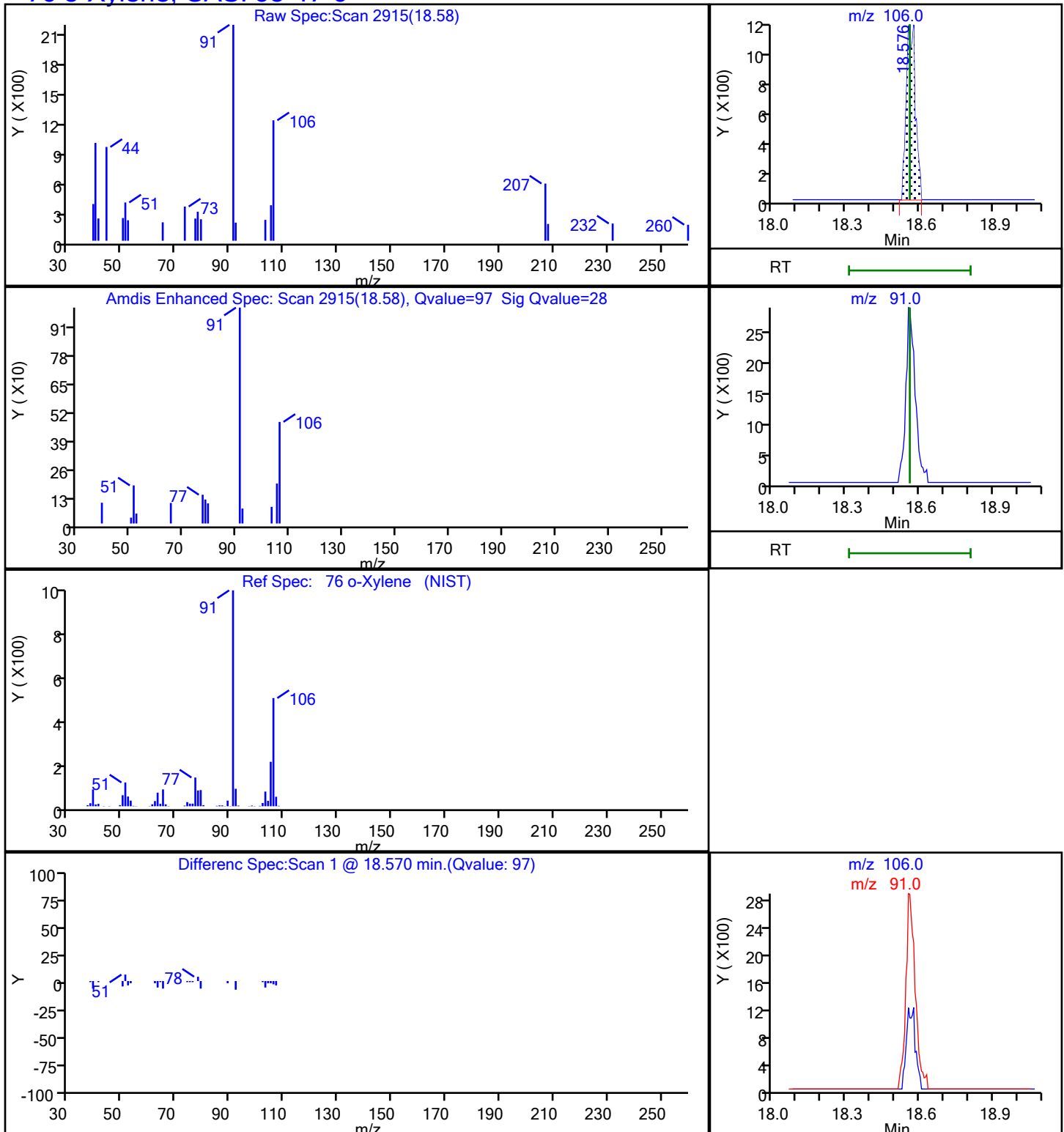
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6



Eurofins Burlington

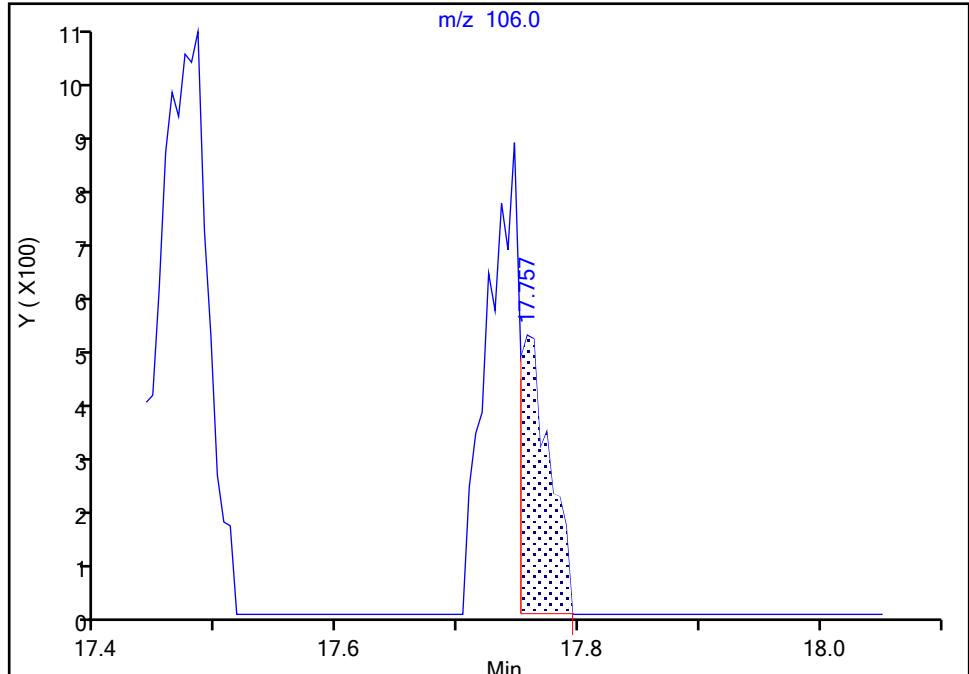
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Injection Date: 20-Mar-2023 16:08:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-11 Lab Sample ID: 200-67137-11
Client ID: SG-11
Operator ID: vtp ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

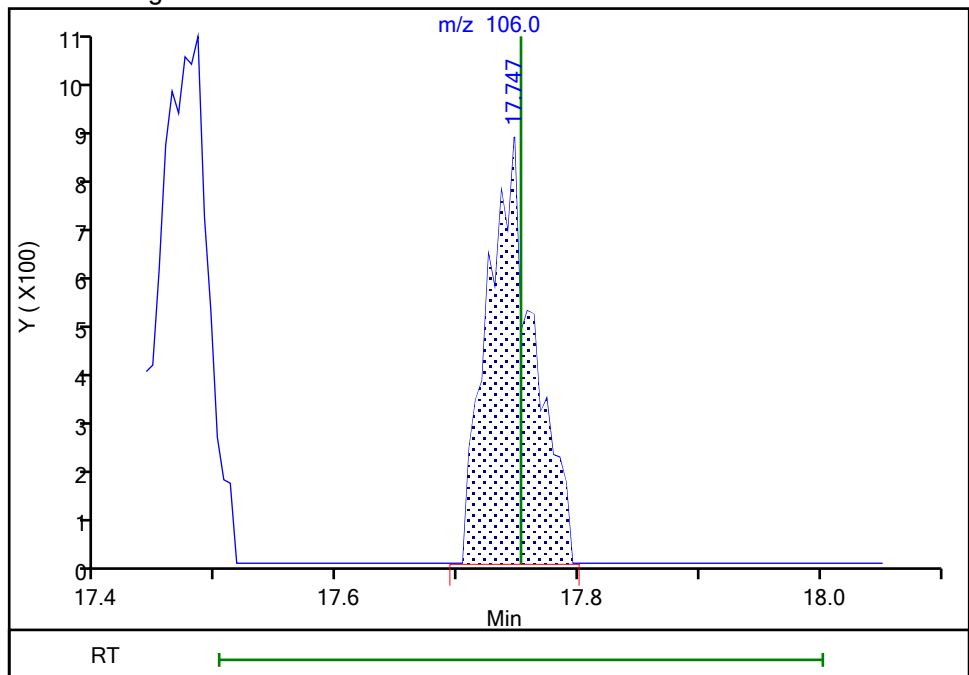
RT: 17.76
Area: 872
Amount: 0.016789
Amount Units: ppb v/v

Processing Integration Results



RT: 17.75
Area: 2283
Amount: 0.043955
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:27:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

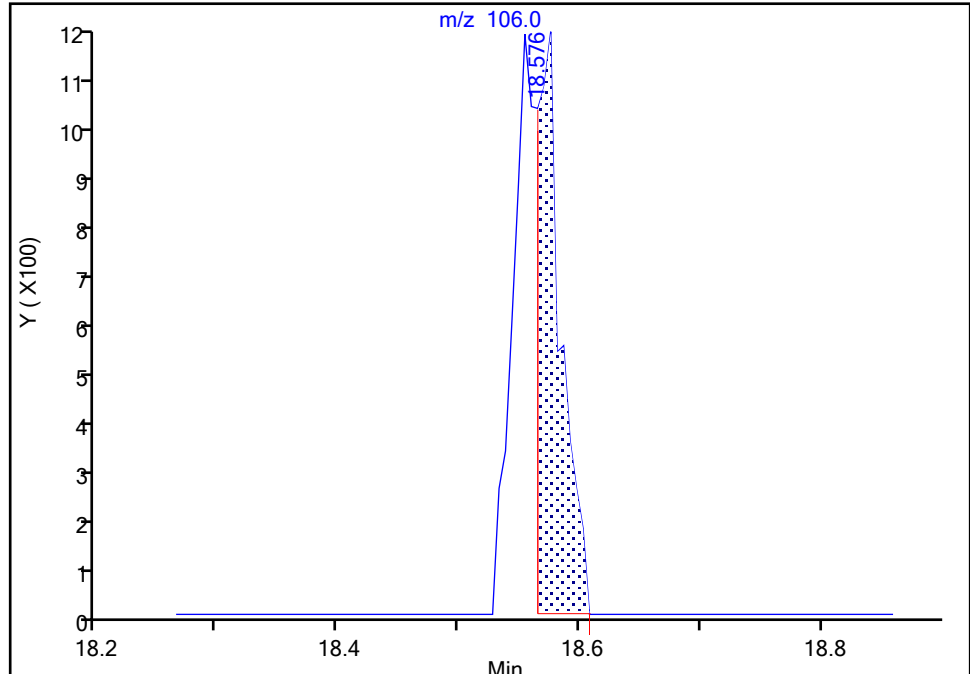
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D		
Injection Date:	20-Mar-2023 16:08:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-11	Lab Sample ID:	200-67137-11
Client ID:	SG-11		
Operator ID:	vtp	ALS Bottle#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	11

76 o-Xylene, CAS: 95-47-6

Signal: 1

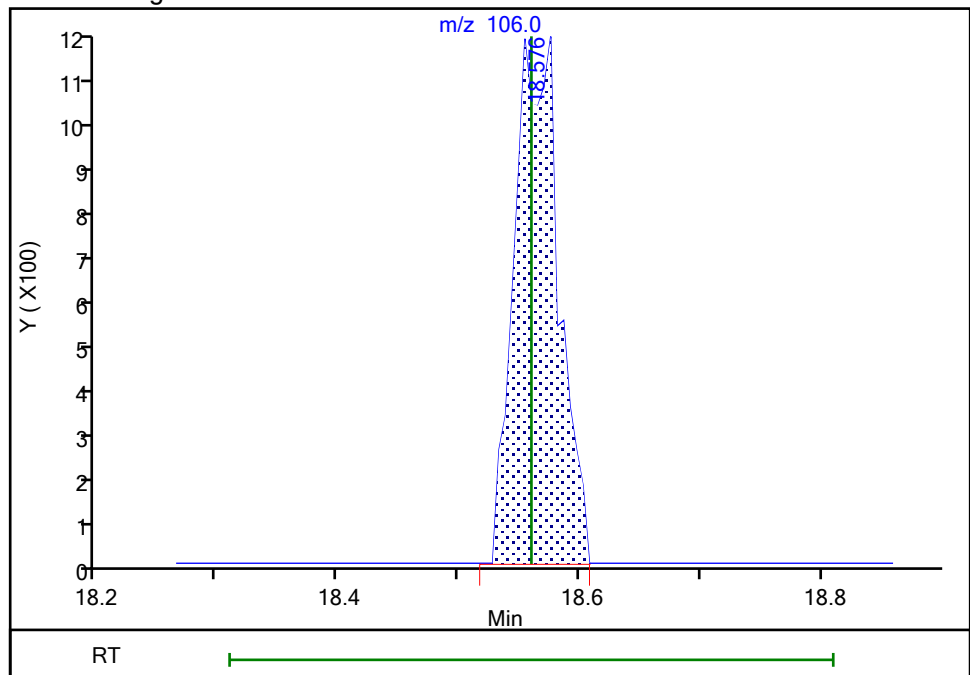
RT: 18.58
Area: 1652
Amount: 0.030572
Amount Units: ppb v/v

Processing Integration Results



RT: 18.58
Area: 3023
Amount: 0.055943
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:27:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Client ID: SG-11

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

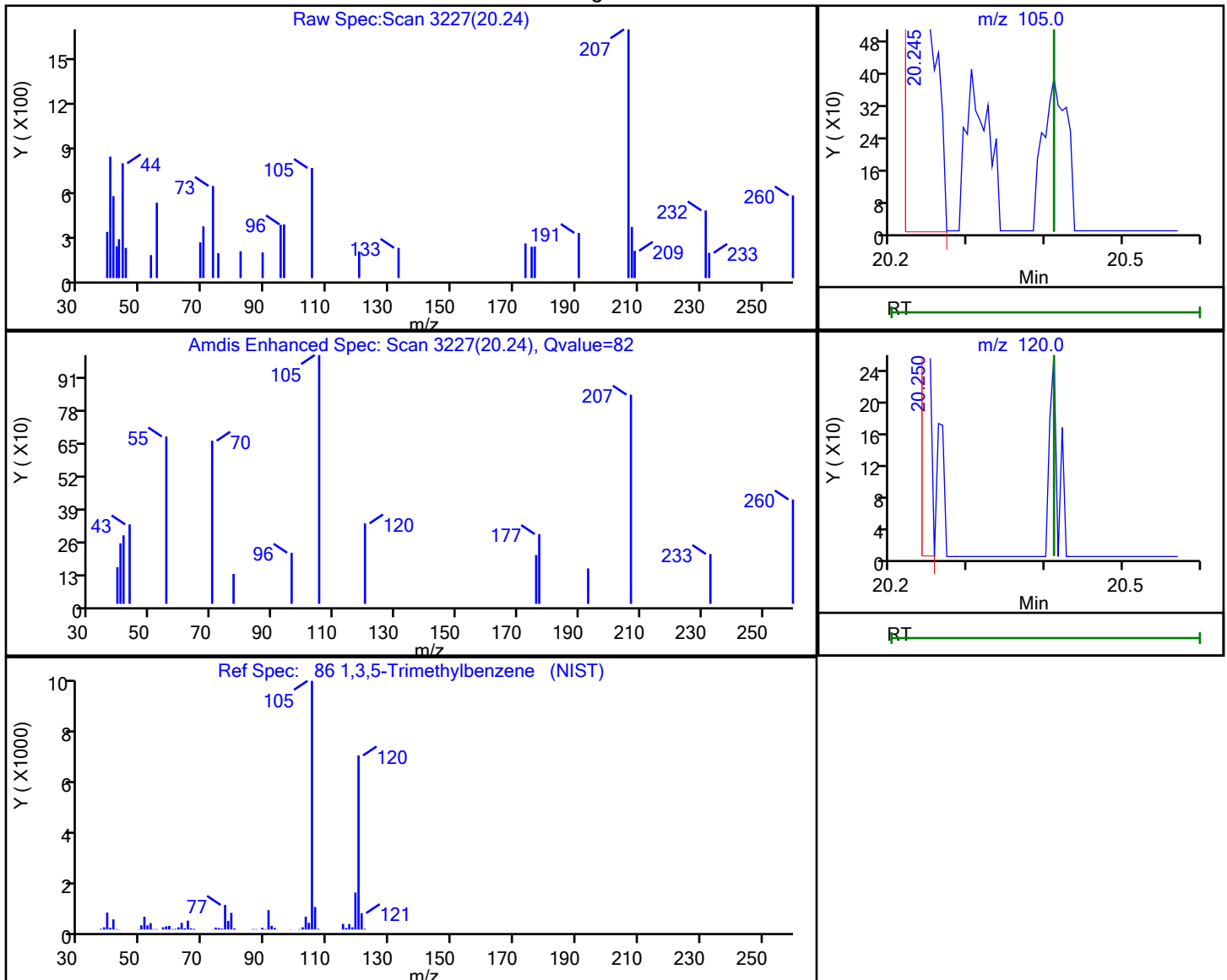
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

86 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
20.24	105.00	1323	0.011651
20.25	120.00	186	

Reviewer: BKZ7, 21-Mar-2023 08:27:40

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-011.D

Injection Date: 20-Mar-2023 16:08:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-11

Lab Sample ID: 200-67137-11

Client ID: SG-11

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

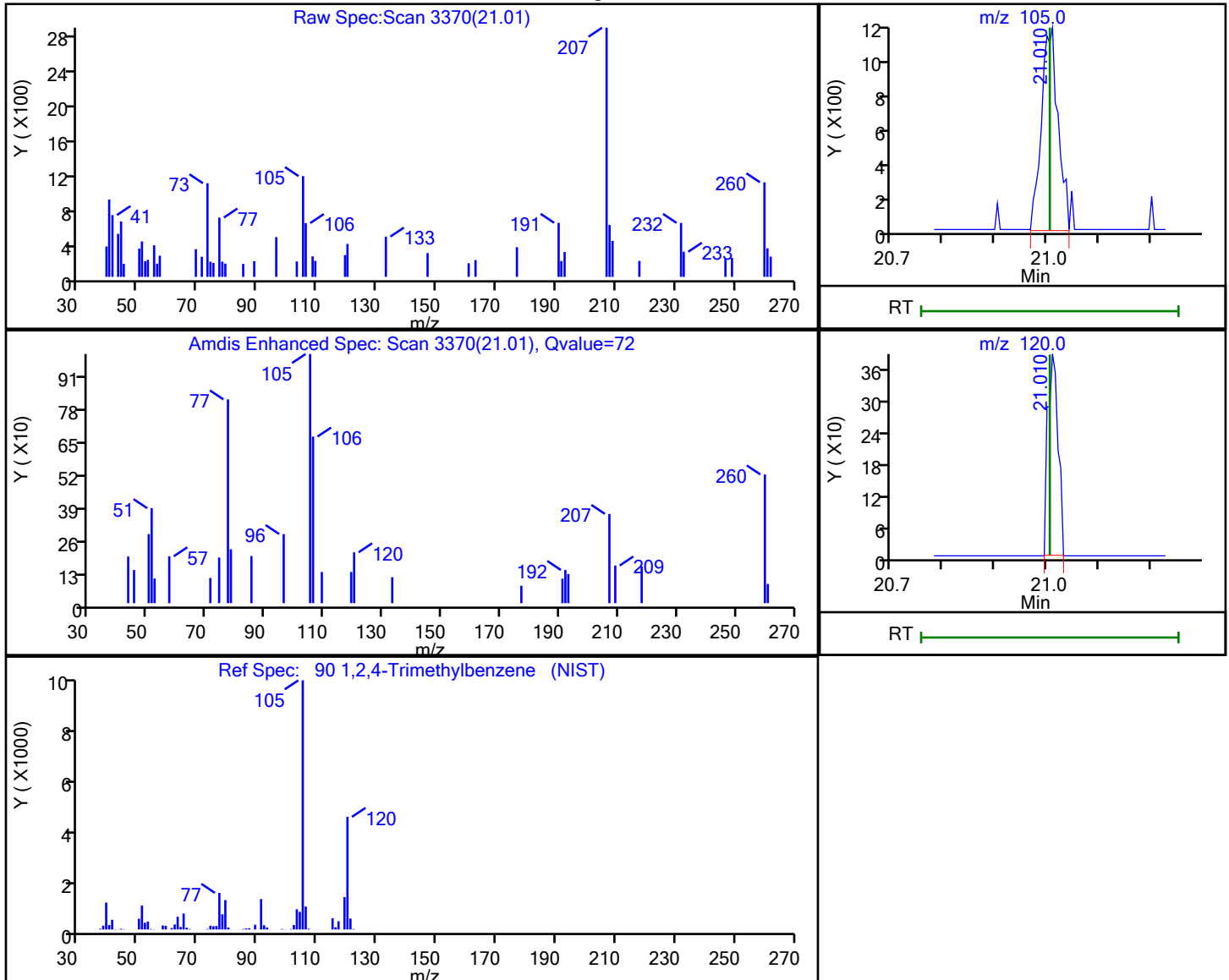
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
21.01	105.00	2610	0.022692
21.01	120.00	532	

Reviewer: BKZ7, 21-Mar-2023 08:27:32

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>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>VMP-3R</u>	Lab Sample ID: <u>200-67137-12</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-015.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 13:11</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 19:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	1.1
75-45-6	Freon 22	86.47	5.0	U	5.0	1.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	0.48
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.5
106-97-8	n-Butane	58.12	5.0	U	5.0	2.0
75-01-4	Vinyl chloride	62.50	0.78	U	0.78	0.21
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.39
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.71
75-00-3	Chloroethane	64.52	5.0	U	5.0	1.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	0.50
75-69-4	Trichlorofluoromethane	137.37	2.0	U	2.0	0.50
76-13-1	Freon TF	187.38	2.0	U	2.0	0.53
75-35-4	1,1-Dichloroethene	96.94	0.35	U	0.35	0.26
67-64-1	Acetone	58.08	50	U	50	16
67-63-0	Isopropyl alcohol	60.10	50	U	50	16
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	1.3
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	1.2
75-09-2	Methylene Chloride	84.93	5.0	U	5.0	1.8
75-65-0	tert-Butyl alcohol	74.12	50	U	50	12
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.23
110-54-3	n-Hexane	86.17	5.0	U	5.0	1.1
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.25
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	0.50	U	0.50	0.21
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.21
67-66-3	Chloroform	119.38	2.0	U	2.0	0.41
109-99-9	Tetrahydrofuran	72.11	50	U	50	13
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.44
110-82-7	Cyclohexane	84.16	2.0	U	2.0	0.58
56-23-5	Carbon tetrachloride	153.81	0.35	U	0.35	0.22
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.38

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: VMP-3R Lab Sample ID: 200-67137-12

Matrix: Air Lab File ID: 200-54759-015.D

Analysis Method: TO-15 Date Collected: 03/02/2023 13:11

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 19:38

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	2.0	U	2.0	0.44
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.93
142-82-5	n-Heptane	100.21	2.0	U	2.0	0.55
79-01-6	Trichloroethene	131.39	0.35	U	0.35	0.25
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	1.4
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.94
123-91-1	1,4-Dioxane	88.11	50	U	50	13
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.50
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.45
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	1.3
108-88-3	Toluene	92.14	0.43	J	2.0	0.42
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.54
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.74
127-18-4	Tetrachloroethene	165.83	3.7		2.0	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	1.5
124-48-1	Dibromochloromethane	208.28	2.0	U	2.0	0.63
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.42
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.44
100-41-4	Ethylbenzene	106.17	2.0	U	2.0	0.52
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.95
95-47-6	Xylene, o-	106.17	2.0	U	2.0	0.52
1330-20-7	Xylene (total)	106.17	7.0	U	7.0	0.52
100-42-5	Styrene	104.15	2.0	U	2.0	0.59
75-25-2	Bromoform	252.75	2.0	U	2.0	1.2
98-82-8	Cumene	120.19	2.0	U	2.0	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.43
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.47
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.47
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.46
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.80

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: VMP-3R Lab Sample ID: 200-67137-12
Matrix: Air Lab File ID: 200-54759-015.D
Analysis Method: TO-15 Date Collected: 03/02/2023 13:11
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 19:38
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.45
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.61
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.74
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.89
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.88
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	1.1
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.66
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	3.3
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	1.1
91-20-3	Naphthalene	128.17	7.1		5.0	3.0
87-61-6	1,2,3-Trichlorobenzene	181.40	5.0	U	5.0	3.2

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: VMP-3R Lab Sample ID: 200-67137-12

Matrix: Air Lab File ID: 200-54759-015.D

Analysis Method: TO-15 Date Collected: 03/02/2023 13:11

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 19:38

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	5.4
75-45-6	Freon 22	86.47	18	U	18	4.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	3.4
74-87-3	Chloromethane	50.49	10	U	10	3.1
106-97-8	n-Butane	58.12	12	U	12	4.8
75-01-4	Vinyl chloride	62.50	2.0	U	2.0	0.54
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.86
74-83-9	Bromomethane	94.94	7.8	U	7.8	2.8
75-00-3	Chloroethane	64.52	13	U	13	4.7
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	2.2
75-69-4	Trichlorofluoromethane	137.37	11	U	11	2.8
76-13-1	Freon TF	187.38	15	U	15	4.1
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	1.0
67-64-1	Acetone	58.08	120	U	120	38
67-63-0	Isopropyl alcohol	60.10	120	U	120	39
75-15-0	Carbon disulfide	76.14	16	U	16	4.0
107-05-1	3-Chloropropene	76.53	16	U	16	3.8
75-09-2	Methylene Chloride	84.93	17	U	17	6.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	36
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	1.3
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	0.91
110-54-3	n-Hexane	86.17	18	U	18	3.9
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.0
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	14
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.83
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	0.83
67-66-3	Chloroform	119.38	9.8	U	9.8	2.0
109-99-9	Tetrahydrofuran	72.11	150	U	150	38
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	2.4
110-82-7	Cyclohexane	84.16	6.9	U	6.9	2.0
56-23-5	Carbon tetrachloride	153.81	2.2	U	2.2	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.8

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>VMP-3R</u>	Lab Sample ID: <u>200-67137-12</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-015.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 13:11</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 19:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	6.4	U	6.4	1.4
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	3.8
142-82-5	n-Heptane	100.21	8.2	U	8.2	2.3
79-01-6	Trichloroethene	131.39	1.9	U	1.9	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	5.7
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	4.3
123-91-1	1,4-Dioxane	88.11	180	U	180	47
75-27-4	Bromodichloromethane	163.83	13	U	13	3.4
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	2.0
108-10-1	methyl isobutyl ketone	100.16	20	U	20	5.3
108-88-3	Toluene	92.14	1.6	J	7.5	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	2.5
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	4.0
127-18-4	Tetrachloroethene	165.83	25		14	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	6.1
124-48-1	Dibromochloromethane	208.28	17	U	17	5.4
106-93-4	1,2-Dibromoethane	187.87	15	U	15	3.2
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	2.0
100-41-4	Ethylbenzene	106.17	8.7	U	8.7	2.3
179601-23-1	m,p-Xylene	106.17	22	U	22	4.1
95-47-6	Xylene, o-	106.17	8.7	U	8.7	2.3
1330-20-7	Xylene (total)	106.17	30	U	30	2.3
100-42-5	Styrene	104.15	8.5	U	8.5	2.5
75-25-2	Bromoform	252.75	21	U	21	12
98-82-8	Cumene	120.19	9.8	U	9.8	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	3.0
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	2.3
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	2.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	2.4
98-06-6	tert-Butylbenzene	134.22	11	U	11	2.6
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	3.9

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: VMP-3R Lab Sample ID: 200-67137-12
Matrix: Air Lab File ID: 200-54759-015.D
Analysis Method: TO-15 Date Collected: 03/02/2023 13:11
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 19:38
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	11	U	11	2.5
99-87-6	4-Isopropyltoluene	134.22	11	U	11	3.3
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	4.4
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	5.4
100-44-7	Benzyl chloride	126.58	10	U	10	4.6
104-51-8	n-Butylbenzene	134.22	11	U	11	6.0
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	4.0
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	24
87-68-3	Hexachlorobutadiene	260.76	21	U	21	12
91-20-3	Naphthalene	128.17	37		26	16
87-61-6	1,2,3-Trichlorobenzene	181.40	37	U	37	24

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>VMP-3R</u>	Lab Sample ID: <u>200-67137-12</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-015.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 13:11</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 19:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-015.D
 Lims ID: 200-67137-A-12
 Client ID: VMP-3R
 Sample Type: Client
 Inject. Date: 20-Mar-2023 19:38:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-015
 Misc. Info.: 67137-12
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:37:04 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: BKZ7

Date: 21-Mar-2023 08:37:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	98	2867	0.0343	
3 Chlorodifluoromethane	51	3.190	3.179	0.011	95	3191	0.0661	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	MU
5 Chloromethane	50		3.458				ND	7
6 Vinyl chloride	62		3.656				ND	
7 Butane	43		3.661				ND	MU
8 Butadiene	54		3.730				ND	
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101		4.870				ND	7
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		5.795				ND	
19 Acetone	43	5.908	5.827	0.081	99	14515	0.4057	
22 Isopropyl alcohol	45	6.223	6.084	0.139	97	4083	0.0937	
23 Carbon disulfide	76	6.154	6.143	0.011	99	3263	0.0403	
25 3-Chloro-1-propene	41		6.395				ND	7
26 Methylene Chloride	49		6.603				ND	7
27 2-Methyl-2-propanol	59		6.817				ND	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57	7.603	7.604	-0.001	89	1521	0.0404	
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.893	8.807	0.086	100	1741	0.1466	
35 cis-1,2-Dichloroethene	96		8.823				ND	
* 37 Chlorobromomethane	128	9.246	9.241	0.005	95	269727	10.0	
38 Tetrahydrofuran	42		9.315				ND	
39 Chloroform	83		9.422				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84		9.904				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117		10.043				ND	
44 Benzene	78	10.423	10.423	0.011	95	3434	0.0334	M
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43		11.017				ND	7
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	95	1438449	10.0	
50 Trichloroethene	95		11.712				ND	
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.333	14.333	0.005	94	2878	0.0434	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	
67 Tetrachloroethene	166	15.398	15.398	0.000	93	21259	0.3688	
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.196	17.190	0.006	89	1218356	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.474	17.474	0.006	98	7106	0.0494	
74 m-Xylene & p-Xylene	106		17.752				ND	
76 o-Xylene	106	18.565	18.576	0.005	95	1806	0.0353	
77 Styrene	104		18.597				ND	
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	
S 82 Xylenes, Total	106				0		0.0353	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.095				ND	
84 2-Chlorotoluene	91		20.245				ND	
85 4-Ethyltoluene	105		20.309				ND	
86 1,3,5-Trimethylbenzene	105		20.411				ND	
89 tert-Butylbenzene	119		20.914				ND	7
90 1,2,4-Trimethylbenzene	105		21.005				ND	MU
91 sec-Butylbenzene	105		21.256				ND	
92 1,3-Dichlorobenzene	146		21.422				ND	7
93 4-Isopropyltoluene	119	21.481	21.487	0.000	91	1397	0.0121	
94 1,4-Dichlorobenzene	146		21.572				ND	7
95 Benzyl chloride	91		21.721				ND	7
97 n-Butylbenzene	91		22.048				ND	
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.519				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128	24.995	25.003	0.000	98	85286	0.7130	
103 1,2,3-Trichlorobenzene	180		25.402				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-015.D

Injection Date: 20-Mar-2023 19:38:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-12

Lab Sample ID: 200-67137-12

Worklist Smp#: 15

Client ID: VMP-3R

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

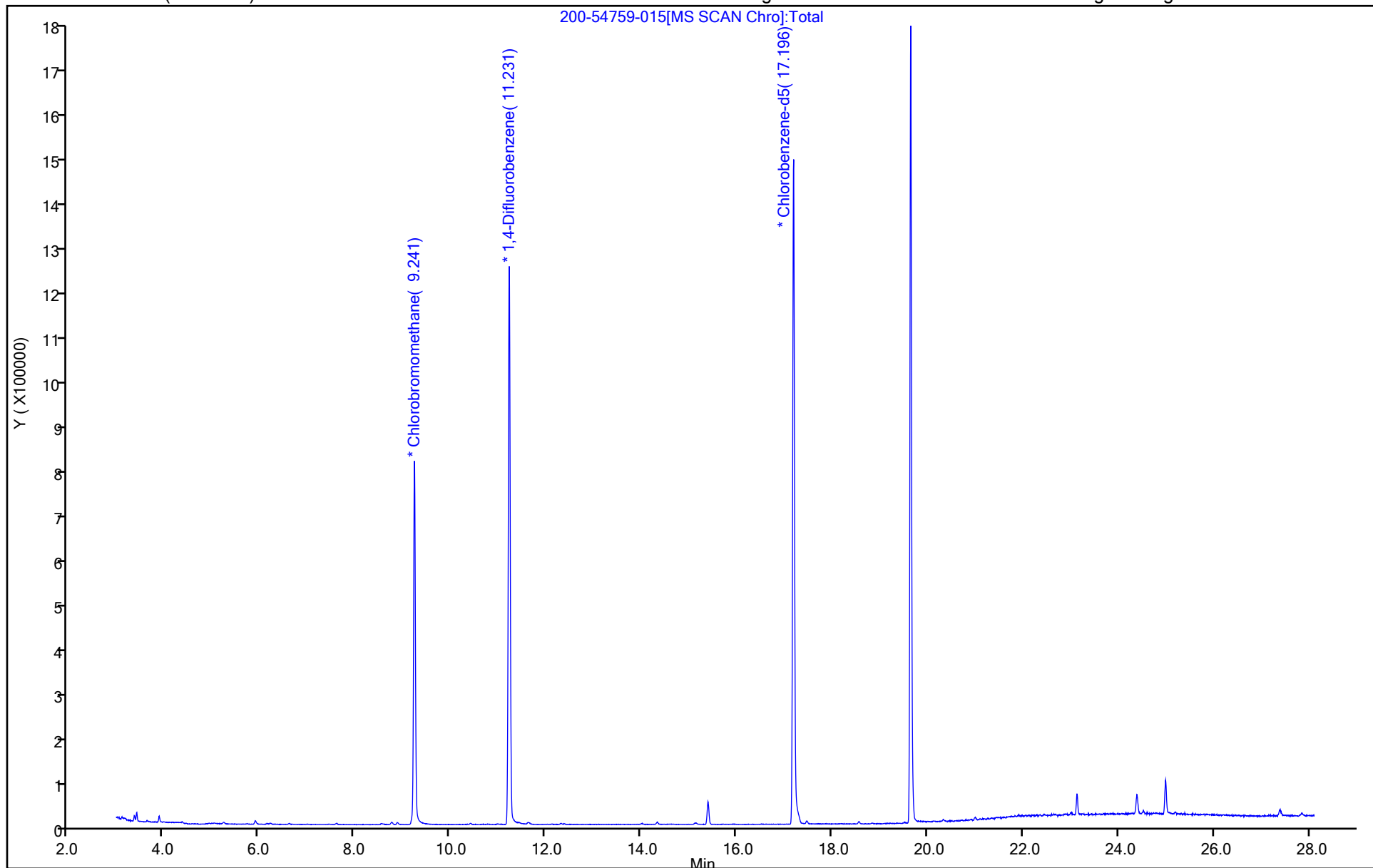
ALS Bottle#: 14

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-015.D

Injection Date: 20-Mar-2023 19:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-12

Lab Sample ID: 200-67137-12

Client ID: VMP-3R

Operator ID: vtp

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

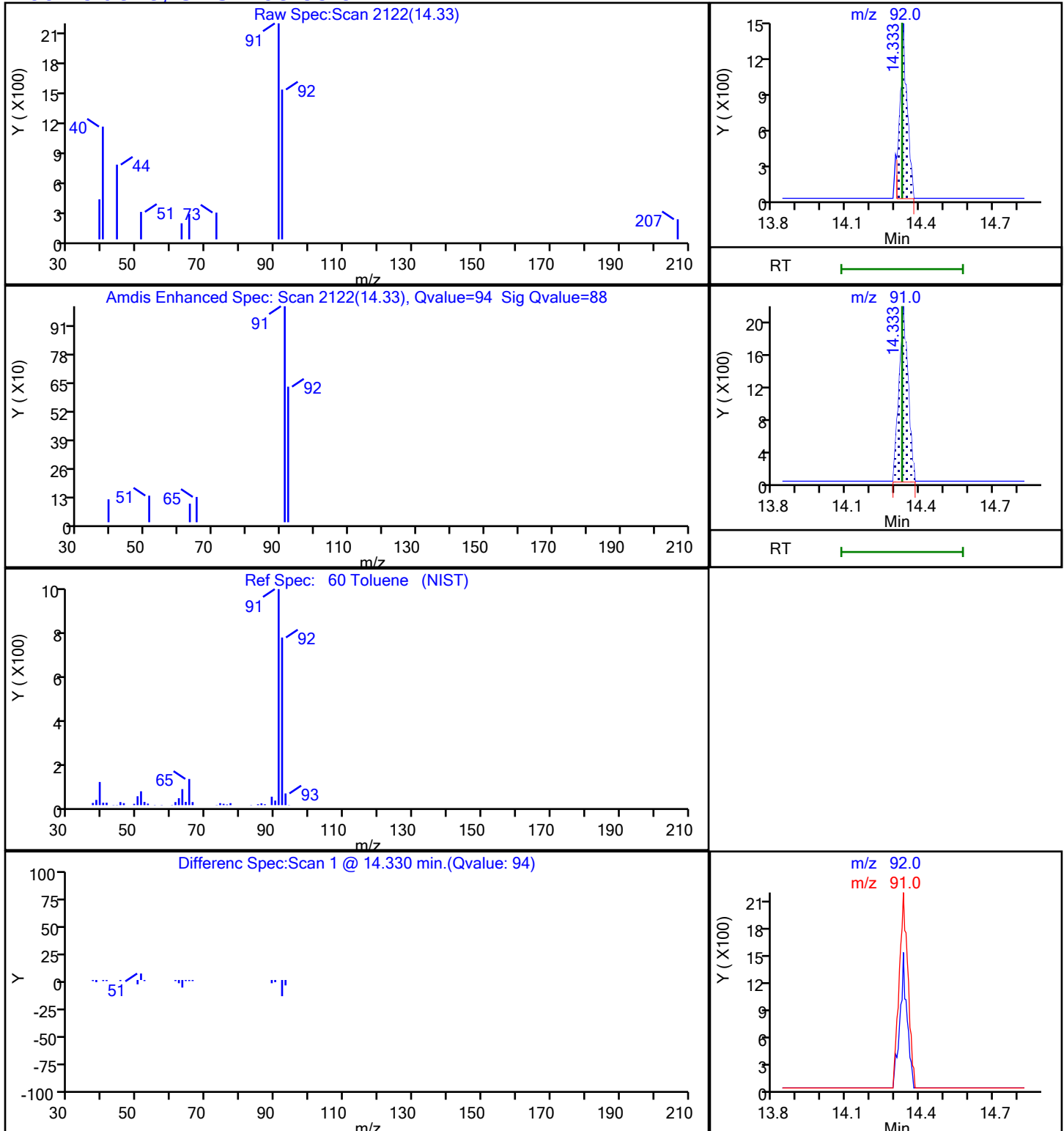
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-015.D

Injection Date: 20-Mar-2023 19:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-12

Lab Sample ID: 200-67137-12

Client ID: VMP-3R

Operator ID: vtp

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 200.000 mL

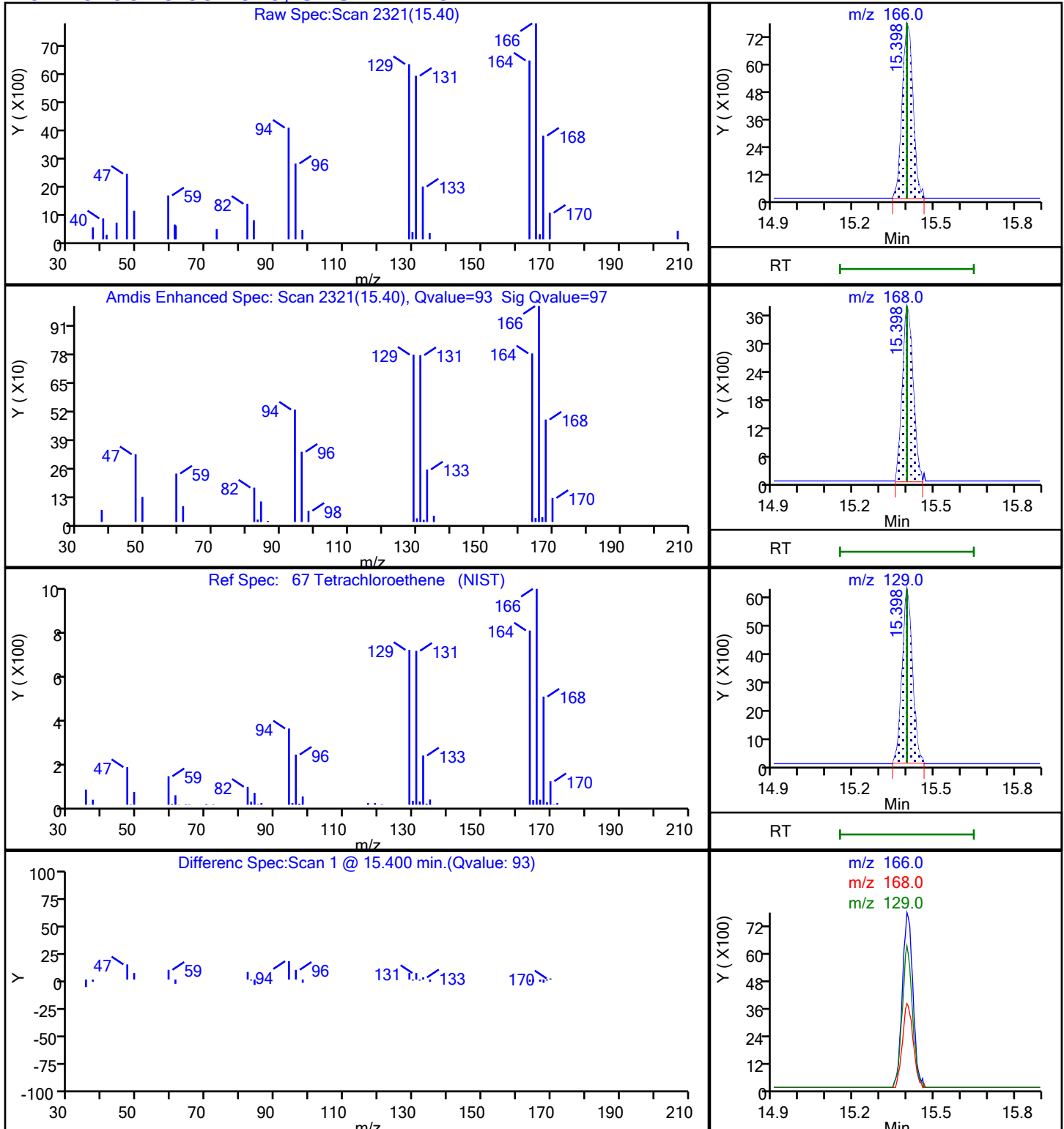
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-015.D

Injection Date: 20-Mar-2023 19:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-12

Lab Sample ID: 200-67137-12

Client ID: VMP-3R

Operator ID: vtp

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 200.000 mL

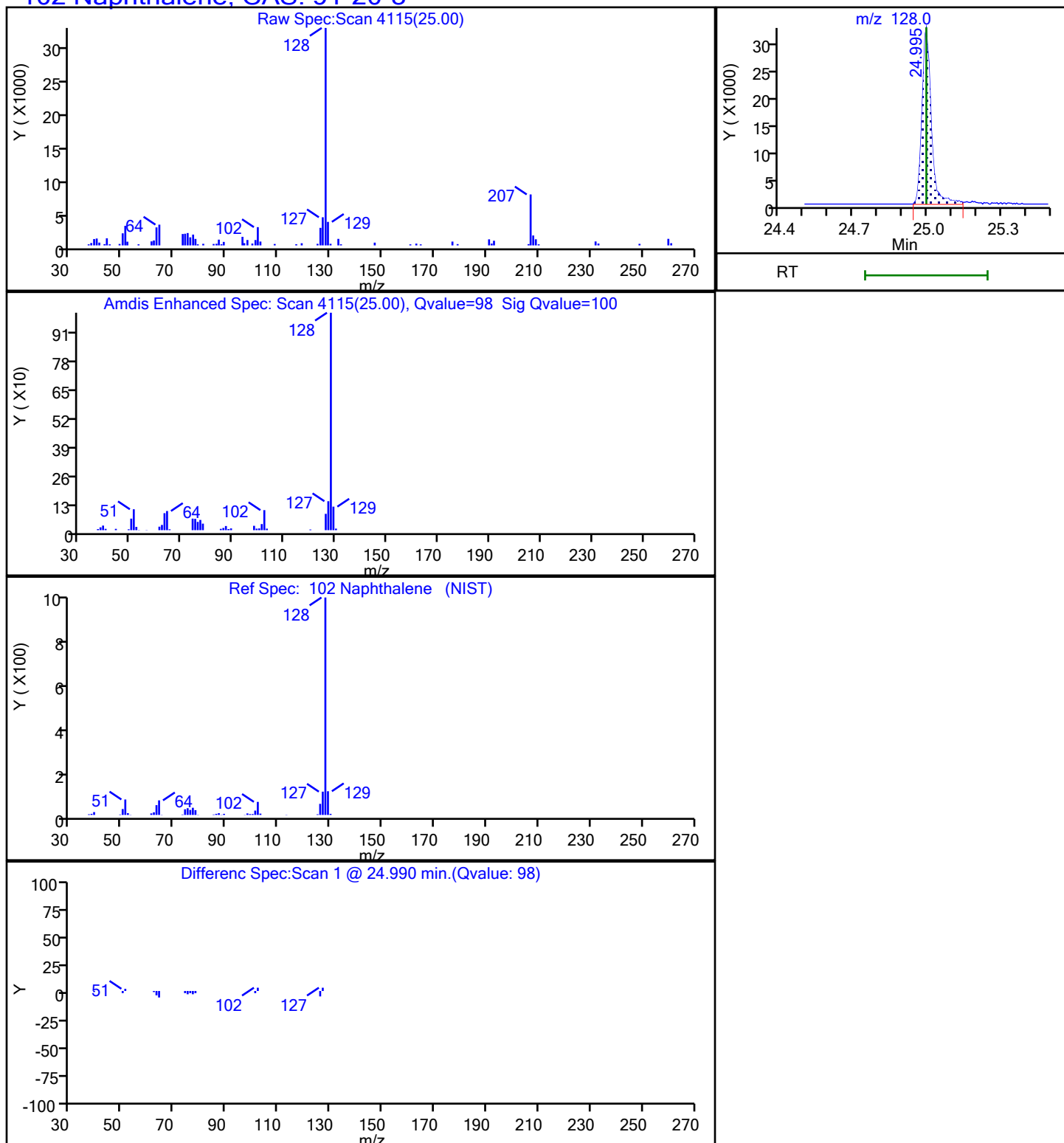
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

102 Naphthalene, CAS: 91-20-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-015.D

Injection Date: 20-Mar-2023 19:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-12

Lab Sample ID: 200-67137-12

Client ID: VMP-3R

Operator ID: vtp

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

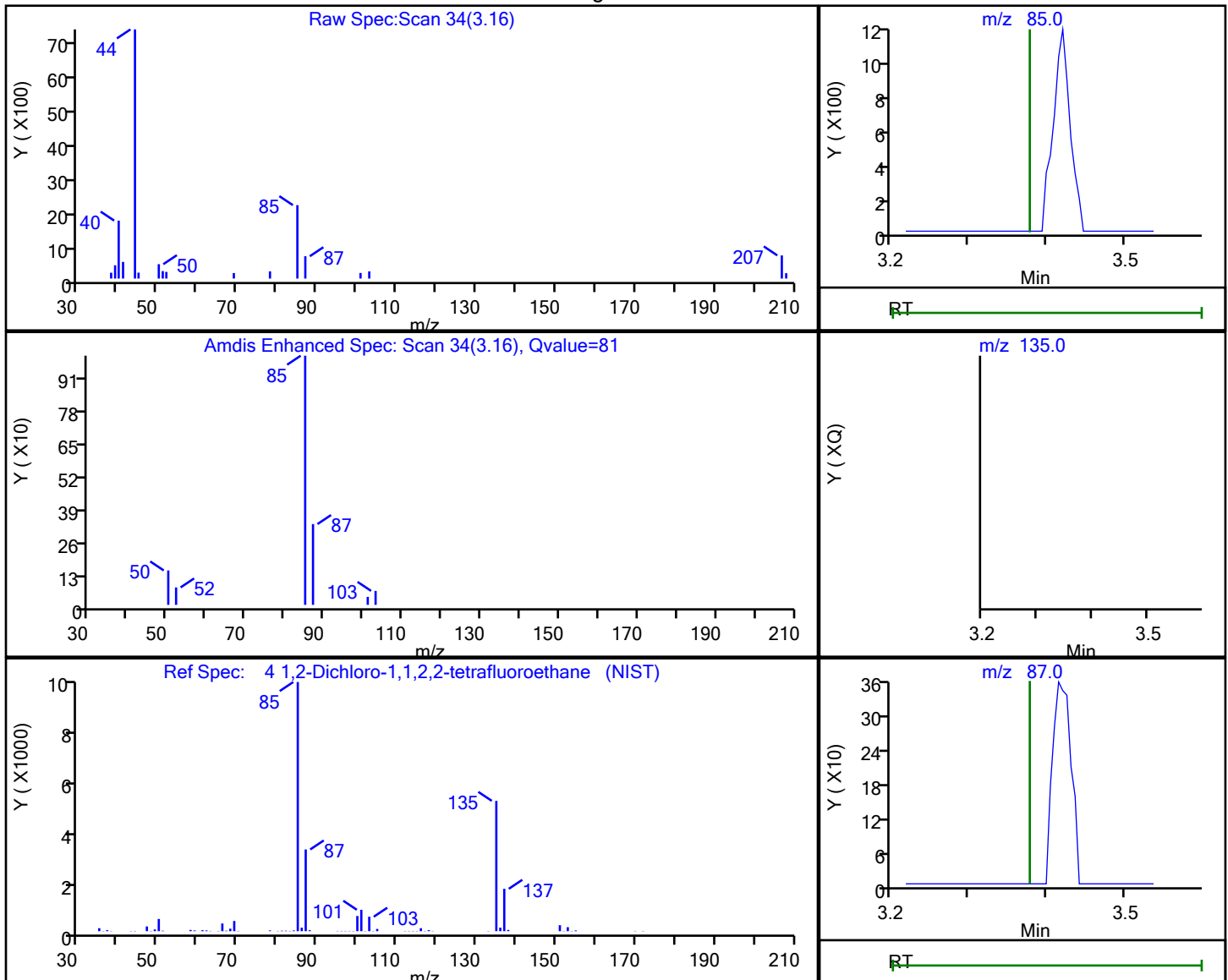
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
3.16	85.00	2867	0.036811
3.38	135.00	0	
3.16	87.00	894	

Reviewer: BKZ7, 21-Mar-2023 08:36:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-015.D

Injection Date: 20-Mar-2023 19:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-12

Lab Sample ID: 200-67137-12

Client ID: VMP-3R

Operator ID: vtp

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

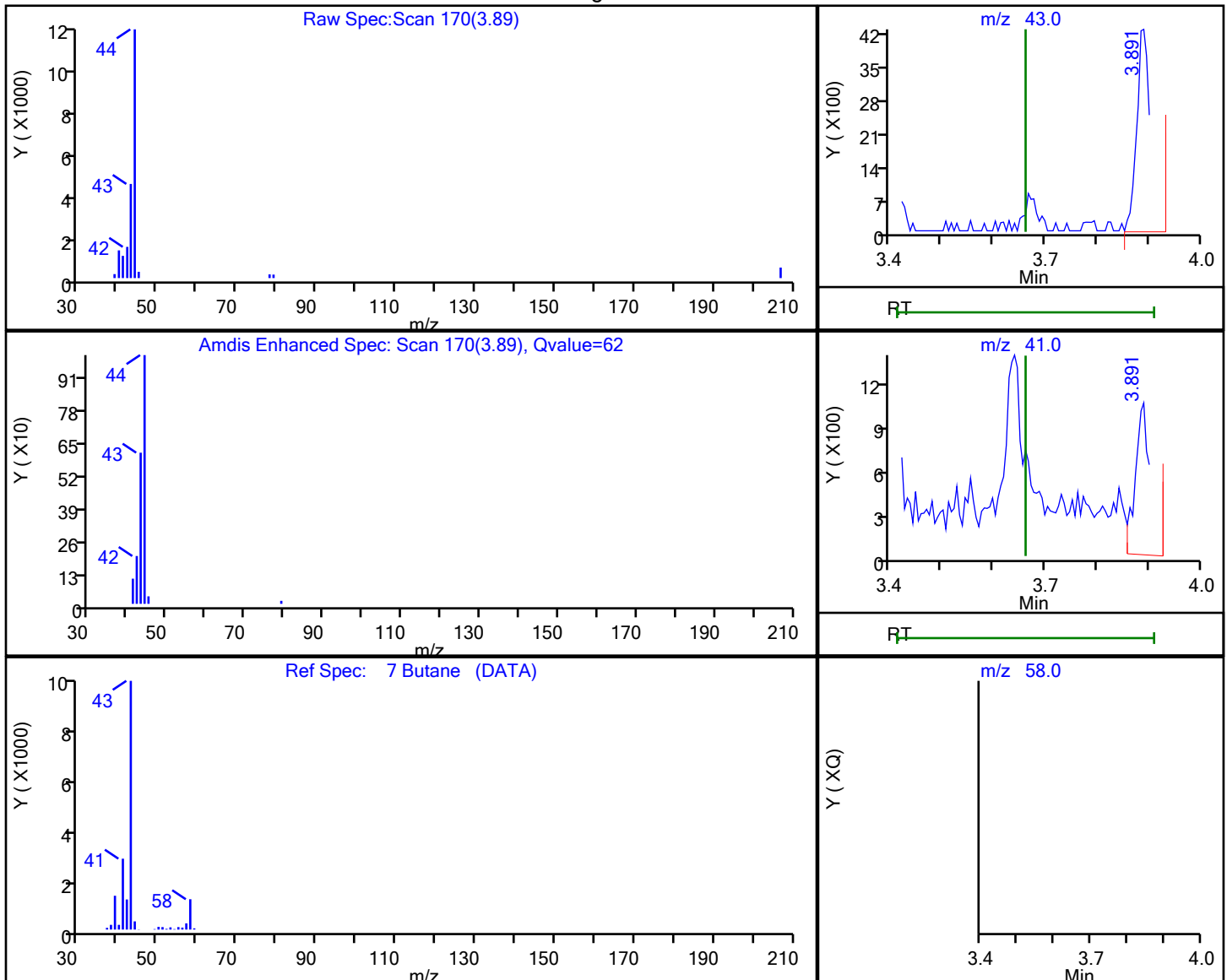
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.89	43.00	7936	0.237424
3.89	41.00	2239	
3.66	58.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:36:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

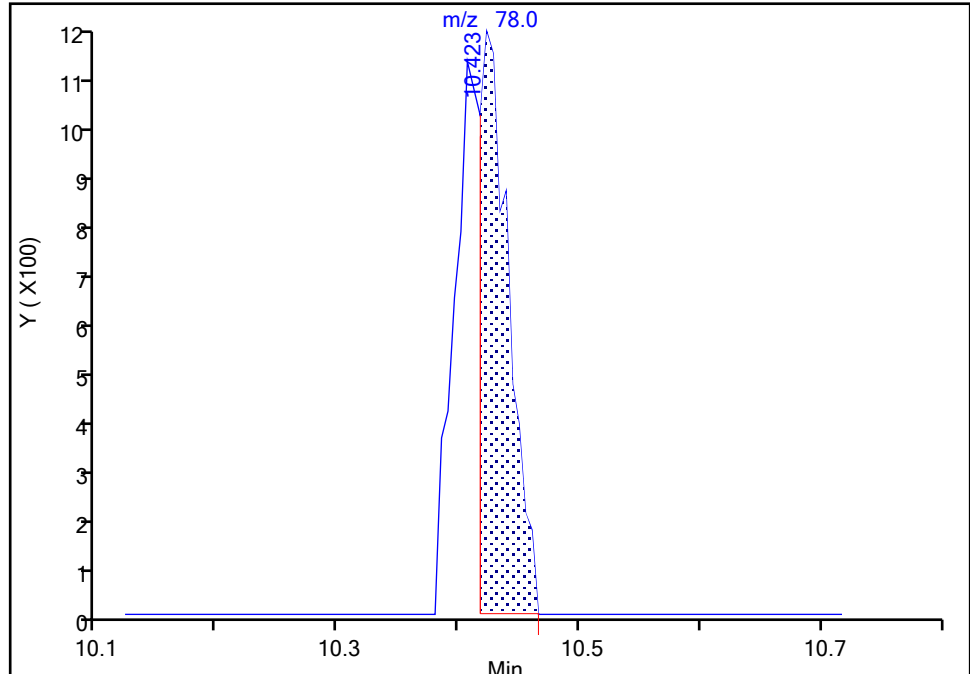
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-015.D		
Injection Date:	20-Mar-2023 19:38:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-12	Lab Sample ID:	200-67137-12
Client ID:	VMP-3R		
Operator ID:	vtp	ALS Bottle#:	14
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	15

44 Benzene, CAS: 71-43-2

Signal: 1

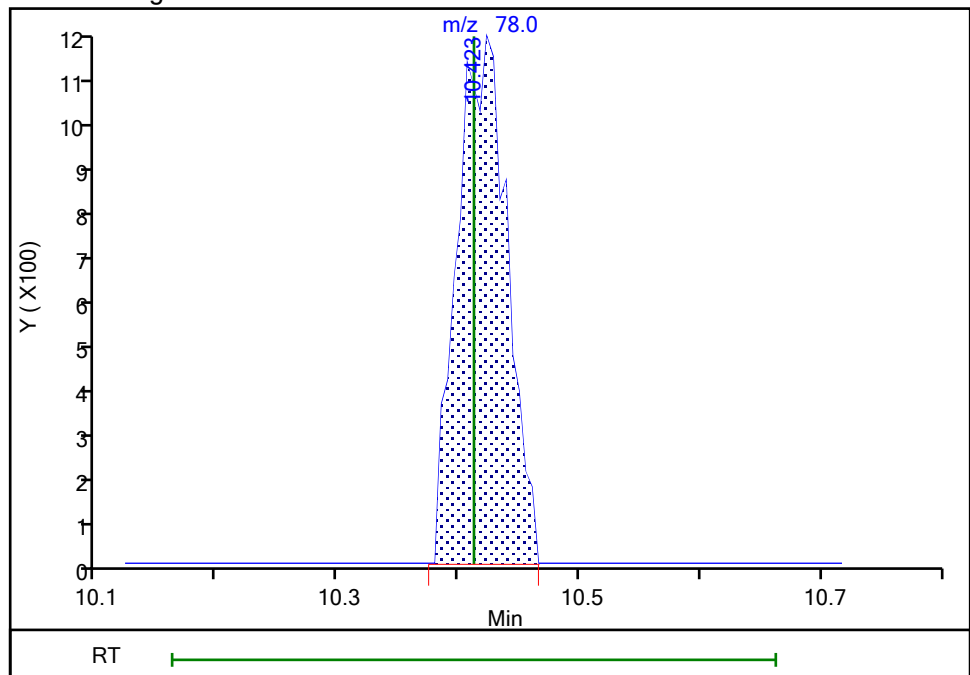
RT: 10.42
Area: 2017
Amount: 0.019634
Amount Units: ppb v/v

Processing Integration Results



RT: 10.42
Area: 3434
Amount: 0.033427
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:36:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 604 of 919

3/21/2023 4:48
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-015.D

Injection Date: 20-Mar-2023 19:38:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-12

Lab Sample ID: 200-67137-12

Client ID: VMP-3R

Operator ID: vtp

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

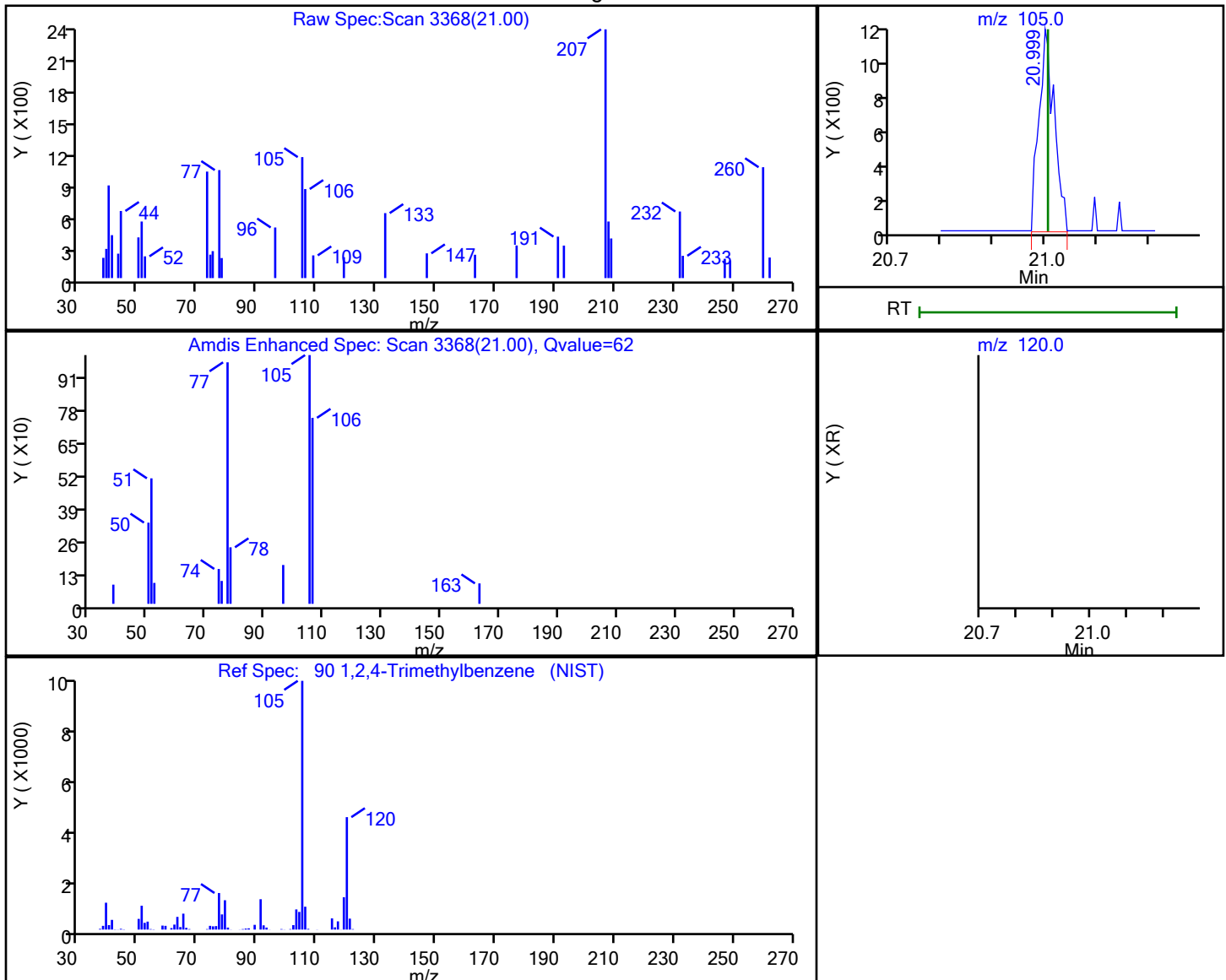
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
21.00	105.00	2349	0.021579
21.00	120.00	0	

Reviewer: BKZ7, 21-Mar-2023 08:35:58

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>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>VMP-4R</u>	Lab Sample ID: <u>200-67137-13</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-016.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 12:57</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 20:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	1.1
75-45-6	Freon 22	86.47	5.0	U	5.0	1.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	0.48
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.5
106-97-8	n-Butane	58.12	5.0	U	5.0	2.0
75-01-4	Vinyl chloride	62.50	0.78	U	0.78	0.21
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.39
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.71
75-00-3	Chloroethane	64.52	5.0	U	5.0	1.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	0.50
75-69-4	Trichlorofluoromethane	137.37	2.0	U	2.0	0.50
76-13-1	Freon TF	187.38	2.0	U	2.0	0.53
75-35-4	1,1-Dichloroethene	96.94	0.35	U	0.35	0.26
67-64-1	Acetone	58.08	50	U	50	16
67-63-0	Isopropyl alcohol	60.10	50	U	50	16
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	1.3
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	1.2
75-09-2	Methylene Chloride	84.93	5.0	U	5.0	1.8
75-65-0	tert-Butyl alcohol	74.12	50	U	50	12
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.23
110-54-3	n-Hexane	86.17	1.5	J	5.0	1.1
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.25
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	0.50	U	0.50	0.21
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	0.21
67-66-3	Chloroform	119.38	2.0	U	2.0	0.41
109-99-9	Tetrahydrofuran	72.11	50	U	50	13
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.44
110-82-7	Cyclohexane	84.16	2.0	U	2.0	0.58
56-23-5	Carbon tetrachloride	153.81	0.35	U	0.35	0.22
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.38

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: VMP-4R Lab Sample ID: 200-67137-13

Matrix: Air Lab File ID: 200-54759-016.D

Analysis Method: TO-15 Date Collected: 03/02/2023 12:57

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 20:30

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	2.0	U	2.0	0.44
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.93
142-82-5	n-Heptane	100.21	2.0	U	2.0	0.55
79-01-6	Trichloroethene	131.39	0.30	J	0.35	0.25
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	1.4
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.94
123-91-1	1,4-Dioxane	88.11	50	U	50	13
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.50
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.45
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	1.3
108-88-3	Toluene	92.14	0.63	J	2.0	0.42
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.54
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.74
127-18-4	Tetrachloroethene	165.83	22		2.0	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	1.5
124-48-1	Dibromochloromethane	208.28	2.0	U	2.0	0.63
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.42
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.44
100-41-4	Ethylbenzene	106.17	0.58	J	2.0	0.52
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.95
95-47-6	Xylene, o-	106.17	0.57	J	2.0	0.52
1330-20-7	Xylene (total)	106.17	0.57	J	7.0	0.52
100-42-5	Styrene	104.15	2.0	U	2.0	0.59
75-25-2	Bromoform	252.75	2.0	U	2.0	1.2
98-82-8	Cumene	120.19	2.0	U	2.0	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.43
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.47
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.47
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.46
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.80

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: VMP-4R Lab Sample ID: 200-67137-13
 Matrix: Air Lab File ID: 200-54759-016.D
 Analysis Method: TO-15 Date Collected: 03/02/2023 12:57
 Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 20:30
 Soil Aliquot Vol: _____ Dilution Factor: 10
 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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.45
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.61
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.74
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.89
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.88
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	1.1
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.66
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	3.3
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	1.1
91-20-3	Naphthalene	128.17	5.0	U	5.0	3.0
87-61-6	1,2,3-Trichlorobenzene	181.40	5.0	U	5.0	3.2

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: VMP-4R Lab Sample ID: 200-67137-13

Matrix: Air Lab File ID: 200-54759-016.D

Analysis Method: TO-15 Date Collected: 03/02/2023 12:57

Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 20:30

Soil Aliquot Vol: _____ Dilution Factor: 10

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	5.4
75-45-6	Freon 22	86.47	18	U	18	4.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	3.4
74-87-3	Chloromethane	50.49	10	U	10	3.1
106-97-8	n-Butane	58.12	12	U	12	4.8
75-01-4	Vinyl chloride	62.50	2.0	U	2.0	0.54
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.86
74-83-9	Bromomethane	94.94	7.8	U	7.8	2.8
75-00-3	Chloroethane	64.52	13	U	13	4.7
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	2.2
75-69-4	Trichlorofluoromethane	137.37	11	U	11	2.8
76-13-1	Freon TF	187.38	15	U	15	4.1
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	1.0
67-64-1	Acetone	58.08	120	U	120	38
67-63-0	Isopropyl alcohol	60.10	120	U	120	39
75-15-0	Carbon disulfide	76.14	16	U	16	4.0
107-05-1	3-Chloropropene	76.53	16	U	16	3.8
75-09-2	Methylene Chloride	84.93	17	U	17	6.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	36
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	1.3
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	0.91
110-54-3	n-Hexane	86.17	5.4	J	18	3.9
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.0
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	14
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.83
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	0.83
67-66-3	Chloroform	119.38	9.8	U	9.8	2.0
109-99-9	Tetrahydrofuran	72.11	150	U	150	38
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	2.4
110-82-7	Cyclohexane	84.16	6.9	U	6.9	2.0
56-23-5	Carbon tetrachloride	153.81	2.2	U	2.2	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.8

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>VMP-4R</u>	Lab Sample ID: <u>200-67137-13</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-016.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 12:57</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 20:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	6.4	U	6.4	1.4
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	3.8
142-82-5	n-Heptane	100.21	8.2	U	8.2	2.3
79-01-6	Trichloroethene	131.39	1.6	J	1.9	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	5.7
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	4.3
123-91-1	1,4-Dioxane	88.11	180	U	180	47
75-27-4	Bromodichloromethane	163.83	13	U	13	3.4
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	2.0
108-10-1	methyl isobutyl ketone	100.16	20	U	20	5.3
108-88-3	Toluene	92.14	2.4	J	7.5	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	2.5
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	4.0
127-18-4	Tetrachloroethene	165.83	150		14	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	6.1
124-48-1	Dibromochloromethane	208.28	17	U	17	5.4
106-93-4	1,2-Dibromoethane	187.87	15	U	15	3.2
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	2.0
100-41-4	Ethylbenzene	106.17	2.5	J	8.7	2.3
179601-23-1	m,p-Xylene	106.17	22	U	22	4.1
95-47-6	Xylene, o-	106.17	2.5	J	8.7	2.3
1330-20-7	Xylene (total)	106.17	2.5	J	30	2.3
100-42-5	Styrene	104.15	8.5	U	8.5	2.5
75-25-2	Bromoform	252.75	21	U	21	12
98-82-8	Cumene	120.19	9.8	U	9.8	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	3.0
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	2.3
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	2.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	2.4
98-06-6	tert-Butylbenzene	134.22	11	U	11	2.6
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	3.9

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: VMP-4R Lab Sample ID: 200-67137-13
Matrix: Air Lab File ID: 200-54759-016.D
Analysis Method: TO-15 Date Collected: 03/02/2023 12:57
Sample wt/vol: 20 (mL) Date Analyzed: 03/20/2023 20:30
Soil Aliquot Vol: _____ Dilution Factor: 10
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	11	U	11	2.5
99-87-6	4-Isopropyltoluene	134.22	11	U	11	3.3
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	4.4
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	5.4
100-44-7	Benzyl chloride	126.58	10	U	10	4.6
104-51-8	n-Butylbenzene	134.22	11	U	11	6.0
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	4.0
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	24
87-68-3	Hexachlorobutadiene	260.76	21	U	21	12
91-20-3	Naphthalene	128.17	26	U	26	16
87-61-6	1,2,3-Trichlorobenzene	181.40	37	U	37	24

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: <u>VMP-4R</u>	Lab Sample ID: <u>200-67137-13</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-016.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/02/2023 12:57</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>03/20/2023 20:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D
 Lims ID: 200-67137-A-13
 Client ID: VMP-4R
 Sample Type: Client
 Inject. Date: 20-Mar-2023 20:30:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0054759-016
 Misc. Info.: 67137-13
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 08:40:09 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: BKZ7

Date: 21-Mar-2023 08:40:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	98	4379	0.0510	
3 Chlorodifluoromethane	51	3.179	3.179	0.000	95	5559	0.1120	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377				ND	
5 Chloromethane	50		3.458				ND	MU
6 Vinyl chloride	62		3.656				ND	
7 Butane	43		3.661				ND	7
8 Butadiene	54		3.730				ND	
9 Bromomethane	94		4.228				ND	
10 Chloroethane	64		4.421				ND	
12 Vinyl bromide	106		4.742				ND	
13 Trichlorofluoromethane	101		4.870				ND	7
18 1,1-Dichloroethene	96		5.763				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		5.795				ND	
19 Acetone	43	5.892	5.827	0.065	99	14687	0.3992	
22 Isopropyl alcohol	45		6.084				ND	7
23 Carbon disulfide	76	6.154	6.143	0.011	94	3309	0.0397	
25 3-Chloro-1-propene	41		6.395				ND	7
26 Methylene Chloride	49	6.614	6.603	0.011	95	2447	0.0687	
27 2-Methyl-2-propanol	59		6.817				ND	
29 trans-1,2-Dichloroethene	61		7.095				ND	
30 Methyl tert-butyl ether	73		7.117				ND	
31 Hexane	57	7.609	7.604	0.005	90	5898	0.1523	
32 1,1-Dichloroethane	63		7.839				ND	
34 2-Butanone (MEK)	72	8.888	8.807	0.081	98	1362	0.1115	
35 cis-1,2-Dichloroethene	96		8.823				ND	7
* 37 Chlorobromomethane	128	9.241	9.241	0.000	96	277380	10.0	
38 Tetrahydrofuran	42		9.315				ND	7
39 Chloroform	83		9.422				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.749				ND	
41 Cyclohexane	84	9.899	9.899	-0.005	86	858	0.0209	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Carbon tetrachloride	117		10.043				ND	
44 Benzene	78	10.418	10.423	0.006	95	4423	0.0416	
45 1,2-Dichloroethane	62		10.487				ND	
46 Isooctane	57		10.669				ND	
47 n-Heptane	43		11.017				ND	7
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	95	1489206	10.0	
50 Trichloroethene	95	11.718	11.718	0.006	87	1927	0.0295	M
51 1,2-Dichloropropane	63		12.215				ND	
54 Methyl methacrylate	69		12.349				ND	
55 1,4-Dioxane	88		12.392				ND	7
56 Dichlorobromomethane	83		12.734				ND	
58 cis-1,3-Dichloropropene	75		13.627				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943				ND	7
60 Toluene	92	14.328	14.333	0.000	94	4391	0.0632	
65 trans-1,3-Dichloropropene	75		14.778				ND	
66 1,1,2-Trichloroethane	83		15.179				ND	MU
67 Tetrachloroethene	166	15.404	15.398	0.006	94	132020	2.18	
68 2-Hexanone	43		15.655				ND	7
69 Chlorodibromomethane	129		15.965				ND	
70 Ethylene Dibromide	107		16.211				ND	
* 71 Chlorobenzene-d5	117	17.190	17.190	0.000	89	1278292	10.0	
72 Chlorobenzene	112		17.254				ND	
73 Ethylbenzene	91	17.474	17.474	0.006	98	8694	0.0576	
74 m-Xylene & p-Xylene	106	17.741	17.741	-0.011	0	1694	0.0328	M
76 o-Xylene	106	18.565	18.576	0.005	97	3046	0.0568	
77 Styrene	104		18.597				ND	
78 Bromoform	173		18.961				ND	
79 Isopropylbenzene	105		19.330				ND	7
S 82 Xylenes, Total	106				0		0.0896	
80 1,1,2,2-Tetrachloroethane	83		19.876				ND	7
83 N-Propylbenzene	91		20.095				ND	
84 2-Chlorotoluene	91		20.245				ND	
85 4-Ethyltoluene	105		20.309				ND	7
86 1,3,5-Trimethylbenzene	105		20.411				ND	7
89 tert-Butylbenzene	119		20.914				ND	7
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.005	89	3209	0.0281	M
91 sec-Butylbenzene	105		21.256				ND	
92 1,3-Dichlorobenzene	146		21.422				ND	
93 4-Isopropyltoluene	119		21.481				ND	7
94 1,4-Dichlorobenzene	146		21.572				ND	
95 Benzyl chloride	91		21.721				ND	7
97 n-Butylbenzene	91		22.048				ND	7
96 1,2-Dichlorobenzene	146		22.069				ND	7
100 1,2,4-Trichlorobenzene	180		24.519				ND	7
101 Hexachlorobutadiene	225		24.776				ND	
102 Naphthalene	128	25.001	25.003	0.006	97	19103	0.1522	
103 1,2,3-Trichlorobenzene	180		25.402				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Worklist Smp#: 16

Client ID: VMP-4R

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

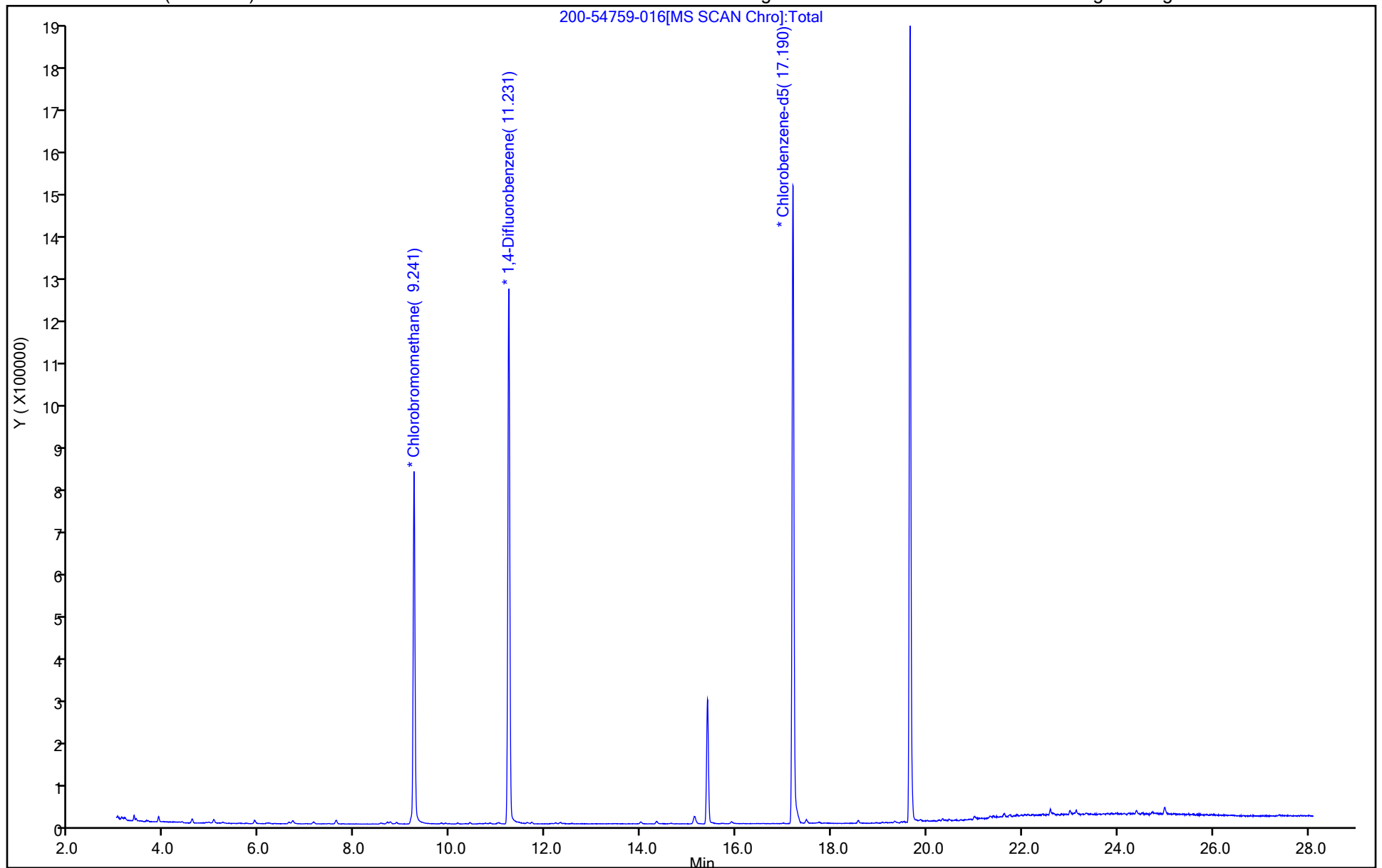
ALS Bottle#: 15

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Client ID: VMP-4R

Operator ID: vtp

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 200.000 mL

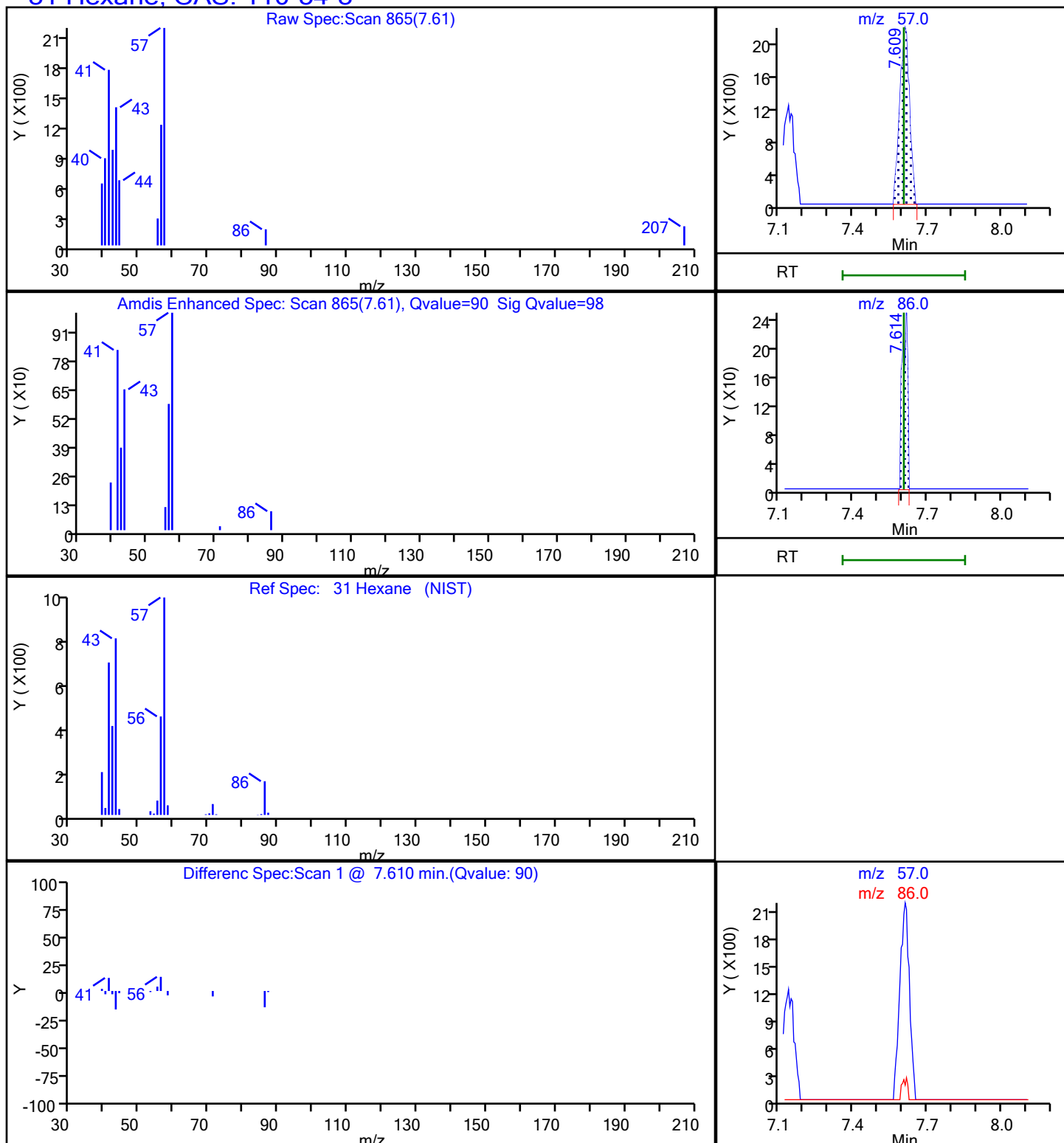
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Client ID: VMP-4R

Operator ID: vtp

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 200.000 mL

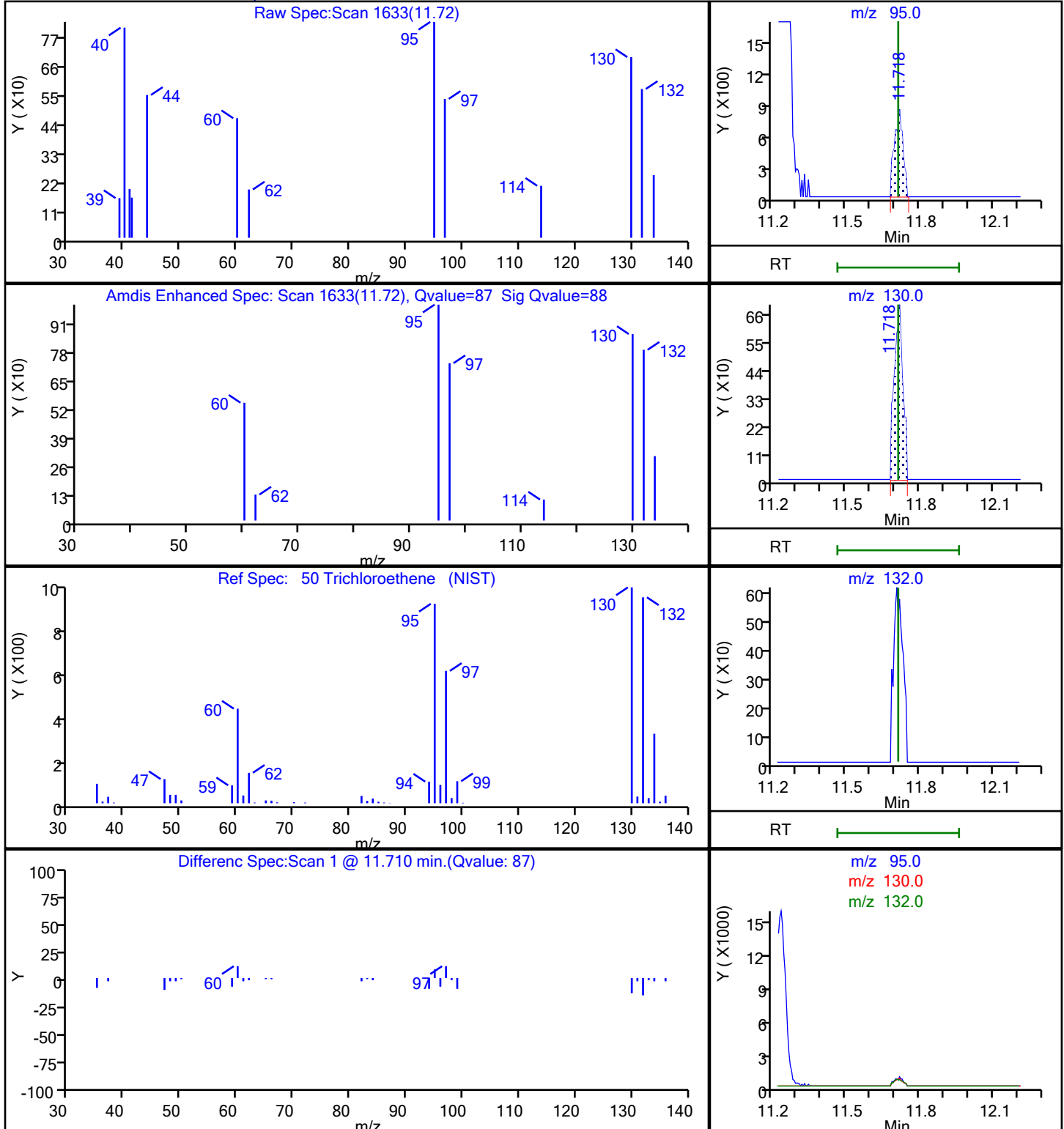
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

50 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Client ID: VMP-4R

Operator ID: vtp

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

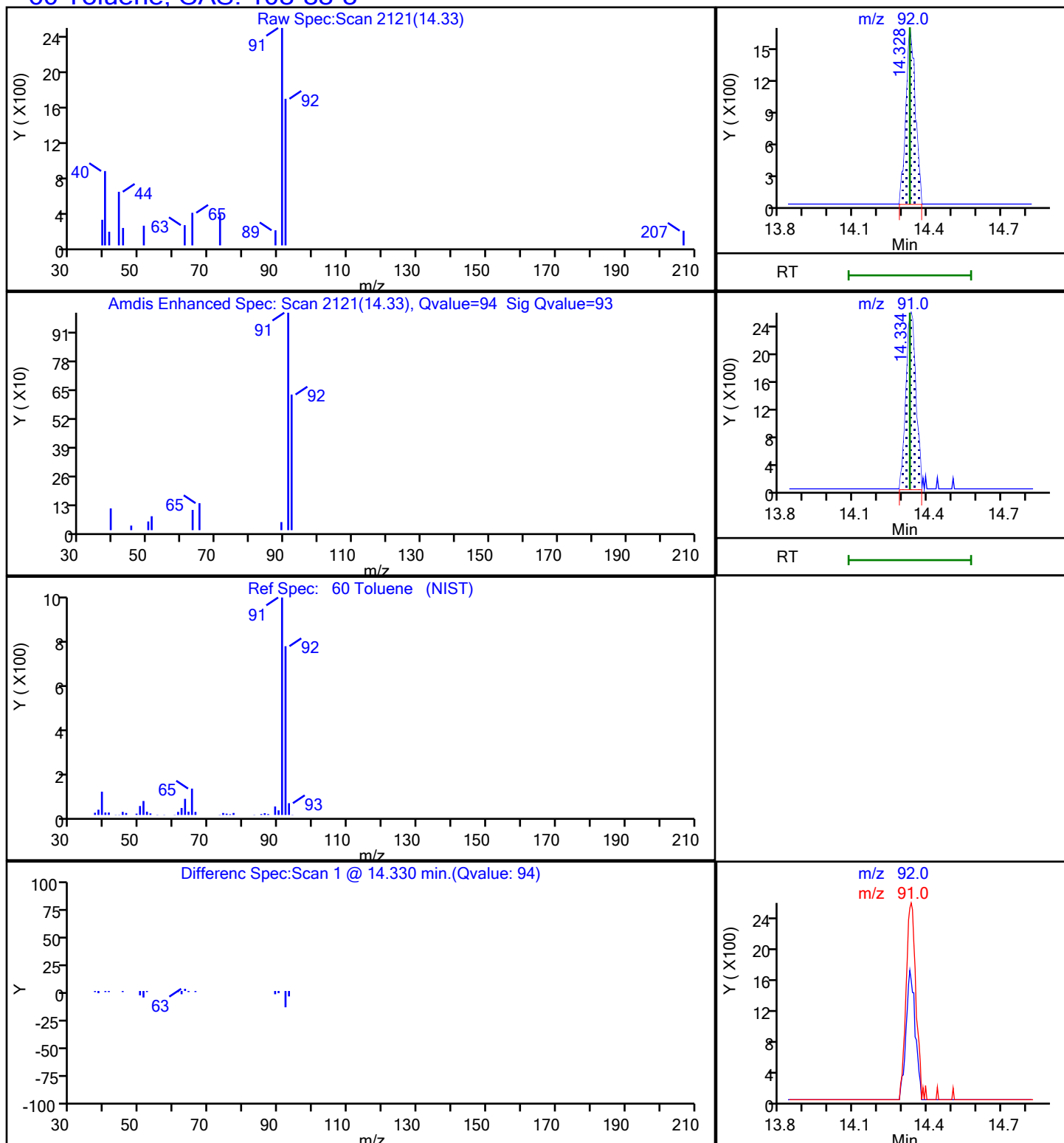
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Client ID: VMP-4R

Operator ID: vtp

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 200.000 mL

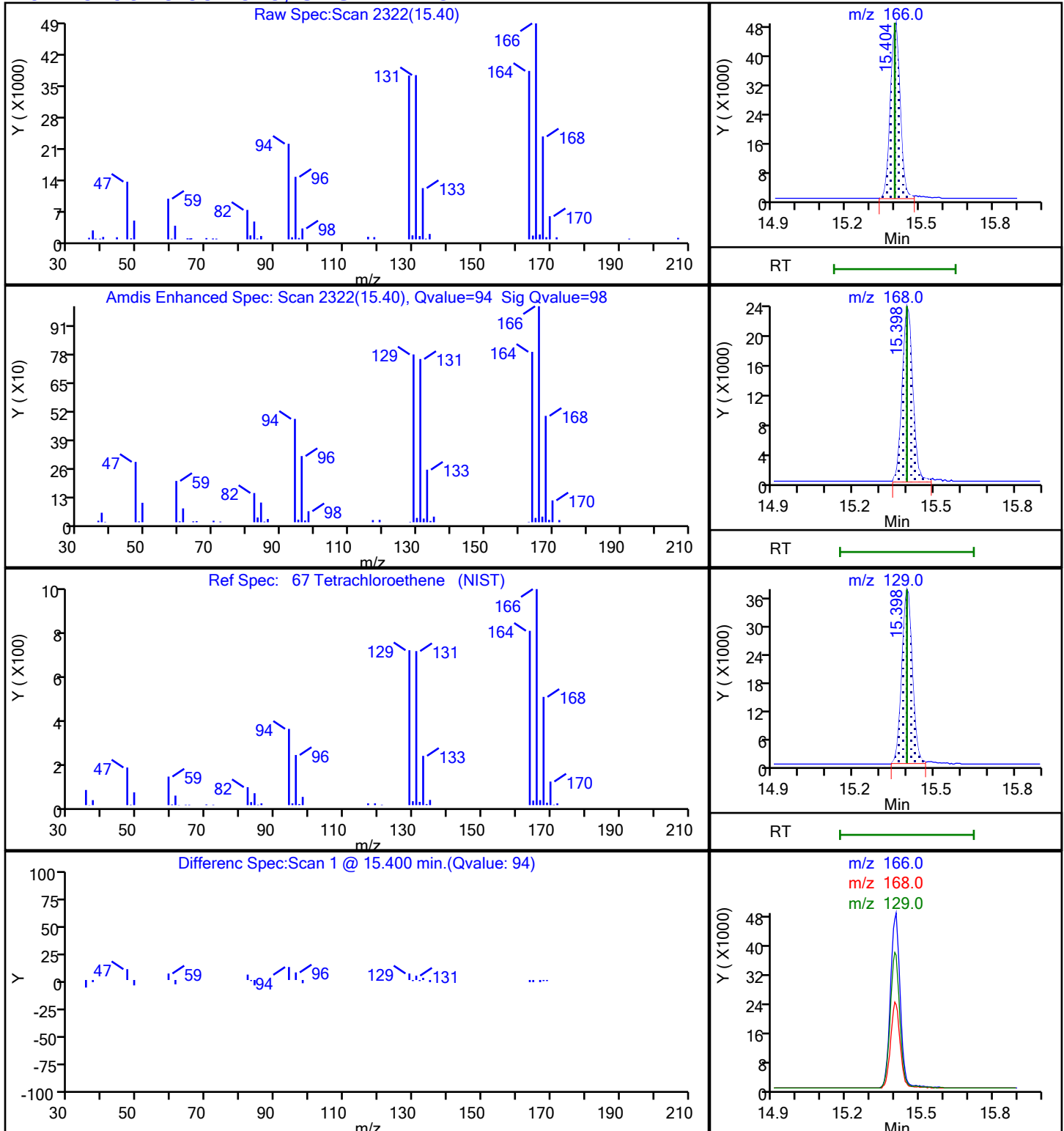
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

67 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Client ID: VMP-4R

Operator ID: vtp

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

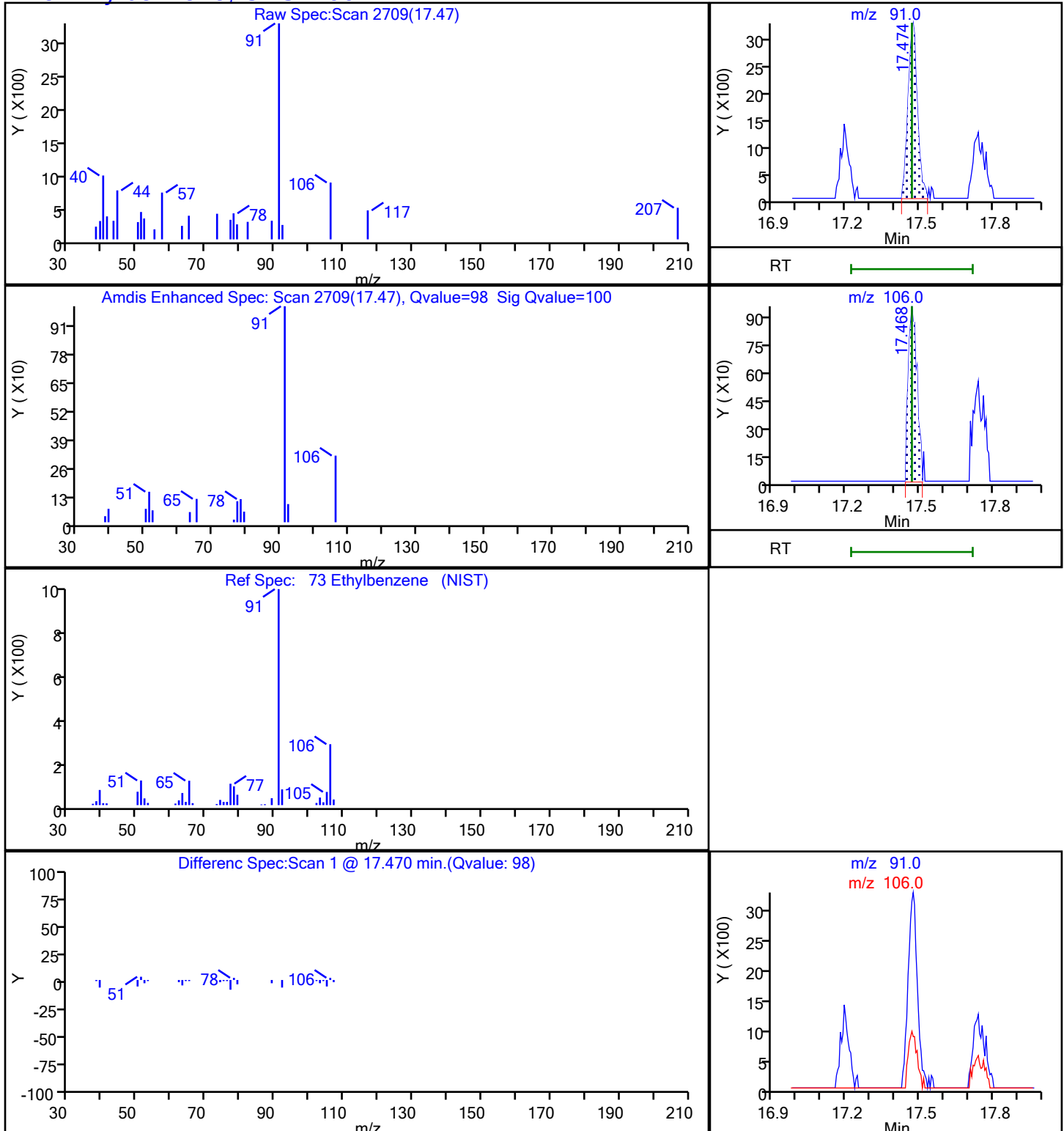
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

73 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Client ID: VMP-4R

Operator ID: vtp

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 200.000 mL

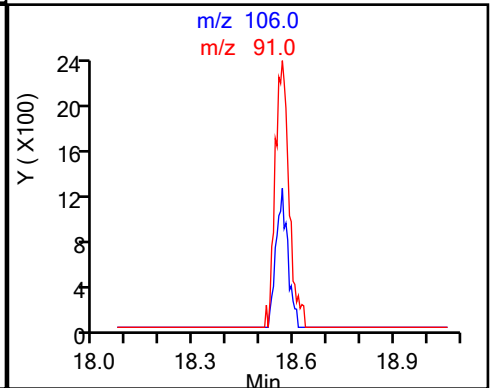
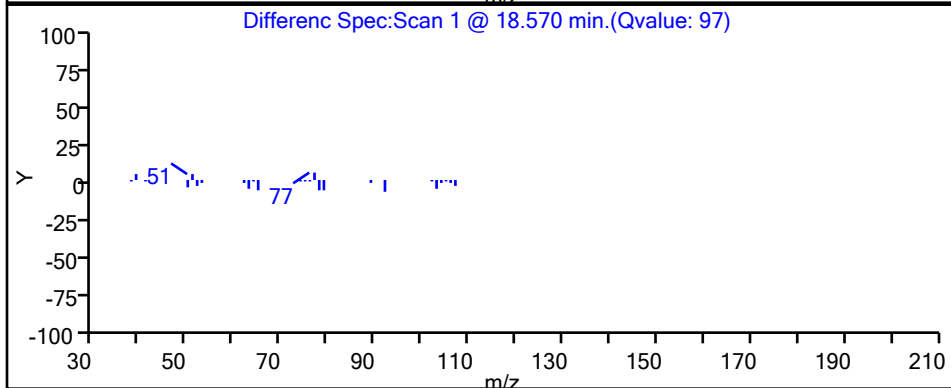
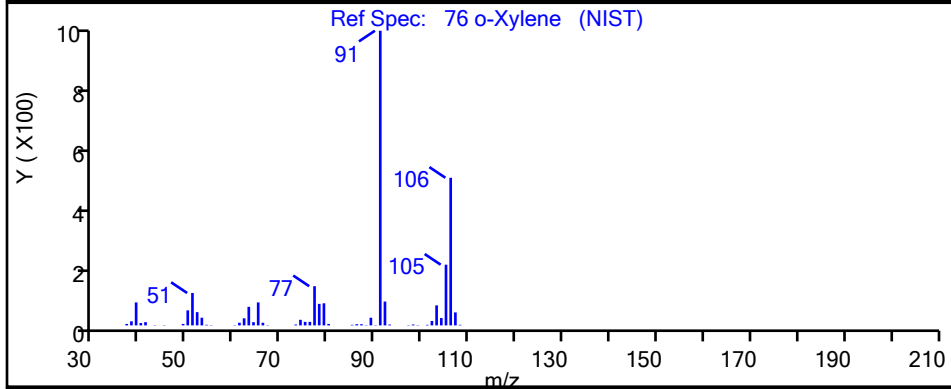
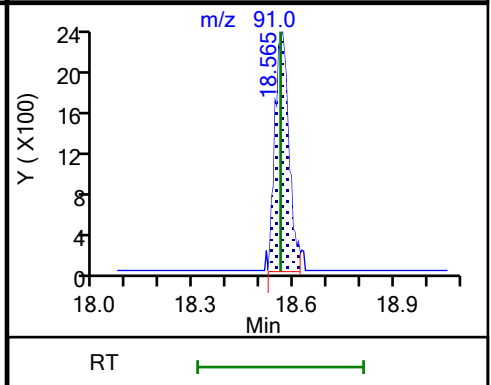
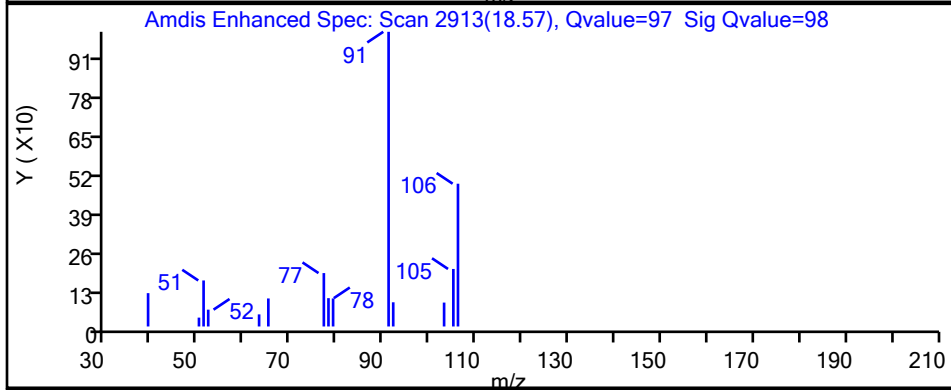
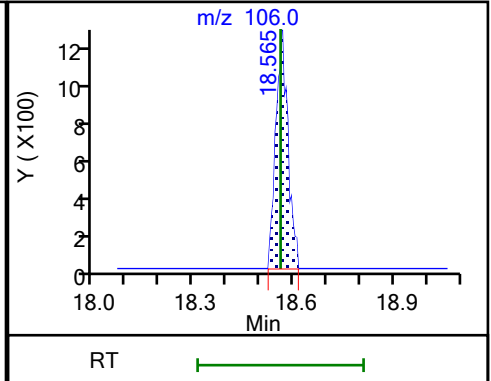
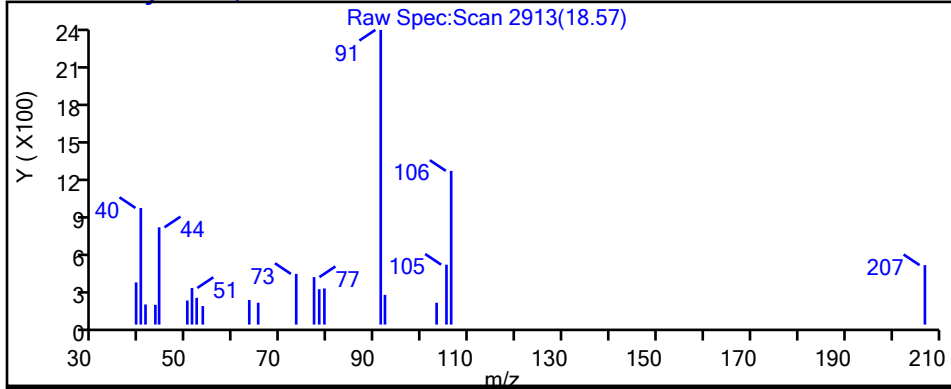
Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Client ID: VMP-4R

Operator ID: vtp

ALS Bottle#:

15

Worklist Smp#: 16

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

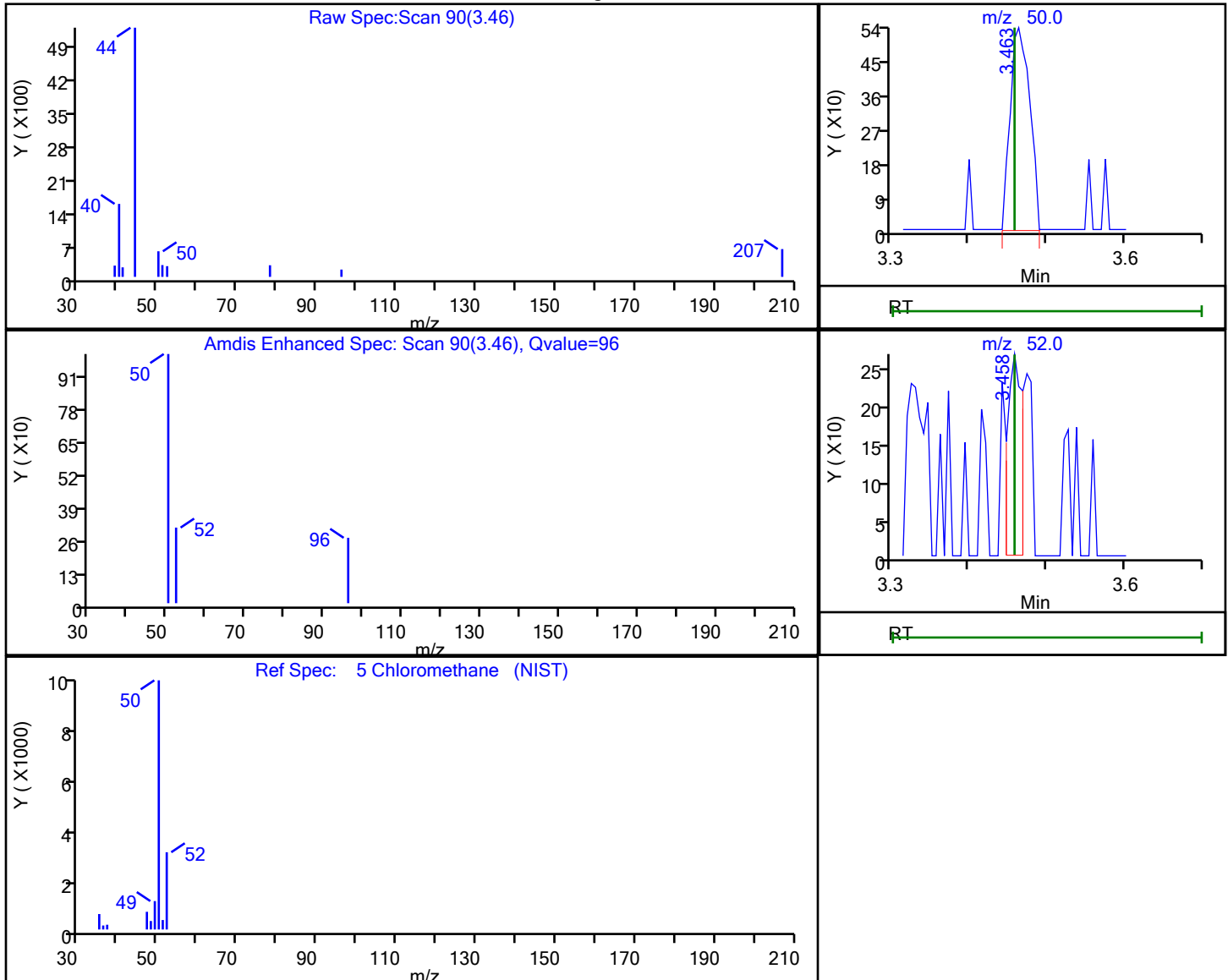
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
3.46	50.00	940	0.034038
3.46	52.00	348	

Reviewer: BKZ7, 21-Mar-2023 08:39:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

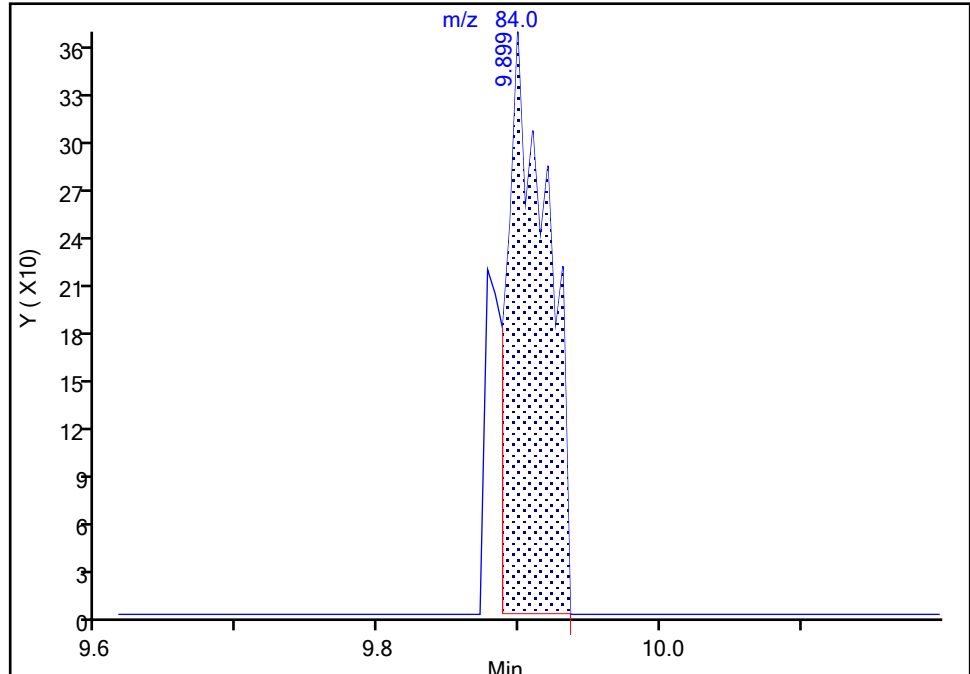
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D		
Injection Date:	20-Mar-2023 20:30:30	Instrument ID:	CHG.i
Lims ID:	200-67137-A-13	Lab Sample ID:	200-67137-13
Client ID:	VMP-4R		
Operator ID:	vtp	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

41 Cyclohexane, CAS: 110-82-7

Signal: 1

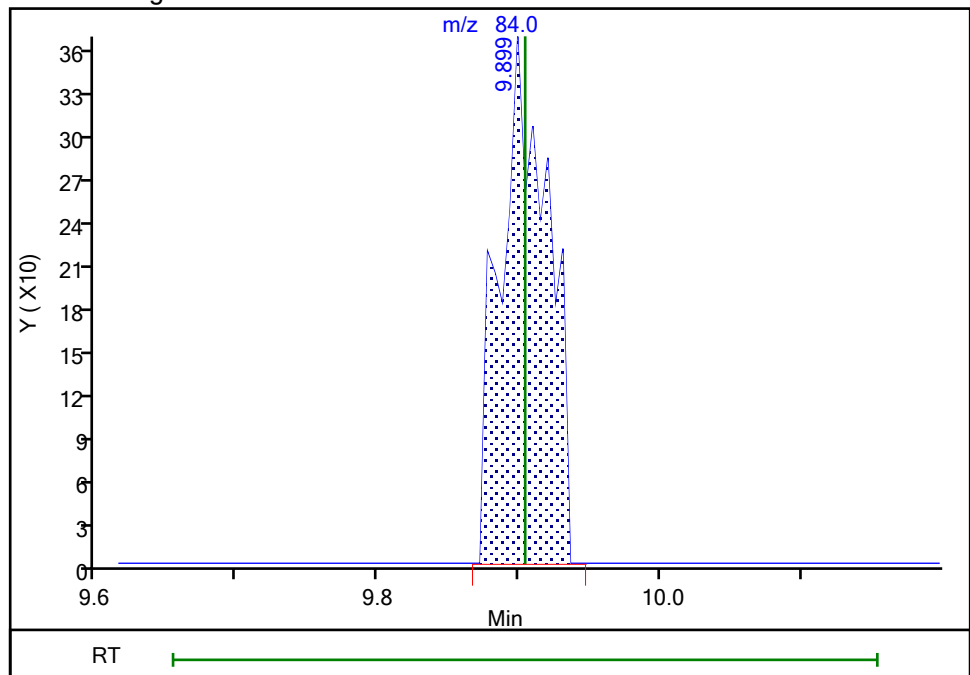
RT: 9.90
Area: 724
Amount: 0.017633
Amount Units: ppb v/v

Processing Integration Results



RT: 9.90
Area: 858
Amount: 0.020896
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:39:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

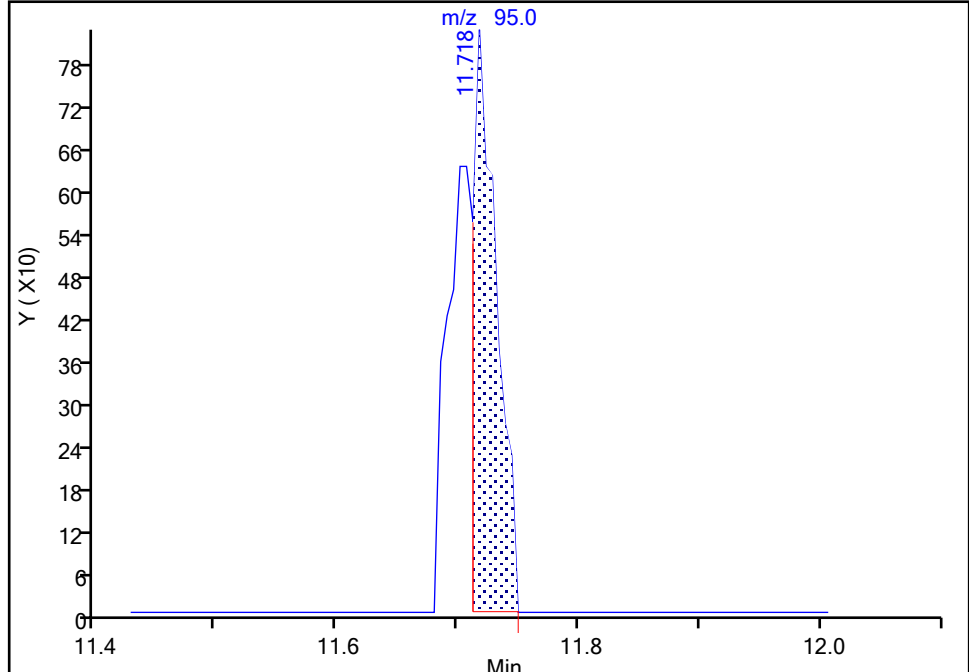
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D				
Injection Date:	20-Mar-2023 20:30:30	Instrument ID:	CHG.i		
Lims ID:	200-67137-A-13	Lab Sample ID:	200-67137-13		
Client ID:	VMP-4R				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

50 Trichloroethene, CAS: 79-01-6

Signal: 1

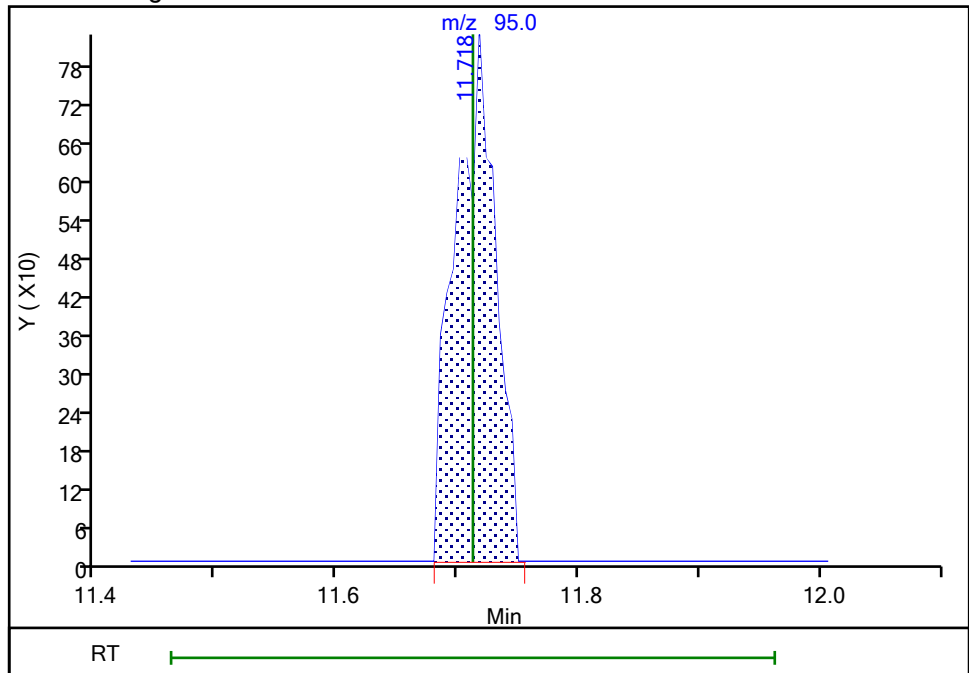
RT: 11.72
Area: 1124
Amount: 0.017220
Amount Units: ppb v/v

Processing Integration Results



RT: 11.72
Area: 1927
Amount: 0.029522
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:39:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D

Injection Date: 20-Mar-2023 20:30:30

Instrument ID: CHG.i

Lims ID: 200-67137-A-13

Lab Sample ID: 200-67137-13

Client ID: VMP-4R

Operator ID: vtp

ALS Bottle#:

15

Worklist Smp#: 16

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

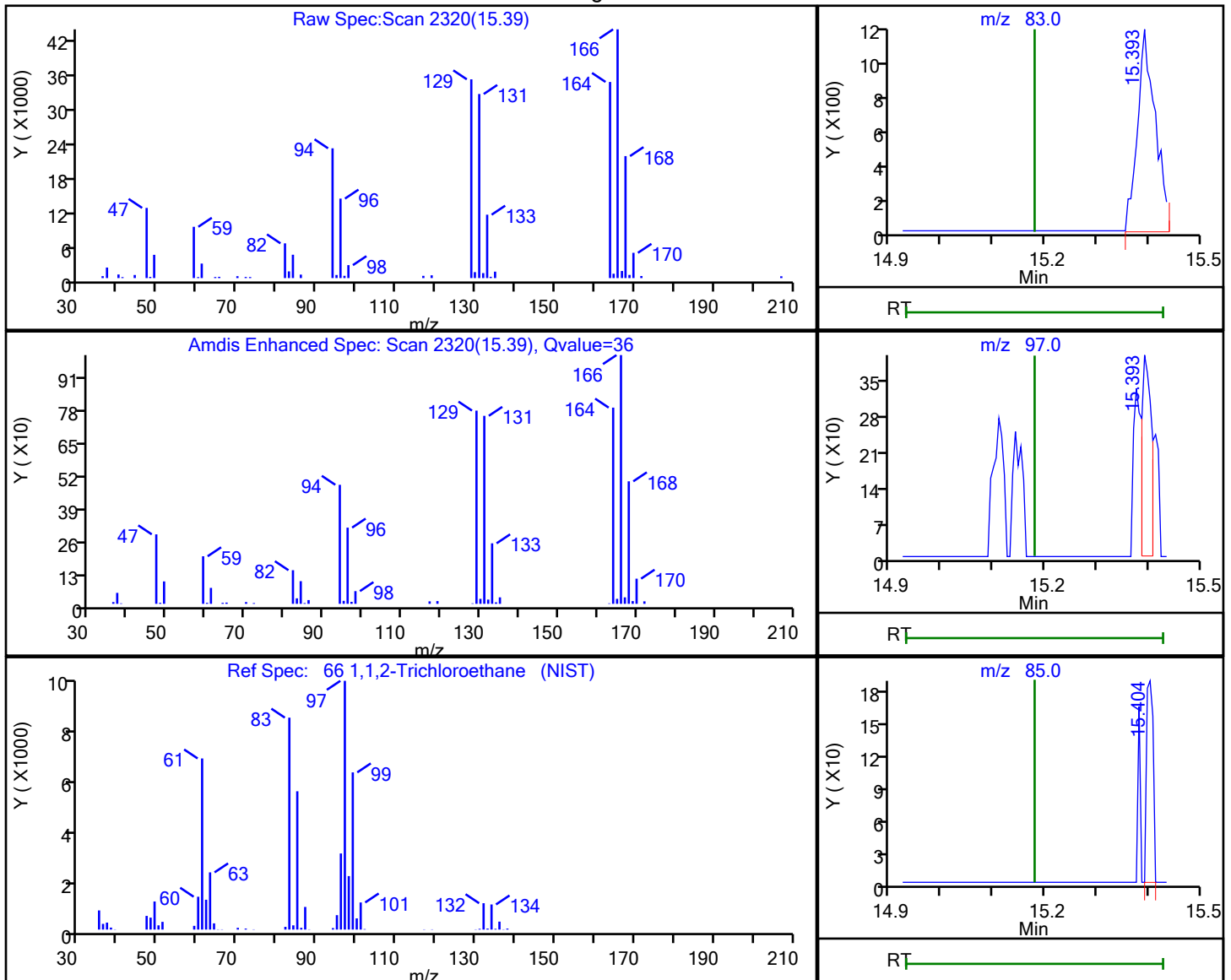
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

66 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
15.39	83.00	2802	0.069966
15.39	97.00	504	
15.40	85.00	169	

Reviewer: BKZ7, 21-Mar-2023 08:39:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

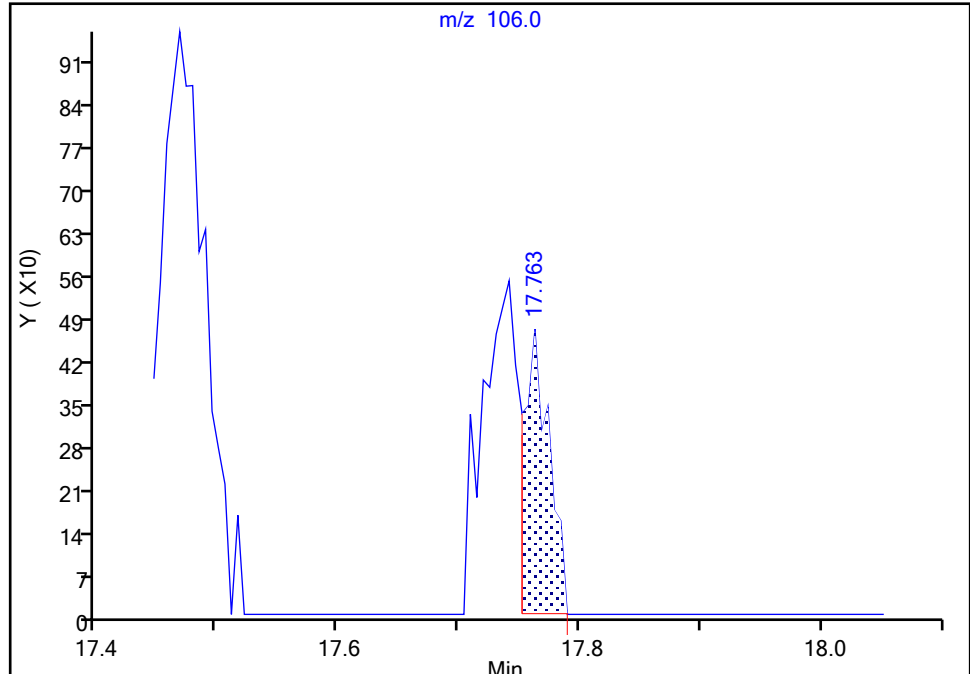
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Injection Date: 20-Mar-2023 20:30:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-13 Lab Sample ID: 200-67137-13
Client ID: VMP-4R
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

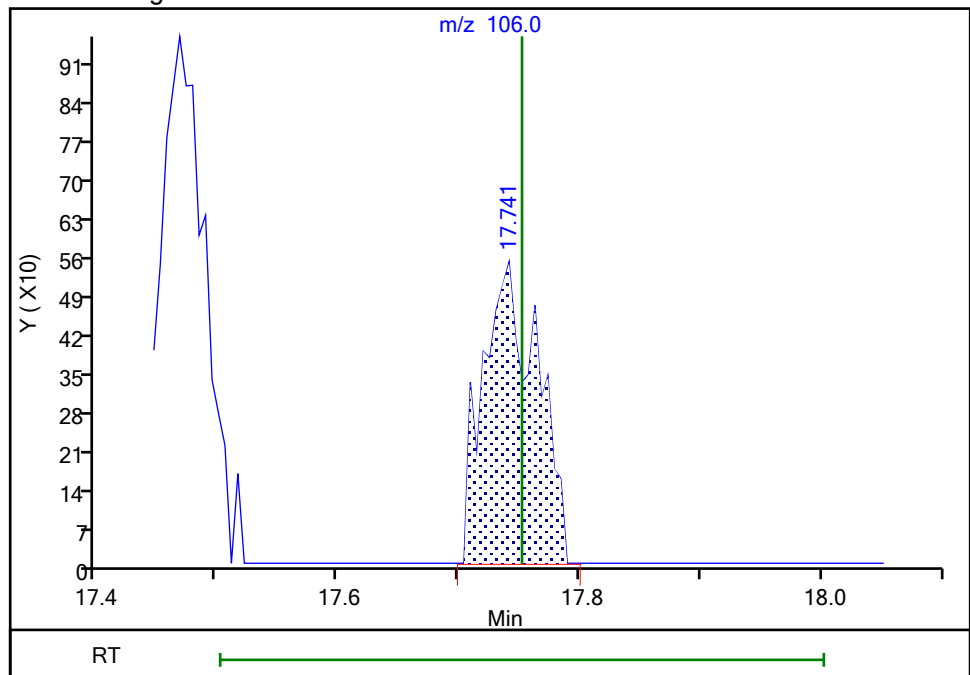
RT: 17.76
Area: 672
Amount: 0.013030
Amount Units: ppb v/v

Processing Integration Results



RT: 17.74
Area: 1694
Amount: 0.032846
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:39:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

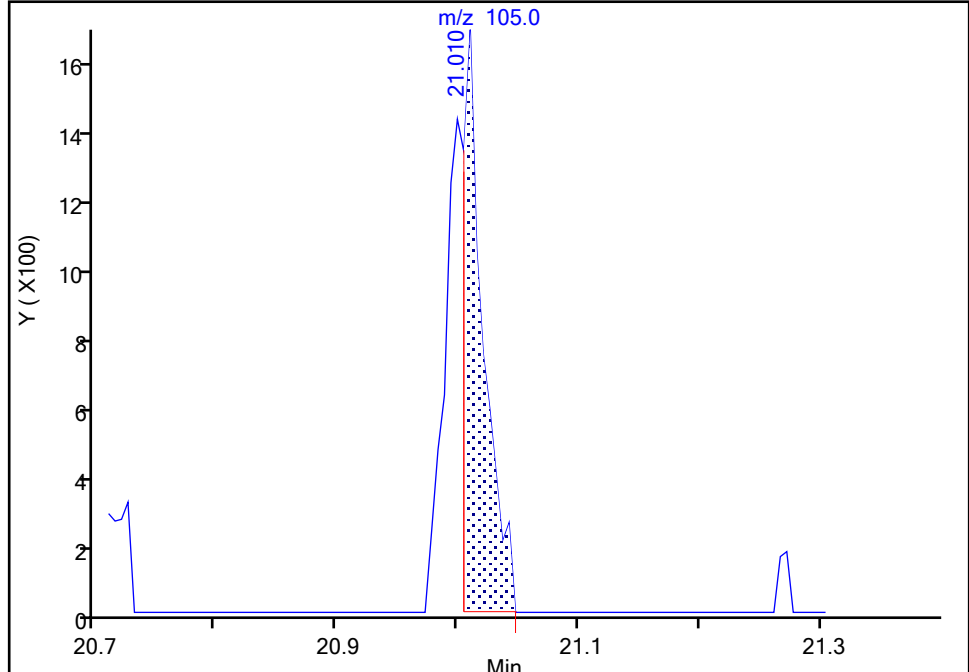
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-016.D
Injection Date: 20-Mar-2023 20:30:30 Instrument ID: CHG.i
Lims ID: 200-67137-A-13 Lab Sample ID: 200-67137-13
Client ID: VMP-4R
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

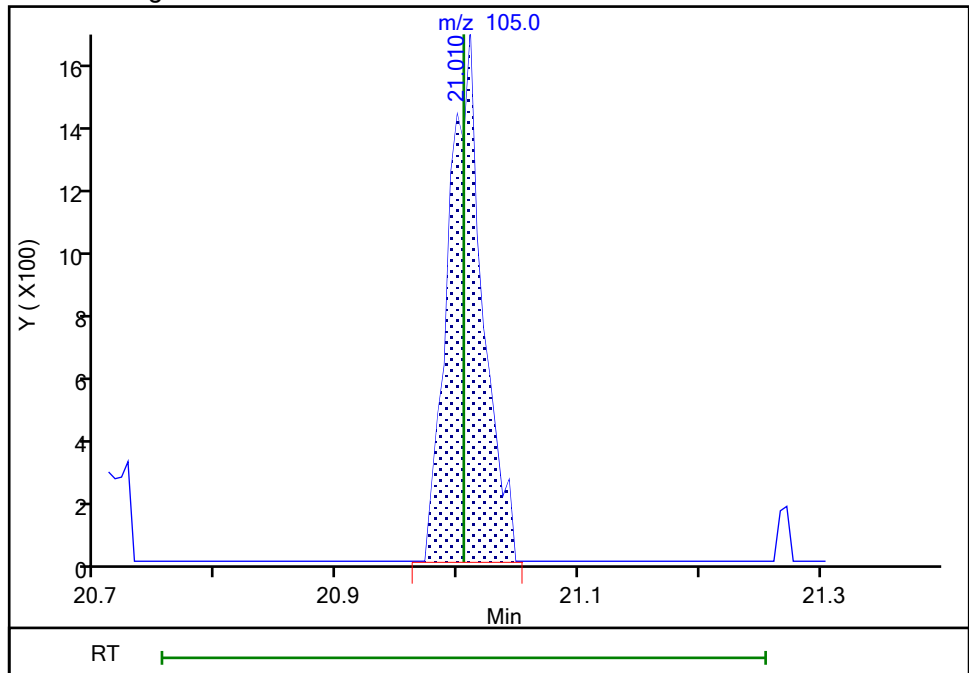
RT: 21.01
Area: 1960
Amount: 0.017161
Amount Units: ppb v/v

Processing Integration Results



RT: 21.01
Area: 3209
Amount: 0.028097
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2023 08:39:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-67137-1 Analy Batch No.: 189231
SDG No.: 200-67137
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-189231/3	200-54646-003.D
Level 2	IC 200-189231/4	200-54646-004.D
Level 3	IC 200-189231/5	200-54646-005.D
Level 4	IC 200-189231/6	200-54646-006.D
Level 5	ICIS 200-189231/7	200-54646-007.D
Level 6	IC 200-189231/8	200-54646-008.D
Level 7	IC 200-189231/11	200-54646-011.D
Level 8	IC 200-189231/12	200-54646-012.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	++++ 0.7837	++++ 0.8089	++++ 0.8249	0.8184	0.7952	Ave		0.806 2				2.1		30.0			
Dichlorodifluoromethane	++++ 2.8715	++++ 2.9732	3.8080 2.9334	3.0866	2.9158	Ave		3.098 1				11.5		30.0			
Freon 22	++++ 1.7073	++++ 1.7300	2.1196 1.7176	1.7443	1.7179	Ave		1.789 4				9.1		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.6583	3.2354 2.7143	3.4533 2.6238	2.8156	2.7119	Ave		2.887 5				11.2		30.0			
Chloromethane	++++ 0.9296	++++ 0.9615	1.1951 0.9855	0.9621	0.9396	Ave		0.995 6				10.0		30.0			
Vinyl chloride	1.1532 0.8526	0.9994 0.8876	1.1226 0.8893	0.9039	0.8644	Ave		0.959 1				12.4		30.0			
n-Butane	++++ 1.1357	++++ 1.1823	1.5571 1.2012	1.2164	1.1426	Ave		1.239 2				12.8		30.0			
1,3-Butadiene	0.9802 0.5793	0.7356 0.5987	0.7350 0.6083	0.5788	0.5785	Ave		0.674 3				20.9		30.0			
Bromomethane	++++ 0.7800	0.9435 0.8359	0.9839 0.8320	0.8213	0.7896	Ave		0.855 2				9.1		30.0			
Chloroethane	++++ 0.2771	++++ 0.3018	0.3757 0.3081	0.2949	0.2869	Ave		0.307 4				11.4		30.0			
Isopentane	++++ 0.6699	0.9311 0.7151	0.9359 0.7197	0.7121	0.6871	Ave		0.767 3				15.0		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.6642	0.8263 0.7254	0.8837 0.7256	0.7044	0.6810	Ave		0.744 4				10.8		30.0			
Trichlorofluoromethane	++++ 2.1196	2.5741 2.2494	2.7781 2.2290	2.2389	2.1620	Ave		2.335 9				10.5		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.: 200-67137-1 Analy Batch No.: 189231
SDG No.: 200-67137
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

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	++++ 1.4298	++++ 1.4532	1.8170 1.4697	1.4676	1.4266	Ave		1.510 7				10.0		30.0			
Ethanol	++++ 0.5850	++++ 0.6478	0.8234 0.6502	0.6790	0.6218	Ave		0.667 8				12.4		30.0			
Ethyl ether	++++ 0.4796	0.5284 0.5089	0.5308 0.5201	0.4755	0.4635	Ave		0.501 0				5.5		30.0			
Acrolein	++++ 0.2469	++++ 0.2730	++++ 0.2949	0.2318	0.2340	Ave		0.256 1				10.6		30.0			
1,1-Dichloroethene	1.4551 0.8903	1.2441 0.9303	1.2424 0.9336	0.9737	0.9057	Ave		1.071 9				19.8		30.0			
Freon TF	++++ 1.9903	2.4104 2.0538	2.6159 1.9946	2.0697	2.0364	Ave		2.167 3				11.3		30.0			
Acetone	++++ 1.2634	++++ 1.3474	++++ 1.3667	1.3955	1.2595	Ave		1.326 5				4.7		30.0			
Isopropyl alcohol	++++ 1.4859	++++ 1.5922	++++ 1.6887	1.7784	1.5358	Ave		1.616 2				7.3		30.0			
Carbon disulfide	++++ 2.8296	++++ 2.9277	3.5562 2.9076	2.9946	2.8163	Ave		3.005 3				9.2		30.0			
Acetonitrile	++++ 0.5631	++++ 0.5833	++++ 0.6195	0.5531	0.5363	Ave		0.571 1				5.6		30.0			
3-Chloropropene	++++ 1.1505	1.4026 1.1879	1.3338 1.2123	1.0695	1.1500	Ave		1.215 2				9.5		30.0			
Methylene Chloride	++++ 1.1995	++++ 1.2340	1.5802 1.2490	1.2298	1.2113	Ave		1.284 0				11.4		30.0			
tert-Butyl alcohol	++++ 1.6946	++++ 1.8012	++++ 1.9458	1.9721	1.7417	Ave		1.831 0				6.7		30.0			
Acrylonitrile	++++ 0.5284	++++ 0.5527	0.5564 0.5852	0.5077	0.5081	Ave		0.539 7				5.7		30.0			
trans-1,2-Dichloroethene	1.6546 1.4456	1.7683 1.4927	1.8166 1.4628	1.5032	1.4685	Ave		1.576 5				9.4		30.0			
Methyl tert-butyl ether	++++ 2.1259	2.7706 2.3120	2.6598 2.3805	2.2942	2.0942	Ave		2.376 7				10.7		30.0			
n-Hexane	++++ 1.2397	1.7449 1.2922	1.6695 1.3025	1.2744	1.2510	Ave		1.396 3				15.4		30.0			
1,1-Dichloroethane	1.9249 1.7238	1.9299 1.7870	2.1360 1.7033	1.6809	1.7566	Ave		1.830 3				8.5		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.: 200-67137-1 Analy Batch No.: 189231
SDG No.: 200-67137
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

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	++++ 2.1041	++++ 2.2023	++++ 2.2584	2.1153	2.0497	Ave		2.146 0				3.9		30.0			
Methyl Ethyl Ketone	++++ 0.3667	++++ 0.4086	0.6644 0.4206	0.4134	0.3683	Ave		0.440 3				25.5		30.0			
cis-1,2-Dichloroethene	1.0004 0.9810	1.1930 1.0367	1.2347 1.0250	0.9957	0.9927	Ave		1.057 4				9.3		30.0			
Ethyl acetate	++++ 0.0507	++++ 0.0567	++++ 0.0589	0.0560	0.0492	Ave		0.054 3				7.7		30.0			
Tetrahydrofuran	++++ 0.1707	++++ 0.2062	++++ 0.2388	0.2074	0.1762	Ave		0.199 9				13.8		30.0			
Chloroform	++++ 2.4697	2.9800 2.6044	3.0919 2.6166	2.4850	2.4941	Ave		2.677 4				9.5		30.0			
1,1,1-Trichloroethane	++++ 0.4421	0.5785 0.5185	0.6473 0.5676	0.5128	0.4553	Ave		0.531 7				13.6		30.0			
Cyclohexane	++++ 0.2274	0.3046 0.2657	0.3415 0.2884	0.2672	0.2351	Ave		0.275 7				14.4		30.0			
Carbon tetrachloride	0.3191 0.4666	0.4601 0.5482	0.5588 0.6146	0.5111	0.4704	Ave		0.493 6				18.0		30.0			
Benzene	++++ 0.6360	0.8343 0.6886	0.8262 0.7427	0.6319	0.6396	Ave		0.714 2				12.4		30.0			
1,2-Dichloroethane	++++ 0.3270	0.3638 0.3565	0.4110 0.3941	0.3226	0.3215	Ave		0.356 6				10.0		30.0			
2,2,4-Trimethylpentane	++++ 1.0124	1.2638 1.2049	1.4526 1.3033	1.1830	1.0407	Ave		1.208 7				12.6		30.0			
n-Heptane	++++ 0.4160	0.5260 0.4933	0.5718 0.5409	0.4732	0.4235	Ave		0.492 1				11.9		30.0			
n-Butanol	++++ 0.1562	++++ 0.1905	++++ 0.2208	0.2019	0.1650	Ave		0.186 9				14.2		30.0			
Trichloroethene	0.4193 0.3593	0.4690 0.4361	0.5584 0.4667	0.4206	0.3769	Ave		0.438 3				14.1		30.0			
1,2-Dichloropropane	++++ 0.2569	0.3171 0.2992	0.3379 0.3235	0.2756	0.2572	Ave		0.295 4				11.1		30.0			
Methyl methacrylate	++++ 0.2005	++++ 0.2460	0.2774 0.2805	0.2401	0.1978	Ave		0.240 4				14.9		30.0			
Dibromomethane	++++ 0.2752	0.3552 0.3226	0.3753 0.3357	0.2987	0.2817	Ave		0.320 6				11.7		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.: 200-67137-1 Analy Batch No.: 189231
SDG No.: 200-67137
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	++++ 0.1256	0.1538 0.1495	0.1742 0.1612	0.1709	0.1308	Ave		0.152 3				12.3		30.0			
Bromodichloromethane	++++ 0.5736	0.6264 0.6696	0.7270 0.7156	0.6016	0.5792	Ave		0.641 9				9.8		30.0			
cis-1,3-Dichloropropene	++++ 0.4401	0.4933 0.5094	0.5495 0.5672	0.4684	0.4311	Ave		0.494 1				10.5		30.0			
methyl isobutyl ketone	++++ 0.5209	++++ 0.6491	0.7214 0.7617	0.6584	0.5211	Ave		0.638 8				15.7		30.0			
Toluene	++++ 0.4901	0.6362 0.5394	0.6196 0.5686	0.4758	0.4762	Ave		0.543 7				12.3		30.0			
n-Octane	++++ 0.5748	0.6211 0.6736	0.6728 0.7234	0.5946	0.5840	Ave		0.634 9				8.8		30.0			
trans-1,3-Dichloropropene	++++ 0.3794	0.4417 0.4469	0.4503 0.5097	0.4080	0.3736	Ave		0.430 0				11.0		30.0			
1,1,2-Trichloroethane	++++ 0.2862	0.3407 0.3165	0.3549 0.3355	0.2777	0.2816	Ave		0.313 3				10.1		30.0			
Tetrachloroethene	0.4321 0.4321	0.5002 0.4833	0.5606 0.5029	0.4431	0.4310	Ave		0.473 2				9.9		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.5859	++++ 0.6670	0.7357 0.7638	0.6416	0.5679	Ave		0.660 3				11.9		30.0			
Dibromochloromethane	++++ 0.6458	0.5666 0.6948	0.6903 0.7319	0.6064	0.6148	Ave		0.650 1				9.0		30.0			
1,2-Dibromoethane	++++ 0.5086	0.5534 0.5661	0.6095 0.5999	0.5116	0.4971	Ave		0.549 5				8.2		30.0			
Chlorobenzene	++++ 0.6599	0.7551 0.7331	0.8048 0.7762	0.6669	0.6502	Ave		0.720 9				8.6		30.0			
Ethylbenzene	++++ 1.0400	1.4568 1.1520	1.3214 1.2427	1.0586	0.9902	Ave		1.180 2				14.3		30.0			
m,p-Xylene	++++ 0.3743	0.4208 0.4165	0.4301 0.4382	0.3837	0.3606	Ave		0.403 5				7.5		30.0			
n-Nonane	++++ 0.4878	0.5095 0.5380	0.5477 0.5778	0.4792	0.4780	Ave		0.516 9				7.5		30.0			
Xylene, o-	++++ 0.3676	0.5093 0.4096	0.4753 0.4397	0.3837	0.3531	Ave		0.419 8				13.8		30.0			
Styrene	++++ 0.5862	0.6800 0.6518	0.6328 0.6922	0.5989	0.5546	Ave		0.628 1				8.1		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.: 200-67137-1 Analy Batch No.: 189231
SDG No.: 200-67137
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

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	++++ 0.5812	0.3921 0.6450	0.5991 0.6933	0.5792	0.5432	Ave		0.576 1				16.5		30.0			
Cumene	++++ 1.0056	1.1742 1.1370	1.2054 1.2521	1.0670	0.9668	Ave		1.115 5				9.5		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.6509	0.8239 0.7269	0.8295 0.8036	0.7198	0.6295	Ave		0.740 6				11.0		30.0			
1,2,3-Trichloropropane	++++ 0.5347	++++ 0.6037	0.6472 0.6679	0.5783	0.5157	Ave		0.591 3				10.2		30.0			
n-Propylbenzene	++++ 1.2216	1.4547 1.3871	1.4789 1.5865	1.3122	1.1667	Ave		1.372 5				10.8		30.0			
2-Chlorotoluene	++++ 0.8205	0.9778 0.9136	0.9905 1.0099	0.8578	0.7882	Ave		0.908 3				9.7		30.0			
4-Ethyltoluene	++++ 0.9375	1.1102 1.0695	1.1314 1.2268	1.0183	0.9008	Ave		1.056 3				10.8		30.0			
1,3,5-Trimethylbenzene	++++ 0.7769	0.9473 0.8906	0.9369 1.0339	0.8458	0.7432	Ave		0.882 1				11.5		30.0			
n-Decane	++++ 0.4912	++++ 0.5361	0.4995 0.6626	0.4851	0.4571	Ave		0.521 9				14.1		30.0			
Alpha Methyl Styrene	++++ 0.4045	0.4355 0.4600	0.4492 0.5343	0.4257	0.3771	Ave		0.440 9				11.3		30.0			
tert-Butylbenzene	++++ 0.6832	0.8704 0.7822	0.8927 0.9056	0.7442	0.6494	Ave		0.789 7				13.0		30.0			
1,2,4-Trimethylbenzene	++++ 0.7757	1.0025 0.8768	0.9758 1.0190	0.8615	0.7429	Ave		0.893 5				12.3		30.0			
sec-Butylbenzene	++++ 1.0625	1.3458 1.2033	1.3587 1.4138	1.1495	1.0035	Ave		1.219 6				12.9		30.0			
1,3-Dichlorobenzene	++++ 0.5601	0.6753 0.6220	0.6961 0.7162	0.5983	0.5314	Ave		0.628 5				11.2		30.0			
4-Isopropyltoluene	++++ 0.8220	1.0270 0.9439	1.0449 1.1474	0.9001	0.7723	Ave		0.951 1				13.9		30.0			
1,4-Dichlorobenzene	++++ 0.5624	0.6840 0.6243	0.7100 0.7168	0.6091	0.5341	Ave		0.634 4				11.3		30.0			
Benzyl chloride	++++ 0.8193	0.7422 0.9205	0.9266 1.0602	0.9091	0.7775	Ave		0.879 4				12.3		30.0			
n-Butylbenzene	++++ 0.8201	1.0157 0.9235	1.0493 1.1126	0.9014	0.7663	Ave		0.941 3				13.3		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.: 200-67137-1 Analy Batch No.: 189231
SDG No.: 200-67137
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

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	+++++ 0.5314	0.6583 0.5774	0.6862 0.6412	0.5898	0.5085	Ave		0.599 0				11.0		30.0			
n-Undecane	+++++ 0.4314	+++++ 0.3994	+++++ 0.6652	0.3953	0.3735	Ave		0.453 0				26.6		30.0			
n-Dodecane	+++++ 0.3520	+++++ 0.1824	0.3763 0.6018	0.3726	0.3087	Ave		0.365 6				37.3	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.3984	+++++ 0.3896	0.4242 0.6121	0.4436	0.3640	Ave		0.438 6				20.4		30.0			
Hexachlorobutadiene	+++++ 0.3246	0.4551 0.3353	0.4429 0.4920	0.3429	0.2821	Ave		0.382 1				20.9		30.0			
Naphthalene	+++++ 0.9385	+++++ 0.7936	0.8989 1.3135	1.0589	0.8873	Ave		0.981 8				18.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.3241	+++++ 0.2903	0.3678 0.4814	0.3764	0.3051	Ave		0.357 5				19.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-67137-1 Analy Batch No.: 189231

SDG No.: 200-67137

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-189231/3	200-54646-003.D
Level 2	IC 200-189231/4	200-54646-004.D
Level 3	IC 200-189231/5	200-54646-005.D
Level 4	IC 200-189231/6	200-54646-006.D
Level 5	ICIS 200-189231/7	200-54646-007.D
Level 6	IC 200-189231/8	200-54646-008.D
Level 7	IC 200-189231/11	200-54646-011.D
Level 8	IC 200-189231/12	200-54646-012.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	++++ 312995	++++ 412069	++++ 791445	96694	208141	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1146812	++++ 1514548	++++ 2814240	364673	763217	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 681858	++++ 881244	25726 1647817	206084	449666	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1061646	++++ 1382680	15455 2517194	332648	709850	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 371280	++++ 489806	14506 945497	113670	245947	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	913 340507	4774 452133	13626 853165	106796	226266	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 453590	++++ 602240	18899 1152439	143718	299090	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	776 231378	3514 304954	8921 583578	68387	151414	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 311519	4507 425812	11942 798184	97037	206670	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 110676	++++ 153739	4560 295606	34839	75099	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 267552	4448 364254	11360 690501	84130	179852	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 265250	3947 369526	10726 696143	83224	178249	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 846533	12296 1145850	33719 2138490	264518	565907	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 571035	++++ 740268	22054 1409983	173393	373420	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 312164	++++ 660034	100065 1559386	160547	244240	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

Analy Batch No.: 189231

SDG No.: 200-67137

Instrument ID: CHG.i

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

Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2023 11:08

Calibration End Date: 03/10/2023 19:06

Calibration ID: 49955

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	++++ 191551	2524 259225	6442 498973	56175	121322	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 98603	++++ 139078	++++ 282917	27391	61250	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	1152 355561	5943 473902	15079 895705	115037	237069	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 794875	11514 1046195	31750 1913568	244521	533040	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 504574	++++ 686375	++++ 1311208	164867	329676	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 593441	++++ 811069	++++ 1620103	210106	401990	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1130083	++++ 1491360	43163 2789475	353798	737171	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 224901	++++ 297152	++++ 594387	65352	140385	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 459490	6700 605127	16189 1163109	126363	301022	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 479049	++++ 628592	19180 1198272	145294	317051	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 676773	++++ 917508	++++ 1866758	232990	455887	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 211042	++++ 281526	6753 561390	59983	133002	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	1310 577335	8447 760352	22049 1403431	177592	384381	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 849025	13235 1177740	32283 2283778	271050	548166	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 495113	8335 658263	20263 1249633	150567	327467	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1524 688426	9219 910305	25926 1634159	198594	459787	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 840347	++++ 1121869	++++ 2166710	249918	536512	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 146441	++++ 208147	8064 403500	48841	96400	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	792 391800	5699 528093	14986 983408	117643	259837	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 20247	++++ 28891	++++ 56489	6618	12869	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	++++	125216	262237	++++	++++	++++	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-67137-1 Analy Batch No.: 189231
SDG No.: 200-67137
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

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
			395462	547308	1111281			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 986357	14235 1326694	37528 2510305	293593	652837	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1024268	14758 1376445	39864 2640833	309613	677565	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 526866	7771 705479	21031 1342001	161340	349907	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	1437 1081020	11739 1455319	34413 2859810	308586	699944	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 1473422	21284 1828132	50883 3455719	381507	951793	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 757582	9281 946561	25312 1833539	194759	478410	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 2345585	32242 3198884	89465 6064201	714241	1548710	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 963899	13419 1309591	35217 2516878	285707	630264	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	++++ 361975	++++ 505625	++++ 1027215	121886	245540	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	1888 832533	11966 1157739	34394 2171526	253937	560940	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 595202	8090 794388	20809 1505294	166415	382733	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	++++ 464590	++++ 653122	17087 1304906	144933	294296	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	++++ 637517	9061 856370	23115 1561988	180316	419227	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	++++ 291064	3925 396897	10729 750173	103162	194575	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	++++ 1329052	15980 1777679	44772 3329772	363248	861944	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 1019615	12584 1352359	33842 2638857	282795	641586	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 1206767	++++ 1723319	44430 3543887	397512	775420	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNzd 5	Ave	++++ 977603	15343 1331207	35891 2559335	281075	631305	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	++++ 1331688	15846 1788206	41436 3365783	358968	869098	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++	11269	27735	246317	555983	++++	0.200	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-67137-1 Analy Batch No.: 189231

SDG No.: 200-67137

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

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
			878995	1186512	2371671			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	++++	8215	20559	164055	373330	++++	0.200	0.500	4.99	10.00
			570779	781095	1510251			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	1743	12061	32477	261747	571454	0.0351	0.200	0.500	4.99	10.00
			861868	1192851	2263941			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	++++	++++	42619	379030	752924	++++	++++	0.500	4.99	10.00
			1168627	1646213	3438352			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	++++	13664	39990	358202	815058	++++	0.200	0.500	4.99	10.00
			1288202	1714783	3294711			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	++++	13346	35308	302198	659036	++++	0.200	0.500	4.99	10.00
			1014454	1397220	2700465			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	++++	18209	46619	393958	862036	++++	0.200	0.500	4.99	10.00
			1316216	1809194	3494055			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	++++	35130	76549	625315	1312749	++++	0.200	0.500	4.99	10.00
			2074398	2843111	5593707			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	++++	20294	49829	453300	956216	++++	0.401	1.00	9.99	20.0
			1493345	2055987	3944897			30.0	40.0	80.0		
n-Nonane	CBNZd 5	Ave	++++	12286	31725	283081	633725	++++	0.200	0.500	4.99	10.00
			972900	1327818	2600952			15.0	20.0	40.0		
Xylene, o-	CBNZd 5	Ave	++++	12282	27536	226679	468125	++++	0.200	0.500	4.99	10.00
			733168	1010880	1979058			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	++++	16399	36656	353788	735276	++++	0.200	0.500	4.99	10.00
			1169307	1608676	3115723			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	++++	9455	34704	342119	720148	++++	0.200	0.500	4.99	10.00
			1159201	1591835	3120640			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	++++	28316	69829	630297	1281776	++++	0.200	0.500	4.99	10.00
			2005797	2806179	5636287			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++	19868	48054	425206	834508	++++	0.200	0.500	4.99	10.00
			1298253	1794076	3617266			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.: 200-67137-1 Analy Batch No.: 189231

SDG No.: 200-67137

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

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	+++++	+++++	37493	341604	683682	+++++	+++++	0.500	4.99	10.00
			1066524	1489963	3006472			15.0	20.0	40.0		
n-Propylbenzene	CBNZd 5	Ave	+++++	35079	85669	775107	1546785	+++++	0.200	0.500	4.99	10.00
			2436499	3423331	7141589			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	+++++	23579	57381	506710	1044939	+++++	0.200	0.500	4.99	10.00
			1636569	2254683	4546113			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	+++++	26772	65539	601506	1194211	+++++	0.200	0.500	4.99	10.00
			1870005	2639385	5522373			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	+++++	22843	54275	499610	985308	+++++	0.200	0.500	4.99	10.00
			1549544	2197907	4653856			15.0	20.0	40.0		
n-Decane	CBNZd 5	Ave	+++++	+++++	28935	286552	605928	+++++	+++++	0.500	4.99	10.00
			979645	1322994	2982431			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd 5	Ave	+++++	10501	26023	251451	499890	+++++	0.200	0.500	4.99	10.00
			806842	1135212	2404948			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	+++++	20990	51711	439584	860985	+++++	0.200	0.500	4.99	10.00
			1362744	1930339	4076526			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	+++++	24175	56527	508920	984891	+++++	0.200	0.500	4.99	10.00
			1547258	2163981	4586866			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	+++++	32453	78707	679052	1330402	+++++	0.200	0.500	4.99	10.00
			2119324	2969669	6364161			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd 5	Ave	+++++	16284	40326	353433	704460	+++++	0.200	0.500	4.99	10.00
			1117249	1535084	3223985			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	+++++	24765	60528	531706	1023914	+++++	0.200	0.500	4.99	10.00
			1639586	2329488	5164773			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	+++++	16495	41130	359816	708051	+++++	0.200	0.500	4.99	10.00
			1121794	1540795	3226748			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	+++++	17899	53677	537044	1030754	+++++	0.200	0.500	4.99	10.00
			1634201	2271839	4772568			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.: 200-67137-1 Analy Batch No.: 189231
SDG No.: 200-67137
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2023 11:08 Calibration End Date: 03/10/2023 19:06 Calibration ID: 49955

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	+++++ 1635837	24494 2279143	60786 5008071	532476	1015895	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++ 1059900	15875 1424963	39751 2886207	348424	674156	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZd 5	Ave	+++++ 860479	+++++ 985732	+++++ 2994292	233480	495155	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Dodecane	CBNZd 5	Ave	+++++ 702127	+++++ 450068	21801 2708908	220107	409239	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++ 794546	+++++ 961523	24571 2755190	262046	482607	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZd 5	Ave	+++++ 647516	10974 827556	25658 2214784	202561	373998	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZd 5	Ave	+++++ 1871963	+++++ 1958525	52074 5912634	625506	1176284	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++ 646389	+++++ 716396	21307 2167161	222346	404540	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-003.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 10-Mar-2023 11:08:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-003
 Misc. Info.: ic-1
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:14 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 11-Mar-2023 10:17:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.099	3.104	-0.005	86	2868	0.0351	0.1576	
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	97	3346	0.0351	0.0479	
3 Chlorodifluoromethane	51	3.185	3.185	0.000	95	2103	0.0351	0.0521	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.383	3.383	0.000	94	2833	0.0351	0.0435	
5 Chloromethane	50	3.468	3.463	0.005	91	1157	0.0351	0.0515	
6 Vinyl chloride	62	3.666	3.661	0.005	95	913	0.0351	0.0422	
7 Butane	43	3.666	3.666	0.000	88	1472	0.0351	0.0526	
8 Butadiene	54	3.741	3.736	0.005	10	776	0.0351	0.0510	
9 Bromomethane	94	4.239	4.233	0.006	97	877	0.0351	0.0454	
10 Chloroethane	64	4.437	4.426	0.011	1	210	0.0351	0.0303	
11 2-Methylbutane	43	4.597	4.586	0.011	48	1709	0.0351	0.0987	
12 Vinyl bromide	106	4.752	4.747	0.005	84	588	0.0351	0.0350	
13 Trichlorofluoromethane	101	4.870	4.875	-0.005	91	2171	0.0351	0.0412	
14 Pentane	43	5.052	5.041	0.011	89	1530	0.0351	0.0449	
15 Ethanol	45	5.228	5.159	0.069	94	3611	0.0702	0.2396	
16 Ethyl ether	59	5.442	5.383	0.059	15	171	0.0351	0.0151	
17 Acrolein	56		5.587				ND	ND	
18 1,1-Dichloroethene	96	5.785	5.769	0.016	89	1152	0.0351	0.0476	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.801	0.000	88	1908	0.0351	0.0390	
19 Acetone	43	5.908	5.833	0.075	97	6886	0.0351	0.2300	
22 Isopropyl alcohol	45	6.213	6.095	0.118	91	3014	0.0351	0.0826	
23 Carbon disulfide	76	6.154	6.154	0.000	95	2721	0.0351	0.0401	
24 Acetonitrile	41	6.004	6.287	-0.283	30	617	0.0351	0.0479	
25 3-Chloro-1-propene	41	6.293	6.400	-0.107	1	179	0.0351	0.006526	
26 Methylene Chloride	49	6.614	6.614	0.000	91	2031	0.0351	0.0701	
27 2-Methyl-2-propanol	59	6.988	6.822	0.166	84	1474	0.0351	0.0357	
28 Acrylonitrile	53	7.031	6.994	0.037	1	486	0.0351	0.0399	
29 trans-1,2-Dichloroethene	61	7.101	7.101	0.000	89	1310	0.0351	0.0368	
30 Methyl tert-butyl ether	73	7.224	7.122	0.102	84	2568	0.0351	0.0479	
31 Hexane	57	7.614	7.609	0.005	88	2156	0.0351	0.0684	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.855	7.850	0.005	93	1524	0.0351	0.0369	
33 Vinyl acetate	43	7.604	7.860	-0.256	75	787	0.0351	0.0162	
34 2-Butanone (MEK)	72	8.893	8.818	0.075	80	510	0.0351	0.0513	
35 cis-1,2-Dichloroethene	96	8.845	8.834	0.011	74	792	0.0351	0.0332	M
36 Ethyl acetate	88		8.909				ND	ND	
* 37 Chlorobromomethane	128	9.251	9.246	0.005	95	225707	10.0	10.0	
38 Tetrahydrofuran	42	9.417	9.321	0.096	62	2129	0.0351	0.0830	
39 Chloroform	83	9.433	9.433	0.000	93	2312	0.0351	0.0383	
S 43 1,2-Dichloroethene, Total	61				0		0.0702	0.0700	
40 1,1,1-Trichloroethane	97	9.754	9.759	-0.005	87	1396	0.0351	0.0205	
41 Cyclohexane	84	9.909	9.909	0.000	88	1392	0.0351	0.0393	
42 Carbon tetrachloride	117	10.038	10.054	-0.016	72	1437	0.0351	0.0227	
44 Benzene	78	10.423	10.423	0.000	96	5776	0.0351	0.0630	
45 1,2-Dichloroethane	62		10.498				ND	ND	
46 Isooctane	57		10.680				ND	ND	
47 n-Heptane	43	11.027	11.022	0.005	94	1943	0.0351	0.0308	
* 48 1,4-Difluorobenzene	114	11.236	11.236	0.000	96	1283742	10.0	10.0	
49 n-Butanol	56	11.632	11.546	0.086	92	3637	0.0351	0.1516	
50 Trichloroethene	95	11.723	11.723	0.000	80	1888	0.0351	0.0336	
51 1,2-Dichloropropane	63		12.226				ND	ND	
54 Methyl methacrylate	69		12.354				ND	ND	
53 Dibromomethane	174	12.397	12.391	0.006	71	1109	0.0351	0.0269	
55 1,4-Dioxane	88	12.536	12.397	0.139	13	185	0.0351	0.009463	
56 Dichlorobromomethane	83	12.750	12.745	0.005	93	1813	0.0351	0.0220	
58 cis-1,3-Dichloropropene	75	13.638	13.638	0.000	86	1687	0.0351	0.0266	
59 4-Methyl-2-pentanone (MIBK)	43	14.013	13.954	0.059	92	2976	0.0351	0.0363	
A 61 Toluene Range	92	14.339	(14.299-14.379)	0	9546	NC	NC		
60 Toluene	92	14.339	14.339	0.000	70	2700	0.0351	0.0432	
A 64 C8 Range	1	14.649	(14.594-14.694)	0	10396	NC	NC		
63 n-Octane	43	14.644	14.644	0.000	90	3130	0.0351	0.0384	
65 trans-1,3-Dichloropropene	75	14.794	14.788	0.006	90	1389	0.0351	0.0252	
66 1,1,2-Trichloroethane	83	15.189	15.189	0.000	82	1360	0.0351	0.0378	
67 Tetrachloroethene	166	15.409	15.409	0.000	90	1743	0.0351	0.0320	
68 2-Hexanone	43	15.719	15.665	0.054	83	1302	0.0351	0.0171	
69 Chlorodibromomethane	129	15.981	15.970	0.011	74	1008	0.0351	0.0135	
70 Ethylene Dibromide	107	16.227	16.222	0.005	96	1197	0.0351	0.0189	
* 71 Chlorobenzene-d5	117	17.201	17.201	0.000	89	1149910	10.0	10.0	
72 Chlorobenzene	112	17.254	17.260	-0.006	94	2692	0.0351	0.0325	
73 Ethylbenzene	91	17.479	17.479	0.000	99	12046	0.0351	0.0888	
74 m-Xylene & p-Xylene	106	17.752	17.763	-0.011	0	1516	0.0702	0.0327	
75 n-Nonane	57	17.859	17.854	0.005	85	2346	0.0351	0.0395	
76 o-Xylene	106	18.581	18.570	0.011	79	1666	0.0351	0.0345	
77 Styrene	104	18.597	18.608	-0.011	56	1418	0.0351	0.0196	
78 Bromoform	173	18.972	18.966	0.006	87	680	0.0351	0.0103	
79 Isopropylbenzene	105	19.341	19.335	0.006	95	4555	0.0351	0.0355	
S 82 Xylenes, Total	106				0		0.1052	0.0672	
80 1,1,2,2-Tetrachloroethane	83	19.881	19.881	0.000	95	3424	0.0351	0.0402	
81 1,2,3-Trichloropropane	75	19.656	19.983	-0.327	62	430153	0.0351	6.33	
83 N-Propylbenzene	91	20.106	20.106	0.000	97	5766	0.0351	0.0365	
84 2-Chlorotoluene	91	20.245	20.250	-0.005	94	3861	0.0351	0.0370	
85 4-Ethyltoluene	105	20.314	20.314	0.000	98	4374	0.0351	0.0360	
86 1,3,5-Trimethylbenzene	105	20.416	20.416	0.000	91	3686	0.0351	0.0363	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.475	20.470	0.005	86	1230	0.0351	0.0205	
88 Alpha Methyl Styrene	118	20.759	20.758	0.001	28	1390	0.0351	0.0274	
89 tert-Butylbenzene	119	20.919	20.919	0.000	90	4586	0.0351	0.0505	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	89	5051	0.0351	0.0492	
91 sec-Butylbenzene	105		21.261				ND	ND	
92 1,3-Dichlorobenzene	146	21.433	21.427	0.006	93	2730	0.0351	0.0378	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	96	4227	0.0351	0.0387	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	90	2791	0.0351	0.0383	
95 Benzyl chloride	91	21.732	21.727	0.005	92	2695	0.0351	0.0267	
97 n-Butylbenzene	91	22.058	22.053	0.005	95	3795	0.0351	0.0351	
96 1,2-Dichlorobenzene	146	22.075	22.074	0.001	91	2723	0.0351	0.0395	
98 Undecane	57	22.230	22.224	0.006	88	1569	0.0351	0.0301	
99 Dodecane	57	23.819	23.818	0.001	4	1173	0.0351	0.0279	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	67	1098	0.0351	0.0218	
101 Hexachlorobutadiene	225	24.792	24.781	0.011	84	1312	0.0351	0.0299	
102 Naphthalene	128	25.001	25.001	0.000	90	1800	0.0351	0.0159	
103 1,2,3-Trichlorobenzene	180	25.429	25.413	0.016	51	918	0.0351	0.0223	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00252

Amount Added: 35.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-003.D

Injection Date: 10-Mar-2023 11:08:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

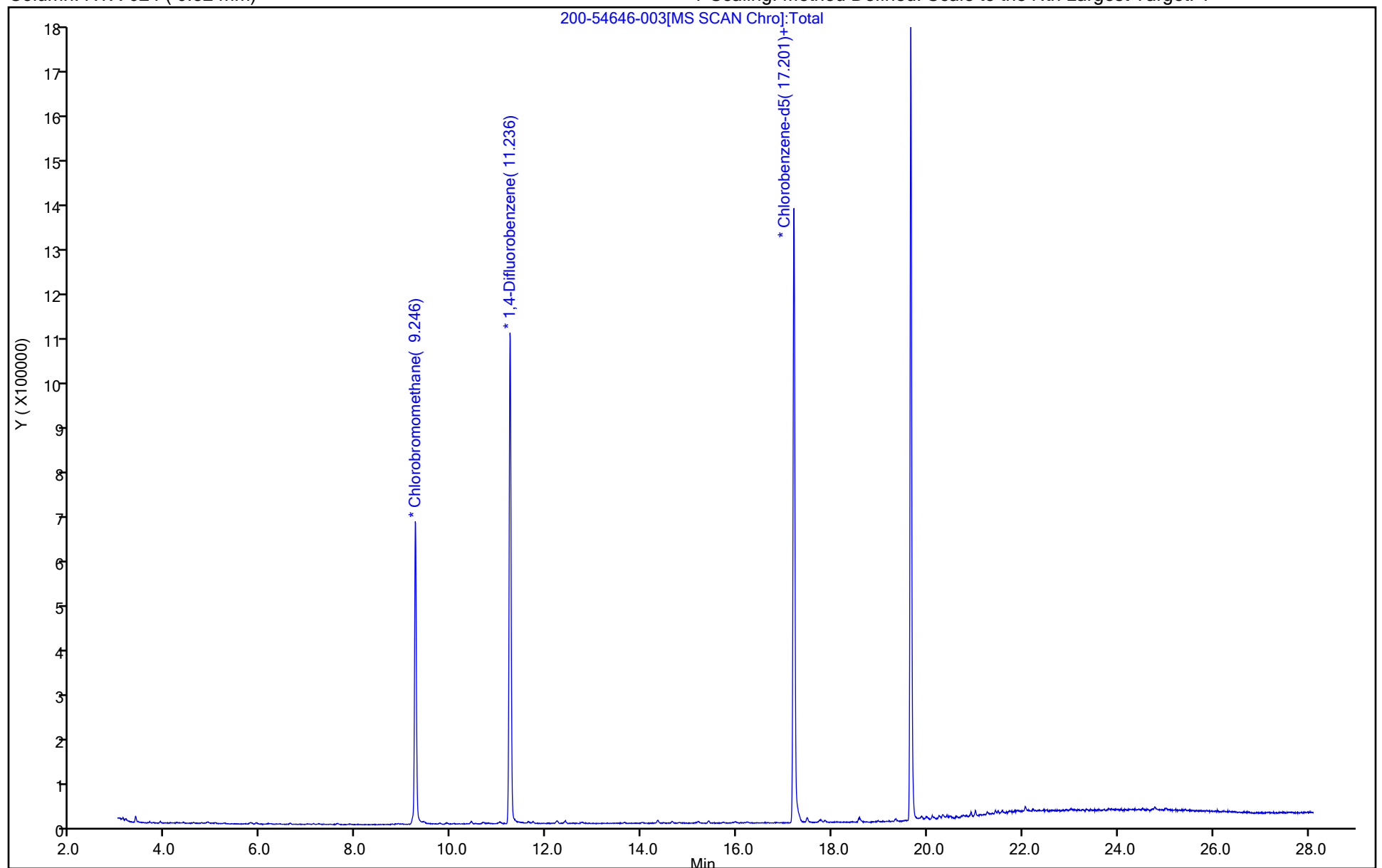
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins Burlington

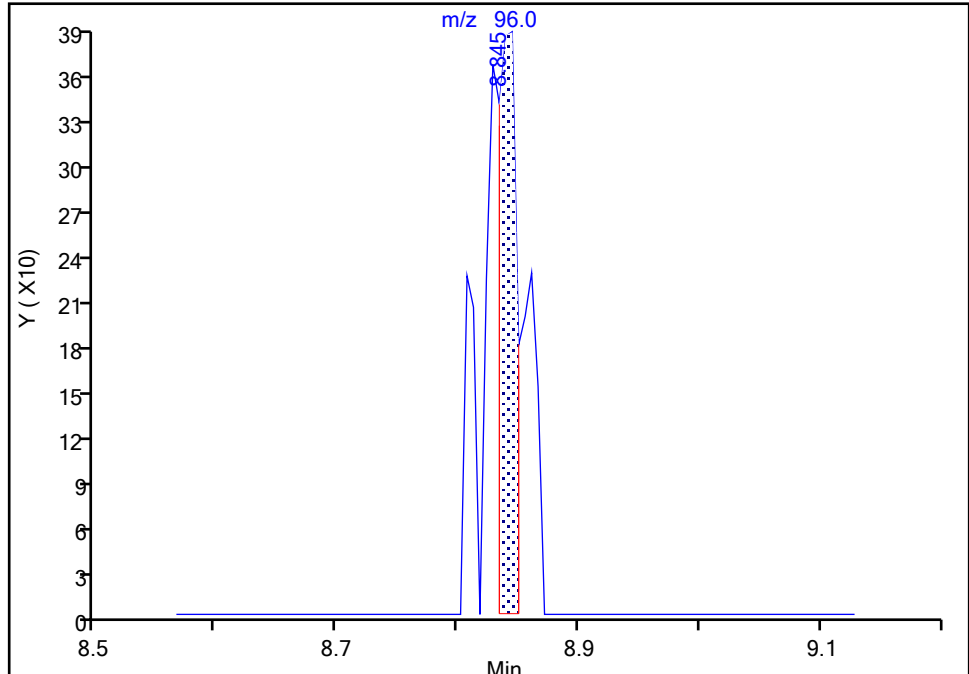
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-003.D
Injection Date: 10-Mar-2023 11:08:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

35 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

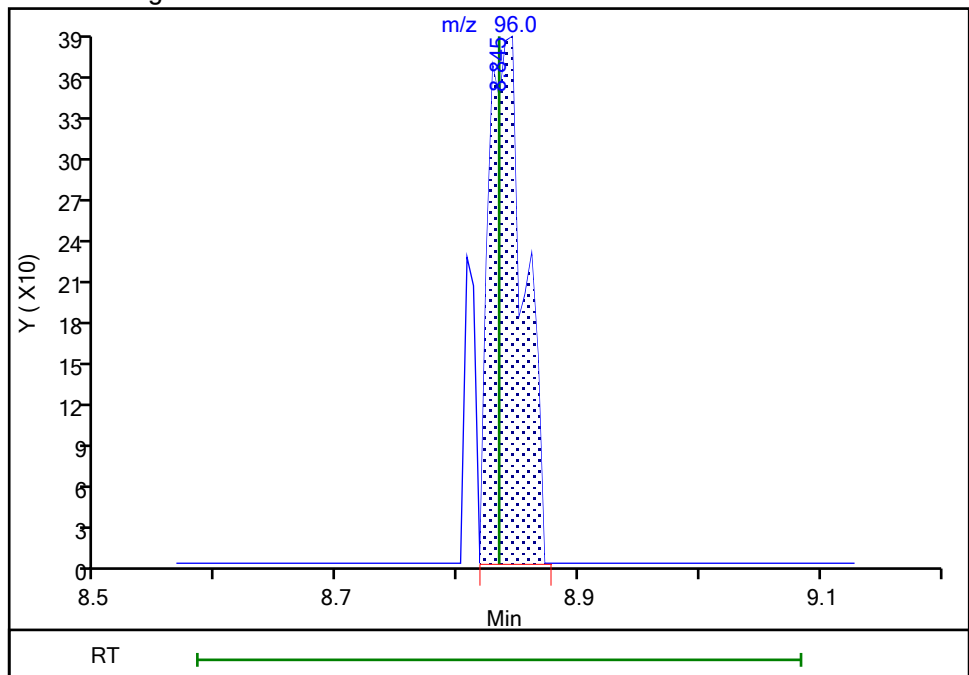
RT: 8.84
Area: 416
Amount: 0.021450
Amount Units: ppb v/v

Processing Integration Results



RT: 8.84
Area: 792
Amount: 0.033185
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:46:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-004.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 10-Mar-2023 12:00:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-004
 Misc. Info.: ic-2
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:15 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 10-Mar-2023 14:50:31

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	3.105	3.104	0.001	92	5898	0.2004	0.3070	
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	99	16952	0.2004	0.2296	
3 Chlorodifluoromethane	51	3.185	3.185	0.000	97	9463	0.2004	0.2219	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.383	3.383	0.000	95	15455	0.2004	0.2246	
5 Chloromethane	50	3.468	3.463	0.005	97	5631	0.2004	0.2373	
6 Vinyl chloride	62	3.666	3.661	0.005	80	4774	0.2004	0.2089	
7 Butane	43	3.666	3.666	0.000	96	7287	0.2004	0.2467	
8 Butadiene	54	3.741	3.736	0.005	96	3514	0.2004	0.2187	
9 Bromomethane	94	4.239	4.233	0.006	95	4507	0.2004	0.2211	
10 Chloroethane	64	4.426	4.426	0.000	87	1766	0.2004	0.2410	
11 2-Methylbutane	43	4.586	4.586	0.000	87	4448	0.2004	0.2432	
12 Vinyl bromide	106	4.752	4.747	0.005	96	3947	0.2004	0.2225	
13 Trichlorofluoromethane	101	4.875	4.875	0.000	97	12296	0.2004	0.2209	
14 Pentane	43	5.036	5.041	-0.005	98	8594	0.2004	0.2387	
15 Ethanol	45	5.212	5.159	0.053	95	16111	0.4009	1.01	
16 Ethyl ether	59	5.432	5.383	0.049	87	2524	0.2004	0.2114	
17 Acrolein	56	5.624	5.587	0.037	84	1729	0.2004	0.2833	
18 1,1-Dichloroethene	96	5.774	5.769	0.005	95	5943	0.2004	0.2326	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.796	5.801	-0.005	91	11514	0.2004	0.2229	
19 Acetone	43	5.886	5.833	0.053	99	21531	0.2004	0.6811	
22 Isopropyl alcohol	45	6.186	6.095	0.091	99	11230	0.2004	0.2916	
23 Carbon disulfide	76	6.154	6.154	0.000	100	15656	0.2004	0.2186	
24 Acetonitrile	41	6.314	6.287	0.027	99	3206	0.2004	0.2356	Ma
25 3-Chloro-1-propene	41	6.405	6.400	0.005	97	6700	0.2004	0.2313	Ma
26 Methylene Chloride	49	6.614	6.614	0.000	97	8038	0.2004	0.2627	
27 2-Methyl-2-propanol	59	6.946	6.822	0.124	94	9866	0.2004	0.2261	
28 Acrylonitrile	53	7.026	6.994	0.032	55	2740	0.2004	0.2130	
29 trans-1,2-Dichloroethene	61	7.112	7.101	0.011	95	8447	0.2004	0.2248	
30 Methyl tert-butyl ether	73	7.186	7.122	0.064	96	13235	0.2004	0.2337	
31 Hexane	57	7.609	7.609	0.000	90	8335	0.2004	0.2505	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.850	7.850	0.000	99	9219	0.2004	0.2113	Ma
33 Vinyl acetate	43	7.882	7.860	0.022	99	11947	0.2004	0.2336	
34 2-Butanone (MEK)	72	8.866	8.818	0.048	99	4552	0.2004	0.4338	
35 cis-1,2-Dichloroethene	96	8.829	8.834	-0.005	97	5699	0.2004	0.2261	
36 Ethyl acetate	88		8.909				ND	ND	
* 37 Chlorobromomethane	128	9.251	9.246	0.005	95	238321	10.0	10.0	
38 Tetrahydrofuran	42	9.396	9.321	0.075	91	8192	0.2004	0.3220	
39 Chloroform	83	9.433	9.433	0.000	96	14235	0.2004	0.2231	
S 43 1,2-Dichloroethene, Total	61				0		0.4009	0.4510	
40 1,1,1-Trichloroethane	97	9.760	9.759	0.001	97	14758	0.2004	0.2181	
41 Cyclohexane	84	9.909	9.909	0.000	94	7771	0.2004	0.2214	
42 Carbon tetrachloride	117	10.054	10.054	0.000	97	11739	0.2004	0.1868	
44 Benzene	78	10.428	10.423	0.005	97	21284	0.2004	0.2341	
45 1,2-Dichloroethane	62	10.503	10.498	0.005	95	9281	0.2004	0.2045	
46 Isooctane	57	10.680	10.680	0.000	98	32242	0.2004	0.2096	
47 n-Heptane	43	11.017	11.022	-0.005	96	13419	0.2004	0.2142	
* 48 1,4-Difluorobenzene	114	11.236	11.236	0.000	95	1272814	10.0	10.0	
49 n-Butanol	56	11.611	11.546	0.065	95	14298	0.2004	0.6011	
50 Trichloroethene	95	11.723	11.723	0.000	93	11966	0.2004	0.2145	
51 1,2-Dichloropropane	63	12.231	12.226	0.005	72	8090	0.2004	0.2152	
54 Methyl methacrylate	69	12.381	12.354	0.027	91	7503	0.2004	0.2452	
53 Dibromomethane	174	12.402	12.391	0.011	88	9061	0.2004	0.2220	
55 1,4-Dioxane	88	12.504	12.397	0.107	94	3925	0.2004	0.2025	
56 Dichlorobromomethane	83	12.745	12.745	0.000	98	15980	0.2004	0.1956	
58 cis-1,3-Dichloropropene	75	13.638	13.638	0.000	97	12584	0.2004	0.2001	
59 4-Methyl-2-pentanone (MIBK)	43	13.997	13.954	0.043	98	17690	0.2004	0.2176	
A 61 Toluene Range	92	14.339	(14.299-14.379)		0	65807	NC	NC	
60 Toluene	92	14.344	14.339	0.005	93	15343	0.2004	0.2346	
A 64 C8 Range	1	14.649	(14.594-14.694)		0	57892	NC	NC	
63 n-Octane	43	14.644	14.644	0.000	96	15846	0.2004	0.1961	
65 trans-1,3-Dichloropropene	75	14.788	14.788	0.000	98	11269	0.2004	0.2059	
66 1,1,2-Trichloroethane	83	15.184	15.189	-0.005	97	8215	0.2004	0.2179	
67 Tetrachloroethene	166	15.409	15.409	0.000	92	12061	0.2004	0.2119	
68 2-Hexanone	43	15.703	15.665	0.038	92	16349	0.2004	0.2058	
69 Chlorodibromomethane	129	15.971	15.970	0.001	96	13664	0.2004	0.1747	
70 Ethylene Dibromide	107	16.227	16.222	0.005	98	13346	0.2004	0.2019	
* 71 Chlorobenzene-d5	117	17.201	17.201	0.000	93	1203093	10.0	10.0	
72 Chlorobenzene	112	17.265	17.260	0.005	95	18209	0.2004	0.2100	
73 Ethylbenzene	91	17.479	17.479	0.000	99	35130	0.2004	0.2474	
74 m-Xylene & p-Xylene	106	17.757	17.763	-0.006	0	20294	0.4009	0.4181	M
75 n-Nonane	57	17.854	17.854	0.000	92	12286	0.2004	0.1976	
76 o-Xylene	106	18.571	18.570	0.001	96	12282	0.2004	0.2432	
77 Styrene	104	18.608	18.608	0.000	99	16399	0.2004	0.2170	
78 Bromoform	173	18.972	18.966	0.006	92	9455	0.2004	0.1364	
79 Isopropylbenzene	105	19.336	19.335	0.001	98	28316	0.2004	0.2110	
S 82 Xylenes, Total	106				0		0.6013	0.6613	
80 1,1,2,2-Tetrachloroethane	83	19.881	19.881	0.000	99	19868	0.2004	0.2230	
81 1,2,3-Trichloropropane	75	19.983	19.983	0.000	98	16167	0.2004	0.2273	Ma
83 N-Propylbenzene	91	20.101	20.106	-0.005	98	35079	0.2004	0.2124	
84 2-Chlorotoluene	91	20.250	20.250	0.000	97	23579	0.2004	0.2158	
85 4-Ethyltoluene	105	20.315	20.314	0.001	99	26772	0.2004	0.2107	
86 1,3,5-Trimethylbenzene	105	20.416	20.416	0.000	92	22843	0.2004	0.2153	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.475	20.470	0.005	91	10794	0.2004	0.1719	
88 Alpha Methyl Styrene	118	20.759	20.758	0.001	85	10501	0.2004	0.1980	
89 tert-Butylbenzene	119	20.924	20.919	0.005	89	20990	0.2004	0.2209	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	98	24175	0.2004	0.2249	
91 sec-Butylbenzene	105	21.262	21.261	0.001	98	32453	0.2004	0.2212	Ma
92 1,3-Dichlorobenzene	146	21.427	21.427	0.000	98	16284	0.2004	0.2154	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	96	24765	0.2004	0.2164	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	92	16495	0.2004	0.2161	
95 Benzyl chloride	91	21.727	21.727	0.000	97	17899	0.2004	0.1692	
97 n-Butylbenzene	91	22.059	22.053	0.006	97	24494	0.2004	0.2163	
96 1,2-Dichlorobenzene	146	22.069	22.074	-0.005	93	15875	0.2004	0.2203	
98 Undecane	57	22.230	22.224	0.006	94	9154	0.2004	0.1680	
99 Dodecane	57	23.824	23.818	0.006	92	8501	0.2004	0.1933	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	93	10681	0.2004	0.2024	
101 Hexachlorobutadiene	225	24.782	24.781	0.001	95	10974	0.2004	0.2387	
102 Naphthalene	128	25.001	25.001	0.000	98	21325	0.2004	0.1805	
103 1,2,3-Trichlorobenzene	180	25.413	25.413	0.000	92	8219	0.2004	0.1911	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ATTO15CAL1w_00252

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 11-Mar-2023 11:11:15

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-004.D

Injection Date: 10-Mar-2023 12:00:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

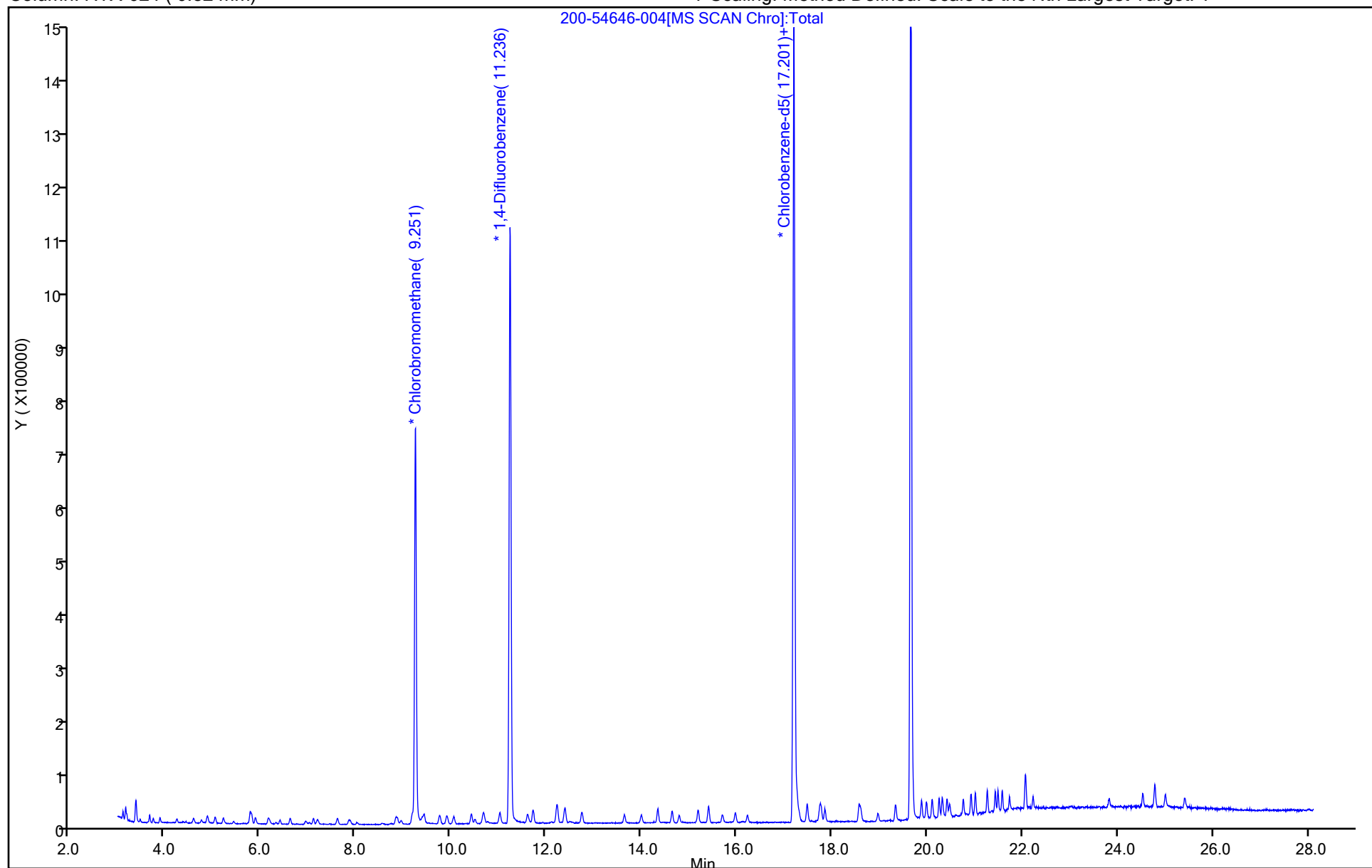
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230310-54646.b\200-54646-004.D

Injection Date: 10-Mar-2023 12:00:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

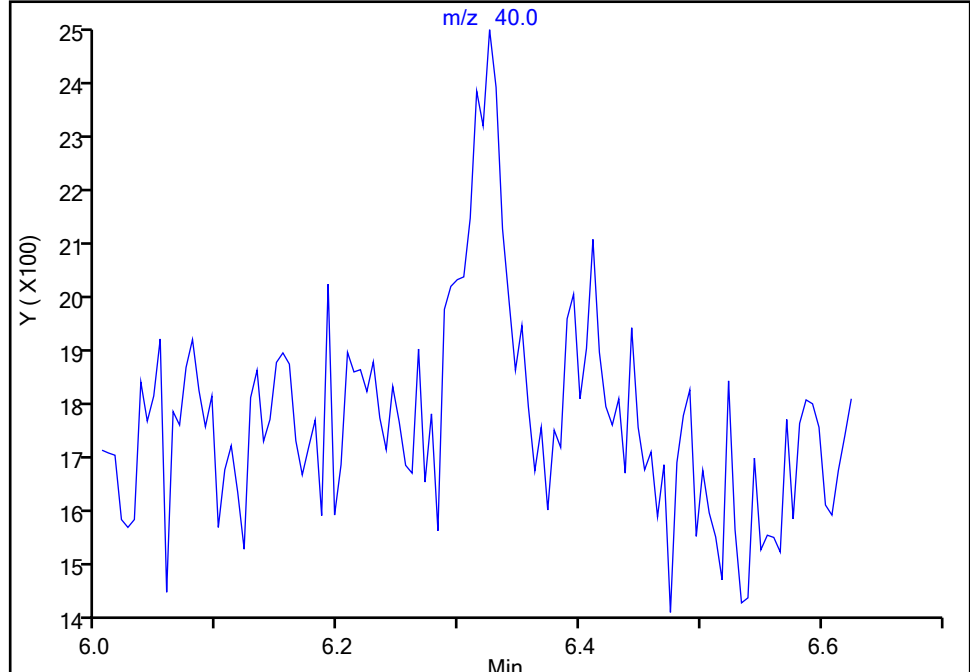
Detector: MS SCAN

24 Acetonitrile, CAS: 75-05-8

Signal: 2

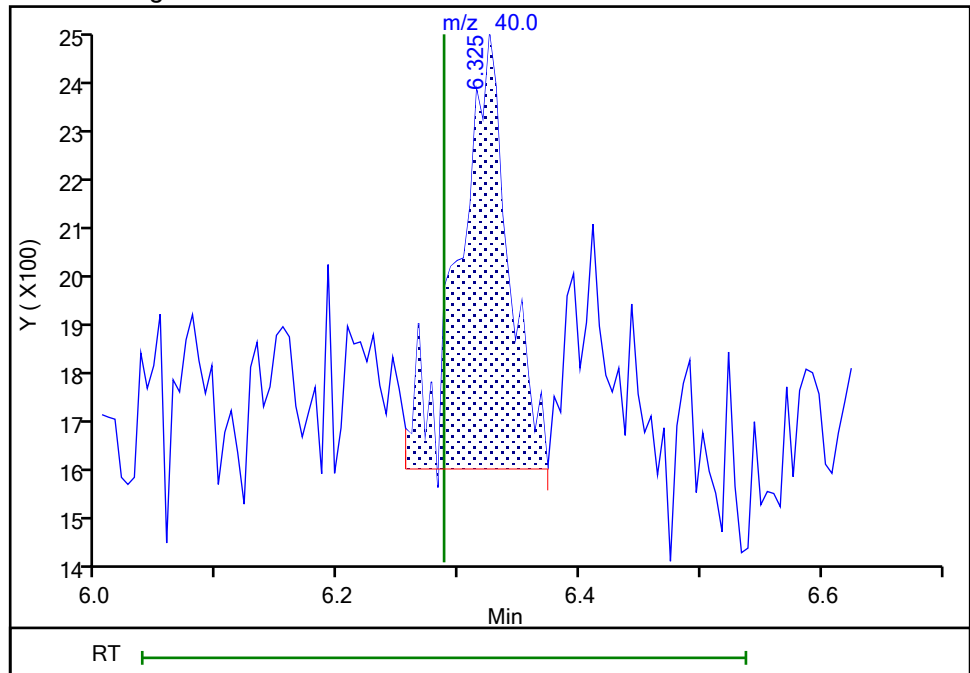
RT: 6.11
Area: 0
Amount: 0.105637
Amount Units: ppb v/v

Processing Integration Results



RT: 6.33
Area: 2453
Amount: 0.235554
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:48:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-004.D

Injection Date: 10-Mar-2023 12:00:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

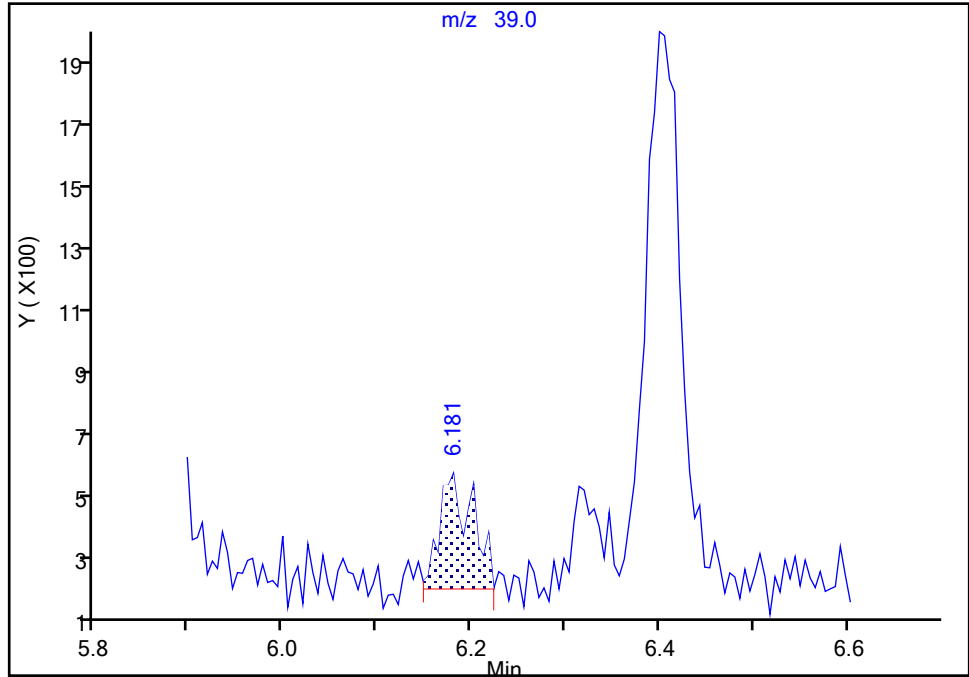
MS SCAN

24 Acetonitrile, CAS: 75-05-8

Signal: 3

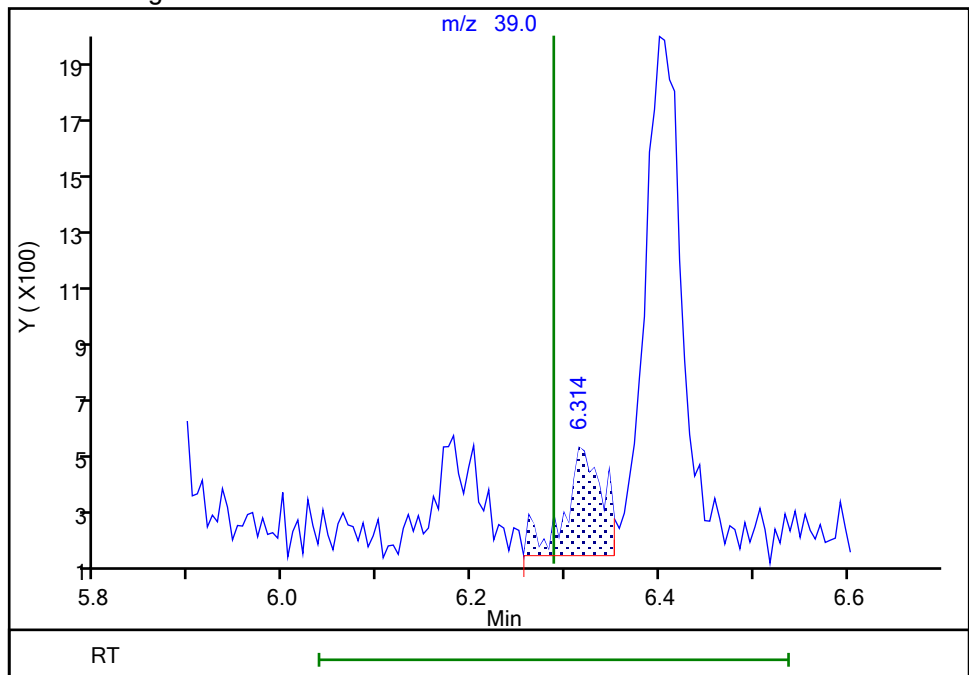
RT: 6.18
Area: 868
Amount: 0.105637
Amount Units: ppb v/v

Processing Integration Results



RT: 6.31
Area: 1045
Amount: 0.235554
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:48:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

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Injection Date: 10-Mar-2023 12:00:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

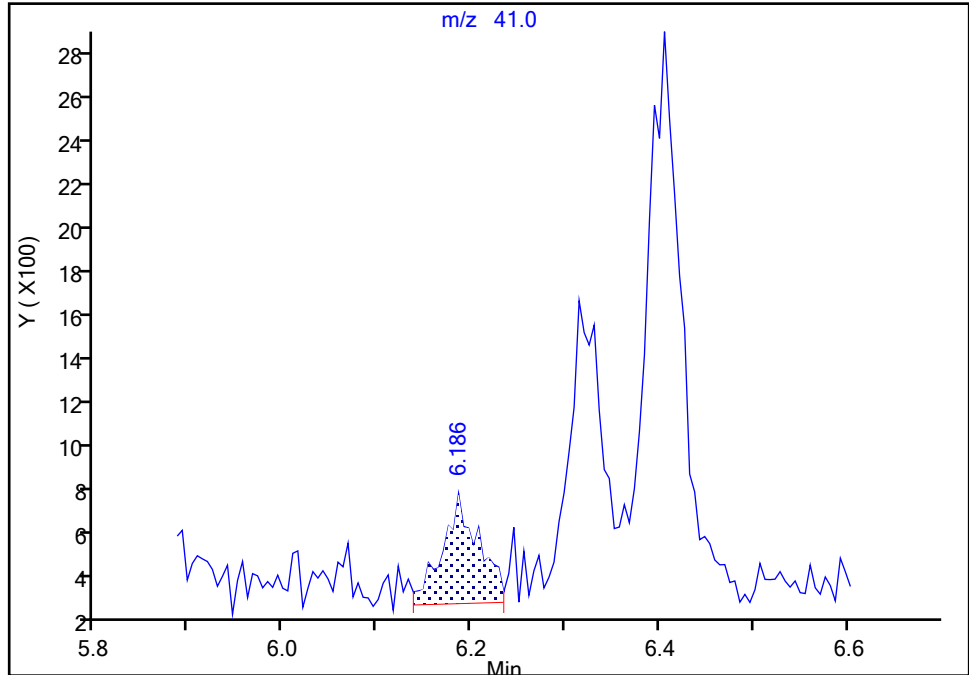
MS SCAN

24 Acetonitrile, CAS: 75-05-8

Signal: 1

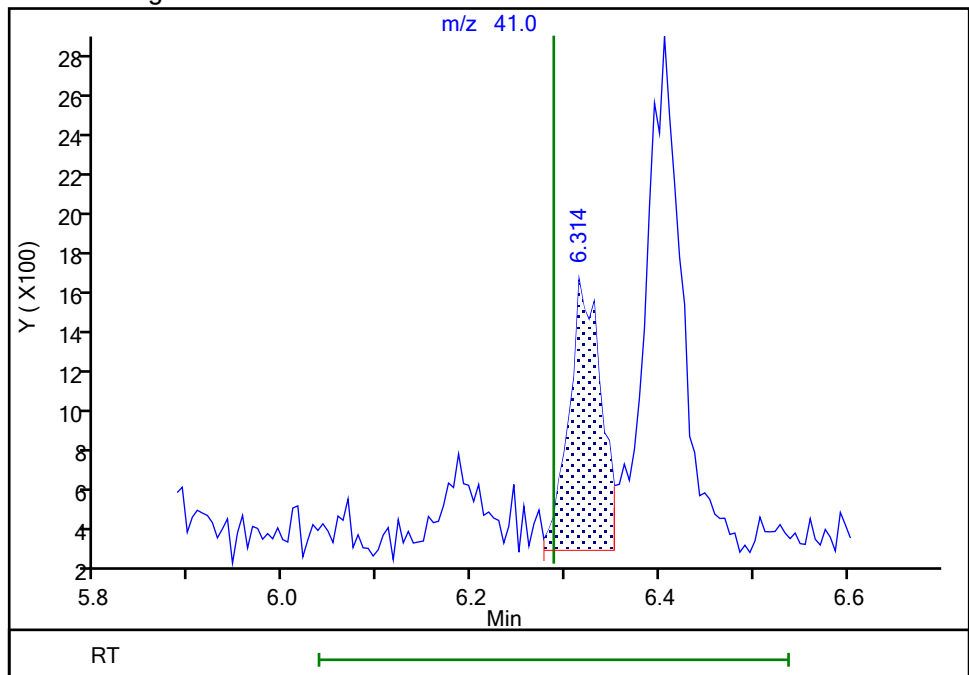
RT: 6.19
Area: 1332
Amount: 0.105637
Amount Units: ppb v/v

Processing Integration Results



RT: 6.31
Area: 3206
Amount: 0.235554
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:56:07

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

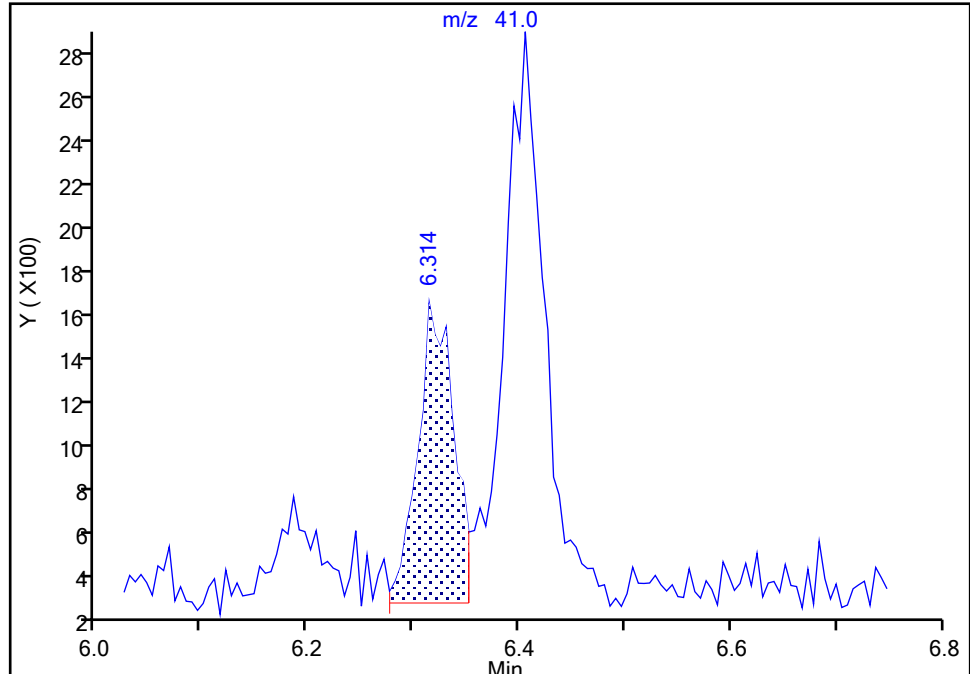
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Injection Date: 10-Mar-2023 12:00:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

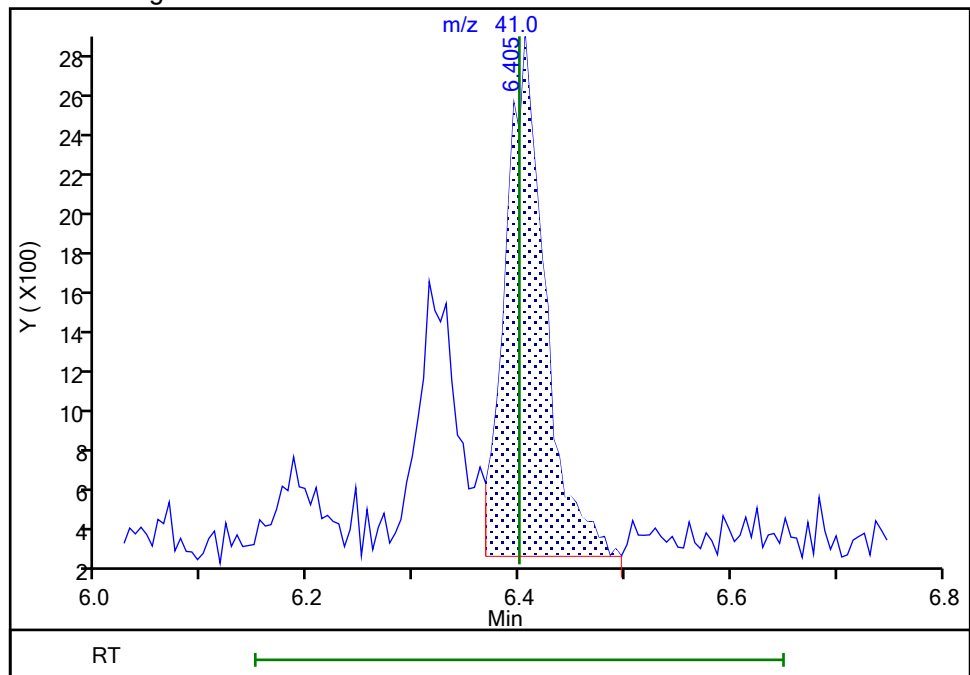
RT: 6.31
Area: 3191
Amount: 0.180297
Amount Units: ppb v/v

Processing Integration Results



RT: 6.41
Area: 6700
Amount: 0.231338
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:56:13
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration
Page 653 of 919

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PM

Eurofins Burlington

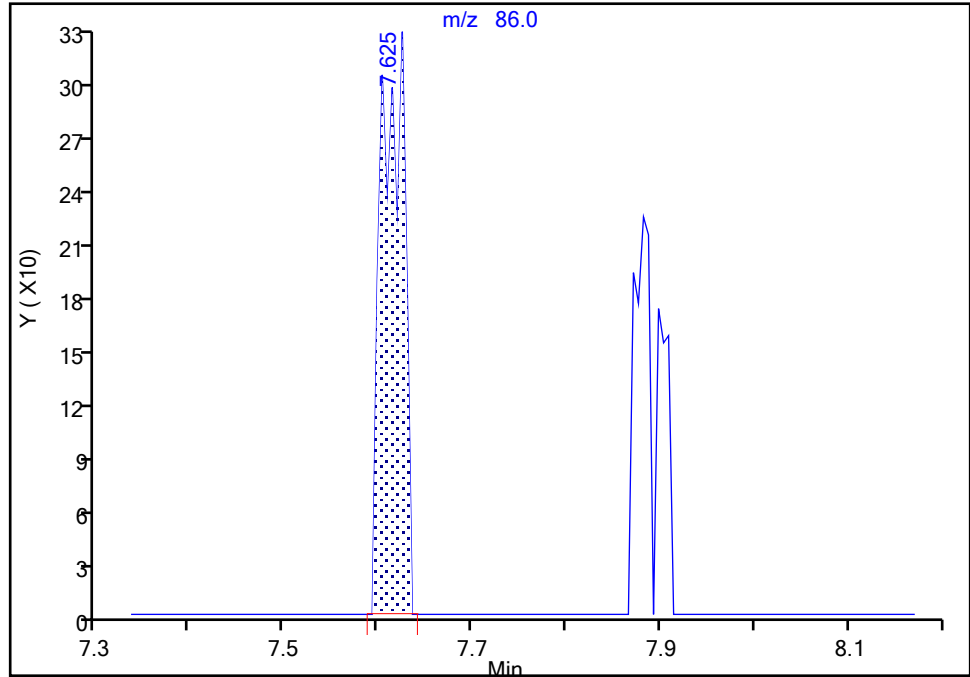
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Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

33 Vinyl acetate, CAS: 108-05-4

Signal: 2

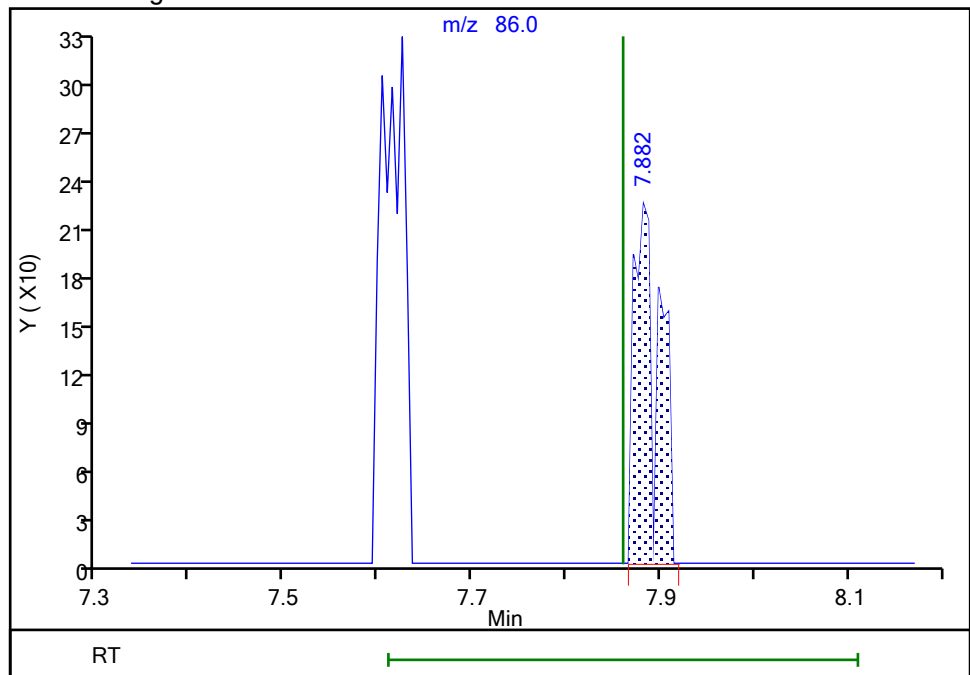
RT: 7.63
Area: 554
Amount: 0.199985
Amount Units: ppb v/v

Processing Integration Results



RT: 7.88
Area: 408
Amount: 0.233598
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:48:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-004.D

Injection Date: 10-Mar-2023 12:00:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

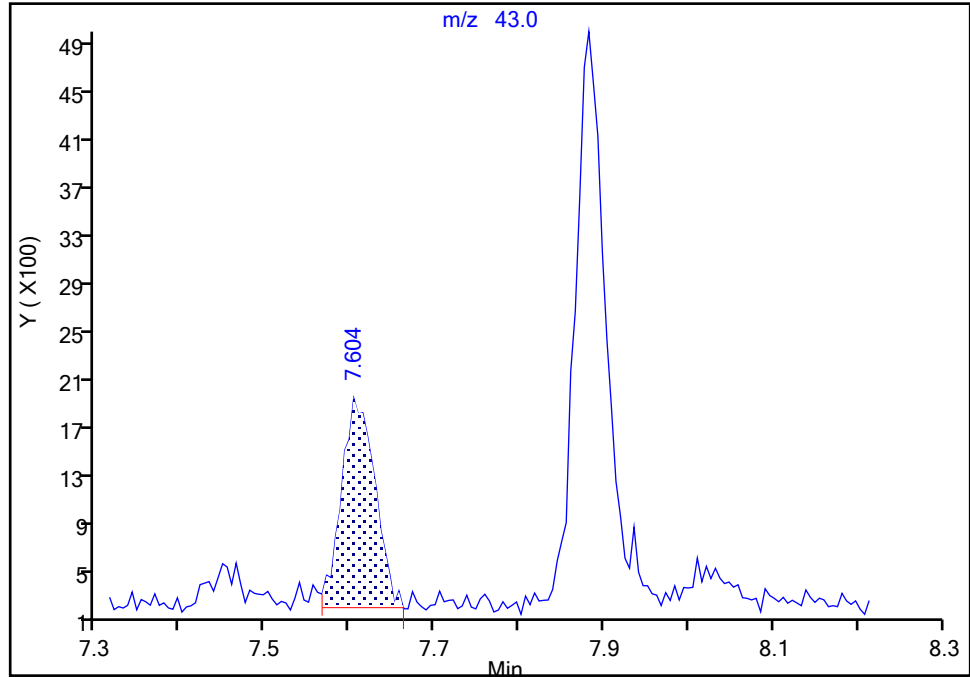
MS SCAN

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

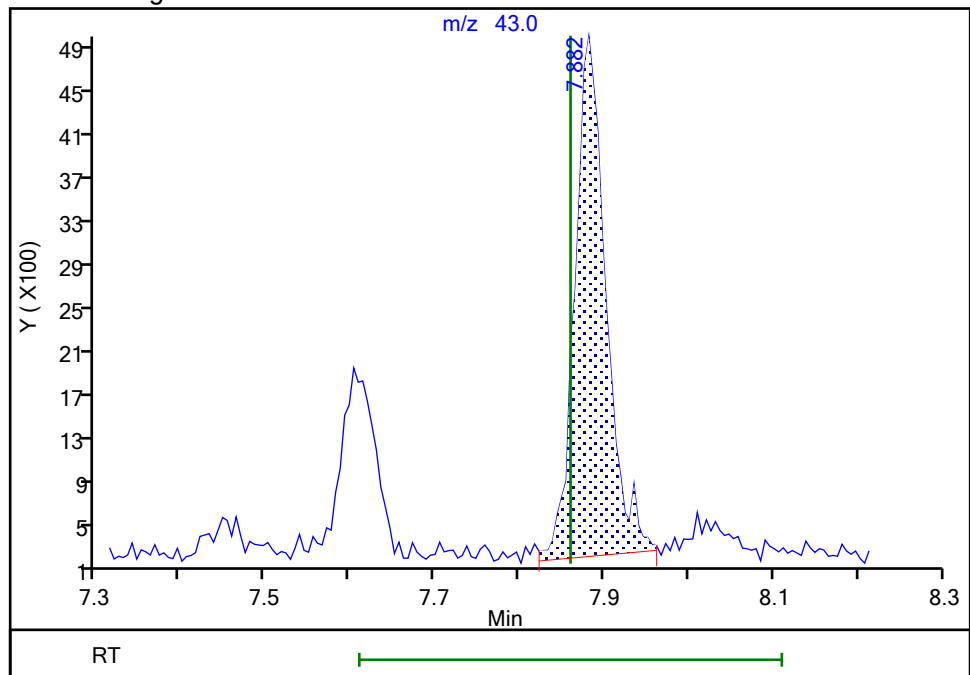
RT: 7.60
Area: 4727
Amount: 0.199985
Amount Units: ppb v/v

Processing Integration Results



RT: 7.88
Area: 11947
Amount: 0.233598
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:56:31

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

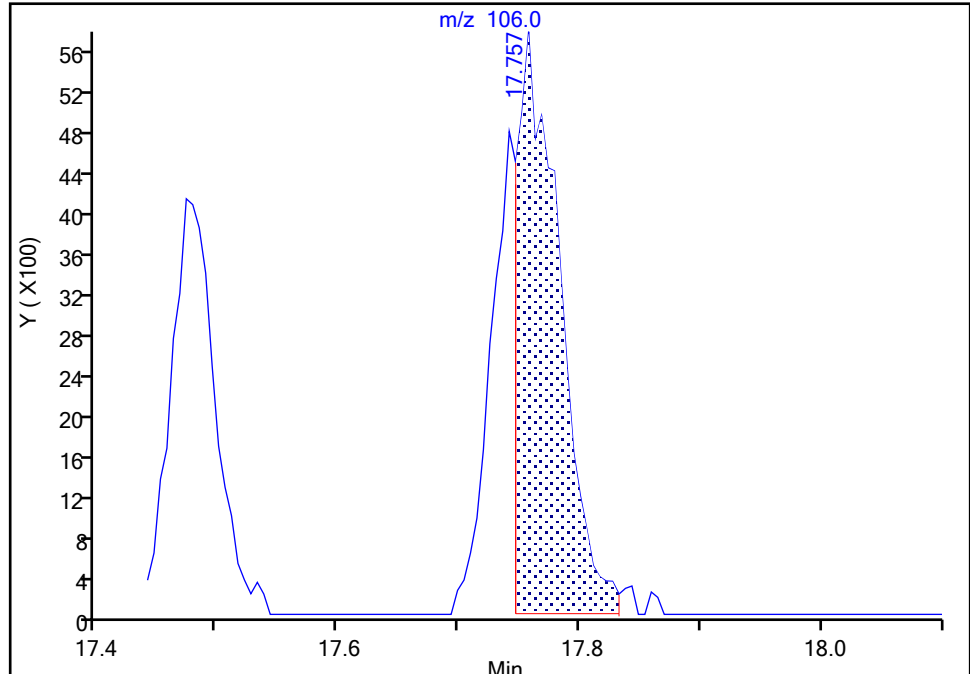
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Injection Date: 10-Mar-2023 12:00:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

74 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

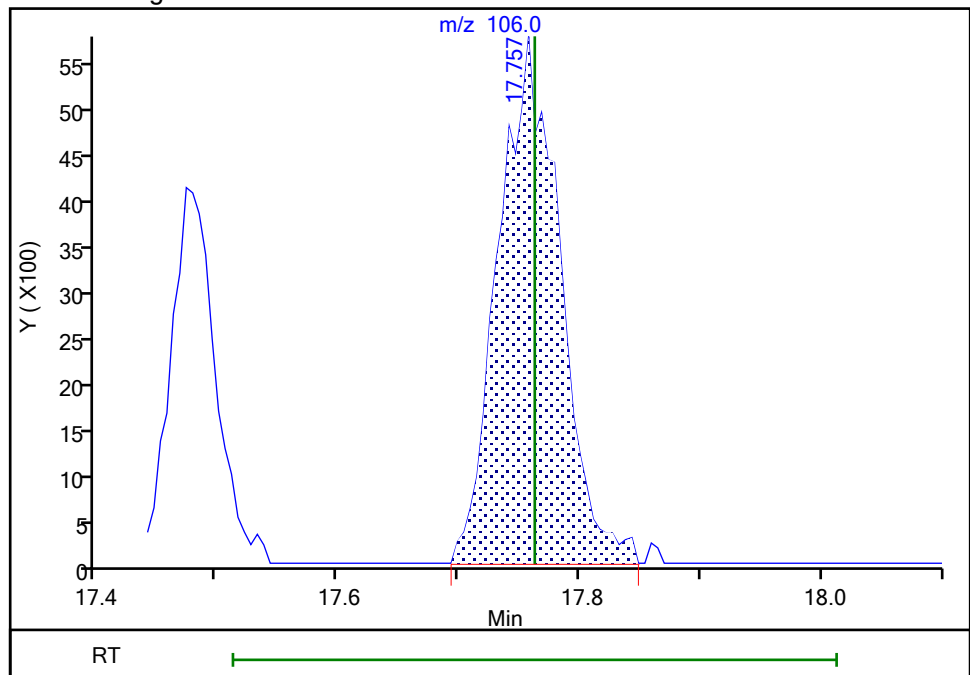
RT: 17.76
Area: 14270
Amount: 0.490329
Amount Units: ppb v/v

Processing Integration Results



RT: 17.76
Area: 20294
Amount: 0.418082
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:49:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

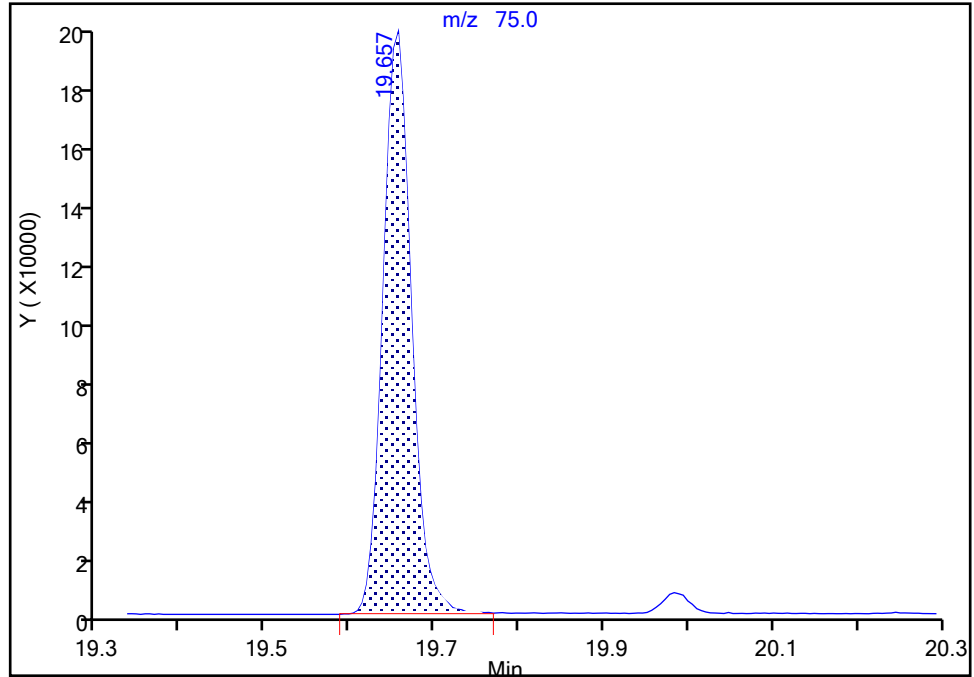
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Injection Date: 10-Mar-2023 12:00:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

81 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

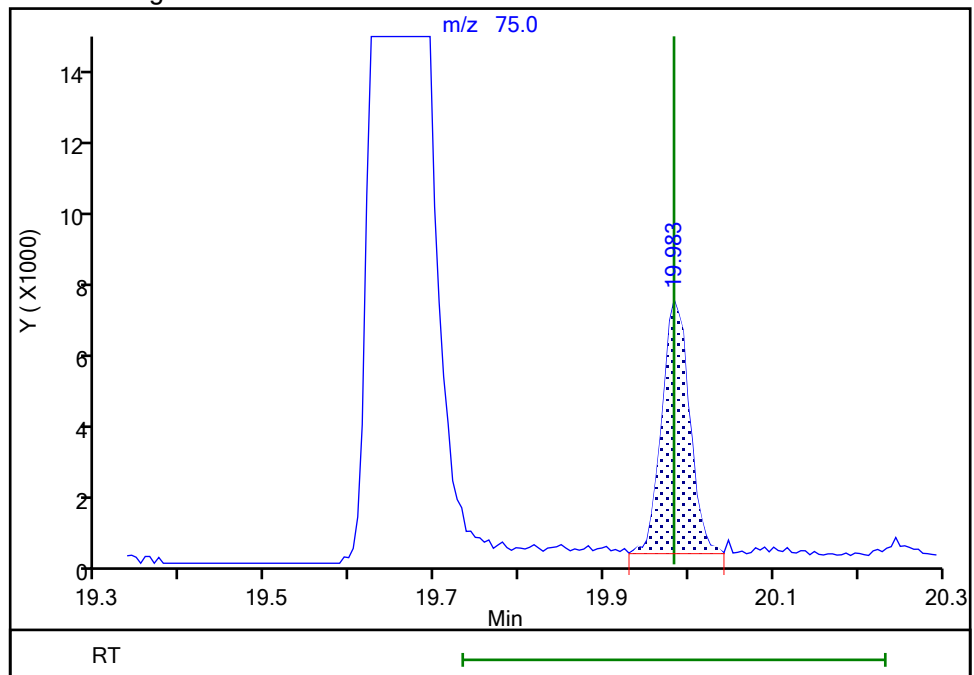
RT: 19.66
Area: 468556
Amount: 0.115771
Amount Units: ppb v/v

Processing Integration Results



RT: 19.98
Area: 16167
Amount: 0.227276
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 15:06:29

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

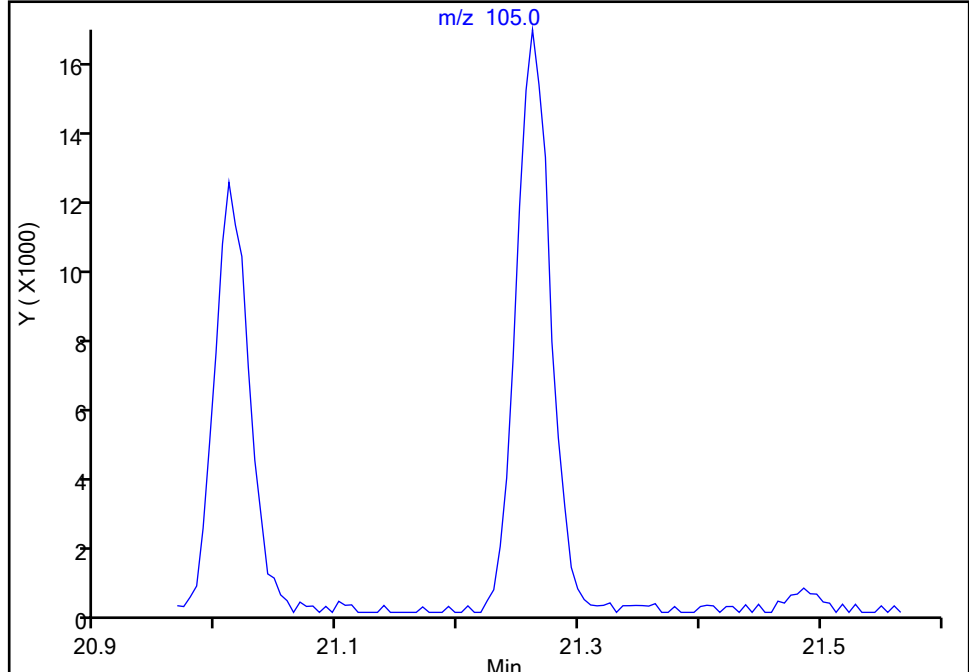
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Injection Date: 10-Mar-2023 12:00:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

91 sec-Butylbenzene, CAS: 135-98-8

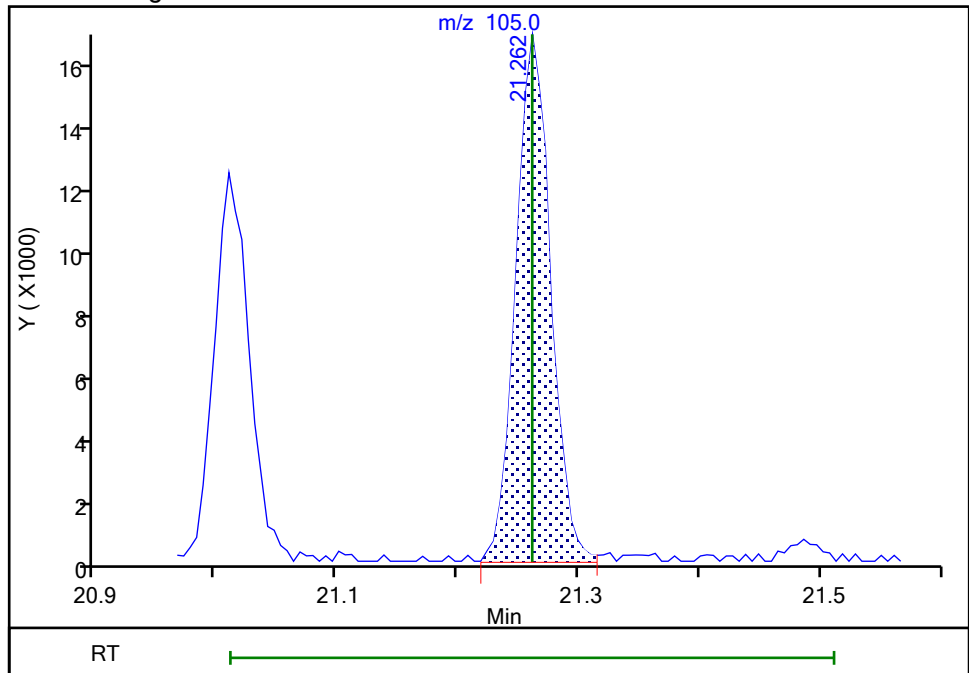
Signal: 1

Not Detected
Expected RT: 21.26

Processing Integration Results



Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:50:05
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration
Page 658 of 919

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PM

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-005.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 10-Mar-2023 12:53:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-005
 Misc. Info.: ic-3
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:16 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 10-Mar-2023 14:55:53

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	3.105	3.104	0.001	96	13873	0.5005	0.7095	
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	99	46220	0.5005	0.6151	
3 Chlorodifluoromethane	51	3.185	3.185	0.000	97	25726	0.5005	0.5928	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.383	3.383	0.000	96	41914	0.5005	0.5985	
5 Chloromethane	50	3.463	3.463	0.000	98	14506	0.5005	0.6008	
6 Vinyl chloride	62	3.661	3.661	0.000	80	13626	0.5005	0.5858	
7 Butane	43	3.666	3.666	0.000	95	18899	0.5005	0.6288	
8 Butadiene	54	3.741	3.736	0.005	96	8921	0.5005	0.5455	
9 Bromomethane	94	4.239	4.233	0.006	98	11942	0.5005	0.5758	
10 Chloroethane	64	4.431	4.426	0.005	94	4560	0.5005	0.6116	
11 2-Methylbutane	43	4.586	4.586	0.000	88	11360	0.5005	0.6105	
12 Vinyl bromide	106	4.752	4.747	0.005	96	10726	0.5005	0.5941	
13 Trichlorofluoromethane	101	4.881	4.875	0.006	98	33719	0.5005	0.5952	
14 Pentane	43	5.041	5.041	0.000	97	22054	0.5005	0.6019	
15 Ethanol	45	5.191	5.159	0.032	96	100065	5.01	6.18	
16 Ethyl ether	59	5.416	5.383	0.033	90	6442	0.5005	0.5302	
17 Acrolein	56	5.614	5.587	0.027	97	3717	0.5005	0.5984	
18 1,1-Dichloroethene	96	5.769	5.769	0.000	94	15079	0.5005	0.5800	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.801	0.000	94	31750	0.5005	0.6040	
19 Acetone	43	5.870	5.833	0.037	100	29148	0.5005	0.9060	
22 Isopropyl alcohol	45	6.175	6.095	0.080	99	24428	0.5005	0.6232	
23 Carbon disulfide	76	6.154	6.154	0.000	100	43163	0.5005	0.5922	
24 Acetonitrile	41	6.309	6.287	0.022	97	8345	0.5005	0.6025	Ma
25 3-Chloro-1-propene	41	6.405	6.400	0.005	98	16189	0.5005	0.5493	Ma
26 Methylene Chloride	49	6.614	6.614	0.000	97	19180	0.5005	0.6159	
27 2-Methyl-2-propanol	59	6.924	6.822	0.102	95	26043	0.5005	0.5864	
28 Acrylonitrile	53	7.015	6.994	0.021	92	6753	0.5005	0.5159	
29 trans-1,2-Dichloroethene	61	7.101	7.101	0.000	95	22049	0.5005	0.5767	
30 Methyl tert-butyl ether	73	7.170	7.122	0.048	96	32283	0.5005	0.5601	
31 Hexane	57	7.609	7.609	0.000	89	20263	0.5005	0.5983	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.850	7.850	0.000	99	25926	0.5005	0.5840	
33 Vinyl acetate	43	7.877	7.860	0.016	100	28428	0.5005	0.5462	Ma
34 2-Butanone (MEK)	72	8.850	8.818	0.032	100	8064	0.5005	0.7551	
35 cis-1,2-Dichloroethene	96	8.834	8.834	0.000	98	14986	0.5005	0.5844	
36 Ethyl acetate	88	8.930	8.909	0.021	99	559	0.5005	0.4245	
* 37 Chlorobromomethane	128	9.251	9.246	0.005	95	242530	10.0	10.0	
38 Tetrahydrofuran	42	9.380	9.321	0.059	92	15401	0.5005	0.6262	
39 Chloroform	83	9.428	9.433	-0.005	97	37528	0.5005	0.5779	
S 43 1,2-Dichloroethene, Total	61				0		1.00	1.16	
40 1,1,1-Trichloroethane	97	9.754	9.759	-0.005	96	39864	0.5005	0.6092	
41 Cyclohexane	84	9.909	9.909	0.000	94	21031	0.5005	0.6198	
42 Carbon tetrachloride	117	10.054	10.054	0.000	97	34413	0.5005	0.5665	
44 Benzene	78	10.428	10.423	0.005	97	50883	0.5005	0.5789	
45 1,2-Dichloroethane	62	10.498	10.498	0.000	97	25312	0.5005	0.5767	
46 Isooctane	57	10.674	10.680	-0.006	98	89465	0.5005	0.6015	
47 n-Heptane	43	11.022	11.022	0.000	95	35217	0.5005	0.5815	
* 48 1,4-Difluorobenzene	114	11.236	11.236	0.000	95	1230654	10.0	10.0	
49 n-Butanol	56	11.600	11.546	0.054	96	23886	0.5005	1.04	
50 Trichloroethene	95	11.723	11.723	0.000	93	34394	0.5005	0.6376	
51 1,2-Dichloropropane	63	12.220	12.226	-0.006	86	20809	0.5005	0.5725	
54 Methyl methacrylate	69	12.370	12.354	0.016	91	17087	0.5005	0.5776	
53 Dibromomethane	174	12.397	12.391	0.006	90	23115	0.5005	0.5858	
55 1,4-Dioxane	88	12.467	12.397	0.070	94	10729	0.5005	0.5725	
56 Dichlorobromomethane	83	12.745	12.745	0.000	98	44772	0.5005	0.5668	
58 cis-1,3-Dichloropropene	75	13.638	13.638	0.000	95	33842	0.5005	0.5565	
59 4-Methyl-2-pentanone (MIBK)	43	13.986	13.954	0.032	98	44430	0.5005	0.5652	
A 61 Toluene Range	92	14.339	(14.299-14.379)	0	149495	NC	NC		
60 Toluene	92	14.339	14.339	0.000	94	35891	0.5005	0.5703	
A 64 C8 Range	1	14.649	(14.594-14.694)	0	149629	NC	NC		
63 n-Octane	43	14.639	14.644	-0.005	94	41436	0.5005	0.5303	
65 trans-1,3-Dichloropropene	75	14.788	14.788	0.000	98	27735	0.5005	0.5242	
66 1,1,2-Trichloroethane	83	15.190	15.189	0.001	97	20559	0.5005	0.5669	
67 Tetrachloroethene	166	15.404	15.409	-0.005	93	32477	0.5005	0.5930	
68 2-Hexanone	43	15.692	15.665	0.027	92	42619	0.5005	0.5576	
69 Chlorodibromomethane	129	15.971	15.970	0.001	97	39990	0.5005	0.5314	
70 Ethylene Dibromide	107	16.222	16.222	0.000	98	35308	0.5005	0.5551	
* 71 Chlorobenzene-d5	117	17.201	17.201	0.000	89	1157524	10.0	10.0	
72 Chlorobenzene	112	17.260	17.260	0.000	92	46619	0.5005	0.5587	
73 Ethylbenzene	91	17.479	17.479	0.000	99	76549	0.5005	0.5603	
74 m-Xylene & p-Xylene	106	17.752	17.763	-0.011	0	49829	1.00	1.07	
75 n-Nonane	57	17.854	17.854	0.000	92	31725	0.5005	0.5303	
76 o-Xylene	106	18.571	18.570	0.001	97	27536	0.5005	0.5667	
77 Styrene	104	18.603	18.608	-0.005	99	36656	0.5005	0.5042	
78 Bromoform	173	18.966	18.966	0.000	93	34704	0.5005	0.5204	
79 Isopropylbenzene	105	19.336	19.335	0.001	98	69829	0.5005	0.5408	
S 82 Xylenes, Total	106				0		1.50	1.63	
80 1,1,2,2-Tetrachloroethane	83	19.881	19.881	0.000	98	48054	0.5005	0.5606	
81 1,2,3-Trichloropropane	75	19.983	19.983	0.000	97	37493	0.5005	0.5478	Ma
83 N-Propylbenzene	91	20.101	20.106	-0.005	98	85669	0.5005	0.5392	
84 2-Chlorotoluene	91	20.250	20.250	0.000	97	57381	0.5005	0.5457	
85 4-Ethyltoluene	105	20.315	20.314	0.001	99	65539	0.5005	0.5360	
86 1,3,5-Trimethylbenzene	105	20.416	20.416	0.000	92	54275	0.5005	0.5316	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.470	20.470	0.000	89	28935	0.5005	0.4790	
88 Alpha Methyl Styrene	118	20.759	20.758	0.001	86	26023	0.5005	0.5099	
89 tert-Butylbenzene	119	20.919	20.919	0.000	90	51711	0.5005	0.5657	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	98	56527	0.5005	0.5466	
91 sec-Butylbenzene	105	21.261	21.261	0.000	98	78707	0.5005	0.5575	Ma
92 1,3-Dichlorobenzene	146	21.433	21.427	0.006	98	40326	0.5005	0.5543	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	96	60528	0.5005	0.5498	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	92	41130	0.5005	0.5601	
95 Benzyl chloride	91	21.727	21.727	0.000	97	53677	0.5005	0.5273	
97 n-Butylbenzene	91	22.059	22.053	0.006	97	60786	0.5005	0.5579	
96 1,2-Dichlorobenzene	146	22.075	22.074	0.001	93	39751	0.5005	0.5733	
98 Undecane	57	22.224	22.224	0.000	95	24247	0.5005	0.4625	
99 Dodecane	57	23.819	23.818	0.001	93	21801	0.5005	0.5151	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	93	24571	0.5005	0.4839	
101 Hexachlorobutadiene	225	24.782	24.781	0.001	95	25658	0.5005	0.5801	
102 Naphthalene	128	25.001	25.001	0.000	98	52074	0.5005	0.4582	
103 1,2,3-Trichlorobenzene	180	25.413	25.413	0.000	94	21307	0.5005	0.5149	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

ATTO15CAL2w_00331

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 11-Mar-2023 11:11:17

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-005.D

Injection Date: 10-Mar-2023 12:53:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

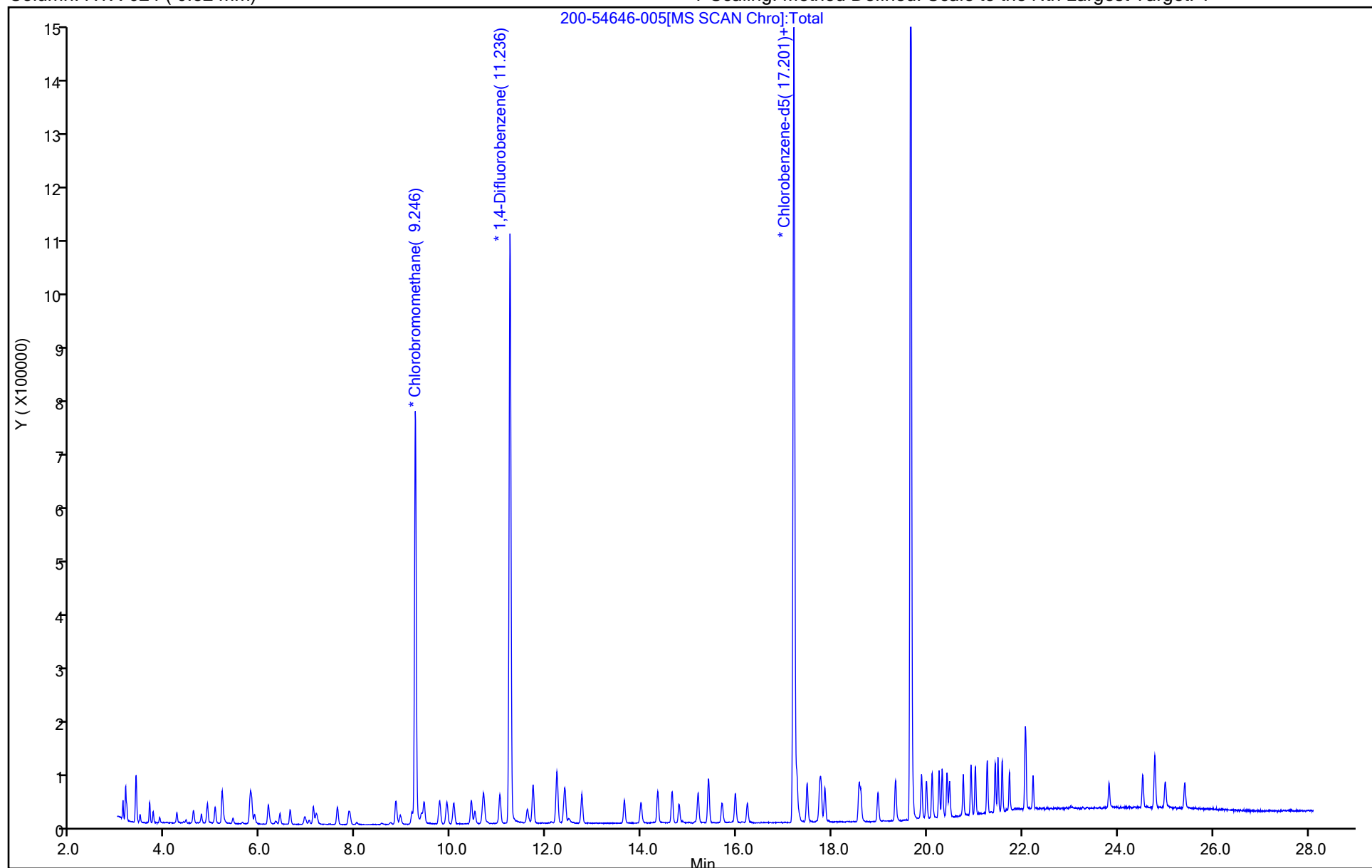
ALS Bottle#: 5

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230310-54646.b\200-54646-005.D

Injection Date: 10-Mar-2023 12:53:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

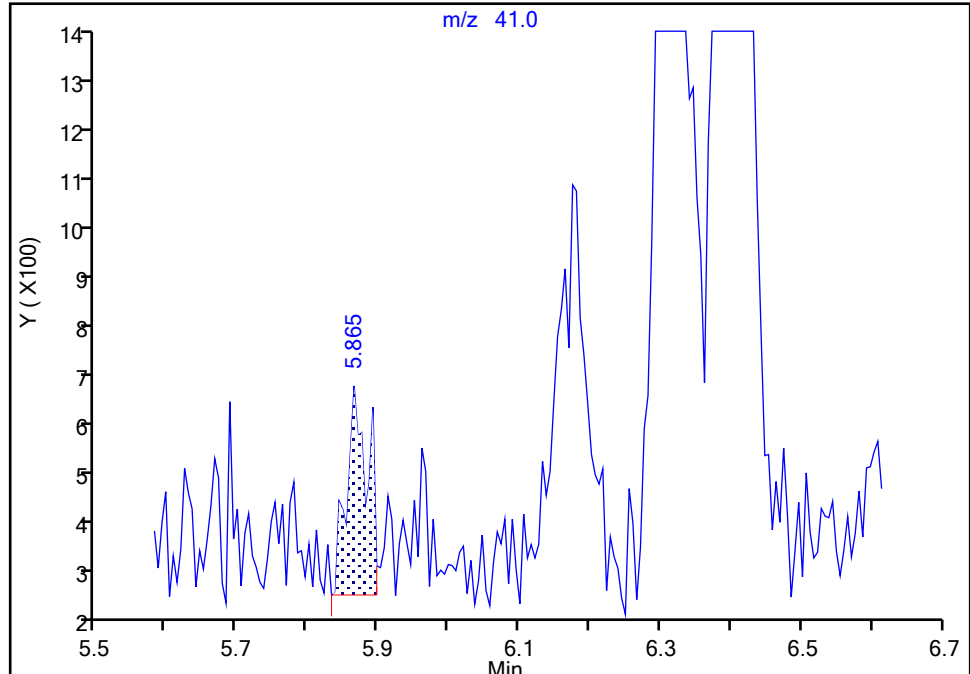
Detector: MS SCAN

24 Acetonitrile, CAS: 75-05-8

Signal: 1

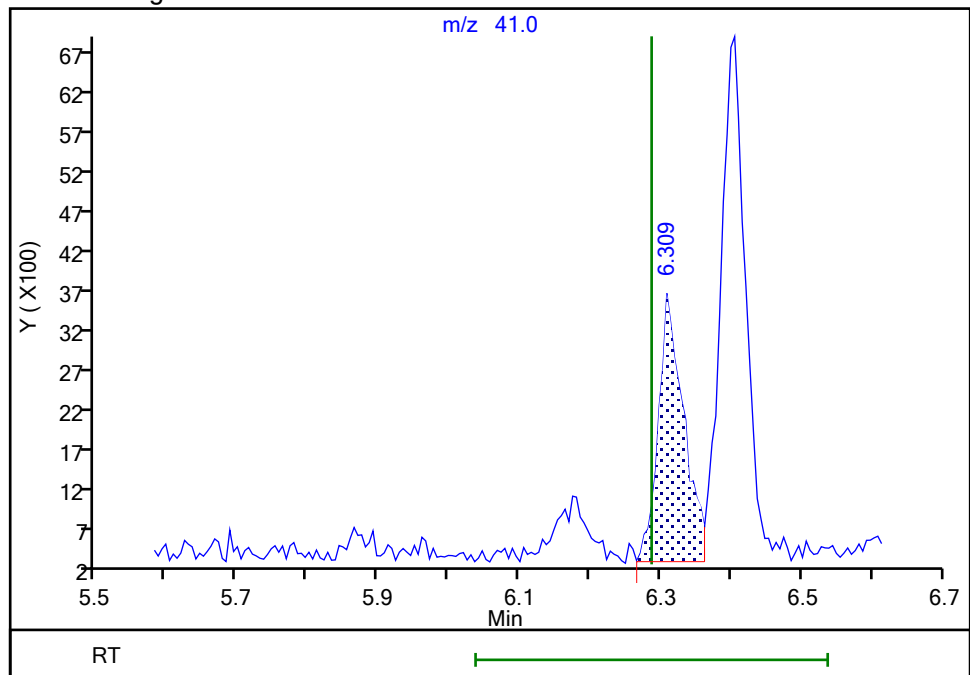
RT: 5.87
Area: 843
Amount: 0.081903
Amount Units: ppb v/v

Processing Integration Results



RT: 6.31
Area: 8345
Amount: 0.602491
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:53:47

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

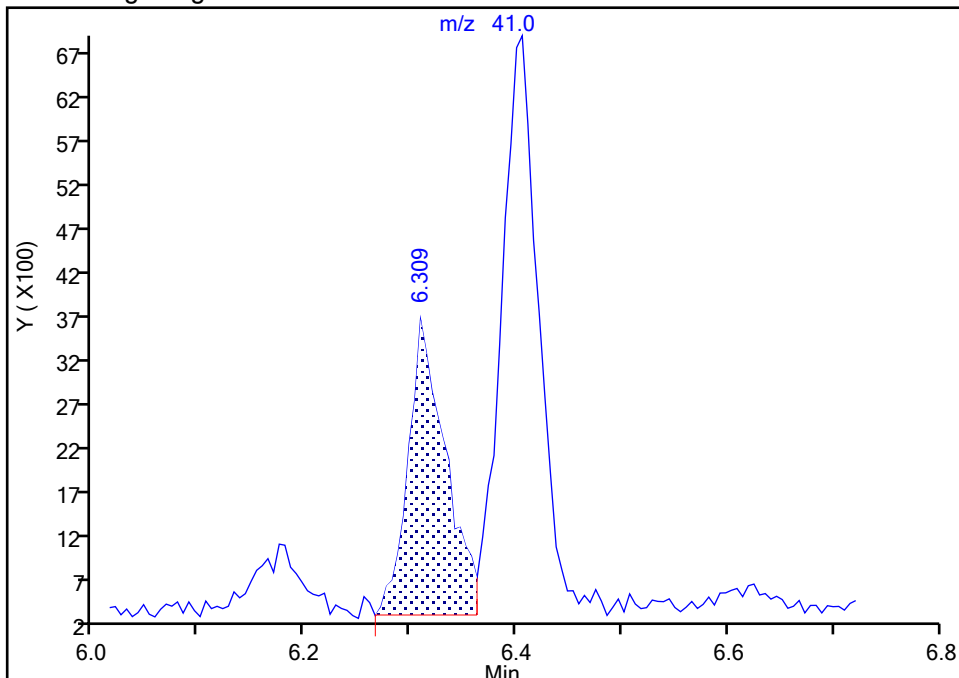
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Injection Date: 10-Mar-2023 12:53:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

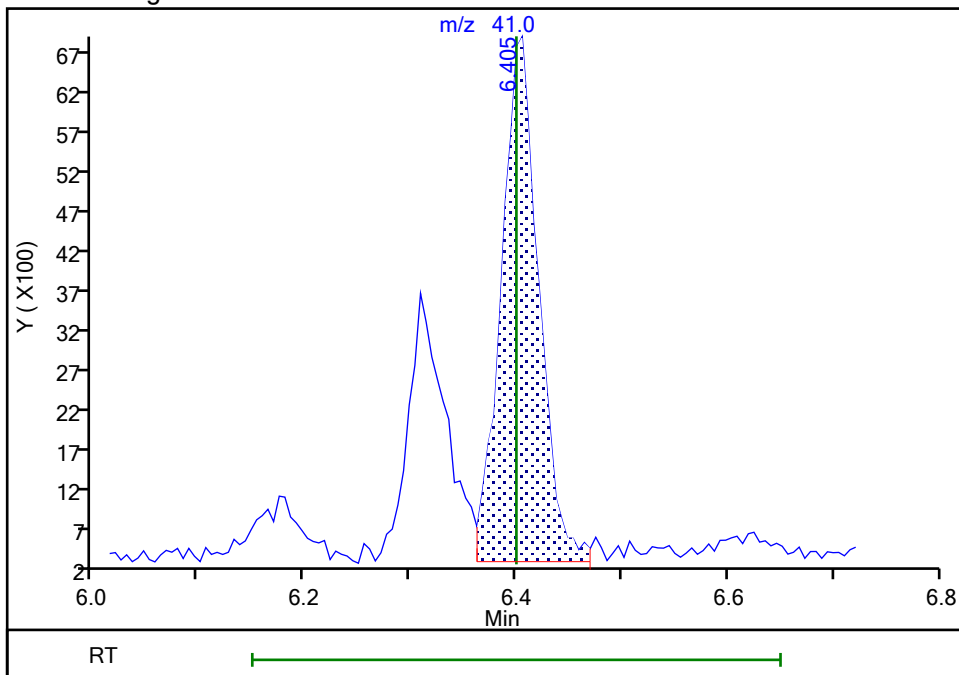
RT: 6.31
Area: 8357
Amount: 0.653172
Amount Units: ppb v/v

Processing Integration Results



RT: 6.41
Area: 16189
Amount: 0.549274
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:53:41

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

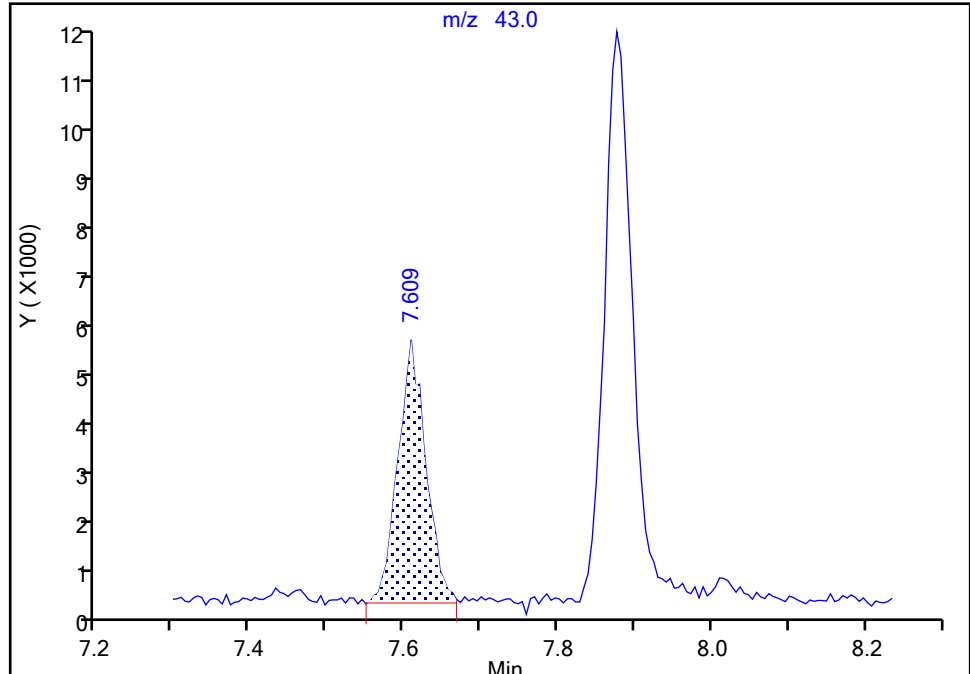
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Injection Date: 10-Mar-2023 12:53:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

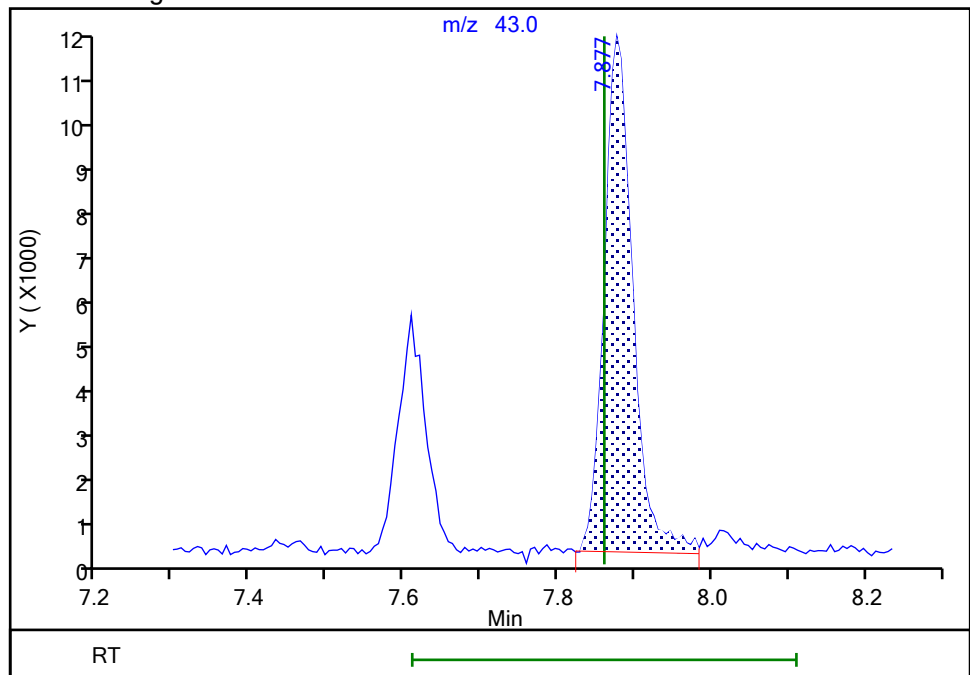
RT: 7.61
Area: 12940
Amount: 0.517960
Amount Units: ppb v/v

Processing Integration Results



RT: 7.88
Area: 28428
Amount: 0.546202
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:54:53

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

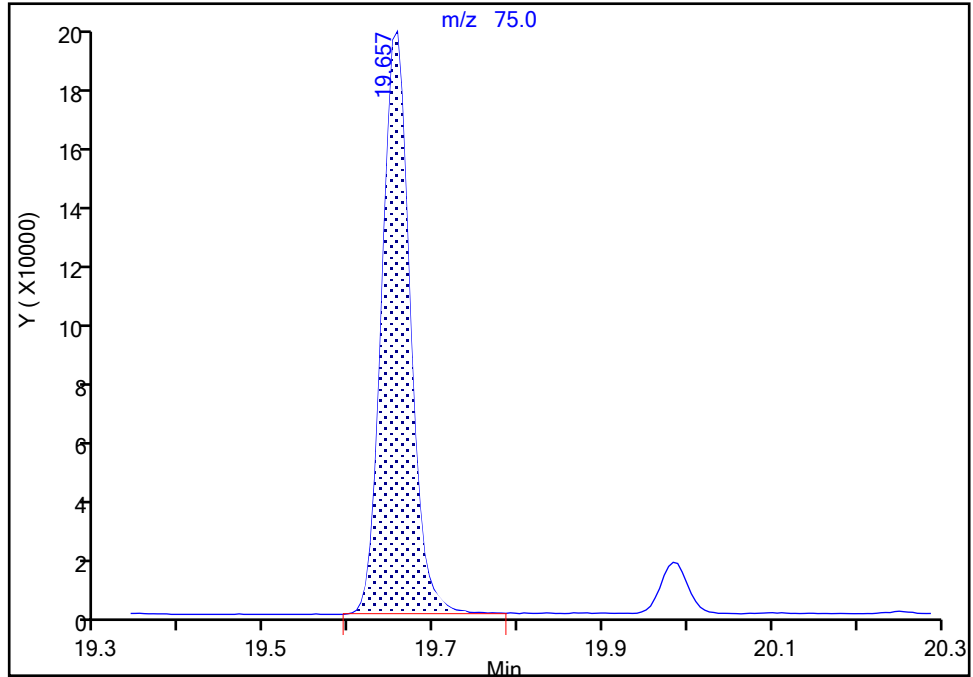
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Injection Date: 10-Mar-2023 12:53:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

81 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

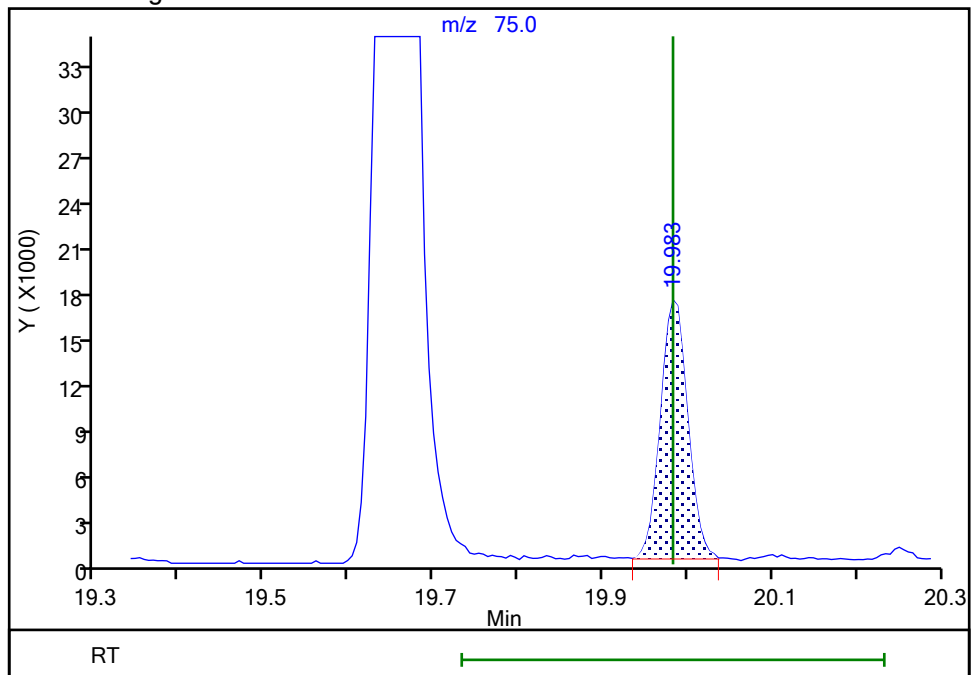
RT: 19.66
Area: 445971
Amount: 0.133083
Amount Units: ppb v/v

Processing Integration Results



RT: 19.98
Area: 37493
Amount: 0.547827
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 15:07:03
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration
Page 666 of 919

3/21/2023 4:48
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-005.D

Injection Date: 10-Mar-2023 12:53:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

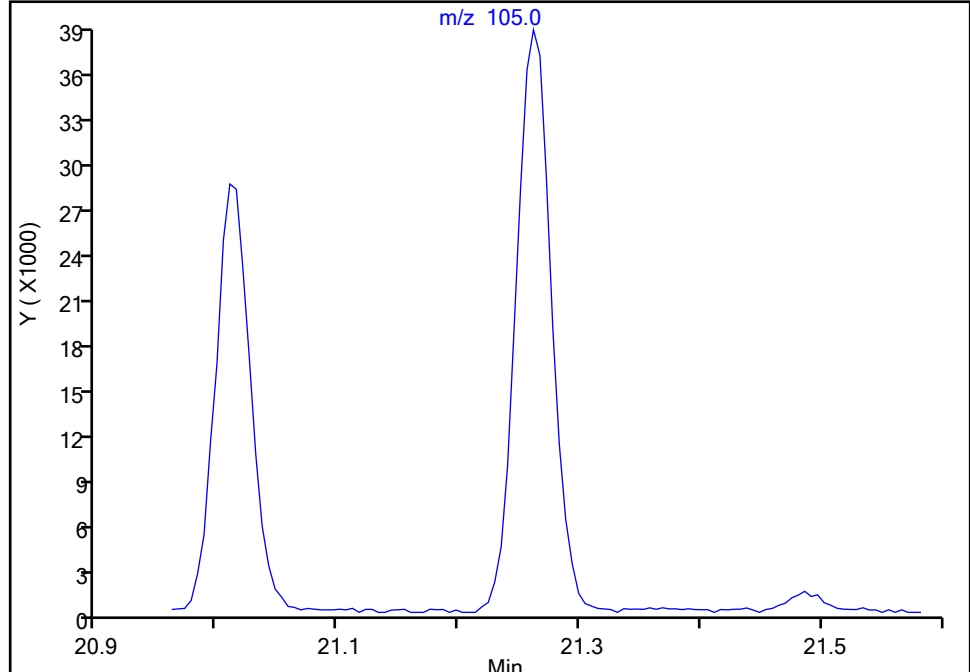
91 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

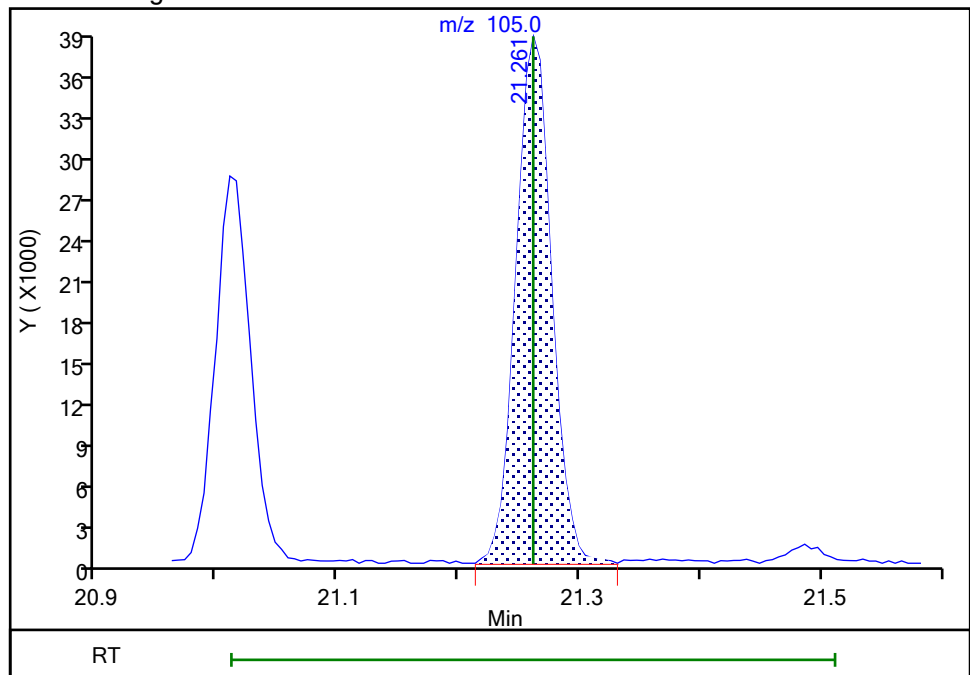
Not Detected

Expected RT: 21.26

Processing Integration Results



Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 14:55:37

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-006.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 10-Mar-2023 13:45:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-006
 Misc. Info.: ic-4
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:18 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 10-Mar-2023 15:02:43

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	3.105	3.104	0.001	98	96694	4.99	5.07	
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	364673	4.99	4.97	
3 Chlorodifluoromethane	51	3.185	3.185	0.000	97	206084	4.99	4.87	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.377	3.383	-0.006	96	332648	4.99	4.87	
5 Chloromethane	50	3.463	3.463	0.000	99	113670	4.99	4.82	
6 Vinyl chloride	62	3.661	3.661	0.000	98	106796	4.99	4.71	
7 Butane	43	3.666	3.666	0.000	96	143718	4.99	4.90	
8 Butadiene	54	3.736	3.736	0.000	94	68387	4.99	4.29	
9 Bromomethane	94	4.233	4.233	0.000	98	97037	4.99	4.80	
10 Chloroethane	64	4.426	4.426	0.000	97	34839	4.99	4.79	
11 2-Methylbutane	43	4.586	4.586	0.000	89	84130	4.99	4.63	
12 Vinyl bromide	106	4.747	4.747	0.000	97	83224	4.99	4.72	
13 Trichlorofluoromethane	101	4.875	4.875	0.000	98	264518	4.99	4.79	
14 Pentane	43	5.041	5.041	0.000	97	173393	4.99	4.85	
15 Ethanol	45	5.170	5.159	0.011	95	160547	10.0	10.2	
16 Ethyl ether	59	5.389	5.383	0.006	92	56175	4.99	4.74	
17 Acrolein	56	5.592	5.587	0.005	97	27391	4.99	4.52	
18 1,1-Dichloroethene	96	5.769	5.769	0.000	94	115037	4.99	4.54	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.801	0.000	94	244521	4.99	4.77	
19 Acetone	43	5.844	5.833	0.011	99	164867	4.99	5.25	
22 Isopropyl alcohol	45	6.106	6.095	0.011	100	210106	4.99	5.49	
23 Carbon disulfide	76	6.149	6.154	-0.005	100	353798	4.99	4.97	
24 Acetonitrile	41	6.293	6.287	0.006	97	65352	4.99	4.84	Ma
25 3-Chloro-1-propene	41	6.400	6.400	0.000	99	126363	4.99	4.39	Ma
26 Methylene Chloride	49	6.614	6.614	0.000	98	145294	4.99	4.78	
27 2-Methyl-2-propanol	59	6.844	6.822	0.022	95	232990	4.99	5.38	
28 Acrylonitrile	53	6.999	6.994	0.005	94	59983	4.99	4.70	
29 trans-1,2-Dichloroethene	61	7.101	7.101	0.000	95	177592	4.99	4.76	
30 Methyl tert-butyl ether	73	7.128	7.122	0.006	96	271050	4.99	4.82	
31 Hexane	57	7.609	7.609	0.000	89	150567	4.99	4.56	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.850	7.850	0.000	100	198594	4.99	4.59	
33 Vinyl acetate	43	7.860	7.860	0.000	100	249918	4.99	4.92	Ma
34 2-Butanone (MEK)	72	8.829	8.818	0.011	99	48841	4.99	4.69	
35 cis-1,2-Dichloroethene	96	8.829	8.834	-0.005	98	117643	4.99	4.70	
36 Ethyl acetate	88	8.909	8.909	0.000	99	6618	4.99	5.15	
* 37 Chlorobromomethane	128	9.246	9.246	0.000	95	236644	10.0	10.0	
38 Tetrahydrofuran	42	9.332	9.321	0.011	91	125216	4.99	5.18	
39 Chloroform	83	9.433	9.433	0.000	97	293593	4.99	4.63	
S 43 1,2-Dichloroethene, Total	61				0		9.99	9.46	
40 1,1,1-Trichloroethane	97	9.760	9.759	0.001	97	309613	4.99	4.82	
41 Cyclohexane	84	9.915	9.909	0.006	95	161340	4.99	4.84	
42 Carbon tetrachloride	117	10.054	10.054	0.000	97	308586	4.99	5.17	
44 Benzene	78	10.423	10.423	0.000	97	381507	4.99	4.42	
45 1,2-Dichloroethane	62	10.498	10.498	0.000	98	194759	4.99	4.52	
46 Isooctane	57	10.680	10.680	0.000	98	714241	4.99	4.89	
47 n-Heptane	43	11.022	11.022	0.000	96	285707	4.99	4.80	
* 48 1,4-Difluorobenzene	114	11.236	11.236	0.000	95	1209314	10.0	10.0	
49 n-Butanol	56	11.568	11.546	0.022	94	121886	4.99	5.39	
50 Trichloroethene	95	11.718	11.723	-0.005	93	253937	4.99	4.79	
51 1,2-Dichloropropane	63	12.226	12.226	0.000	89	166415	4.99	4.66	
54 Methyl methacrylate	69	12.360	12.354	0.006	91	144933	4.99	4.99	
53 Dibromomethane	174	12.392	12.391	0.001	91	180316	4.99	4.65	
55 1,4-Dioxane	88	12.408	12.397	0.011	96	103162	4.99	5.60	
56 Dichlorobromomethane	83	12.745	12.745	0.000	98	363248	4.99	4.68	
58 cis-1,3-Dichloropropene	75	13.638	13.638	0.000	96	282795	4.99	4.73	
59 4-Methyl-2-pentanone (MIBK)	43	13.959	13.954	0.005	98	397512	4.99	5.15	
A 61 Toluene Range	92	14.339	(14.299-14.379)	0	1199128	NC	NC		
60 Toluene	92	14.339	14.339	0.000	93	281075	4.99	4.37	
A 64 C8 Range	1	14.649	(14.594-14.694)	0	1274048	NC	NC		
63 n-Octane	43	14.639	14.644	-0.005	96	358968	4.99	4.68	
65 trans-1,3-Dichloropropene	75	14.788	14.788	0.000	98	246317	4.99	4.74	
66 1,1,2-Trichloroethane	83	15.184	15.189	-0.005	98	164055	4.99	4.43	
67 Tetrachloroethene	166	15.404	15.409	-0.005	92	261747	4.99	4.68	
68 2-Hexanone	43	15.671	15.665	0.006	92	379030	4.99	4.85	
69 Chlorodibromomethane	129	15.971	15.970	0.001	98	358202	4.99	4.66	
70 Ethylene Dibromide	107	16.222	16.222	0.000	98	302198	4.99	4.65	
* 71 Chlorobenzene-d5	117	17.201	17.201	0.000	89	1183186	10.0	10.0	
72 Chlorobenzene	112	17.260	17.260	0.000	93	393958	4.99	4.62	
73 Ethylbenzene	91	17.479	17.479	0.000	99	625315	4.99	4.48	
74 m-Xylene & p-Xylene	106	17.757	17.763	-0.006	0	453300	9.99	9.50	
75 n-Nonane	57	17.854	17.854	0.000	93	283081	4.99	4.63	
76 o-Xylene	106	18.571	18.570	0.001	97	226679	4.99	4.56	
77 Styrene	104	18.603	18.608	-0.005	99	353788	4.99	4.76	
78 Bromoform	173	18.966	18.966	0.000	94	342119	4.99	5.02	
79 Isopropylbenzene	105	19.336	19.335	0.001	97	630297	4.99	4.78	
S 82 Xylenes, Total	106				0		15.0	14.1	
80 1,1,2,2-Tetrachloroethane	83	19.881	19.881	0.000	98	425206	4.99	4.85	
81 1,2,3-Trichloropropane	75	19.983	19.983	0.000	97	341604	4.99	4.88	Ma
83 N-Propylbenzene	91	20.106	20.106	0.000	98	775107	4.99	4.77	
84 2-Chlorotoluene	91	20.250	20.250	0.000	97	506710	4.99	4.71	
85 4-Ethyltoluene	105	20.315	20.314	0.001	99	601506	4.99	4.81	
86 1,3,5-Trimethylbenzene	105	20.416	20.416	0.000	92	499610	4.99	4.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.470	20.470	0.000	90	286552	4.99	4.64	
88 Alpha Methyl Styrene	118	20.759	20.758	0.001	85	251451	4.99	4.82	
89 tert-Butylbenzene	119	20.919	20.919	0.000	90	439584	4.99	4.70	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	99	508920	4.99	4.81	
91 sec-Butylbenzene	105	21.261	21.261	0.000	98	679052	4.99	4.71	Ma
92 1,3-Dichlorobenzene	146	21.427	21.427	0.000	98	353433	4.99	4.75	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	97	531706	4.99	4.72	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	93	359816	4.99	4.79	
95 Benzyl chloride	91	21.727	21.727	0.000	97	537044	4.99	5.16	
97 n-Butylbenzene	91	22.059	22.053	0.006	98	532476	4.99	4.78	
96 1,2-Dichlorobenzene	146	22.075	22.074	0.001	93	348424	4.99	4.92	
98 Undecane	57	22.224	22.224	0.000	95	233480	4.99	4.36	
99 Dodecane	57	23.819	23.818	0.001	94	220107	4.99	5.09	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	94	262046	4.99	5.05	
101 Hexachlorobutadiene	225	24.782	24.781	0.001	97	202561	4.99	4.48	
102 Naphthalene	128	25.001	25.001	0.000	99	625506	4.99	5.38	
103 1,2,3-Trichlorobenzene	180	25.413	25.413	0.000	94	222346	4.99	5.26	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

ATTO15CAL3w_00261

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 11-Mar-2023 11:11:18

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-006.D

Injection Date: 10-Mar-2023 13:45:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

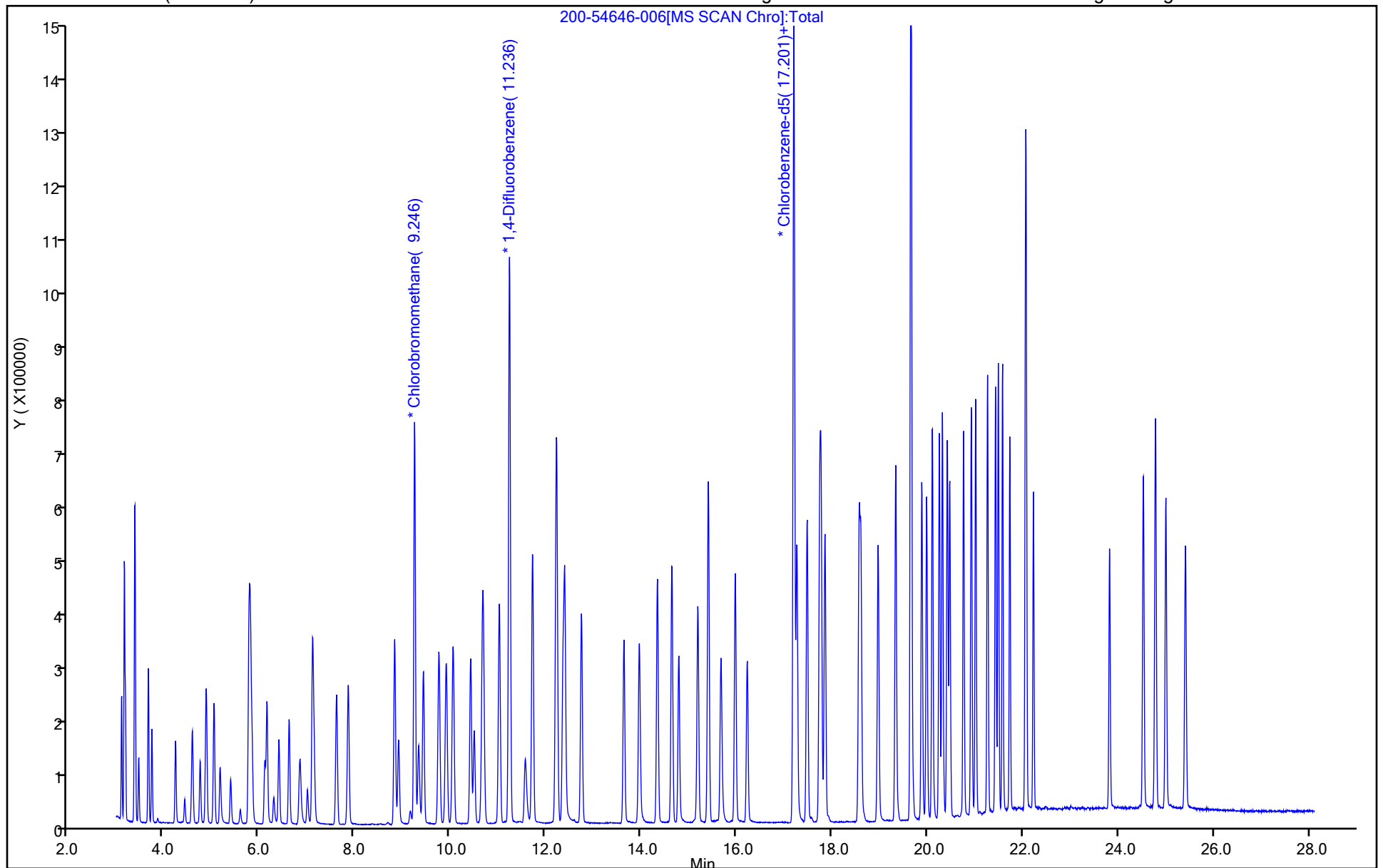
ALS Bottle#: 6

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins Burlington

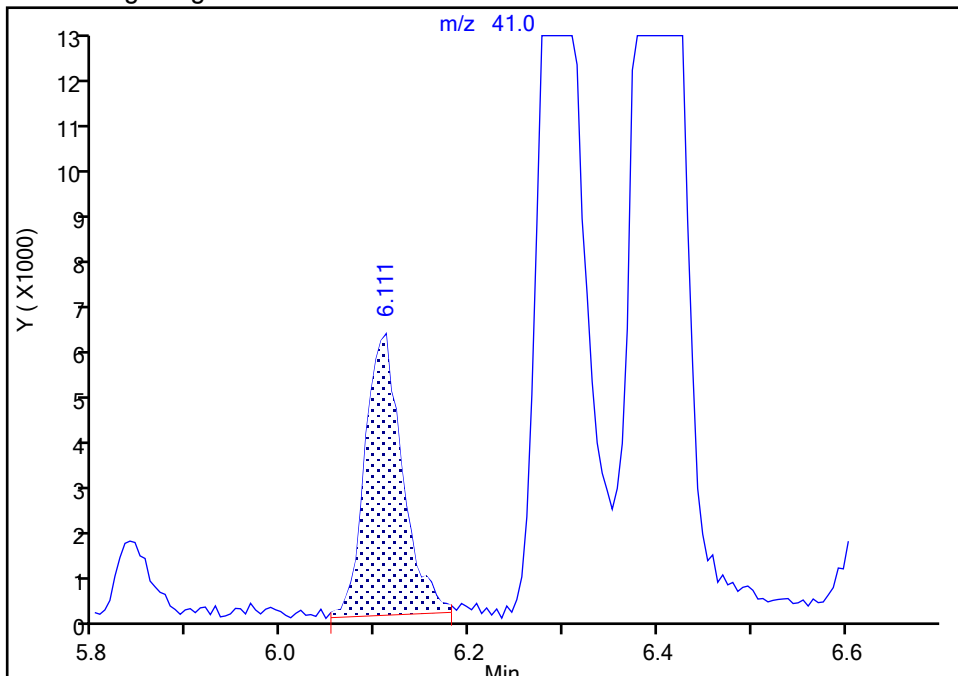
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Injection Date: 10-Mar-2023 13:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

24 Acetonitrile, CAS: 75-05-8

Signal: 1

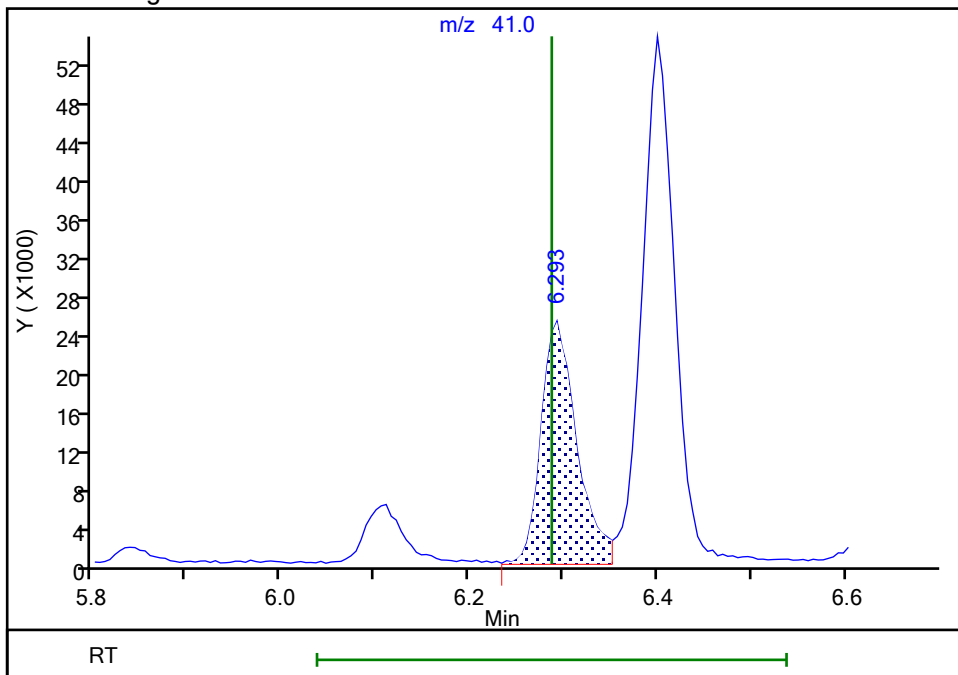
RT: 6.11
Area: 16556
Amount: 1.228397
Amount Units: ppb v/v

Processing Integration Results



RT: 6.29
Area: 65352
Amount: 4.835627
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 15:00:58

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

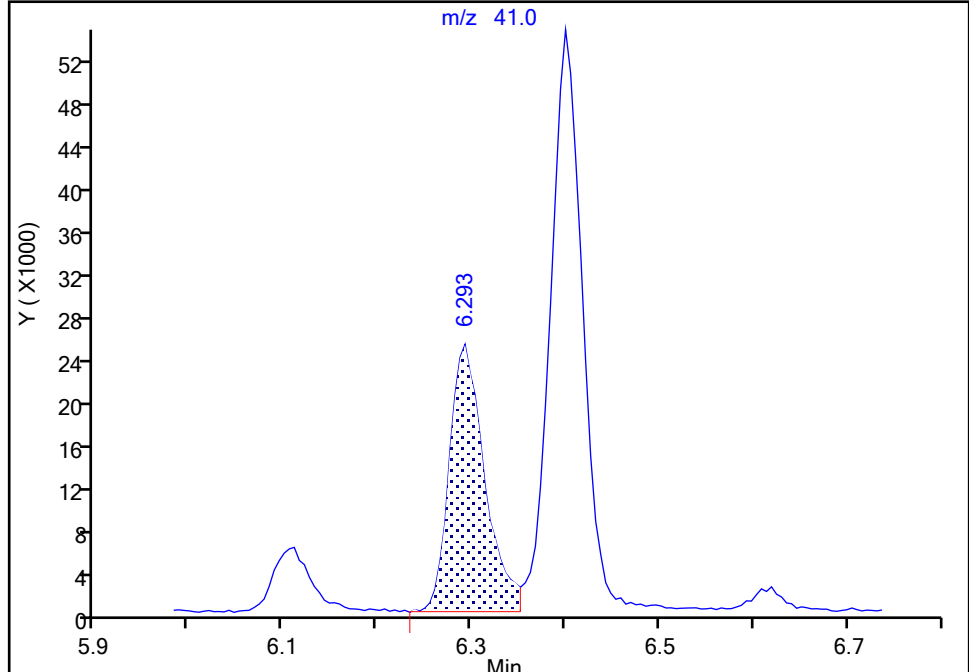
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Injection Date: 10-Mar-2023 13:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

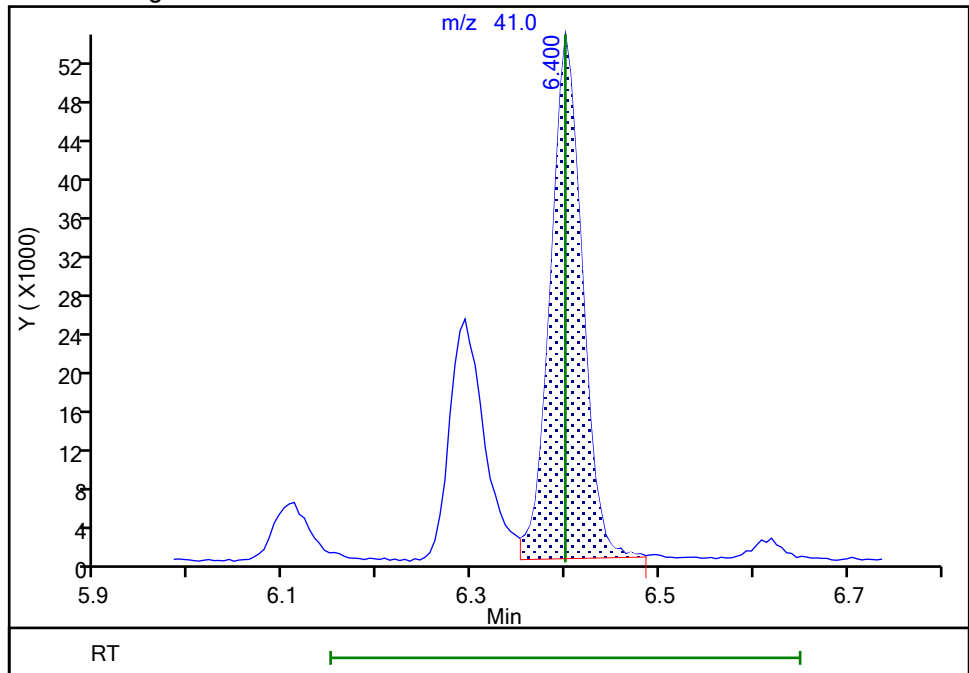
RT: 6.29
Area: 65352
Amount: 3.142106
Amount Units: ppb v/v

Processing Integration Results



RT: 6.40
Area: 126363
Amount: 4.393989
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 15:01:07

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

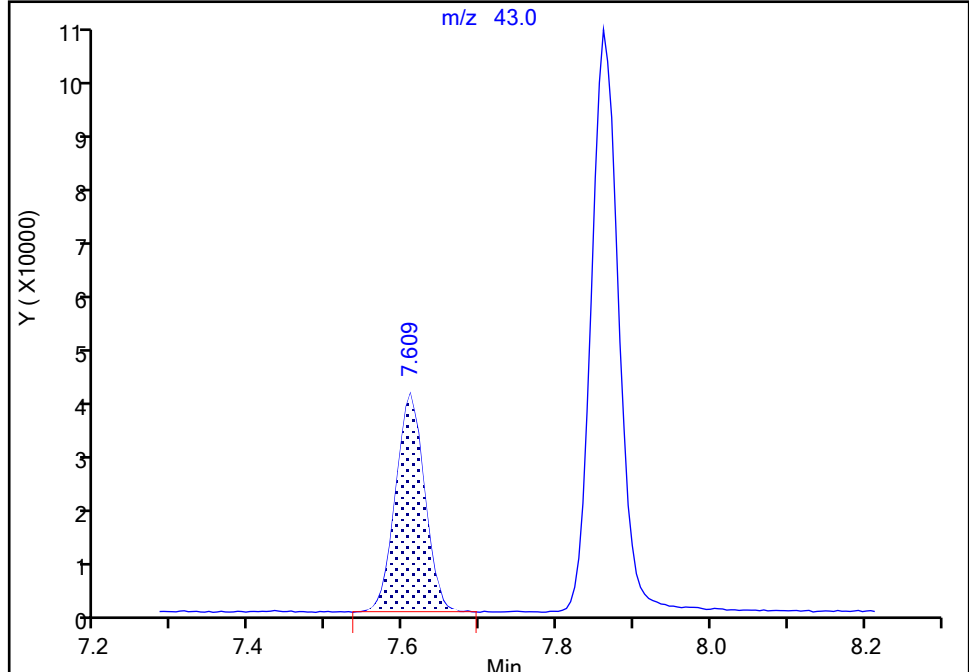
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Injection Date: 10-Mar-2023 13:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

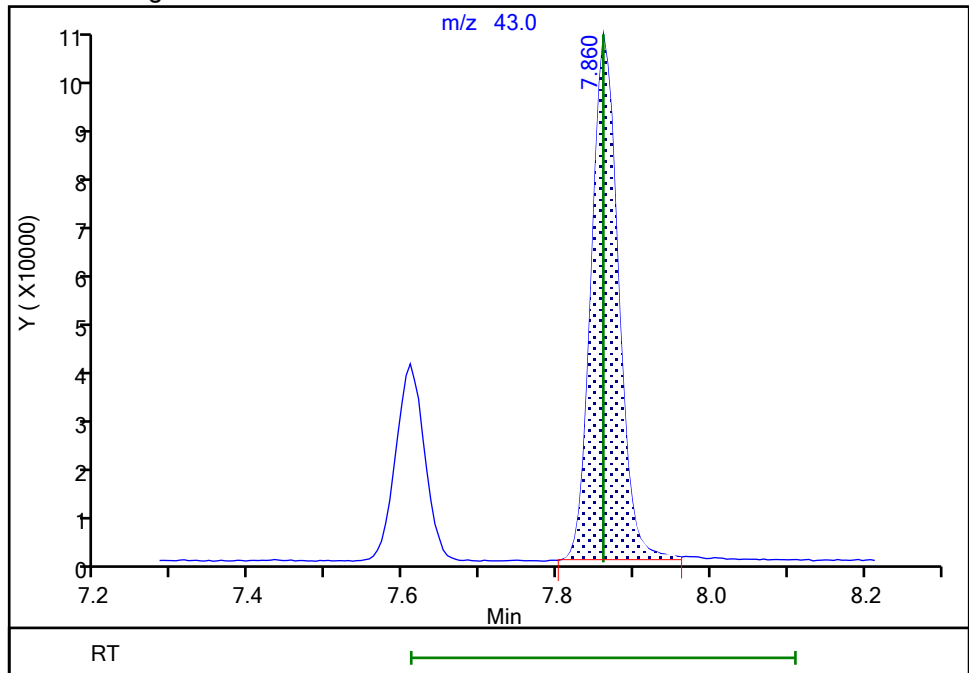
RT: 7.61
Area: 100021
Amount: 2.529486
Amount Units: ppb v/v

Processing Integration Results



RT: 7.86
Area: 249918
Amount: 4.921243
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 15:01:32
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration
Page 674 of 919

3/21/2023 4:48
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-006.D

Injection Date: 10-Mar-2023 13:45:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

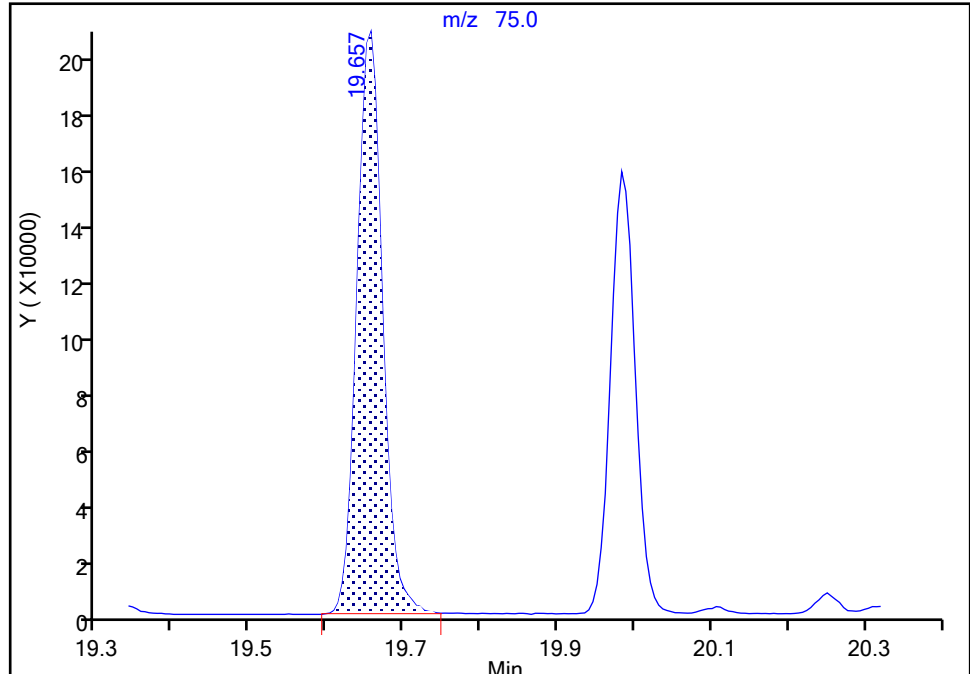
Detector: MS SCAN

81 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

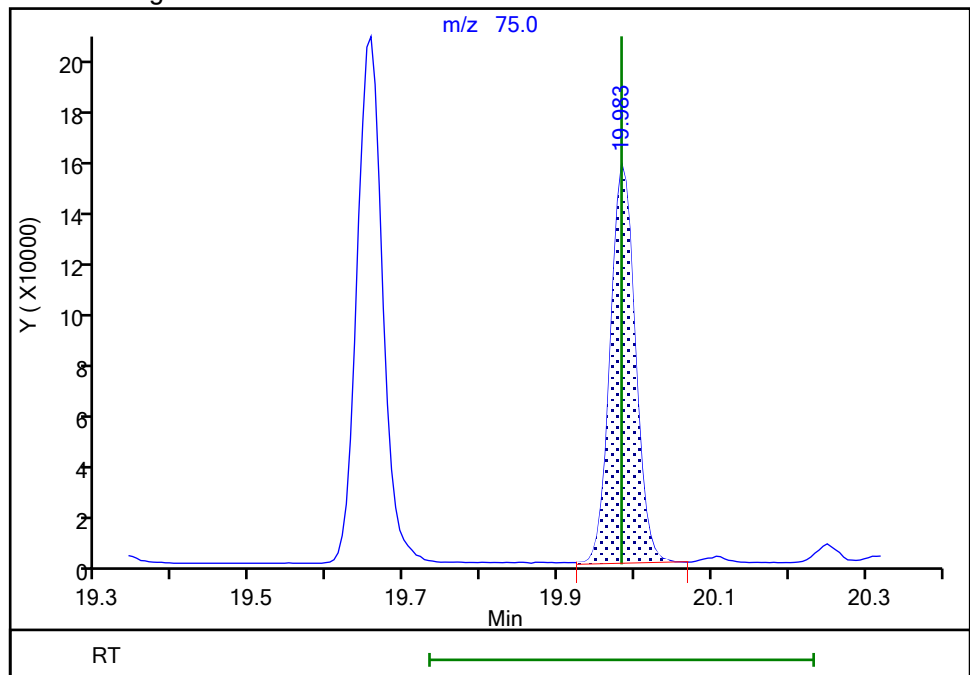
RT: 19.66
Area: 465734
Amount: 0.144782
Amount Units: ppb v/v

Processing Integration Results



RT: 19.98
Area: 341604
Amount: 4.883071
Amount Units: ppb v/v

Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 15:07:39

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Burlington

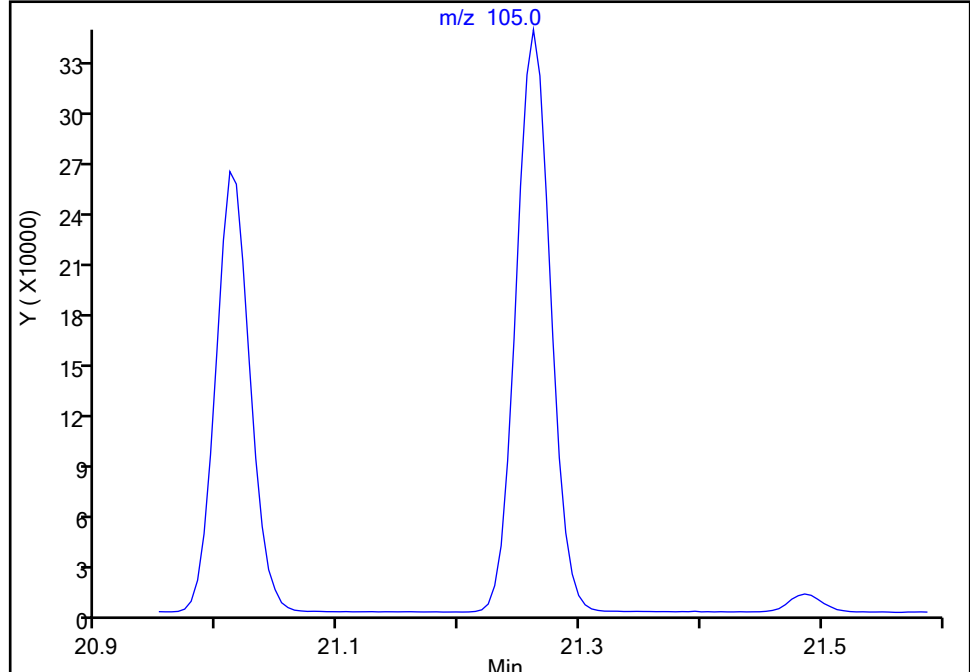
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Injection Date: 10-Mar-2023 13:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

91 sec-Butylbenzene, CAS: 135-98-8

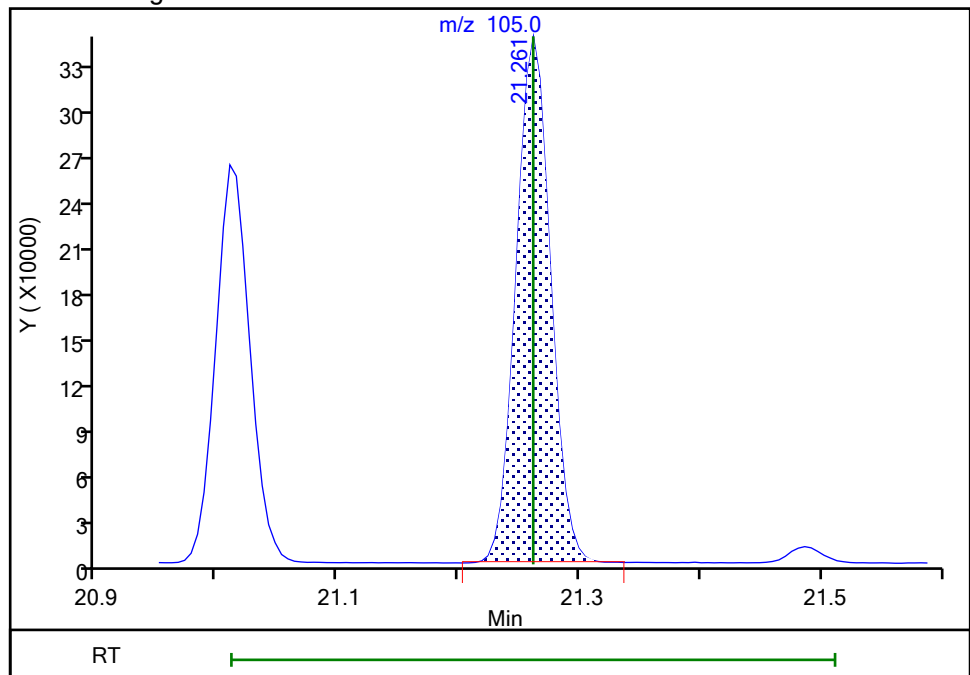
Signal: 1

Not Detected
Expected RT: 21.26

Processing Integration Results



Manual Integration Results



Reviewer: V0FK, 10-Mar-2023 15:02:20
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration
Page 676 of 919

3/21/2023 4:48
PM

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-007.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 10-Mar-2023 14:38:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-007
 Misc. Info.: icis
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:52 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 11-Mar-2023 11:11:52

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	3.104	3.104	0.000	98	208141	10.0	9.86	
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	100	763217	10.0	9.41	
3 Chlorodifluoromethane	51	3.185	3.185	0.000	97	449666	10.0	9.60	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.383	3.383	0.000	96	709850	10.0	9.39	
5 Chloromethane	50	3.463	3.463	0.000	99	245947	10.0	9.44	
6 Vinyl chloride	62	3.661	3.661	0.000	98	226266	10.0	9.01	
7 Butane	43	3.666	3.666	0.000	95	299090	10.0	9.22	
8 Butadiene	54	3.736	3.736	0.000	94	151414	10.0	8.58	
9 Bromomethane	94	4.233	4.233	0.000	98	206670	10.0	9.23	
10 Chloroethane	64	4.426	4.426	0.000	96	75099	10.0	9.33	
11 2-Methylbutane	43	4.586	4.586	0.000	90	179852	10.0	8.95	
12 Vinyl bromide	106	4.747	4.747	0.000	98	178249	10.0	9.15	
13 Trichlorofluoromethane	101	4.875	4.875	0.000	98	565907	10.0	9.25	
14 Pentane	43	5.041	5.041	0.000	98	373420	10.0	9.44	
15 Ethanol	45	5.159	5.159	0.000	95	244240	15.0	14.0	
16 Ethyl ether	59	5.383	5.383	0.000	90	121322	10.0	9.25	
17 Acrolein	56	5.587	5.587	0.000	97	61250	10.0	9.13	
18 1,1-Dichloroethene	96	5.769	5.769	0.000	94	237069	10.0	8.45	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.801	0.000	94	533040	10.0	9.39	
19 Acetone	43	5.833	5.833	0.000	100	329676	10.0	9.49	
22 Isopropyl alcohol	45	6.095	6.095	0.000	100	401990	10.0	9.50	
23 Carbon disulfide	76	6.154	6.154	0.000	100	737171	10.0	9.37	
24 Acetonitrile	41	6.287	6.287	0.000	98	140385	10.0	9.39	
25 3-Chloro-1-propene	41	6.400	6.400	0.000	98	301022	10.0	9.46	
26 Methylene Chloride	49	6.614	6.614	0.000	98	317051	10.0	9.43	
27 2-Methyl-2-propanol	59	6.822	6.822	0.000	95	455887	10.0	9.51	
28 Acrylonitrile	53	6.994	6.994	0.000	94	133002	10.0	9.41	
29 trans-1,2-Dichloroethene	61	7.101	7.101	0.000	95	384381	10.0	9.31	
30 Methyl tert-butyl ether	73	7.122	7.122	0.000	96	548166	10.0	8.81	
31 Hexane	57	7.609	7.609	0.000	90	327467	10.0	8.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.850	7.850	0.000	99	459787	10.0	9.60	
33 Vinyl acetate	43	7.860	7.860	0.000	100	536512	10.0	9.55	
34 2-Butanone (MEK)	72	8.818	8.818	0.000	99	96400	10.0	8.36	
35 cis-1,2-Dichloroethene	96	8.834	8.834	0.000	98	259837	10.0	9.39	
36 Ethyl acetate	88	8.909	8.909	0.000	99	12869	10.0	9.05	
* 37 Chlorobromomethane	128	9.246	9.246	0.000	95	261805	10.0	10.0	
38 Tetrahydrofuran	42	9.321	9.321	0.000	91	262237	10.0	8.82	
39 Chloroform	83	9.433	9.433	0.000	97	652837	10.0	9.31	
S 43 1,2-Dichloroethene, Total	61				0		20.0	18.7	
40 1,1,1-Trichloroethane	97	9.759	9.759	0.000	97	677565	10.0	8.56	
41 Cyclohexane	84	9.909	9.909	0.000	95	349907	10.0	8.53	
42 Carbon tetrachloride	117	10.054	10.054	0.000	98	699944	10.0	9.53	
44 Benzene	78	10.423	10.423	0.000	97	951793	10.0	8.95	
45 1,2-Dichloroethane	62	10.498	10.498	0.000	97	478410	10.0	9.01	
46 Isooctane	57	10.680	10.680	0.000	98	1548710	10.0	8.61	
47 n-Heptane	43	11.022	11.022	0.000	96	630264	10.0	8.60	
* 48 1,4-Difluorobenzene	114	11.236	11.236	0.000	95	1488405	10.0	10.0	
49 n-Butanol	56	11.546	11.546	0.000	94	245540	10.0	8.83	
50 Trichloroethene	95	11.723	11.723	0.000	93	560940	10.0	8.60	
51 1,2-Dichloropropane	63	12.226	12.226	0.000	91	382733	10.0	8.71	
54 Methyl methacrylate	69	12.354	12.354	0.000	91	294296	10.0	8.23	
55 1,4-Dioxane	88	12.397	12.397	0.000	93	194575	10.0	8.58	
53 Dibromomethane	174	12.391	12.391	0.000	91	419227	10.0	8.79	
56 Dichlorobromomethane	83	12.745	12.745	0.000	99	861944	10.0	9.02	
58 cis-1,3-Dichloropropene	75	13.638	13.638	0.000	96	641586	10.0	8.72	
59 4-Methyl-2-pentanone (MIBK)	43	13.954	13.954	0.000	98	775420	10.0	8.16	
60 Toluene	92	14.339	14.339	0.000	93	631305	10.0	8.76	
A 61 Toluene Range	92	14.339	(14.299-14.379)	0	2679949	NC	NC		
A 64 C8 Range	1	14.644	(14.594-14.694)	0	3105404	NC	NC		
63 n-Octane	43	14.644	14.644	0.000	96	869098	10.0	9.20	
65 trans-1,3-Dichloropropene	75	14.788	14.788	0.000	98	555983	10.0	8.69	
66 1,1,2-Trichloroethane	83	15.189	15.189	0.000	98	373330	10.0	8.99	
67 Tetrachloroethene	166	15.409	15.409	0.000	92	571454	10.0	9.11	
68 2-Hexanone	43	15.665	15.665	0.000	92	752924	10.0	8.60	
69 Chlorodibromomethane	129	15.970	15.970	0.000	97	815058	10.0	9.46	
70 Ethylene Dibromide	107	16.222	16.222	0.000	98	659036	10.0	9.05	
* 71 Chlorobenzene-d5	117	17.201	17.201	0.000	89	1325989	10.0	10.0	
72 Chlorobenzene	112	17.260	17.260	0.000	92	862036	10.0	9.02	
73 Ethylbenzene	91	17.479	17.479	0.000	99	1312749	10.0	8.39	
74 m-Xylene & p-Xylene	106	17.763	17.763	0.000	0	956216	20.0	17.9	
75 n-Nonane	57	17.854	17.854	0.000	93	633725	10.0	9.25	
76 o-Xylene	106	18.570	18.570	0.000	97	468125	10.0	8.41	
77 Styrene	104	18.608	18.608	0.000	99	735276	10.0	8.83	
78 Bromoform	173	18.966	18.966	0.000	94	720148	10.0	9.43	
79 Isopropylbenzene	105	19.335	19.335	0.000	97	1281776	10.0	8.67	
S 82 Xylenes, Total	106				0		30.0	26.3	
80 1,1,2,2-Tetrachloroethane	83	19.881	19.881	0.000	98	834508	10.0	8.50	
81 1,2,3-Trichloropropane	75	19.983	19.983	0.000	97	683682	10.0	8.72	
83 N-Propylbenzene	91	20.106	20.106	0.000	98	1546785	10.0	8.50	
84 2-Chlorotoluene	91	20.250	20.250	0.000	97	1044939	10.0	8.68	
85 4-Ethyltoluene	105	20.314	20.314	0.000	99	1194211	10.0	8.53	
86 1,3,5-Trimethylbenzene	105	20.416	20.416	0.000	92	985308	10.0	8.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.470	20.470	0.000	89	605928	10.0	8.76	
88 Alpha Methyl Styrene	118	20.758	20.758	0.000	85	499890	10.0	8.55	
89 tert-Butylbenzene	119	20.919	20.919	0.000	89	860985	10.0	8.22	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	99	984891	10.0	8.31	
91 sec-Butylbenzene	105	21.261	21.261	0.000	98	1330402	10.0	8.23	
92 1,3-Dichlorobenzene	146	21.427	21.427	0.000	98	704460	10.0	8.45	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	96	1023914	10.0	8.12	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	92	708051	10.0	8.42	
95 Benzyl chloride	91	21.727	21.727	0.000	97	1030754	10.0	8.84	
97 n-Butylbenzene	91	22.053	22.053	0.000	98	1015895	10.0	8.14	
96 1,2-Dichlorobenzene	146	22.074	22.074	0.000	93	674156	10.0	8.49	
98 Undecane	57	22.224	22.224	0.000	95	495155	10.0	8.24	
99 Dodecane	57	23.818	23.818	0.000	93	409239	10.0	8.44	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	94	482607	10.0	8.30	
101 Hexachlorobutadiene	225	24.781	24.781	0.000	97	373998	10.0	7.38	
102 Naphthalene	128	25.001	25.001	0.000	99	1176284	10.0	9.04	
103 1,2,3-Trichlorobenzene	180	25.413	25.413	0.000	94	404540	10.0	8.53	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00802

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 11-Mar-2023 11:11:52

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-007.D

Injection Date: 10-Mar-2023 14:38:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: icis

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

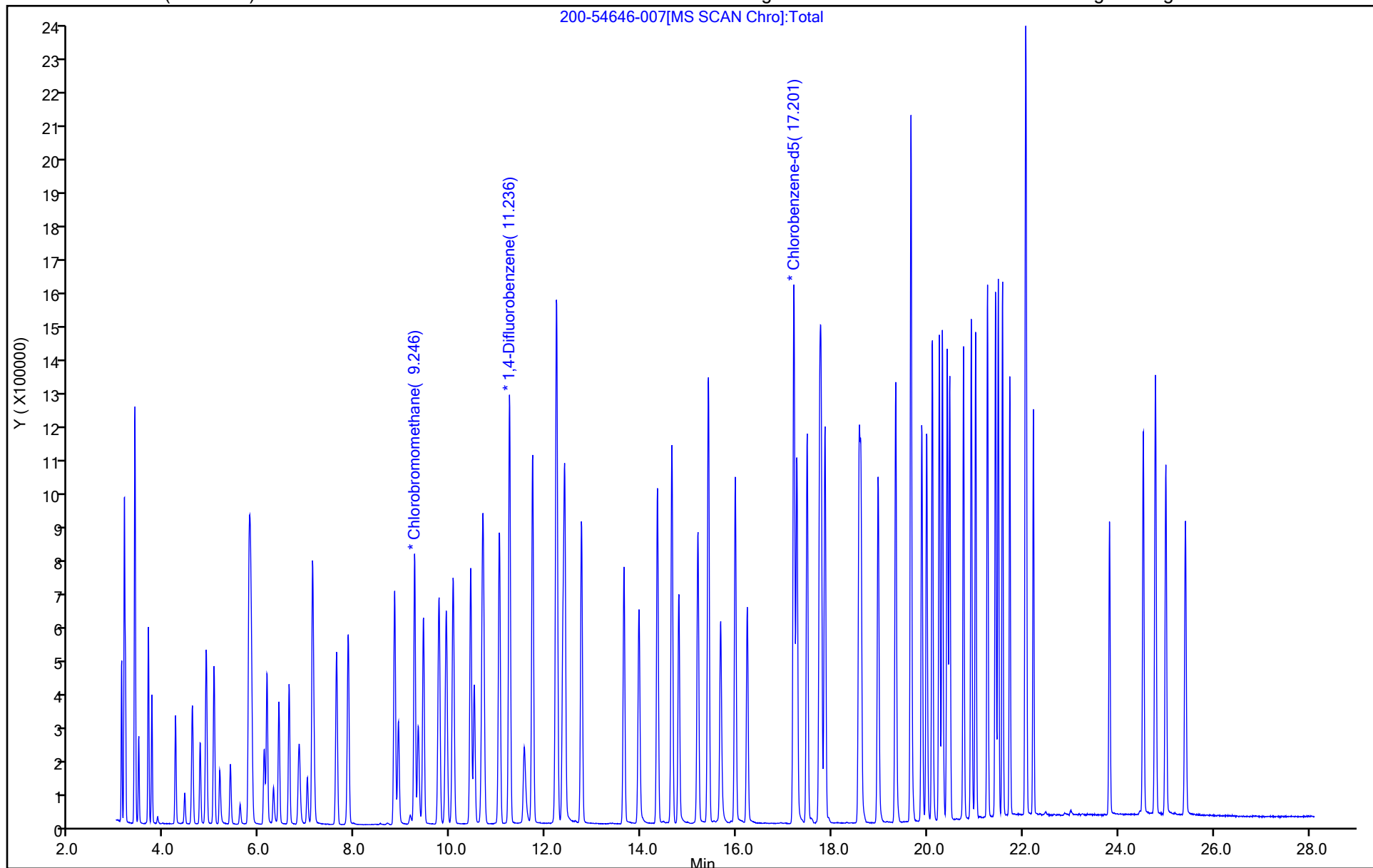
ALS Bottle#: 7

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230310-54646.b\200-54646-008.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 10-Mar-2023 15:31:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-008
 Misc. Info.: ic-6
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:19 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 11-Mar-2023 11:10:02

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	3.099	3.104	-0.005	97	312995	15.0	14.6	
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	1146812	15.0	13.9	
3 Chlorodifluoromethane	51	3.185	3.185	0.000	97	681858	15.0	14.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.383	3.383	0.000	96	1061646	15.0	13.8	
5 Chloromethane	50	3.463	3.463	0.000	99	371280	15.0	14.0	
6 Vinyl chloride	62	3.661	3.661	0.000	98	340507	15.0	13.3	
7 Butane	43	3.666	3.666	0.000	96	453590	15.0	13.8	
8 Butadiene	54	3.736	3.736	0.000	94	231378	15.0	12.9	
9 Bromomethane	94	4.233	4.233	0.000	98	311519	15.0	13.7	
10 Chloroethane	64	4.426	4.426	0.000	96	110676	15.0	13.5	
11 2-Methylbutane	43	4.586	4.586	0.000	90	267552	15.0	13.1	
12 Vinyl bromide	106	4.752	4.747	0.005	97	265250	15.0	13.4	
13 Trichlorofluoromethane	101	4.875	4.875	0.000	98	846533	15.0	13.6	
14 Pentane	43	5.041	5.041	0.000	97	571035	15.0	14.2	
15 Ethanol	45	5.159	5.159	0.000	95	312164	20.0	17.6	
16 Ethyl ether	59	5.383	5.383	0.000	91	191551	15.0	14.4	
17 Acrolein	56	5.587	5.587	0.000	97	98603	15.0	14.5	
18 1,1-Dichloroethene	96	5.769	5.769	0.000	95	355561	15.0	12.5	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.801	0.000	94	794875	15.0	13.8	
19 Acetone	43	5.833	5.833	0.000	100	504574	15.0	14.3	
22 Isopropyl alcohol	45	6.090	6.095	-0.005	100	593441	15.0	13.8	
23 Carbon disulfide	76	6.148	6.154	-0.006	100	1130083	15.0	14.1	
24 Acetonitrile	41	6.282	6.287	-0.005	98	224901	15.0	14.8	
25 3-Chloro-1-propene	41	6.400	6.400	0.000	98	459490	15.0	14.2	
26 Methylene Chloride	49	6.614	6.614	0.000	99	479049	15.0	14.0	
27 2-Methyl-2-propanol	59	6.823	6.822	0.001	95	676773	15.0	13.9	
28 Acrylonitrile	53	6.999	6.994	0.005	94	211042	15.0	14.7	
29 trans-1,2-Dichloroethene	61	7.101	7.101	0.000	95	577335	15.0	13.8	
30 Methyl tert-butyl ether	73	7.122	7.122	0.000	96	849025	15.0	13.4	
31 Hexane	57	7.609	7.609	0.000	89	495113	15.0	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.844	7.850	-0.006	99	688426	15.0	14.1	
33 Vinyl acetate	43	7.860	7.860	0.000	100	840347	15.0	14.7	
34 2-Butanone (MEK)	72	8.818	8.818	0.000	99	146441	15.0	12.5	
35 cis-1,2-Dichloroethene	96	8.834	8.834	0.000	97	391800	15.0	13.9	
36 Ethyl acetate	88	8.909	8.909	0.000	99	20247	15.0	14.0	
* 37 Chlorobromomethane	128	9.246	9.246	0.000	95	266188	10.0	10.0	
38 Tetrahydrofuran	42	9.321	9.321	0.000	92	395462	15.0	12.8	
39 Chloroform	83	9.433	9.433	0.000	97	986357	15.0	13.8	
S 43 1,2-Dichloroethene, Total	61				0		30.0	27.7	
40 1,1,1-Trichloroethane	97	9.760	9.759	0.001	97	1024268	15.0	12.5	
41 Cyclohexane	84	9.909	9.909	0.000	95	526866	15.0	12.4	
42 Carbon tetrachloride	117	10.054	10.054	0.000	97	1081020	15.0	14.2	
44 Benzene	78	10.423	10.423	0.000	97	1473422	15.0	13.4	
45 1,2-Dichloroethane	62	10.498	10.498	0.000	97	757582	15.0	13.8	
46 Isooctane	57	10.680	10.680	0.000	98	2345585	15.0	12.6	
47 n-Heptane	43	11.027	11.022	0.005	97	963899	15.0	12.7	
* 48 1,4-Difluorobenzene	114	11.236	11.236	0.000	95	1544200	10.0	10.0	
49 n-Butanol	56	11.541	11.546	-0.005	94	361975	15.0	12.5	
50 Trichloroethene	95	11.723	11.723	0.000	93	832533	15.0	12.3	
51 1,2-Dichloropropane	63	12.226	12.226	0.000	92	595202	15.0	13.1	
54 Methyl methacrylate	69	12.359	12.354	0.005	92	464590	15.0	12.5	
53 Dibromomethane	174	12.397	12.391	0.006	92	637517	15.0	12.9	
55 1,4-Dioxane	88	12.392	12.397	-0.005	50	291064	15.0	12.4	
56 Dichlorobromomethane	83	12.745	12.745	0.000	98	1329052	15.0	13.4	
58 cis-1,3-Dichloropropene	75	13.638	13.638	0.000	96	1019615	15.0	13.4	
59 4-Methyl-2-pentanone (MIBK)	43	13.948	13.954	-0.006	98	1206767	15.0	12.2	
A 61 Toluene Range	92	14.339	(14.299-14.379)	0	4147070	NC	NC		
60 Toluene	92	14.339	14.339	0.000	93	977603	15.0	13.5	
A 64 C8 Range	1	14.644	(14.594-14.694)	0	4745225	NC	NC		
63 n-Octane	43	14.644	14.644	0.000	96	1331688	15.0	13.6	
65 trans-1,3-Dichloropropene	75	14.788	14.788	0.000	98	878995	15.0	13.2	
66 1,1,2-Trichloroethane	83	15.189	15.189	0.000	98	570779	15.0	13.7	
67 Tetrachloroethene	166	15.409	15.409	0.000	92	861868	15.0	13.7	
68 2-Hexanone	43	15.660	15.665	-0.005	92	1168627	15.0	13.3	
69 Chlorodibromomethane	129	15.971	15.970	0.001	98	1288202	15.0	14.9	
70 Ethylene Dibromide	107	16.222	16.222	0.000	98	1014454	15.0	13.9	
* 71 Chlorobenzene-d5	117	17.201	17.201	0.000	89	1329410	10.0	10.0	
72 Chlorobenzene	112	17.265	17.260	0.005	92	1316216	15.0	13.7	
73 Ethylbenzene	91	17.479	17.479	0.000	99	2074398	15.0	13.2	
74 m-Xylene & p-Xylene	106	17.757	17.763	-0.006	0	1493345	30.0	27.8	
75 n-Nonane	57	17.854	17.854	0.000	93	972900	15.0	14.2	
76 o-Xylene	106	18.571	18.570	0.000	97	733168	15.0	13.1	
77 Styrene	104	18.608	18.608	0.000	99	1169307	15.0	14.0	
78 Bromoform	173	18.966	18.966	0.000	94	1159201	15.0	15.1	
79 Isopropylbenzene	105	19.336	19.335	0.001	97	2005797	15.0	13.5	
S 82 Xylenes, Total	106				0		45.0	41.0	
80 1,1,2,2-Tetrachloroethane	83	19.881	19.881	0.000	98	1298253	15.0	13.2	
81 1,2,3-Trichloropropane	75	19.988	19.983	0.005	97	1066524	15.0	13.6	
83 N-Propylbenzene	91	20.106	20.106	0.000	98	2436499	15.0	13.4	
84 2-Chlorotoluene	91	20.250	20.250	0.000	97	1636569	15.0	13.6	
85 4-Ethyltoluene	105	20.315	20.314	0.000	99	1870005	15.0	13.3	
86 1,3,5-Trimethylbenzene	105	20.416	20.416	0.000	91	1549544	15.0	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.470	20.470	0.000	90	979645	15.0	14.1	
88 Alpha Methyl Styrene	118	20.759	20.758	0.001	87	806842	15.0	13.8	
89 tert-Butylbenzene	119	20.919	20.919	0.000	89	1362744	15.0	13.0	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	98	1547258	15.0	13.0	
91 sec-Butylbenzene	105	21.261	21.261	0.000	98	2119324	15.0	13.1	
92 1,3-Dichlorobenzene	146	21.427	21.427	0.000	98	1117249	15.0	13.4	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	96	1639586	15.0	13.0	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	92	1121794	15.0	13.3	
95 Benzyl chloride	91	21.727	21.727	0.000	97	1634201	15.0	14.0	
97 n-Butylbenzene	91	22.053	22.053	0.000	98	1635837	15.0	13.1	
96 1,2-Dichlorobenzene	146	22.075	22.074	0.001	96	1059900	15.0	13.3	
98 Undecane	57	22.224	22.224	0.000	95	860479	15.0	14.3	
99 Dodecane	57	23.819	23.818	0.001	93	702127	15.0	14.4	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	94	794546	15.0	13.6	
101 Hexachlorobutadiene	225	24.782	24.781	0.001	97	647516	15.0	12.7	
102 Naphthalene	128	25.001	25.001	0.000	99	1871963	15.0	14.3	
103 1,2,3-Trichlorobenzene	180	25.413	25.413	0.000	94	646389	15.0	13.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00129

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 11-Mar-2023 11:11:20

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-008.D

Injection Date: 10-Mar-2023 15:31:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

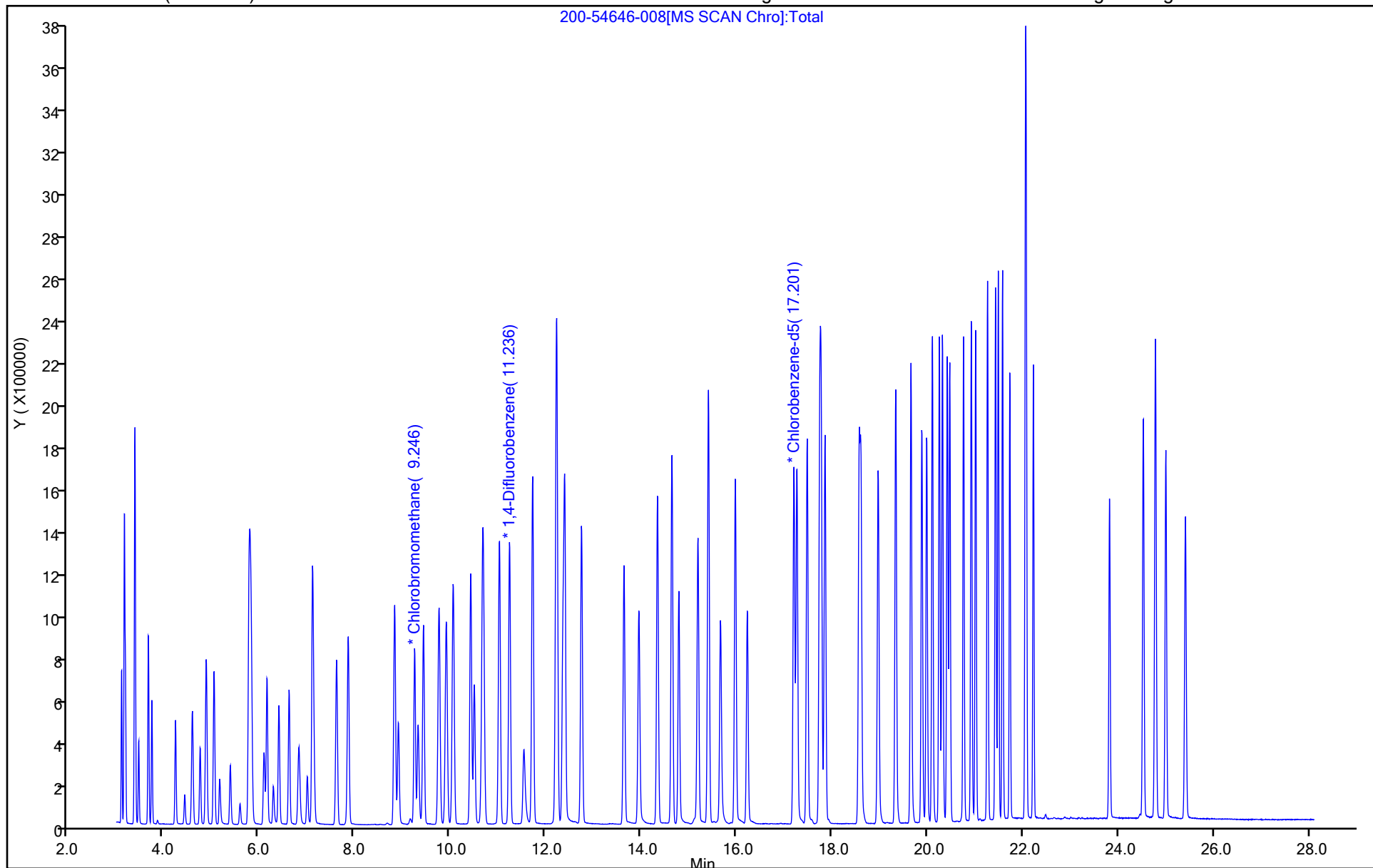
ALS Bottle#: 8

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230310-54646.b\200-54646-011.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 10-Mar-2023 18:13:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-011
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:21 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 11-Mar-2023 10:05:15

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	3.104	3.104	0.000	97	412069	20.0	20.1	
2 Dichlorodifluoromethane	85	3.163	3.158	0.005	100	1514548	20.0	19.2	
3 Chlorodifluoromethane	51	3.185	3.185	0.000	97	881244	20.0	19.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.383	3.383	0.000	96	1382680	20.0	18.8	
5 Chloromethane	50	3.463	3.463	0.000	99	489806	20.0	19.3	
6 Vinyl chloride	62	3.661	3.661	0.000	98	452133	20.0	18.5	
7 Butane	43	3.666	3.666	0.000	95	602240	20.0	19.1	
8 Butadiene	54	3.736	3.736	0.000	95	304954	20.0	17.8	
9 Bromomethane	94	4.233	4.233	0.000	98	425812	20.0	19.5	
10 Chloroethane	64	4.426	4.426	0.000	96	153739	20.0	19.6	
11 2-Methylbutane	43	4.586	4.586	0.000	90	364254	20.0	18.6	
12 Vinyl bromide	106	4.752	4.747	0.005	98	369526	20.0	19.5	
13 Trichlorofluoromethane	101	4.881	4.875	0.006	98	1145850	20.0	19.3	
14 Pentane	43	5.041	5.041	0.000	97	740268	20.0	19.2	
15 Ethanol	45	5.159	5.159	0.000	95	660034	40.0	38.8	
16 Ethyl ether	59	5.378	5.383	-0.005	91	259225	20.0	20.3	
17 Acrolein	56	5.581	5.587	-0.006	97	139078	20.0	21.3	
18 1,1-Dichloroethene	96	5.774	5.769	0.005	98	473902	20.0	17.4	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.801	0.000	95	1046195	20.0	18.9	
19 Acetone	43	5.833	5.833	0.000	100	686375	20.0	20.3	
22 Isopropyl alcohol	45	6.090	6.095	-0.005	100	811069	20.0	19.7	
23 Carbon disulfide	76	6.154	6.154	0.000	100	1491360	20.0	19.5	
24 Acetonitrile	41	6.282	6.287	-0.005	98	297152	20.0	20.4	
25 3-Chloro-1-propene	41	6.400	6.400	0.000	98	605127	20.0	19.5	
26 Methylene Chloride	49	6.614	6.614	0.000	98	628592	20.0	19.2	
27 2-Methyl-2-propanol	59	6.817	6.822	-0.005	95	917508	20.0	19.7	
28 Acrylonitrile	53	6.994	6.994	0.000	92	281526	20.0	20.5	
29 trans-1,2-Dichloroethene	61	7.106	7.101	0.005	95	760352	20.0	18.9	
30 Methyl tert-butyl ether	73	7.122	7.122	0.000	96	1177740	20.0	19.5	
31 Hexane	57	7.609	7.609	0.000	90	658263	20.0	18.5	
32 1,1-Dichloroethane	63	7.850	7.850	0.000	99	910305	20.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Vinyl acetate	43	7.860	7.860	0.000	100	1121869	20.0	20.5	
34 2-Butanone (MEK)	72	8.818	8.818	0.000	99	208147	20.0	18.6	
35 cis-1,2-Dichloroethene	96	8.834	8.834	0.000	97	528093	20.0	19.6	
36 Ethyl acetate	88	8.904	8.909	-0.005	99	28891	20.0	20.9	
* 37 Chlorobromomethane	128	9.251	9.246	0.005	94	254748	10.0	10.0	
38 Tetrahydrofuran	42	9.321	9.321	0.000	91	547308	20.0	20.6	
39 Chloroform	83	9.433	9.433	0.000	97	1326694	20.0	19.5	
S 43 1,2-Dichloroethene, Total	61				0		40.0	38.5	
40 1,1,1-Trichloroethane	97	9.760	9.759	0.001	96	1376445	20.0	19.5	
41 Cyclohexane	84	9.915	9.909	0.006	95	705479	20.0	19.3	
42 Carbon tetrachloride	117	10.059	10.054	0.005	98	1455319	20.0	22.2	
44 Benzene	78	10.428	10.423	0.005	97	1828132	20.0	19.3	
45 1,2-Dichloroethane	62	10.498	10.498	0.000	97	946561	20.0	20.0	
46 Isooctane	57	10.680	10.680	0.000	98	3198884	20.0	19.9	
47 n-Heptane	43	11.027	11.022	0.005	96	1309591	20.0	20.0	
* 48 1,4-Difluorobenzene	114	11.236	11.236	0.000	95	1327659	10.0	10.0	
49 n-Butanol	56	11.530	11.546	-0.016	94	505625	20.0	20.4	
50 Trichloroethene	95	11.723	11.723	0.000	93	1157739	20.0	19.9	
51 1,2-Dichloropropane	63	12.231	12.226	0.005	89	794388	20.0	20.3	
54 Methyl methacrylate	69	12.354	12.354	0.000	91	653122	20.0	20.5	
53 Dibromomethane	174	12.397	12.391	0.006	96	856370	20.0	20.1	
55 1,4-Dioxane	88	12.392	12.397	-0.005	97	396897	20.0	19.6	
56 Dichlorobromomethane	83	12.750	12.745	0.005	98	1777679	20.0	20.9	
58 cis-1,3-Dichloropropene	75	13.638	13.638	0.000	96	1352359	20.0	20.6	
59 4-Methyl-2-pentanone (MIBK)	43	13.948	13.954	-0.006	98	1723319	20.0	20.3	
A 61 Toluene Range	92	14.339	(14.299-14.379)		0	5620499	NC	NC	
60 Toluene	92	14.339	14.339	0.000	93	1331207	20.0	19.8	
A 64 C8 Range	1	14.644	(14.594-14.694)		0	6389087	NC	NC	
63 n-Octane	43	14.644	14.644	0.000	95	1788206	20.0	21.2	
65 trans-1,3-Dichloropropene	75	14.788	14.788	0.000	98	1186512	20.0	20.8	
66 1,1,2-Trichloroethane	83	15.189	15.189	0.000	98	781095	20.0	20.2	
67 Tetrachloroethene	166	15.409	15.409	0.000	92	1192851	20.0	20.4	
68 2-Hexanone	43	15.660	15.665	-0.005	92	1646213	20.0	20.2	
69 Chlorodibromomethane	129	15.976	15.970	0.006	98	1714783	20.0	21.4	
70 Ethylene Dibromide	107	16.222	16.222	0.000	98	1397220	20.0	20.6	
* 71 Chlorobenzene-d5	117	17.201	17.201	0.000	89	1234219	10.0	10.0	
72 Chlorobenzene	112	17.265	17.260	0.005	92	1809194	20.0	20.3	
73 Ethylbenzene	91	17.479	17.479	0.000	99	2843111	20.0	19.5	
74 m-Xylene & p-Xylene	106	17.757	17.763	-0.006	0	2055987	40.0	41.3	
75 n-Nonane	57	17.854	17.854	0.000	93	1327818	20.0	20.8	
76 o-Xylene	106	18.570	18.570	0.000	97	1010880	20.0	19.5	
77 Styrene	104	18.608	18.608	0.000	99	1608676	20.0	20.8	
78 Bromoform	173	18.966	18.966	0.000	94	1591835	20.0	22.4	
79 Isopropylbenzene	105	19.335	19.335	0.000	97	2806179	20.0	20.4	
S 82 Xylenes, Total	106				0		60.0	60.8	
80 1,1,2,2-Tetrachloroethane	83	19.881	19.881	0.000	98	1794076	20.0	19.6	
81 1,2,3-Trichloropropane	75	19.988	19.983	0.005	97	1489963	20.0	20.4	
83 N-Propylbenzene	91	20.106	20.106	0.000	98	3423331	20.0	20.2	
84 2-Chlorotoluene	91	20.250	20.250	0.000	97	2254683	20.0	20.1	
85 4-Ethyltoluene	105	20.314	20.314	0.000	99	2639385	20.0	20.2	
86 1,3,5-Trimethylbenzene	105	20.416	20.416	0.000	92	2197907	20.0	20.2	
87 n-Decane	57	20.470	20.470	0.000	90	1322994	20.0	20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 Alpha Methyl Styrene	118	20.759	20.758	0.001	85	1135212	20.0	20.9	
89 tert-Butylbenzene	119	20.924	20.919	0.005	90	1930339	20.0	19.8	
90 1,2,4-Trimethylbenzene	105	21.015	21.010	0.005	99	2163981	20.0	19.6	
91 sec-Butylbenzene	105	21.261	21.261	0.000	98	2969669	20.0	19.7	
92 1,3-Dichlorobenzene	146	21.433	21.427	0.006	98	1535084	20.0	19.8	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	96	2329488	20.0	19.8	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	92	1540795	20.0	19.7	
95 Benzyl chloride	91	21.727	21.727	0.000	97	2271839	20.0	20.9	
97 n-Butylbenzene	91	22.053	22.053	0.000	98	2279143	20.0	19.6	
96 1,2-Dichlorobenzene	146	22.075	22.074	0.001	94	1424963	20.0	19.3	
98 Undecane	57	22.224	22.224	0.000	95	985732	20.0	17.6	
99 Dodecane	57	23.819	23.818	0.001	93	450068	20.0	9.97	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	94	961523	20.0	17.8	
101 Hexachlorobutadiene	225	24.781	24.781	0.000	97	827556	20.0	17.5	
102 Naphthalene	128	25.001	25.001	0.000	99	1958525	20.0	16.2	
103 1,2,3-Trichlorobenzene	180	25.413	25.413	0.000	95	716396	20.0	16.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00217

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 11-Mar-2023 11:11:21

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-011.D

Injection Date: 10-Mar-2023 18:13:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

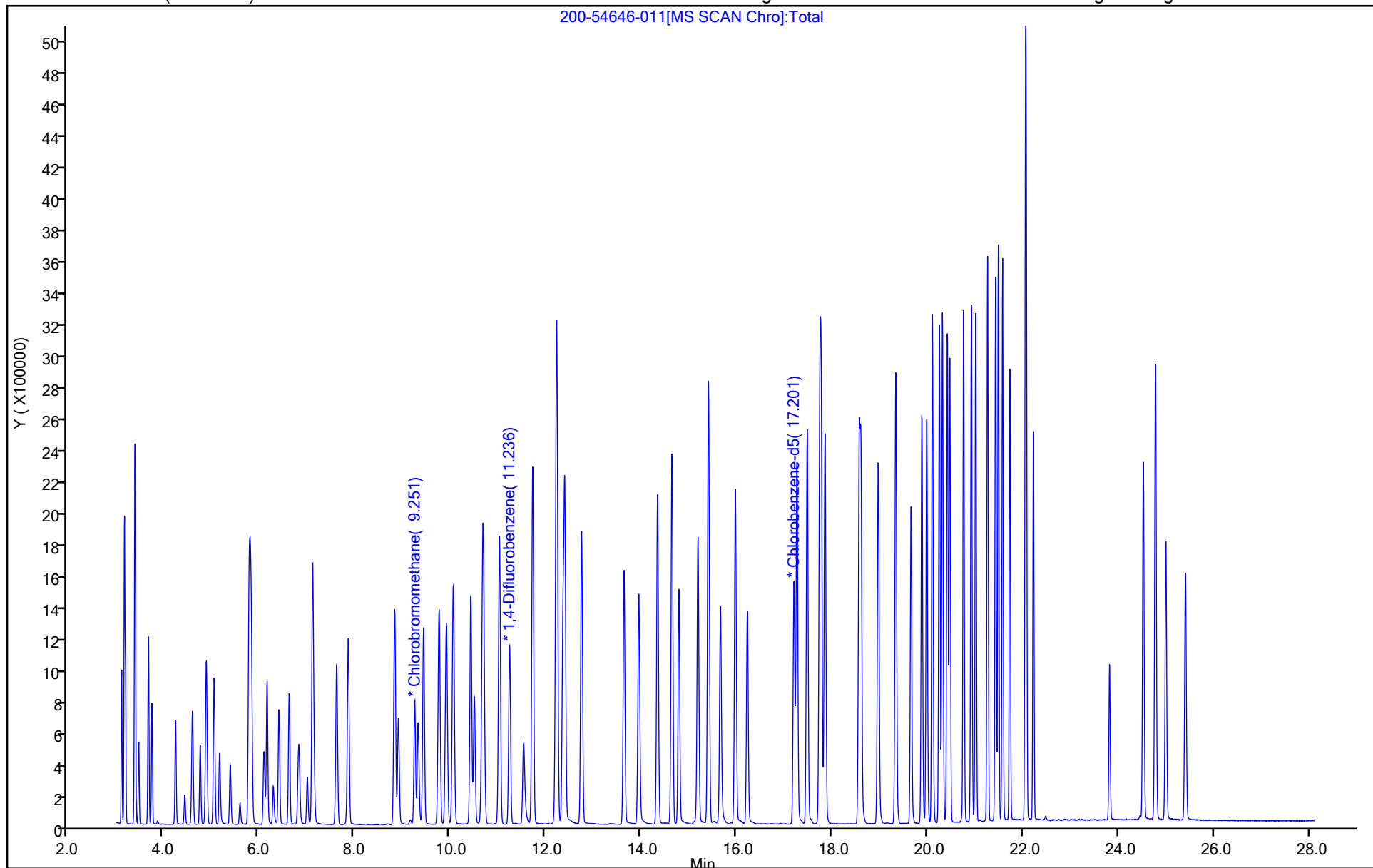
ALS Bottle#: 11

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230310-54646.b\200-54646-012.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 10-Mar-2023 19:06:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-012
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:22 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 11-Mar-2023 10:09:03

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	3.099	3.104	-0.005	97	791445	40.0	40.9	
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	2814240	40.0	37.9	
3 Chlorodifluoromethane	51	3.179	3.185	-0.006	97	1647817	40.0	38.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.377	3.383	-0.006	95	2517194	40.0	36.3	
5 Chloromethane	50	3.458	3.463	-0.005	99	945497	40.0	39.6	
6 Vinyl chloride	62	3.661	3.661	0.000	98	853165	40.0	37.1	
7 Butane	43	3.666	3.666	0.000	95	1152439	40.0	38.8	
8 Butadiene	54	3.736	3.736	0.000	94	583578	40.0	36.1	
9 Bromomethane	94	4.233	4.233	0.000	98	798184	40.0	38.9	
10 Chloroethane	64	4.426	4.426	0.000	96	295606	40.0	40.1	
11 2-Methylbutane	43	4.586	4.586	0.000	90	690501	40.0	37.5	
12 Vinyl bromide	106	4.747	4.747	0.000	98	696143	40.0	39.0	
13 Trichlorofluoromethane	101	4.881	4.875	0.006	98	2138490	40.0	38.2	
14 Pentane	43	5.041	5.041	0.000	97	1409983	40.0	38.9	
15 Ethanol	45	5.159	5.159	0.000	95	1559386	100.0	97.3	
16 Ethyl ether	59	5.378	5.383	-0.005	91	498973	40.0	41.5	
17 Acrolein	56	5.581	5.587	-0.006	97	282917	40.0	46.0	
18 1,1-Dichloroethene	96	5.769	5.769	0.000	95	895705	40.0	34.8	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.801	0.000	95	1913568	40.0	36.8	
19 Acetone	43	5.828	5.833	-0.005	100	1311208	40.0	41.2	
22 Isopropyl alcohol	45	6.090	6.095	-0.005	100	1620103	40.0	41.8	
23 Carbon disulfide	76	6.154	6.154	0.000	100	2789475	40.0	38.7	
24 Acetonitrile	41	6.282	6.287	-0.005	98	594387	40.0	43.4	
25 3-Chloro-1-propene	41	6.400	6.400	0.000	97	1163109	40.0	39.9	
26 Methylene Chloride	49	6.614	6.614	0.000	98	1198272	40.0	38.9	
27 2-Methyl-2-propanol	59	6.823	6.822	0.001	95	1866758	40.0	42.5	
28 Acrylonitrile	53	6.994	6.994	0.000	93	561390	40.0	43.4	
29 trans-1,2-Dichloroethene	61	7.106	7.101	0.005	95	1403431	40.0	37.1	
30 Methyl tert-butyl ether	73	7.122	7.122	0.000	96	2283778	40.0	40.1	
31 Hexane	57	7.614	7.609	0.005	89	1249633	40.0	37.3	
32 1,1-Dichloroethane	63	7.850	7.850	0.000	100	1634159	40.0	37.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Vinyl acetate	43	7.860	7.860	0.000	100	2166710	40.0	42.1	
34 2-Butanone (MEK)	72	8.818	8.818	0.000	99	403500	40.0	38.2	
35 cis-1,2-Dichloroethene	96	8.834	8.834	0.000	97	983408	40.0	38.8	
36 Ethyl acetate	88	8.909	8.909	0.000	99	56489	40.0	43.4	
* 37 Chlorobromomethane	128	9.251	9.246	0.005	95	239893	10.0	10.0	
38 Tetrahydrofuran	42	9.316	9.321	-0.005	91	1111281	40.0	47.8	
39 Chloroform	83	9.439	9.433	0.006	97	2510305	40.0	39.1	
S 43 1,2-Dichloroethene, Total	61				0		80.0	75.9	
40 1,1,1-Trichloroethane	97	9.765	9.759	0.006	97	2640833	40.0	42.7	
41 Cyclohexane	84	9.915	9.909	0.006	95	1342001	40.0	41.8	
42 Carbon tetrachloride	117	10.059	10.054	0.005	97	2859810	40.0	49.8	
44 Benzene	78	10.428	10.423	0.005	97	3455719	40.0	41.6	
45 1,2-Dichloroethane	62	10.503	10.498	0.005	97	1833539	40.0	44.2	
46 Isooctane	57	10.685	10.680	0.005	97	6064201	40.0	43.1	
47 n-Heptane	43	11.027	11.022	0.005	96	2516878	40.0	44.0	
* 48 1,4-Difluorobenzene	114	11.241	11.236	0.005	96	1163430	10.0	10.0	
49 n-Butanol	56	11.530	11.546	-0.016	94	1027215	40.0	47.2	
50 Trichloroethene	95	11.723	11.723	0.000	93	2171526	40.0	42.6	
51 1,2-Dichloropropane	63	12.231	12.226	0.005	87	1505294	40.0	43.8	
54 Methyl methacrylate	69	12.360	12.354	0.006	90	1304906	40.0	46.7	
53 Dibromomethane	174	12.397	12.391	0.006	92	1561988	40.0	41.9	
55 1,4-Dioxane	88	12.392	12.397	-0.005	96	750173	40.0	42.3	
56 Dichlorobromomethane	83	12.750	12.745	0.005	98	3329772	40.0	44.6	
58 cis-1,3-Dichloropropene	75	13.643	13.638	0.005	97	2638857	40.0	45.9	
59 4-Methyl-2-pentanone (MIBK)	43	13.948	13.954	-0.006	98	3543887	40.0	47.7	
A 61 Toluene Range	92	14.339	(14.299-14.379)		0	10815563	NC	NC	
60 Toluene	92	14.344	14.339	0.005	93	2559335	40.0	41.8	
A 64 C8 Range	1	14.644	(14.594-14.694)		0	12103668	NC	NC	
63 n-Octane	43	14.644	14.644	0.000	95	3365783	40.0	45.6	
65 trans-1,3-Dichloropropene	75	14.794	14.788	0.006	98	2371671	40.0	47.4	
66 1,1,2-Trichloroethane	83	15.195	15.189	0.006	98	1510251	40.0	42.8	
67 Tetrachloroethene	166	15.414	15.409	0.005	93	2263941	40.0	42.5	
68 2-Hexanone	43	15.660	15.665	-0.005	92	3438352	40.0	46.3	
69 Chlorodibromomethane	129	15.976	15.970	0.006	98	3294711	40.0	45.0	
70 Ethylene Dibromide	107	16.227	16.222	0.005	98	2700465	40.0	43.7	
* 71 Chlorobenzene-d5	117	17.206	17.201	0.005	91	1125572	10.0	10.0	
72 Chlorobenzene	112	17.265	17.260	0.005	92	3494055	40.0	43.1	
73 Ethylbenzene	91	17.485	17.479	0.006	99	5593707	40.0	42.1	
74 m-Xylene & p-Xylene	106	17.763	17.763	0.000	0	3944897	80.0	86.9	
75 n-Nonane	57	17.854	17.854	0.000	94	2600952	40.0	44.7	
76 o-Xylene	106	18.571	18.570	0.001	98	1979058	40.0	41.9	
77 Styrene	104	18.613	18.608	0.005	98	3115723	40.0	44.1	
78 Bromoform	173	18.972	18.966	0.006	94	3120640	40.0	48.1	
79 Isopropylbenzene	105	19.341	19.335	0.006	97	5636287	40.0	44.9	
S 82 Xylenes, Total	106				0		120.0	128.8	
80 1,1,2,2-Tetrachloroethane	83	19.887	19.881	0.006	99	3617266	40.0	43.4	
81 1,2,3-Trichloropropane	75	19.988	19.983	0.005	97	3006472	40.0	45.2	
83 N-Propylbenzene	91	20.106	20.106	0.000	98	7141589	40.0	46.2	
84 2-Chlorotoluene	91	20.256	20.250	0.006	97	4546113	40.0	44.5	
85 4-Ethyltoluene	105	20.320	20.314	0.006	98	5522373	40.0	46.4	
86 1,3,5-Trimethylbenzene	105	20.422	20.416	0.006	91	4653856	40.0	46.9	
87 n-Decane	57	20.475	20.470	0.005	90	2982431	40.0	50.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 Alpha Methyl Styrene	118	20.759	20.758	0.001	86	2404948	40.0	48.5	
89 tert-Butylbenzene	119	20.924	20.919	0.005	89	4076526	40.0	45.9	
90 1,2,4-Trimethylbenzene	105	21.015	21.010	0.005	99	4586866	40.0	45.6	
91 sec-Butylbenzene	105	21.267	21.261	0.006	98	6364161	40.0	46.4	
92 1,3-Dichlorobenzene	146	21.433	21.427	0.006	98	3223985	40.0	45.6	
93 4-Isopropyltoluene	119	21.491	21.486	0.005	96	5164773	40.0	48.2	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	92	3226748	40.0	45.2	
95 Benzyl chloride	91	21.732	21.727	0.005	97	4772568	40.0	48.2	
97 n-Butylbenzene	91	22.059	22.053	0.006	99	5008071	40.0	47.3	
96 1,2-Dichlorobenzene	146	22.075	22.074	0.001	96	2886207	40.0	42.8	
98 Undecane	57	22.224	22.224	0.000	95	2994292	40.0	58.7	
99 Dodecane	57	23.819	23.818	0.001	93	2708908	40.0	65.8	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	95	2755190	40.0	55.8	
101 Hexachlorobutadiene	225	24.787	24.781	0.006	97	2214784	40.0	51.5	
102 Naphthalene	128	25.001	25.001	0.000	98	5912634	40.0	53.5	
103 1,2,3-Trichlorobenzene	180	25.413	25.413	0.000	95	2167161	40.0	53.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00129

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 11-Mar-2023 11:11:22

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D

Injection Date: 10-Mar-2023 19:06:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

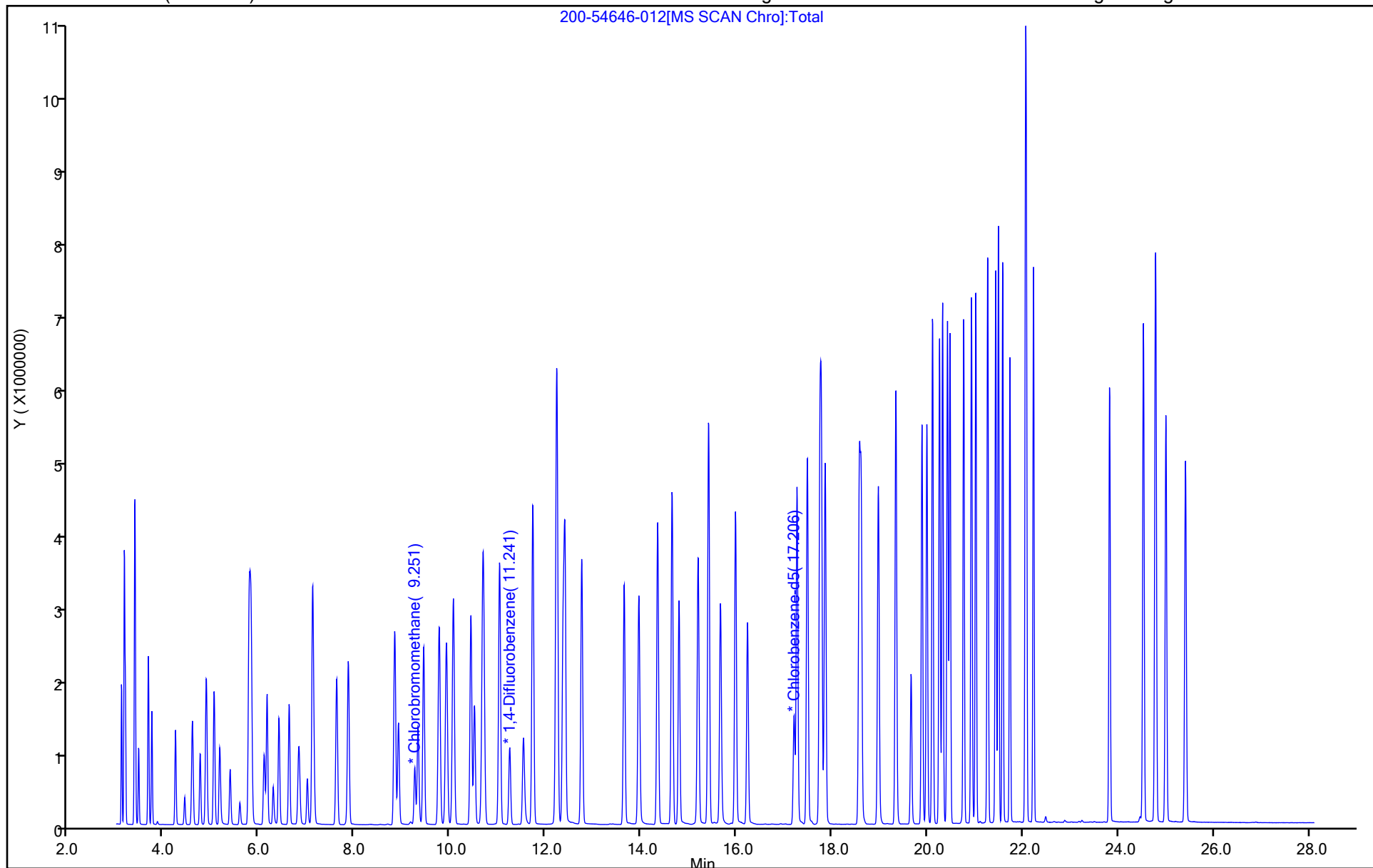
ALS Bottle#: 12

Method: TO15_MasterMethod_(v1)_G

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.: 200-67137-1
 SDG No.: 200-67137
 Lab Sample ID: ICV 200-189231/14 Calibration Date: 03/10/2023 20:51
 Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06
 Lab File ID: 200-54646-014.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	0.8062	0.8605		10.7	10.0	6.7	30.0
Dichlorodifluoromethane	Ave	3.098	3.204		10.3	10.0	3.4	30.0
Freon 22	Ave	1.789	1.858		10.4	10.0	3.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.887	2.972		10.3	10.0	2.9	30.0
Chloromethane	Ave	0.996	1.011		10.2	10.0	1.6	30.0
n-Butane	Ave	1.239	1.309		10.6	10.0	5.6	30.0
Vinyl chloride	Ave	0.9591	0.9810		10.2	10.0	2.3	30.0
1,3-Butadiene	Ave	0.6743	0.6419		9.52	10.0	-4.8	30.0
Bromomethane	Ave	0.8552	0.8728		10.2	10.0	2.1	30.0
Chloroethane	Ave	0.3074	0.3050		9.92	10.0	-0.8	30.0
Isopentane	Ave	0.7673	0.7509		9.79	10.0	-2.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.7444	0.7600		10.2	10.0	2.1	30.0
Trichlorofluoromethane	Ave	2.336	2.374		10.2	10.0	1.6	30.0
n-Pentane	Ave	1.511	1.560		10.3	10.0	3.3	30.0
Ethanol	Ave	0.6678	0.7297		16.0	14.7	9.3	30.0
Ethyl ether	Ave	0.5010	0.4972		9.92	10.0	-0.8	30.0
Acrolein	Ave	0.2561	0.2563		10.0	10.0	0.0	30.0
1,1-Dichloroethene	Ave	1.072	1.032		9.63	10.0	-3.7	30.0
Freon TF	Ave	2.167	2.202		10.2	10.0	1.6	30.0
Acetone	Ave	1.326	1.410		10.6	10.0	6.3	30.0
Isopropyl alcohol	Ave	1.616	1.783		11.0	10.0	10.3	30.0
Carbon disulfide	Ave	3.005	3.156		10.5	10.0	5.0	30.0
Acetonitrile	Ave	0.5711	0.5782		10.1	10.0	1.2	30.0
3-Chloropropene	Ave	1.215	1.194		9.82	10.0	-1.7	30.0
Methylene Chloride	Ave	1.284	1.282		9.98	10.0	-0.1	30.0
tert-Butyl alcohol	Ave	1.831	2.095		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5397	0.5310		9.84	10.0	-1.6	30.0
trans-1,2-Dichloroethene	Ave	1.577	1.580		10.0	10.0	0.2	30.0
Methyl tert-butyl ether	Ave	2.377	2.364		9.95	10.0	-0.5	30.0
n-Hexane	Ave	1.396	1.353		9.69	10.0	-3.1	30.0
1,1-Dichloroethane	Ave	1.830	1.844		10.1	10.0	0.7	30.0
Vinyl acetate	Ave	2.146	1.994		9.29	10.0	-7.1	30.0
Methyl Ethyl Ketone	Ave	0.4403	0.4060		9.22	10.0	-7.8	30.0
cis-1,2-Dichloroethene	Ave	1.057	1.058		10.0	10.0	0.0	30.0
Ethyl acetate	Ave	0.0543	0.0546		10.1	10.0	0.6	30.0
Tetrahydrofuran	Ave	0.1999	0.2075		10.4	10.0	3.8	30.0
Chloroform	Ave	2.677	2.660		9.93	10.0	-0.7	30.0
1,1,1-Trichloroethane	Ave	0.5317	0.5296		9.96	10.0	-0.4	30.0
Cyclohexane	Ave	0.2757	0.2768		10.0	10.0	0.4	30.0
Carbon tetrachloride	Ave	0.4936	0.5508		11.2	10.0	11.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Lab Sample ID: ICV 200-189231/14 Calibration Date: 03/10/2023 20:51

Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06

Lab File ID: 200-54646-014.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	0.7142	0.6731		9.42	10.0	-5.7	30.0
1,2-Dichloroethane	Ave	0.3566	0.3475		9.74	10.0	-2.6	30.0
2,2,4-Trimethylpentane	Ave	1.209	1.212		10.0	10.0	0.3	30.0
n-Heptane	Ave	0.4921	0.4912		9.98	10.0	-0.2	30.0
n-Butanol	Ave	0.1869	0.2175		11.6	10.0	16.4	30.0
Trichloroethene	Ave	0.4383	0.4480		10.2	10.0	2.2	30.0
1,2-Dichloropropane	Ave	0.2954	0.2919		9.88	10.0	-1.2	30.0
Methyl methacrylate	Ave	0.2404	0.2361		9.82	10.0	-1.8	30.0
1,4-Dioxane	Ave	0.1523	0.1738		11.4	10.0	14.1	30.0
Dibromomethane	Ave	0.3206	0.3273		10.2	10.0	2.1	30.0
Bromodichloromethane	Ave	0.6419	0.6482		10.1	10.0	1.0	30.0
cis-1,3-Dichloropropene	Ave	0.4941	0.4953		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.6388	0.6600		10.3	10.0	3.3	30.0
Toluene	Ave	0.5437	0.5115		9.41	10.0	-5.9	30.0
n-Octane	Ave	0.6349	0.6507		10.2	10.0	2.5	30.0
trans-1,3-Dichloropropene	Ave	0.4300	0.4251		9.88	10.0	-1.1	30.0
1,1,2-Trichloroethane	Ave	0.3133	0.2971		9.48	10.0	-5.2	30.0
Tetrachloroethene	Ave	0.4732	0.4784		10.1	10.0	1.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6603	0.6662		10.1	10.0	0.9	30.0
Dibromochloromethane	Ave	0.6501	0.6473		9.96	10.0	-0.4	30.0
1,2-Dibromoethane	Ave	0.5495	0.5402		9.83	10.0	-1.7	30.0
Chlorobenzene	Ave	0.7209	0.7071		9.81	10.0	-1.9	30.0
Ethylbenzene	Ave	1.180	1.097		9.29	10.0	-7.0	30.0
m,p-Xylene	Ave	0.4035	0.3981		19.7	20.0	-1.3	30.0
n-Nonane	Ave	0.5169	0.5065		9.80	10.0	-2.0	30.0
Xylene, o-	Ave	0.4198	0.3920		9.34	10.0	-6.6	30.0
Styrene	Ave	0.6281	0.6108		9.72	10.0	-2.8	30.0
Bromoform	Ave	0.5761	0.6069		10.5	10.0	5.3	30.0
Cumene	Ave	1.115	1.086		9.73	10.0	-2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7406	0.7063		9.54	10.0	-4.6	30.0
1,2,3-Trichloropropane	Ave	0.5913	0.5799		9.81	10.0	-1.9	30.0
n-Propylbenzene	Ave	1.373	1.317		9.60	10.0	-4.0	30.0
2-Chlorotoluene	Ave	0.9083	0.8755		9.64	10.0	-3.6	30.0
4-Ethyltoluene	Ave	1.056	1.016		9.61	10.0	-3.8	30.0
1,3,5-Trimethylbenzene	Ave	0.8821	0.8427		9.55	10.0	-4.5	30.0
n-Decane	Ave	0.5219	0.5070		9.71	10.0	-2.9	30.0
Alpha Methyl Styrene	Ave	0.4409	0.4296		9.74	10.0	-2.6	30.0
tert-Butylbenzene	Ave	0.7897	0.7473		9.46	10.0	-5.4	30.0
1,2,4-Trimethylbenzene	Ave	0.8935	0.8701		9.74	10.0	-2.6	30.0
sec-Butylbenzene	Ave	1.220	1.144		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Lab Sample ID: ICV 200-189231/14 Calibration Date: 03/10/2023 20:51
 Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06
 Lab File ID: 200-54646-014.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.6285	0.6046		9.62	10.0	-3.8	30.0
4-Isopropyltoluene	Ave	0.9511	0.8914		9.37	10.0	-6.3	30.0
1,4-Dichlorobenzene	Ave	0.6344	0.6122		9.65	10.0	-3.5	30.0
Benzyl chloride	Ave	0.8794	0.7794		8.86	10.0	-11.4	30.0
n-Butylbenzene	Ave	0.9413	0.8959		9.52	10.0	-4.8	30.0
1,2-Dichlorobenzene	Ave	0.5990	0.5875		9.81	10.0	-1.9	30.0
n-Undecane	Ave	0.4530	0.4554		10.1	10.0	0.5	30.0
n-Dodecane	Ave	0.3656	0.4043		11.1	10.0	10.6	30.0
1,2,4-Trichlorobenzene	Ave	0.4386	0.4823		11.0	10.0	9.9	30.0
Hexachlorobutadiene	Ave	0.3821	0.3560		9.31	10.0	-6.9	30.0
Naphthalene	Ave	0.9818	1.200		12.2	10.0	22.2	30.0
1,2,3-Trichlorobenzene	Ave	0.3575	0.4153		11.6	10.0	16.1	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-014.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 10-Mar-2023 20:51:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-014
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:43 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: V0FK

Date: 11-Mar-2023 10:16:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.099	3.099	0.000	97	207770	10.0	10.7	
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	773577	10.0	10.3	
3 Chlorodifluoromethane	51	3.179	3.179	0.000	97	448592	10.0	10.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.377	3.377	0.000	95	717502	10.0	10.3	
5 Chloromethane	50	3.458	3.458	0.000	99	244216	10.0	10.2	
6 Vinyl chloride	62	3.661	3.661	0.000	98	236858	10.0	10.2	
7 Butane	43	3.661	3.661	0.000	95	316072	10.0	10.6	
8 Butadiene	54	3.736	3.736	0.000	95	154998	10.0	9.52	
9 Bromomethane	94	4.233	4.233	0.000	98	210751	10.0	10.2	
10 Chloroethane	64	4.426	4.426	0.000	96	73642	10.0	9.92	
11 2-Methylbutane	43	4.581	4.581	0.000	90	181318	10.0	9.79	
12 Vinyl bromide	106	4.747	4.747	0.000	97	183518	10.0	10.2	
13 Trichlorofluoromethane	101	4.875	4.875	0.000	98	573133	10.0	10.2	
14 Pentane	43	5.041	5.041	0.000	97	376633	10.0	10.3	
15 Ethanol	45	5.159	5.159	0.000	95	258692	14.7	16.0	
16 Ethyl ether	59	5.383	5.383	0.000	92	120041	10.0	9.92	
17 Acrolein	56	5.587	5.587	0.000	97	61884	10.0	10.0	
18 1,1-Dichloroethene	96	5.769	5.769	0.000	95	249162	10.0	9.63	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.801	0.000	94	531734	10.0	10.2	
20 BFB									
19 Acetone	43	5.833	5.833	0.000	100	340366	10.0	10.6	
22 Isopropyl alcohol	45	6.090	6.090	0.000	100	430598	10.0	11.0	
23 Carbon disulfide	76	6.148	6.148	0.000	100	762092	10.0	10.5	
24 Acetonitrile	41	6.288	6.288	0.000	98	139606	10.0	10.1	
25 3-Chloro-1-propene	41	6.400	6.400	0.000	98	288332	10.0	9.82	
26 Methylene Chloride	49	6.614	6.614	0.000	98	309590	10.0	9.98	
27 2-Methyl-2-propanol	59	6.817	6.817	0.000	95	505882	10.0	11.4	
28 Acrylonitrile	53	6.994	6.994	0.000	92	128221	10.0	9.84	
29 trans-1,2-Dichloroethene	61	7.101	7.101	0.000	95	381505	10.0	10.0	
30 Methyl tert-butyl ether	73	7.122	7.122	0.000	96	570909	10.0	9.95	
31 Hexane	57	7.609	7.609	0.000	90	326726	10.0	9.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.850	7.850	0.000	100	445147	10.0	10.1	
33 Vinyl acetate	43	7.860	7.860	0.000	100	481573	10.0	9.29	
34 2-Butanone (MEK)	72	8.818	8.818	0.000	99	98037	10.0	9.22	
35 cis-1,2-Dichloroethene	96	8.834	8.834	0.000	97	255461	10.0	10.0	
36 Ethyl acetate	88	8.909	8.909	0.000	99	13183	10.0	10.1	
* 37 Chlorobromomethane	128	9.246	9.246	0.000	94	241503	10.0	10.0	
38 Tetrahydrofuran	42	9.321	9.321	0.000	91	263500	10.0	10.4	
39 Chloroform	83	9.433	9.433	0.000	97	642254	10.0	9.93	
S 43 1,2-Dichloroethene, Total	61				0		20.0	20.0	
40 1,1,1-Trichloroethane	97	9.754	9.754	0.000	96	672382	10.0	9.96	
41 Cyclohexane	84	9.909	9.909	0.000	95	351372	10.0	10.0	
42 Carbon tetrachloride	117	10.054	10.054	0.000	98	699317	10.0	11.2	
44 Benzene	78	10.423	10.423	0.000	97	854601	10.0	9.42	
45 1,2-Dichloroethane	62	10.492	10.492	0.000	98	441158	10.0	9.74	
46 Isooctane	57	10.680	10.680	0.000	98	1538666	10.0	10.0	
47 n-Heptane	43	11.022	11.022	0.000	96	623678	10.0	9.98	
* 48 1,4-Difluorobenzene	114	11.236	11.236	0.000	95	1269870	10.0	10.0	
49 n-Butanol	56	11.541	11.541	0.000	93	276112	10.0	11.6	
50 Trichloroethene	95	11.717	11.717	0.000	94	568759	10.0	10.2	
51 1,2-Dichloropropane	63	12.226	12.226	0.000	89	370607	10.0	9.88	
54 Methyl methacrylate	69	12.354	12.354	0.000	91	299800	10.0	9.82	
53 Dibromomethane	174	12.397	12.397	0.000	97	415568	10.0	10.2	
55 1,4-Dioxane	88	12.392	12.392	0.000	96	220694	10.0	11.4	
A 57 GRO	1	12.525	(4.571-20.480)		0	132366547	649.9	0	
56 Dichlorobromomethane	83	12.745	12.745	0.000	99	823009	10.0	10.1	
58 cis-1,3-Dichloropropene	75	13.638	13.638	0.000	96	628782	10.0	10.0	
59 4-Methyl-2-pentanone (MIBK)	43	13.948	13.948	0.000	98	837909	10.0	10.3	
A 62 TVOC as Toluene	92	14.256	(3.089-25.423)		0	187531016	899.8	0	
A 61 Toluene Range	92	14.339	(14.299-14.379)		0	2641844	NC	NC	
60 Toluene	92	14.339	14.339	0.000	93	626299	10.0	9.41	
A 64 C8 Range	1	14.638	(14.588-14.688)		0	2954343	NC	NC	
63 n-Octane	43	14.638	14.638	0.000	95	826203	10.0	10.2	
65 trans-1,3-Dichloropropene	75	14.788	14.788	0.000	98	539679	10.0	9.88	
66 1,1,2-Trichloroethane	83	15.189	15.189	0.000	98	363842	10.0	9.48	
67 Tetrachloroethene	166	15.409	15.409	0.000	93	585762	10.0	10.1	
68 2-Hexanone	43	15.660	15.660	0.000	92	815723	10.0	10.1	
69 Chlorodibromomethane	129	15.970	15.970	0.000	98	792644	10.0	9.96	
70 Ethylene Dibromide	107	16.222	16.222	0.000	98	661448	10.0	9.83	
* 71 Chlorobenzene-d5	117	17.201	17.201	0.000	89	1224718	10.0	10.0	
72 Chlorobenzene	112	17.260	17.260	0.000	97	865787	10.0	9.81	
73 Ethylbenzene	91	17.479	17.479	0.000	99	1343528	10.0	9.29	
74 m-Xylene & p-Xylene	106	17.763	17.763	0.000	0	974832	20.0	19.7	
75 n-Nonane	57	17.854	17.854	0.000	93	620195	10.0	9.80	
76 o-Xylene	106	18.570	18.570	0.000	97	479937	10.0	9.34	
77 Styrene	104	18.608	18.608	0.000	99	747900	10.0	9.72	
78 Bromoform	173	18.966	18.966	0.000	94	743179	10.0	10.5	
79 Isopropylbenzene	105	19.335	19.335	0.000	97	1329271	10.0	9.73	
S 82 Xylenes, Total	106				0		30.0	29.1	
80 1,1,2,2-Tetrachloroethane	83	19.881	19.881	0.000	98	864874	10.0	9.54	
81 1,2,3-Trichloropropane	75	19.983	19.983	0.000	97	710075	10.0	9.81	
83 N-Propylbenzene	91	20.106	20.106	0.000	98	1612917	10.0	9.60	
84 2-Chlorotoluene	91	20.250	20.250	0.000	97	1072000	10.0	9.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 4-Ethyltoluene	105	20.314	20.314	0.000	99	1243863	10.0	9.61	
86 1,3,5-Trimethylbenzene	105	20.416	20.416	0.000	92	1031919	10.0	9.55	
87 n-Decane	57	20.470	20.470	0.000	89	620843	10.0	9.71	
88 Alpha Methyl Styrene	118	20.758	20.758	0.000	86	526049	10.0	9.74	
89 tert-Butylbenzene	119	20.919	20.919	0.000	90	915060	10.0	9.46	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	98	1065432	10.0	9.74	
91 sec-Butylbenzene	105	21.261	21.261	0.000	98	1400906	10.0	9.38	
92 1,3-Dichlorobenzene	146	21.427	21.427	0.000	98	740302	10.0	9.62	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	96	1091460	10.0	9.37	
94 1,4-Dichlorobenzene	146	21.577	21.577	0.000	92	749579	10.0	9.65	
95 Benzyl chloride	91	21.727	21.727	0.000	97	954398	10.0	8.86	
97 n-Butylbenzene	91	22.053	22.053	0.000	98	1096954	10.0	9.52	
96 1,2-Dichlorobenzene	146	22.074	22.074	0.000	94	719369	10.0	9.81	
98 Undecane	57	22.224	22.224	0.000	95	557573	10.0	10.1	
99 Dodecane	57	23.818	23.818	0.000	94	495074	10.0	11.1	
100 1,2,4-Trichlorobenzene	180	24.530	24.530	0.000	94	590510	10.0	11.0	
101 Hexachlorobutadiene	225	24.781	24.781	0.000	97	435865	10.0	9.31	
102 Naphthalene	128	25.001	25.001	0.000	99	1469621	10.0	12.2	
103 1,2,3-Trichlorobenzene	180	25.413	25.413	0.000	96	508471	10.0	11.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00856

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 11-Mar-2023 11:11:43

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-014.D

Injection Date: 10-Mar-2023 20:51:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ICV

Worklist Smp#: 14

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

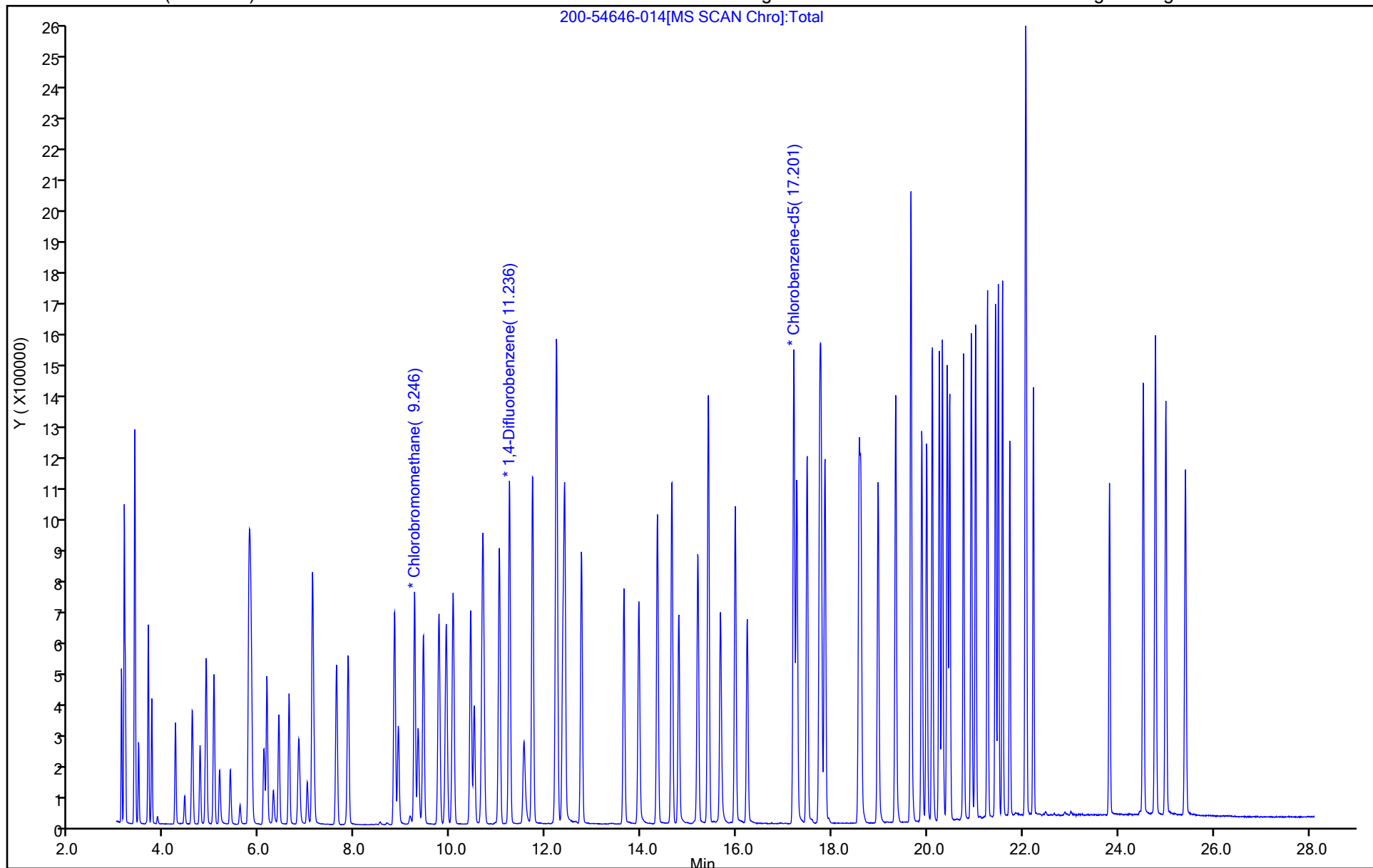
ALS Bottle#: 14

Method: TO15_MasterMethod_(v1)_G

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.: 200-67137-1
 SDG No.: 200-67137
 Lab Sample ID: CCVIS 200-189477/2 Calibration Date: 03/19/2023 10:44
 Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06
 Lab File ID: 200-54753-002.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	0.8062	0.8972		11.1	10.0	11.3	30.0
Dichlorodifluoromethane	Ave	3.098	3.114		10.0	10.0	0.5	30.0
Freon 22	Ave	1.789	1.909		10.7	10.0	6.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.887	2.887		10.0	10.0	-0.0	30.0
Chloromethane	Ave	0.996	1.039		10.4	10.0	4.4	30.0
Vinyl chloride	Ave	0.9591	0.9693		10.1	10.0	1.1	30.0
n-Butane	Ave	1.239	1.261		10.2	10.0	1.7	30.0
1,3-Butadiene	Ave	0.6743	0.6210		9.21	10.0	-7.9	30.0
Bromomethane	Ave	0.8552	0.7238		8.46	10.0	-15.4	30.0
Chloroethane	Ave	0.3074	0.2255		7.33	10.0	-26.7	30.0
Isopentane	Ave	0.7673	0.4686		6.11	10.0	-38.9*	30.0
Bromoethene (Vinyl Bromide)	Ave	0.7444	0.5883		7.90	10.0	-21.0	30.0
Trichlorofluoromethane	Ave	2.336	2.022		8.65	10.0	-13.5	30.0
n-Pentane	Ave	1.511	1.460		9.67	10.0	-3.3	30.0
Ethanol	Ave	0.6678	0.6766		15.2	15.0	1.3	30.0
Ethyl ether	Ave	0.5010	0.4931		9.84	10.0	-1.6	30.0
Acrolein	Ave	0.2561	0.2688		10.5	10.0	4.9	30.0
1,1-Dichloroethene	Ave	1.072	0.9407		8.77	10.0	-12.2	30.0
Freon TF	Ave	2.167	2.101		9.69	10.0	-3.0	30.0
Acetone	Ave	1.326	1.387		10.5	10.0	4.5	30.0
Isopropyl alcohol	Ave	1.616	1.596		9.87	10.0	-1.3	30.0
Carbon disulfide	Ave	3.005	3.023		10.1	10.0	0.6	30.0
Acetonitrile	Ave	0.5711	0.5721		10.0	10.0	0.2	30.0
3-Chloropropene	Ave	1.215	1.107		9.11	10.0	-8.9	30.0
Methylene Chloride	Ave	1.284	1.220		9.50	10.0	-5.0	30.0
tert-Butyl alcohol	Ave	1.831	1.708		9.33	10.0	-6.7	30.0
Acrylonitrile	Ave	0.5397	0.5254		9.73	10.0	-2.7	30.0
trans-1,2-Dichloroethene	Ave	1.577	1.483		9.41	10.0	-5.9	30.0
Methyl tert-butyl ether	Ave	2.377	2.196		9.24	10.0	-7.6	30.0
n-Hexane	Ave	1.396	1.252		8.96	10.0	-10.3	30.0
1,1-Dichloroethane	Ave	1.830	1.800		9.83	10.0	-1.7	30.0
Vinyl acetate	Ave	2.146	2.068		9.63	10.0	-3.6	30.0
Methyl Ethyl Ketone	Ave	0.4403	0.3991		9.06	10.0	-9.4	30.0
cis-1,2-Dichloroethene	Ave	1.057	1.010		9.55	10.0	-4.5	30.0
Ethyl acetate	Ave	0.0543	0.0532		9.80	10.0	-2.0	30.0
Tetrahydrofuran	Ave	0.1999	0.1987		9.94	10.0	-0.6	30.0
Chloroform	Ave	2.677	2.514		9.39	10.0	-6.1	30.0
1,1,1-Trichloroethane	Ave	0.5317	0.5105		9.60	10.0	-4.0	30.0
Cyclohexane	Ave	0.2757	0.2608		9.46	10.0	-5.4	30.0
Carbon tetrachloride	Ave	0.4936	0.5202		10.5	10.0	5.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Lab Sample ID: CCVIS 200-189477/2 Calibration Date: 03/19/2023 10:44

Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06

Lab File ID: 200-54753-002.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	0.7142	0.6638		9.29	10.0	-7.1	30.0
1,2-Dichloroethane	Ave	0.3566	0.3283		9.20	10.0	-8.0	30.0
2,2,4-Trimethylpentane	Ave	1.209	1.149		9.51	10.0	-4.9	30.0
n-Heptane	Ave	0.4921	0.4012		8.15	10.0	-18.5	30.0
n-Butanol	Ave	0.1869	0.1705		9.12	10.0	-8.8	30.0
Trichloroethene	Ave	0.4383	0.3854		8.79	10.0	-12.1	30.0
1,2-Dichloropropane	Ave	0.2954	0.2707		9.16	10.0	-8.3	30.0
Methyl methacrylate	Ave	0.2404	0.2152		8.95	10.0	-10.5	30.0
1,4-Dioxane	Ave	0.1523	0.1508		9.90	10.0	-1.0	30.0
Dibromomethane	Ave	0.3206	0.3062		9.55	10.0	-4.5	30.0
Bromodichloromethane	Ave	0.6419	0.6283		9.79	10.0	-2.1	30.0
cis-1,3-Dichloropropene	Ave	0.4941	0.4633		9.37	10.0	-6.2	30.0
methyl isobutyl ketone	Ave	0.6388	0.5861		9.17	10.0	-8.2	30.0
Toluene	Ave	0.5437	0.4932		9.07	10.0	-9.3	30.0
n-Octane	Ave	0.6349	0.6115		9.63	10.0	-3.7	30.0
trans-1,3-Dichloropropene	Ave	0.4300	0.4042		9.40	10.0	-6.0	30.0
1,1,2-Trichloroethane	Ave	0.3133	0.2965		9.46	10.0	-5.4	30.0
Tetrachloroethene	Ave	0.4732	0.4469		9.44	10.0	-5.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6603	0.5884		8.91	10.0	-10.9	30.0
Dibromochloromethane	Ave	0.6501	0.6161		9.47	10.0	-5.2	30.0
1,2-Dibromoethane	Ave	0.5495	0.5200		9.46	10.0	-5.4	30.0
Chlorobenzene	Ave	0.7209	0.6702		9.29	10.0	-7.0	30.0
Ethylbenzene	Ave	1.180	1.041		8.82	10.0	-11.8	30.0
m,p-Xylene	Ave	0.4035	0.3799		18.8	20.0	-5.8	30.0
n-Nonane	Ave	0.5169	0.4843		9.37	10.0	-6.3	30.0
Xylene, o-	Ave	0.4198	0.3671		8.74	10.0	-12.5	30.0
Styrene	Ave	0.6281	0.5526		8.80	10.0	-12.0	30.0
Bromoform	Ave	0.5761	0.5490		9.53	10.0	-4.7	30.0
Cumene	Ave	1.115	0.9568		8.58	10.0	-14.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7406	0.7030		9.49	10.0	-5.1	30.0
1,2,3-Trichloropropane	Ave	0.5913	0.5637		9.53	10.0	-4.7	30.0
n-Propylbenzene	Ave	1.373	1.240		9.03	10.0	-9.6	30.0
2-Chlorotoluene	Ave	0.9083	0.8164		8.99	10.0	-10.1	30.0
4-Ethyltoluene	Ave	1.056	0.9540		9.03	10.0	-9.7	30.0
1,3,5-Trimethylbenzene	Ave	0.8821	0.7793		8.83	10.0	-11.7	30.0
n-Decane	Ave	0.5219	0.4704		9.01	10.0	-9.9	30.0
Alpha Methyl Styrene	Ave	0.4409	0.3817		8.66	10.0	-13.4	30.0
tert-Butylbenzene	Ave	0.7897	0.6717		8.50	10.0	-14.9	30.0
1,2,4-Trimethylbenzene	Ave	0.8935	0.7844		8.78	10.0	-12.2	30.0
sec-Butylbenzene	Ave	1.220	1.045		8.57	10.0	-14.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Lab Sample ID: CCVIS 200-189477/2 Calibration Date: 03/19/2023 10:44
 Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06
 Lab File ID: 200-54753-002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.6285	0.5544		8.82	10.0	-11.8	30.0
4-Isopropyltoluene	Ave	0.9511	0.8062		8.48	10.0	-15.2	30.0
1,4-Dichlorobenzene	Ave	0.6344	0.5587		8.80	10.0	-11.9	30.0
Benzyl chloride	Ave	0.8794	0.8497		9.66	10.0	-3.4	30.0
n-Butylbenzene	Ave	0.9413	0.8161		8.67	10.0	-13.3	30.0
1,2-Dichlorobenzene	Ave	0.5990	0.5323		8.89	10.0	-11.1	30.0
n-Undecane	Ave	0.4530	0.3931		8.68	10.0	-13.2	30.0
n-Dodecane	Ave	0.3656	0.3262		8.92	10.0	-10.8	30.0
1,2,4-Trichlorobenzene	Ave	0.4386	0.3811		8.69	10.0	-13.1	30.0
Hexachlorobutadiene	Ave	0.3821	0.2885		7.55	10.0	-24.5	30.0
Naphthalene	Ave	0.9818	0.8934		9.10	10.0	-9.0	30.0
1,2,3-Trichlorobenzene	Ave	0.3575	0.3033		8.48	10.0	-15.2	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-002.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 19-Mar-2023 10:44:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-002
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 11:28:11 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: puangmaleek

Date: 20-Mar-2023 11:28:11

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	3.099	3.099	0.000	98	261666	10.0	11.1	
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	908120	10.0	10.0	
3 Chlorodifluoromethane	51	3.179	3.179	0.000	97	556706	10.0	10.7	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.377	3.377	0.000	97	841983	10.0	10.0	
5 Chloromethane	50	3.457	3.457	0.000	99	303137	10.0	10.4	
6 Vinyl chloride	62	3.655	3.655	0.000	98	282691	10.0	10.1	
7 Butane	43	3.661	3.661	0.000	97	367708	10.0	10.2	
8 Butadiene	54	3.730	3.730	0.000	95	181119	10.0	9.21	
9 Bromomethane	94	4.228	4.228	0.000	98	211099	10.0	8.46	
10 Chloroethane	64	4.420	4.420	0.000	96	65754	10.0	7.33	
11 2-Methylbutane	43	4.581	4.581	0.000	89	136680	10.0	6.11	
12 Vinyl bromide	106	4.741	4.741	0.000	97	171563	10.0	7.90	
13 Trichlorofluoromethane	101	4.870	4.870	0.000	99	589613	10.0	8.65	
14 Pentane	43	5.036	5.036	0.000	98	425937	10.0	9.67	
15 Ethanol	45	5.153	5.153	0.000	96	296119	15.0	15.2	
16 Ethyl ether	59	5.378	5.378	0.000	91	143803	10.0	9.84	
17 Acrolein	56	5.581	5.581	0.000	97	78392	10.0	10.5	
18 1,1-Dichloroethene	96	5.763	5.763	0.000	95	274360	10.0	8.77	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.795	5.795	0.000	93	612833	10.0	9.69	
20 BFB									
19 Acetone	43	5.827	5.827	0.000	99	404396	10.0	10.5	
22 Isopropyl alcohol	45	6.084	6.084	0.000	100	465378	10.0	9.87	
23 Carbon disulfide	76	6.143	6.143	0.000	100	881748	10.0	10.1	
24 Acetonitrile	41	6.277	6.277	0.000	98	166850	10.0	10.0	
25 3-Chloro-1-propene	41	6.394	6.394	0.000	99	322886	10.0	9.11	
26 Methylene Chloride	49	6.608	6.608	0.000	97	355766	10.0	9.50	
27 2-Methyl-2-propanol	59	6.812	6.812	0.000	95	498268	10.0	9.33	
28 Acrylonitrile	53	6.988	6.988	0.000	93	153223	10.0	9.73	
29 trans-1,2-Dichloroethene	61	7.095	7.095	0.000	96	432600	10.0	9.41	
30 Methyl tert-butyl ether	73	7.111	7.111	0.000	96	640533	10.0	9.24	
31 Hexane	57	7.604	7.604	0.000	91	365133	10.0	8.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.844	7.844	0.000	100	524960	10.0	9.83	
33 Vinyl acetate	43	7.855	7.855	0.000	100	603094	10.0	9.63	
34 2-Butanone (MEK)	72	8.813	8.813	0.000	99	116391	10.0	9.06	
35 cis-1,2-Dichloroethene	96	8.823	8.823	0.000	97	294604	10.0	9.55	
36 Ethyl acetate	88	8.898	8.898	0.000	99	15525	10.0	9.80	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	94	291703	10.0	10.0	
38 Tetrahydrofuran	42	9.315	9.315	0.000	91	285573	10.0	9.94	
39 Chloroform	83	9.422	9.422	0.000	97	733058	10.0	9.39	
S 43 1,2-Dichloroethene, Total	61				0		20.0	19.0	
40 1,1,1-Trichloroethane	97	9.754	9.754	0.000	96	733608	10.0	9.60	
41 Cyclohexane	84	9.904	9.904	0.000	96	374756	10.0	9.46	
42 Carbon tetrachloride	117	10.048	10.048	0.000	98	747560	10.0	10.5	
44 Benzene	78	10.417	10.417	0.000	97	953977	10.0	9.29	
45 1,2-Dichloroethane	62	10.492	10.492	0.000	97	471758	10.0	9.20	
46 Isooctane	57	10.674	10.674	0.000	98	1651846	10.0	9.51	
47 n-Heptane	43	11.017	11.017	0.000	95	576662	10.0	8.15	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	94	1437445	10.0	10.0	
49 n-Butanol	56	11.530	11.530	0.000	93	244995	10.0	9.12	
50 Trichloroethene	95	11.712	11.712	0.000	96	553942	10.0	8.79	
51 1,2-Dichloropropane	63	12.215	12.215	0.000	90	389042	10.0	9.16	
54 Methyl methacrylate	69	12.349	12.349	0.000	94	309242	10.0	8.95	
53 Dibromomethane	174	12.386	12.386	0.000	92	440058	10.0	9.55	
55 1,4-Dioxane	88	12.386	12.386	0.000	94	216739	10.0	9.90	
A 57 GRO	1	12.523	(4.571-20.474)		0	137931826	649.9	0	
56 Dichlorobromomethane	83	12.739	12.739	0.000	98	902906	10.0	9.79	
58 cis-1,3-Dichloropropene	75	13.633	13.633	0.000	95	665881	10.0	9.37	
59 4-Methyl-2-pentanone (MIBK)	43	13.943	13.943	0.000	98	842318	10.0	9.17	
A 62 TVOC as Toluene	92	14.253	(3.089-25.417)		0	192562137	899.8	0	
A 61 Toluene Range	92	14.333	(14.293-14.373)		0	2781461	NC	NC	
60 Toluene	92	14.333	14.333	0.000	93	664855	10.0	9.07	
63 n-Octane	43	14.638	14.638	0.000	95	878779	10.0	9.63	
A 64 C8 Range	1	14.638	(14.588-14.688)		0	3151597	NC	NC	
65 trans-1,3-Dichloropropene	75	14.783	14.783	0.000	98	580899	10.0	9.40	
66 1,1,2-Trichloroethane	83	15.179	15.179	0.000	97	399621	10.0	9.46	
67 Tetrachloroethene	166	15.403	15.403	0.000	92	602363	10.0	9.44	
68 2-Hexanone	43	15.655	15.655	0.000	92	793175	10.0	8.91	
69 Chlorodibromomethane	129	15.965	15.965	0.000	97	830439	10.0	9.47	
70 Ethylene Dibromide	107	16.217	16.217	0.000	98	700873	10.0	9.46	
* 71 Chlorobenzene-d5	117	17.196	17.196	0.000	89	1348177	10.0	10.0	
72 Chlorobenzene	112	17.254	17.254	0.000	93	903360	10.0	9.29	
73 Ethylbenzene	91	17.474	17.474	0.000	99	1403264	10.0	8.82	
74 m-Xylene & p-Xylene	106	17.757	17.757	0.000	0	1024129	20.0	18.8	
75 n-Nonane	57	17.848	17.848	0.000	93	652790	10.0	9.37	
76 o-Xylene	106	18.565	18.565	0.000	98	494884	10.0	8.74	
77 Styrene	104	18.597	18.597	0.000	98	744836	10.0	8.80	
78 Bromoform	173	18.961	18.961	0.000	95	739977	10.0	9.53	
79 Isopropylbenzene	105	19.330	19.330	0.000	97	1289747	10.0	8.58	
S 82 Xylenes, Total	106				0		30.0	27.6	
80 1,1,2,2-Tetrachloroethane	83	19.876	19.876	0.000	98	947599	10.0	9.49	
81 1,2,3-Trichloropropane	75	19.977	19.977	0.000	97	759812	10.0	9.53	
83 N-Propylbenzene	91	20.100	20.100	0.000	98	1671703	10.0	9.03	
84 2-Chlorotoluene	91	20.245	20.245	0.000	97	1100382	10.0	8.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 4-Ethyltoluene	105	20.309	20.309	0.000	99	1285911	10.0	9.03	
86 1,3,5-Trimethylbenzene	105	20.411	20.411	0.000	91	1050383	10.0	8.83	
87 n-Decane	57	20.464	20.464	0.000	89	634119	10.0	9.01	
88 Alpha Methyl Styrene	118	20.753	20.753	0.000	85	514544	10.0	8.66	
89 tert-Butylbenzene	119	20.919	20.919	0.000	90	905450	10.0	8.50	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	98	1057369	10.0	8.78	
91 sec-Butylbenzene	105	21.256	21.256	0.000	98	1408698	10.0	8.57	
92 1,3-Dichlorobenzene	146	21.422	21.422	0.000	98	747253	10.0	8.82	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	97	1086744	10.0	8.48	
94 1,4-Dichlorobenzene	146	21.572	21.572	0.000	92	753014	10.0	8.80	
95 Benzyl chloride	91	21.727	21.727	0.000	97	1145295	10.0	9.66	
97 n-Butylbenzene	91	22.053	22.053	0.000	98	1100016	10.0	8.67	
96 1,2-Dichlorobenzene	146	22.069	22.069	0.000	96	717511	10.0	8.89	
98 Undecane	57	22.219	22.219	0.000	96	529925	10.0	8.68	
99 Dodecane	57	23.813	23.813	0.000	94	439625	10.0	8.92	
100 1,2,4-Trichlorobenzene	180	24.525	24.525	0.000	94	513748	10.0	8.69	
101 Hexachlorobutadiene	225	24.776	24.776	0.000	97	388850	10.0	7.55	
102 Naphthalene	128	24.995	24.995	0.000	99	1204278	10.0	9.10	
103 1,2,3-Trichlorobenzene	180	25.407	25.407	0.000	94	408873	10.0	8.48	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00802

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-002.D

Injection Date: 19-Mar-2023 10:44:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

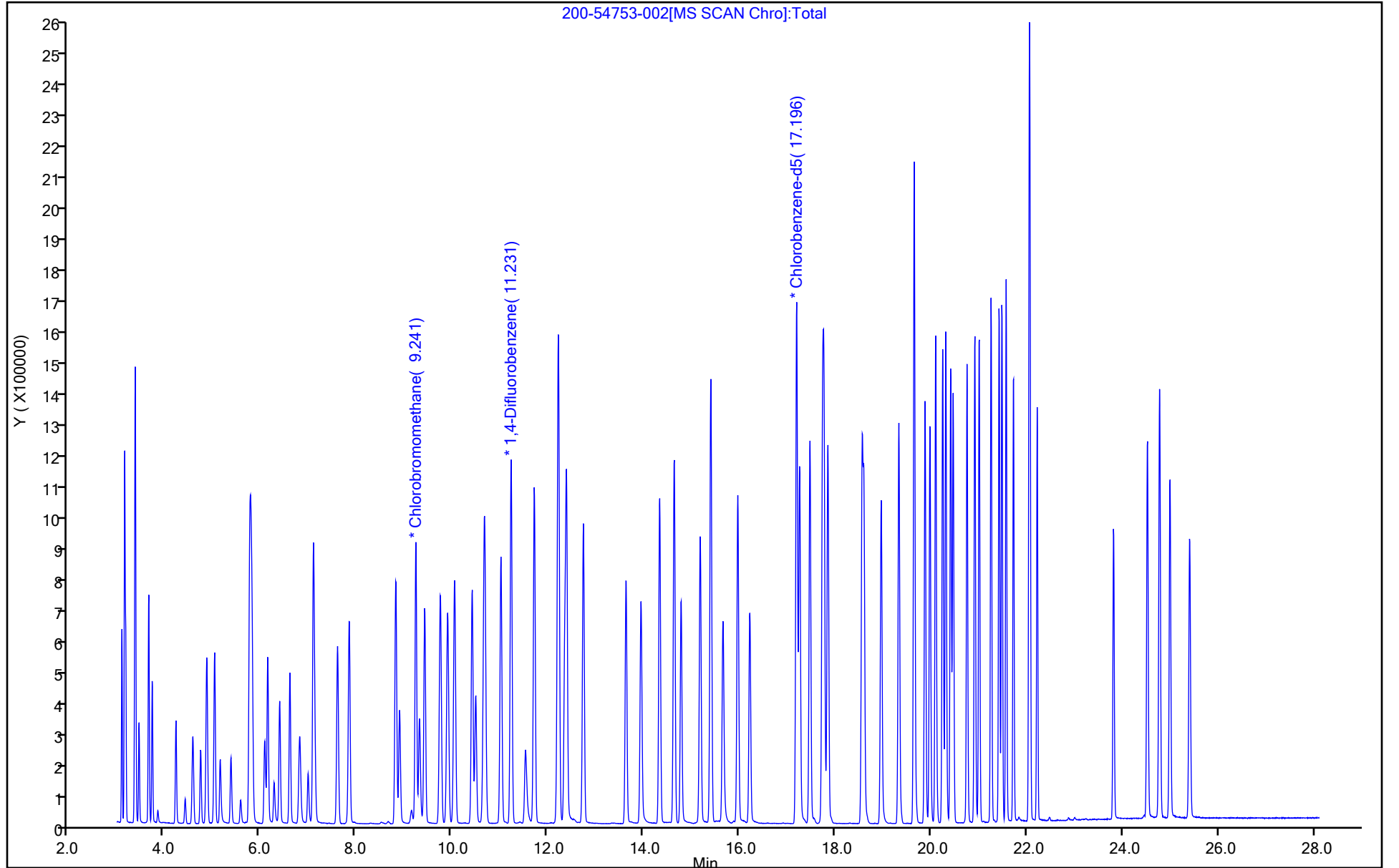
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_G

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.: 200-67137-1

SDG No.: 200-67137

Lab Sample ID: CCVIS 200-189486/2 Calibration Date: 03/20/2023 08:11

Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06

Lab File ID: 200-54759-002.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	0.8062	0.9297		11.5	10.0	15.3	30.0
Dichlorodifluoromethane	Ave	3.098	3.196		10.3	10.0	3.2	30.0
Freon 22	Ave	1.789	1.951		10.9	10.0	9.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.887	2.963		10.3	10.0	2.6	30.0
Chloromethane	Ave	0.996	1.068		10.7	10.0	7.2	30.0
Vinyl chloride	Ave	0.9591	0.9836		10.3	10.0	2.6	30.0
n-Butane	Ave	1.239	1.299		10.5	10.0	4.8	30.0
1,3-Butadiene	Ave	0.6743	0.6433		9.54	10.0	-4.6	30.0
Bromomethane	Ave	0.8552	0.6918		8.09	10.0	-19.1	30.0
Chloroethane	Ave	0.3074	0.2217		7.21	10.0	-27.9	30.0
Isopentane	Ave	0.7673	0.5497		7.16	10.0	-28.4	30.0
Bromoethene (Vinyl Bromide)	Ave	0.7444	0.5858		7.87	10.0	-21.3	30.0
Trichlorofluoromethane	Ave	2.336	2.029		8.69	10.0	-13.1	30.0
n-Pentane	Ave	1.511	1.494		9.88	10.0	-1.1	30.0
Ethanol	Ave	0.6678	0.6919		15.5	15.0	3.6	30.0
Ethyl ether	Ave	0.5010	0.5215		10.4	10.0	4.1	30.0
Acrolein	Ave	0.2561	0.2815		11.0	10.0	9.9	30.0
1,1-Dichloroethene	Ave	1.072	0.9457		8.82	10.0	-11.8	30.0
Freon TF	Ave	2.167	2.152		9.93	10.0	-0.7	30.0
Acetone	Ave	1.326	1.431		10.8	10.0	7.9	30.0
Isopropyl alcohol	Ave	1.616	1.638		10.1	10.0	1.4	30.0
Carbon disulfide	Ave	3.005	3.077		10.2	10.0	2.4	30.0
Acetonitrile	Ave	0.5711	0.5939		10.4	10.0	4.0	30.0
3-Chloropropene	Ave	1.215	1.146		9.43	10.0	-5.7	30.0
Methylene Chloride	Ave	1.284	1.274		9.92	10.0	-0.8	30.0
tert-Butyl alcohol	Ave	1.831	1.790		9.78	10.0	-2.2	30.0
Acrylonitrile	Ave	0.5397	0.5707		10.6	10.0	5.7	30.0
trans-1,2-Dichloroethene	Ave	1.577	1.548		9.82	10.0	-1.8	30.0
Methyl tert-butyl ether	Ave	2.377	2.293		9.65	10.0	-3.5	30.0
n-Hexane	Ave	1.396	1.294		9.27	10.0	-7.3	30.0
1,1-Dichloroethane	Ave	1.830	1.869		10.2	10.0	2.1	30.0
Vinyl acetate	Ave	2.146	2.215		10.3	10.0	3.2	30.0
Methyl Ethyl Ketone	Ave	0.4403	0.4117		9.35	10.0	-6.5	30.0
cis-1,2-Dichloroethene	Ave	1.057	1.035		9.78	10.0	-2.1	30.0
Ethyl acetate	Ave	0.0543	0.0549		10.1	10.0	1.0	30.0
Tetrahydrofuran	Ave	0.1999	0.1951		9.76	10.0	-2.4	30.0
Chloroform	Ave	2.677	2.582		9.64	10.0	-3.6	30.0
1,1,1-Trichloroethane	Ave	0.5317	0.4817		9.06	10.0	-9.4	30.0
Cyclohexane	Ave	0.2757	0.2440		8.85	10.0	-11.5	30.0
Carbon tetrachloride	Ave	0.4936	0.4885		9.89	10.0	-1.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Lab Sample ID: CCVIS 200-189486/2 Calibration Date: 03/20/2023 08:11

Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06

Lab File ID: 200-54759-002.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	0.7142	0.6416		8.98	10.0	-10.2	30.0
1,2-Dichloroethane	Ave	0.3566	0.3259		9.14	10.0	-8.6	30.0
2,2,4-Trimethylpentane	Ave	1.209	1.089		9.01	10.0	-9.9	30.0
n-Heptane	Ave	0.4921	0.4339		8.82	10.0	-11.8	30.0
n-Butanol	Ave	0.1869	0.1744		9.33	10.0	-6.7	30.0
Trichloroethene	Ave	0.4383	0.3816		8.71	10.0	-12.9	30.0
1,2-Dichloropropane	Ave	0.2954	0.2689		9.10	10.0	-9.0	30.0
Methyl methacrylate	Ave	0.2404	0.1957		8.14	10.0	-18.6	30.0
Dibromomethane	Ave	0.3206	0.2887		9.00	10.0	-9.9	30.0
1,4-Dioxane	Ave	0.1523	0.1387		9.10	10.0	-8.9	30.0
Bromodichloromethane	Ave	0.6419	0.5395		8.40	10.0	-16.0	30.0
cis-1,3-Dichloropropene	Ave	0.4941	0.4542		9.19	10.0	-8.1	30.0
methyl isobutyl ketone	Ave	0.6388	0.5663		8.86	10.0	-11.3	30.0
Toluene	Ave	0.5437	0.5110		9.40	10.0	-6.0	30.0
n-Octane	Ave	0.6349	0.5758		9.07	10.0	-9.3	30.0
trans-1,3-Dichloropropene	Ave	0.4300	0.3977		9.25	10.0	-7.5	30.0
1,1,2-Trichloroethane	Ave	0.3133	0.3093		9.87	10.0	-1.3	30.0
Tetrachloroethene	Ave	0.4732	0.4386		9.27	10.0	-7.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6603	0.6126		9.28	10.0	-7.2	30.0
Dibromochloromethane	Ave	0.6501	0.6176		9.50	10.0	-5.0	30.0
1,2-Dibromoethane	Ave	0.5495	0.5352		9.74	10.0	-2.6	30.0
Chlorobenzene	Ave	0.7209	0.6828		9.47	10.0	-5.3	30.0
Ethylbenzene	Ave	1.180	1.071		9.07	10.0	-9.2	30.0
m,p-Xylene	Ave	0.4035	0.3836		19.0	20.0	-4.9	30.0
n-Nonane	Ave	0.5169	0.4959		9.59	10.0	-4.0	30.0
Xylene, o-	Ave	0.4198	0.3733		8.89	10.0	-11.1	30.0
Styrene	Ave	0.6281	0.5683		9.05	10.0	-9.5	30.0
Bromoform	Ave	0.5761	0.5509		9.56	10.0	-4.4	30.0
Cumene	Ave	1.115	1.014		9.09	10.0	-9.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7406	0.7152		9.66	10.0	-3.4	30.0
1,2,3-Trichloropropane	Ave	0.5913	0.5748		9.72	10.0	-2.8	30.0
n-Propylbenzene	Ave	1.373	1.252		9.12	10.0	-8.8	30.0
2-Chlorotoluene	Ave	0.9083	0.8306		9.14	10.0	-8.6	30.0
4-Ethyltoluene	Ave	1.056	0.9522		9.01	10.0	-9.9	30.0
1,3,5-Trimethylbenzene	Ave	0.8821	0.7732		8.76	10.0	-12.3	30.0
n-Decane	Ave	0.5219	0.4856		9.30	10.0	-7.0	30.0
Alpha Methyl Styrene	Ave	0.4409	0.3789		8.59	10.0	-14.1	30.0
tert-Butylbenzene	Ave	0.7897	0.6727		8.52	10.0	-14.8	30.0
1,2,4-Trimethylbenzene	Ave	0.8935	0.7869		8.81	10.0	-11.9	30.0
sec-Butylbenzene	Ave	1.220	1.054		8.64	10.0	-13.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Lab Sample ID: CCVIS 200-189486/2 Calibration Date: 03/20/2023 08:11
 Instrument ID: CHG.i Calib Start Date: 03/10/2023 11:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/10/2023 19:06
 Lab File ID: 200-54759-002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.6285	0.5546		8.82	10.0	-11.8	30.0
4-Isopropyltoluene	Ave	0.9511	0.8073		8.49	10.0	-15.1	30.0
1,4-Dichlorobenzene	Ave	0.6344	0.5566		8.77	10.0	-12.3	30.0
Benzyl chloride	Ave	0.8794	0.8563		9.74	10.0	-2.6	30.0
n-Butylbenzene	Ave	0.9413	0.8328		8.85	10.0	-11.5	30.0
1,2-Dichlorobenzene	Ave	0.5990	0.5362		8.95	10.0	-10.5	30.0
n-Undecane	Ave	0.4530	0.4144		9.15	10.0	-8.5	30.0
n-Dodecane	Ave	0.3656	0.3148		8.61	10.0	-13.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4386	0.3833		8.74	10.0	-12.6	30.0
Hexachlorobutadiene	Ave	0.3821	0.3037		7.95	10.0	-20.5	30.0
Naphthalene	Ave	0.9818	0.8921		9.08	10.0	-9.1	30.0
1,2,3-Trichlorobenzene	Ave	0.3575	0.2975		8.32	10.0	-16.8	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-002.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 20-Mar-2023 08:11:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-002
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub16
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 07:47:01 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1645

First Level Reviewer: puangmaleek

Date: 21-Mar-2023 07:47:01

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	3.099	3.099	0.000	97	265759	10.0	11.5	
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	99	913644	10.0	10.3	
3 Chlorodifluoromethane	51	3.179	3.179	0.000	97	557756	10.0	10.9	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.377	3.377	0.000	99	846875	10.0	10.3	
5 Chloromethane	50	3.458	3.458	0.000	99	305175	10.0	10.7	
6 Vinyl chloride	62	3.656	3.656	0.000	98	281174	10.0	10.3	
7 Butane	43	3.661	3.661	0.000	96	371292	10.0	10.5	
8 Butadiene	54	3.730	3.730	0.000	96	183889	10.0	9.54	
9 Bromomethane	94	4.228	4.228	0.000	98	197764	10.0	8.09	
10 Chloroethane	64	4.421	4.421	0.000	96	63378	10.0	7.21	
11 2-Methylbutane	43	4.581	4.581	0.000	90	157134	10.0	7.16	
12 Vinyl bromide	106	4.742	4.742	0.000	97	167468	10.0	7.87	
13 Trichlorofluoromethane	101	4.870	4.870	0.000	98	580051	10.0	8.69	
14 Pentane	43	5.036	5.036	0.000	98	426943	10.0	9.88	
15 Ethanol	45	5.153	5.153	0.000	96	296795	15.0	15.5	
16 Ethyl ether	59	5.378	5.378	0.000	92	149065	10.0	10.4	
17 Acrolein	56	5.576	5.576	0.000	97	80460	10.0	11.0	
18 1,1-Dichloroethene	96	5.763	5.763	0.000	95	270339	10.0	8.82	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.795	5.795	0.000	93	615055	10.0	9.93	
20 BFB									
19 Acetone	43	5.827	5.827	0.000	99	409092	10.0	10.8	
22 Isopropyl alcohol	45	6.084	6.084	0.000	100	468325	10.0	10.1	
23 Carbon disulfide	76	6.143	6.143	0.000	100	879503	10.0	10.2	
24 Acetonitrile	41	6.277	6.277	0.000	98	169777	10.0	10.4	
25 3-Chloro-1-propene	41	6.395	6.395	0.000	99	327480	10.0	9.43	
26 Methylene Chloride	49	6.603	6.603	0.000	98	364269	10.0	9.92	
27 2-Methyl-2-propanol	59	6.817	6.817	0.000	95	511825	10.0	9.78	
28 Acrylonitrile	53	6.988	6.988	0.000	93	163126	10.0	10.6	
29 trans-1,2-Dichloroethene	61	7.095	7.095	0.000	95	442461	10.0	9.82	
30 Methyl tert-butyl ether	73	7.117	7.117	0.000	97	655589	10.0	9.65	
31 Hexane	57	7.604	7.604	0.000	90	370032	10.0	9.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 1,1-Dichloroethane	63	7.839	7.839	0.000	99	534345	10.0	10.2	
33 Vinyl acetate	43	7.850	7.850	0.000	100	633060	10.0	10.3	
34 2-Butanone (MEK)	72	8.807	8.807	0.000	99	117702	10.0	9.35	
35 cis-1,2-Dichloroethene	96	8.823	8.823	0.000	97	295783	10.0	9.78	
36 Ethyl acetate	88	8.898	8.898	0.000	99	15683	10.0	10.1	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	95	285915	10.0	10.0	
38 Tetrahydrofuran	42	9.315	9.315	0.000	92	296185	10.0	9.76	
39 Chloroform	83	9.422	9.422	0.000	97	738142	10.0	9.64	
S 43 1,2-Dichloroethene, Total	61				0		20.0	19.6	
40 1,1,1-Trichloroethane	97	9.749	9.749	0.000	97	731395	10.0	9.06	
41 Cyclohexane	84	9.904	9.904	0.000	96	370566	10.0	8.85	
42 Carbon tetrachloride	117	10.043	10.043	0.000	98	741763	10.0	9.89	
44 Benzene	78	10.412	10.412	0.000	97	974195	10.0	8.98	
45 1,2-Dichloroethane	62	10.487	10.487	0.000	97	494795	10.0	9.14	
46 Isooctane	57	10.669	10.669	0.000	98	1654014	10.0	9.01	
47 n-Heptane	43	11.017	11.017	0.000	96	658917	10.0	8.82	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	96	1518734	10.0	10.0	
49 n-Butanol	56	11.536	11.536	0.000	93	264742	10.0	9.33	
50 Trichloroethene	95	11.712	11.712	0.000	94	579496	10.0	8.71	
51 1,2-Dichloropropane	63	12.215	12.215	0.000	91	408318	10.0	9.10	
54 Methyl methacrylate	69	12.349	12.349	0.000	95	297143	10.0	8.14	
53 Dibromomethane	174	12.386	12.386	0.000	94	438395	10.0	9.00	
55 1,4-Dioxane	88	12.392	12.392	0.000	90	210560	10.0	9.10	
A 57 GRO	1	12.523	(4.571-20.474)		0	139698582	649.9	0	
56 Dichlorobromomethane	83	12.734	12.734	0.000	98	819175	10.0	8.40	
58 cis-1,3-Dichloropropene	75	13.627	13.627	0.000	95	689734	10.0	9.19	
59 4-Methyl-2-pentanone (MIBK)	43	13.943	13.943	0.000	98	859964	10.0	8.86	
A 62 TVOC as Toluene	92	14.251	(3.089-25.412)		0	193966766	899.8	0	
A 61 Toluene Range	92	14.328	(14.288-14.368)		0	2873056	NC	NC	
60 Toluene	92	14.328	14.328	0.000	93	678501	10.0	9.40	
63 n-Octane	43	14.633	14.633	0.000	96	874277	10.0	9.07	
A 64 C8 Range	1	14.633	(14.583-14.683)		0	3110292	NC	NC	
65 trans-1,3-Dichloropropene	75	14.778	14.778	0.000	98	603858	10.0	9.25	
66 1,1,2-Trichloroethane	83	15.179	15.179	0.000	97	410680	10.0	9.87	
67 Tetrachloroethene	166	15.398	15.398	0.000	92	582420	10.0	9.27	
68 2-Hexanone	43	15.655	15.655	0.000	92	813482	10.0	9.28	
69 Chlorodibromomethane	129	15.965	15.965	0.000	98	820132	10.0	9.50	
70 Ethylene Dibromide	107	16.211	16.211	0.000	98	710756	10.0	9.74	
* 71 Chlorobenzene-d5	117	17.190	17.190	0.000	90	1328171	10.0	10.0	
72 Chlorobenzene	112	17.254	17.254	0.000	92	906700	10.0	9.47	
73 Ethylbenzene	91	17.468	17.468	0.000	99	1422373	10.0	9.07	
74 m-Xylene & p-Xylene	106	17.752	17.752	0.000	0	1018865	20.0	19.0	
75 n-Nonane	57	17.843	17.843	0.000	93	658563	10.0	9.59	
76 o-Xylene	106	18.560	18.560	0.000	98	495775	10.0	8.89	
77 Styrene	104	18.597	18.597	0.000	98	754676	10.0	9.05	
78 Bromoform	173	18.961	18.961	0.000	93	731494	10.0	9.56	
79 Isopropylbenzene	105	19.330	19.330	0.000	97	1346736	10.0	9.09	
S 82 Xylenes, Total	106				0		30.0	27.9	
80 1,1,2,2-Tetrachloroethane	83	19.876	19.876	0.000	98	949729	10.0	9.66	
81 1,2,3-Trichloropropane	75	19.977	19.977	0.000	97	763236	10.0	9.72	
83 N-Propylbenzene	91	20.095	20.095	0.000	98	1662664	10.0	9.12	
84 2-Chlorotoluene	91	20.245	20.245	0.000	97	1102912	10.0	9.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 4-Ethyltoluene	105	20.309	20.309	0.000	99	1264465	10.0	9.01	
86 1,3,5-Trimethylbenzene	105	20.411	20.411	0.000	91	1026797	10.0	8.76	
87 n-Decane	57	20.464	20.464	0.000	89	644850	10.0	9.30	
88 Alpha Methyl Styrene	118	20.753	20.753	0.000	85	503150	10.0	8.59	
89 tert-Butylbenzene	119	20.914	20.914	0.000	89	893291	10.0	8.52	
90 1,2,4-Trimethylbenzene	105	21.005	21.005	0.000	99	1044877	10.0	8.81	
91 sec-Butylbenzene	105	21.256	21.256	0.000	98	1399906	10.0	8.64	
92 1,3-Dichlorobenzene	146	21.422	21.422	0.000	98	736516	10.0	8.82	
93 4-Isopropyltoluene	119	21.481	21.481	0.000	96	1072087	10.0	8.49	
94 1,4-Dichlorobenzene	146	21.572	21.572	0.000	92	739097	10.0	8.77	
95 Benzyl chloride	91	21.721	21.721	0.000	97	1137137	10.0	9.74	
97 n-Butylbenzene	91	22.048	22.048	0.000	98	1105892	10.0	8.85	
96 1,2-Dichlorobenzene	146	22.069	22.069	0.000	93	712050	10.0	8.95	
98 Undecane	57	22.219	22.219	0.000	96	550222	10.0	9.15	
99 Dodecane	57	23.813	23.813	0.000	96	417963	10.0	8.61	
100 1,2,4-Trichlorobenzene	180	24.519	24.519	0.000	94	509054	10.0	8.74	
101 Hexachlorobutadiene	225	24.776	24.776	0.000	97	403342	10.0	7.95	
102 Naphthalene	128	24.995	24.995	0.000	99	1184575	10.0	9.08	
103 1,2,3-Trichlorobenzene	180	25.402	25.402	0.000	94	395109	10.0	8.32	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00802

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2023 07:47:01

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-002.D

Injection Date: 20-Mar-2023 08:11:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

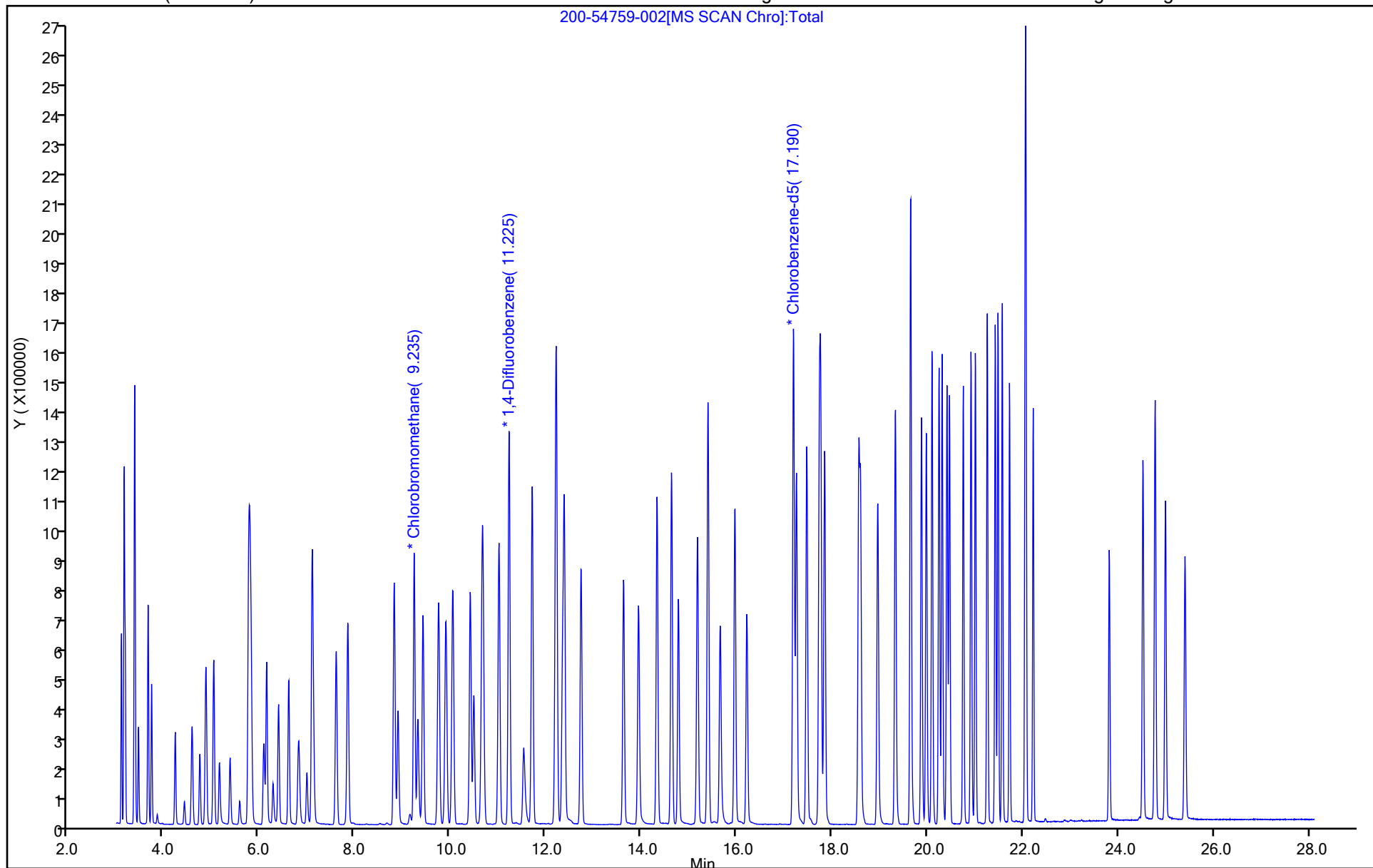
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230310-54646.b\200-54646-001.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 10-Mar-2023 09:31:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0054646-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 11-Mar-2023 11:11:42 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

20 BFB

* 37 Chlorobromomethane	128	9.246				10.0	ND
* 48 1,4-Difluorobenzene	114	11.236				10.0	ND
* 71 Chlorobenzene-d5	117	17.201				10.0	ND

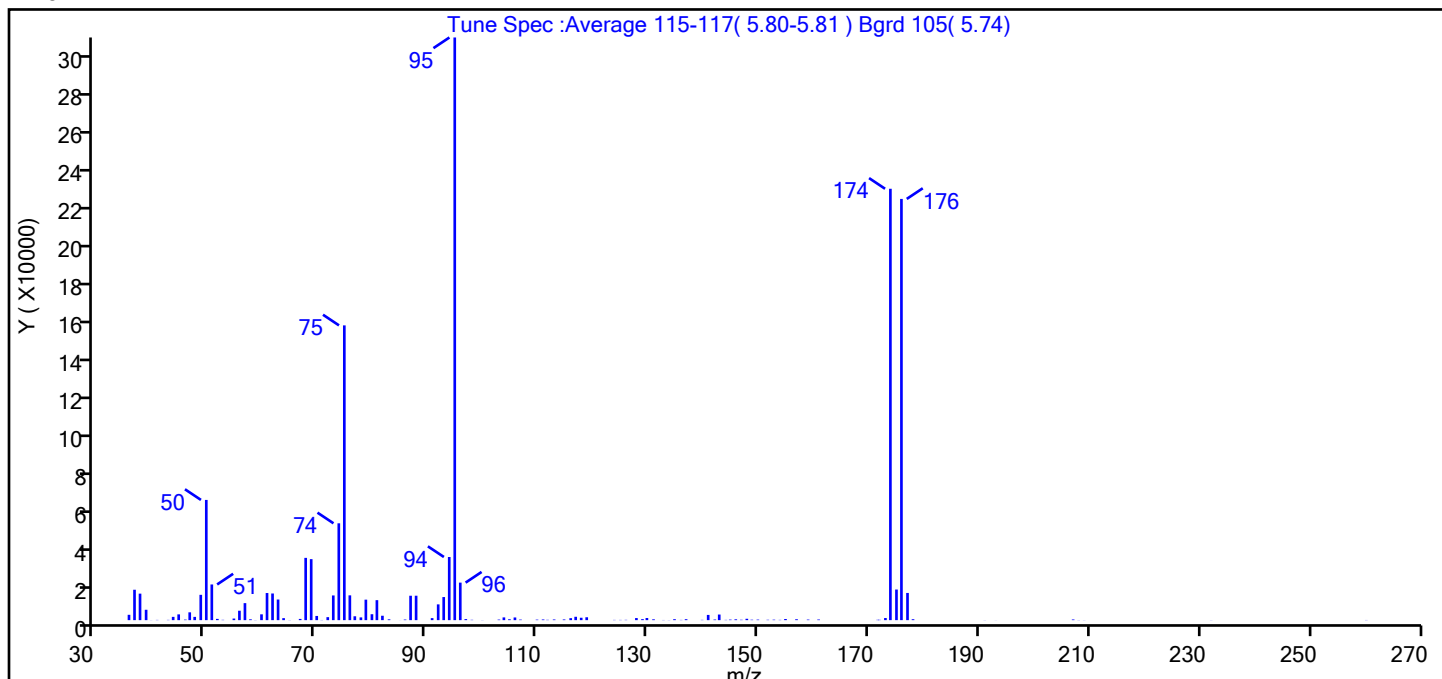
Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-001.D
Injection Date: 10-Mar-2023 09:31:30 Instrument ID: CHG.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_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

20 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	20.6
75	30.0 to 66.0 Percent of m/e 95	50.6
96	5.0 to 9.0 Percent of m/e 95	6.4
173	Less than 2.0 Percent of m/e 174	0.4 (0.5)
174	50.0 to 120.0 Percent of m/e 95	74.0
175	4.0 to 9.0 Percent of m/e 174	5.3 (7.1)
176	93.0 to 101.0 Percent of m/e 174	72.3 (97.6)
177	5.0 to 9.0 Percent of m/e 176	4.7 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-001.D\TO15_MasterMethod_(v1)_C
Injection Date: 10-Mar-2023 09:31:30
Spectrum: Tune Spec :Average 115-117(5.80-5.81) Bgrd 105(5.74)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2796	69.00	31920	105.00	459	146.00	431
37.00	15906	70.00	2193	106.00	1401	147.00	198
38.00	13871	71.00	84	107.00	292	148.00	713
39.00	5428	72.00	1563	110.00	274	149.00	225
40.00	43	73.00	12922	111.00	352	150.00	288
41.00	124	74.00	50672	112.00	170	152.00	195
43.00	137	75.00	154240	113.00	350	153.00	250
44.00	1716	76.00	12975	115.00	366	154.00	142
45.00	3018	77.00	2027	116.00	1031	155.00	587
46.00	276	78.00	1438	117.00	1758	157.00	467
47.00	4091	79.00	10718	118.00	1256	159.00	300
48.00	1707	80.00	3101	119.00	1505	161.00	332
49.00	13247	81.00	10458	124.00	129	172.00	178
50.00	62904	82.00	2298	125.00	124	172.00	177
51.00	18672	83.00	416	126.00	158	173.00	1106
52.00	655	85.00	25	128.00	1088	174.00	225728
53.00	161	86.00	307	129.00	515	175.00	16021
55.00	838	87.00	12770	130.00	1111	176.00	220416
56.00	4930	88.00	12779	131.00	432	177.00	14226
57.00	8902	91.00	1061	133.00	90	178.00	477
58.00	433	92.00	8251	134.00	60	191.00	52
59.00	63	93.00	12083	135.00	492	193.00	31
60.00	3044	94.00	33040	136.00	122	207.00	348
61.00	14192	95.00	304896	137.00	485	208.00	67
62.00	13950	96.00	19640	140.00	145	209.00	52
63.00	10792	97.00	547	141.00	2733	232.00	54
64.00	1045	98.00	172	142.00	321	260.00	89
65.00	62	100.00	55	143.00	2935		
67.00	637	103.00	294	144.00	139		
68.00	32584	104.00	1435	145.00	287		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-001.D

Injection Date: 10-Mar-2023 09:31:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

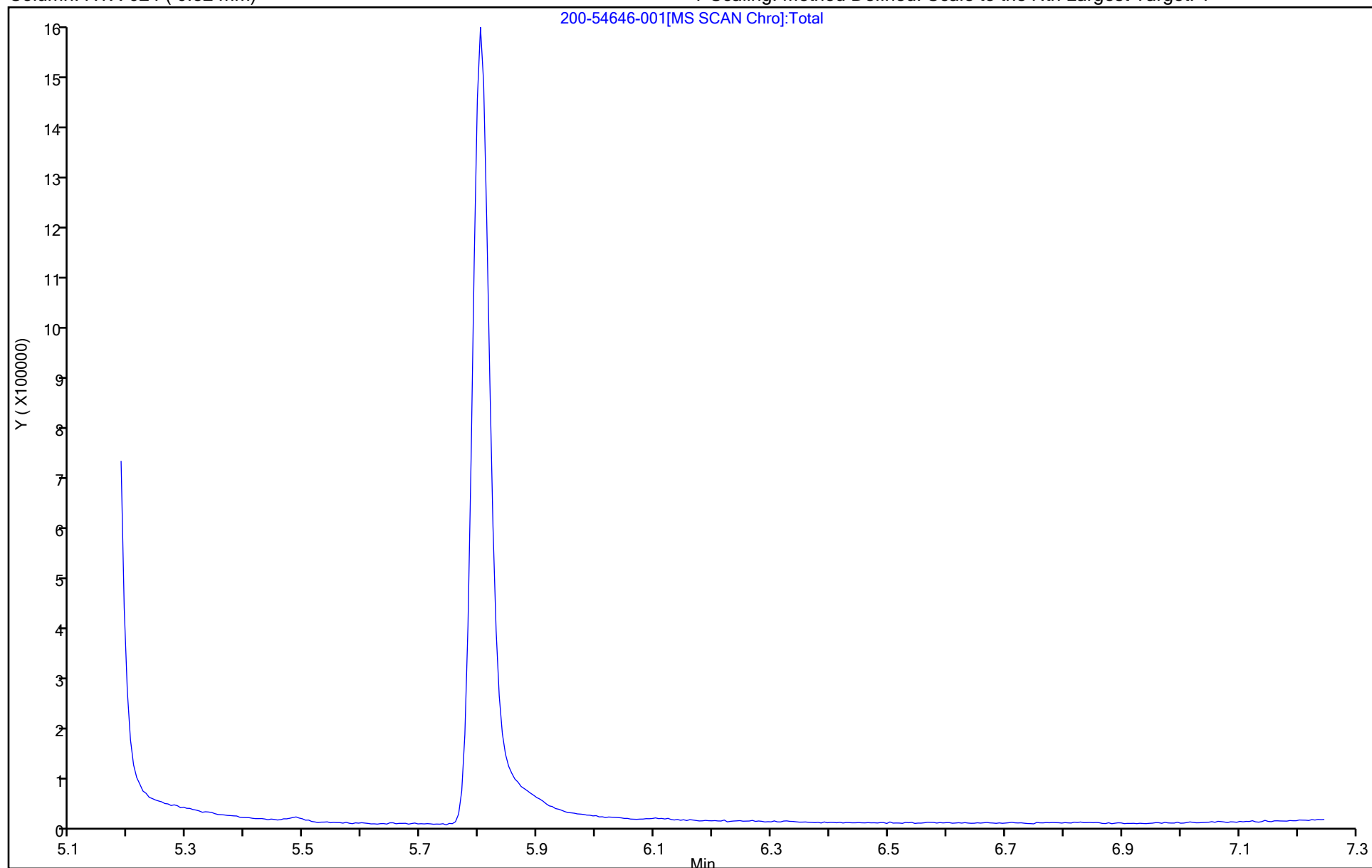
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230319-54753.b\200-54753-001.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 19-Mar-2023 09:58:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 11:25:14 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: puangmaleek

Date: 20-Mar-2023 11:25:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

20 BFB

* 37 Chlorobromomethane	128	9.241				10.0	ND
* 48 1,4-Difluorobenzene	114	11.231				10.0	ND
* 71 Chlorobenzene-d5	117	17.196				10.0	ND

QC Flag Legend

Processing Flags

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

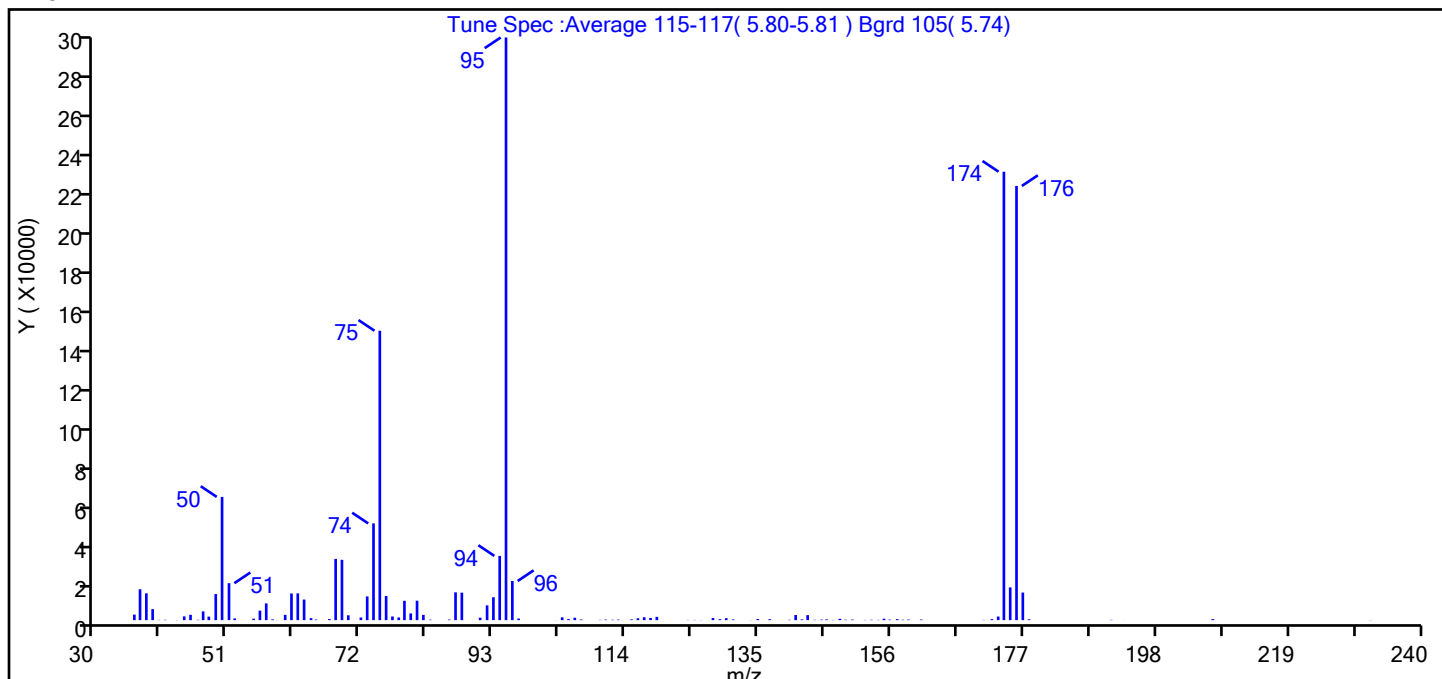
Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-001.D
Injection Date: 19-Mar-2023 09:58:30 Instrument ID: CHG.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_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

20 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	21.2
75	30.0 to 66.0 Percent of m/e 95	49.7
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.6 (0.8)
174	50.0 to 120.0 Percent of m/e 95	77.0
175	4.0 to 9.0 Percent of m/e 174	5.6 (7.3)
176	93.0 to 101.0 Percent of m/e 174	74.5 (96.8)
177	5.0 to 9.0 Percent of m/e 176	4.7 (6.4)

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-001.D\TO15_MasterMethod_(v1)_C
Injection Date: 19-Mar-2023 09:58:30
Spectrum: Tune Spec :Average 115-117(5.80-5.81) Bgrd 105(5.74)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2760	68.00	30480	106.00	1200	147.00	117
37.00	15380	69.00	30032	107.00	312	148.00	657
38.00	13358	70.00	2412	110.00	135	149.00	213
39.00	5479	72.00	1316	111.00	278	150.00	296
40.00	128	73.00	11816	112.00	198	152.00	106
41.00	176	74.00	48160	113.00	271	153.00	191
43.00	48	75.00	144064	115.00	385	154.00	132
44.00	1868	76.00	12031	116.00	932	155.00	711
45.00	2659	77.00	1826	117.00	1455	156.00	256
46.00	170	78.00	1340	118.00	1098	157.00	494
47.00	4350	79.00	9629	119.00	1631	158.00	213
48.00	1746	80.00	3346	124.00	104	159.00	284
49.00	12979	81.00	9686	125.00	118	161.00	314
50.00	61352	82.00	2620	126.00	74	171.00	117
51.00	18400	83.00	225	128.00	1050	172.00	499
52.00	868	86.00	315	129.00	479	173.00	1785
55.00	746	87.00	13823	130.00	963	174.00	223232
56.00	4745	88.00	13680	131.00	348	175.00	16289
57.00	8346	91.00	1231	134.00	56	176.00	216128
58.00	396	92.00	7352	135.00	584	177.00	13730
59.00	52	93.00	11393	137.00	466	178.00	404
60.00	2641	94.00	31976	140.00	196	191.00	168
61.00	13268	95.00	290048	141.00	2543	193.00	17
62.00	13325	96.00	19480	142.00	380	207.00	506
63.00	10249	97.00	791	143.00	2485	232.00	77
64.00	999	103.00	43	144.00	170		
65.00	295	104.00	1397	145.00	263		
67.00	542	105.00	538	146.00	372		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-001.D

Injection Date: 19-Mar-2023 09:58:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

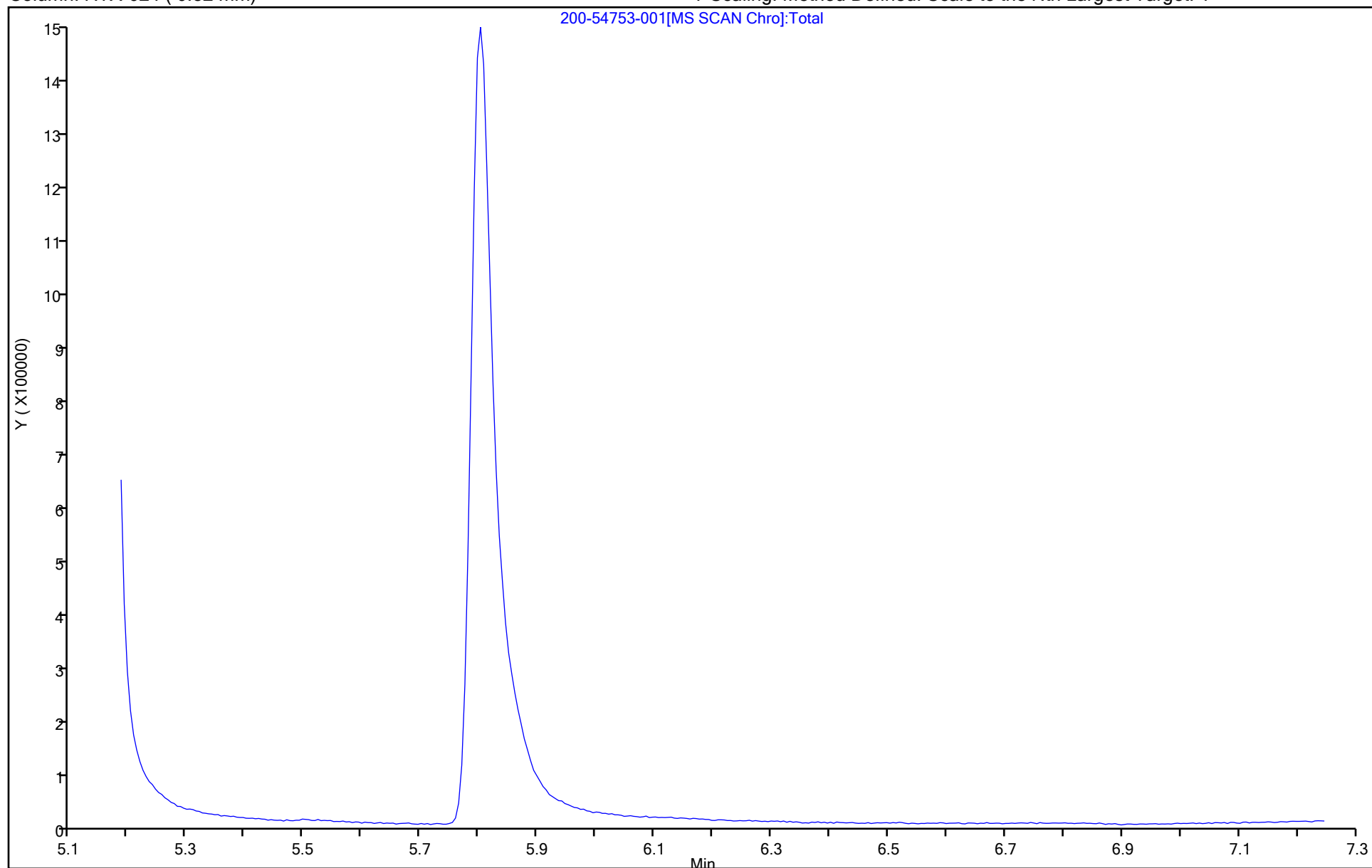
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230320-54759.b\200-54759-001.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 20-Mar-2023 07:26:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 07:44:45 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1645

First Level Reviewer: puangmaleek

Date: 21-Mar-2023 07:44:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

20 BFB

* 37 Chlorobromomethane	128		9.241				10.0	ND
* 48 1,4-Difluorobenzene	114		11.231				10.0	ND
* 71 Chlorobenzene-d5	117		17.190				10.0	ND

QC Flag Legend

Processing Flags

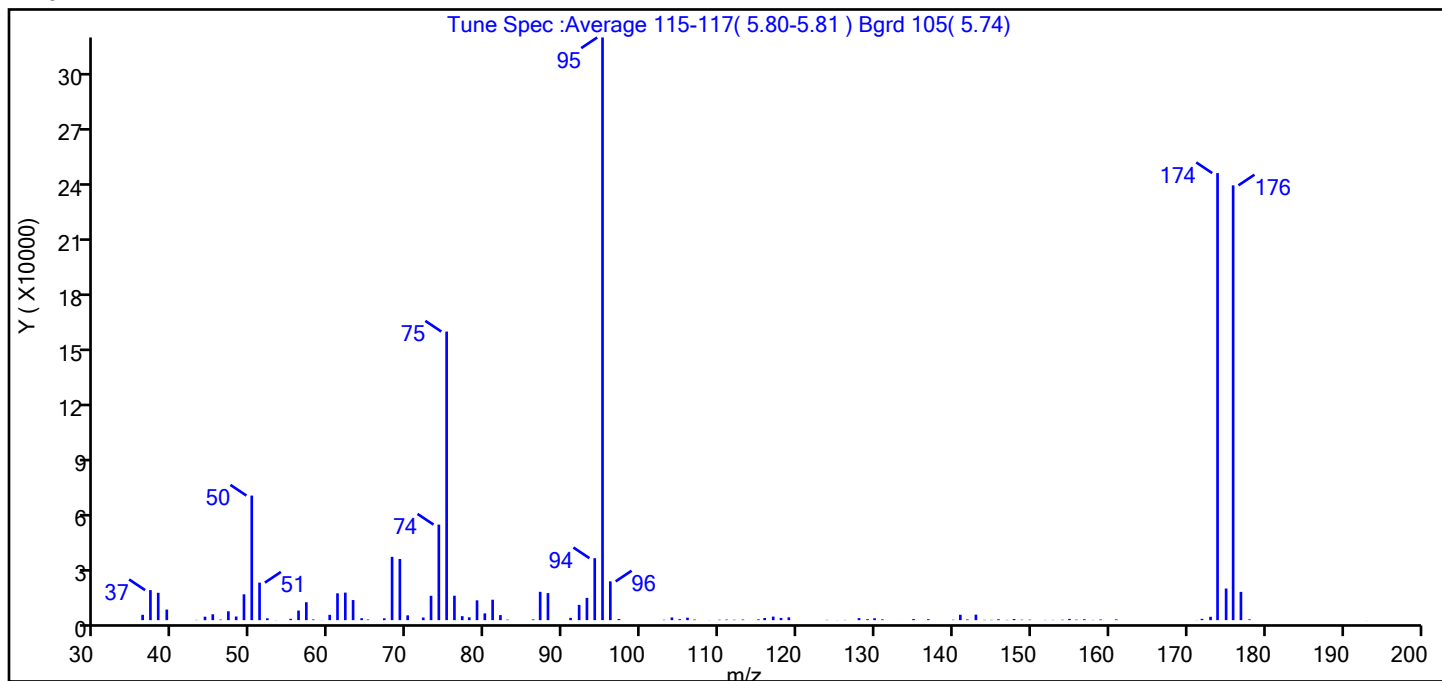
Reagents:

ATTO15GIS_00019 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-001.D
Injection Date: 20-Mar-2023 07:26:30 Instrument ID: CHG.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_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

20 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	21.4
75	30.0 to 66.0 Percent of m/e 95	49.5
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.6 (0.8)
174	50.0 to 120.0 Percent of m/e 95	76.7
175	4.0 to 9.0 Percent of m/e 174	5.4 (7.1)
176	93.0 to 101.0 Percent of m/e 174	74.6 (97.3)
177	5.0 to 9.0 Percent of m/e 176	4.8 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-001.D\TO15_MasterMethod_(v1)_C
Injection Date: 20-Mar-2023 07:26:30
Spectrum: Tune Spec :Average 115-117(5.80-5.81) Bgrd 105(5.74)
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	2864	67.00	973	104.00	1442	143.00	2966
37.00	16146	68.00	34032	105.00	530	144.00	171
38.00	14708	69.00	32888	106.00	1328	145.00	176
39.00	5686	70.00	2580	107.00	304	146.00	466
41.00	10	72.00	1425	109.00	56	147.00	150
43.00	126	73.00	13100	110.00	229	148.00	601
44.00	1860	74.00	51368	111.00	301	149.00	236
45.00	3150	75.00	155136	112.00	222	150.00	261
46.00	290	76.00	13123	113.00	327	152.00	115
47.00	4755	77.00	2152	115.00	402	153.00	145
48.00	1959	78.00	1514	116.00	1169	154.00	220
49.00	13898	79.00	10662	117.00	1905	155.00	664
50.00	66968	80.00	3642	118.00	1185	156.00	255
51.00	20168	81.00	10971	119.00	1497	157.00	492
52.00	975	82.00	2720	124.00	160	158.00	120
53.00	64	83.00	263	125.00	66	159.00	350
55.00	723	86.00	393	126.00	125	161.00	415
56.00	5166	87.00	15224	128.00	1091	171.00	51
57.00	9621	88.00	14548	129.00	509	172.00	702
58.00	366	91.00	1226	130.00	1018	173.00	1804
59.00	58	92.00	8205	131.00	405	174.00	240320
60.00	2855	93.00	11968	133.00	18	175.00	16992
61.00	14418	94.00	33312	135.00	587	176.00	233728
62.00	14804	95.00	313216	137.00	487	177.00	15188
63.00	10801	96.00	20840	140.00	203	178.00	403
64.00	1043	97.00	625	141.00	2893	193.00	37
65.00	328	103.00	215	142.00	370		

Report Date: 21-Mar-2023 07:44:45

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-001.D

Injection Date: 20-Mar-2023 07:26:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

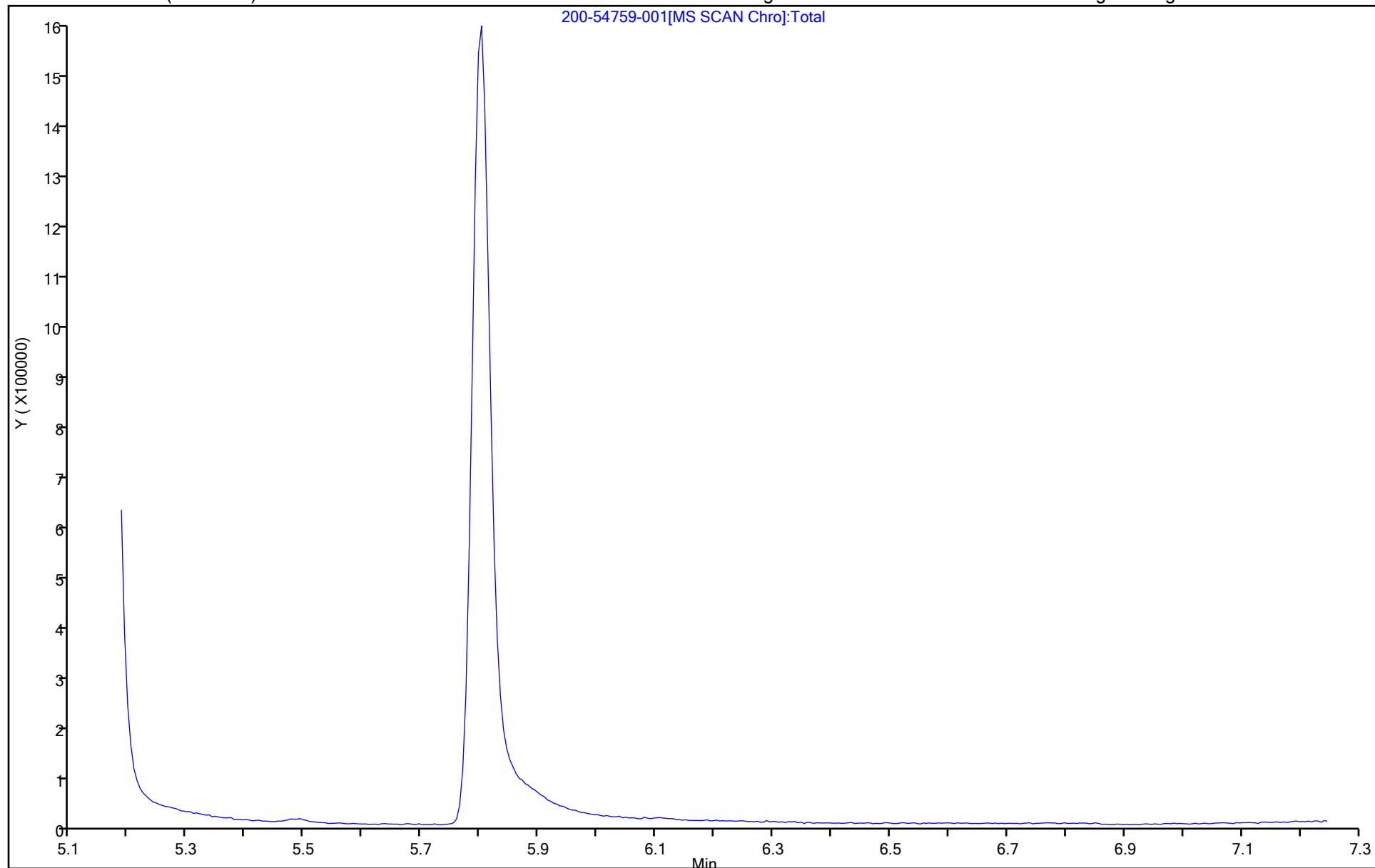
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_G

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.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: MB 200-189477/4

Matrix: Air Lab File ID: 200-54753-004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 12:29

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.: 189477 Units: ppb v/v

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	Freon 22	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	Freon TF	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.026
67-64-1	Acetone	58.08	5.0	U	5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone	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
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: MB 200-189477/4

Matrix: Air Lab File ID: 200-54753-004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 12:29

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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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	0.035	U	0.035	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	1.3
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	methyl isobutyl ketone	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.20	U	0.20	0.042
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	0.052
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.052
1330-20-7	Xylene (total)	106.17	0.70	U	0.70	0.052
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: _____ Lab Sample ID: MB 200-189477/4
 Matrix: Air Lab File ID: 200-54753-004.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 12:29
 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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	0.50	U	0.50	0.32

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: MB 200-189477/4

Matrix: Air Lab File ID: 200-54753-004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 12:29

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.: 189477 Units: ug/m3

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	Freon 22	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	Freon TF	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.10
67-64-1	Acetone	58.08	12	U	12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone	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
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: MB 200-189477/4

Matrix: Air Lab File ID: 200-54753-004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 12:29

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.: 189477 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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	0.19	U	0.19	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	4.7
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	methyl isobutyl ketone	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.75	U	0.75	0.16
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	0.23
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.23
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	0.23
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: _____ Lab Sample ID: MB 200-189477/4
Matrix: Air Lab File ID: 200-54753-004.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 12:29
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.: 189477 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	3.7	U	3.7	2.4

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-189477/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54753-004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/19/2023 12:29</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>189477</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 19-Mar-2023 12:29:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-004
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 11:29:29 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: puangmaleek

Date: 20-Mar-2023 11:29:43

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		3.099					ND	7
2 Dichlorodifluoromethane	85		3.158					ND	
3 Chlorodifluoromethane	51		3.179					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377					ND	
5 Chloromethane	50		3.457					ND	7
6 Vinyl chloride	62		3.655					ND	
7 Butane	43		3.661					ND	7
8 Butadiene	54		3.730					ND	
9 Bromomethane	94		4.228					ND	
10 Chloroethane	64		4.420					ND	
11 2-Methylbutane	43		4.581					ND	
12 Vinyl bromide	106		4.741					ND	
13 Trichlorofluoromethane	101		4.870					ND	
14 Pentane	43		5.036					ND	
15 Ethanol	45		5.153					ND	7
16 Ethyl ether	59		5.378					ND	
17 Acrolein	56		5.581					ND	
18 1,1-Dichloroethene	96		5.763					ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.795					ND	
19 Acetone	43		5.827					ND	7
22 Isopropyl alcohol	45		6.084					ND	7
23 Carbon disulfide	76		6.143					ND	
24 Acetonitrile	41		6.277					ND	7
25 3-Chloro-1-propene	41		6.394					ND	7
26 Methylene Chloride	49		6.608					ND	7
27 2-Methyl-2-propanol	59		6.812					ND	
28 Acrylonitrile	53		6.988					ND	
29 trans-1,2-Dichloroethene	61		7.095					ND	
30 Methyl tert-butyl ether	73		7.111					ND	
31 Hexane	57		7.604					ND	
32 1,1-Dichloroethane	63		7.844					ND	
33 Vinyl acetate	43		7.855					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 2-Butanone (MEK)	72		8.813					ND	
35 cis-1,2-Dichloroethene	96		8.823					ND	
36 Ethyl acetate	88		8.898					ND	
* 37 Chlorobromomethane	128	9.246	9.241	0.005	94	263427	10.0	10.0	
38 Tetrahydrofuran	42		9.315					ND	
39 Chloroform	83		9.422					ND	
S 43 1,2-Dichloroethene, Total	61		9.665					ND	7
40 1,1,1-Trichloroethane	97		9.754					ND	
41 Cyclohexane	84		9.904					ND	
42 Carbon tetrachloride	117		10.048					ND	
44 Benzene	78	10.418	10.417	0.001	97	4114		0.0397	
45 1,2-Dichloroethane	62		10.492					ND	
46 Isooctane	57		10.674					ND	
47 n-Heptane	43		11.017					ND	7
* 48 1,4-Difluorobenzene	114	11.236	11.231	0.005	95	1451810	10.0	10.0	
49 n-Butanol	56		11.530					ND	
50 Trichloroethene	95		11.712					ND	
51 1,2-Dichloropropane	63		12.215					ND	
54 Methyl methacrylate	69		12.349					ND	
53 Dibromomethane	174		12.386					ND	7
55 1,4-Dioxane	88		12.386					ND	
A 57 GRO	1	12.523	(4.571-20.474)		0	2790069		0	
56 Dichlorobromomethane	83		12.739					ND	
58 cis-1,3-Dichloropropene	75		13.633					ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943					ND	
A 62 TVOC as Toluene	92	14.253	(3.089-25.417)		0	2835774		0	
A 61 Toluene Range	92	14.333	(14.293-14.373)		0	7705		NC	
60 Toluene	92	14.334	14.334	0.001	91	2224		0.0411	M
63 n-Octane	43		14.638					ND	
A 64 C8 Range	1	14.638	(14.588-14.688)		0	3085		NC	
65 trans-1,3-Dichloropropene	75		14.783					ND	
66 1,1,2-Trichloroethane	83		15.179					ND	
67 Tetrachloroethene	166		15.403					ND	
68 2-Hexanone	43		15.655					ND	
69 Chlorodibromomethane	129		15.965					ND	
70 Ethylene Dibromide	107		16.217					ND	7
* 71 Chlorobenzene-d5	117	17.196	17.196	0.000	86	995767	10.0	10.0	
72 Chlorobenzene	112		17.254					ND	MU
73 Ethylbenzene	91	17.469	17.474	-0.005	96	5637		0.0480	
74 m-Xylene & p-Xylene	106		17.757					ND	7
75 n-Nonane	57		17.848					ND	
76 o-Xylene	106	18.565	18.565	0.000	96	1721		0.0412	
77 Styrene	104		18.597					ND	7
78 Bromoform	173		18.961					ND	
79 Isopropylbenzene	105		19.330					ND	7
S 82 Xylenes, Total	106				0			0.0412	
80 1,1,2,2-Tetrachloroethane	83		19.876					ND	7
81 1,2,3-Trichloropropane	75		19.977					ND	
83 N-Propylbenzene	91		20.100					ND	7
84 2-Chlorotoluene	91		20.245					ND	7
85 4-Ethyltoluene	105	20.309	20.309	0.000	92	1329		0.0126	
86 1,3,5-Trimethylbenzene	105		20.411					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57		20.464					ND	7
88 Alpha Methyl Styrene	118		20.753					ND	MU
89 tert-Butylbenzene	119		20.919					ND	7
90 1,2,4-Trimethylbenzene	105		21.010					ND	7
91 sec-Butylbenzene	105		21.256					ND	7
92 1,3-Dichlorobenzene	146	21.422	21.422	0.000	93	2300		0.0368	
93 4-Isopropyltoluene	119		21.486					ND	MU
94 1,4-Dichlorobenzene	146	21.572	21.572	0.000	93	2572		0.0407	
95 Benzyl chloride	91	21.727	21.727	0.000	91	1678		0.0192	
97 n-Butylbenzene	91		22.053					ND	MU
96 1,2-Dichlorobenzene	146		22.069					ND	MU
98 Undecane	57		22.219					ND	7
99 Dodecane	57		23.813					ND	7
100 1,2,4-Trichlorobenzene	180		24.525					ND	MU
101 Hexachlorobutadiene	225		24.776					ND	7
102 Naphthalene	128		24.995					ND	MU
103 1,2,3-Trichlorobenzene	180		25.407					ND	MU

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D

Injection Date: 19-Mar-2023 12:29:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

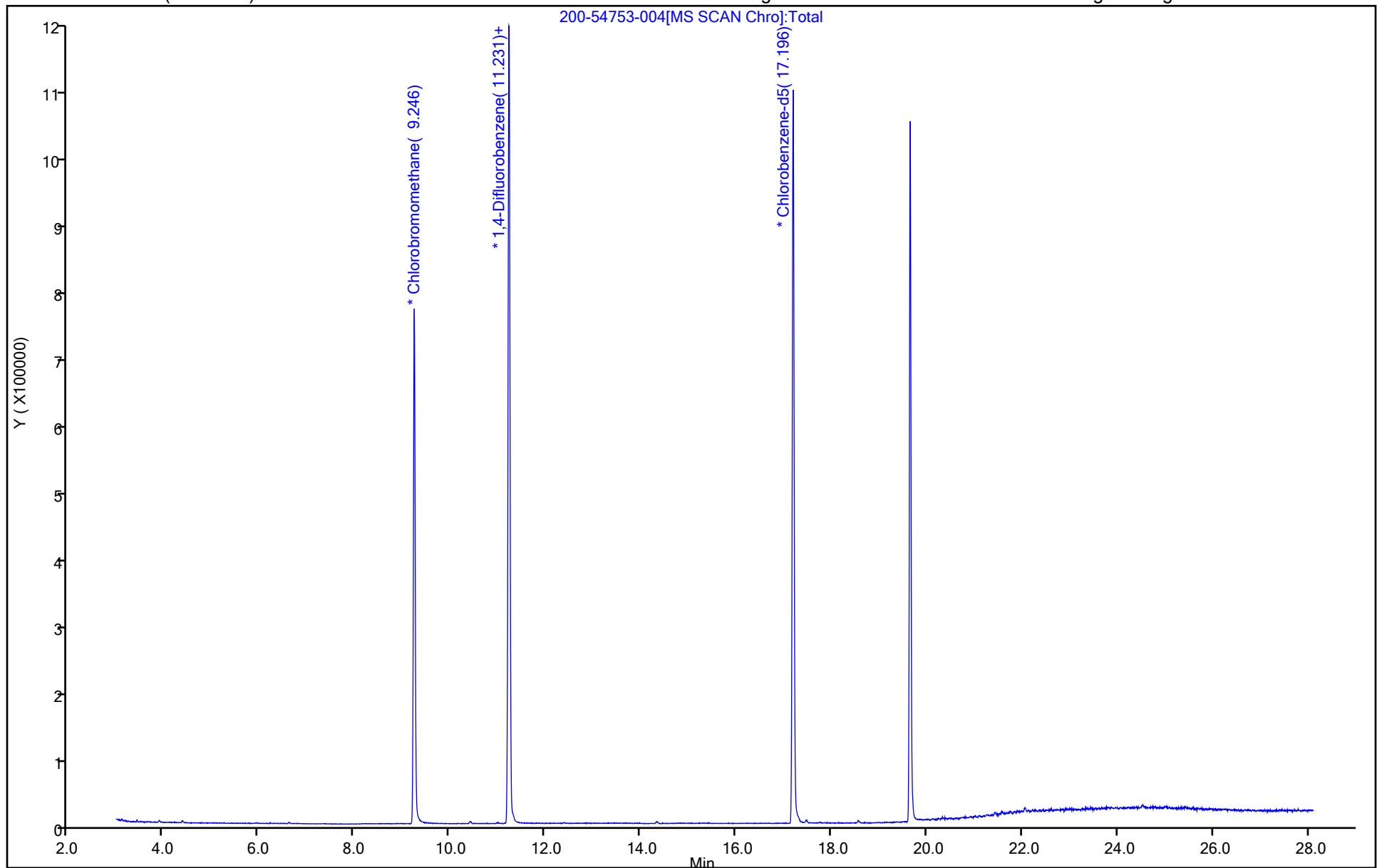
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins Burlington

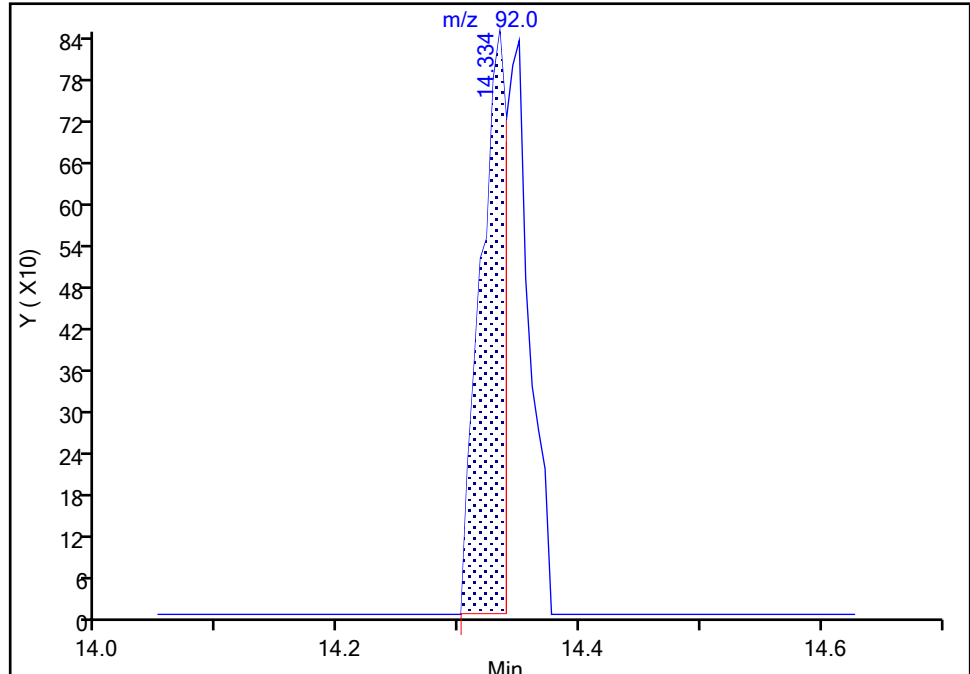
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D
Injection Date: 19-Mar-2023 12:29:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Signal: 1

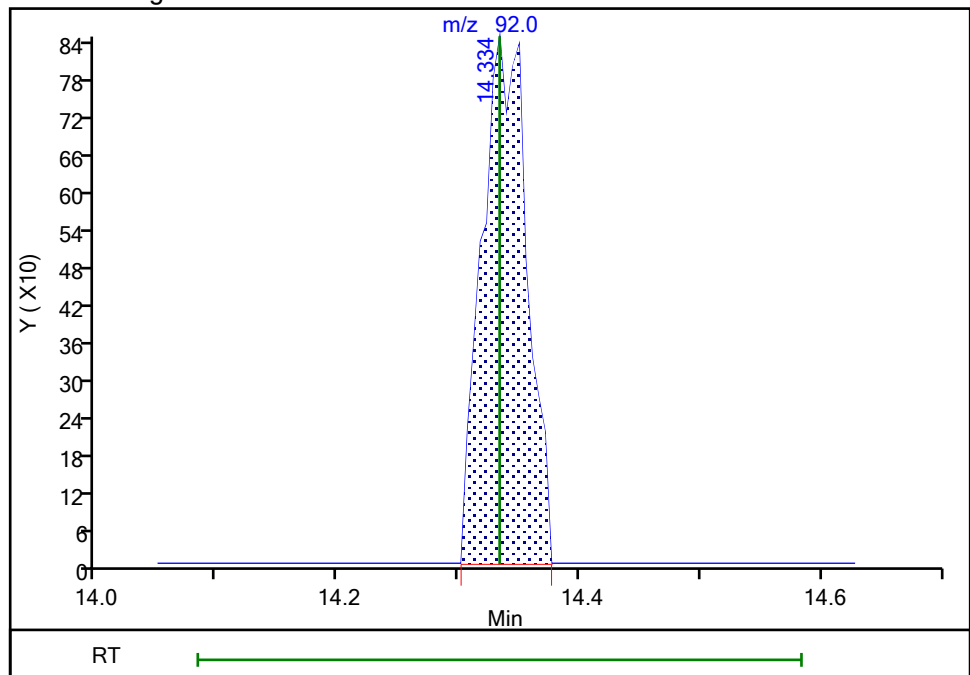
RT: 14.33
Area: 1281
Amount: 0.023661
Amount Units: ppb v/v

Processing Integration Results



RT: 14.33
Area: 2224
Amount: 0.041079
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 20-Mar-2023 11:28:48

Audit Action: Manually Integrated

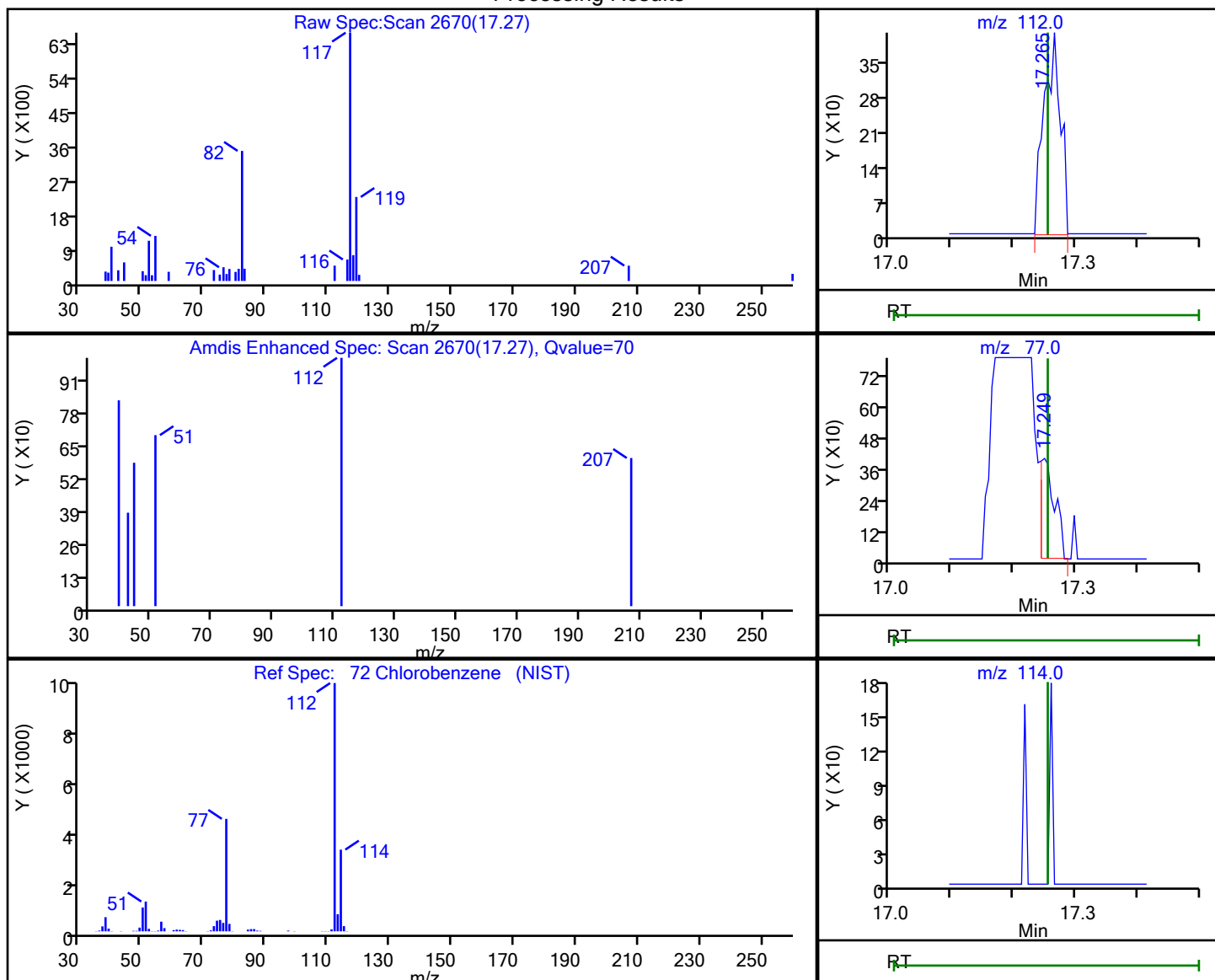
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D
Injection Date: 19-Mar-2023 12:29:30 Instrument ID: CHG.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_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

72 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
17.27	112.00	754	0.010504
17.25	77.00	633	
17.25	114.00	0	

Reviewer: BKZ7, 19-Mar-2023 13:20:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D

Injection Date: 19-Mar-2023 12:29:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

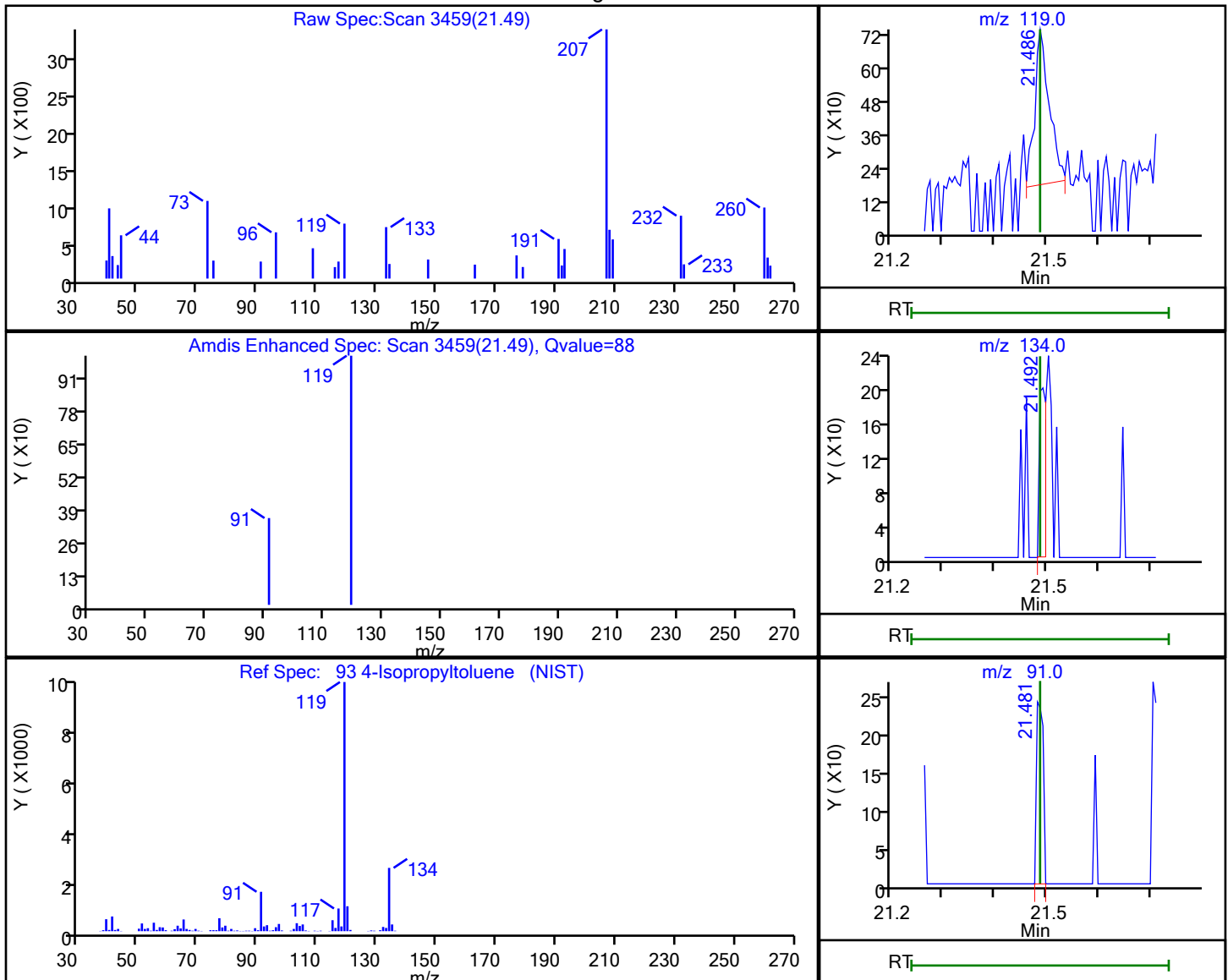
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

93 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
21.49	119.00	1113	0.011752
21.49	134.00	186	
21.48	91.00	215	

Reviewer: BKZ7, 19-Mar-2023 13:20:31

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D

Injection Date: 19-Mar-2023 12:29:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

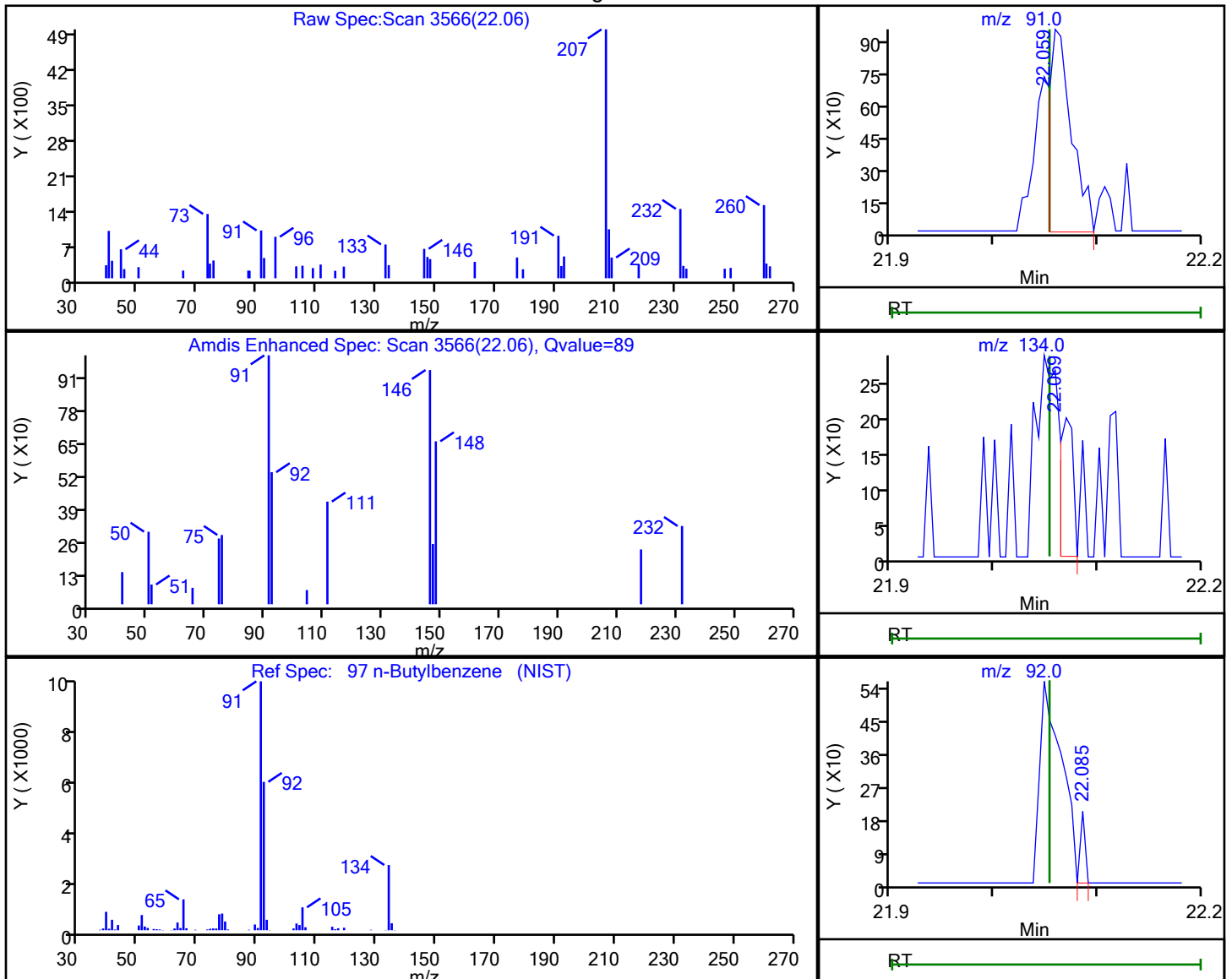
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

97 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
22.06	91.00	1413	0.015075
22.07	134.00	173	
22.09	92.00	63	

Reviewer: BKZ7, 19-Mar-2023 13:20:26

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D

Injection Date: 19-Mar-2023 12:29:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

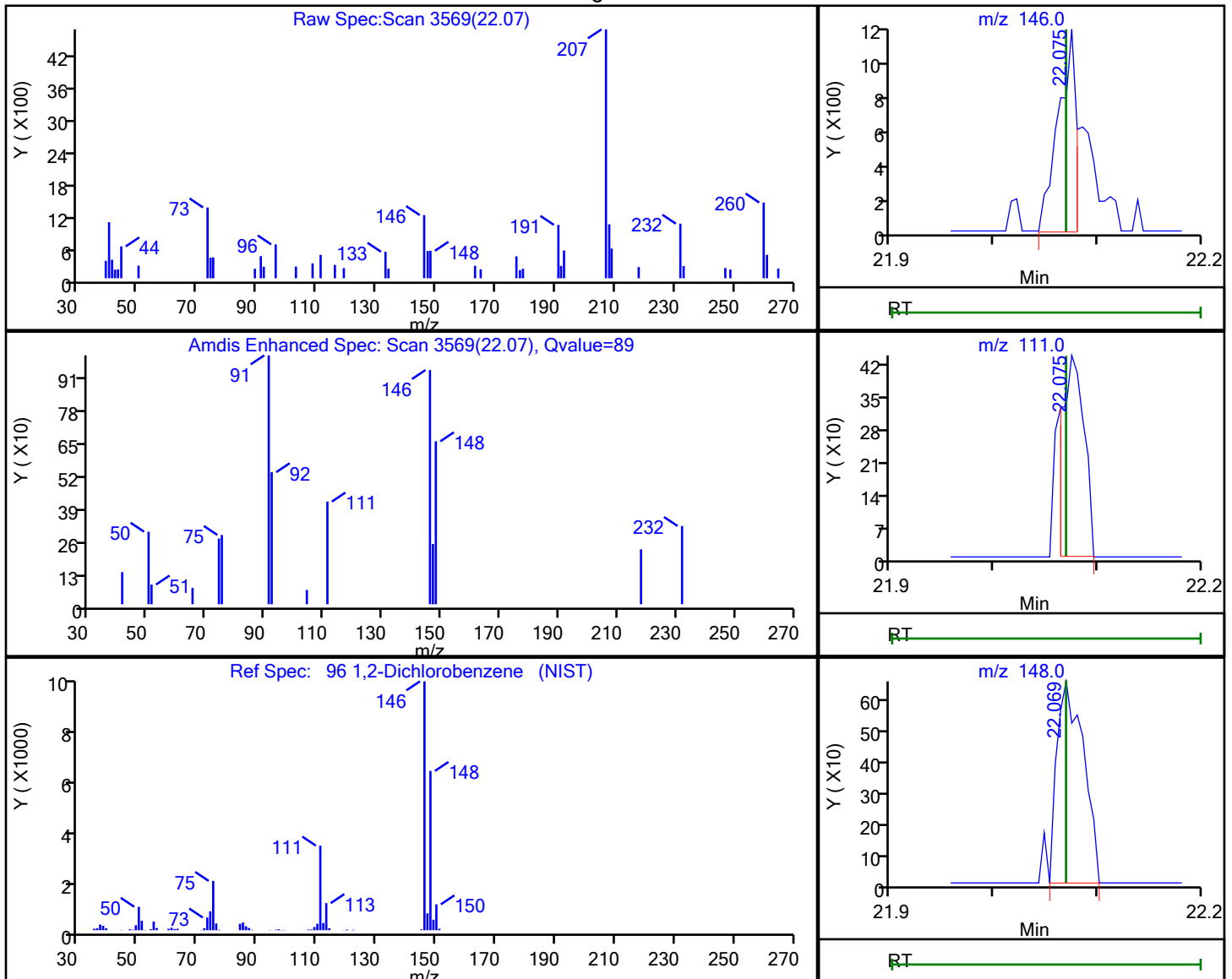
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

96 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
22.07	146.00	1420	0.023808
22.07	111.00	647	
22.07	148.00	1165	

Reviewer: BKZ7, 19-Mar-2023 13:20:22

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D

Injection Date: 19-Mar-2023 12:29:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

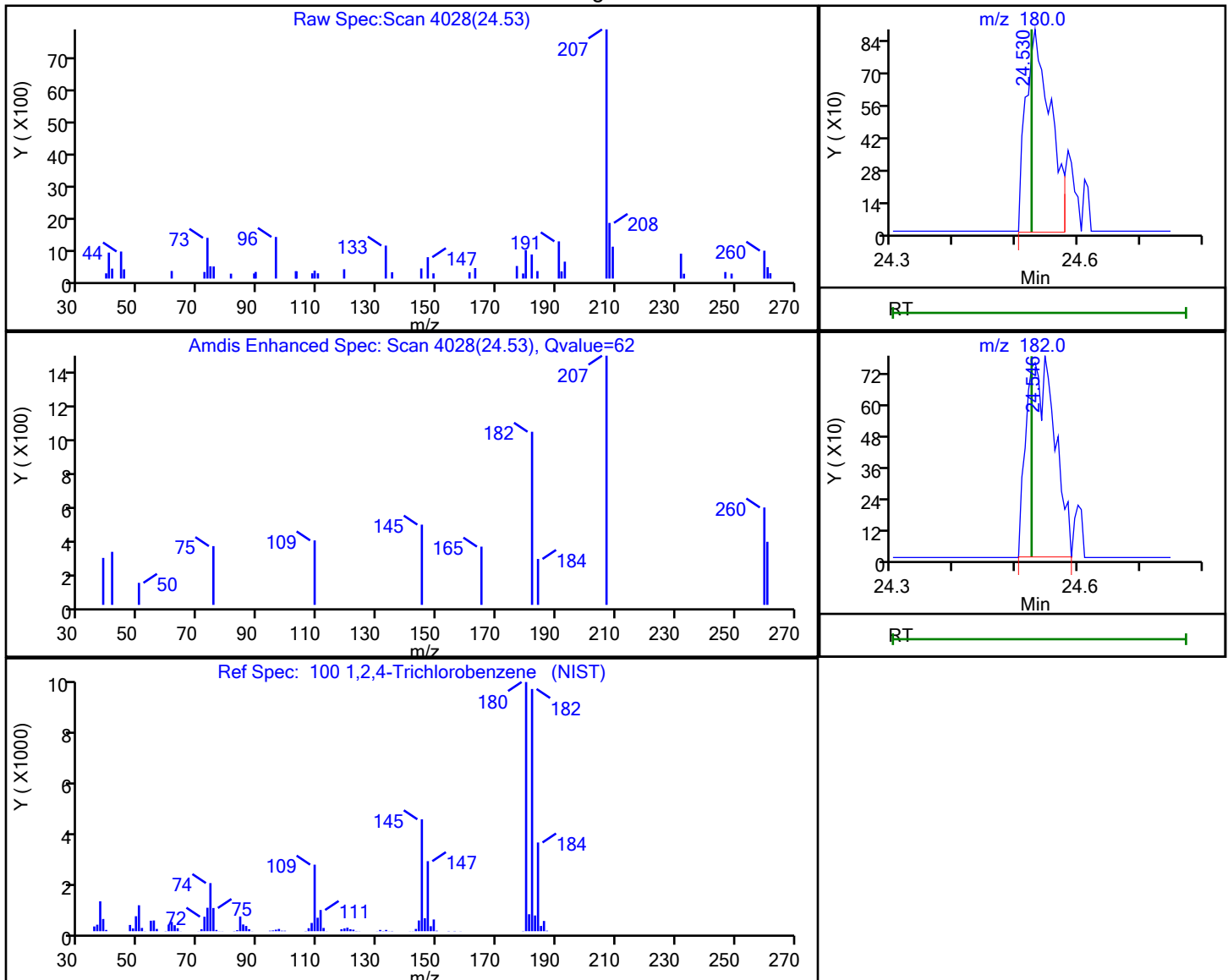
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

100 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
24.53	180.00	2472	0.056596
24.55	182.00	2476	

Reviewer: BKZ7, 19-Mar-2023 13:20:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D

Injection Date: 19-Mar-2023 12:29:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

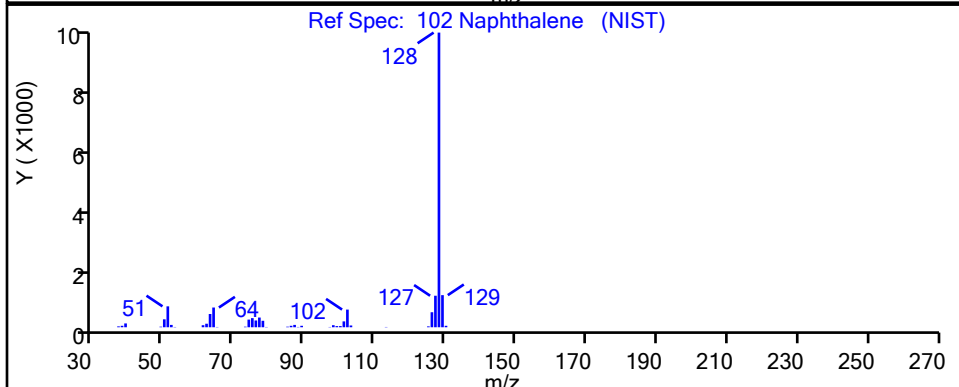
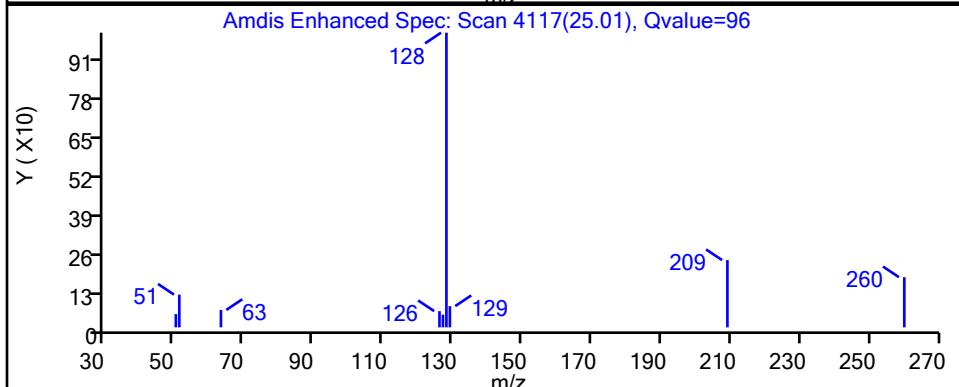
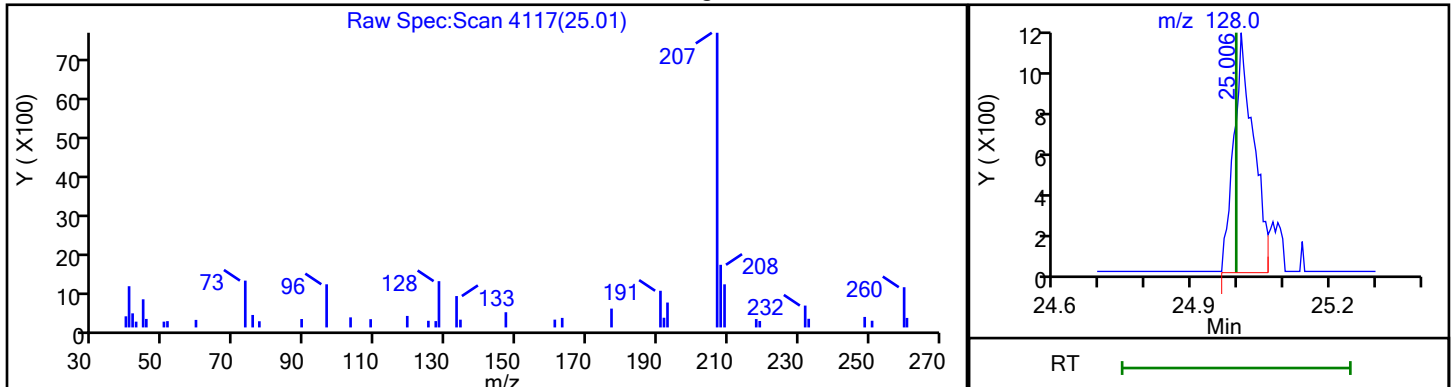
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

102 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
25.01	128.00	3591	0.036732

Reviewer: BKZ7, 19-Mar-2023 13:20:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-004.D

Injection Date: 19-Mar-2023 12:29:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

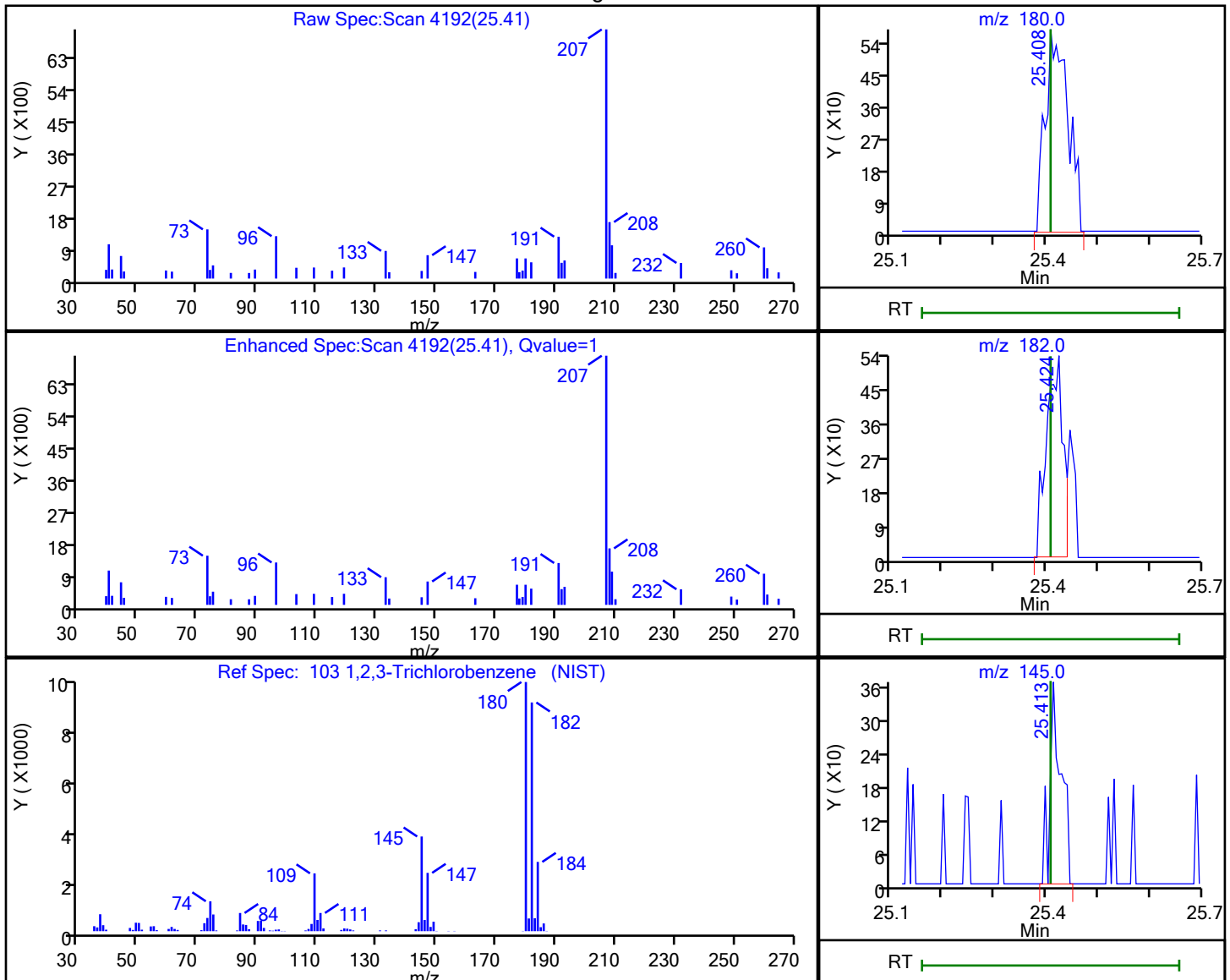
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

103 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results



RT	Mass	Response	Amount
25.41	180.00	1734	0.048706
25.42	182.00	1211	
25.41	145.00	560	

Reviewer: BKZ7, 19-Mar-2023 13:20:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: MB 200-189486/4

Matrix: Air Lab File ID: 200-54759-004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:59

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.: 189486 Units: ppb v/v

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	Freon 22	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	Freon TF	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.035	U	0.035	0.026
67-64-1	Acetone	58.08	5.0	U	5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone	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
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: MB 200-189486/4

Matrix: Air Lab File ID: 200-54759-004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:59

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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	0.035	U	0.035	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	1.3
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	methyl isobutyl ketone	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.20	U	0.20	0.042
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	0.052
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.052
1330-20-7	Xylene (total)	106.17	0.70	U	0.70	0.052
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: _____ Lab Sample ID: MB 200-189486/4
Matrix: Air Lab File ID: 200-54759-004.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:59
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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	0.50	U	0.50	0.32

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: MB 200-189486/4

Matrix: Air Lab File ID: 200-54759-004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:59

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.: 189486 Units: ug/m3

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	Freon 22	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	Freon TF	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.14	U	0.14	0.10
67-64-1	Acetone	58.08	12	U	12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone	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
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: MB 200-189486/4

Matrix: Air Lab File ID: 200-54759-004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:59

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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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	0.19	U	0.19	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	4.7
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	methyl isobutyl ketone	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.75	U	0.75	0.16
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	0.23
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.23
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	0.23
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
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

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: _____ Lab Sample ID: MB 200-189486/4
Matrix: Air Lab File ID: 200-54759-004.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:59
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.: 189486 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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
87-61-6	1,2,3-Trichlorobenzene	181.40	3.7	U	3.7	2.4

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-67137-1</u>
SDG No.: <u>200-67137</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-189486/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54759-004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/20/2023 09:59</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>189486</u>	Units: <u>ppb v/v</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-004.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 20-Mar-2023 09:59:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-004
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 07:56:47 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1645

First Level Reviewer: puangmaleek

Date: 21-Mar-2023 07:56:47

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		3.099					ND	7
2 Dichlorodifluoromethane	85		3.158					ND	
3 Chlorodifluoromethane	51		3.179					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.377					ND	
5 Chloromethane	50		3.458					ND	7
6 Vinyl chloride	62		3.656					ND	
7 Butane	43		3.661					ND	7
8 Butadiene	54		3.730					ND	
9 Bromomethane	94		4.228					ND	
10 Chloroethane	64		4.421					ND	
11 2-Methylbutane	43		4.581					ND	
12 Vinyl bromide	106		4.742					ND	
13 Trichlorofluoromethane	101		4.870					ND	
14 Pentane	43		5.036					ND	
15 Ethanol	45		5.153					ND	7
16 Ethyl ether	59		5.378					ND	
17 Acrolein	56		5.576					ND	
18 1,1-Dichloroethene	96		5.763					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.795					ND	
19 Acetone	43		5.827					ND	7
22 Isopropyl alcohol	45		6.084					ND	
23 Carbon disulfide	76		6.143					ND	
24 Acetonitrile	41		6.277					ND	
25 3-Chloro-1-propene	41		6.395					ND	
26 Methylene Chloride	49		6.603					ND	7
27 2-Methyl-2-propanol	59		6.817					ND	
28 Acrylonitrile	53		6.988					ND	
29 trans-1,2-Dichloroethene	61		7.095					ND	
30 Methyl tert-butyl ether	73		7.117					ND	
31 Hexane	57		7.604					ND	
32 1,1-Dichloroethane	63		7.839					ND	
33 Vinyl acetate	43		7.850					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 2-Butanone (MEK)	72		8.807					ND	
35 cis-1,2-Dichloroethene	96		8.823					ND	
36 Ethyl acetate	88		8.898					ND	
* 37 Chlorobromomethane	128	9.246	9.241	0.005	85	230590	10.0	10.0	
38 Tetrahydrofuran	42		9.315					ND	
39 Chloroform	83		9.422					ND	
S 43 1,2-Dichloroethene, Total	61		9.665					ND	7
40 1,1,1-Trichloroethane	97		9.749					ND	
41 Cyclohexane	84		9.904					ND	
42 Carbon tetrachloride	117		10.043					ND	
44 Benzene	78	10.423	10.412	0.011	89	3166		0.0320	
45 1,2-Dichloroethane	62		10.487					ND	
46 Isooctane	57		10.669					ND	
47 n-Heptane	43		11.017					ND	7
* 48 1,4-Difluorobenzene	114	11.236	11.231	0.005	94	1385583	10.0	10.0	
49 n-Butanol	56		11.536					ND	
50 Trichloroethene	95		11.712					ND	
51 1,2-Dichloropropane	63		12.215					ND	
54 Methyl methacrylate	69		12.349					ND	
53 Dibromomethane	174		12.386					ND	7
55 1,4-Dioxane	88		12.392					ND	
A 57 GRO	1	12.523	(4.571-20.474)		0	3207645		0	
56 Dichlorobromomethane	83		12.734					ND	
58 cis-1,3-Dichloropropene	75		13.627					ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.943					ND	
A 62 TVOC as Toluene	92	14.251	(3.089-25.412)		0	3242237		0	
A 61 Toluene Range	92	14.328	(14.288-14.368)		0	9723		NC	
60 Toluene	92	14.328	14.328	0.000	91	2320		0.0392	
63 n-Octane	43		14.633					ND	
A 64 C8 Range	1		(14.583-14.521)					ND	
65 trans-1,3-Dichloropropene	75		14.778					ND	
66 1,1,2-Trichloroethane	83		15.179					ND	
67 Tetrachloroethene	166		15.398					ND	
68 2-Hexanone	43		15.655					ND	
69 Chlorodibromomethane	129		15.965					ND	
70 Ethylene Dibromide	107		16.211					ND	7
* 71 Chlorobenzene-d5	117	17.196	17.190	0.006	86	1088535	10.0	10.0	
72 Chlorobenzene	112		17.254					ND	7
73 Ethylbenzene	91	17.479	17.468	0.011	97	6337		0.0493	
74 m-Xylene & p-Xylene	106		17.752					ND	7
75 n-Nonane	57		17.843					ND	
76 o-Xylene	106	18.560	18.560	0.000	95	1606		0.0351	
77 Styrene	104		18.597					ND	7
78 Bromoform	173		18.961					ND	
79 Isopropylbenzene	105		19.330					ND	7
S 82 Xylenes, Total	106				0			0.0351	
80 1,1,2,2-Tetrachloroethane	83		19.876					ND	7
81 1,2,3-Trichloropropane	75		19.977					ND	
83 N-Propylbenzene	91		20.095					ND	7
84 2-Chlorotoluene	91		20.245					ND	7
85 4-Ethyltoluene	105		20.309					ND	7
86 1,3,5-Trimethylbenzene	105		20.411					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
87 n-Decane	57		20.464					ND	
88 Alpha Methyl Styrene	118		20.753					ND	7
89 tert-Butylbenzene	119		20.914					ND	7
90 1,2,4-Trimethylbenzene	105	21.005	21.005	0.000	88	1142		0.0117	
91 sec-Butylbenzene	105		21.256					ND	7
92 1,3-Dichlorobenzene	146	21.422	21.422	0.000	95	2532		0.0370	
93 4-Isopropyltoluene	119		21.481					ND	7
94 1,4-Dichlorobenzene	146	21.572	21.572	0.000	91	2642		0.0383	
95 Benzyl chloride	91	21.727	21.721	0.006	93	1599		0.0167	
97 n-Butylbenzene	91	22.048	22.048	0.000	90	1779		0.0174	
96 1,2-Dichlorobenzene	146	22.069	22.069	0.000	88	2349		0.0360	
98 Undecane	57		22.219					ND	
99 Dodecane	57		23.813					ND	7
100 1,2,4-Trichlorobenzene	180	24.530	24.519	0.011	89	3238		0.0678	
101 Hexachlorobutadiene	225		24.776					ND	7
102 Naphthalene	128	25.001	25.001	0.006	98	5487		0.0513	M
103 1,2,3-Trichlorobenzene	180	25.413	25.402	0.011	86	2137		0.0549	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2023 07:56:48

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-004.D

Injection Date: 20-Mar-2023 09:59:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

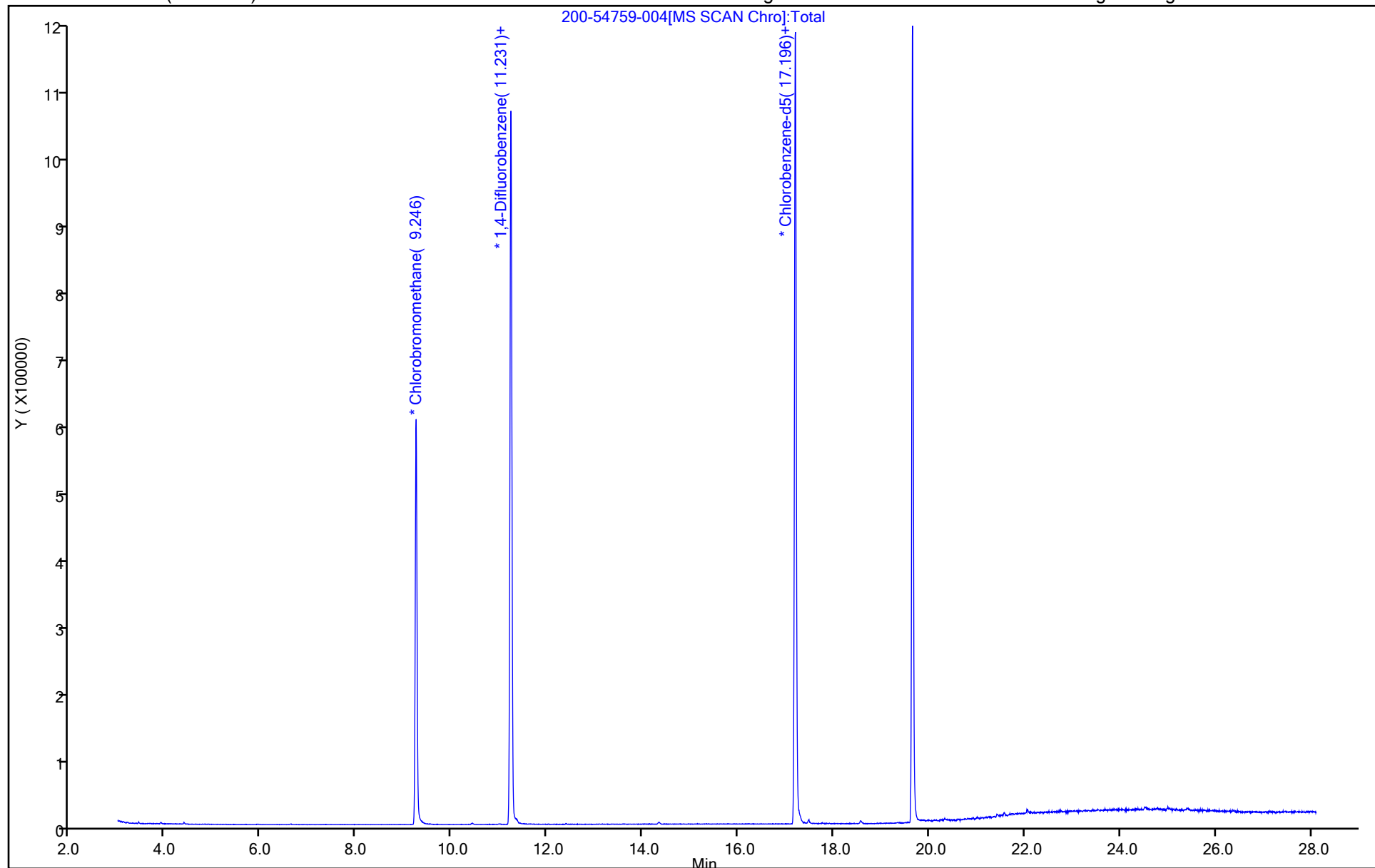
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins Burlington

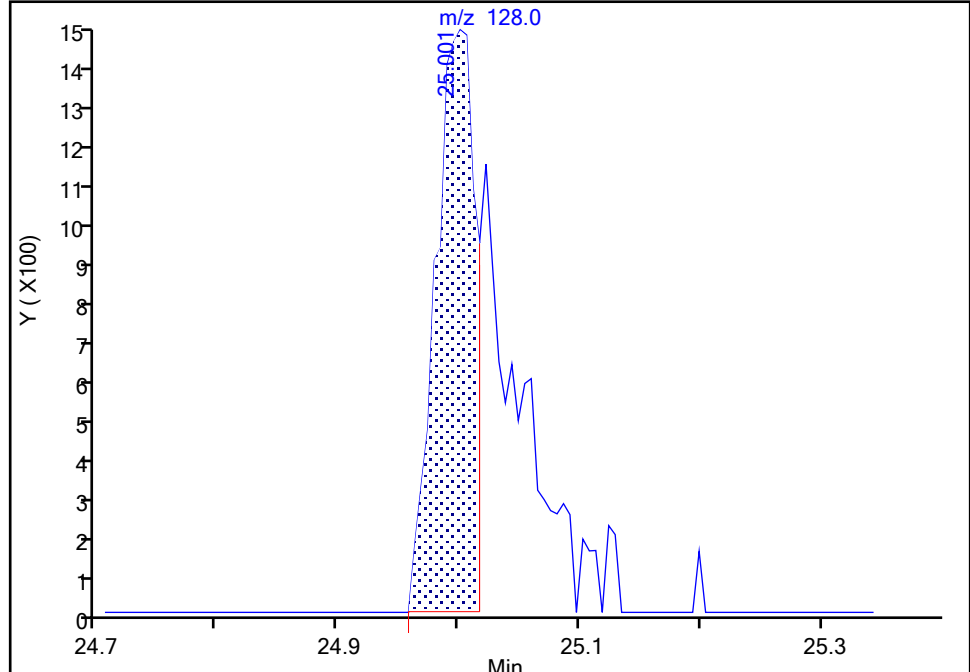
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-004.D
Injection Date: 20-Mar-2023 09:59:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

102 Naphthalene, CAS: 91-20-3

Signal: 1

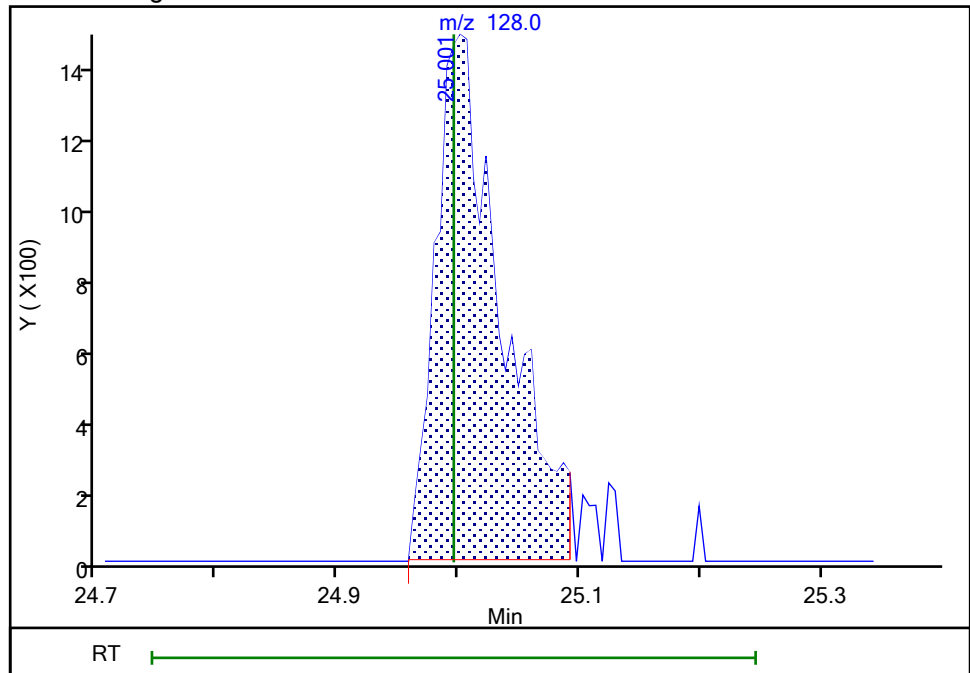
RT: 25.00
Area: 3289
Amount: 0.030775
Amount Units: ppb v/v

Processing Integration Results



RT: 25.00
Area: 5487
Amount: 0.051342
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 21-Mar-2023 07:52:22

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: LCS 200-189477/5

Matrix: Air Lab File ID: 200-54753-005.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 13:21

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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	10.3		0.50	0.11
75-45-6	Freon 22	86.47	10.3		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.1		0.20	0.048
74-87-3	Chloromethane	50.49	10.2		0.50	0.15
106-97-8	n-Butane	58.12	10.4		0.50	0.20
75-01-4	Vinyl chloride	62.50	10.1		0.078	0.021
106-99-0	1,3-Butadiene	54.09	9.46		0.20	0.039
74-83-9	Bromomethane	94.94	10.2		0.20	0.071
75-00-3	Chloroethane	64.52	10.4		0.50	0.18
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.57		0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	8.90		0.20	0.050
76-13-1	Freon TF	187.38	10.0		0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	9.19		0.035	0.026
67-64-1	Acetone	58.08	10.4		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	10.5		5.0	1.6
75-15-0	Carbon disulfide	76.14	10.3		0.50	0.13
107-05-1	3-Chloropropene	76.53	9.90		0.50	0.12
75-09-2	Methylene Chloride	84.93	9.89		0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	10.1		5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	9.82		0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	9.94		0.20	0.023
110-54-3	n-Hexane	86.17	9.55		0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	10.3		0.20	0.025
78-93-3	Methyl Ethyl Ketone	72.11	9.51		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	10.1		0.050	0.021
540-59-0	1,2-Dichloroethene, Total	96.94	20.0		0.40	0.021
67-66-3	Chloroform	119.38	9.82		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	11.3		5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	10.3		0.20	0.044
110-82-7	Cyclohexane	84.16	10.3		0.20	0.058
56-23-5	Carbon tetrachloride	153.81	11.2		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	10.2		0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: LCS 200-189477/5

Matrix: Air Lab File ID: 200-54753-005.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 13:21

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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	10.2		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	10.3		0.20	0.093
142-82-5	n-Heptane	100.21	10.0		0.20	0.055
79-01-6	Trichloroethene	131.39	10.4		0.035	0.025
80-62-6	Methyl methacrylate	100.12	10.2		0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	10.7		0.20	0.094
123-91-1	1,4-Dioxane	88.11	11.2		5.0	1.3
75-27-4	Bromodichloromethane	163.83	10.5		0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	10.4		0.20	0.045
108-10-1	methyl isobutyl ketone	100.16	8.77		0.50	0.13
108-88-3	Toluene	92.14	9.82		0.20	0.042
10061-02-6	trans-1,3-Dichloropropene	110.97	9.90		0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	9.85		0.20	0.074
127-18-4	Tetrachloroethene	165.83	10.5		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.3		0.50	0.15
124-48-1	Dibromochloromethane	208.28	10.5		0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	10.6		0.20	0.042
108-90-7	Chlorobenzene	112.56	10.6		0.20	0.044
100-41-4	Ethylbenzene	106.17	10.1		0.20	0.052
179601-23-1	m,p-Xylene	106.17	21.3		0.50	0.095
95-47-6	Xylene, o-	106.17	9.98		0.20	0.052
1330-20-7	Xylene (total)	106.17	31.3		0.70	0.052
100-42-5	Styrene	104.15	10.2		0.20	0.059
75-25-2	Bromoform	252.75	10.7		0.20	0.12
98-82-8	Cumene	120.19	10.3		0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.7		0.20	0.043
103-65-1	n-Propylbenzene	120.19	10.3		0.20	0.047
622-96-8	4-Ethyltoluene	120.20	10.2		0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	9.92		0.20	0.047
95-49-8	2-Chlorotoluene	126.59	10.3		0.20	0.046
98-06-6	tert-Butylbenzene	134.22	9.67		0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	9.97		0.20	0.080

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
 SDG No.: 200-67137
 Client Sample ID: _____ Lab Sample ID: LCS 200-189477/5
 Matrix: Air Lab File ID: 200-54753-005.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 03/19/2023 13:21
 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.: 189477 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	9.70		0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	9.56		0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	10.1		0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	9.96		0.20	0.089
100-44-7	Benzyl chloride	126.58	11.1		0.20	0.088
104-51-8	n-Butylbenzene	134.22	9.87		0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	10.2		0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	10.2		0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	8.55		0.20	0.11
91-20-3	Naphthalene	128.17	11.0		0.50	0.30
87-61-6	1,2,3-Trichlorobenzene	181.40	10.4		0.50	0.32

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-005.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 19-Mar-2023 13:21:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054753-005
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 20-Mar-2023 11:29:29 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: puangmaleek

Date: 20-Mar-2023 11:30:47

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	3.105	3.099	0.006	97	243505	10.0	11.1	
2 Dichlorodifluoromethane	85	3.158	3.160	0.000	100	868177	10.0	10.3	
3 Chlorodifluoromethane	51	3.185	3.179	0.006	97	502991	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.377	3.379	0.000	96	793055	10.0	10.1	
5 Chloromethane	50	3.458	3.457	0.001	99	277100	10.0	10.2	
6 Vinyl chloride	62	3.661	3.658	0.006	98	264904	10.0	10.1	
7 Butane	43	3.666	3.661	0.005	96	351709	10.0	10.4	
8 Butadiene	54	3.736	3.733	0.006	97	173894	10.0	9.46	
9 Bromomethane	94	4.233	4.230	0.005	98	237247	10.0	10.2	
10 Chloroethane	64	4.426	4.423	0.006	97	86914	10.0	10.4	
11 2-Methylbutane	43	4.581	4.584	0.000	90	196588	10.0	9.40	
12 Vinyl bromide	106	4.747	4.744	0.006	97	173964	10.0	8.57	
13 Trichlorofluoromethane	101	4.875	4.873	0.005	99	566813	10.0	8.90	
14 Pentane	43	5.041	5.039	0.005	98	412158	10.0	10.0	
15 Ethanol	45	5.159	5.153	0.006	96	289270	14.7	15.9	
16 Ethyl ether	59	5.384	5.381	0.006	92	141413	10.0	10.4	
17 Acrolein	56	5.587	5.585	0.006	97	74521	10.0	10.7	
18 1,1-Dichloroethene	96	5.769	5.763	0.006	95	268557	10.0	9.19	
20 BFB									
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.801	5.799	0.006	94	591259	10.0	10.0	
19 Acetone	43	5.833	5.827	0.006	99	374673	10.0	10.4	
22 Isopropyl alcohol	45	6.090	6.084	0.006	100	460825	10.0	10.5	
23 Carbon disulfide	76	6.149	6.147	0.006	100	846908	10.0	10.3	
24 Acetonitrile	41	6.282	6.277	0.005	98	161019	10.0	10.3	
25 3-Chloro-1-propene	41	6.400	6.394	0.006	99	327967	10.0	9.90	
26 Methylene Chloride	49	6.614	6.608	0.006	97	346315	10.0	9.89	
27 2-Methyl-2-propanol	59	6.823	6.816	0.011	95	502310	10.0	10.1	
28 Acrylonitrile	53	6.994	6.992	0.006	94	151506	10.0	10.3	
29 trans-1,2-Dichloroethene	61	7.101	7.100	0.006	96	427396	10.0	9.94	
30 Methyl tert-butyl ether	73	7.122	7.116	0.011	96	636532	10.0	9.82	
31 Hexane	57	7.609	7.608	0.005	91	363739	10.0	9.55	
32 1,1-Dichloroethane	63	7.844	7.849	0.000	99	511725	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
33 Vinyl acetate	43	7.855	7.860	0.000	100	596990	10.0	10.2	
34 2-Butanone (MEK)	72	8.813	8.818	0.000	99	114176	10.0	9.51	
35 cis-1,2-Dichloroethene	96	8.829	8.829	0.006	97	290492	10.0	10.1	
36 Ethyl acetate	88	8.904	8.903	0.006	99	15191	10.0	10.3	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	94	272666	10.0	10.0	
38 Tetrahydrofuran	42	9.321	9.320	0.006	92	295509	10.0	11.3	
39 Chloroform	83	9.428	9.428	0.006	97	716708	10.0	9.82	
S 43 1,2-Dichloroethene, Total	61				0		20.0	20.0	
40 1,1,1-Trichloroethane	97	9.754	9.759	0.000	96	719309	10.0	10.3	
41 Cyclohexane	84	9.909	9.909	0.005	96	371916	10.0	10.3	
42 Carbon tetrachloride	117	10.054	10.053	0.006	98	725389	10.0	11.2	
44 Benzene	78	10.418	10.417	0.001	97	949325	10.0	10.2	
45 1,2-Dichloroethane	62	10.493	10.498	0.001	98	481454	10.0	10.3	
46 Isooctane	57	10.674	10.680	0.000	98	1618011	10.0	10.2	
47 n-Heptane	43	11.017	11.017	0.000	96	646619	10.0	10.0	
* 48 1,4-Difluorobenzene	114	11.236	11.231	0.005	95	1309222	10.0	10.0	
49 n-Butanol	56	11.541	11.536	0.011	94	271824	10.0	11.1	
50 Trichloroethene	95	11.718	11.718	0.006	93	594174	10.0	10.4	
51 1,2-Dichloropropane	63	12.220	12.221	0.005	92	412354	10.0	10.7	
54 Methyl methacrylate	69	12.354	12.355	0.005	92	319920	10.0	10.2	
53 Dibromomethane	174	12.392	12.386	0.006	91	436860	10.0	10.4	
55 1,4-Dioxane	88	12.392	12.392	0.006	94	223190	10.0	11.2	
A 57 GRO	1	12.523	(4.571-20.474)		0	138409844	649.9	0	
56 Dichlorobromomethane	83	12.745	12.746	0.006	99	886536	10.0	10.5	
58 cis-1,3-Dichloropropene	75	13.633	13.639	0.000	95	674241	10.0	10.4	
59 4-Methyl-2-pentanone (MIBK)	43	13.948	13.950	0.005	98	732994	10.0	8.77	
A 62 TVOC as Toluene	92	14.253	(3.089-25.417)		0	193716291	899.8	0	
A 61 Toluene Range	92	14.333	(14.293-14.373)		0	2634473	NC	NC	
60 Toluene	92	14.334	14.334	0.001	93	642392	10.0	9.82	
63 n-Octane	43	14.639	14.646	0.001	95	787979	10.0	9.48	
A 64 C8 Range	1	14.638	(14.588-14.688)		0	2888729	NC	NC	
65 trans-1,3-Dichloropropene	75	14.783	14.790	0.000	97	557076	10.0	9.90	
66 1,1,2-Trichloroethane	83	15.184	15.179	0.005	97	371150	10.0	9.85	
67 Tetrachloroethene	166	15.404	15.404	0.001	93	595150	10.0	10.5	
68 2-Hexanone	43	15.660	15.655	0.005	92	818219	10.0	10.3	
69 Chlorodibromomethane	129	15.965	15.965	0.000	98	822715	10.0	10.5	
70 Ethylene Dibromide	107	16.217	16.217	0.000	98	698423	10.0	10.6	
* 71 Chlorobenzene-d5	117	17.196	17.196	0.000	89	1203123	10.0	10.0	
72 Chlorobenzene	112	17.260	17.254	0.006	92	917198	10.0	10.6	
73 Ethylbenzene	91	17.474	17.474	0.000	99	1428306	10.0	10.1	
74 m-Xylene & p-Xylene	106	17.752	17.757	-0.005	0	1035798	20.0	21.3	
75 n-Nonane	57	17.848	17.848	0.000	93	649348	10.0	10.4	
76 o-Xylene	106	18.565	18.565	0.000	98	503897	10.0	9.98	
77 Styrene	104	18.603	18.597	0.006	99	773645	10.0	10.2	
78 Bromoform	173	18.961	18.961	0.000	93	742089	10.0	10.7	
79 Isopropylbenzene	105	19.330	19.330	0.000	97	1381307	10.0	10.3	
S 82 Xylenes, Total	106				0		30.0	31.3	
80 1,1,2,2-Tetrachloroethane	83	19.876	19.876	0.000	98	953558	10.0	10.7	
81 1,2,3-Trichloropropane	75	19.978	19.978	0.001	98	775214	10.0	10.9	
83 N-Propylbenzene	91	20.101	20.100	0.001	98	1697342	10.0	10.3	
84 2-Chlorotoluene	91	20.245	20.245	0.000	97	1127876	10.0	10.3	
85 4-Ethyltoluene	105	20.315	20.309	0.006	99	1295942	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
86 1,3,5-Trimethylbenzene	105	20.416	20.411	0.005	91	1052470	10.0	9.92	
87 n-Decane	57	20.464	20.464	0.000	89	619682	10.0	9.87	
88 Alpha Methyl Styrene	118	20.753	20.753	0.000	85	522935	10.0	9.86	
89 tert-Butylbenzene	119	20.919	20.919	0.000	90	919123	10.0	9.67	
90 1,2,4-Trimethylbenzene	105	21.010	21.010	0.000	98	1071878	10.0	9.97	
91 sec-Butylbenzene	105	21.256	21.256	0.000	98	1422674	10.0	9.70	
92 1,3-Dichlorobenzene	146	21.427	21.422	0.005	98	760157	10.0	10.1	
93 4-Isopropyltoluene	119	21.486	21.486	0.000	96	1093530	10.0	9.56	
94 1,4-Dichlorobenzene	146	21.572	21.572	0.000	92	760375	10.0	9.96	
95 Benzyl chloride	91	21.727	21.727	0.000	97	1170198	10.0	11.1	
97 n-Butylbenzene	91	22.053	22.053	0.000	98	1117744	10.0	9.87	
96 1,2-Dichlorobenzene	146	22.069	22.069	0.000	94	733171	10.0	10.2	
98 Undecane	57	22.219	22.219	0.000	95	542986	10.0	9.96	
99 Dodecane	57	23.819	23.813	0.006	93	473117	10.0	10.8	
100 1,2,4-Trichlorobenzene	180	24.525	24.525	0.000	94	539599	10.0	10.2	
101 Hexachlorobutadiene	225	24.776	24.776	0.000	97	393006	10.0	8.55	
102 Naphthalene	128	24.996	24.995	0.001	99	1304485	10.0	11.0	
103 1,2,3-Trichlorobenzene	180	25.407	25.407	0.000	95	446860	10.0	10.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00856

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230319-54753.b\200-54753-005.D

Injection Date: 19-Mar-2023 13:21:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: lcs

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

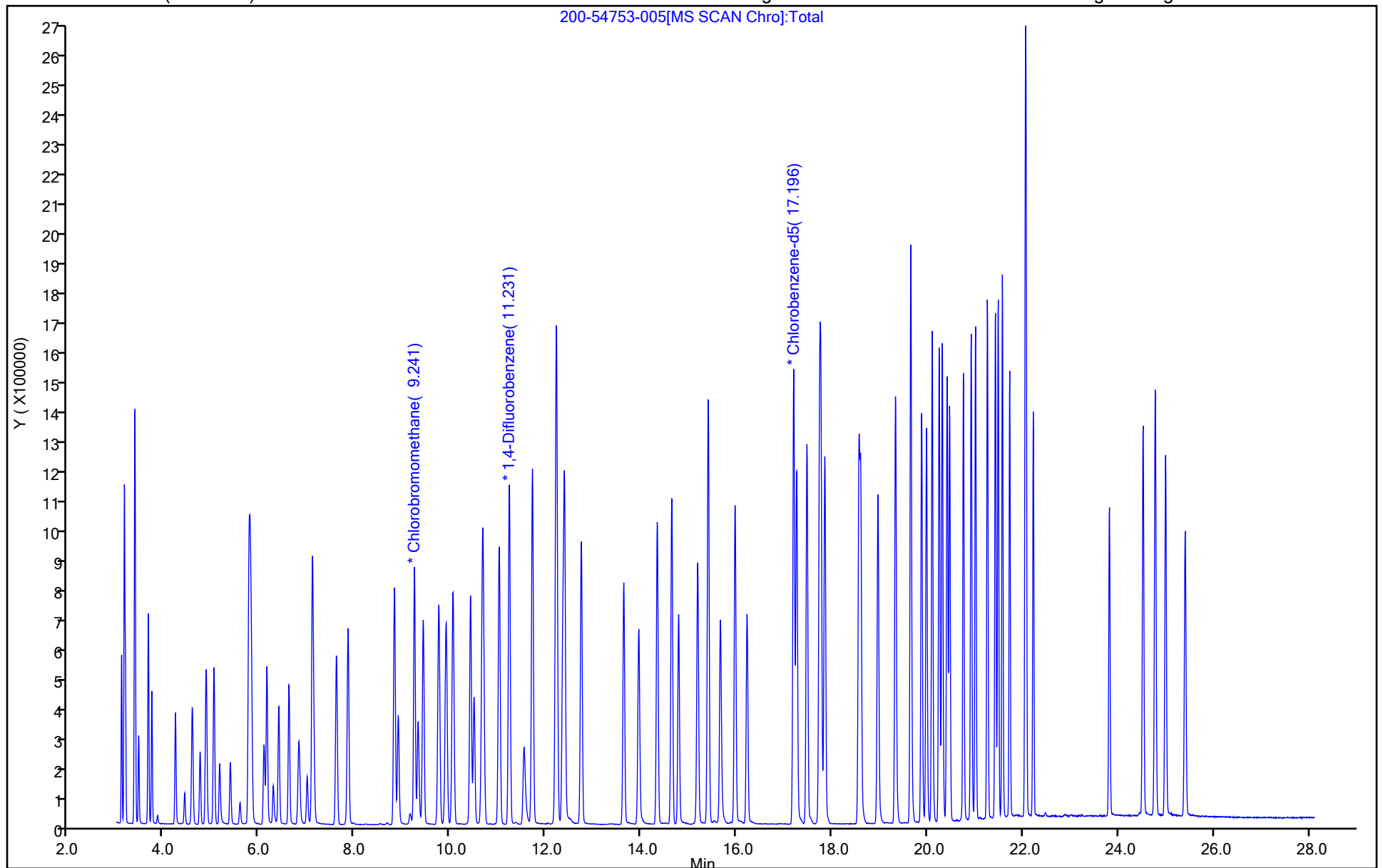
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_G

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.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: LCS 200-189486/3

Matrix: Air Lab File ID: 200-54759-003.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:05

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	9.55		0.50	0.11
75-45-6	Freon 22	86.47	10.4		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.68		0.20	0.048
74-87-3	Chloromethane	50.49	9.83		0.50	0.15
106-97-8	n-Butane	58.12	9.76		0.50	0.20
75-01-4	Vinyl chloride	62.50	9.67		0.078	0.021
106-99-0	1,3-Butadiene	54.09	9.11		0.20	0.039
74-83-9	Bromomethane	94.94	9.93		0.20	0.071
75-00-3	Chloroethane	64.52	10.1		0.50	0.18
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.03		0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	8.38		0.20	0.050
76-13-1	Freon TF	187.38	9.70		0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	8.67		0.035	0.026
67-64-1	Acetone	58.08	9.97		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	9.51		5.0	1.6
75-15-0	Carbon disulfide	76.14	9.78		0.50	0.13
107-05-1	3-Chloropropene	76.53	9.41		0.50	0.12
75-09-2	Methylene Chloride	84.93	9.68		0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	9.27		5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	9.19		0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	9.71		0.20	0.023
110-54-3	n-Hexane	86.17	9.19		0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	10.0		0.20	0.025
78-93-3	Methyl Ethyl Ketone	72.11	8.77		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	9.63		0.050	0.021
540-59-0	1,2-Dichloroethene, Total	96.94	19.3		0.40	0.021
67-66-3	Chloroform	119.38	9.41		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	8.95		5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	8.52		0.20	0.044
110-82-7	Cyclohexane	84.16	8.49		0.20	0.058
56-23-5	Carbon tetrachloride	153.81	9.50		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	8.46		0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Client Sample ID: _____ Lab Sample ID: LCS 200-189486/3

Matrix: Air Lab File ID: 200-54759-003.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:05

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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	8.48		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	8.74		0.20	0.093
142-82-5	n-Heptane	100.21	8.31		0.20	0.055
79-01-6	Trichloroethene	131.39	8.34		0.035	0.025
80-62-6	Methyl methacrylate	100.12	8.21		0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	9.00		0.20	0.094
123-91-1	1,4-Dioxane	88.11	8.64		5.0	1.3
75-27-4	Bromodichloromethane	163.83	8.74		0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	8.63		0.20	0.045
108-10-1	methyl isobutyl ketone	100.16	8.04		0.50	0.13
108-88-3	Toluene	92.14	8.80		0.20	0.042
10061-02-6	trans-1,3-Dichloropropene	110.97	8.09		0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	8.77		0.20	0.074
127-18-4	Tetrachloroethene	165.83	8.96		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.73		0.50	0.15
124-48-1	Dibromochloromethane	208.28	9.10		0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	9.16		0.20	0.042
108-90-7	Chlorobenzene	112.56	9.10		0.20	0.044
100-41-4	Ethylbenzene	106.17	8.63		0.20	0.052
179601-23-1	m,p-Xylene	106.17	18.0		0.50	0.095
95-47-6	Xylene, o-	106.17	8.40		0.20	0.052
1330-20-7	Xylene (total)	106.17	26.4		0.70	0.052
100-42-5	Styrene	104.15	8.58		0.20	0.059
75-25-2	Bromoform	252.75	8.98		0.20	0.12
98-82-8	Cumene	120.19	8.57		0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.05		0.20	0.043
103-65-1	n-Propylbenzene	120.19	8.60		0.20	0.047
622-96-8	4-Ethyltoluene	120.20	8.43		0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	8.22		0.20	0.047
95-49-8	2-Chlorotoluene	126.59	8.71		0.20	0.046
98-06-6	tert-Butylbenzene	134.22	8.00		0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	8.24		0.20	0.080

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

Lab Name: Eurofins Burlington Job No.: 200-67137-1
SDG No.: 200-67137
Client Sample ID: _____ Lab Sample ID: LCS 200-189486/3
Matrix: Air Lab File ID: 200-54759-003.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 03/20/2023 09:05
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.: 189486 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	8.12		0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	7.88		0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	8.31		0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	8.28		0.20	0.089
100-44-7	Benzyl chloride	126.58	9.16		0.20	0.088
104-51-8	n-Butylbenzene	134.22	8.29		0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	8.37		0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	8.22		0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	7.11		0.20	0.11
91-20-3	Naphthalene	128.17	8.92		0.50	0.30
87-61-6	1,2,3-Trichlorobenzene	181.40	8.21		0.50	0.32

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-003.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 20-Mar-2023 09:05:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054759-003
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2023 07:47:01 Calib Date: 10-Mar-2023 19:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230310-54646.b\200-54646-012.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1645

First Level Reviewer: puangmaleek

Date: 21-Mar-2023 07:52:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.099	3.099	0.000	97	246885	10.0	10.4	
2 Dichlorodifluoromethane	85	3.158	3.158	0.000	100	868991	10.0	9.55	
3 Chlorodifluoromethane	51	3.179	3.179	0.000	97	549038	10.0	10.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.377	3.377	0.000	97	821510	10.0	9.68	
5 Chloromethane	50	3.458	3.458	0.000	99	287492	10.0	9.83	
6 Vinyl chloride	62	3.661	3.656	0.005	98	272607	10.0	9.67	
7 Butane	43	3.661	3.661	0.000	97	355368	10.0	9.76	
8 Butadiene	54	3.736	3.730	0.006	96	180504	10.0	9.11	
9 Bromomethane	94	4.228	4.228	0.000	98	249635	10.0	9.93	
10 Chloroethane	64	4.426	4.421	0.005	97	91151	10.0	10.1	
11 2-Methylbutane	43	4.581	4.581	0.000	88	140500	10.0	6.23	
12 Vinyl bromide	106	4.747	4.742	0.005	97	175643	10.0	8.03	
13 Trichlorofluoromethane	101	4.875	4.870	0.005	98	575074	10.0	8.38	
14 Pentane	43	5.036	5.036	0.000	98	433034	10.0	9.75	
15 Ethanol	45	5.159	5.153	0.006	96	285534	14.7	14.5	
16 Ethyl ether	59	5.378	5.378	0.000	91	144660	10.0	9.83	
17 Acrolein	56	5.581	5.576	0.005	97	76319	10.0	10.1	
20 BFB									
18 1,1-Dichloroethene	96	5.769	5.763	0.006	94	273034	10.0	8.67	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	5.795	5.795	0.000	93	617930	10.0	9.70	
19 Acetone	43	5.833	5.827	0.006	99	388606	10.0	9.97	
22 Isopropyl alcohol	45	6.090	6.084	0.006	100	451712	10.0	9.51	
23 Carbon disulfide	76	6.148	6.143	0.005	100	863543	10.0	9.78	
24 Acetonitrile	41	6.282	6.277	0.005	98	165833	10.0	9.88	
25 3-Chloro-1-propene	41	6.395	6.395	0.000	99	335872	10.0	9.41	
26 Methylene Chloride	49	6.609	6.603	0.006	98	365225	10.0	9.68	
27 2-Methyl-2-propanol	59	6.823	6.817	0.006	95	498734	10.0	9.27	
28 Acrylonitrile	53	6.988	6.988	0.000	93	157127	10.0	9.91	
29 trans-1,2-Dichloroethene	61	7.095	7.095	0.000	95	450020	10.0	9.71	
30 Methyl tert-butyl ether	73	7.122	7.117	0.005	96	642118	10.0	9.19	
31 Hexane	57	7.604	7.604	0.000	90	377051	10.0	9.19	
32 1,1-Dichloroethane	63	7.844	7.839	0.005	99	538623	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Vinyl acetate	43	7.855	7.850	0.005	100	630087	10.0	10.0	
34 2-Butanone (MEK)	72	8.813	8.807	0.006	99	113446	10.0	8.77	
35 cis-1,2-Dichloroethene	96	8.829	8.823	0.006	97	299121	10.0	9.63	
36 Ethyl acetate	88	8.898	8.898	0.000	99	15135	10.0	9.49	
* 37 Chlorobromomethane	128	9.241	9.241	0.000	95	293862	10.0	10.0	
38 Tetrahydrofuran	42	9.321	9.315	0.006	92	290364	10.0	8.95	
39 Chloroform	83	9.422	9.422	0.000	97	740475	10.0	9.41	
S 43 1,2-Dichloroethene, Total	61				0		20.0	19.3	
40 1,1,1-Trichloroethane	97	9.754	9.749	0.005	97	735335	10.0	8.52	
41 Cyclohexane	84	9.909	9.904	0.005	96	379917	10.0	8.49	
42 Carbon tetrachloride	117	10.048	10.043	0.005	98	760856	10.0	9.50	
44 Benzene	78	10.418	10.412	0.006	97	983399	10.0	8.48	
45 1,2-Dichloroethane	62	10.492	10.487	0.005	97	506009	10.0	8.74	
46 Isooctane	57	10.674	10.669	0.005	98	1659936	10.0	8.46	
47 n-Heptane	43	11.017	11.017	0.000	96	663680	10.0	8.31	
* 48 1,4-Difluorobenzene	114	11.231	11.231	0.000	96	1623076	10.0	10.0	
49 n-Butanol	56	11.541	11.536	0.005	93	262339	10.0	8.65	
50 Trichloroethene	95	11.712	11.712	0.000	93	593462	10.0	8.34	
51 1,2-Dichloropropane	63	12.220	12.215	0.005	92	431653	10.0	9.00	
54 Methyl methacrylate	69	12.349	12.349	0.000	92	320338	10.0	8.21	
53 Dibromomethane	174	12.386	12.386	0.000	90	433502	10.0	8.33	
55 1,4-Dioxane	88	12.397	12.392	0.005	91	213625	10.0	8.64	
A 57 GRO	1	12.523	(4.571-20.474)		0	140348366	649.9	0	
56 Dichlorobromomethane	83	12.739	12.734	0.005	98	910022	10.0	8.74	
58 cis-1,3-Dichloropropene	75	13.627	13.627	0.000	96	692487	10.0	8.63	
59 4-Methyl-2-pentanone (MIBK)	43	13.943	13.943	0.000	98	833396	10.0	8.04	
A 62 TVOC as Toluene	92	14.251	(3.089-25.412)		0	194698090	899.8	0	
A 61 Toluene Range	92	14.328	(14.288-14.368)		0	2802966	NC	NC	
60 Toluene	92	14.334	14.328	0.006	93	671795	10.0	8.80	
63 n-Octane	43	14.638	14.633	0.005	93	734139	10.0	7.12	
A 64 C8 Range	1	14.633	(14.583-14.683)		0	2746560	NC	NC	
65 trans-1,3-Dichloropropene	75	14.783	14.778	0.005	97	564770	10.0	8.09	
66 1,1,2-Trichloroethane	83	15.179	15.179	0.000	97	385795	10.0	8.77	
67 Tetrachloroethene	166	15.403	15.398	0.005	94	595321	10.0	8.96	
68 2-Hexanone	43	15.660	15.655	0.005	91	809560	10.0	8.73	
69 Chlorodibromomethane	129	15.965	15.965	0.000	98	830909	10.0	9.10	
70 Ethylene Dibromide	107	16.217	16.211	0.006	98	707060	10.0	9.16	
* 71 Chlorobenzene-d5	117	17.196	17.190	0.006	89	1404328	10.0	10.0	
72 Chlorobenzene	112	17.254	17.254	0.000	92	921394	10.0	9.10	
73 Ethylbenzene	91	17.474	17.468	0.006	99	1430389	10.0	8.63	
74 m-Xylene & p-Xylene	106	17.752	17.752	0.000	0	1019124	20.0	18.0	
75 n-Nonane	57	17.848	17.843	0.005	93	662946	10.0	9.13	
76 o-Xylene	106	18.560	18.560	0.000	98	495256	10.0	8.40	
77 Styrene	104	18.597	18.597	0.000	99	756543	10.0	8.58	
78 Bromoform	173	18.961	18.961	0.000	93	726731	10.0	8.98	
79 Isopropylbenzene	105	19.330	19.330	0.000	98	1342412	10.0	8.57	
S 82 Xylenes, Total	106				0		30.0	26.4	
80 1,1,2,2-Tetrachloroethane	83	19.876	19.876	0.000	98	941710	10.0	9.05	
81 1,2,3-Trichloropropane	75	19.977	19.977	0.000	97	757006	10.0	9.12	
83 N-Propylbenzene	91	20.100	20.095	0.005	99	1657617	10.0	8.60	
84 2-Chlorotoluene	91	20.245	20.245	0.000	97	1111196	10.0	8.71	
85 4-Ethyltoluene	105	20.309	20.309	0.000	99	1250030	10.0	8.43	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,3,5-Trimethylbenzene	105	20.411	20.411	0.000	91	1018334	10.0	8.22	
87 n-Decane	57	20.464	20.464	0.000	89	635939	10.0	8.68	
88 Alpha Methyl Styrene	118	20.753	20.753	0.000	85	503395	10.0	8.13	
89 tert-Butylbenzene	119	20.914	20.914	0.000	89	887454	10.0	8.00	
90 1,2,4-Trimethylbenzene	105	21.005	21.005	0.000	98	1033754	10.0	8.24	
91 sec-Butylbenzene	105	21.256	21.256	0.000	98	1391227	10.0	8.12	
92 1,3-Dichlorobenzene	146	21.422	21.422	0.000	98	733319	10.0	8.31	
93 4-Isopropyltoluene	119	21.481	21.481	0.000	96	1053032	10.0	7.88	
94 1,4-Dichlorobenzene	146	21.572	21.572	0.000	95	737535	10.0	8.28	
95 Benzyl chloride	91	21.721	21.721	0.000	97	1131209	10.0	9.16	
97 n-Butylbenzene	91	22.048	22.048	0.000	97	1095475	10.0	8.29	
96 1,2-Dichlorobenzene	146	22.069	22.069	0.000	93	704059	10.0	8.37	
98 Undecane	57	22.219	22.219	0.000	95	539985	10.0	8.49	
99 Dodecane	57	23.813	23.813	0.000	93	447081	10.0	8.71	
100 1,2,4-Trichlorobenzene	180	24.519	24.519	0.000	94	506180	10.0	8.22	
101 Hexachlorobutadiene	225	24.776	24.776	0.000	97	381749	10.0	7.11	
102 Naphthalene	128	24.995	24.995	0.000	99	1230070	10.0	8.92	
103 1,2,3-Trichlorobenzene	180	25.402	25.402	0.000	94	412056	10.0	8.21	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00856

Amount Added: 200.00

Units: mL

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2023 07:52:07

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230320-54759.b\200-54759-003.D

Injection Date: 20-Mar-2023 09:05:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

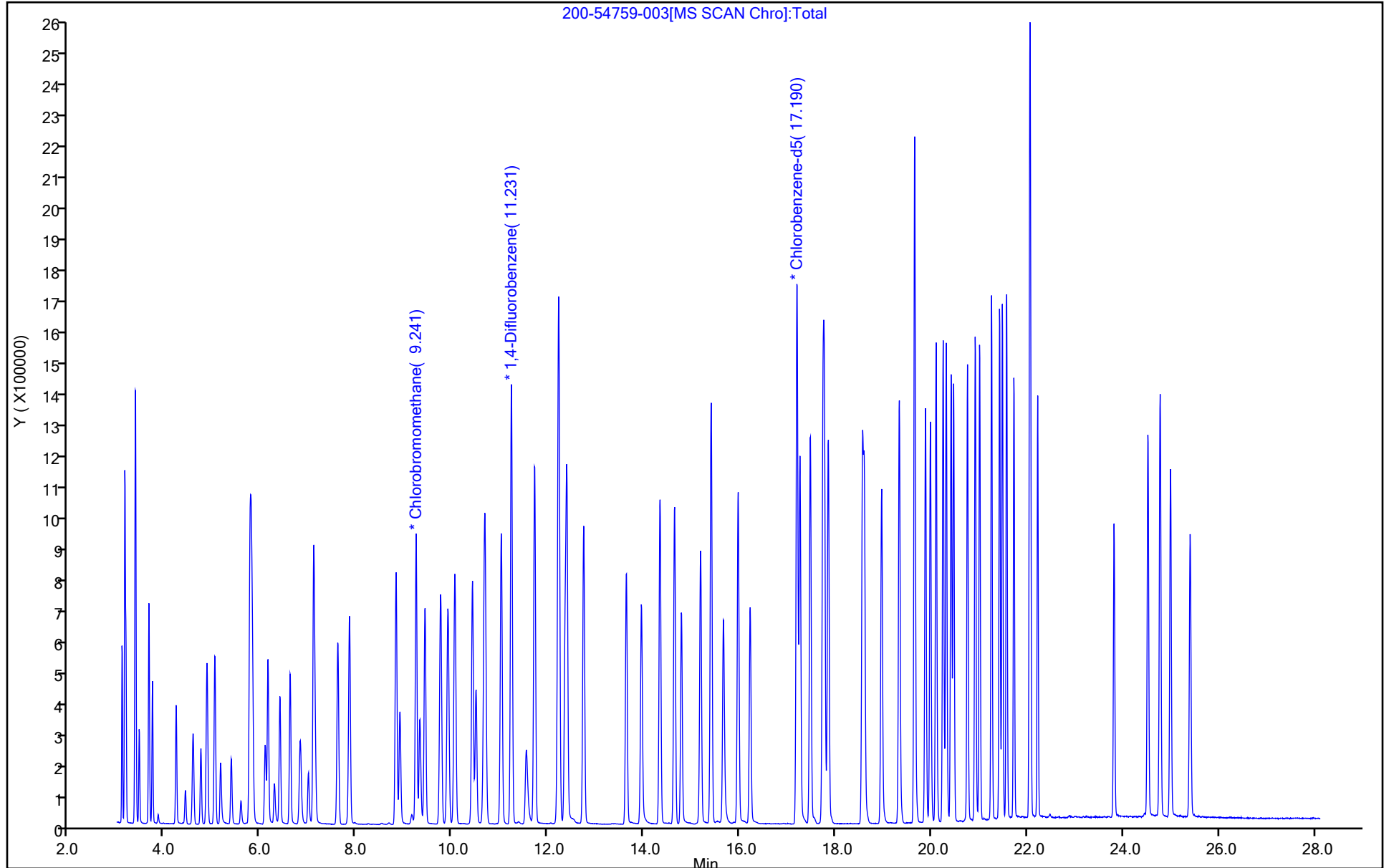
ALS Bottle#: 2

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iStart Date: 03/10/2023 09:31Analysis Batch Number: 189231End Date: 03/10/2023 23:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-189231/1		03/10/2023 09:31	1	200-54646-001.D	RTX-624 0.32 (mm)
IC 200-189231/3		03/10/2023 11:08	1	200-54646-003.D	RTX-624 0.32 (mm)
IC 200-189231/4		03/10/2023 12:00	1	200-54646-004.D	RTX-624 0.32 (mm)
IC 200-189231/5		03/10/2023 12:53	1	200-54646-005.D	RTX-624 0.32 (mm)
IC 200-189231/6		03/10/2023 13:45	1	200-54646-006.D	RTX-624 0.32 (mm)
ICIS 200-189231/7		03/10/2023 14:38	1	200-54646-007.D	RTX-624 0.32 (mm)
IC 200-189231/8		03/10/2023 15:31	1	200-54646-008.D	RTX-624 0.32 (mm)
IC 200-189231/11		03/10/2023 18:13	1	200-54646-011.D	RTX-624 0.32 (mm)
IC 200-189231/12		03/10/2023 19:06	1	200-54646-012.D	RTX-624 0.32 (mm)
ICV 200-189231/14		03/10/2023 20:51	1	200-54646-014.D	RTX-624 0.32 (mm)
ZZZZZ		03/10/2023 23:29	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iStart Date: 03/19/2023 09:58Analysis Batch Number: 189477End Date: 03/20/2023 06:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-189477/1		03/19/2023 09:58	1	200-54753-001.D	RTX-624 0.32 (mm)
CCVIS 200-189477/2		03/19/2023 10:44	1	200-54753-002.D	RTX-624 0.32 (mm)
MB 200-189477/4		03/19/2023 12:29	1	200-54753-004.D	RTX-624 0.32 (mm)
LCS 200-189477/5		03/19/2023 13:21	1	200-54753-005.D	RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 14:14	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 15:06	1		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 15:59	1		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 16:51	5		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 17:43	1		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 18:37	1		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 19:31	1		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 20:24	10		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 21:18	10		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 22:12	10		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 23:04	10		RTX-624 0.32 (mm)
ZZZZZ		03/19/2023 23:57	10		RTX-624 0.32 (mm)
200-67137-1	BANK-1	03/20/2023 00:49	1	200-54753-018.D	RTX-624 0.32 (mm)
200-67137-2	BANK-2	03/20/2023 01:41	1	200-54753-019.D	RTX-624 0.32 (mm)
200-67137-3	CLEANER-1	03/20/2023 02:34	1	200-54753-020.D	RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 03:26	10		RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 04:19	10		RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 05:11	10		RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 06:04	10		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-67137-1SDG No.: 200-67137Instrument ID: CHG.iStart Date: 03/20/2023 07:26Analysis Batch Number: 189486End Date: 03/21/2023 05:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-189486/1		03/20/2023 07:26	1	200-54759-001.D	RTX-624 0.32 (mm)
CCVIS 200-189486/2		03/20/2023 08:11	1	200-54759-002.D	RTX-624 0.32 (mm)
LCS 200-189486/3		03/20/2023 09:05	1	200-54759-003.D	RTX-624 0.32 (mm)
MB 200-189486/4		03/20/2023 09:59	1	200-54759-004.D	RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 10:52	1		RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 11:45	1		RTX-624 0.32 (mm)
200-67137-7	SG-12	03/20/2023 12:38	10	200-54759-007.D	RTX-624 0.32 (mm)
200-67137-8	VMP-2R	03/20/2023 13:30	10	200-54759-008.D	RTX-624 0.32 (mm)
200-67137-9	SG-6	03/20/2023 14:22	10	200-54759-009.D	RTX-624 0.32 (mm)
200-67137-10	SG-4	03/20/2023 15:15	10	200-54759-010.D	RTX-624 0.32 (mm)
200-67137-11	SG-11	03/20/2023 16:08	10	200-54759-011.D	RTX-624 0.32 (mm)
200-67137-4	CLEANER-2	03/20/2023 17:00	1	200-54759-012.D	RTX-624 0.32 (mm)
200-67137-5	CLEANER-3	03/20/2023 17:53	1	200-54759-013.D	RTX-624 0.32 (mm)
200-67137-6	AMBIENT	03/20/2023 18:45	1	200-54759-014.D	RTX-624 0.32 (mm)
200-67137-12	VMP-3R	03/20/2023 19:38	10	200-54759-015.D	RTX-624 0.32 (mm)
200-67137-13	VMP-4R	03/20/2023 20:30	10	200-54759-016.D	RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 21:22	10		RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 22:14	10		RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 23:06	10		RTX-624 0.32 (mm)
ZZZZZ		03/20/2023 23:58	402		RTX-624 0.32 (mm)
ZZZZZ		03/21/2023 00:51	200		RTX-624 0.32 (mm)
ZZZZZ		03/21/2023 01:43	981		RTX-624 0.32 (mm)
ZZZZZ		03/21/2023 02:35	400		RTX-624 0.32 (mm)
ZZZZZ		03/21/2023 03:28	2043		RTX-624 0.32 (mm)
ZZZZZ		03/21/2023 04:22	25		RTX-624 0.32 (mm)
ZZZZZ		03/21/2023 05:16	125		RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-67137-1

SDG No.: 200-67137

Batch Number: 189231 Batch Start Date: 03/10/23 09:31 Batch Analyst: Pham, Vu T

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15CAL1w 00252	ATTO15CAL2w 00331	ATTO15CAL3w 00261	ATTO15CAL4w 00802
BFB 200-189231/1		TO-15		200 mL	200 mL				
IC 200-189231/3		TO-15		200 mL	200 mL	35 mL			
IC 200-189231/4		TO-15		200 mL	200 mL	200 mL			
IC 200-189231/5		TO-15		200 mL	200 mL		200 mL		
IC 200-189231/6		TO-15		200 mL	200 mL			200 mL	
ICIS 200-189231/7		TO-15		200 mL	200 mL				200 mL
IC 200-189231/8		TO-15		200 mL	200 mL				
IC 200-189231/11		TO-15		200 mL	200 mL				
IC 200-189231/12		TO-15		200 mL	200 mL				
ICV 200-189231/14		TO-15		200 mL	200 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL5w 00129	ATTO15CAL6w 00217	ATTO15CAL7w 00129	ATTO15GIS 00019	ATTO15LCSW 00856	
BFB 200-189231/1		TO-15					20 mL		
IC 200-189231/3		TO-15					20 mL		
IC 200-189231/4		TO-15					20 mL		
IC 200-189231/5		TO-15					20 mL		
IC 200-189231/6		TO-15					20 mL		
ICIS 200-189231/7		TO-15					20 mL		
IC 200-189231/8		TO-15		200 mL			20 mL		
IC 200-189231/11		TO-15			200 mL		20 mL		
IC 200-189231/12		TO-15				200 mL	20 mL		
ICV 200-189231/14		TO-15					20 mL	200 mL	

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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-67137-1SDG No.: 200-67137Batch Number: 189231 Batch Start Date: 03/10/23 09:31 Batch Analyst: Pham, Vu TBatch 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.: 200-67137-1

SDG No.: 200-67137

Batch Number: 189477 Batch Start Date: 03/19/23 09:58 Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00802	ATTO15GIS 00019	ATTO15LCSW 00856	
BFB 200-189477/1		TO-15		200 mL	200 mL		20 mL		
CCVIS 200-189477/2		TO-15		200 mL	200 mL	200 mL	20 mL		
MB 200-189477/4		TO-15		200 mL	200 mL		20 mL		
LCS 200-189477/5		TO-15		200 mL	200 mL		20 mL	200 mL	
200-67137-A-1	BANK-1	TO-15	T	200 mL	200 mL		20 mL		
200-67137-A-2	BANK-2	TO-15	T	200 mL	200 mL		20 mL		
200-67137-A-3	CLEANER-1	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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington

Job No.: 200-67137-1

SDG No.: 200-67137

Batch Number: 189486

Batch Start Date: 03/20/23 07:26

Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15

Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00802	ATTO15GIS 00019	ATTO15LCSW 00856	
BFB 200-189486/1		TO-15		200 mL	200 mL		20 mL		
CCVIS 200-189486/2		TO-15		200 mL	200 mL	200 mL	20 mL		
LCS 200-189486/3		TO-15		200 mL	200 mL		20 mL	200 mL	
MB 200-189486/4		TO-15		200 mL	200 mL		20 mL		
200-67137-A-7	SG-12	TO-15	T	20 mL	200 mL		20 mL		
200-67137-A-8	VMP-2R	TO-15	T	20 mL	200 mL		20 mL		
200-67137-A-9	SG-6	TO-15	T	20 mL	200 mL		20 mL		
200-67137-A-10	SG-4	TO-15	T	20 mL	200 mL		20 mL		
200-67137-A-11	SG-11	TO-15	T	20 mL	200 mL		20 mL		
200-67137-A-4	CLEANER-2	TO-15	T	200 mL	200 mL		20 mL		
200-67137-A-5	CLEANER-3	TO-15	T	200 mL	200 mL		20 mL		
200-67137-A-6	AMBIENT	TO-15	T	200 mL	200 mL		20 mL		
200-67137-A-12	VMP-3R	TO-15	T	20 mL	200 mL		20 mL		
200-67137-A-13	VMP-4R	TO-15	T	20 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]

Canister Cleaning & Pre-Shipment Leak Test

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

ent of canister
PM Authorization
Clean Canister Certification Analysis & Authorization of Release to Inventory

Date:

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.

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

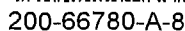
PM

Comments:

Form ID: FAI023-12

Revision Date: 12/18/2018

TestAmerica Burlington



5456
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/9/2023 12:00 A

200-1703148

Loc: 200

66780

#8 A

Air-Storage

Canister Cleaning & Pre-Shipment Leak Test

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

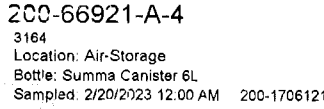
& Authorization o

Inventory Level 1: Individual Canister Certification (TO15LL 0.01)

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

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

Revision Date: 12/18/2018



Air-Storage

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

200-66988-A-7
4951
Location: Air-Storage
Bottle: Summa Canister 1L
Sampled: 2/24/2023 12:00 AM 200-1707911

Loc: 200
66988
#7 A
Air-Storage

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 1/2		10	4/9/1900	2/24/2023	1346	22	22	SML	1 liter	batch				
Port	Can ID	Initial ¹	Final	Diff. ³	Final ("Hg)	Initial Reading			Final Reading					
		(psia)	(psia)			Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:
1	6330	108	108	0	29.6	G26	2/25/23	1338	←	G26	2/27/23	1345	←	22.0
2	34000321	←	108	0	←	G26	←	←	←	G26	←	←	←	←
3	5969	←	108	0	←	G26	←	←	←	G26	←	←	←	←
4	34000237	←	108	0	←	G26	←	←	←	G26	←	←	←	←
5	34002473	←	120	112	←	G26	←	←	←	G26	←	←	←	←
6	34001628	←	120	112	←	G26	←	←	←	G26	←	←	←	←
7	4951	108	108	0	←	G26	2/27/23	1345	←	G26	←	←	←	←
8	4964	108	108	0	←	G26	2/25/23	1338	←	G26	←	←	←	←
9	8323	←	108	0	←	G26	←	←	←	G26	←	←	←	←
10	34000863	←	108	0	←	G26	←	←	←	G26	←	←	←	←
11	6477	←	108	0	←	G26	←	←	←	G26	←	←	←	←
12	34001079	←	108	0	←	G26	←	←	←	G26	←	←	←	←

Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

3 Difference = Final Pressure - Initial Pressure. Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister

PM Authorization

Date:

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL			Inventory Level				Secondary Review			
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Review
4951	2/27/23	54507	KP			XXXXXXXX			2/27/23	OK

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.

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

Comments:

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

Lab Name: Eurofins Burlington Job No.: 200-66780-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 200-54301-004.D
 Lab ID: LCS 200-188367/4 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	9.86	99	61-142	
Freon 22	10.0	10.1	101	60-147	
1,2-Dichlorotetrafluoroethane	10.0	9.86	99	71-141	
Chloromethane	10.0	9.89	99	56-141	
n-Butane	10.0	10.2	102	53-151	
Vinyl chloride	10.0	8.81	88	61-135	
1,3-Butadiene	10.0	9.19	92	58-139	
Bromomethane	10.0	9.66	97	72-124	
Chloroethane	10.0	9.82	98	68-130	
Bromoethene (Vinyl Bromide)	10.0	9.65	97	75-125	
Trichlorofluoromethane	10.0	9.77	98	70-129	
Ethanol	14.7	14.7	100	50-150	
Freon TF	10.0	9.77	98	70-121	
1,1-Dichloroethene	10.0	9.10	91	68-120	
Acetone	10.0	11.2	112	54-154	
Isopropyl alcohol	10.0	11.0	110	53-142	
Carbon disulfide	10.0	10.4	104	71-138	
3-Chloropropene	10.0	10.1	101	50-150	
Methylene Chloride	10.0	10.3	103	59-137	
tert-Butyl alcohol	10.0	10.7	107	66-132	
Methyl tert-butyl ether	10.0	9.94	99	70-127	
trans-1,2-Dichloroethene	10.0	9.79	98	69-137	
n-Hexane	10.0	10.4	104	63-138	
1,1-Dichloroethane	10.0	9.90	99	66-130	
Vinyl acetate	10.0	11.5	115	59-149	
Ethyl acetate	10.0	11.8	118	70-131	
Methyl Ethyl Ketone	10.0	9.99	100	72-124	
cis-1,2-Dichloroethene	10.0	9.14	91	72-121	
Chloroform	10.0	9.78	98	73-124	
Tetrahydrofuran	10.0	10.8	108	60-149	
1,1,1-Trichloroethane	10.0	9.36	94	72-127	
Cyclohexane	10.0	9.68	97	76-124	
Carbon tetrachloride	10.0	9.80	98	71-133	
2,2,4-Trimethylpentane	10.0	10.3	103	68-131	
Benzene	10.0	9.19	92	73-119	
1,2-Dichloroethane	10.0	9.69	97	68-135	
n-Heptane	10.0	10.8	108	60-142	
Trichloroethene	10.0	9.44	94	73-122	
Methyl methacrylate	10.0	9.93	99	73-129	
1,2-Dichloropropane	10.0	9.45	95	69-128	
1,4-Dioxane	10.0	9.10	91	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.: 200-66780-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 200-54301-004.D
 Lab ID: LCS 200-188367/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.86	99	75-127	
cis-1,3-Dichloropropene	10.0	9.76	98	74-125	
methyl isobutyl ketone	10.0	10.2	102	58-144	
Toluene	10.0	9.43	94	75-122	
trans-1,3-Dichloropropene	10.0	10.1	101	74-128	
1,1,2-Trichloroethane	10.0	9.64	96	75-126	
Tetrachloroethene	10.0	8.85	89	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.5	105	57-143	
Dibromochloromethane	10.0	9.69	97	73-125	
1,2-Dibromoethane	10.0	9.62	96	78-122	
Chlorobenzene	10.0	9.57	96	76-119	
Ethylbenzene	10.0	9.68	97	74-122	
m,p-Xylene	20.0	20.3	101	76-121	
Xylene, o-	10.0	9.62	96	73-123	
Styrene	10.0	10.9	109	74-125	
Bromoform	10.0	10.2	102	53-149	
Cumene	10.0	9.96	100	73-123	
1,1,2,2-Tetrachloroethane	10.0	9.80	98	74-126	
n-Propylbenzene	10.0	10.1	101	73-127	
4-Ethyltoluene	10.0	10.1	101	75-129	
1,3,5-Trimethylbenzene	10.0	9.95	99	72-126	
2-Chlorotoluene	10.0	10.2	102	74-126	
tert-Butylbenzene	10.0	9.44	94	71-125	
1,2,4-Trimethylbenzene	10.0	9.76	98	71-129	
sec-Butylbenzene	10.0	9.65	97	70-128	
4-Isopropyltoluene	10.0	9.78	98	68-130	
1,3-Dichlorobenzene	10.0	9.84	98	69-131	
1,4-Dichlorobenzene	10.0	9.99	100	67-132	
Benzyl chloride	10.0	10.9	109	60-136	
n-Butylbenzene	10.0	9.91	99	65-137	
1,2-Dichlorobenzene	10.0	9.86	99	68-129	
1,2,4-Trichlorobenzene	10.0	11.8	118	50-150	
Hexachlorobutadiene	10.0	10.3	103	58-130	
Naphthalene	10.0	12.6	126	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.: 200-66921-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 54466-004.d
 Lab ID: LCS 200-188785/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Ethylbenzene	10.0	10.9	109	74-122	
Styrene	10.0	11.5	115	74-125	
1,3-Dichloropropene, cis-	10.0	11.2	112	74-125	
1,3-Dichloropropene, trans-	10.0	11.5	115	74-128	
1,4-Dichlorobenzene	10.0	11.8	118	67-132	
1,2-Dibromoethane	10.0	11.2	112	78-122	
1,3-Butadiene	10.0	10.6	106	58-139	
Allyl chloride	10.0	9.83	98	50-150	
1,2-Dichloroethane	10.0	11.8	118	68-135	
Methyl isobutyl ketone (MIBK)	10.0	11.1	111	58-144	
1,3,5-Trimethylbenzene	10.0	11.4	114	72-126	
Toluene	10.0	10.7	107	75-122	
Chlorobenzene	10.0	10.9	109	76-119	
Tetrahydrofuran	10.0	10.6	107	60-149	
Hexane	10.0	9.83	98	63-138	
Cyclohexane	10.0	10.8	108	76-124	
1,2,4-Trichlorobenzene	10.0	12.0	120	50-150	
1,4-Dioxane	10.0	12.3	123	66-129	
Dibromochloromethane	10.0	11.8	118	73-125	
Tetrachloroethene	10.0	11.4	114	70-125	
n-Heptane	10.0	10.4	104	60-142	
1,2-Dichloroethene, cis-	10.0	10.4	104	72-121	
1,2-Dichloroethene, trans-	10.0	10.3	103	69-137	
Methyl tert-butyl ether	10.0	10.7	107	70-127	
m,p-Xylene	20.0	21.9	110	76-121	
2,2,4-Trimethylpentane	10.0	10.4	104	68-131	
1,3-Dichlorobenzene	10.0	11.9	119	69-131	
Carbon tetrachloride	10.0	11.9	119	71-133	
Vinyl bromide	10.0	11.7	117	75-125	
4-Ethyltoluene	10.0	11.5	115	75-129	
Ethanol	14.7	17.7	120	50-150	
Isopropanol	10.0	10.8	108	53-142	
Acetone	10.0	11.0	110	54-154	
Chloroform	10.0	10.7	107	73-124	
Benzene	10.0	10.7	107	73-119	
1,1,1-Trichloroethane	10.0	11.7	117	72-127	
Bromomethane	10.0	11.8	118	72-124	
Chloromethane	10.0	13.2	132	56-141	
Chloroethane	10.0	11.8	118	68-130	
Vinyl chloride	10.0	10.8	108	61-135	
Methylene Chloride	10.0	10.1	101	59-137	
Carbon disulfide	10.0	10.5	105	71-138	

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.: 200-66921-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 54466-004.d
 Lab ID: LCS 200-188785/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromoform	10.0	12.6	126	53-149	
Bromodichloromethane	10.0	11.5	115	75-127	
1,1-Dichloroethane	10.0	9.98	100	66-130	
1,1-Dichloroethene	10.0	10.5	105	68-120	
tert-Butyl alcohol	10.0	11.1	111	66-132	
Trichlorofluoromethane	10.0	11.5	115	70-129	
Dichlorodifluoromethane	10.0	12.3	123	61-142	
1,1,2-Trichloro-1,2,2-trifluor oethane	10.0	11.0	110	70-121	
1,2-Dichlorotetrafluoroethane	10.0	12.4	124	71-141	
1,2-Dichloropropane	10.0	10.5	105	69-128	
Methyl ethyl ketone (MEK)	10.0	10.5	105	72-124	
1,1,2-Trichloroethane	10.0	10.7	107	75-126	
Trichloroethene	10.0	11.1	111	73-122	
1,1,2,2-Tetrachloroethane	10.0	10.8	108	74-126	
Methyl methacrylate	10.0	11.1	111	73-129	
Hexachlorobutadiene	10.0	12.0	120	58-130	
Naphthalene	10.0	11.2	112	50-150	
Xylene, o-	10.0	11.0	110	73-123	
2-Chlorotoluene	10.0	11.0	110	74-126	
1,2-Dichlorobenzene	10.0	11.8	118	68-129	
1,2,4-Trimethylbenzene	10.0	11.5	115	71-129	
2-Hexanone	10.0	10.9	109	57-143	

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.: 200-66988-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 200-54507-003.D
 Lab ID: LCS 200-188869/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.1	101	50-158	
Dichlorodifluoromethane	10.0	9.49	95	61-142	
Freon 22	10.0	9.94	99	60-147	
1,2-Dichlorotetrafluoroethane	10.0	9.21	92	71-141	
Chloromethane	10.0	9.60	96	56-141	
n-Butane	10.0	9.93	99	53-151	
Vinyl chloride	10.0	8.94	89	61-135	
1,3-Butadiene	10.0	8.98	90	58-139	
Bromomethane	10.0	9.75	98	72-124	
Chloroethane	10.0	10.8	108	68-130	
Bromoethene (Vinyl Bromide)	10.0	9.56	96	75-125	
Trichlorofluoromethane	10.0	9.67	97	70-129	
Ethanol	14.7	10.4	71	50-150	
Freon TF	10.0	9.22	92	70-121	
1,1-Dichloroethene	10.0	7.86	79	68-120	
Acetone	10.0	11.7	117	54-154	
Isopropyl alcohol	10.0	10.2	103	53-142	
Carbon disulfide	10.0	9.43	94	71-138	
3-Chloropropene	10.0	10.8	108	50-150	
Methylene Chloride	10.0	10.3	103	59-137	
tert-Butyl alcohol	10.0	9.40	94	66-132	
Methyl tert-butyl ether	10.0	9.80	98	70-127	
trans-1,2-Dichloroethene	10.0	9.37	94	69-137	
n-Hexane	10.0	9.79	98	63-138	
1,1-Dichloroethane	10.0	9.53	95	66-130	
Vinyl acetate	10.0	11.4	114	59-149	
Ethyl acetate	10.0	9.84	98	70-131	
Methyl Ethyl Ketone	10.0	9.14	91	72-124	
cis-1,2-Dichloroethene	10.0	8.96	90	72-121	
Chloroform	10.0	9.57	96	73-124	
Tetrahydrofuran	10.0	10.7	107	60-149	
1,1,1-Trichloroethane	10.0	9.25	92	72-127	
Cyclohexane	10.0	8.93	89	76-124	
Carbon tetrachloride	10.0	9.98	100	71-133	
2,2,4-Trimethylpentane	10.0	9.53	95	68-131	
Benzene	10.0	9.25	93	73-119	
1,2-Dichloroethane	10.0	10.5	105	68-135	
n-Heptane	10.0	9.65	97	60-142	
Trichloroethene	10.0	7.60	76	73-122	
Methyl methacrylate	10.0	9.16	92	73-129	
1,2-Dichloropropane	10.0	9.43	94	69-128	
1,4-Dioxane	10.0	8.49	85	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.: 200-66988-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 200-54507-003.D
 Lab ID: LCS 200-188869/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.66	97	75-127	
cis-1,3-Dichloropropene	10.0	9.24	92	74-125	
methyl isobutyl ketone	10.0	9.22	92	58-144	
Toluene	10.0	10.0	100	75-122	
trans-1,3-Dichloropropene	10.0	9.35	94	74-128	
1,1,2-Trichloroethane	10.0	10.5	105	75-126	
Tetrachloroethene	10.0	8.81	88	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.8	108	57-143	
Dibromochloromethane	10.0	10.6	106	73-125	
1,2-Dibromoethane	10.0	10.2	102	78-122	
Chlorobenzene	10.0	9.74	97	76-119	
Ethylbenzene	10.0	9.55	96	74-122	
m,p-Xylene	20.0	19.5	98	76-121	
Xylene, o-	10.0	9.08	91	73-123	
Styrene	10.0	9.84	98	74-125	
Bromoform	10.0	10.5	105	53-149	
Cumene	10.0	9.34	93	73-123	
1,1,2,2-Tetrachloroethane	10.0	9.98	100	74-126	
n-Propylbenzene	10.0	9.22	92	73-127	
4-Ethyltoluene	10.0	9.03	90	75-129	
1,3,5-Trimethylbenzene	10.0	8.75	88	72-126	
2-Chlorotoluene	10.0	9.28	93	74-126	
tert-Butylbenzene	10.0	8.37	84	71-125	
1,2,4-Trimethylbenzene	10.0	8.33	83	71-129	
sec-Butylbenzene	10.0	8.26	83	70-128	
4-Isopropyltoluene	10.0	7.95	80	68-130	
1,3-Dichlorobenzene	10.0	8.37	84	69-131	
1,4-Dichlorobenzene	10.0	8.23	82	67-132	
Benzyl chloride	10.0	9.19	92	60-136	
n-Butylbenzene	10.0	8.18	82	65-137	
1,2-Dichlorobenzene	10.0	8.28	83	68-129	
1,2,4-Trichlorobenzene	10.0	6.21	62	50-150	
Hexachlorobutadiene	10.0	6.57	66	58-130	
Naphthalene	10.0	6.16	62	50-150	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-66780-1
SDG No.: _____
Lab File ID: 200-54301-005a.D Lab Sample ID: MB 200-188367/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHG.i Date Analyzed: 02/11/2023 14:58
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 200-188367/4	200-54301-0 04.D	02/11/2023 12:33
5456	200-66780-8	200-54301-0 06.D	02/11/2023 15:51

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66780-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-188367/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54301-005a.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/11/2023 14:58</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>188367</u>	Units: <u>ppb v/v</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	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66780-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-188367/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54301-005a.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/11/2023 14:58</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>188367</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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
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

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

Lab Name: Eurofins Burlington Job No.: 200-66780-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-188367/5
 Matrix: Air Lab File ID: 200-54301-005a.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 02/11/2023 14:58
 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.: 188367 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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\CHG.i\20230211-54301.b\200-54301-005a.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 11-Feb-2023 14:58:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054301-005
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Feb-2023 08:30:30 Calib Date: 09-Feb-2023 01:11:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230208-54269.b\200-54269-013.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1606

First Level Reviewer: puangmaleek

Date: 13-Feb-2023 08:29:17

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		3.110					ND	7
2 Dichlorodifluoromethane	85		3.169					ND	7
3 Chlorodifluoromethane	51		3.190					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.388					ND	7
5 Chloromethane	50		3.468					ND	7
6 Vinyl chloride	62		3.671					ND	
7 Butane	43		3.677					ND	7
8 Butadiene	54		3.746					ND	
9 Bromomethane	94		4.244					ND	
10 Chloroethane	64		4.436					ND	
11 2-Methylbutane	43		4.597					ND	7
12 Vinyl bromide	106		4.763					ND	
13 Trichlorofluoromethane	101		4.891					ND	7
14 Pentane	43		5.052					ND	7
15 Ethanol	45		5.175					ND	7
16 Ethyl ether	59		5.399					ND	
17 Acrolein	56		5.603					ND	
18 1,1-Dichloroethene	96		5.785					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.811					ND	7
19 Acetone	43		5.849					ND	7
22 Isopropyl alcohol	45		6.106					ND	7
23 Carbon disulfide	76		6.164					ND	
24 Acetonitrile	41		6.304					ND	
25 3-Chloro-1-propene	41		6.421					ND	7
26 Methylene Chloride	49		6.630					ND	7
27 2-Methyl-2-propanol	59		6.838					ND	
28 Acrylonitrile	53		7.015					ND	
29 trans-1,2-Dichloroethene	61		7.117					ND	
30 Methyl tert-butyl ether	73		7.138					ND	7
31 Hexane	57		7.625					ND	
32 1,1-Dichloroethane	63		7.866					ND	
33 Vinyl acetate	43		7.876					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 2-Butanone (MEK)	72		8.834					ND	
35 cis-1,2-Dichloroethene	96		8.850					ND	
36 Ethyl acetate	88		8.925					ND	
* 37 Chlorobromomethane	128	9.273	9.267	0.006	87	190689	10.0	10.0	
38 Tetrahydrofuran	42		9.337					ND	
39 Chloroform	83		9.449					ND	
S 43 1,2-Dichloroethene, Total	61		9.665					ND	7
40 1,1,1-Trichloroethane	97		9.775					ND	7
41 Cyclohexane	84		9.931					ND	
42 Carbon tetrachloride	117		10.075					ND	
44 Benzene	78		10.444					ND	MU
45 1,2-Dichloroethane	62		10.519					ND	
46 Isooctane	57		10.696					ND	
47 n-Heptane	43		11.038					ND	7
* 48 1,4-Difluorobenzene	114	11.263	11.257	0.006	96	1138334	10.0	10.0	
49 n-Butanol	56		11.568					ND	
50 Trichloroethene	95		11.739					ND	
51 1,2-Dichloropropane	63		12.247					ND	
54 Methyl methacrylate	69		12.375					ND	
53 Dibromomethane	174		12.418					ND	MU
55 1,4-Dioxane	88		12.418					ND	
A 57 GRO	1	12.539	(4.587-20.490)		0	3131012		0	
56 Dichlorobromomethane	83		12.771					ND	
58 cis-1,3-Dichloropropene	75		13.659					ND	7
59 4-Methyl-2-pentanone (MIBK)	43		13.975					ND	7
A 62 TVOC as Toluene	92	14.269	(3.100-25.439)		0	3317639		0	
A 61 Toluene Range	92	14.360	(14.320-14.400)		0	13113		NC	
60 Toluene	92	14.366	14.360	0.006	95	2029		0.0439	
63 n-Octane	43		14.660					ND	
A 64 C8 Range	1	14.660	(14.610-14.710)		0	7066		NC	
65 trans-1,3-Dichloropropene	75		14.810					ND	7
66 1,1,2-Trichloroethane	83		15.211					ND	
67 Tetrachloroethene	166		15.430					ND	7
68 2-Hexanone	43		15.687					ND	7
69 Chlorodibromomethane	129		15.992					ND	7
70 Ethylene Dibromide	107	16.243	16.243	0.000	22	638		0.0129	
* 71 Chlorobenzene-d5	117	17.222	17.222	0.000	92	879748	10.0	10.0	
72 Chlorobenzene	112	17.281	17.286	-0.005	25	1019		0.0156	
73 Ethylbenzene	91	17.511	17.500	0.011	94	5634		0.0551	
74 m-Xylene & p-Xylene	106		17.779					ND	7
75 n-Nonane	57		17.870					ND	
76 o-Xylene	106	18.592	18.592	0.000	95	1193		0.0333	
77 Styrene	104		18.629					ND	7
78 Bromoform	173		18.988					ND	7
79 Isopropylbenzene	105		19.351					ND	7
S 82 Xylenes, Total	106				0			0.0333	
80 1,1,2,2-Tetrachloroethane	83		19.902					ND	7
81 1,2,3-Trichloropropane	75		20.004					ND	
83 N-Propylbenzene	91		20.122					ND	7
84 2-Chlorotoluene	91		20.266					ND	7
85 4-Ethyltoluene	105	20.336	20.330	0.006	91	1082		0.0116	
86 1,3,5-Trimethylbenzene	105		20.432					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57		20.480					ND	
88 Alpha Methyl Styrene	118		20.774					ND	MU
89 tert-Butylbenzene	119		20.935					ND	7
90 1,2,4-Trimethylbenzene	105	21.031	21.026	0.005	1	1424		0.0172	
91 sec-Butylbenzene	105		21.272					ND	7
92 1,3-Dichlorobenzene	146	21.443	21.443	0.000	93	2381		0.0391	M
93 4-Isopropyltoluene	119		21.502					ND	MU
94 1,4-Dichlorobenzene	146	21.593	21.588	0.005	89	2757		0.0449	
95 Benzyl chloride	91	21.743	21.743	0.000	1	1711		0.0200	
97 n-Butylbenzene	91	22.069	22.069	0.000	70	1334		0.0158	
96 1,2-Dichlorobenzene	146	22.096	22.085	0.011	88	1592		0.0265	
98 Undecane	57		22.235					ND	7
99 Dodecane	57		23.829					ND	7
100 1,2,4-Trichlorobenzene	180	24.551	24.546	0.005	88	3913		0.1002	
101 Hexachlorobutadiene	225		24.803					ND	7
102 Naphthalene	128	25.033	25.017	0.016	96	6582		0.0804	
103 1,2,3-Trichlorobenzene	180	25.456	25.429	0.027	1	2822		0.0977	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 13-Feb-2023 08:31:19

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-005a.D

Injection Date: 11-Feb-2023 14:58:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

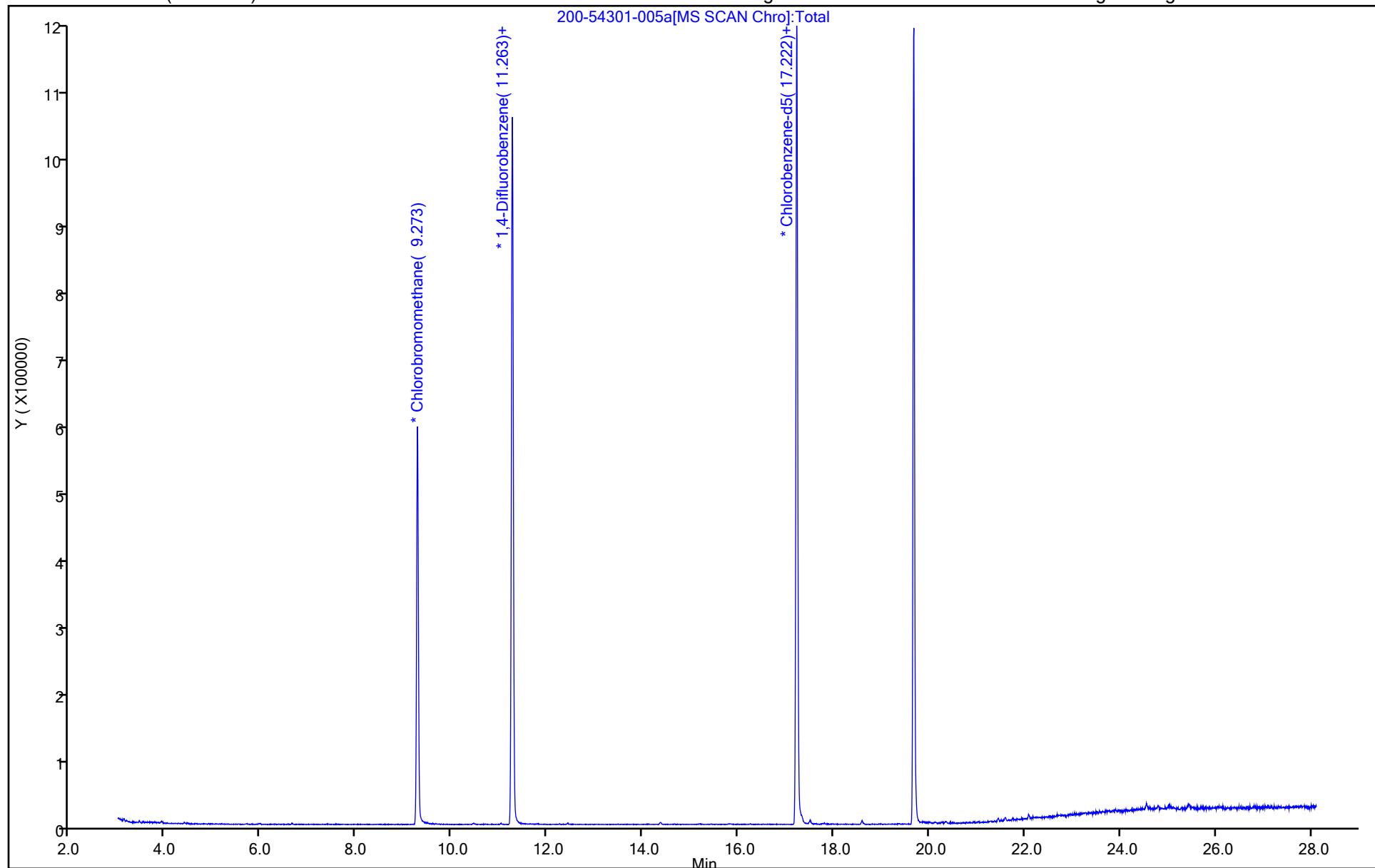
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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

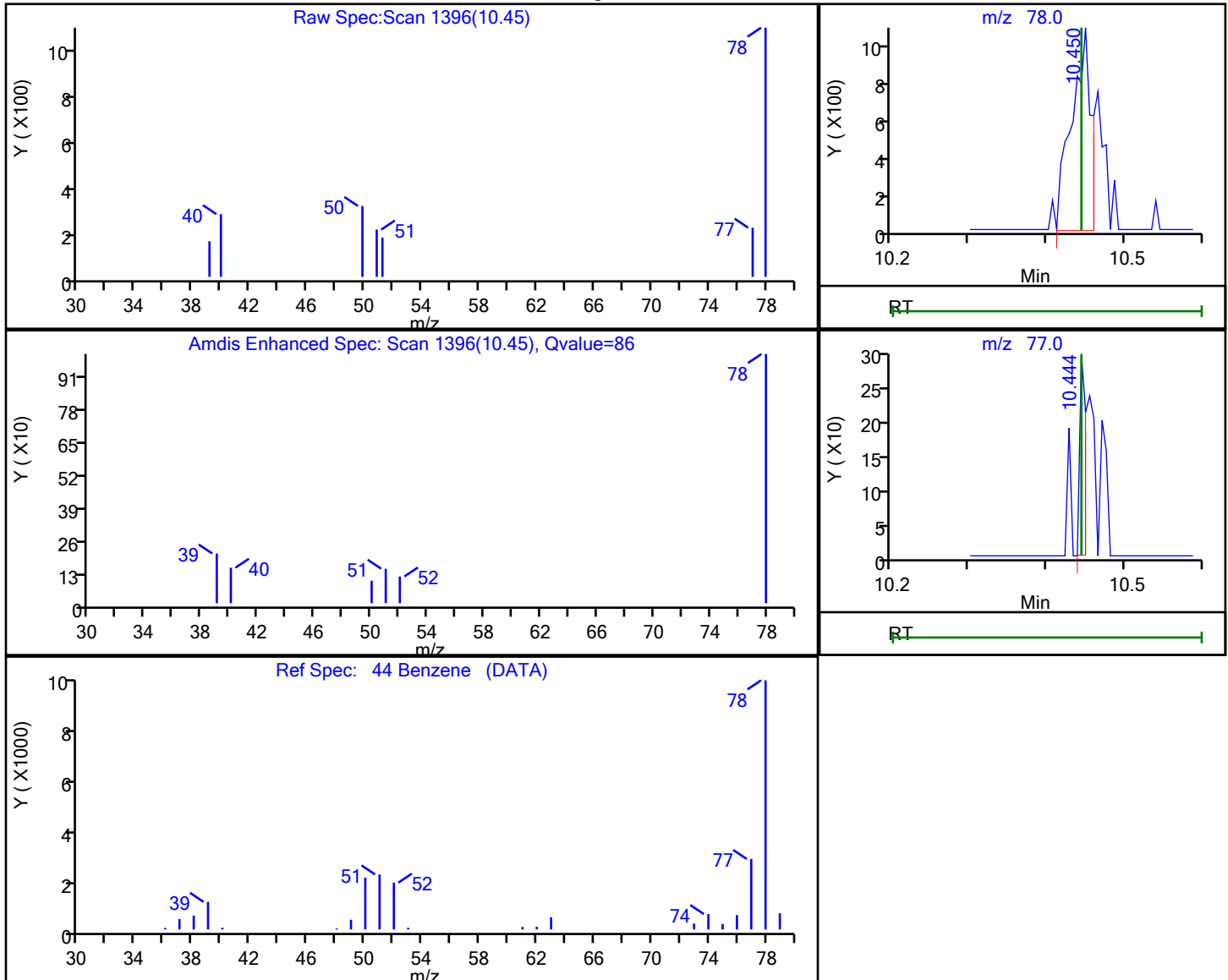


Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-005a.D
Injection Date: 11-Feb-2023 14:58:30 Instrument ID: CHG.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_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
10.45	78.00	1840	0.025424
10.44	77.00	162	

Reviewer: puangmaleek, 13-Feb-2023 08:28:22

Audit Action: Marked Compound Undetected

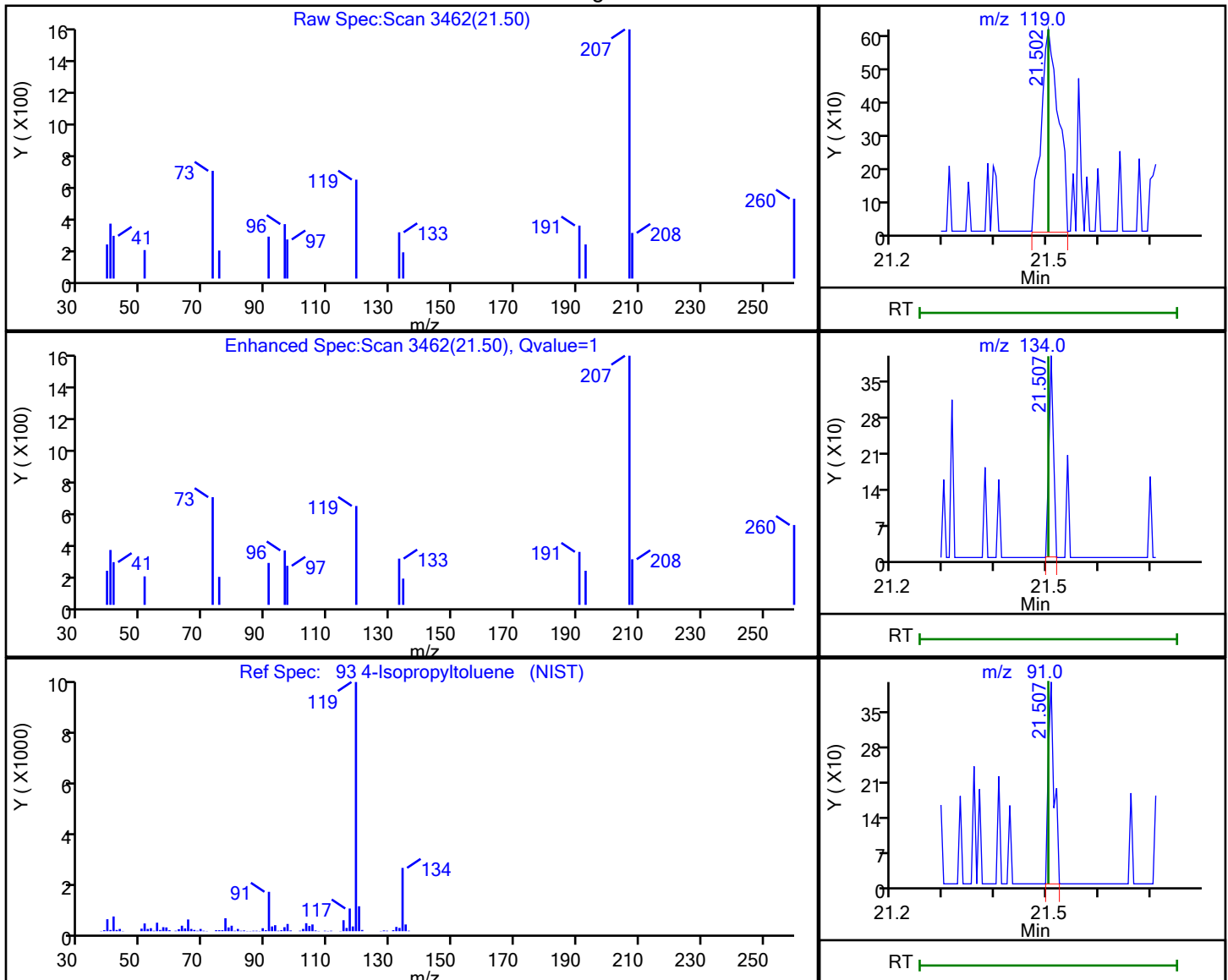
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-005a.D
Injection Date: 11-Feb-2023 14:58:30 Instrument ID: CHG.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_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

93 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
21.50	119.00	1433	0.016347
21.51	134.00	240	
21.51	91.00	326	

Reviewer: puangmaleek, 13-Feb-2023 08:29:01

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

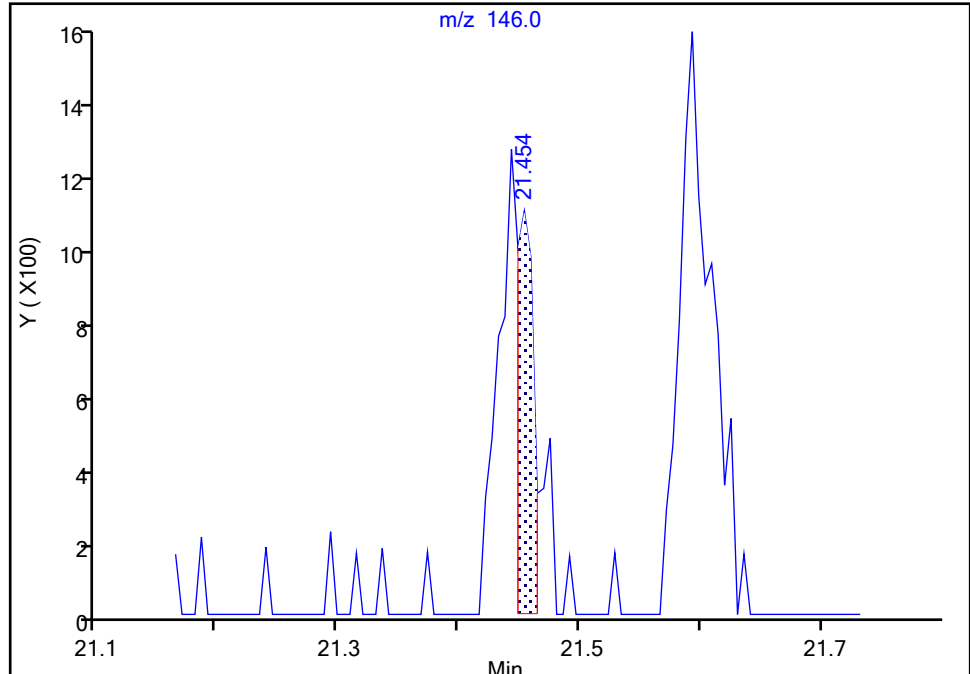
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-005a.D
Injection Date: 11-Feb-2023 14:58:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

92 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

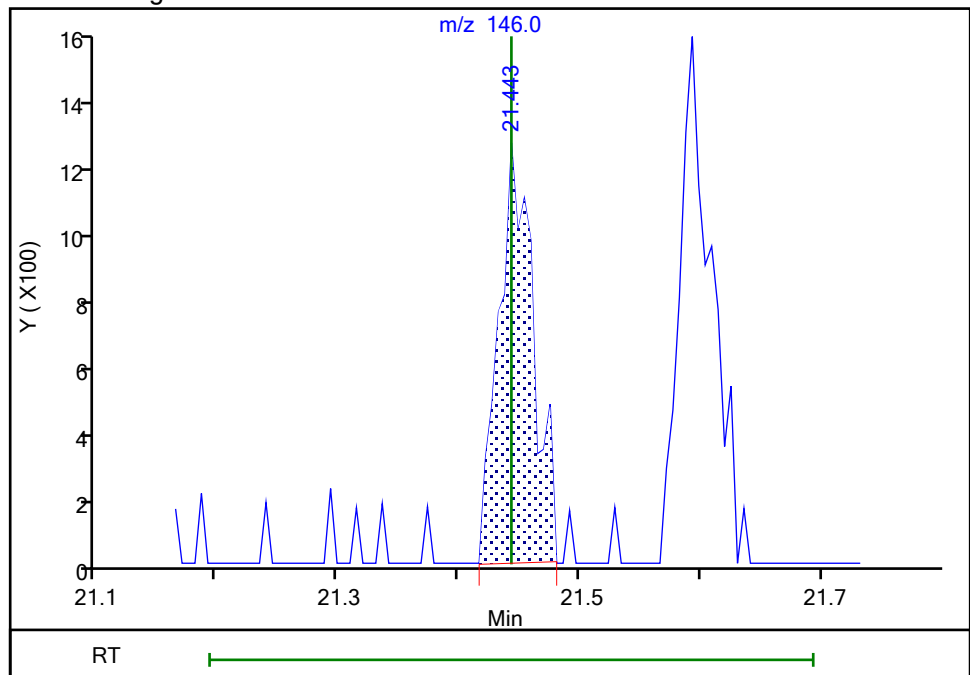
RT: 21.45
Area: 1033
Amount: 0.016953
Amount Units: ppb v/v

Processing Integration Results



RT: 21.44
Area: 2381
Amount: 0.039075
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 13-Feb-2023 08:28:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-66921-1
SDG No.: _____
Lab File ID: 54466-005.d Lab Sample ID: MB 200-188785/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHW.i Date Analyzed: 02/23/2023 10:50
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 200-188785/4	54466-004.d	02/23/2023 09:57
3164	200-66921-4	54466-006.d	02/23/2023 11:55

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66921-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-188785/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>54466-005.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/23/2023 10:50</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>188785</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.20	U	0.20	0.052
100-42-5	Styrene	0.20	U	0.20	0.059
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.045
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.054
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.089
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.042
106-99-0	1,3-Butadiene	0.20	U	0.20	0.039
107-05-1	Allyl chloride	0.50	U	0.50	0.12
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.093
108-10-1	Methyl isobutyl ketone (MIBK)	0.50	U	0.50	0.13
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.047
108-88-3	Toluene	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	0.20	U	0.20	0.044
109-99-9	Tetrahydrofuran	5.0	U	5.0	1.3
110-54-3	Hexane	0.50	U	0.50	0.11
110-82-7	Cyclohexane	0.20	U	0.20	0.058
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.33
123-91-1	1,4-Dioxane	0.20	U	0.20	0.078
124-48-1	Dibromochloromethane	0.20	U	0.20	0.063
127-18-4	Tetrachloroethene	0.20	U	0.20	0.021
142-82-5	n-Heptane	0.20	U	0.20	0.055
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.021
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.023
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.036
179601-23-1	m,p-Xylene	0.50	U	0.50	0.095
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.038
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.074
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.022
593-60-2	Vinyl bromide	0.20	U	0.20	0.050
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.049
64-17-5	Ethanol	5.0	U	5.0	2.6
67-63-0	Isopropanol	5.0	U	5.0	1.6
67-64-1	Acetone	5.0	U	5.0	1.6
67-66-3	Chloroform	0.20	U	0.20	0.041

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66921-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-188785/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>54466-005.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/23/2023 10:50</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>188785</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.20	U	0.20	0.044
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.044
74-83-9	Bromomethane	0.20	U	0.20	0.071
74-87-3	Chloromethane	0.50	U	0.50	0.15
75-00-3	Chloroethane	0.50	U	0.50	0.18
75-01-4	Vinyl chloride	0.20	U	0.20	0.021
75-09-2	Methylene Chloride	0.50	U	0.50	0.18
75-15-0	Carbon disulfide	0.50	U	0.50	0.13
75-25-2	Bromoform	0.20	U	0.20	0.12
75-27-4	Bromodichloromethane	0.20	U	0.20	0.050
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.025
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.026
75-65-0	tert-Butyl alcohol	5.0	U	5.0	1.2
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.050
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.053
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.094
78-93-3	Methyl ethyl ketone (MEK)	0.50	U	0.50	0.49
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.074
79-01-6	Trichloroethene	0.20	U	0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043
80-62-6	Methyl methacrylate	0.50	U	0.50	0.14
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.11
91-20-3	Naphthalene	0.50	U	0.50	0.30
95-47-6	Xylene, o-	0.20	U	0.20	0.052
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.046
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.066
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.080
591-78-6	2-Hexanone	0.50	U	0.50	0.15

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20230223-54466.b\54466-005.d
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 23-Feb-2023 10:50:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054466-005
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20230223-54466.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2023 06:07:19 Calib Date: 01-Feb-2023 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20230131-54170.b\54170-013.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: puangmaleek

Date: 24-Feb-2023 06:07:19

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		4.089					ND	
2 Dichlorodifluoromethane	85		4.174					ND	7
3 Chlorodifluoromethane	51		4.217					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.517					ND	7
5 Chloromethane	50		4.634					ND	7
6 Vinyl chloride	62		4.929					ND	
7 Butane	43		4.934					ND	7
8 Butadiene	54		5.041					ND	
9 Bromomethane	94		5.742					ND	
10 Chloroethane	64		6.009					ND	
12 2-Methylbutane	43		6.218					ND	
13 Vinyl bromide	106		6.421					ND	
14 Trichlorofluoromethane	101		6.582					ND	
15 Pentane	43		6.785					ND	
16 Ethanol	45		6.951					ND	
18 Ethyl ether	59		7.202					ND	
19 Acrolein	56		7.432					ND	
20 1,1-Dichloroethene	96		7.630					ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		7.673					ND	
22 Acetone	43		7.711					ND	
23 Isopropyl alcohol	45		8.005					ND	
24 Carbon disulfide	76	8.058	8.037	0.021	94	599		0.0160	
25 Acetonitrile	41		8.203					ND	
26 3-Chloro-1-propene	41		8.320					ND	
27 Methylene Chloride	49		8.550					ND	7
28 2-Methyl-2-propanol	59		8.770					ND	
29 Acrylonitrile	53		8.946					ND	
30 trans-1,2-Dichloroethene	61		9.048					ND	
31 Methyl tert-butyl ether	73		9.064					ND	
32 Hexane	57		9.556					ND	
33 1,1-Dichloroethane	63		9.802					ND	
34 Vinyl acetate	43		9.813					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		10.765					ND	
37 cis-1,2-Dichloroethene	96		10.787					ND	
38 Ethyl acetate	88		10.851					ND	
* 39 Chlorobromomethane	128	11.198	11.193	0.005	87	80532	10.0	10.0	
40 Tetrahydrofuran	42		11.247					ND	
41 Chloroform	83		11.370					ND	
42 1,1,1-Trichloroethane	97		11.675					ND	
43 Cyclohexane	84		11.814					ND	
44 Carbon tetrachloride	117		11.953					ND	
45 Benzene	78		12.295					ND	7
46 1,2-Dichloroethane	62		12.370					ND	
47 Isooctane	57		12.520					ND	
48 n-Heptane	43		12.830					ND	
* 49 1,4-Difluorobenzene	114	13.039	13.033	0.006	94	432038	10.0	10.0	
50 n-Butanol	56		13.269					ND	7
51 Trichloroethene	95		13.461					ND	
A 52 GRO	1	13.908	(6.208-21.608)		0	1016416		0	
53 1,2-Dichloropropane	63		13.916					ND	
54 Methyl methacrylate	69		14.012					ND	
55 1,4-Dioxane	88		14.055					ND	
57 Dibromomethane	174		14.071					ND	
58 Dichlorobromomethane	83		14.382					ND	
59 cis-1,3-Dichloropropene	75		15.184					ND	
A 60 TVOC as Toluene	1	15.251	(4.079-26.423)		0	1092054		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.452					ND	
62 Toluene	92		15.826					ND	
A 63 Toluene Range	1	15.834	(15.762-15.906)		0	7439		NC	
64 n-Octane	43		16.088					ND	
A 65 C8 Range	1		(16.019-16.158)					ND	
66 trans-1,3-Dichloropropene	75		16.238					ND	
67 1,1,2-Trichloroethane	83		16.612					ND	
68 Tetrachloroethene	166		16.816					ND	
69 2-Hexanone	43		17.030					ND	
70 Chlorodibromomethane	129		17.351					ND	
71 Ethylene Dibromide	107		17.586					ND	7
* 73 Chlorobenzene-d5	117	18.501	18.496	0.005	86	342143	10.0	10.0	
74 Chlorobenzene	112	18.560	18.554	0.006	84	413		0.0115	
75 Ethylbenzene	91		18.752					ND	7
76 m-Xylene & p-Xylene	106		19.020					ND	7
77 n-Nonane	57		19.095					ND	
78 o-Xylene	106		19.785					ND	
79 Styrene	104		19.822					ND	
S 80 Xylenes, Total	106		20.100					ND	7
81 Bromoform	173		20.181					ND	7
82 Isopropylbenzene	105		20.518					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.047					ND	7
84 1,2,3-Trichloropropane	75		21.149					ND	
85 N-Propylbenzene	91		21.256					ND	7
86 2-Chlorotoluene	91		21.400					ND	MU
87 4-Ethyltoluene	105		21.459					ND	7
88 1,3,5-Trimethylbenzene	105		21.556					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		21.598					ND	
90 Alpha Methyl Styrene	118	21.893	21.893	-0.001	73	243		0.009754	
91 tert-Butylbenzene	119		22.048					ND	
92 1,2,4-Trimethylbenzene	105		22.139					ND	7
93 sec-Butylbenzene	105		22.379					ND	7
94 1,3-Dichlorobenzene	146	22.556	22.551	0.005	90	1158		0.0352	
95 4-Isopropyltoluene	119		22.599					ND	7
96 1,4-Dichlorobenzene	146	22.700	22.695	0.005	90	1229		0.0383	
97 Benzyl chloride	91	22.845	22.845	0.000	93	1190		0.0282	
98 n-Butylbenzene	91		23.155					ND	7
99 1,2-Dichlorobenzene	146	23.187	23.177	0.010	91	1172		0.0368	
100 Undecane	57		23.310					ND	
101 Dodecane	57		24.856					ND	
102 1,2,4-Trichlorobenzene	180	25.568	25.557	0.011	84	1195		0.0660	
103 Hexachlorobutadiene	225		25.798					ND	
104 Naphthalene	128	26.022	26.012	0.010	93	1097		0.0289	
105 1,2,3-Trichlorobenzene	180	26.408	26.413	-0.005	81	645		0.0449	
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

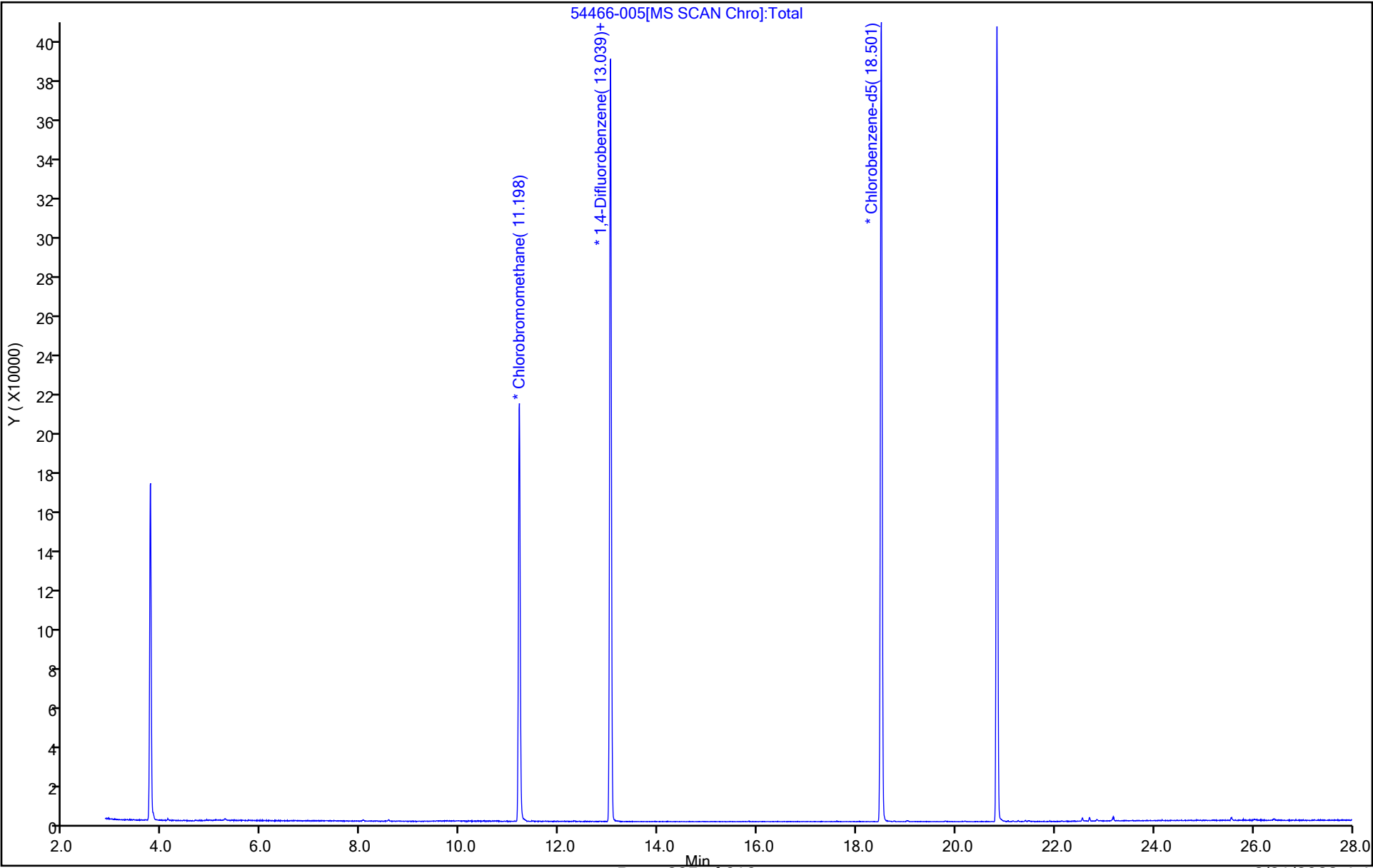
Reagents:

ATTO15WISs_00010

Amount Added: 20.00

Units: mL

Run Reagent

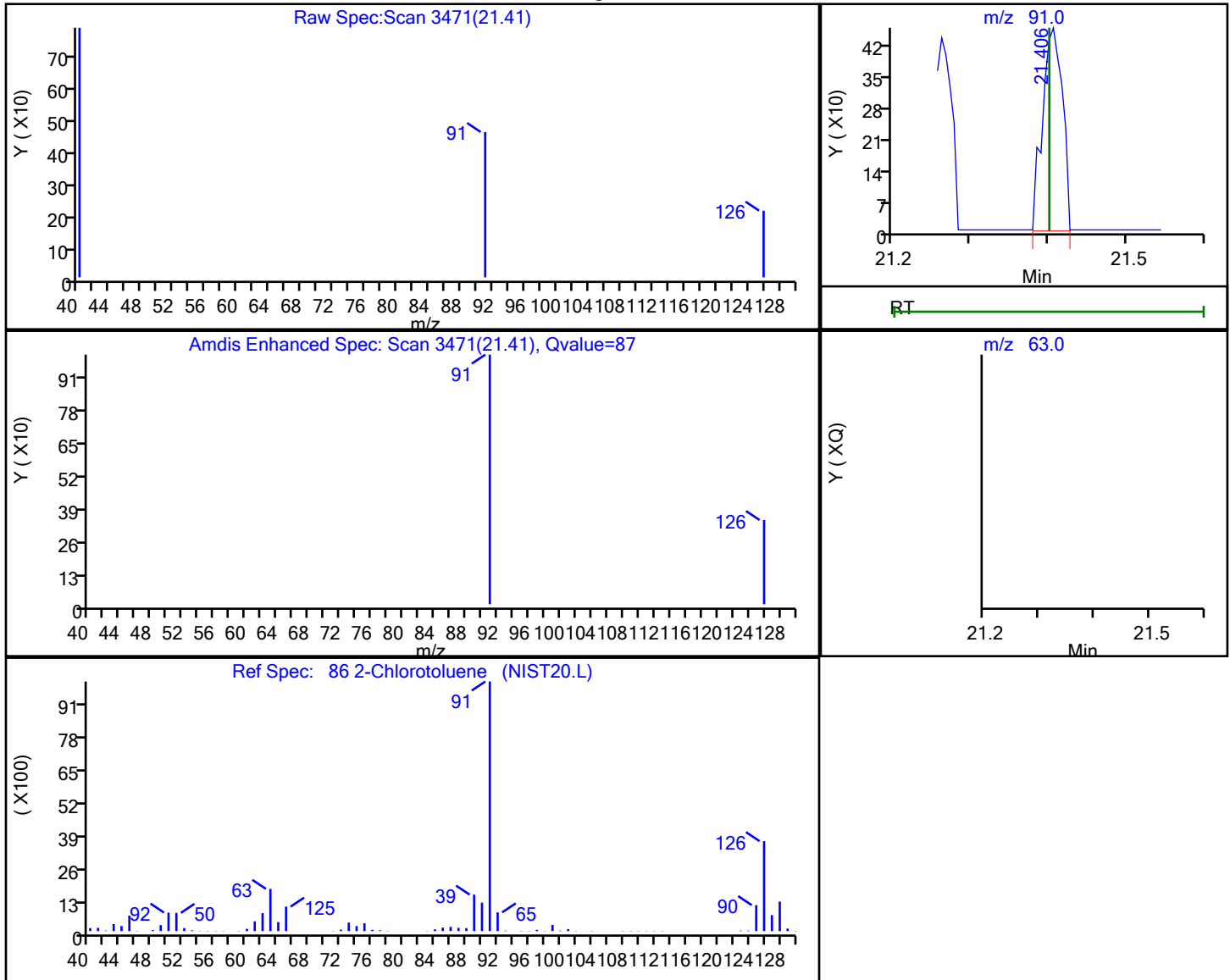


Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20230223-54466.b\54466-005.d
Injection Date: 23-Feb-2023 10:50:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: wrd 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

86 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.41	91.00	820	0.016794
21.40	63.00	0	

Reviewer: puangmaleek, 24-Feb-2023 06:06:59

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.: 200-66988-1
SDG No.: _____
Lab File ID: 200-54507-005.D Lab Sample ID: MB 200-188869/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHG.i Date Analyzed: 02/26/2023 13:59
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
4951	200-66988-7	200-54507-0 06.D	02/26/2023 14:52

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66988-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-188869/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54507-005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/26/2023 13:59</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>188869</u>	Units: <u>ppb v/v</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	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66988-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-188869/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54507-005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/26/2023 13:59</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>188869</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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
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

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

Lab Name: Eurofins Burlington Job No.: 200-66988-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-188869/5
 Matrix: Air Lab File ID: 200-54507-005.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 02/26/2023 13:59
 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.: 188869 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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\CHG.i\20230226-54507.b\200-54507-005.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 26-Feb-2023 13:59:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054507-005
 Misc. Info.: 66980-6
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Feb-2023 04:49:40 Calib Date: 23-Feb-2023 07:28:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230222-54458.b\200-54458-021.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1616

First Level Reviewer: BKZ7

Date: 27-Feb-2023 07:20:04

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		3.110					ND	7
2 Dichlorodifluoromethane	85		3.169					ND	7
3 Chlorodifluoromethane	51		3.190					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.388					ND	7
5 Chloromethane	50		3.468					ND	7
6 Vinyl chloride	62		3.672					ND	
7 Butane	43		3.672					ND	7
8 Butadiene	54		3.747					ND	
9 Bromomethane	94		4.244					ND	
10 Chloroethane	64		4.437					ND	
11 2-Methylbutane	43		4.597					ND	7
12 Vinyl bromide	106		4.758					ND	
13 Trichlorofluoromethane	101		4.891					ND	
14 Pentane	43		5.052					ND	7
15 Ethanol	45		5.175					ND	7
16 Ethyl ether	59	5.549	5.397	0.155	1	134		0.0166	
17 Acrolein	56		5.598					ND	
18 1,1-Dichloroethene	96		5.785					ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.817					ND	
19 Acetone	43		5.849					ND	7
22 Isopropyl alcohol	45		6.106					ND	7
23 Carbon disulfide	76		6.165					ND	7
24 Acetonitrile	41		6.298					ND	7
25 3-Chloro-1-propene	41		6.416					ND	7
26 Methylene Chloride	49		6.630					ND	7
27 2-Methyl-2-propanol	59		6.839					ND	
28 Acrylonitrile	53		7.015					ND	7
29 trans-1,2-Dichloroethene	61		7.117					ND	7
30 Methyl tert-butyl ether	73		7.138					ND	7
31 Hexane	57		7.625					ND	
32 1,1-Dichloroethane	63		7.860					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
33 Vinyl acetate	43		7.871					ND	
34 2-Butanone (MEK)	72		8.834					ND	
35 cis-1,2-Dichloroethene	96		8.845					ND	
36 Ethyl acetate	88		8.920					ND	
* 37 Chlorobromomethane	128	9.267	9.257	0.010	92	143489	10.0	10.0	
38 Tetrahydrofuran	42		9.337					ND	
39 Chloroform	83		9.444					ND	
S 43 1,2-Dichloroethene, Total	61		9.665					ND	7
40 1,1,1-Trichloroethane	97		9.770					ND	
41 Cyclohexane	84		9.925					ND	
42 Carbon tetrachloride	117		10.070					ND	
44 Benzene	78		10.434					ND	MU
45 1,2-Dichloroethane	62		10.509					ND	
46 Isooctane	57		10.696					ND	
47 n-Heptane	43		11.038					ND	7
* 48 1,4-Difluorobenzene	114	11.252	11.252	0.000	97	742030	10.0	10.0	
49 n-Butanol	56		11.573					ND	
50 Trichloroethene	95		11.734					ND	
51 1,2-Dichloropropane	63		12.242					ND	
54 Methyl methacrylate	69		12.370					ND	
53 Dibromomethane	174		12.413					ND	7
55 1,4-Dioxane	88		12.413					ND	
A 57 GRO	1	12.536	(4.587-20.485)		0	2706935		0	
56 Dichlorobromomethane	83		12.755					ND	
58 cis-1,3-Dichloropropene	75		13.649					ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.970					ND	
A 62 TVOC as Toluene	92	14.267	(3.100-25.434)		0	3246396		0	
60 Toluene	92	14.344	14.354	-0.006	24	759		0.0271	
A 61 Toluene Range	92	14.350	(14.310-14.390)		0	50046		NC	
A 64 C8 Range	1		(14.633-14.693)					ND	
63 n-Octane	43		14.655					ND	7
65 trans-1,3-Dichloropropene	75		14.799					ND	
66 1,1,2-Trichloroethane	83		15.200					ND	
67 Tetrachloroethene	166		15.420					ND	
68 2-Hexanone	43		15.682					ND	7
69 Chlorodibromomethane	129		15.981					ND	
70 Ethylene Dibromide	107		16.233					ND	
* 71 Chlorobenzene-d5	117	17.212	17.212	0.000	97	524101	10.0	10.0	
72 Chlorobenzene	112		17.276					ND	
73 Ethylbenzene	91	17.485	17.495	-0.005	40	3100		0.0468	
74 m-Xylene & p-Xylene	106		17.768					ND	
75 n-Nonane	57		17.864					ND	
76 o-Xylene	106	18.581	18.587	0.000	1	724		0.0335	
77 Styrene	104		18.619					ND	
78 Bromoform	173		18.977					ND	
79 Isopropylbenzene	105		19.346					ND	
S 82 Xylenes, Total	106				0			0.0335	
80 1,1,2,2-Tetrachloroethane	83		19.892					ND	7
81 1,2,3-Trichloropropane	75		19.999					ND	
83 N-Propylbenzene	91		20.117					ND	7
84 2-Chlorotoluene	91		20.261					ND	7
85 4-Ethyltoluene	105		20.325					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,3,5-Trimethylbenzene	105		20.427					ND	
87 n-Decane	57		20.475					ND	
88 Alpha Methyl Styrene	118		20.764					ND	
89 tert-Butylbenzene	119		20.930					ND	
90 1,2,4-Trimethylbenzene	105		21.021					ND	7
91 sec-Butylbenzene	105		21.267					ND	7
92 1,3-Dichlorobenzene	146		21.438					ND	7
93 4-Isopropyltoluene	119		21.497					ND	7
94 1,4-Dichlorobenzene	146		21.588					ND	MU
95 Benzyl chloride	91		21.738					ND	7
97 n-Butylbenzene	91		22.064					ND	7
96 1,2-Dichlorobenzene	146		22.080					ND	MU
98 Undecane	57		22.230					ND	
99 Dodecane	57		23.829					ND	
100 1,2,4-Trichlorobenzene	180		24.541					ND	7
101 Hexachlorobutadiene	225		24.792					ND	
102 Naphthalene	128		25.012					ND	7
103 1,2,3-Trichlorobenzene	180		25.424					ND	7

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 27-Feb-2023 07:20:04

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\200-54507-005.D

Injection Date: 26-Feb-2023 13:59:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: MB

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

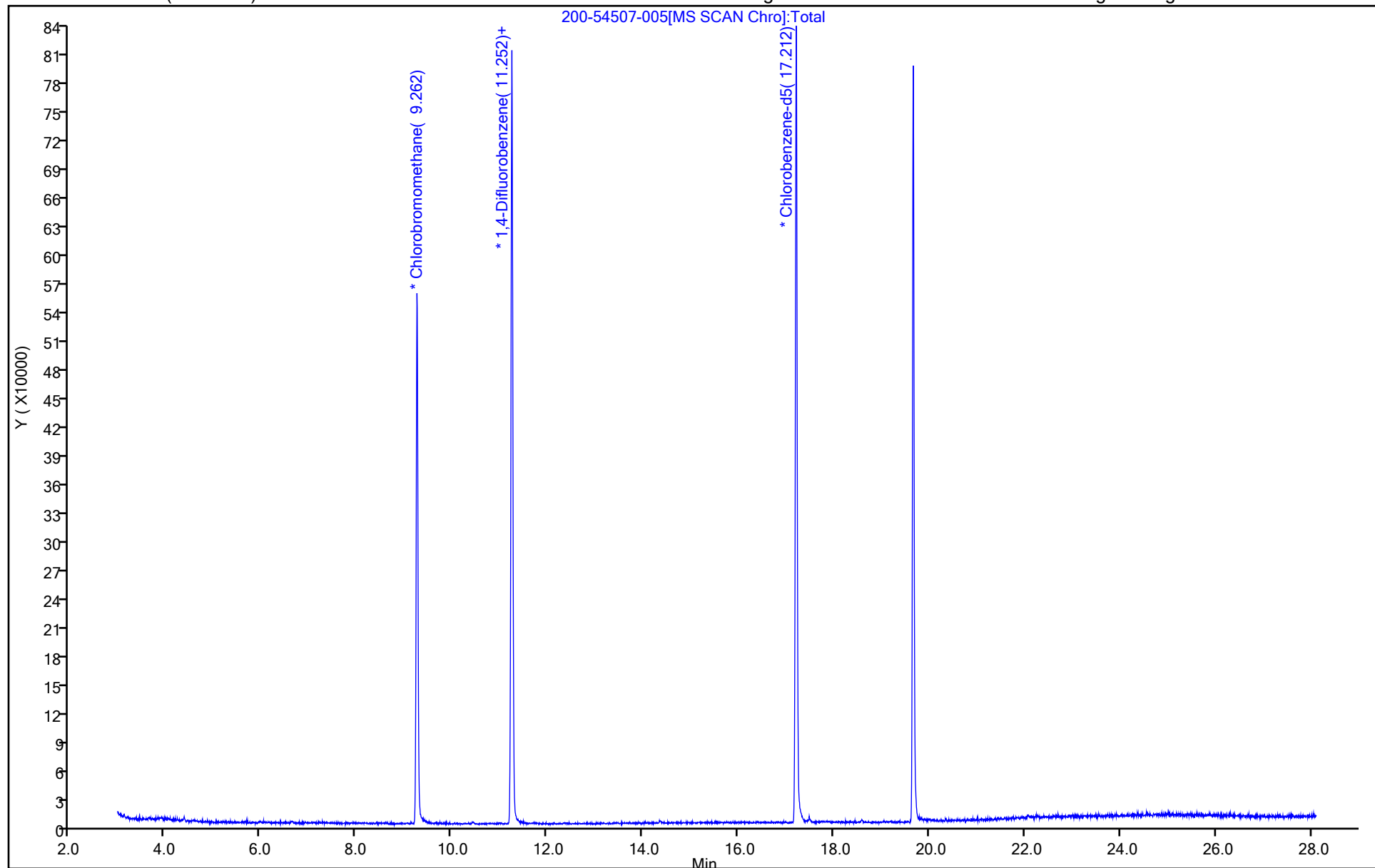
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230226-54507.b\200-54507-005.D

Injection Date: 26-Feb-2023 13:59:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

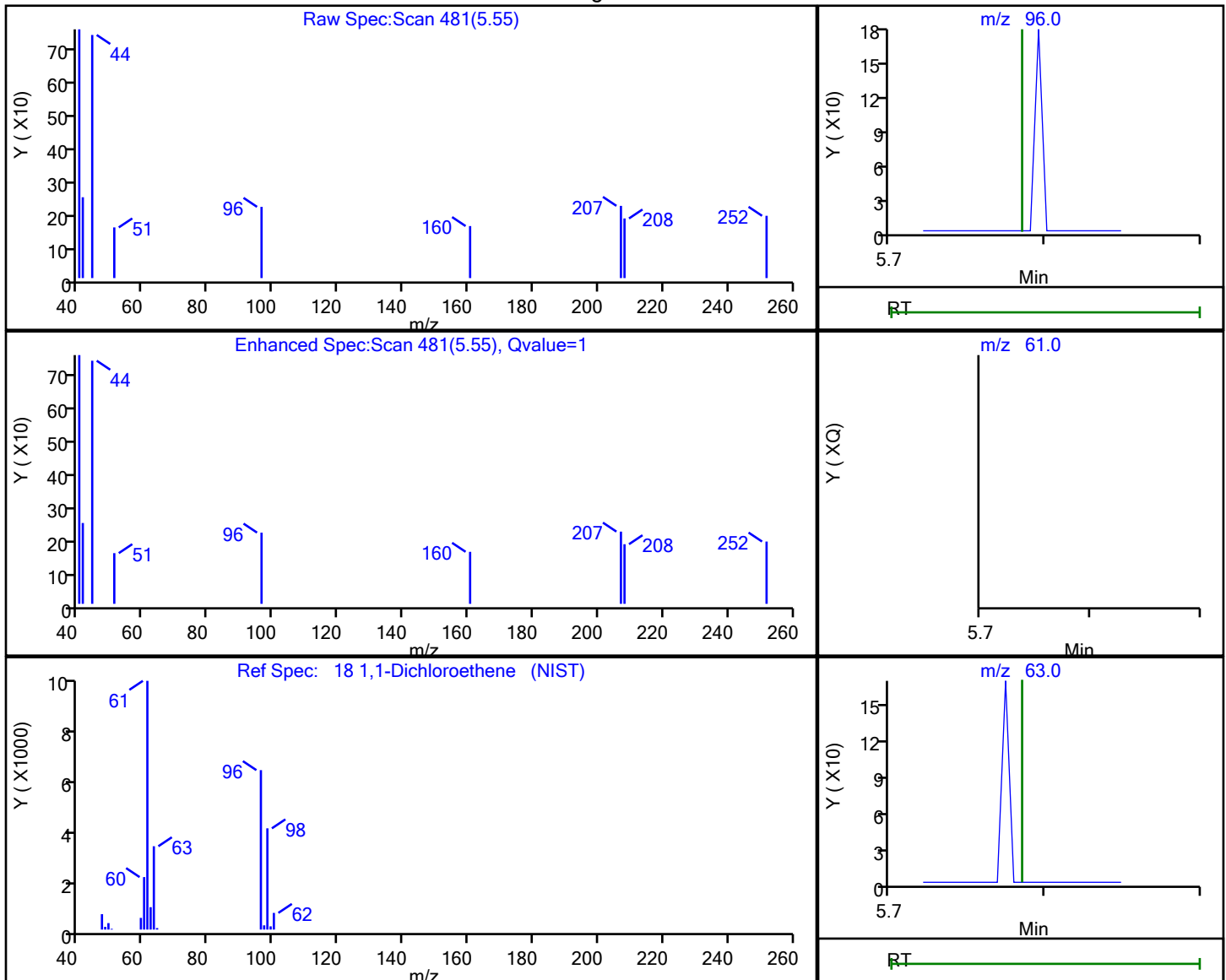
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

18 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.55	96.00	119	0.006554
5.78	61.00	0	
5.78	63.00	0	

Reviewer: puangmaleek, 27-Feb-2023 09:58:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\200-54507-005.D

Injection Date: 26-Feb-2023 13:59:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

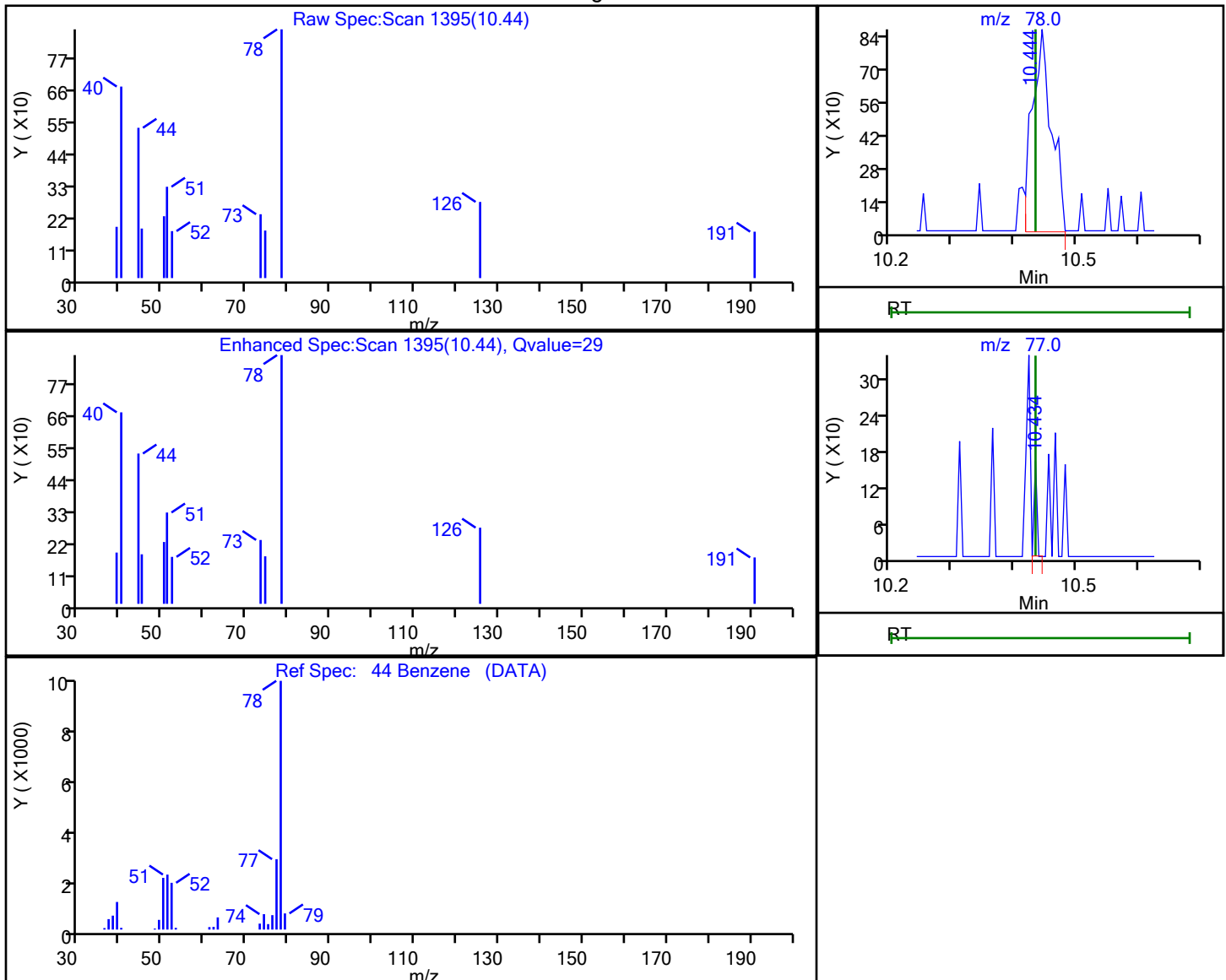
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
10.44	78.00	1870	0.035708
10.43	77.00	50	

Reviewer: puangmaleek, 27-Feb-2023 09:58:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\200-54507-005.D

Injection Date: 26-Feb-2023 13:59:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

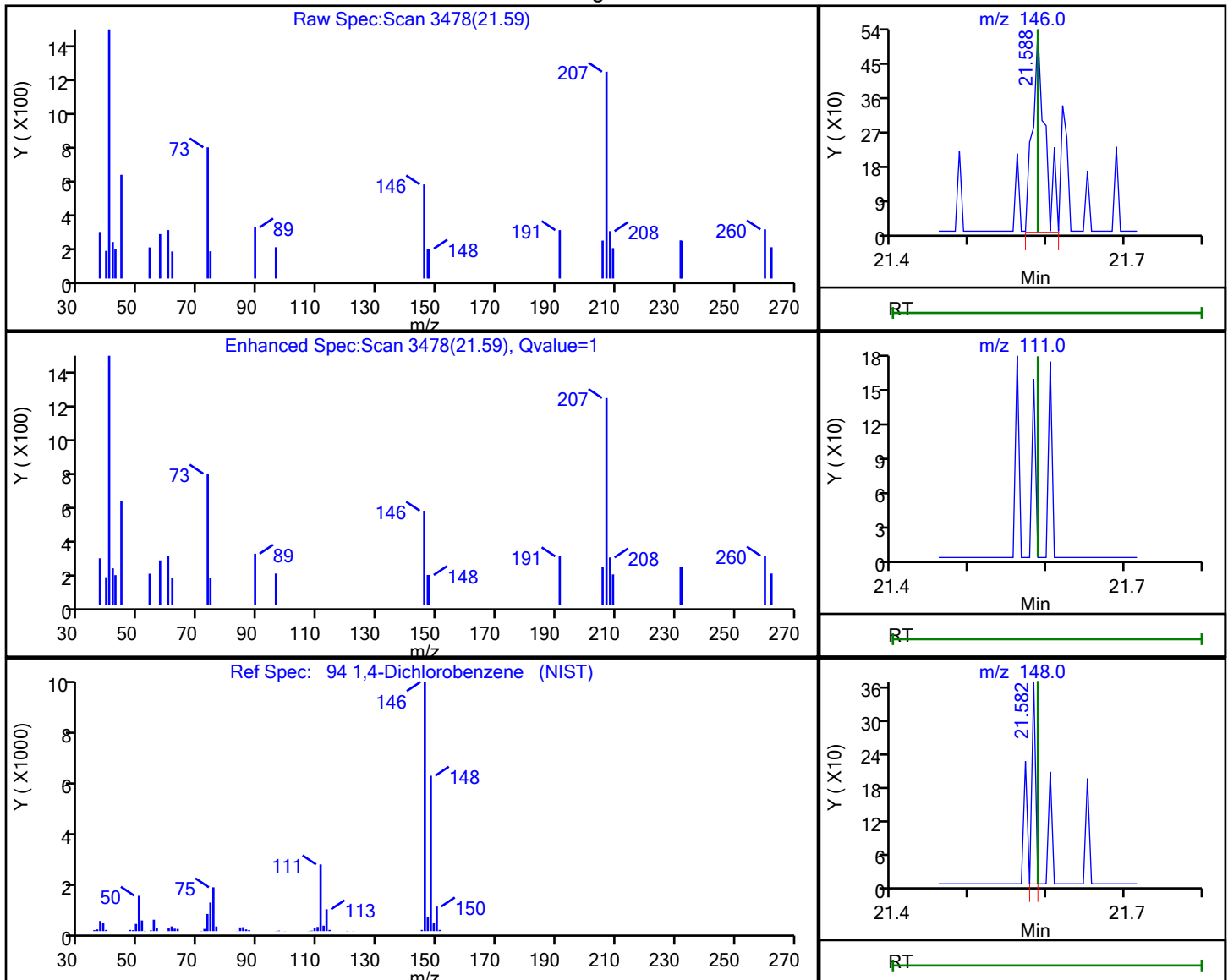
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

94 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
21.59	146.00	595	0.015631
21.59	111.00	0	
21.58	148.00	117	

Reviewer: puangmaleek, 27-Feb-2023 09:58:48

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\200-54507-005.D

Injection Date: 26-Feb-2023 13:59:30

Instrument ID: CHG.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_MasterMethod_(v1)_G

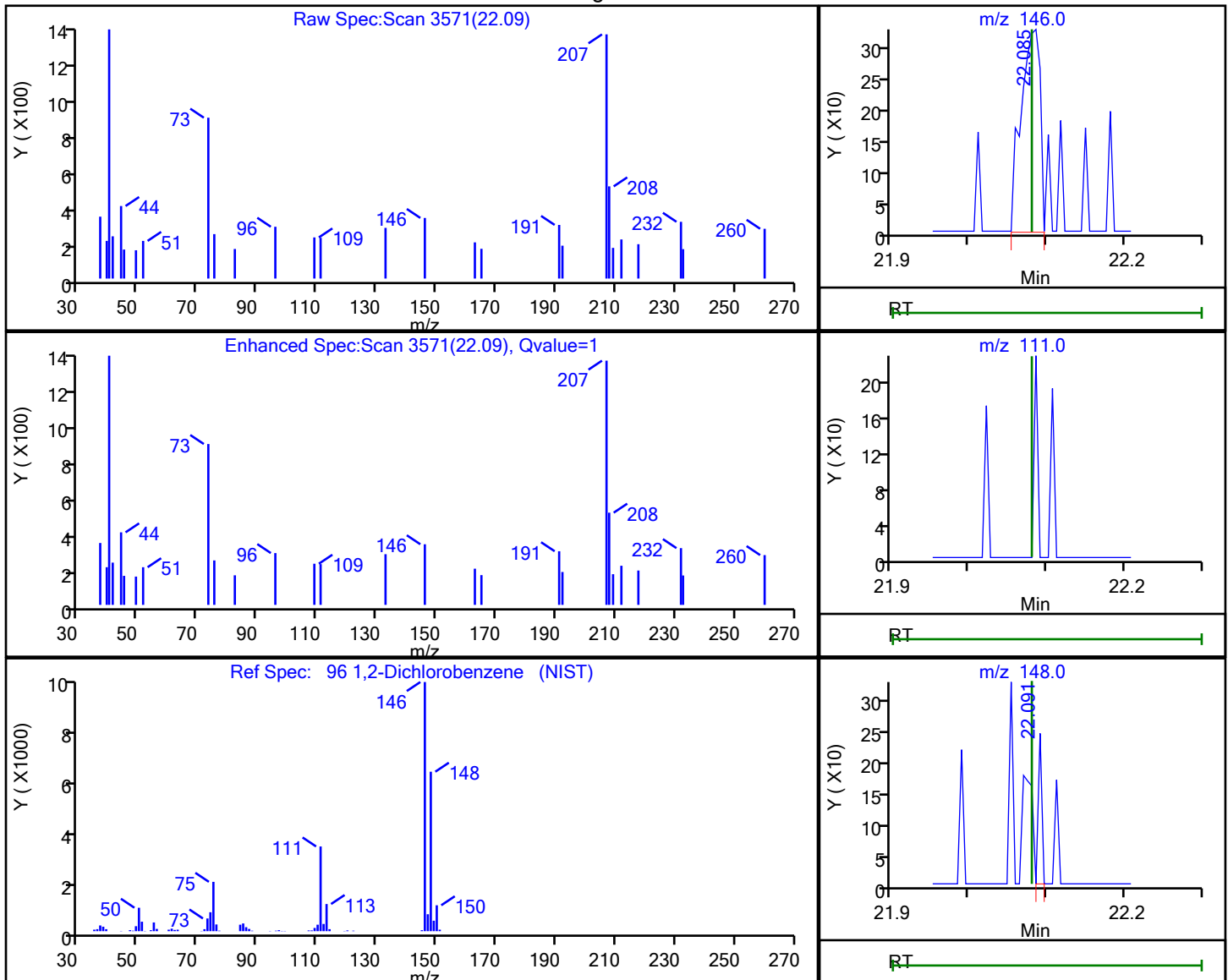
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

96 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
22.09	146.00	567	0.015473
22.08	111.00	0	
22.09	148.00	77	

Reviewer: puangmaleek, 27-Feb-2023 09:58:51

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.: 200-66780-1
SDG No.: _____
Lab File ID: 200-54269-001.D BFB Injection Date: 02/08/2023
Instrument ID: CHG.i BFB Injection Time: 14:45
Analysis Batch No.: 188264

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.7
75	30.0 - 66.0% of mass 95	51.0
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	81.8
175	4.0 - 9.0 % of mass 174	6.1 (7.5) 1
176	93.0 - 101.0% of mass 174	80.3 (98.1) 1
177	5.0 - 9.0% of mass 176	5.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-188264/4	200-54269-004	02/08/2023	17:19
	IC 200-188264/5	200-54269-005	02/08/2023	18:11
	IC 200-188264/6	200-54269-006	02/08/2023	19:04
	IC 200-188264/7	200-54269-007	02/08/2023	19:56
	ICIS 200-188264/8	200-54269-008	02/08/2023	20:49
	IC 200-188264/9	200-54269-009	02/08/2023	21:41
	IC 200-188264/12	200-54269-012	02/09/2023	0:19
	IC 200-188264/13	200-54269-013	02/09/2023	1:11
	ICV 200-188264/17	200-54269-017	02/09/2023	4:42

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

Lab Name: Eurofins Burlington Job No.: 200-66780-1
SDG No.: _____
Lab File ID: 200-54301-001.D BFB Injection Date: 02/11/2023
Instrument ID: CHG.i BFB Injection Time: 10:00
Analysis Batch No.: 188367

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.9
75	30.0 - 66.0% of mass 95	56.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	72.9
175	4.0 - 9.0 % of mass 174	5.3 (7.3) 1
176	93.0 - 101.0% of mass 174	70.6 (96.7) 1
177	5.0 - 9.0% of mass 176	4.6 (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 200-188367/2	200-54301-002	02/11/2023	10:48
	LCS 200-188367/4	200-54301-004	02/11/2023	12:33
	MB 200-188367/5	200-54301-005	02/11/2023	14:58
5456	200-66780-8	200-54301-006	02/11/2023	15:51

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

Lab Name: Eurofins Burlington Job No.: 200-66921-1
SDG No.: _____
Lab File ID: 54170-001.d BFB Injection Date: 01/31/2023
Instrument ID: CHW.i BFB Injection Time: 14:27
Analysis Batch No.: 187989

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	45.8
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	0.6 (0.7) 1
174	50.0 - 120.0% of mass 95	79.5
175	4.0 - 9.0 % of mass 174	5.8 (7.3) 1
176	93.0 - 101.0% of mass 174	76.9 (96.8) 1
177	5.0 - 9.0% of mass 176	5.2 (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 200-187989/4	54170-004.d	01/31/2023	17:02
	IC 200-187989/5	54170-005.d	01/31/2023	17:54
	IC 200-187989/6	54170-006.d	01/31/2023	18:46
	IC 200-187989/7	54170-007.d	01/31/2023	19:38
	ICIS 200-187989/8	54170-008.d	01/31/2023	20:30
	IC 200-187989/9	54170-009.d	01/31/2023	21:21
	IC 200-187989/12	54170-012.d	01/31/2023	23:57
	IC 200-187989/13	54170-013.d	02/01/2023	0:48
	ICV 200-187989/16	54170-016.d	02/01/2023	3:25

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

Lab Name: Eurofins Burlington Job No.: 200-66921-1
SDG No.: _____
Lab File ID: 54466-001.d BFB Injection Date: 02/23/2023
Instrument ID: CHW.i BFB Injection Time: 07:21
Analysis Batch No.: 188785

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.2
75	30.0 - 66.0% of mass 95	45.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 120.0% of mass 95	77.4
175	4.0 - 9.0 % of mass 174	5.5 (7.1) 1
176	93.0 - 101.0% of mass 174	74.3 (96.0) 1
177	5.0 - 9.0% of mass 176	4.9 (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 200-188785/3	54466-003.d	02/23/2023	9:05
	LCS 200-188785/4	54466-004.d	02/23/2023	9:57
	MB 200-188785/5	54466-005.d	02/23/2023	10:50
3164	200-66921-4	54466-006.d	02/23/2023	11:55

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

Lab Name: Eurofins Burlington Job No.: 200-66988-1
SDG No.: _____
Lab File ID: 200-54458-001.D BFB Injection Date: 02/22/2023
Instrument ID: CHG.i BFB Injection Time: 13:22
Analysis Batch No.: 188754

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.0
75	30.0 - 66.0% of mass 95	56.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	67.3
175	4.0 - 9.0 % of mass 174	5.9 (8.8) 1
176	93.0 - 101.0% of mass 174	65.2 (96.8) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 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 200-188754/4	200-54458-004	02/22/2023	15:59
	IC 200-188754/5	200-54458-005	02/22/2023	16:52
	IC 200-188754/6	200-54458-006	02/22/2023	17:44
	IC 200-188754/7	200-54458-007	02/22/2023	18:37
	ICIS 200-188754/8	200-54458-008	02/22/2023	19:30
	IC 200-188754/9	200-54458-009	02/22/2023	20:22
	IC 200-188754/12	200-54458-012	02/22/2023	23:01
	IC 200-188754/21	200-54458-021	02/23/2023	7:28
	ICV 200-188754/24	200-54458-024	02/23/2023	9:13

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

Lab Name: Eurofins Burlington Job No.: 200-66988-1
SDG No.: _____
Lab File ID: 200-54507-001.D BFB Injection Date: 02/26/2023
Instrument ID: CHG.i BFB Injection Time: 10:33
Analysis Batch No.: 188869

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	31.8
75	30.0 - 66.0% of mass 95	64.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	69.7
175	4.0 - 9.0 % of mass 174	5.8 (8.3) 1
176	93.0 - 101.0% of mass 174	67.7 (97.1) 1
177	5.0 - 9.0% of mass 176	4.5 (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 200-188869/2	200-54507-002	02/26/2023	11:21
	LCS 200-188869/3	200-54507-003	02/26/2023	12:14
	MB 200-188869/5	200-54507-005	02/26/2023	13:59
4951	200-66988-7	200-54507-006	02/26/2023	14:52

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

Lab Name: Eurofins Burlington Job No.: 200-66780-1
SDG No.: _____
Sample No.: ICIS 200-188264/8 Date Analyzed: 02/08/2023 20:49
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 200-54269-008.D Heated Purge: (Y/N) N
Calibration ID: 49840

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		280539	9.27	1601507	11.26	1409498	17.22
UPPER LIMIT		392755	9.60	2242110	11.59	1973297	17.55
LOWER LIMIT		168323	8.94	960904	10.93	845699	16.89
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-188264/17		273591	9.27	1455872	11.26	1321494	17.22

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.: 200-66780-1
 SDG No.: _____
 Sample No.: CCVIS 200-188367/2 Date Analyzed: 02/11/2023 10:48
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 200-54301-002.D Heated Purge: (Y/N) N
 Calibration ID: 49840

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		251278	9.27	1532875	11.26	1314536	17.22
UPPER LIMIT		351789	9.60	2146025	11.59	1840350	17.55
LOWER LIMIT		150767	8.94	919725	10.93	788722	16.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-188367/4		241536	9.27	1398102	11.26	1259761	17.22
MB 200-188367/5		190689	9.27	1138334	11.26	879748	17.22
200-66780-8	5456	209845	9.27	1191492	11.26	923425	17.22

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.: 200-66921-1
 SDG No.: _____
 Sample No.: ICIS 200-187989/8 Date Analyzed: 01/31/2023 20:30
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 54170-008.d Heated Purge: (Y/N) N
 Calibration ID: 49811

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		112865	11.19	591871	13.04	505271	18.50
UPPER LIMIT		158011	11.52	828619	13.37	707379	18.83
LOWER LIMIT		67719	10.86	355123	12.71	303163	18.17
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-187989/16		110516	11.20	571410	13.04	488707	18.50

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.: 200-66921-1
 SDG No.: _____
 Sample No.: CCVIS 200-188785/3 Date Analyzed: 02/23/2023 09:05
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 54466-003.d Heated Purge: (Y/N) N
 Calibration ID: 49811

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		81566	11.19	411892	13.03	352617	18.50
UPPER LIMIT		114192	11.52	576649	13.36	493664	18.83
LOWER LIMIT		48940	10.86	247135	12.70	211570	18.17
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-188785/4		76590	11.19	385468	13.04	341156	18.50
MB 200-188785/5		80532	11.20	432038	13.04	342143	18.50
200-66921-4		3164	80504	11.19	430780	13.04	340311

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.: 200-66988-1
SDG No.: _____
Sample No.: ICIS 200-188754/8 Date Analyzed: 02/22/2023 19:30
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 200-54458-008.D Heated Purge: (Y/N) N
Calibration ID: 49907

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	228387	9.26	1355688	11.25	1200895	17.21	
UPPER LIMIT	319742	9.59	1897963	11.58	1681253	17.54	
LOWER LIMIT	137032	8.93	813413	10.92	720537	16.88	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-188754/24		209032	9.26	1100548	11.25	1049161	17.21

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.: 200-66988-1
 SDG No.: _____
 Sample No.: CCVIS 200-188869/2 Date Analyzed: 02/26/2023 11:21
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 200-54507-002.D Heated Purge: (Y/N) N
 Calibration ID: 49907

		BCM		DFBZ		CBNZd5		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		177195	9.26	938644	11.25	845692	17.21	
UPPER LIMIT		248073	9.59	1314102	11.58	1183969	17.54	
LOWER LIMIT		106317	8.93	563186	10.92	507415	16.88	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 200-188869/3		187436	9.26	1009204	11.25	854404	17.21	
MB 200-188869/5		143489	9.27	742030	11.25	524101	17.21	
200-66988-7		4951	153108	9.26	801996	11.25	555056	17.21

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>200-66780-1</u>
SDG No.: _____	
Client Sample ID: <u>5456</u>	Lab Sample ID: <u>200-66780-8</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54301-006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>02/09/2023 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>02/11/2023 15:51</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>188367</u>	Units: <u>ppb v/v</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	0.040	U	0.040	0.040
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	0.040	U	0.040	0.040
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	0.040	U	0.040	0.040
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
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66780-1</u>
SDG No.: _____	
Client Sample ID: <u>5456</u>	Lab Sample ID: <u>200-66780-8</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54301-006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>02/09/2023 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>02/11/2023 15:51</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>188367</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
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	0.040	U	0.040	0.040
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
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66780-1</u>
SDG No.: _____	
Client Sample ID: <u>5456</u>	Lab Sample ID: <u>200-66780-8</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54301-006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>02/09/2023 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>02/11/2023 15:51</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>188367</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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\CHG.i\20230211-54301.b\200-54301-006.D
 Lims ID: 200-66780-A-8
 Client ID: 5456
 Sample Type: Client
 Inject. Date: 11-Feb-2023 15:51:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0054301-006
 Misc. Info.: 66780-8
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Feb-2023 11:04:17 Calib Date: 09-Feb-2023 01:11:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230208-54269.b\200-54269-013.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1686

First Level Reviewer: W5NX

Date: 13-Feb-2023 12:20:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.110				ND	7
2 Dichlorodifluoromethane	85		3.169				ND	7
3 Chlorodifluoromethane	51		3.190				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.388				ND	7
5 Chloromethane	50		3.468				ND	7
6 Vinyl chloride	62		3.671				ND	
7 Butane	43		3.677				ND	7
8 Butadiene	54		3.746				ND	7
9 Bromomethane	94		4.244				ND	
10 Chloroethane	64		4.436				ND	
12 Vinyl bromide	106		4.763				ND	
13 Trichlorofluoromethane	101		4.891				ND	
15 Ethanol	45		5.175				ND	7
18 1,1-Dichloroethene	96		5.785				ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.811				ND	7
19 Acetone	43		5.849				ND	7
22 Isopropyl alcohol	45		6.106				ND	7
23 Carbon disulfide	76		6.164				ND	7
25 3-Chloro-1-propene	41		6.421				ND	7
26 Methylene Chloride	49		6.630				ND	7
27 2-Methyl-2-propanol	59		6.838				ND	
29 trans-1,2-Dichloroethene	61		7.117				ND	
30 Methyl tert-butyl ether	73		7.138				ND	7
31 Hexane	57		7.625				ND	
32 1,1-Dichloroethane	63		7.866				ND	
33 Vinyl acetate	43		7.876				ND	
34 2-Butanone (MEK)	72		8.834				ND	
35 cis-1,2-Dichloroethene	96		8.850				ND	
36 Ethyl acetate	88		8.925				ND	
* 37 Chlorobromomethane	128	9.267	9.267	0.000	89	209845	10.0	
38 Tetrahydrofuran	42		9.337				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Chloroform	83		9.449				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.775				ND	
41 Cyclohexane	84		9.931				ND	
42 Carbon tetrachloride	117		10.075				ND	
44 Benzene	78	10.450	10.439	0.006	39	2935	0.0387	M
45 1,2-Dichloroethane	62		10.519				ND	
46 Isooctane	57		10.696				ND	
47 n-Heptane	43		11.038				ND	7
* 48 1,4-Difluorobenzene	114	11.257	11.257	0.000	96	1191492	10.0	
50 Trichloroethene	95		11.739				ND	
51 1,2-Dichloropropane	63		12.247				ND	
54 Methyl methacrylate	69		12.375				ND	
53 Dibromomethane	174		12.418				ND	7
55 1,4-Dioxane	88		12.418				ND	
56 Dichlorobromomethane	83		12.771				ND	
58 cis-1,3-Dichloropropene	75		13.659				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.975				ND	7
60 Toluene	92	14.366	14.350	0.006	68	1725	0.0356	
65 trans-1,3-Dichloropropene	75		14.810				ND	
66 1,1,2-Trichloroethane	83		15.211				ND	
67 Tetrachloroethene	166		15.430				ND	
68 2-Hexanone	43		15.687				ND	7
69 Chlorodibromomethane	129		15.992				ND	
70 Ethylene Dibromide	107		16.243				ND	7
* 71 Chlorobenzene-d5	117	17.222	17.222	0.000	91	923425	10.0	
72 Chlorobenzene	112		17.286				ND	
73 Ethylbenzene	91	17.501	17.506	0.001	97	5418	0.0505	
74 m-Xylene & p-Xylene	106		17.779				ND	
76 o-Xylene	106	18.592	18.587	0.000	94	1921	0.0511	M
77 Styrene	104		18.629				ND	7
78 Bromoform	173		18.988				ND	
79 Isopropylbenzene	105		19.351				ND	7
S 82 Xylenes, Total	106				0		0.0511	
80 1,1,2,2-Tetrachloroethane	83		19.902				ND	7
83 N-Propylbenzene	91		20.122				ND	7
84 2-Chlorotoluene	91		20.266				ND	7
85 4-Ethyltoluene	105		20.330				ND	7
86 1,3,5-Trimethylbenzene	105		20.432				ND	7
89 tert-Butylbenzene	119		20.935				ND	7
90 1,2,4-Trimethylbenzene	105		21.026				ND	MU
91 sec-Butylbenzene	105		21.272				ND	7
92 1,3-Dichlorobenzene	146		21.443				ND	MU
93 4-Isopropyltoluene	119		21.502				ND	7
94 1,4-Dichlorobenzene	146		21.588				ND	7
95 Benzyl chloride	91		21.743				ND	MU
97 n-Butylbenzene	91		22.069				ND	7
96 1,2-Dichlorobenzene	146		22.085				ND	7
100 1,2,4-Trichlorobenzene	180	24.551	24.546	0.005	62	2544	0.0621	
101 Hexachlorobutadiene	225		24.803				ND	7
102 Naphthalene	128	25.033	25.022	0.016	92	6471	0.0753	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-006.D

Injection Date: 11-Feb-2023 15:51:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-66780-A-8

Lab Sample ID: 200-66780-8

Worklist Smp#: 6

Client ID: 5456

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

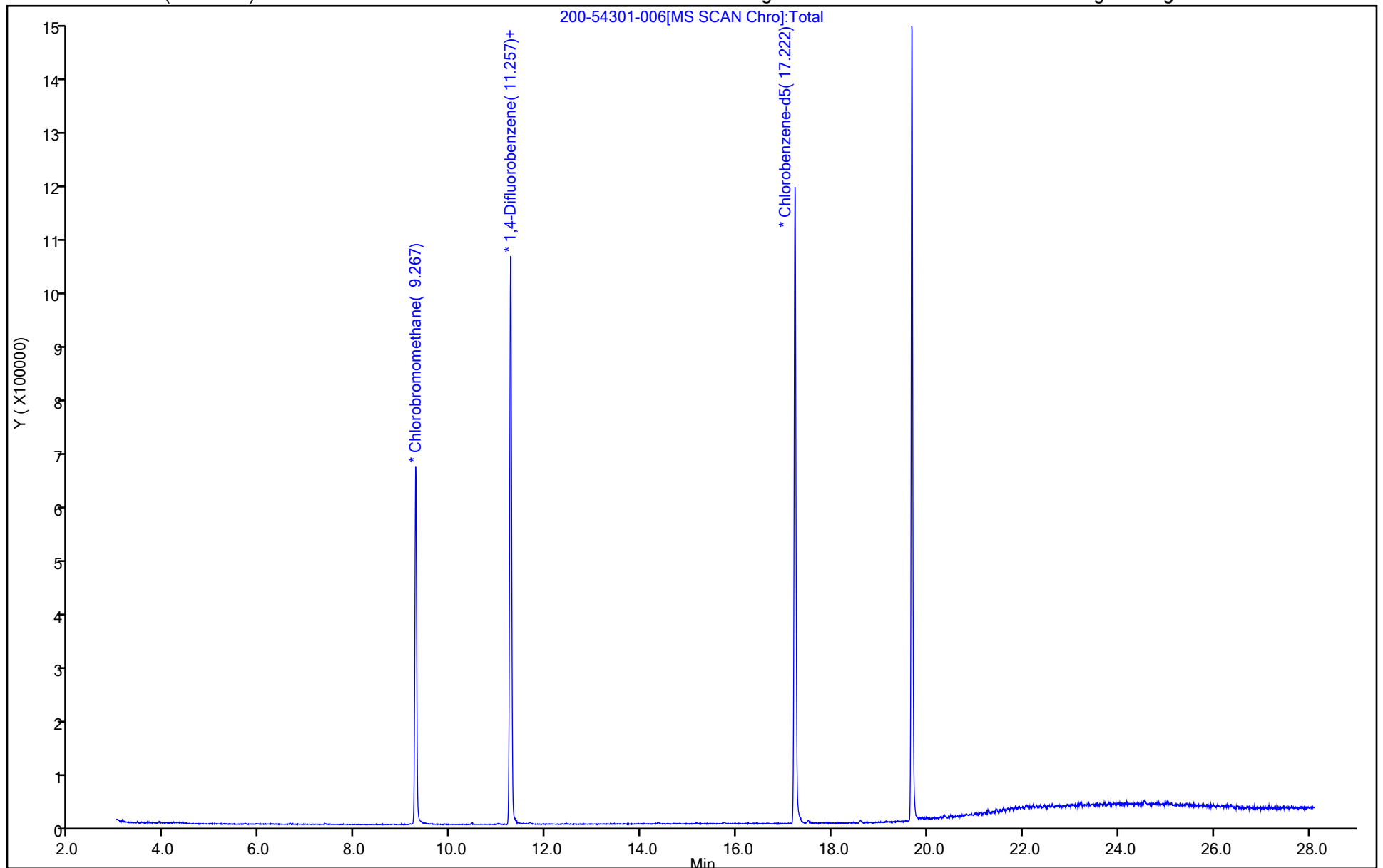
ALS Bottle#: 5

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230211-54301.b\200-54301-006.D

Injection Date: 11-Feb-2023 15:51:30

Instrument ID: CHG.i

Lims ID: 200-66780-A-8

Lab Sample ID: 200-66780-8

Client ID: 5456

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

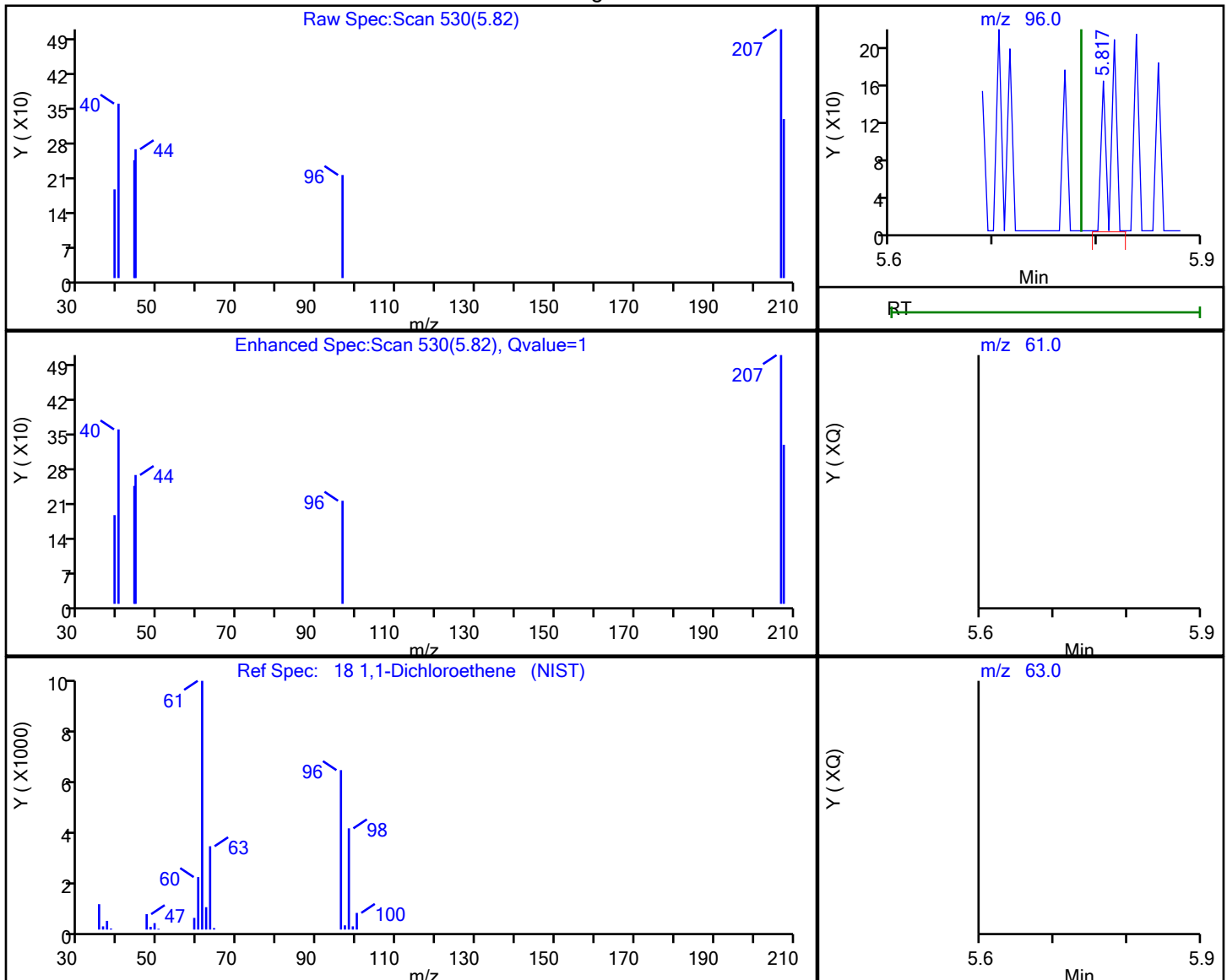
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

18 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.82	96.00	119	0.005508
5.78	61.00	0	
5.78	63.00	0	

Reviewer: J8TG, 13-Feb-2023 08:47:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

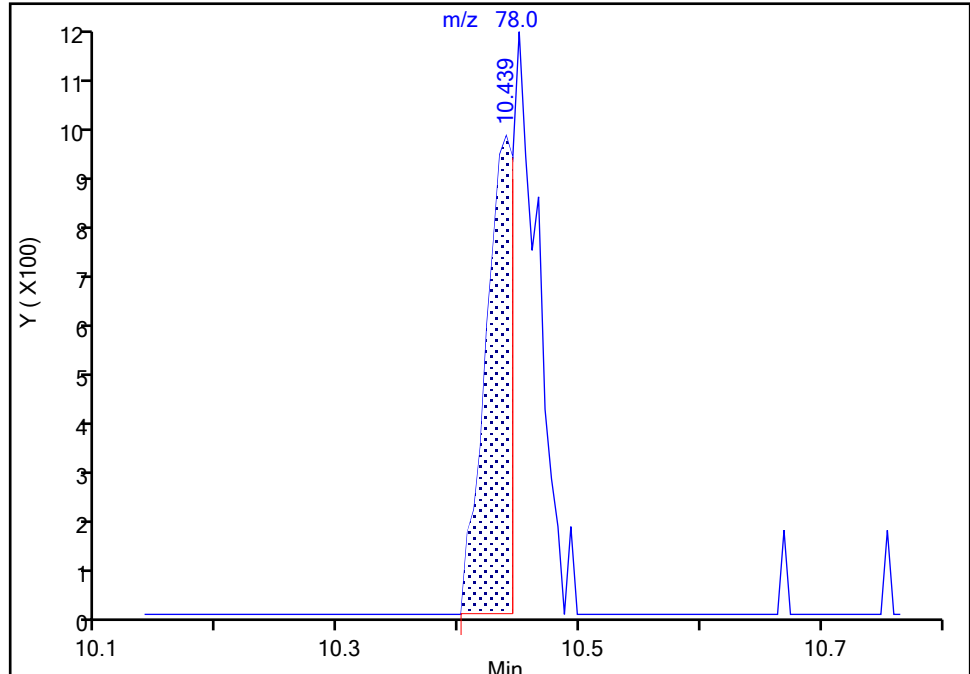
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-006.D		
Injection Date:	11-Feb-2023 15:51:30	Instrument ID:	CHG.i
Lims ID:	200-66780-A-8	Lab Sample ID:	200-66780-8
Client ID:	5456		
Operator ID:	vtp	ALS Bottle#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

44 Benzene, CAS: 71-43-2

Signal: 1

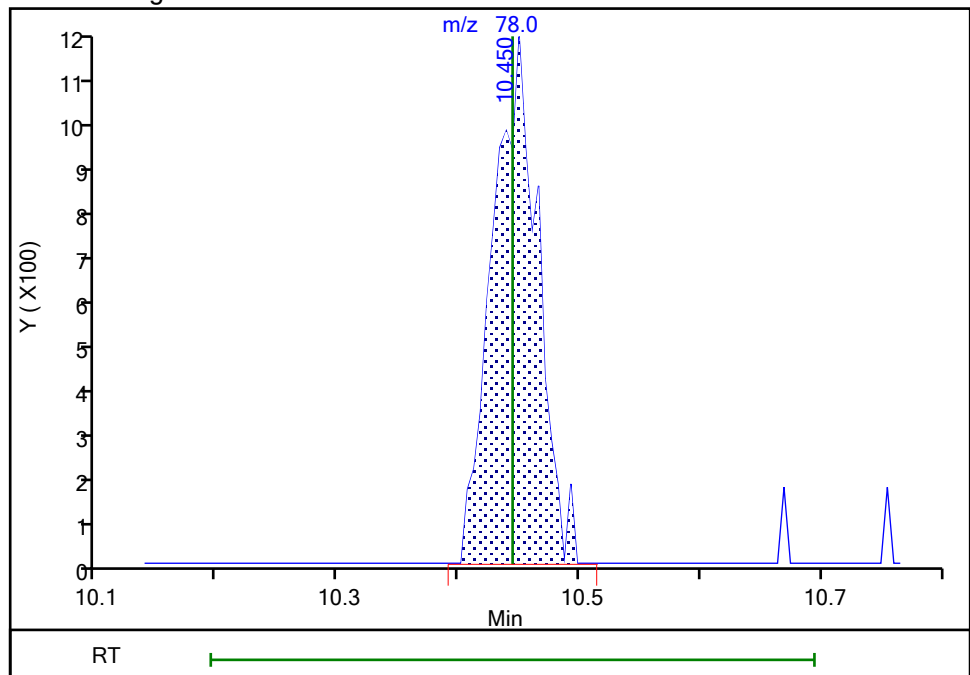
RT: 10.44
Area: 1489
Amount: 0.019656
Amount Units: ppb v/v

Processing Integration Results



RT: 10.45
Area: 2935
Amount: 0.038745
Amount Units: ppb v/v

Manual Integration Results



Reviewer: J8TG, 13-Feb-2023 08:47:59

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Burlington

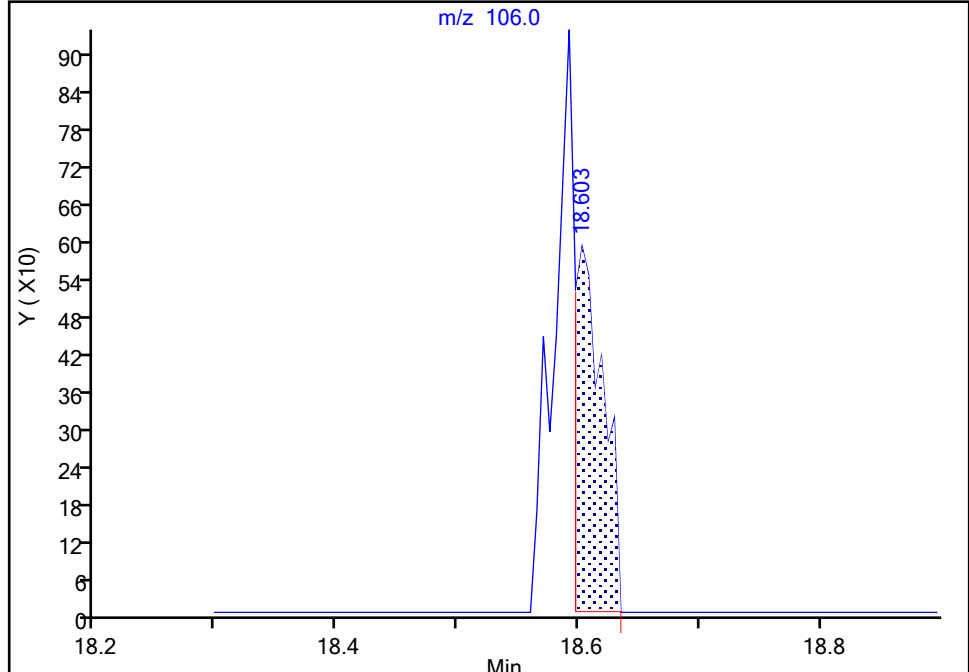
Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-006.D
Injection Date: 11-Feb-2023 15:51:30 Instrument ID: CHG.i
Lims ID: 200-66780-A-8 Lab Sample ID: 200-66780-8
Client ID: 5456
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Signal: 1

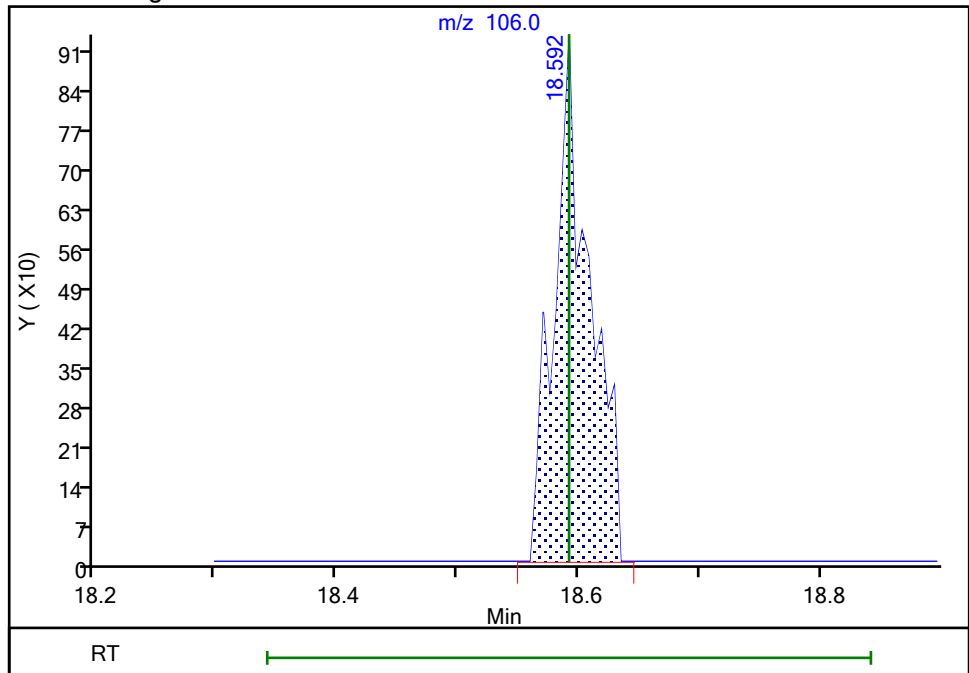
RT: 18.60
Area: 965
Amount: 0.025654
Amount Units: ppb v/v

Processing Integration Results



RT: 18.59
Area: 1921
Amount: 0.051069
Amount Units: ppb v/v

Manual Integration Results



Reviewer: J8TG, 13-Feb-2023 08:48:18
Audit Action: Manually Integrated

Audit Reason: Baseline
Page 840 of 919

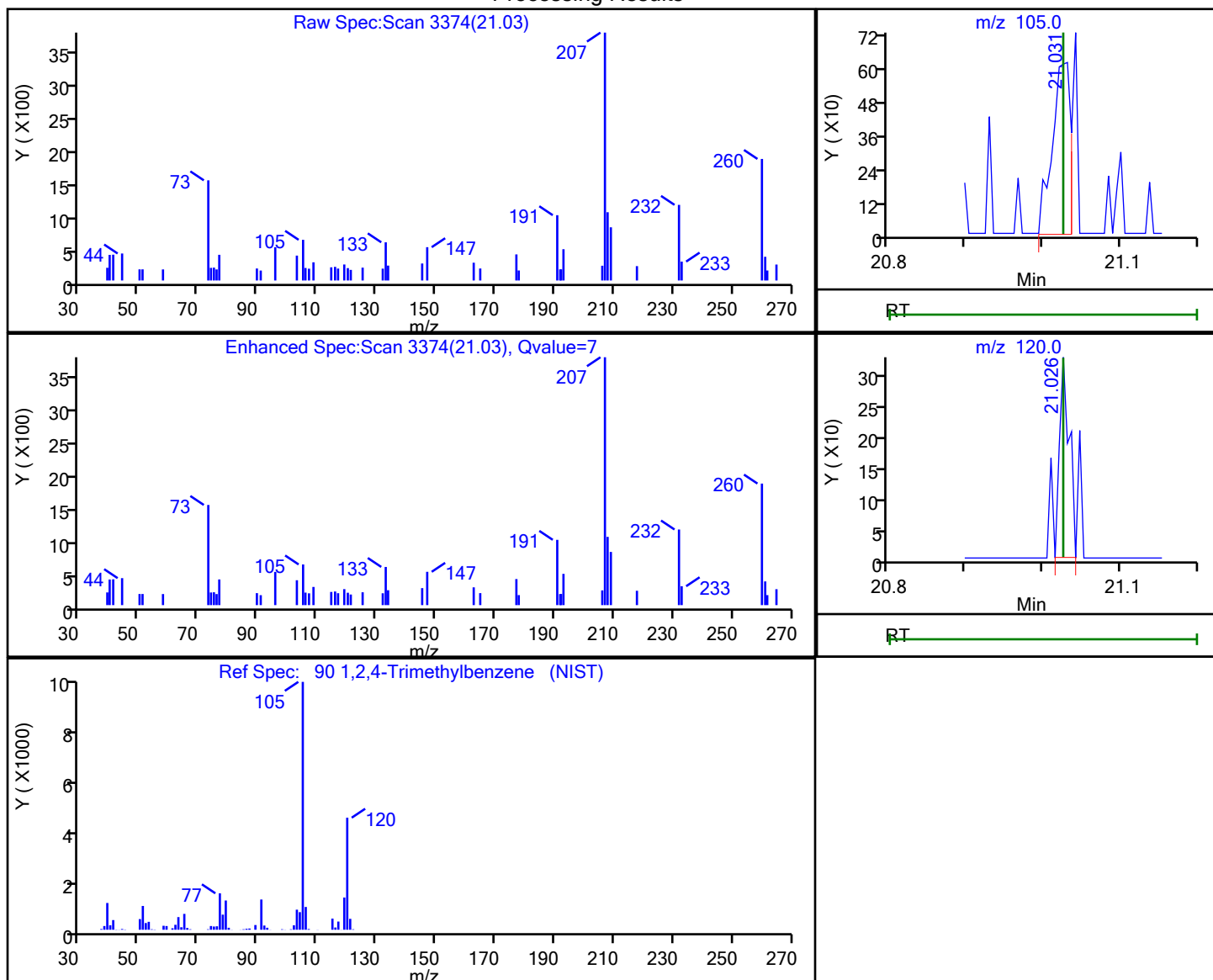
3/21/2023 4:48
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-006.D
Injection Date: 11-Feb-2023 15:51:30 Instrument ID: CHG.i
Lims ID: 200-66780-A-8 Lab Sample ID: 200-66780-8
Client ID: 5456
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
21.03	105.00	1031	0.011889
21.03	120.00	291	

Reviewer: J8TG, 13-Feb-2023 08:48:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-006.D

Injection Date: 11-Feb-2023 15:51:30

Instrument ID: CHG.i

Lims ID: 200-66780-A-8

Lab Sample ID: 200-66780-8

Client ID: 5456

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

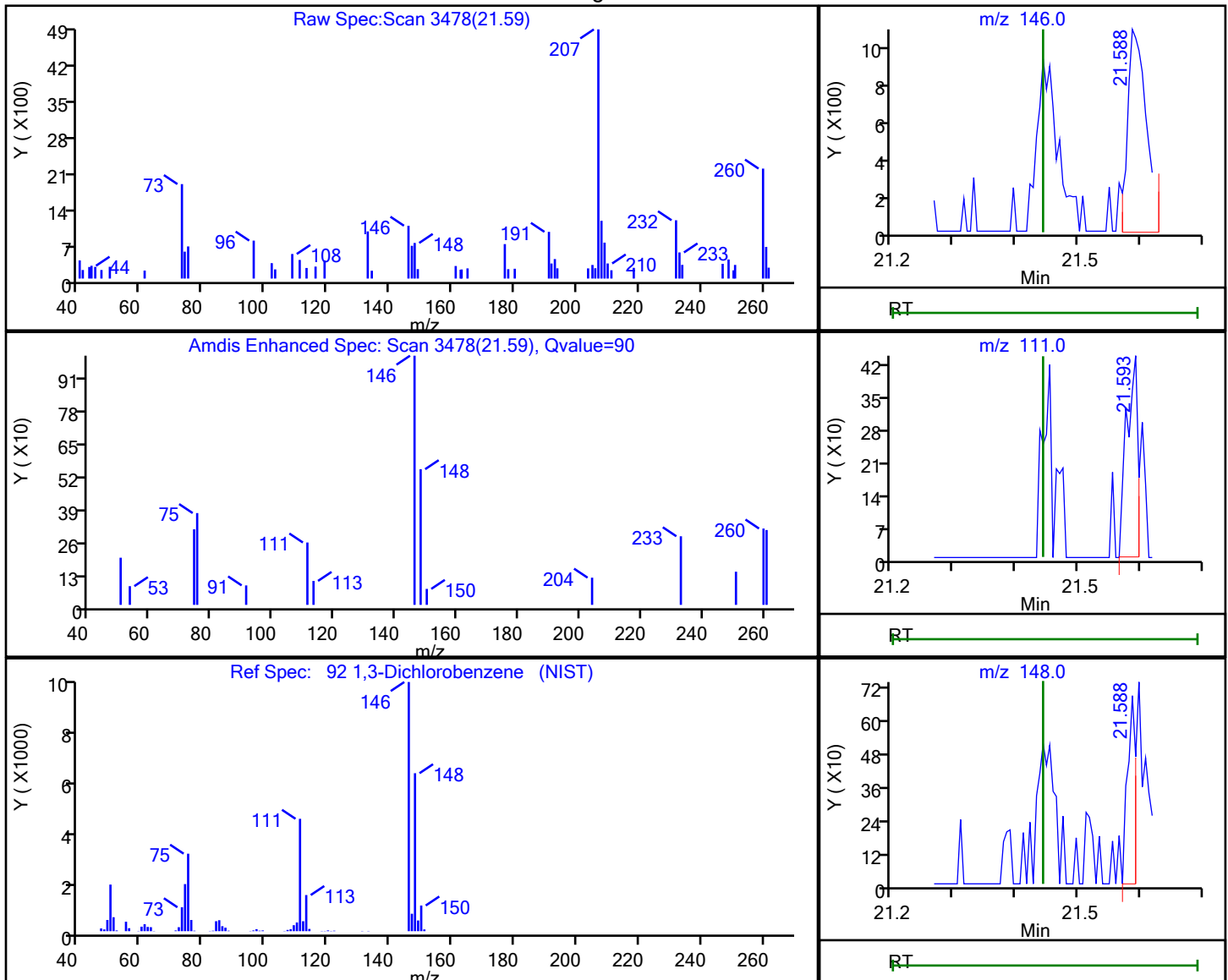
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

92 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
21.59	146.00	2065	0.032286
21.59	111.00	546	
21.59	148.00	628	

Reviewer: J8TG, 13-Feb-2023 08:48:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230211-54301.b\200-54301-006.D

Injection Date: 11-Feb-2023 15:51:30

Instrument ID: CHG.i

Lims ID: 200-66780-A-8

Lab Sample ID: 200-66780-8

Client ID: 5456

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

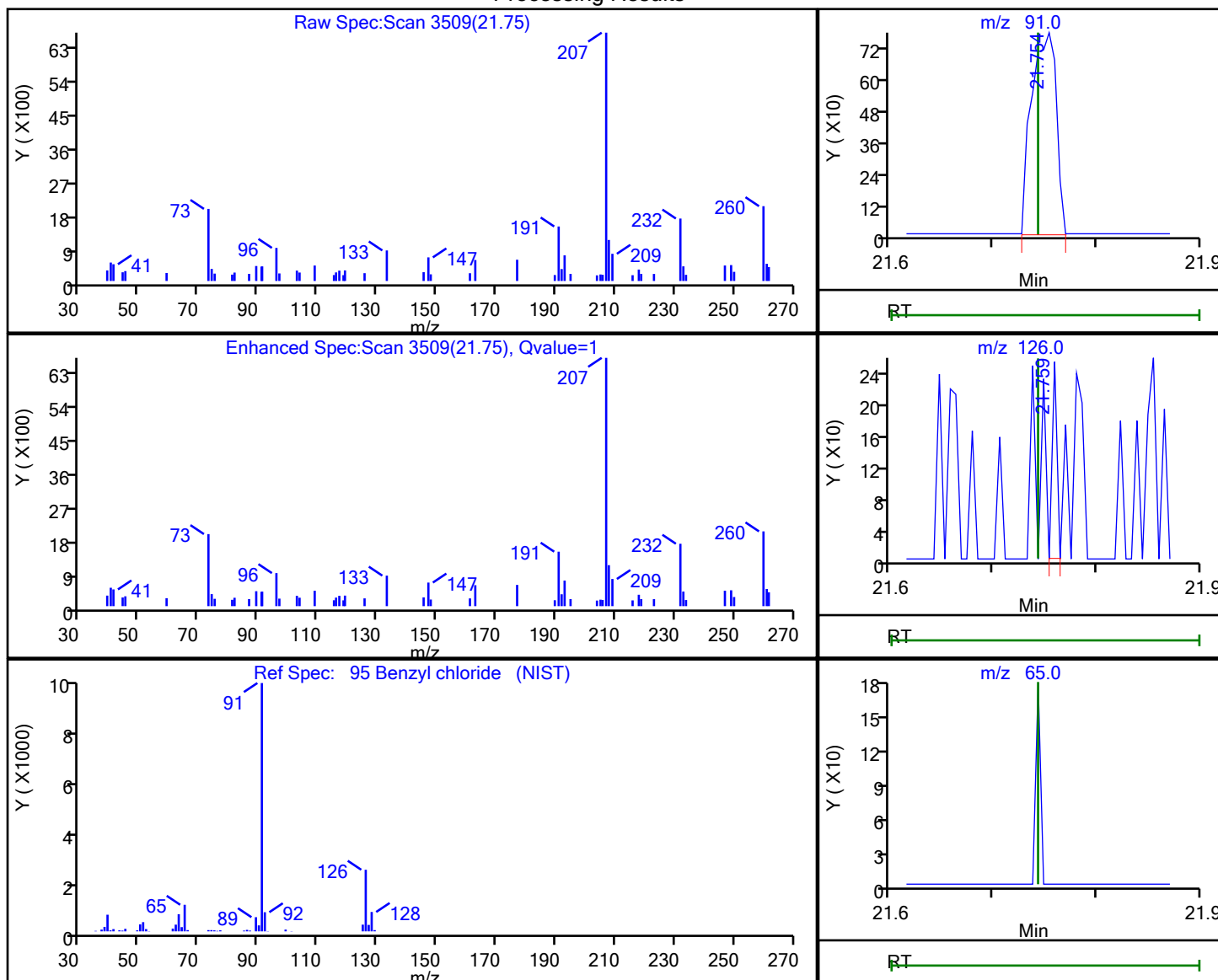
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

95 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
21.75	91.00	1291	0.014343
21.76	126.00	82	
21.74	65.00	0	

Reviewer: J8TG, 13-Feb-2023 08:48:30

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>200-66921-1</u>
SDG No.: _____	
Client Sample ID: <u>3164</u>	Lab Sample ID: <u>200-66921-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>54466-006.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>02/20/2023 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>02/23/2023 11:55</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>188785</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.010
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	0.0084
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-	0.040	U	0.040	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	0.040	U	0.040	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
67-64-1	Acetone	1.0	U	1.0	0.32
67-66-3	Chloroform	0.040	U	0.040	0.0082

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66921-1</u>
SDG No.: _____	
Client Sample ID: <u>3164</u>	Lab Sample ID: <u>200-66921-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>54466-006.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>02/20/2023 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>02/23/2023 11:55</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>188785</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	0.040	U	0.040	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	0.040	U	0.040	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	0.040	U	0.040	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	0.010
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

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20230223-54466.b\54466-006.d
 Lims ID: 200-66921-A-4
 Client ID: 3164
 Sample Type: Client
 Inject. Date: 23-Feb-2023 11:55:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0054466-006
 Misc. Info.: 66921-4
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20230223-54466.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2023 06:07:19 Calib Date: 01-Feb-2023 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20230131-54170.b\54170-013.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: puangmaleek

Date: 24-Feb-2023 06:09:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.089				ND	
2 Dichlorodifluoromethane	85		4.174				ND	
3 Chlorodifluoromethane	51		4.217				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.517				ND	
5 Chloromethane	50		4.634				ND	
6 Vinyl chloride	62		4.929				ND	
7 Butane	43		4.934				ND	
8 Butadiene	54		5.041				ND	
9 Bromomethane	94		5.742				ND	
10 Chloroethane	64		6.009				ND	
13 Vinyl bromide	106		6.421				ND	
14 Trichlorofluoromethane	101		6.582				ND	
16 Ethanol	45		6.951				ND	
20 1,1-Dichloroethene	96		7.630				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.673				ND	
22 Acetone	43		7.711				ND	
23 Isopropyl alcohol	45		8.005				ND	
24 Carbon disulfide	76	8.042	8.037	0.005	24	785	0.0209	
26 3-Chloro-1-propene	41		8.320				ND	
27 Methylene Chloride	49		8.550				ND	7
28 2-Methyl-2-propanol	59		8.770				ND	
30 trans-1,2-Dichloroethene	61		9.048				ND	
31 Methyl tert-butyl ether	73		9.064				ND	
32 Hexane	57		9.556				ND	
33 1,1-Dichloroethane	63		9.802				ND	
34 Vinyl acetate	43		9.813				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
36 2-Butanone (MEK)	72		10.765				ND	
37 cis-1,2-Dichloroethene	96		10.787				ND	
38 Ethyl acetate	88		10.851				ND	
* 39 Chlorobromomethane	128	11.193	11.193	0.000	88	80504	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Tetrahydrofuran	42		11.247				ND	
41 Chloroform	83		11.370				ND	
42 1,1,1-Trichloroethane	97		11.675				ND	
43 Cyclohexane	84		11.814				ND	
44 Carbon tetrachloride	117		11.953				ND	
45 Benzene	78		12.295				ND	
46 1,2-Dichloroethane	62		12.370				ND	
47 Isooctane	57		12.520				ND	
48 n-Heptane	43		12.830				ND	
* 49 1,4-Difluorobenzene	114	13.039	13.033	0.006	94	430780	10.0	
51 Trichloroethene	95		13.461				ND	
53 1,2-Dichloropropane	63		13.916				ND	
54 Methyl methacrylate	69		14.012				ND	
55 1,4-Dioxane	88		14.055				ND	
57 Dibromomethane	174		14.071				ND	
58 Dichlorobromomethane	83		14.382				ND	
59 cis-1,3-Dichloropropene	75		15.184				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.452				ND	
62 Toluene	92		15.826				ND	
66 trans-1,3-Dichloropropene	75		16.238				ND	
67 1,1,2-Trichloroethane	83		16.612				ND	
68 Tetrachloroethene	166		16.816				ND	
69 2-Hexanone	43		17.030				ND	
70 Chlorodibromomethane	129		17.351				ND	
71 Ethylene Dibromide	107		17.586				ND	
* 73 Chlorobenzene-d5	117	18.501	18.496	0.005	86	340311	10.0	
74 Chlorobenzene	112		18.554				ND	
75 Ethylbenzene	91		18.752				ND	
76 m-Xylene & p-Xylene	106		19.020				ND	
78 o-Xylene	106		19.785				ND	
79 Styrene	104		19.822				ND	
S 80 Xylenes, Total	106		20.100				ND	7
81 Bromoform	173		20.181				ND	
82 Isopropylbenzene	105		20.518				ND	
83 1,1,2,2-Tetrachloroethane	83		21.047				ND	
85 N-Propylbenzene	91		21.256				ND	7
86 2-Chlorotoluene	91		21.400				ND	7
87 4-Ethyltoluene	105		21.459				ND	
88 1,3,5-Trimethylbenzene	105		21.556				ND	
91 tert-Butylbenzene	119		22.048				ND	
92 1,2,4-Trimethylbenzene	105		22.139				ND	
93 sec-Butylbenzene	105		22.379				ND	
94 1,3-Dichlorobenzene	146		22.551				ND	7
95 4-Isopropyltoluene	119		22.599				ND	
96 1,4-Dichlorobenzene	146		22.695				ND	7
97 Benzyl chloride	91		22.845				ND	7
98 n-Butylbenzene	91		23.155				ND	7
99 1,2-Dichlorobenzene	146		23.177				ND	7
102 1,2,4-Trichlorobenzene	180		25.557				ND	
103 Hexachlorobutadiene	225		25.798				ND	
104 Naphthalene	128		26.012				ND	7

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

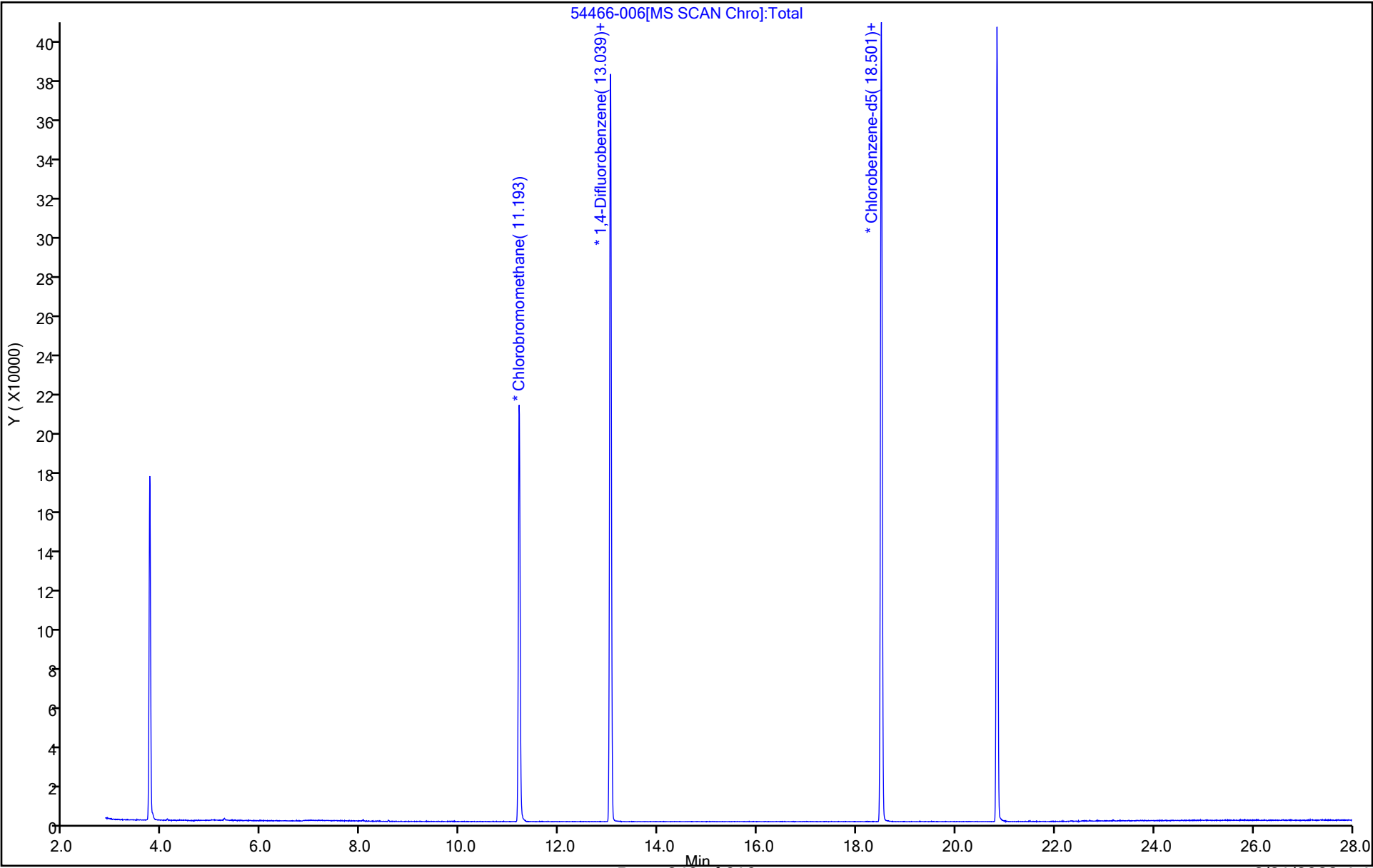
[Reagents:](#)

ATTO15WISs_00010

Amount Added: 20.00

Units: mL

Run Reagent



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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66988-1</u>
SDG No.: _____	
Client Sample ID: <u>4951</u>	Lab Sample ID: <u>200-66988-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54507-006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>02/24/2023 00:00</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/26/2023 14:52</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>188869</u>	Units: <u>ppb v/v</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	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66988-1</u>
SDG No.: _____	
Client Sample ID: <u>4951</u>	Lab Sample ID: <u>200-66988-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54507-006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>02/24/2023 00:00</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/26/2023 14:52</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>188869</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
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	0.20	U	0.20	0.20
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
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-66988-1</u>
SDG No.: _____	
Client Sample ID: <u>4951</u>	Lab Sample ID: <u>200-66988-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>200-54507-006.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>02/24/2023 00:00</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/26/2023 14:52</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>188869</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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\CHG.i\20230226-54507.b\200-54507-006.D
 Lims ID: 200-66988-A-7
 Client ID: 4951
 Sample Type: Client
 Inject. Date: 26-Feb-2023 14:52:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0054507-006
 Misc. Info.: 66988-7
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Feb-2023 07:21:03 Calib Date: 23-Feb-2023 07:28:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20230222-54458.b\200-54458-021.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1616

First Level Reviewer: BKZ7

Date: 27-Feb-2023 07:21:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.110				ND	7
2 Dichlorodifluoromethane	85		3.169				ND	
3 Chlorodifluoromethane	51		3.190				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.388				ND	
5 Chloromethane	50		3.468				ND	7
6 Vinyl chloride	62		3.672				ND	
7 Butane	43		3.672				ND	7
8 Butadiene	54		3.747				ND	7
9 Bromomethane	94		4.244				ND	
10 Chloroethane	64		4.437				ND	
12 Vinyl bromide	106		4.758				ND	
13 Trichlorofluoromethane	101		4.891				ND	
15 Ethanol	45		5.175				ND	7
18 1,1-Dichloroethene	96		5.785				ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.817				ND	
19 Acetone	43		5.849				ND	7
22 Isopropyl alcohol	45		6.106				ND	7
23 Carbon disulfide	76		6.165				ND	
25 3-Chloro-1-propene	41		6.416				ND	7
26 Methylene Chloride	49		6.630				ND	7
27 2-Methyl-2-propanol	59		6.839				ND	
29 trans-1,2-Dichloroethene	61		7.117				ND	
30 Methyl tert-butyl ether	73		7.138				ND	7
31 Hexane	57		7.625				ND	7
32 1,1-Dichloroethane	63		7.860				ND	
33 Vinyl acetate	43		7.871				ND	7
34 2-Butanone (MEK)	72		8.834				ND	
35 cis-1,2-Dichloroethene	96		8.845				ND	
36 Ethyl acetate	88		8.920				ND	
* 37 Chlorobromomethane	128	9.262	9.257	0.005	92	153108	10.0	
38 Tetrahydrofuran	42		9.337				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Chloroform	83		9.444				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.770				ND	
41 Cyclohexane	84		9.925				ND	
42 Carbon tetrachloride	117		10.070				ND	
44 Benzene	78		10.434				ND	MU
45 1,2-Dichloroethane	62		10.509				ND	
46 Isooctane	57		10.696				ND	
47 n-Heptane	43		11.038				ND	7
* 48 1,4-Difluorobenzene	114	11.252	11.252	0.000	98	801996	10.0	
50 Trichloroethene	95		11.734				ND	
51 1,2-Dichloropropane	63		12.242				ND	
54 Methyl methacrylate	69		12.370				ND	
53 Dibromomethane	174		12.413				ND	7
55 1,4-Dioxane	88		12.413				ND	
56 Dichlorobromomethane	83		12.755				ND	
58 cis-1,3-Dichloropropene	75		13.649				ND	
59 4-Methyl-2-pentanone (MIBK)	43		13.970				ND	7
60 Toluene	92		14.350				ND	MU
65 trans-1,3-Dichloropropene	75		14.799				ND	7
66 1,1,2-Trichloroethane	83		15.200				ND	
67 Tetrachloroethene	166		15.420				ND	
68 2-Hexanone	43		15.682				ND	7
69 Chlorodibromomethane	129		15.981				ND	
70 Ethylene Dibromide	107		16.233				ND	
* 71 Chlorobenzene-d5	117	17.212	17.212	0.000	98	555056	10.0	
72 Chlorobenzene	112		17.276				ND	
73 Ethylbenzene	91	17.495	17.495	0.005	88	1627	0.0232	
74 m-Xylene & p-Xylene	106		17.768				ND	
76 o-Xylene	106		18.581				ND	MU
77 Styrene	104		18.619				ND	
78 Bromoform	173		18.977				ND	
79 Isopropylbenzene	105		19.346				ND	
S 82 Xylenes, Total	106		19.600				ND	7
80 1,1,2,2-Tetrachloroethane	83		19.892				ND	7
83 N-Propylbenzene	91		20.117				ND	
84 2-Chlorotoluene	91		20.261				ND	
85 4-Ethyltoluene	105		20.325				ND	
86 1,3,5-Trimethylbenzene	105		20.427				ND	
89 tert-Butylbenzene	119		20.930				ND	
90 1,2,4-Trimethylbenzene	105		21.021				ND	
91 sec-Butylbenzene	105		21.267				ND	7
92 1,3-Dichlorobenzene	146		21.438				ND	7
93 4-Isopropyltoluene	119		21.497				ND	7
94 1,4-Dichlorobenzene	146		21.588				ND	7
95 Benzyl chloride	91		21.738				ND	7
97 n-Butylbenzene	91		22.064				ND	
96 1,2-Dichlorobenzene	146		22.080				ND	
100 1,2,4-Trichlorobenzene	180		24.541				ND	
101 Hexachlorobutadiene	225		24.792				ND	
102 Naphthalene	128		25.012				ND	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

[Reagents:](#)

ATTO15GIS_00019

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 27-Feb-2023 07:21:04

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\200-54507-006.D

Injection Date: 26-Feb-2023 14:52:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-66988-A-7

Lab Sample ID: 200-66988-7

Worklist Smp#: 6

Client ID: 4951

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

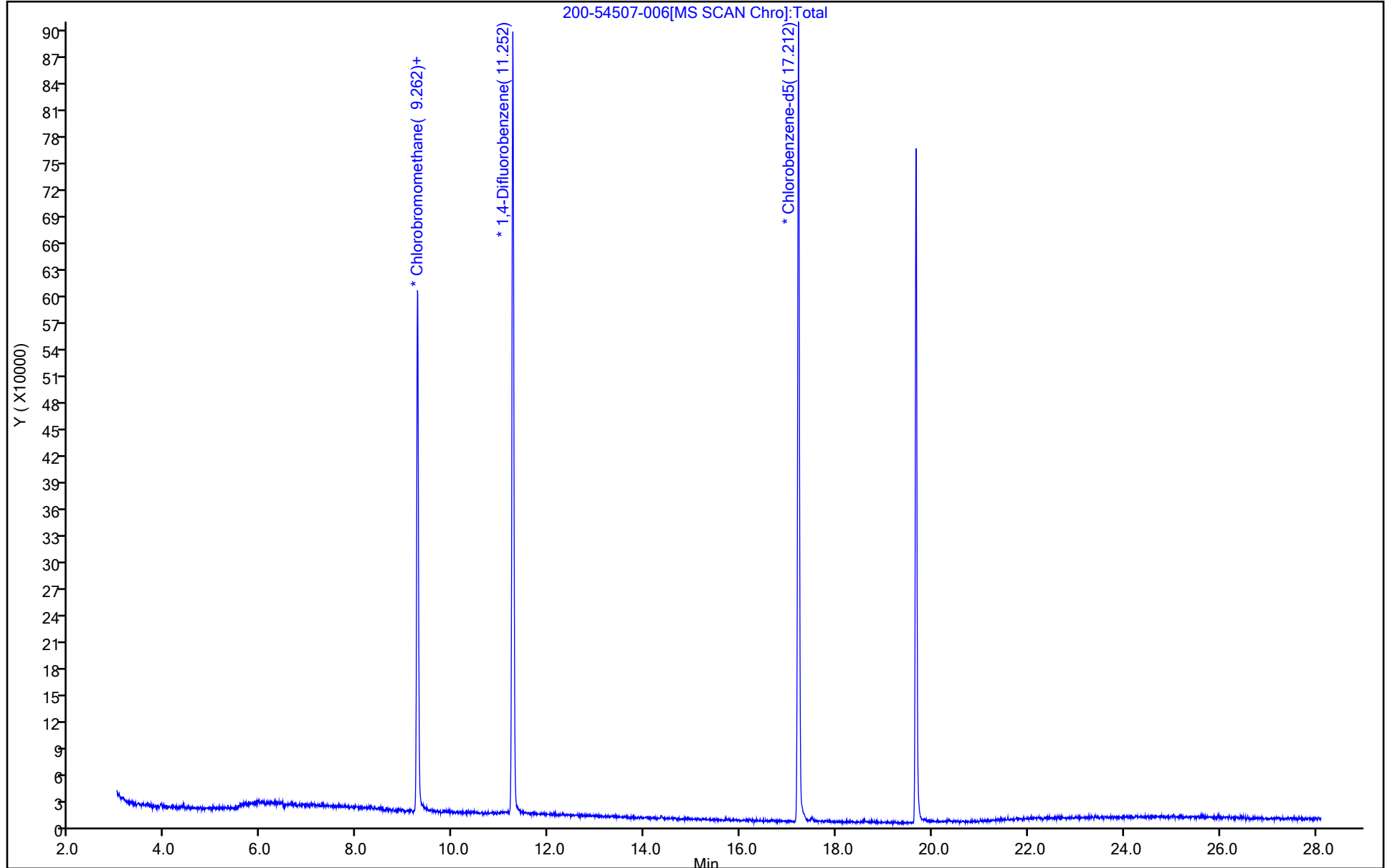
ALS Bottle#: 5

Method: TO15_MasterMethod_(v1)_G

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\CHG.i\20230226-54507.b\200-54507-006.D

Injection Date: 26-Feb-2023 14:52:30

Instrument ID: CHG.i

Lims ID: 200-66988-A-7

Lab Sample ID: 200-66988-7

Client ID: 4951

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

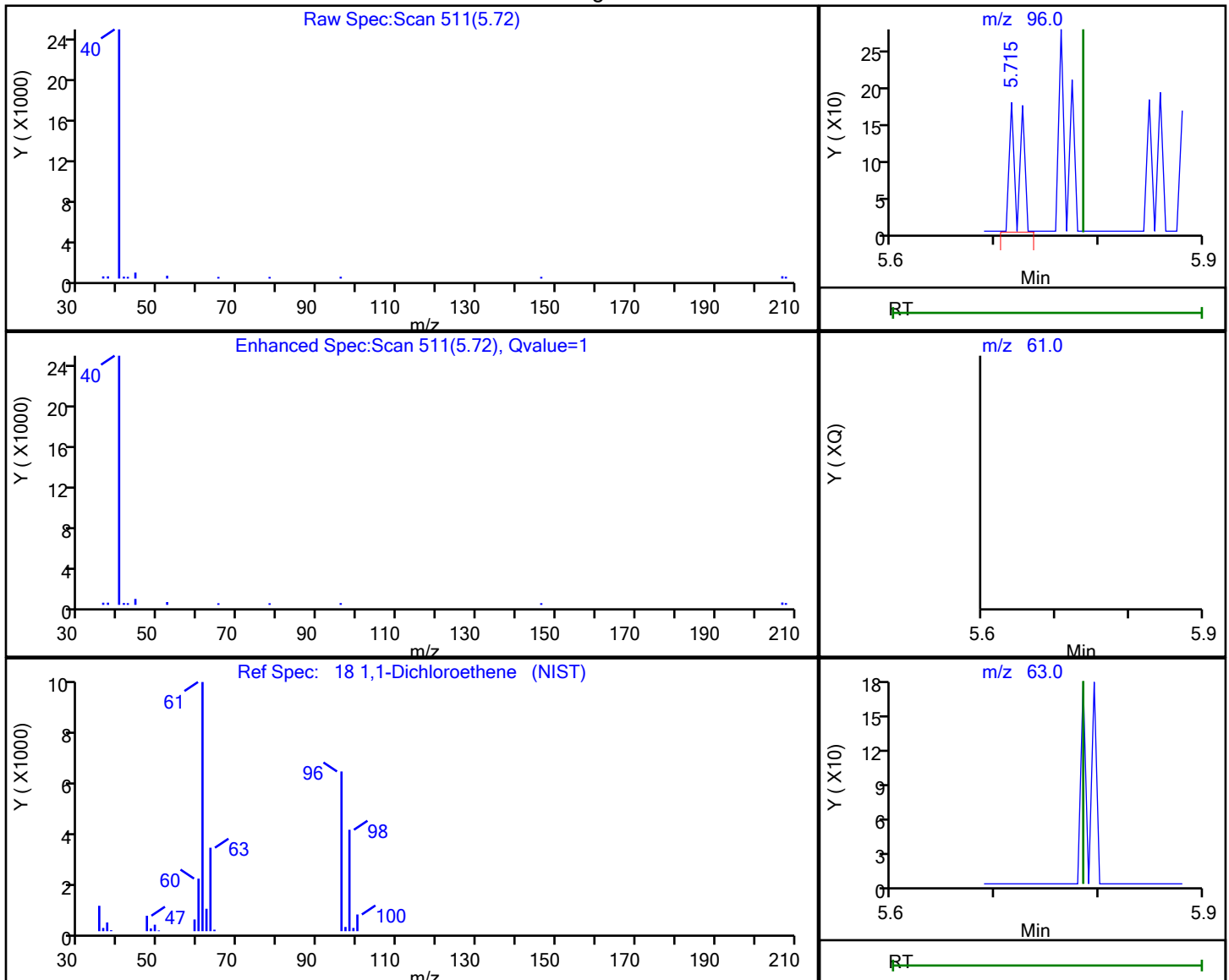
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

18 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.72	96.00	112	0.005781
5.78	61.00	0	
5.78	63.00	0	

Reviewer: BKZ7, 27-Feb-2023 07:20:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\200-54507-006.D

Injection Date: 26-Feb-2023 14:52:30

Instrument ID: CHG.i

Lims ID: 200-66988-A-7

Lab Sample ID: 200-66988-7

Client ID: 4951

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

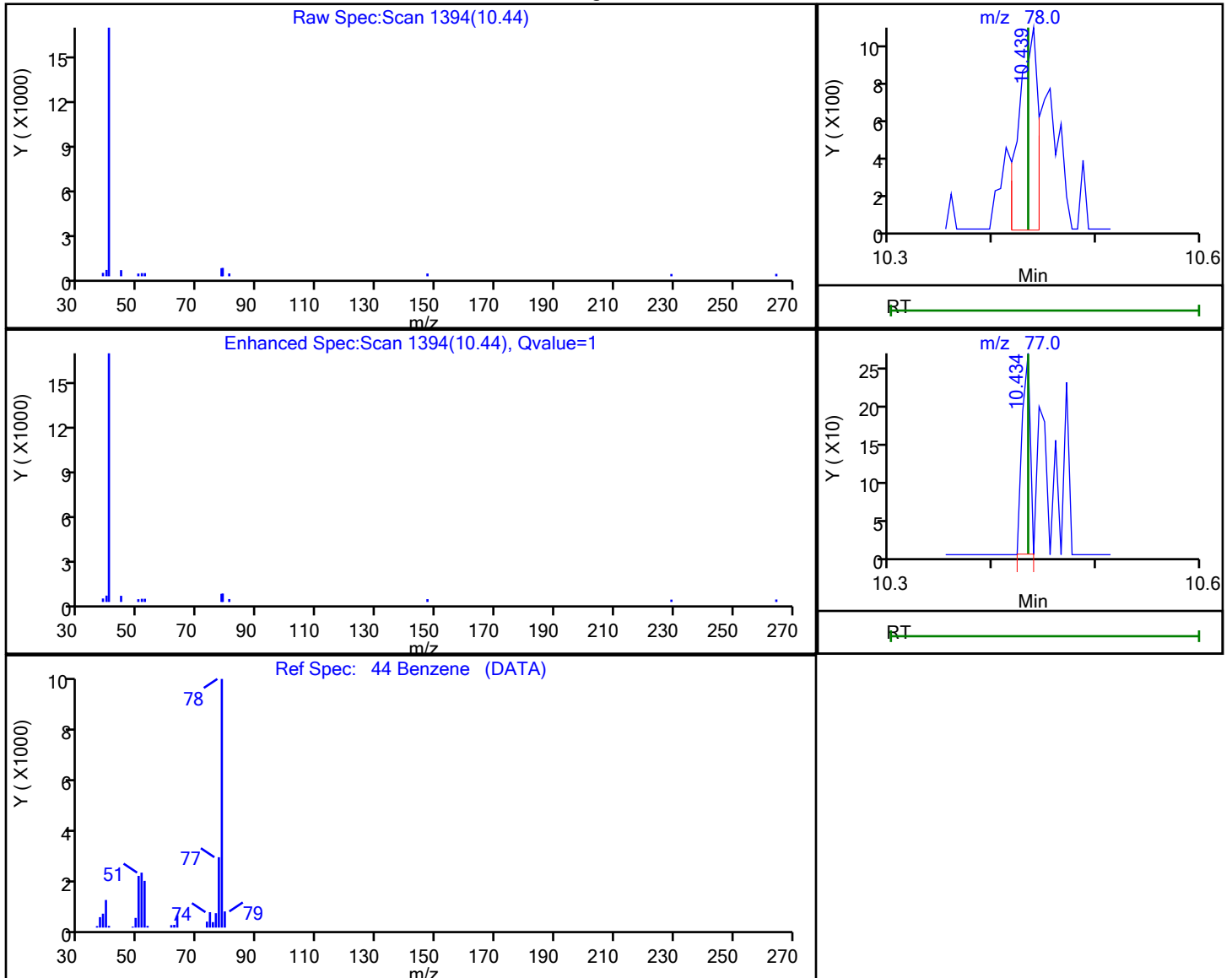
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
10.44	78.00	1346	0.023780
10.43	77.00	145	

Reviewer: BKZ7, 27-Feb-2023 07:20:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\200-54507-006.D

Injection Date: 26-Feb-2023 14:52:30

Instrument ID: CHG.i

Lims ID: 200-66988-A-7

Lab Sample ID: 200-66988-7

Client ID: 4951

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

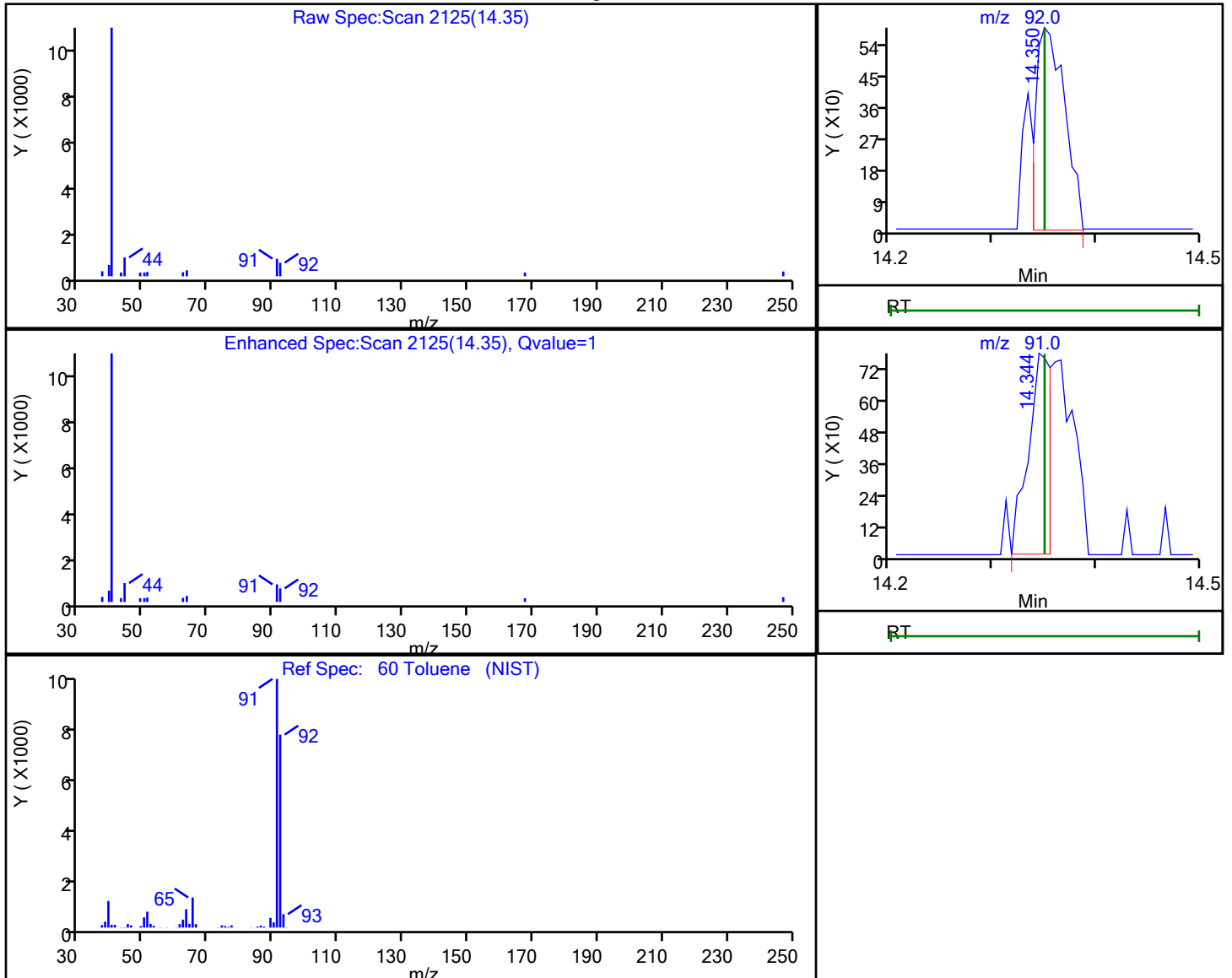
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

60 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
14.35	92.00	1125	0.037955
14.34	91.00	1167	

Reviewer: BKZ7, 27-Feb-2023 07:20:41

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20230226-54507.b\200-54507-006.D

Injection Date: 26-Feb-2023 14:52:30

Instrument ID: CHG.i

Lims ID: 200-66988-A-7

Lab Sample ID: 200-66988-7

Client ID: 4951

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

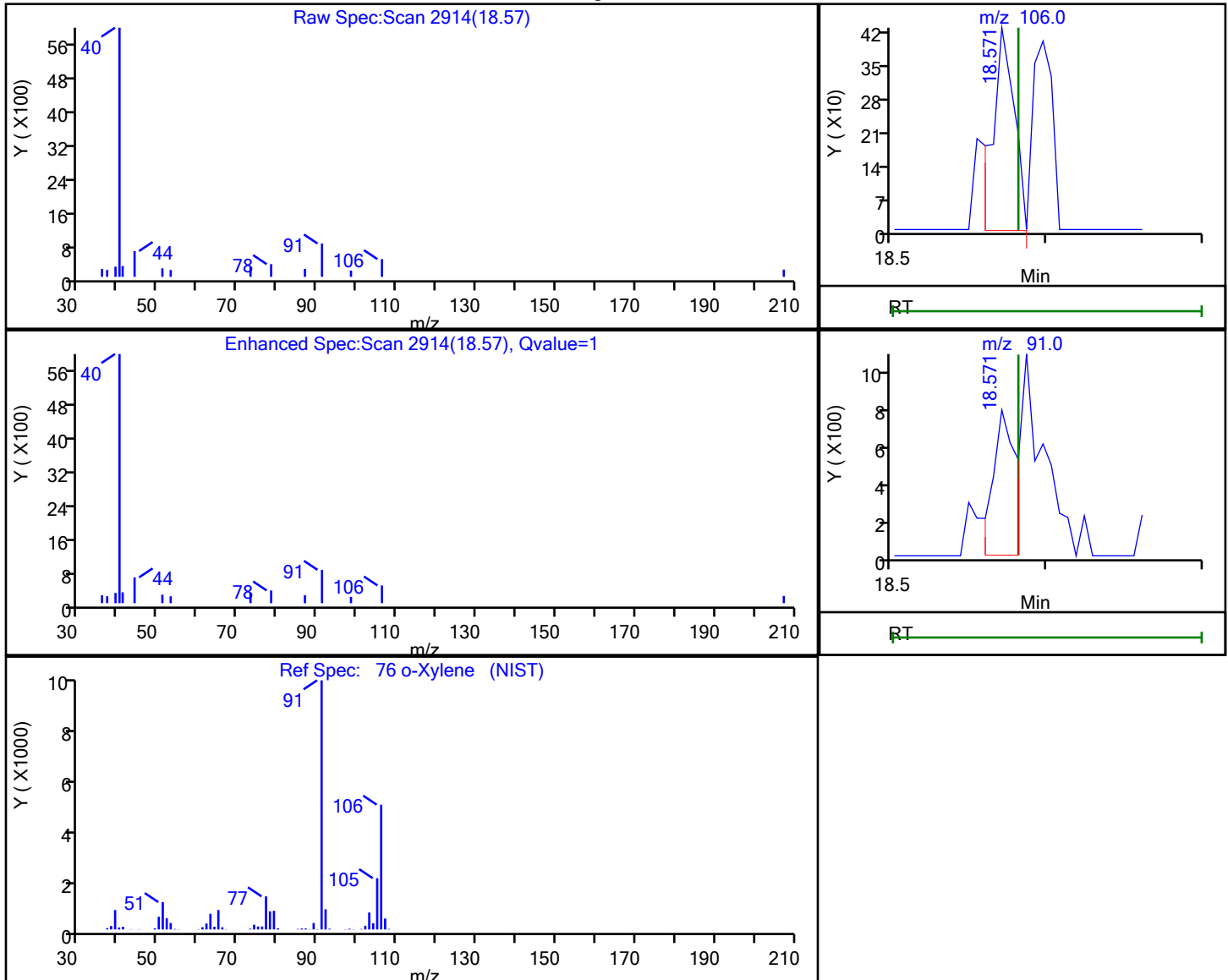
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 o-Xylene, CAS: 95-47-6

Processing Results



RT	Mass	Response	Amount
18.57	106.00	413	0.018041
18.57	91.00	826	

Reviewer: BKZ7, 27-Feb-2023 07:20:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-188264/4	200-54269-004.D
Level 2	IC 200-188264/5	200-54269-005.D
Level 3	IC 200-188264/6	200-54269-006.D
Level 4	IC 200-188264/7	200-54269-007.D
Level 5	ICIS 200-188264/8	200-54269-008.D
Level 6	IC 200-188264/12	200-54269-012.D
Level 7	IC 200-188264/9	200-54269-009.D
Level 8	IC 200-188264/13	200-54269-013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Propylene	++++ 0.9933	++++ 0.9875	++++ 0.7265	0.8069	0.9561	Ave		0.894 1				13.5		30.0			
Dichlorodifluoromethane	++++ 4.5249	++++ 4.4453	5.1902 3.4252	3.6294	4.2533	Ave		4.244 7				15.1		30.0			
Freon 22	++++ 2.4898	++++ 2.3599	2.8426 1.8268	1.9541	2.2752	Ave		2.291 4				16.1		30.0			
1,2-Dichlorotetrafluoroethane	++++ 3.5459	3.4257 3.4410	4.1957 2.6741	2.9061	3.3203	Ave		3.358 4				14.5		30.0			
Chloromethane	++++ 0.9494	++++ 0.9265	1.2269 0.7075	0.8083	0.9088	Ave		0.921 2				19.0		30.0			
n-Butane	++++ 1.3818	++++ 1.3814	1.7709 1.0288	1.1834	1.3796	Ave		1.354 3				18.4		30.0			
Vinyl chloride	1.9595 1.0608	0.9638 1.0427	1.3426 0.7969	0.8618	1.0219	Ave		1.131 2				32.9	*	30.0			
1,3-Butadiene	1.0381 0.7164	0.6531 0.7116	0.8744 0.5418	0.5789	0.6850	Ave		0.724 9				22.3		30.0			
Bromomethane	++++ 1.0975	1.1400 1.1064	1.4417 0.8758	0.9750	1.0954	Ave		1.104 5				15.9		30.0			
Chloroethane	++++ 0.3698	++++ 0.3851	0.5207 0.2962	0.3605	0.3928	Ave		0.387 5				19.0		30.0			
Isopentane	++++ 0.8788	1.1187 0.9393	1.2623 0.6915	0.8779	0.9697	Ave		0.962 6				19.1		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.0828	1.0434 1.0880	1.2958 0.8476	0.9306	1.0689	Ave		1.051 0				13.4		30.0			
Trichlorofluoromethane	++++ 3.7647	3.9373 3.8400	4.8361 2.9767	3.3198	3.7863	Ave		3.780 1				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.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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	+++++ 1.1926	+++++ 1.3516	1.7163 0.9658	1.2583	1.4255	Ave		1.318 3				19.0		30.0			
Ethanol	+++++ 0.3448	+++++ 0.4104	0.4366 0.2921	0.3512	0.4135	Ave		0.374 7				14.6		30.0			
Ethyl ether	+++++ 0.4388	0.5044 0.4759	0.7030 0.3576	0.4335	0.5078	Ave		0.488 7				22.0		30.0			
Acrolein	+++++ 0.2375	+++++ 0.2723	+++++ 0.2021	0.2254	0.2762	Ave		0.242 7				13.0		30.0			
1,1-Dichloroethene	1.6251 0.9172	0.9680 0.9428	1.2766 0.7230	0.7998	0.9848	Ave		1.029 7				28.2		30.0			
Freon TF	+++++ 2.3086	2.5529 2.3738	3.0711 1.8371	2.0820	2.4370	Ave		2.380 4				16.3		30.0			
Acetone	+++++ 1.2737	+++++ 1.5276	+++++ 1.1315	1.3433	1.6115	Ave		1.377 5				14.0		30.0			
Isopropyl alcohol	+++++ 1.2777	+++++ 1.5130	+++++ 1.1101	1.4371	1.6716	Ave		1.401 9				15.4		30.0			
Carbon disulfide	+++++ 2.6169	+++++ 2.7910	3.6848 2.1087	2.4602	2.9410	Ave		2.767 1				19.3		30.0			
Acetonitrile	+++++ 0.4183	+++++ 0.4987	+++++ 0.3552	0.4598	0.5558	Ave		0.457 5				16.7		30.0			
3-Chloropropene	+++++ 1.1224	1.3831 1.2453	1.6800 0.9149	1.1322	1.3133	Ave		1.255 9				19.2		30.0			
Methylene Chloride	+++++ 1.1156	+++++ 1.2443	1.8155 0.9210	1.1990	1.3544	Ave		1.275 0				23.7		30.0			
tert-Butyl alcohol	+++++ 1.6931	+++++ 1.9092	+++++ 1.4358	1.6543	1.9570	Ave		1.729 9				12.2		30.0			
Acrylonitrile	+++++ 0.4319	+++++ 0.5012	0.6423 0.3630	0.4332	0.5335	Ave		0.484 2				20.2		30.0			
trans-1,2-Dichloroethene	2.3164 1.5442	1.7582 1.6502	2.0972 1.2524	1.4690	1.7261	Ave		1.726 7				19.8		30.0			
Methyl tert-butyl ether	+++++ 2.4006	2.6384 2.5695	3.3867 2.0004	2.1192	2.6794	Ave		2.542 0				17.8		30.0			
n-Hexane	+++++ 1.0834	1.2172 1.1781	1.4553 0.8904	1.0474	1.2477	Ave		1.159 9				15.3		30.0			
1,1-Dichloroethane	2.1178 1.7952	1.8386 1.8968	2.5212 1.4393	1.7455	1.9829	Ave		1.917 2				16.4		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.: 200-66780-1 Analy Batch No.: 188264
SDG No.: _____
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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	++++ 2.0532	++++ 2.3323	++++ 1.7014	2.0300	2.4431	Ave		2.112 0				13.7		30.0			
Methyl Ethyl Ketone	++++ 0.3201	++++ 0.3772	0.5055 0.2879	0.3059	0.3741	Ave		0.361 8				21.9		30.0			
cis-1,2-Dichloroethene	1.6329 1.0136	1.0564 1.0571	1.3572 0.8242	0.9054	1.0434	Ave		1.111 3				23.5		30.0			
Ethyl acetate	++++ 0.0476	++++ 0.0543	++++ 0.0418	0.0408	0.0538	Ave		0.047 7				13.4		30.0			
Tetrahydrofuran	++++ 0.1336	++++ 0.1778	++++ 0.1176	0.1547	0.1726	Ave		0.151 3				16.9		30.0			
Chloroform	++++ 2.7944	3.0961 2.9218	3.9709 2.2518	2.6331	2.9950	Ave		2.951 9				17.9		30.0			
1,1,1-Trichloroethane	++++ 0.5479	0.5994 0.6375	0.7506 0.4590	0.5233	0.5742	Ave		0.584 6				15.9		30.0			
Cyclohexane	++++ 0.2034	0.2268 0.2467	0.2822 0.1749	0.2063	0.2260	Ave		0.223 7				15.3		30.0			
Carbon tetrachloride	0.5002 0.6132	0.5359 0.7037	0.6973 0.5293	0.5396	0.6305	Ave		0.593 7				13.3		30.0			
Benzene	++++ 0.5816	0.7249 0.6338	0.8736 0.4467	0.5507	0.6390	Ave		0.635 8				21.3		30.0			
1,2-Dichloroethane	++++ 0.3886	0.3902 0.4245	0.5571 0.3021	0.3704	0.4104	Ave		0.406 2				19.0		30.0			
2,2,4-Trimethylpentane	++++ 0.8365	0.8780 1.0514	1.1228 0.7282	0.8665	0.9822	Ave		0.923 6				14.7		30.0			
n-Heptane	++++ 0.3292	0.3470 0.4257	0.4240 0.2933	0.3530	0.4038	Ave		0.368 0				13.8		30.0			
n-Butanol	++++ 0.1167	++++ 0.1613	++++ 0.1164	0.1365	0.1469	Ave		0.135 6				14.4		30.0			
Trichloroethene	0.6485 0.3574	0.3989 0.4260	0.4798 0.3140	0.3353	0.3830	Ave		0.417 9				25.6		30.0			
1,2-Dichloropropane	++++ 0.2431	0.2723 0.2683	0.3662 0.1842	0.2340	0.2629	Ave		0.261 6				21.1		30.0			
Methyl methacrylate	++++ 0.1764	++++ 0.2271	0.2464 0.1618	0.1644	0.2149	Ave		0.198 5				18.0		30.0			
Dibromomethane	++++ 0.3556	0.3487 0.3913	0.4432 0.2992	0.2994	0.3378	Ave		0.353 6				14.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	++++ 0.1163	0.1272 0.1436	0.1610 0.1025	0.1231	0.1414	Ave		0.130 7				14.9		30.0			
Bromodichloromethane	++++ 0.6480	0.6486 0.7415	0.8387 0.5375	0.6226	0.6799	Ave		0.673 8				14.1		30.0			
cis-1,3-Dichloropropene	++++ 0.4571	0.4461 0.5039	0.6369 0.3616	0.4037	0.4686	Ave		0.468 3				18.7		30.0			
methyl isobutyl ketone	++++ 0.4286	++++ 0.5620	0.6544 0.4059	0.4362	0.5301	Ave		0.502 9				19.2		30.0			
Toluene	++++ 0.5308	0.5850 0.5033	0.6802 0.4025	0.4490	0.5273	Ave		0.525 4				17.2		30.0			
n-Octane	++++ 0.4890	0.4705 0.5688	0.6156 0.4096	0.4776	0.5469	Ave		0.511 1				13.6		30.0			
trans-1,3-Dichloropropene	++++ 0.4189	0.3969 0.4811	0.5146 0.3553	0.3738	0.4345	Ave		0.425 0				13.4		30.0			
1,1,2-Trichloroethane	++++ 0.2829	0.2939 0.2833	0.4224 0.2225	0.2687	0.3052	Ave		0.297 0				20.6		30.0			
Tetrachloroethene	0.7473 0.5212	0.5319 0.5179	0.6420 0.4355	0.4307	0.4979	Ave		0.540 5				19.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.4711	++++ 0.5519	0.7013 0.4331	0.4772	0.5668	Ave		0.533 6				18.1		30.0			
Dibromochloromethane	++++ 0.7937	0.6533 0.7569	0.8526 0.6065	0.6248	0.7084	Ave		0.713 7				12.9		30.0			
1,2-Dibromoethane	++++ 0.5892	0.5560 0.5782	0.6984 0.4540	0.4985	0.5664	Ave		0.562 9				13.6		30.0			
Chlorobenzene	++++ 0.7721	0.7748 0.7424	0.9565 0.5880	0.6209	0.7265	Ave		0.740 2				16.2		30.0			
Ethylbenzene	++++ 1.0908	1.3728 1.1411	1.5035 0.9003	0.9758	1.1444	Ave		1.161 2				18.3		30.0			
m,p-Xylene	++++ 0.4028	0.3804 0.4259	0.4843 0.3362	0.3435	0.4104	Ave		0.397 7				12.8		30.0			
n-Nonane	++++ 0.4535	0.4015 0.4894	0.5398 0.4014	0.4280	0.4925	Ave		0.458 0				11.3		30.0			
Xylene, o-	++++ 0.3875	0.4799 0.4001	0.5231 0.3299	0.3321	0.3989	Ave		0.407 4				17.6		30.0			
Styrene	++++ 0.6234	0.4551 0.6606	0.6648 0.5460	0.4934	0.6327	Ave		0.582 3				14.5		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.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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	++++ 0.8312	0.5746 0.7769	0.7253 0.6523	0.5995	0.6805	Ave		0.691 5				13.4		30.0			
Cumene	++++ 1.1287	1.0639 1.1647	1.4029 0.9803	0.9546	1.1481	Ave		1.120 5				13.3		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.6580	0.7274 0.7106	0.9786 0.5592	0.6293	0.7386	Ave		0.714 5				18.5		30.0			
1,2,3-Trichloropropane	++++ 0.5586	++++ 0.5965	0.8265 0.4724	0.5285	0.6210	Ave		0.600 6				20.4		30.0			
n-Propylbenzene	++++ 1.3015	1.3039 1.3935	1.7477 1.1848	1.1330	1.3817	Ave		1.349 4				14.8		30.0			
2-Chlorotoluene	++++ 0.9260	0.9348 0.9509	1.2060 0.8024	0.8000	0.9335	Ave		0.936 2				14.4		30.0			
4-Ethyltoluene	++++ 1.0588	0.9838 1.1334	1.2995 0.9781	0.8753	1.0812	Ave		1.058 6				12.8		30.0			
1,3,5-Trimethylbenzene	++++ 0.9012	0.8459 0.9679	1.1419 0.8467	0.7306	0.9210	Ave		0.907 9				14.0		30.0			
n-Decane	++++ 0.4678	++++ 0.5419	0.5124 0.4932	0.3742	0.5005	Ave		0.481 7				12.0		30.0			
Alpha Methyl Styrene	++++ 0.4566	0.3197 0.4935	0.4593 0.4327	0.3273	0.4432	Ave		0.418 9				16.2		30.0			
tert-Butylbenzene	++++ 0.8332	0.8575 0.8894	1.0511 0.7917	0.6487	0.8210	Ave		0.841 8				14.3		30.0			
1,2,4-Trimethylbenzene	++++ 0.9242	0.9370 1.0005	1.1702 0.8813	0.7260	0.9347	Ave		0.939 1				14.2		30.0			
sec-Butylbenzene	++++ 1.2395	1.2234 1.3652	1.5649 1.2209	0.9677	1.2354	Ave		1.259 6				14.3		30.0			
1,3-Dichlorobenzene	++++ 0.6998	0.6962 0.7355	0.8322 0.6484	0.5513	0.6849	Ave		0.692 6				12.3		30.0			
4-Isopropyltoluene	++++ 1.0148	0.9040 1.1118	1.1825 1.0198	0.7264	1.0157	Ave		0.996 4				14.8		30.0			
1,4-Dichlorobenzene	++++ 0.7098	0.7072 0.7498	0.8101 0.6615	0.5495	0.6957	Ave		0.697 7				11.5		30.0			
Benzyl chloride	++++ 1.0258	0.7541 1.1144	1.1802 0.9477	0.7709	1.0299	Ave		0.974 7				16.7		30.0			
n-Butylbenzene	++++ 0.9436	0.9055 1.0887	1.1313 0.9957	0.7081	0.9600	Ave		0.961 8				14.3		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.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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	+++++ 0.6808	0.6909 0.7253	0.8132 0.6274	0.5496	0.6894	Ave		0.682 4				11.9		30.0			
n-Undecane	+++++ 0.4371	+++++ 0.5395	+++++ 0.5331	0.2444	0.4230	Ave		0.435 4				27.4		30.0			
n-Dodecane	+++++ 0.2838	+++++ 0.3604	+++++ 0.3721	0.1919	0.2878	Ave		0.299 2				24.2		30.0			
1,2,4-Trichlorobenzene	+++++ 0.4550	+++++ 0.5298	0.4915 0.4999	0.2720	0.4147	Ave		0.443 8				21.0		30.0			
Hexachlorobutadiene	+++++ 0.4345	0.4208 0.5172	0.5330 0.4906	0.2726	0.3931	Ave		0.437 4				20.4		30.0			
Naphthalene	+++++ 0.9462	+++++ 1.0703	1.0688 0.9914	0.5776	0.9307	Ave		0.930 8				19.6		30.0			
1,2,3-Trichlorobenzene	+++++ 0.3391	+++++ 0.3901	0.3712 0.3690	0.1928	0.3071	Ave		0.328 2				22.1		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-188264/4	200-54269-004.D
Level 2	IC 200-188264/5	200-54269-005.D
Level 3	IC 200-188264/6	200-54269-006.D
Level 4	IC 200-188264/7	200-54269-007.D
Level 5	ICIS 200-188264/8	200-54269-008.D
Level 6	IC 200-188264/12	200-54269-012.D
Level 7	IC 200-188264/9	200-54269-009.D
Level 8	IC 200-188264/13	200-54269-013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 382637	++++ 484170	++++ 763333	115067	268169	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1743107	++++ 2179520	++++ 3598959	517552	1192988	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Freon 22	BCM	Ave	++++ 959147	++++ 1157081	++++ 1919449	278656	638164	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1365983	++++ 1687149	++++ 2809751	414418	931297	++++ 15.0	++++ 0.200	++++ 0.500	4.99	10.00
Chloromethane	BCM	Ave	++++ 365724	++++ 454288	++++ 743434	115270	254897	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
n-Butane	BCM	Ave	++++ 532299	++++ 677322	++++ 1080992	168754	386957	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Vinyl chloride	BCM	Ave	1746 408637	5245 511238	18030 837380	122887	286622	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	925 275992	3554 348903	11742 569288	82554	192137	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 422784	++++ 542481	++++ 920238	139037	307231	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Chloroethane	BCM	Ave	++++ 142475	++++ 188828	++++ 311210	51412	110180	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Isopentane	BCM	Ave	++++ 338530	++++ 460530	++++ 726552	125193	271983	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 417120	++++ 533467	++++ 890639	132700	299817	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1450256	++++ 1882737	++++ 3127751	473406	1062002	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
n-Pentane	BCM	Ave	++++ 459439	++++ 662672	++++ 1014848	179432	399822	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Ethanol	BCM	Ave	++++ 177467	++++ 402528	++++ 767184	100223	174027	++++ 20.0	++++ 40.0	++++ 5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66780-1 Analy Batch No.: 188264
SDG No.: _____
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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	++++ 169029	2745 233356	9441 375710	61820	142423	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 91474	++++ 133518	++++ 212358	32136	77477	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	1448 353334	5268 462251	17144 759633	114046	276228	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 889339	13893 1163859	41242 1930344	296889	683545	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 490666	++++ 748969	++++ 1188936	191552	451989	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 492198	++++ 741815	++++ 1166383	204935	468856	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1008108	++++ 1368449	49483 2215643	350828	824900	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 161123	++++ 244491	++++ 373168	65568	155907	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 432376	7527 610584	22561 961346	161459	368365	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 429756	++++ 610057	24381 967766	170973	379902	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 652219	++++ 936075	++++ 1508604	235905	548907	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 166384	++++ 245751	8626 381453	61780	149646	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	2064 594871	9568 809076	28163 1315953	209482	484153	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 924775	14358 1259819	45480 2101897	302207	751532	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 417358	6624 577602	19543 935610	149363	349961	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1887 691541	10006 930001	33857 1512324	248914	556167	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 790935	++++ 1143512	++++ 1787717	289479	685247	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 123314	++++ 184923	6788 302528	43619	104920	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	1455 390485	5749 518311	18226 866025	129107	292650	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 18318	++++ 26619	++++ 43947	5823	15090	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	++++	120066	276435	++++	++++	++++	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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
			301666	451255	696304			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 1076479	16849 1432552	53325 2366068	375478	840039	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1236815	18076 1617843	55850 2717917	406131	919394	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 459060	6839 626002	20999 1035442	160083	361798	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	2503 1384082	16161 1785984	51880 3134133	418833	1009511	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 1312889	21860 1608517	64998 2645465	427459	1023240	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 877085	11767 1077399	41451 1788899	287453	657097	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 1888185	26475 2668377	83542 4312083	672490	1572773	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 743068	10464 1080467	31551 1736624	273966	646609	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	++++ 263388	++++ 409489	++++ 689188	105942	235169	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	3245 806793	12030 1081186	35702 1859164	260263	613321	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 548695	8211 680984	27246 1090637	181599	420954	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	++++ 398170	++++ 576262	18332 958101	127574	344020	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	++++ 802774	10516 993063	32973 1771693	232389	540922	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	++++ 262548	3837 364455	11979 606917	95532	226390	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	++++ 1462643	19559 1881823	62407 3183134	483254	1088664	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 1031811	13453 1278957	47390 2141284	313306	750394	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 967518	++++ 1426432	48690 2403556	338555	848804	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZd 5	Ave	++++ 1064711	15793 1284632	44255 2271923	304356	743030	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	++++ 1103800	14187 1443472	45807 2425316	370690	875657	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++	11968	38287	290124	695783	++++	0.200	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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
			945627	1221086	2103961			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	++++	7934	27485	182161	430095	++++	0.200	0.500	4.99	10.00
			567475	723060	1256128			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	3303	14359	41772	291935	701631	0.0351	0.200	0.500	4.99	10.00
			1045437	1321820	2457862			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	++++	++++	45630	323451	798758	++++	++++	0.500	4.99	10.00
			944960	1408645	2444813			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	++++	17638	55473	423488	998326	++++	0.200	0.500	4.99	10.00
			1592073	1931871	3423080			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	++++	15011	45442	337870	798137	++++	0.200	0.500	4.99	10.00
			1181973	1475726	2562418			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	++++	20917	62233	420850	1023859	++++	0.200	0.500	4.99	10.00
			1548784	1894934	3318988			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	++++	37063	97825	661430	1612729	++++	0.200	0.500	4.99	10.00
			2188080	2912544	5081417			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	++++	20540	63028	465709	1156597	++++	0.401	1.00	9.99	20.0
			1615969	2174297	3795300			30.0	40.0	80.0		
n-Nonane	CBNZd 5	Ave	++++	10840	35121	290116	694104	++++	0.200	0.500	4.99	10.00
			909811	1249183	2265449			15.0	20.0	40.0		
Xylene, o-	CBNZd 5	Ave	++++	12957	34038	225093	562192	++++	0.200	0.500	4.99	10.00
			777236	1021153	1861831			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	++++	12287	43255	334400	891647	++++	0.200	0.500	4.99	10.00
			1250579	1686086	3081760			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	++++	15512	47194	406379	958947	++++	0.200	0.500	4.99	10.00
			1667316	1983000	3681851			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	++++	28723	91281	647063	1617947	++++	0.200	0.500	4.99	10.00
			2264165	2972711	5532965			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++	19638	63675	426552	1040902	++++	0.200	0.500	4.99	10.00
			1319919	1813861	3156084			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.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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	++++ 1120454	++++ 1522545	53778 2666378	358206	875177	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZd 5	Ave	++++ 2610786	35203 3556833	113715 6687514	767966	1947063	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZd 5	Ave	++++ 1857490	25238 2427196	78467 4529090	542267	1315581	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZd 5	Ave	++++ 2123981	26562 2892879	84555 5520874	593324	1523623	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++ 1807799	22839 2470518	74296 4778906	495191	1297935	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZd 5	Ave	++++ 938336	33338 1383183	253633 2783673	705366	705366	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZd 5	Ave	++++ 915886	8631 1259742	29885 2442522	221882	624567	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZd 5	Ave	++++ 1671423	23152 2270072	68388 4468860	439701	1157024	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++ 1853888	25298 2553695	76140 4974182	492109	1317149	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZd 5	Ave	++++ 2486486	33030 3484545	101818 6891033	655947	1740993	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZd 5	Ave	++++ 1403758	18796 1877427	54149 3659905	373687	965185	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZd 5	Ave	++++ 2035732	24406 2837755	76937 5756176	492361	1431330	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZd 5	Ave	++++ 1423929	19093 1913905	52711 3733482	372460	980401	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZd 5	Ave	++++ 2057728	20360 2844518	76789 5349386	522553	1451341	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66780-1 Analy Batch No.: 188264

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2023 17:19 Calibration End Date: 02/09/2023 01:11 Calibration ID: 49840

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	+++++	24446	73611	479986	1352801	+++++	0.200	0.500	4.99	10.00
			1892824	2778824	5620141			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	18653	52910	372496	971512	+++++	0.200	0.500	4.99	10.00
			1365709	1851351	3541195			15.0	20.0	40.0		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	165632	596146	+++++	+++++	+++++	4.99	10.00
			876831	1377131	3009185			15.0	20.0	40.0		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	130080	405513	+++++	+++++	+++++	4.99	10.00
			569214	919780	2100114			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	31981	184382	584409	+++++	+++++	0.500	4.99	10.00
			912765	1352402	2821832			15.0	20.0	40.0		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	11360	34680	184784	554025	+++++	0.200	0.500	4.99	10.00
			871591	1320134	2769198			15.0	20.0	40.0		
Naphthalene	CBNZd 5	Ave	+++++	+++++	69539	391506	1311607	+++++	+++++	0.500	4.99	10.00
			1898057	2731754	5595895			15.0	20.0	40.0		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	24149	130680	432842	+++++	+++++	0.500	4.99	10.00
			680178	995628	2082707			15.0	20.0	40.0		

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.: 200-66921-1 Analy Batch No.: 187989
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/31/2023 17:02 Calibration End Date: 02/01/2023 00:48 Calibration ID: 49811

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-187989/4	54170-004.d
Level 2	IC 200-187989/5	54170-005.d
Level 3	IC 200-187989/6	54170-006.d
Level 4	IC 200-187989/7	54170-007.d
Level 5	ICIS 200-187989/8	54170-008.d
Level 6	IC 200-187989/9	54170-009.d
Level 7	IC 200-187989/12	54170-012.d
Level 8	IC 200-187989/13	54170-013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	++++ 4.7146	++++ 4.6712	5.5040 3.5196	4.4853	4.5753	Ave		4.578 3				13.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 5.1553	6.0635 5.0855	5.8675 4.6021	4.8720	4.9858	Ave		5.233 1				10.2		30.0			
Chloromethane	++++ 1.8560	++++ 1.8345	2.1485 1.6694	1.7585	1.7961	Ave		1.843 8				8.8		30.0			
Vinyl chloride	2.2042 1.8379	2.2033 1.8495	2.1137 1.6442	1.7139	1.7823	Ave		1.918 6				11.6		30.0			
1,3-Butadiene	1.7803 1.4164	1.6420 1.4196	1.6406 1.2712	1.3256	1.3616	Ave		1.482 2				12.3		30.0			
Bromomethane	++++ 1.7906	2.0884 1.7637	2.0755 1.6133	1.6893	1.7387	Ave		1.822 8				10.2		30.0			
Chloroethane	++++ 1.0923	++++ 1.0771	1.2615 0.9782	1.0282	1.0596	Ave		1.082 8				8.9		30.0			
Vinyl bromide	++++ 1.7237	1.9168 1.6976	1.8825 1.5513	1.6045	1.6579	Ave		1.719 2				7.9		30.0			
Trichlorofluoromethane	++++ 4.1530	4.9026 4.0862	4.8568 3.7092	3.9561	4.0220	Ave		4.240 8				10.8		30.0			
Ethanol	++++ 0.8990	++++ 0.9144	0.7616 0.8061	0.7894	0.8837	Ave		0.842 4				7.6		30.0			
1,1-Dichloroethene	2.1245 1.6507	1.9551 1.6333	1.8854 1.4808	1.5643	1.6014	Ave		1.737 0				12.9		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 3.3500	3.9535 3.2829	3.9064 2.9506	3.2046	3.2641	Ave		3.416 0				10.9		30.0			
Acetone	++++ 2.3558	++++ 2.3880	++++ 2.1462	2.2057	2.3376	Ave		2.286 7				4.6		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.: 200-66921-1 Analy Batch No.: 187989

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2023 17:02 Calibration End Date: 02/01/2023 00:48 Calibration ID: 49811

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								
Isopropanol	++++ 2.8202	++++ 2.7840	++++ 2.5466	2.7794	2.7770	Ave		2.741 4				4.0		30.0			
Carbon disulfide	++++ 4.7036	++++ 4.6888	5.3309 4.2405	4.4121	4.5561	Ave		4.655 3				8.0		30.0			
Allyl chloride	++++ 2.1294	2.8340 2.1291	2.6125 1.9198	1.9864	2.0938	Ave		2.243 6				15.3		30.0			
Methylene Chloride	++++ 1.7237	++++ 1.7127	2.1436 1.5584	1.6648	1.6859	Ave		1.748 2				11.6		30.0			
tert-Butyl alcohol	++++ 3.1039	++++ 3.0953	++++ 2.8201	3.0261	3.0856	Ave		3.026 2				3.9		30.0			
1,2-Dichloroethene, trans-	2.2607 2.1765	2.4605 2.1513	2.4626 1.9386	2.0703	2.1335	Ave		2.206 8				8.3		30.0			
Methyl tert-butyl ether	++++ 4.3807	4.7778 4.3066	4.8215 3.8848	4.1360	4.2728	Ave		4.368 6				7.7		30.0			
Hexane	++++ 2.4262	2.8908 2.3935	2.7928 2.1332	2.3268	2.3991	Ave		2.480 3				10.8		30.0			
1,1-Dichloroethane	3.1393 2.6618	3.1052 2.6289	3.1057 2.3336	2.5515	2.6248	Ave		2.768 8				11.0		30.0			
Methyl ethyl ketone (MEK)	++++ 0.7717	++++ 0.8020	0.7660 0.7249	0.7320	0.7705	Ave		0.761 2				3.7		30.0			
1,2-Dichloroethene, cis-	1.6493 1.5672	1.8254 1.5683	1.7671 1.3990	1.4972	1.5500	Ave		1.602 9				8.7		30.0			
Tetrahydrofuran	++++ 0.3128	++++ 0.3152	++++ 0.2862	0.3028	0.3110	Ave		0.305 6				3.9		30.0			
Chloroform	++++ 3.0388	3.4989 3.0591	3.4761 2.7361	2.9345	3.0252	Ave		3.109 8				9.0		30.0			
1,1,1-Trichloroethane	++++ 0.5890	0.6500 0.5884	0.6751 0.5310	0.5560	0.5821	Ave		0.595 9				8.5		30.0			
Cyclohexane	++++ 0.4050	0.4639 0.4073	0.4598 0.3654	0.3863	0.4005	Ave		0.412 6				8.9		30.0			
Carbon tetrachloride	0.6241 0.6119	0.6804 0.6104	0.6797 0.5499	0.5783	0.6015	Ave		0.617 0				7.3		30.0			
Benzene	++++ 0.9326	1.1255 0.9429	1.0849 0.8403	0.8965	0.9294	Ave		0.964 6				10.6		30.0			
1,2-Dichloroethane	++++ 0.3656	0.4005 0.3679	0.4157 0.3326	0.3492	0.3627	Ave		0.370 6				7.7		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.: 200-66921-1 Analy Batch No.: 187989

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2023 17:02 Calibration End Date: 02/01/2023 00:48 Calibration ID: 49811

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								
2,2,4-Trimethylpentane	++++ 1.4861	1.7194 1.4880	1.7012 1.3184	1.4322	1.4861	Ave		1.518 8				9.5		30.0			
n-Heptane	++++ 0.5248	0.6185 0.5295	0.6075 0.4703	0.5087	0.5300	Ave		0.541 3				9.8		30.0			
Trichloroethene	0.4126 0.3967	0.4400 0.4004	0.4535 0.3570	0.3820	0.3943	Ave		0.404 6				7.6		30.0			
1,2-Dichloropropane	++++ 0.3415	0.3933 0.3418	0.3954 0.2980	0.3308	0.3424	Ave		0.349 0				9.9		30.0			
Methyl methacrylate	++++ 0.3263	++++ 0.3301	0.2987 0.3006	0.3046	0.3192	Ave		0.313 2				4.4		30.0			
1,4-Dioxane	++++ 0.1861	0.1302 0.1832	0.1809 0.1606	0.2094	0.1961	Ave		0.178 1				14.5		30.0			
Bromodichloromethane	++++ 0.6380	0.6675 0.6426	0.6781 0.5765	0.5983	0.6311	Ave		0.633 2				5.7		30.0			
1,3-Dichloropropene, cis-	++++ 0.5797	0.5866 0.5858	0.5969 0.5264	0.5435	0.5708	Ave		0.570 0				4.5		30.0			
Methyl isobutyl ketone (MIBK)	++++ 0.6648	++++ 0.6695	0.6196 0.6088	0.6135	0.6516	Ave		0.638 0				4.3		30.0			
Toluene	++++ 0.7716	0.9062 0.7808	0.8969 0.6765	0.7448	0.7730	Ave		0.792 8				10.4		30.0			
1,3-Dichloropropene, trans-	++++ 0.5019	0.4570 0.5046	0.4943 0.4582	0.4606	0.4914	Ave		0.481 1				4.5		30.0			
1,1,2-Trichloroethane	++++ 0.3757	0.3977 0.3837	0.4223 0.3322	0.3605	0.3746	Ave		0.378 1				7.5		30.0			
Tetrachloroethene	0.7036 0.6261	0.7300 0.6342	0.7295 0.5471	0.6017	0.6216	Ave		0.649 2				10.1		30.0			
2-Hexanone	++++ 0.7320	++++ 0.7585	0.5565 0.6785	0.6894	0.7212	Ave		0.689 3				10.3		30.0			
Dibromochloromethane	++++ 0.7669	0.7466 0.7768	0.7521 0.6776	0.7146	0.7544	Ave		0.741 3				4.6		30.0			
1,2-Dibromoethane	++++ 0.6602	0.6641 0.6717	0.7024 0.5906	0.6306	0.6529	Ave		0.653 2				5.4		30.0			
Chlorobenzene	++++ 1.0204	1.2080 1.0270	1.1932 0.8959	0.9868	1.0136	Ave		1.049 3				10.7		30.0			
Ethylbenzene	++++ 1.6936	1.9365 1.7077	1.9621 1.4758	1.6434	1.6931	Ave		1.730 3				9.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-66921-1 Analy Batch No.: 187989

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2023 17:02 Calibration End Date: 02/01/2023 00:48 Calibration ID: 49811

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								
m,p-Xylene	++++ 0.6497	0.7338 0.6526	0.7589 0.5589	0.6378	0.6511	Ave		0.663 2				9.9		30.0			
Xylene, o-	++++ 0.6351	0.7266 0.6340	0.7135 0.5462	0.6193	0.6309	Ave		0.643 7				9.4		30.0			
Styrene	++++ 1.0208	0.8988 1.0282	1.0028 0.9023	0.9588	1.0042	Ave		0.973 7				5.6		30.0			
Bromoform	++++ 0.7713	0.6696 0.7777	0.6602 0.6881	0.6987	0.7566	Ave		0.717 5				6.9		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9734	1.0460 0.9816	1.0603 0.8452	0.9401	0.9704	Ave		0.973 9				7.3		30.0			
2-Chlorotoluene	++++ 1.3962	1.6241 1.3931	1.6172 1.2156	1.3557	1.3880	Ave		1.427 1				10.3		30.0			
4-Ethyltoluene	++++ 1.8608	1.8846 1.8685	2.0229 1.5975	1.8013	1.8445	Ave		1.840 0				6.9		30.0			
1,3,5-Trimethylbenzene	++++ 1.5623	1.6229 1.5578	1.7572 1.3386	1.5098	1.5478	Ave		1.556 6				8.1		30.0			
1,2,4-Trimethylbenzene	++++ 1.5431	1.5773 1.5545	1.6983 1.3292	1.5066	1.5413	Ave		1.535 7				7.1		30.0			
1,3-Dichlorobenzene	++++ 0.9914	0.9488 1.0027	1.0189 0.8713	0.9383	0.9673	Ave		0.962 7				5.1		30.0			
1,4-Dichlorobenzene	++++ 0.9724	0.9174 0.9848	0.9752 0.8648	0.9028	0.9480	Ave		0.937 9				4.7		30.0			
1,2-Dichlorobenzene	++++ 0.9394	0.9893 0.9343	1.0168 0.7989	0.9084	0.9290	Ave		0.930 9				7.4		30.0			
1,2,4-Trichlorobenzene	++++ 0.5619	++++ 0.5861	0.4591 0.5466	0.4850	0.5355	Ave		0.529 0				9.1		30.0			
Hexachlorobutadiene	++++ 0.7254	0.8008 0.7439	0.7941 0.6487	0.6702	0.7138	Ave		0.728 1				7.9		30.0			
Naphthalene	++++ 1.1395	++++ 1.1864	1.1063 1.0895	1.0304	1.1095	Ave		1.110 3				4.7		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.: 200-66921-1 Analy Batch No.: 187989

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2023 17:02 Calibration End Date: 02/01/2023 00:48 Calibration ID: 49811

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-187989/4	54170-004.d
Level 2	IC 200-187989/5	54170-005.d
Level 3	IC 200-187989/6	54170-006.d
Level 4	IC 200-187989/7	54170-007.d
Level 5	ICIS 200-187989/8	54170-008.d
Level 6	IC 200-187989/9	54170-009.d
Level 7	IC 200-187989/12	54170-012.d
Level 8	IC 200-187989/13	54170-013.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	++++ 791717	++++ 1047937	30372 1558360	253170	516294	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 865722	++++ 1140882	13460 2037635	274993	562611	++++ 15.0	++++ 0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 311667	++++ 411542	11856 739154	99256	202680	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	858 308636	4891 414916	11664 727983	96742	201115	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	693 237859	3645 318472	9053 562856	74822	153643	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 300695	4636 395664	11453 714329	95351	196196	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 183425	++++ 241627	6961 433116	58037	119565	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	++++ 289456	4255 380851	10388 686870	90563	187079	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 697398	10883 916691	26801 1642292	223298	453852	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 201720	++++ 410350	42077 892301	89172	149648	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0
1,1-Dichloroethene	BCM	Ave	827 277198	4340 366418	10404 655653	88297	180706	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloro-1,2,2-trifluoroethane	BCM	Ave	++++ 562561	8776 736497	21556 1306437	180882	368333	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 395605	++++ 535732	++++ 950281	124496	263782	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropanol	BCM	Ave	++++ 473585	++++ 624565	++++ 1127560	156882	313365	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++	++++	29417	249039	514121	++++	++++	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66921-1 Analy Batch No.: 187989

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2023 17:02 Calibration End Date: 02/01/2023 00:48 Calibration ID: 49811

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
			789864	1051881	1877528			15.0	20.0	40.0		
Allyl chloride	BCM	Ave	++++ 357578	6291 477643	14416 850043	112121	236276	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 289459	11829 384217	690020	93968	190246	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 521227	++++ 694397	++++ 1248643	170805	348188	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichloroethene, trans-	BCM	Ave	880 365498	5462 482616	13589 858366	116857	240751	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 735638	10606 966144	26606 1720071	233454	482155	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	++++ 407427	6417 536969	15411 944505	131335	270727	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1222 446993	6893 589764	17138 1033226	144019	296185	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl ethyl ketone (MEK)	BCM	Ave	++++ 129585	++++ 179919	4227 320957	41315	86948	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethene, cis-	BCM	Ave	642 263171	4052 351844	9751 619413	84507	174906	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 274786	++++ 371543	++++ 664085	89931	184019	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Chloroform	BCM	Ave	++++ 510296	7767 686270	19182 1211435	165635	341376	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 517464	7732 693567	19733 1232235	165137	344449	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 355813	5518 480078	13439 847881	114743	236981	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	1301 537527	8093 719504	19865 1276095	171777	355924	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 819259	13388 1111532	31708 1950068	266274	550006	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 321222	4764 433633	12150 771859	103708	214612	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 1305553	20452 1754134	49721 3059499	425404	879400	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 461015	7357 624136	17757 1091393	151093	313615	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	860 348489	5234 472002	13255 828492	113451	233351	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 300024	4678 402887	11557 691480	98265	202606	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66921-1 Analy Batch No.: 187989

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2023 17:02 Calibration End Date: 02/01/2023 00:48 Calibration ID: 49811

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
Methyl methacrylate	DFBZ	Ave	+++++ 286671	+++++ 389158	8729 697573	90466	188893	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 163481	1549 215965	5287 372803	62210	116032	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 560502	7940 757526	19819 1337767	177714	373465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, cis-	DFBZ	Ave	+++++ 509283	6977 690569	17447 1221598	161421	337746	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl isobutyl ketone (MIBK)	DFBZ	Ave	+++++ 584025	+++++ 789213	18110 1412800	182208	385585	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZd 5	Ave	+++++ 585168	9001 782240	22024 1375020	188880	390481	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, trans-	DFBZ	Ave	+++++ 440912	5436 594792	14447 1063200	136808	290805	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++ 284956	3950 384437	10369 675254	91427	189231	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrachloroethene	CBNZd 5	Ave	1213 474804	7251 635387	17913 1112037	152592	314036	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Hexanone	CBNZd 5	Ave	+++++ 555100	+++++ 759913	13665 1379068	174830	364317	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZd 5	Ave	+++++ 581577	7415 778289	18469 1377193	181214	381121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZd 5	Ave	+++++ 500704	6596 672934	17248 1200331	159904	329804	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZd 5	Ave	+++++ 773848	11998 1028952	29301 1820943	250226	512035	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZd 5	Ave	+++++ 1284364	19234 1710930	48183 2999380	416745	855328	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZd 5	Ave	+++++ 985459	14576 1307729	37270 2271656	323470	657825	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZd 5	Ave	+++++ 481664	7217 635233	17522 1110076	157055	318725	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66921-1 Analy Batch No.: 187989

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2023 17:02 Calibration End Date: 02/01/2023 00:48 Calibration ID: 49811

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
Styrene	CBNZd 5	Ave	++++ 774180	8927 1030118	24625 1833832	243137	507303	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZd 5	Ave	++++ 584937	6651 779145	16212 1398547	177177	382225	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++ 738181	10389 983440	26038 1717745	238403	490221	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZd 5	Ave	++++ 1058884	16131 1395713	39713 2470531	343786	701186	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZd 5	Ave	++++ 1411202	18718 1872032	49674 3246840	456777	931767	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++ 1184801	16119 1560710	43150 2720601	382860	781929	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++ 1170221	15666 1557432	41703 2701596	382036	778606	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZd 5	Ave	++++ 751850	9424 1004592	25020 1770895	237929	488679	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZd 5	Ave	++++ 737444	9112 986667	23947 1757554	228935	478926	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZd 5	Ave	++++ 712448	9826 936077	24969 1623693	230364	469291	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZd 5	Ave	++++ 426120	++++ 587178	11273 1110960	122988	270524	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZd 5	Ave	++++ 550112	7954 745358	19499 1318529	169951	360593	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZd 5	Ave	++++ 864149	++++ 1188668	27166 2214333	261298	560489	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00

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.: 200-66988-1 Analy Batch No.: 188754
SDG No.: _____
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-188754/4	200-54458-004.D
Level 2	IC 200-188754/5	200-54458-005.D
Level 3	IC 200-188754/6	200-54458-006.D
Level 4	IC 200-188754/7	200-54458-007.D
Level 5	ICIS 200-188754/8	200-54458-008.D
Level 6	IC 200-188754/9	200-54458-009.D
Level 7	IC 200-188754/21	200-54458-021.D
Level 8	IC 200-188754/12	200-54458-012.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 1.4426	++++ 1.1750	++++ 1.1689	1.1647	1.0442	Ave		1.199 1				12.2		30.0			
Dichlorodifluoromethane	++++ 5.5059	++++ 4.2730	5.4204 4.3147	4.7453	4.1613	Ave		4.736 8				12.6		30.0			
Freon 22	++++ 3.3773	++++ 2.7981	3.0451 2.7340	2.7570	2.5798	Ave		2.881 9				9.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 4.6368	4.3247 3.6179	4.7116 3.5886	3.9179	3.4619	Ave		4.037 0				12.9		30.0			
Chloromethane	++++ 1.4183	++++ 1.1607	1.3539 1.1506	1.1638	1.0276	Ave		1.212 5				12.0		30.0			
Vinyl chloride	1.7823 1.4235	1.3292 1.1493	1.3943 1.1266	1.1473	1.0357	Ave		1.298 5				18.5		30.0			
n-Butane	++++ 2.1502	++++ 1.7343	2.0800 1.7137	1.7293	1.5781	Ave		1.830 9				12.5		30.0			
1,3-Butadiene	1.3259 0.9774	0.7569 0.7974	0.9075 0.7829	0.7585	0.7157	Ave		0.877 8				22.9		30.0			
Bromomethane	++++ 1.3472	1.2192 1.0281	1.2841 1.0313	1.0424	0.9952	Ave		1.135 4				12.7		30.0			
Chloroethane	++++ 0.4901	++++ 0.3953	0.4668 0.3920	0.3793	0.3564	Ave		0.413 3				12.8		30.0			
Isopentane	++++ 1.3535	1.2567 1.1244	1.2724 1.0193	1.0507	0.9375	Ave		1.144 9				13.4		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.2578	1.1518 0.9883	1.1945 0.9553	1.0222	0.8926	Ave		1.066 1				12.8		30.0			
Trichlorofluoromethane	++++ 4.5740	4.1507 3.4949	4.5873 3.4556	3.8583	3.3991	Ave		3.931 4				13.1		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.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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	++++ 2.2537	++++ 1.8172	2.2017 1.7082	1.7672	1.6556	Ave		1.900 6				13.7		30.0			
Ethanol	++++ 0.9750	++++ 0.7776	0.9022 0.7294	0.7722	0.4945	Ave		0.775 1				21.4		30.0			
Ethyl ether	++++ 0.6264	++++ 0.5839	0.6221 0.4651	0.5967	0.5330	Ave		0.562 4				10.9		30.0			
Acrolein	++++ 0.2909	++++ 0.3139	++++ 0.2389	0.2362	0.2603	Ave		0.268 0				12.6		30.0			
1,1-Dichloroethene	2.3259 1.3396	1.1678 1.0030	1.2978 0.9735	1.0612	0.9539	Ave		1.265 3				35.8	*	30.0			
Freon TF	++++ 3.1138	3.1645 2.4700	3.3518 2.3467	2.6388	2.4248	Ave		2.787 2				14.8		30.0			
Acetone	++++ 2.1927	++++ 2.0047	++++ 1.6613	1.9170	1.8724	Ave		1.929 6				10.0		30.0			
Isopropyl alcohol	++++ 2.5834	++++ 2.0632	++++ 1.9229	2.1480	1.9630	Ave		2.136 1				12.4		30.0			
Carbon disulfide	++++ 4.0153	++++ 3.2040	3.8609 3.1161	3.3552	2.9972	Ave		3.424 8				12.2		30.0			
Acetonitrile	++++ 0.7700	++++ 0.7350	++++ 0.6019	0.6329	0.6582	Ave		0.679 6				10.4		30.0			
3-Chloropropene	++++ 1.7437	1.6540 1.6500	1.6464 1.5380	1.4425	1.4305	Ave		1.586 5				7.5		30.0			
Methylene Chloride	++++ 1.9859	++++ 1.6356	2.1179 1.5341	1.6197	1.5162	Ave		1.734 9				14.6		30.0			
tert-Butyl alcohol	++++ 2.9627	++++ 2.3135	++++ 2.3180	2.3717	2.1612	Ave		2.425 4				12.8		30.0			
Acrylonitrile	++++ 0.6476	++++ 0.6464	0.6063 0.5278	0.5268	0.5634	Ave		0.586 4				9.4		30.0			
trans-1,2-Dichloroethene	2.6765 2.3334	2.1172 1.9218	2.2789 1.8147	1.9048	1.7963	Ave		2.105 4				14.6		30.0			
Methyl tert-butyl ether	++++ 3.3278	2.9386 2.8579	3.1761 2.4844	2.6879	2.7008	Ave		2.881 9				10.2		30.0			
n-Hexane	++++ 1.7155	1.4631 1.4283	1.6670 1.3550	1.3609	1.3060	Ave		1.470 8				10.9		30.0			
1,1-Dichloroethane	3.3112 2.3087	2.3236 2.1649	2.6031 2.0363	2.1103	2.0445	Ave		2.362 8				18.0		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.: 200-66988-1 Analy Batch No.: 188754
SDG No.: _____
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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	++++ 3.1309	++++ 3.0416	++++ 2.4653	2.4588	2.6915	Ave		2.757 6				11.5		30.0			
Methyl Ethyl Ketone	++++ 0.4713	++++ 0.4075	0.6186 0.3627	0.3725	0.3793	Ave		0.435 3				22.5		30.0			
cis-1,2-Dichloroethene	1.6150 1.2459	1.2295 1.0969	1.1953 1.0418	1.0437	1.0180	Ave		1.185 8				16.5		30.0			
Ethyl acetate	++++ 0.0679	++++ 0.0575	++++ 0.0488	0.0508	0.0570	Ave		0.056 4				13.3		30.0			
Tetrahydrofuran	++++ 0.2777	++++ 0.2209	++++ 0.2070	0.2221	0.1859	Ave		0.222 7				15.3		30.0			
Chloroform	++++ 3.5053	3.4479 3.1172	3.9492 2.9642	3.1157	2.9835	Ave		3.297 6				10.8		30.0			
1,1,1-Trichloroethane	++++ 0.7744	0.7240 0.5975	0.8483 0.5957	0.6644	0.5459	Ave		0.678 6				16.1		30.0			
Cyclohexane	++++ 0.3078	0.2706 0.2322	0.3166 0.2307	0.2546	0.2063	Ave		0.259 8				15.8		30.0			
Carbon tetrachloride	0.5521 0.8073	0.6104 0.6267	0.7403 0.6232	0.6740	0.5628	Ave		0.649 6				13.5		30.0			
Benzene	++++ 0.7788	0.7841 0.7119	0.8365 0.6136	0.6313	0.5841	Ave		0.705 8				13.9		30.0			
1,2-Dichloroethane	++++ 0.5336	0.4852 0.4830	0.5559 0.4179	0.4452	0.3988	Ave		0.474 2				12.2		30.0			
2,2,4-Trimethylpentane	++++ 1.4699	1.1690 1.1510	1.3868 1.1532	1.1929	1.0006	Ave		1.217 6				13.0		30.0			
n-Heptane	++++ 0.6573	0.5665 0.5203	0.6220 0.5235	0.5341	0.4451	Ave		0.552 7				12.7		30.0			
n-Butanol	++++ 0.2451	++++ 0.1681	++++ 0.1745	0.1941	0.1600	Ave		0.188 4				18.1		30.0			
Trichloroethene	0.6184 0.5512	0.5058 0.4263	0.6350 0.4516	0.4821	0.3865	Ave		0.507 1				17.6		30.0			
1,2-Dichloropropane	++++ 0.3461	0.3542 0.2940	0.3541 0.2585	0.2831	0.2596	Ave		0.307 1				14.1		30.0			
Methyl methacrylate	++++ 0.3007	++++ 0.2378	0.2369 0.2204	0.2272	0.1949	Ave		0.236 3				14.9		30.0			
Dibromomethane	++++ 0.3752	0.3836 0.3205	0.4219 0.3208	0.3369	0.2905	Ave		0.349 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.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	++++ 0.1966	0.1941 0.1435	0.1604 0.1311	0.1670	0.1335	Ave		0.160 9				16.7		30.0			
Bromodichloromethane	++++ 0.8445	0.7564 0.7438	0.8682 0.7351	0.7450	0.6529	Ave		0.763 7				9.5		30.0			
cis-1,3-Dichloropropene	++++ 0.6028	0.5266 0.5289	0.5773 0.4850	0.4850	0.4456	Ave		0.521 6				10.6		30.0			
methyl isobutyl ketone	++++ 0.9639	++++ 0.7046	0.7915 0.7265	0.7323	0.6064	Ave		0.754 2				15.8		30.0			
Toluene	++++ 0.5716	0.5972 0.5380	0.6281 0.4473	0.4726	0.4831	Ave		0.534 0				12.8		30.0			
n-Octane	++++ 0.8794	0.6484 0.7548	0.7473 0.7686	0.6998	0.6343	Ave		0.733 3				11.3		30.0			
trans-1,3-Dichloropropene	++++ 0.5624	0.4693 0.4797	0.5236 0.4604	0.4538	0.4115	Ave		0.480 1				10.3		30.0			
1,1,2-Trichloroethane	++++ 0.3496	0.3296 0.3205	0.3576 0.2723	0.2926	0.2895	Ave		0.315 9				10.2		30.0			
Tetrachloroethene	0.6747 0.5606	0.5636 0.4973	0.6156 0.4540	0.5089	0.4635	Ave		0.542 3				14.1		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.9430	++++ 0.7586	0.7615 0.7254	0.7271	0.6743	Ave		0.765 0				12.1		30.0			
Dibromochloromethane	++++ 0.7688	0.5752 0.7267	0.7313 0.6354	0.6439	0.6443	Ave		0.675 1				10.1		30.0			
1,2-Dibromoethane	++++ 0.6109	0.5259 0.5703	0.5921 0.4959	0.5087	0.5066	Ave		0.544 4				8.5		30.0			
Chlorobenzene	++++ 0.7970	0.7582 0.7504	0.8228 0.6480	0.6808	0.6823	Ave		0.734 2				8.9		30.0			
Ethylbenzene	++++ 1.3880	1.4427 1.2537	1.3878 1.1193	1.1188	1.1325	Ave		1.263 3				11.3		30.0			
m,p-Xylene	++++ 0.4696	0.3778 0.4229	0.4099 0.3794	0.3688	0.3713	Ave		0.400 0				9.2		30.0			
n-Nonane	++++ 0.6799	0.4818 0.6309	0.5375 0.5738	0.5149	0.5241	Ave		0.563 3				12.4		30.0			
Xylene, o-	++++ 0.4632	0.4621 0.4107	0.4513 0.3735	0.3617	0.3645	Ave		0.412 4				11.3		30.0			
Styrene	++++ 0.7480	0.5493 0.6804	0.6014 0.6315	0.5551	0.5715	Ave		0.619 6				11.8		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.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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	++++ 0.7623	0.4541 0.6902	0.6240 0.6300	0.6106	0.6103	Ave		0.625 9				15.0		30.0			
Cumene	++++ 1.4244	1.1060 1.2679	1.1736 1.1838	1.1013	1.0937	Ave		1.192 9				10.0		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9076	0.7827 0.7825	0.8276 0.7189	0.7377	0.7029	Ave		0.780 0				9.1		30.0			
1,2,3-Trichloropropane	++++ 0.7800	++++ 0.6792	0.7210 0.6205	0.6328	0.6110	Ave		0.674 1				9.8		30.0			
n-Propylbenzene	++++ 1.8040	1.4068 1.5975	1.5368 1.4931	1.3807	1.3502	Ave		1.509 9				10.4		30.0			
2-Chlorotoluene	++++ 1.2094	0.9855 1.0786	1.1079 0.9797	0.9572	0.9249	Ave		1.034 8				9.8		30.0			
4-Ethyltoluene	++++ 1.3972	1.0144 1.2135	1.1946 1.1402	1.0662	1.0371	Ave		1.151 9				11.5		30.0			
1,3,5-Trimethylbenzene	++++ 1.1848	0.8862 1.0376	1.0029 0.9968	0.8949	0.8680	Ave		0.981 6				11.4		30.0			
n-Decane	++++ 0.7633	++++ 0.6655	0.5341 0.6707	0.5142	0.5157	Ave		0.610 6				17.0		30.0			
Alpha Methyl Styrene	++++ 0.5454	0.3340 0.4880	0.3909 0.4774	0.3779	0.3911	Ave		0.429 3				17.5		30.0			
tert-Butylbenzene	++++ 1.0001	0.8293 0.8964	0.9512 0.8604	0.7662	0.7420	Ave		0.863 7				10.9		30.0			
1,2,4-Trimethylbenzene	++++ 1.1818	1.1675 1.0536	1.0612 1.0146	0.9334	0.8768	Ave		1.041 3				10.8		30.0			
sec-Butylbenzene	++++ 1.5922	1.3085 1.3965	1.4189 1.4115	1.2000	1.1570	Ave		1.354 9				10.9		30.0			
1,3-Dichlorobenzene	++++ 0.8063	0.6455 0.7267	0.7765 0.7132	0.6467	0.6195	Ave		0.704 9				10.1		30.0			
4-Isopropyltoluene	++++ 1.2866	0.9938 1.1163	1.1003 1.1786	0.9459	0.9034	Ave		1.075 0				12.6		30.0			
1,4-Dichlorobenzene	++++ 0.8333	0.7313 0.7367	0.7897 0.7165	0.6477	0.6288	Ave		0.726 3				10.0		30.0			
Benzyl chloride	++++ 1.3329	0.9128 1.1248	1.0803 1.1235	1.0252	0.9902	Ave		1.084 2				12.3		30.0			
n-Butylbenzene	++++ 1.3588	0.9431 1.1165	1.1261 1.2610	0.9437	0.9267	Ave		1.096 6				15.5		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.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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	+++++ 0.8070	0.7152 0.6761	0.7787 0.6879	0.6205	0.6090	Ave		0.699 2				10.6		30.0			
n-Undecane	+++++ 0.7856	+++++ 0.6279	+++++ 0.8056	0.3845	0.4893	Ave		0.618 6				29.6		30.0			
n-Dodecane	+++++ 0.6767	+++++ 0.5082	+++++ 0.7145	0.4148	0.4122	Ave		0.545 3				26.3		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6479	+++++ 0.5636	0.5108 0.6359	0.4956	0.4720	Ave		0.554 3				13.4		30.0			
Hexachlorobutadiene	+++++ 0.5473	0.4610 0.4992	0.5488 0.5697	0.3871	0.3867	Ave		0.485 7				15.8		30.0			
Naphthalene	+++++ 1.5121	+++++ 1.3013	1.0866 1.4060	1.1661	1.1111	Ave		1.263 9				13.6		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5284	+++++ 0.4538	0.4888 0.5315	0.4365	0.3973	Ave		0.472 7				11.3		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-188754/4	200-54458-004.D
Level 2	IC 200-188754/5	200-54458-005.D
Level 3	IC 200-188754/6	200-54458-006.D
Level 4	IC 200-188754/7	200-54458-007.D
Level 5	ICIS 200-188754/8	200-54458-008.D
Level 6	IC 200-188754/9	200-54458-009.D
Level 7	IC 200-188754/21	200-54458-021.D
Level 8	IC 200-188754/12	200-54458-012.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	++++ 412441	++++ 565664	++++ 1062336	115548	238430	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1574162	++++ 2057174	++++ 3921366	470763	950206	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Freon 22	BCM	Ave	++++ 965582	++++ 1347095	++++ 2484714	273512	589082	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1325679	++++ 1741784	++++ 3261393	388674	790494	++++ 15.0	++++ 0.200	++++ 0.500	4.99	10.00
Chloromethane	BCM	Ave	++++ 405508	++++ 558807	++++ 1045715	115454	234653	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Vinyl chloride	BCM	Ave	++++ 406985	++++ 553307	++++ 1023917	113816	236497	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 614764	++++ 834942	++++ 1557480	171556	360355	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 279431	++++ 383871	++++ 711493	75249	163416	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 385161	++++ 494945	++++ 937289	103409	227252	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Chloroethane	BCM	Ave	++++ 140129	++++ 190330	++++ 356231	37624	81378	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Isopentane	BCM	Ave	++++ 386984	++++ 541345	++++ 926398	104231	214072	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 359609	++++ 475808	++++ 868223	101411	203830	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1307728	++++ 1682565	++++ 3140520	382767	776154	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
n-Pentane	BCM	Ave	++++ 644333	++++ 874860	++++ 1552438	175318	378040	++++ 15.0	++++ 20.0	++++ 0.500	4.99	10.00
Ethanol	BCM	Ave	++++ 372491	++++ 500215	++++ 1657248	153320	169435	++++ 20.0	++++ 26.8	++++ 5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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	++++ 179097	2721 281112	6237 422690	50543	121715	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 83156	++++ 151102	++++ 217133	23433	59444	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	1891 382997	5108 482886	13566 884745	105280	217815	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 890243	13842 1189135	35036 2132776	261784	553685	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 626902	++++ 965127	++++ 1509816	190175	427550	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 738597	++++ 993294	++++ 1747581	213097	448246	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1148006	++++ 1542486	40358 2831981	332858	684379	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 220150	++++ 353838	++++ 547027	62792	150300	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 498536	7235 794353	17210 1397815	143107	326651	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 567782	++++ 787446	22138 1394253	160688	346208	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 847052	++++ 1113800	++++ 2106687	235288	493484	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 185150	++++ 311182	6338 479710	52266	128644	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	2176 667140	9261 925191	23821 1649294	188970	410168	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 951430	12854 1375871	33200 2257861	266660	616717	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 490472	6400 687648	17425 1231428	135006	298220	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2692 660067	10164 1042274	27210 1850695	209349	466849	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 895140	++++ 1464308	++++ 2240549	243927	614578	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 134755	++++ 196203	6466 329659	36952	86603	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	1313 356214	5378 528103	12494 946833	103538	232462	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 19427	++++ 27693	++++ 44310	5044	13012	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	++++	112382	251994	++++	++++	++++	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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
			407380	593162	1009861			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 1002196	15082 1500711	41281 2693923	309096	681266	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1136126	16611 1604556	44410 2906713	336205	739930	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 451547	6208 623583	16575 1125853	128849	279600	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	2572 1184378	14005 1682771	38754 3040884	341047	762810	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 1142665	17989 1911731	43792 2994134	319462	791661	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 782932	11132 1296872	29104 2039157	225268	540556	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 2156606	26821 3090678	72600 5627139	603677	1356290	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 964360	12997 1397133	32564 2554554	270301	603282	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	++++ 359550	++++ 451367	++++ 851349	98220	216919	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	2881 808685	11604 1144825	33246 2203720	243985	523862	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 507809	8127 789523	18537 1261362	143279	351822	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	++++ 441177	++++ 638640	12400 1075427	114949	264182	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	++++ 550452	8802 860641	22088 1565394	170481	393736	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	++++ 288375	4454 385282	8396 639535	84528	181011	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	++++ 1239027	17353 1997262	45450 3587191	376994	885016	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 884349	12081 1420107	30224 2366674	245442	604001	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 1414210	++++ 1891912	41435 3545073	370583	821951	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZd 5	Ave	++++ 850824	13117 1325622	31920 2227831	235856	580060	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	++++ 1290214	14877 2026868	39124 3750779	354137	859772	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++	10768	27414	229624	557690	++++	0.200	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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
			825122	1288214	2246810			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	++++	7240	18172	145993	347651	++++	0.200	0.500	4.99	10.00
			520341	789581	1355906			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	2782	12378	31286	253953	556513	0.0351	0.200	0.500	4.99	10.00
			834462	1225346	2261107			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	++++	++++	38699	362834	809547	++++	++++	0.500	4.99	10.00
			1403614	1869128	3612854			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	++++	12633	37165	321337	773549	++++	0.200	0.500	4.99	10.00
			1144247	1790338	3164273			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	++++	11551	30091	253858	608269	++++	0.200	0.500	4.99	10.00
			909321	1405059	2469693			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	++++	16653	41815	339737	819264	++++	0.200	0.500	4.99	10.00
			1186342	1848938	3227081			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	++++	31686	70526	558330	1359799	++++	0.200	0.500	4.99	10.00
			2065925	3088943	5574421			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	++++	16597	41667	368131	891672	++++	0.401	1.00	9.99	20.0
			1397829	2083867	3779241			30.0	40.1	80.0		
n-Nonane	CBNZd 5	Ave	++++	10582	27317	256975	629226	++++	0.200	0.500	4.99	10.00
			1011985	1554520	2857522			15.0	20.0	40.0		
Xylene, o-	CBNZd 5	Ave	++++	10150	22934	180505	437677	++++	0.200	0.500	4.99	10.00
			689500	1011832	1860054			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	++++	12064	30564	276991	686186	++++	0.200	0.500	4.99	10.00
			1113390	1676481	3145103			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	++++	9973	31711	304725	732753	++++	0.200	0.500	4.99	10.00
			1134604	1700619	3137636			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	++++	24291	59642	549558	1313194	++++	0.200	0.500	4.99	10.00
			2120110	3123762	5895392			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++	17190	42059	368131	843913	++++	0.200	0.500	4.99	10.00
			1350974	1927974	3580199			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.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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	+++++	+++++	36641	315764	733605	+++++	+++++	0.500	4.99	10.00
			1161052	1673422	3090371			15.0	20.0	40.0		
n-Propylbenzene	CBNZd 5	Ave	+++++	30897	78102	689014	1621189	+++++	0.200	0.500	4.99	10.00
			2685205	3936006	7435784			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	+++++	21644	56305	477694	1110524	+++++	0.200	0.500	4.99	10.00
			1800120	2657437	4879184			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	+++++	22279	60710	532040	1245249	+++++	0.200	0.500	4.99	10.00
			2079578	2989790	5678149			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	+++++	19464	50969	446604	1042190	+++++	0.200	0.500	4.99	10.00
			1763485	2556410	4964131			15.0	20.0	40.0		
n-Decane	CBNZd 5	Ave	+++++	+++++	27142	256603	619191	+++++	+++++	0.500	4.99	10.00
			1136052	1639674	3340065			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd 5	Ave	+++++	7336	19868	188573	469589	+++++	0.200	0.500	4.99	10.00
			811867	1202379	2377314			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	+++++	18213	48340	382381	890943	+++++	0.200	0.500	4.99	10.00
			1488518	2208592	4285181			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	+++++	25641	53932	465808	1052775	+++++	0.200	0.500	4.99	10.00
			1759099	2595887	5053082			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	+++++	28738	72109	598850	1389147	+++++	0.200	0.500	4.99	10.00
			2369908	3440623	7029540			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd 5	Ave	+++++	14177	39460	322703	743796	+++++	0.200	0.500	4.99	10.00
			1200201	1790353	3551865			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	+++++	21827	55918	472038	1084706	+++++	0.200	0.500	4.99	10.00
			1915085	2750313	5869657			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	+++++	16061	40134	323223	755008	+++++	0.200	0.500	4.99	10.00
			1240384	1815015	3568460			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	+++++	20048	54899	511590	1188837	+++++	0.200	0.500	4.99	10.00
			1983973	2771333	5595203			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.: 200-66988-1 Analy Batch No.: 188754

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2023 15:59 Calibration End Date: 02/23/2023 08:20 Calibration ID: 49907

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	+++++ 2022556	20713 2750827	57231 6279767	470954	1112630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++ 1201115	15709 1665687	39575 3425955	309665	731180	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZd 5	Ave	+++++ 1169391	+++++ 1547121	+++++ 4012047	191854	587529	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Dodecane	CBNZd 5	Ave	+++++ 1007263	+++++ 1252043	+++++ 3558363	206994	494926	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++ 964358	+++++ 1388496	25958 3166820	247330	566760	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZd 5	Ave	+++++ 814689	10124 1229900	27892 2837346	193186	464273	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZd 5	Ave	+++++ 2250738	+++++ 3206070	55223 7002076	581936	1334005	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++ 786520	+++++ 1117970	24843 2647055	217811	476989	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66780-1

SDG No.: _____

Lab Sample ID: ICV 200-188264/17 Calibration Date: 02/09/2023 04:42

Instrument ID: CHG.i Calib Start Date: 02/08/2023 17:19

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/09/2023 01:11

Lab File ID: 200-54269-017.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	0.8941	0.8939		10.0	10.0	-0.0	30.0
Dichlorodifluoromethane	Ave	4.245	4.123		9.71	10.0	-2.9	30.0
Freon 22	Ave	2.291	2.198		9.59	10.0	-4.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.358	3.264		9.72	10.0	-2.8	30.0
Chloromethane	Ave	0.9212	0.8873		9.63	10.0	-3.7	30.0
n-Butane	Ave	1.354	1.310		9.67	10.0	-3.3	30.0
Vinyl chloride	Ave	1.131	0.997		8.81	10.0	-11.9	30.0
1,3-Butadiene	Ave	0.7249	0.6619		9.13	10.0	-8.7	30.0
Bromomethane	Ave	1.105	1.051		9.51	10.0	-4.8	30.0
Chloroethane	Ave	0.3875	0.3659		9.44	10.0	-5.6	30.0
Isopentane	Ave	0.9626	0.8807		9.15	10.0	-8.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.051	1.034		9.83	10.0	-1.6	30.0
Trichlorofluoromethane	Ave	3.780	3.578		9.46	10.0	-5.3	30.0
n-Pentane	Ave	1.318	1.241		9.41	10.0	-5.9	30.0
Ethanol	Ave	0.3747	0.3675		14.4	14.7	-1.9	30.0
Ethyl ether	Ave	0.4887	0.4642		9.50	10.0	-5.0	30.0
Acrolein	Ave	0.2427	0.2427		10.0	10.0	-0.0	30.0
1,1-Dichloroethene	Ave	1.030	0.9168		8.90	10.0	-11.0	30.0
Freon TF	Ave	2.380	2.279		9.57	10.0	-4.3	30.0
Acetone	Ave	1.378	1.424		10.3	10.0	3.4	30.0
Isopropyl alcohol	Ave	1.402	1.474		10.5	10.0	5.2	30.0
Carbon disulfide	Ave	2.767	2.658		9.61	10.0	-3.9	30.0
Acetonitrile	Ave	0.4575	0.4705		10.3	10.0	2.8	30.0
3-Chloropropene	Ave	1.256	1.160		9.23	10.0	-7.7	30.0
Methylene Chloride	Ave	1.275	1.186		9.30	10.0	-7.0	30.0
tert-Butyl alcohol	Ave	1.730	1.784		10.3	10.0	3.1	30.0
Acrylonitrile	Ave	0.4842	0.4608		9.51	10.0	-4.8	30.0
trans-1,2-Dichloroethene	Ave	1.727	1.535		8.89	10.0	-11.1	30.0
Methyl tert-butyl ether	Ave	2.542	2.420		9.52	10.0	-4.8	30.0
n-Hexane	Ave	1.160	1.117		9.63	10.0	-3.7	30.0
1,1-Dichloroethane	Ave	1.917	1.795		9.36	10.0	-6.4	30.0
Vinyl acetate	Ave	2.112	2.142		10.1	10.0	1.4	30.0
Methyl Ethyl Ketone	Ave	0.3618	0.3458		9.56	10.0	-4.4	30.0
cis-1,2-Dichloroethene	Ave	1.111	1.005		9.04	10.0	-9.6	30.0
Ethyl acetate	Ave	0.0477	0.0515		10.8	10.0	8.0	30.0
Tetrahydrofuran	Ave	0.1513	0.1630		10.8	10.0	7.7	30.0
Chloroform	Ave	2.952	2.787		9.44	10.0	-5.6	30.0
1,1,1-Trichloroethane	Ave	0.5846	0.5853		10.0	10.0	0.1	30.0
Cyclohexane	Ave	0.2237	0.2285		10.2	10.0	2.1	30.0
Carbon tetrachloride	Ave	0.5937	0.6369		10.7	10.0	7.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66780-1

SDG No.: _____

Lab Sample ID: ICV 200-188264/17 Calibration Date: 02/09/2023 04:42

Instrument ID: CHG.i Calib Start Date: 02/08/2023 17:19

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/09/2023 01:11

Lab File ID: 200-54269-017.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	0.6358	0.6028		9.48	10.0	-5.2	30.0
1,2-Dichloroethane	Ave	0.4062	0.3872		9.53	10.0	-4.7	30.0
2,2,4-Trimethylpentane	Ave	0.9236	0.9645		10.4	10.0	4.4	30.0
n-Heptane	Ave	0.3680	0.3885		10.6	10.0	5.6	30.0
n-Butanol	Ave	0.1356	0.1475		10.9	10.0	8.8	30.0
Trichloroethene	Ave	0.4179	0.3877		9.28	10.0	-7.2	30.0
1,2-Dichloropropane	Ave	0.2616	0.2535		9.69	10.0	-3.1	30.0
Methyl methacrylate	Ave	0.1985	0.1988		10.0	10.0	0.1	30.0
Dibromomethane	Ave	0.3536	0.3672		10.4	10.0	3.8	30.0
1,4-Dioxane	Ave	0.1307	0.1445		11.0	10.0	10.5	30.0
Bromodichloromethane	Ave	0.6738	0.6875		10.2	10.0	2.0	30.0
cis-1,3-Dichloropropene	Ave	0.4683	0.4745		10.1	10.0	1.3	30.0
methyl isobutyl ketone	Ave	0.5029	0.5009		9.96	10.0	-0.4	30.0
Toluene	Ave	0.5254	0.5351		10.2	10.0	1.8	30.0
n-Octane	Ave	0.5111	0.5350		10.5	10.0	4.7	30.0
trans-1,3-Dichloropropene	Ave	0.4250	0.4401		10.4	10.0	3.6	30.0
1,1,2-Trichloroethane	Ave	0.2970	0.3054		10.3	10.0	2.8	30.0
Tetrachloroethene	Ave	0.5405	0.5383		9.96	10.0	-0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5336	0.5419		10.2	10.0	1.6	30.0
Dibromochloromethane	Ave	0.7137	0.7227		10.1	10.0	1.3	30.0
1,2-Dibromoethane	Ave	0.5629	0.5838		10.4	10.0	3.7	30.0
Chlorobenzene	Ave	0.7402	0.7577		10.2	10.0	2.4	30.0
Ethylbenzene	Ave	1.161	1.176		10.1	10.0	1.3	30.0
m,p-Xylene	Ave	0.3977	0.4233		21.3	20.0	6.5	30.0
n-Nonane	Ave	0.4580	0.4814		10.5	10.0	5.1	30.0
Xylene, o-	Ave	0.4074	0.4135		10.1	10.0	1.5	30.0
Styrene	Ave	0.5823	0.6484		11.1	10.0	11.4	30.0
Bromoform	Ave	0.6915	0.7206		10.4	10.0	4.2	30.0
Cumene	Ave	1.120	1.163		10.4	10.0	3.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7145	0.7460		10.4	10.0	4.4	30.0
1,2,3-Trichloropropane	Ave	0.6006	0.6204		10.3	10.0	3.3	30.0
n-Propylbenzene	Ave	1.349	1.393		10.3	10.0	3.2	30.0
2-Chlorotoluene	Ave	0.9362	0.9851		10.5	10.0	5.2	30.0
4-Ethyltoluene	Ave	1.059	1.089		10.3	10.0	2.9	30.0
1,3,5-Trimethylbenzene	Ave	0.9079	0.9004		9.92	10.0	-0.8	30.0
n-Decane	Ave	0.4817	0.4598		9.54	10.0	-4.5	30.0
Alpha Methyl Styrene	Ave	0.4189	0.4483		10.7	10.0	7.0	30.0
tert-Butylbenzene	Ave	0.8418	0.8022		9.53	10.0	-4.7	30.0
1,2,4-Trimethylbenzene	Ave	0.9391	0.9128		9.72	10.0	-2.8	30.0
sec-Butylbenzene	Ave	1.260	1.203		9.55	10.0	-4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66780-1
 SDG No.: _____
 Lab Sample ID: ICV 200-188264/17 Calibration Date: 02/09/2023 04:42
 Instrument ID: CHG.i Calib Start Date: 02/08/2023 17:19
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/09/2023 01:11
 Lab File ID: 200-54269-017.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.6926	0.7014		10.1	10.0	1.3	30.0
4-Isopropyltoluene	Ave	0.996	0.9508		9.54	10.0	-4.6	30.0
1,4-Dichlorobenzene	Ave	0.6977	0.7119		10.2	10.0	2.0	30.0
Benzyl chloride	Ave	0.9747	1.012		10.4	10.0	3.8	30.0
n-Butylbenzene	Ave	0.9618	0.8865		9.22	10.0	-7.8	30.0
1,2-Dichlorobenzene	Ave	0.6824	0.6817		9.99	10.0	-0.1	30.0
n-Undecane	Ave	0.4354	0.3697		8.49	10.0	-15.1	30.0
n-Dodecane	Ave	0.2992	0.2509		8.38	10.0	-16.1	30.0
1,2,4-Trichlorobenzene	Ave	0.4438	0.4168		9.39	10.0	-6.1	30.0
Hexachlorobutadiene	Ave	0.4374	0.3727		8.52	10.0	-14.8	30.0
Naphthalene	Ave	0.9308	0.9681		10.4	10.0	4.0	30.0
1,2,3-Trichlorobenzene	Ave	0.3282	0.3093		9.42	10.0	-5.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66780-1

SDG No.: _____

Lab Sample ID: CCVIS 200-188367/2 Calibration Date: 02/11/2023 10:48

Instrument ID: CHG.i Calib Start Date: 02/08/2023 17:19

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/09/2023 01:11

Lab File ID: 200-54301-002.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	0.8941	0.9390		10.5	10.0	5.0	30.0
Dichlorodifluoromethane	Ave	4.245	3.939		9.28	10.0	-7.2	30.0
Freon 22	Ave	2.291	2.242		9.78	10.0	-2.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.358	3.114		9.27	10.0	-7.3	30.0
Chloromethane	Ave	0.9212	0.9237		10.0	10.0	0.3	30.0
Vinyl chloride	Ave	1.131	0.9831		8.69	10.0	-13.1	30.0
n-Butane	Ave	1.354	1.436		10.6	10.0	6.0	30.0
1,3-Butadiene	Ave	0.7249	0.6456		8.90	10.0	-10.9	30.0
Bromomethane	Ave	1.105	1.002		9.07	10.0	-9.3	30.0
Chloroethane	Ave	0.3875	0.3610		9.31	10.0	-6.9	30.0
Isopentane	Ave	0.9626	0.9278		9.64	10.0	-3.6	30.0
Bromoethene (Vinyl Bromide)	Ave	1.051	0.9380		8.92	10.0	-10.8	30.0
Trichlorofluoromethane	Ave	3.780	3.485		9.22	10.0	-7.8	30.0
n-Pentane	Ave	1.318	1.437		10.9	10.0	9.0	30.0
Ethanol	Ave	0.3747	0.4230		16.9	15.0	12.9	30.0
Ethyl ether	Ave	0.4887	0.5120		10.5	10.0	4.8	30.0
Acrolein	Ave	0.2427	0.2388		9.84	10.0	-1.6	30.0
1,1-Dichloroethene	Ave	1.030	0.9194		8.93	10.0	-10.7	30.0
Freon TF	Ave	2.380	2.290		9.62	10.0	-3.8	30.0
Acetone	Ave	1.378	1.705		12.4	10.0	23.8	30.0
Isopropyl alcohol	Ave	1.402	1.762		12.6	10.0	25.7	30.0
Carbon disulfide	Ave	2.767	2.841		10.3	10.0	2.7	30.0
Acetonitrile	Ave	0.4575	0.5881		12.9	10.0	28.5	30.0
3-Chloropropene	Ave	1.256	1.331		10.6	10.0	6.0	30.0
Methylene Chloride	Ave	1.275	1.364		10.7	10.0	7.0	30.0
tert-Butyl alcohol	Ave	1.730	1.998		11.5	10.0	15.5	30.0
Acrylonitrile	Ave	0.4842	0.5053		10.4	10.0	4.3	30.0
trans-1,2-Dichloroethene	Ave	1.727	1.707		9.88	10.0	-1.1	30.0
Methyl tert-butyl ether	Ave	2.542	2.539		9.99	10.0	-0.1	30.0
n-Hexane	Ave	1.160	1.240		10.7	10.0	6.9	30.0
1,1-Dichloroethane	Ave	1.917	1.918		10.0	10.0	0.0	30.0
Vinyl acetate	Ave	2.112	2.378		11.3	10.0	12.6	30.0
Methyl Ethyl Ketone	Ave	0.3618	0.3651		10.1	10.0	0.9	30.0
cis-1,2-Dichloroethene	Ave	1.111	0.9922		8.93	10.0	-10.7	30.0
Ethyl acetate	Ave	0.0477	0.0505		10.6	10.0	5.9	30.0
Tetrahydrofuran	Ave	0.1513	0.1673		11.1	10.0	10.6	30.0
Chloroform	Ave	2.952	2.868		9.71	10.0	-2.8	30.0
1,1,1-Trichloroethane	Ave	0.5846	0.5103		8.73	10.0	-12.7	30.0
Cyclohexane	Ave	0.2237	0.2025		9.05	10.0	-9.5	30.0
Carbon tetrachloride	Ave	0.5937	0.5354		9.02	10.0	-9.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66780-1

SDG No.: _____

Lab Sample ID: CCVIS 200-188367/2 Calibration Date: 02/11/2023 10:48

Instrument ID: CHG.i Calib Start Date: 02/08/2023 17:19

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/09/2023 01:11

Lab File ID: 200-54301-002.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	0.6358	0.5555		8.74	10.0	-12.6	30.0
1,2-Dichloroethane	Ave	0.4062	0.3785		9.32	10.0	-6.8	30.0
2,2,4-Trimethylpentane	Ave	0.9236	0.9579		10.4	10.0	3.7	30.0
n-Heptane	Ave	0.3680	0.4081		11.1	10.0	10.9	30.0
n-Butanol	Ave	0.1356	0.1486		11.0	10.0	9.6	30.0
Trichloroethene	Ave	0.4179	0.3736		8.94	10.0	-10.6	30.0
1,2-Dichloropropane	Ave	0.2616	0.2512		9.60	10.0	-4.0	30.0
Methyl methacrylate	Ave	0.1985	0.1961		9.88	10.0	-1.2	30.0
1,4-Dioxane	Ave	0.1307	0.1329		10.2	10.0	1.7	30.0
Dibromomethane	Ave	0.3536	0.2870		8.12	10.0	-18.8	30.0
Bromodichloromethane	Ave	0.6738	0.6291		9.33	10.0	-6.6	30.0
cis-1,3-Dichloropropene	Ave	0.4683	0.4344		9.27	10.0	-7.2	30.0
methyl isobutyl ketone	Ave	0.5029	0.5611		11.2	10.0	11.6	30.0
Toluene	Ave	0.5254	0.4859		9.25	10.0	-7.5	30.0
n-Octane	Ave	0.5111	0.6015		11.8	10.0	17.7	30.0
trans-1,3-Dichloropropene	Ave	0.4250	0.4016		9.45	10.0	-5.5	30.0
1,1,2-Trichloroethane	Ave	0.2970	0.2878		9.69	10.0	-3.1	30.0
Tetrachloroethene	Ave	0.5405	0.4469		8.27	10.0	-17.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5336	0.6339		11.9	10.0	18.8	30.0
Dibromochloromethane	Ave	0.7137	0.6391		8.95	10.0	-10.5	30.0
1,2-Dibromoethane	Ave	0.5629	0.5181		9.20	10.0	-8.0	30.0
Chlorobenzene	Ave	0.7402	0.6793		9.18	10.0	-8.2	30.0
Ethylbenzene	Ave	1.161	1.099		9.46	10.0	-5.3	30.0
m,p-Xylene	Ave	0.3977	0.3831		19.3	20.0	-3.7	30.0
n-Nonane	Ave	0.4580	0.5256		11.5	10.0	14.7	30.0
Xylene, o-	Ave	0.4074	0.3649		8.96	10.0	-10.4	30.0
Styrene	Ave	0.5823	0.5928		10.2	10.0	1.8	30.0
Bromoform	Ave	0.6915	0.5872		8.49	10.0	-15.1	30.0
Cumene	Ave	1.120	1.065		9.51	10.0	-4.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7145	0.6636		9.29	10.0	-7.1	30.0
1,2,3-Trichloropropane	Ave	0.6006	0.5766		9.60	10.0	-4.0	30.0
n-Propylbenzene	Ave	1.349	1.302		9.65	10.0	-3.5	30.0
2-Chlorotoluene	Ave	0.9362	0.8993		9.60	10.0	-3.9	30.0
4-Ethyltoluene	Ave	1.059	1.009		9.53	10.0	-4.7	30.0
1,3,5-Trimethylbenzene	Ave	0.9079	0.8428		9.28	10.0	-7.2	30.0
n-Decane	Ave	0.4817	0.4911		10.2	10.0	2.0	30.0
Alpha Methyl Styrene	Ave	0.4189	0.4019		9.59	10.0	-4.1	30.0
tert-Butylbenzene	Ave	0.8418	0.7541		8.96	10.0	-10.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9391	0.8708		9.27	10.0	-7.3	30.0
sec-Butylbenzene	Ave	1.260	1.147		9.11	10.0	-8.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66780-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-188367/2 Calibration Date: 02/11/2023 10:48
 Instrument ID: CHG.i Calib Start Date: 02/08/2023 17:19
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/09/2023 01:11
 Lab File ID: 200-54301-002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.6926	0.6352		9.17	10.0	-8.3	30.0
4-Isopropyltoluene	Ave	0.996	0.9178		9.21	10.0	-7.9	30.0
1,4-Dichlorobenzene	Ave	0.6977	0.6430		9.22	10.0	-7.8	30.0
Benzyl chloride	Ave	0.9747	0.9345		9.59	10.0	-4.1	30.0
n-Butylbenzene	Ave	0.9618	0.8924		9.28	10.0	-7.2	30.0
1,2-Dichlorobenzene	Ave	0.6824	0.6237		9.14	10.0	-8.6	30.0
n-Undecane	Ave	0.4354	0.4273		9.81	10.0	-1.9	30.0
n-Dodecane	Ave	0.2992	0.3924		13.1	10.0	31.2*	30.0
1,2,4-Trichlorobenzene	Ave	0.4438	0.4659		10.5	10.0	5.0	30.0
Hexachlorobutadiene	Ave	0.4374	0.3972		9.08	10.0	-9.2	30.0
Naphthalene	Ave	0.9308	1.106		11.9	10.0	18.8	30.0
1,2,3-Trichlorobenzene	Ave	0.3282	0.3906		11.9	10.0	19.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66921-1

SDG No.: _____

Lab Sample ID: ICV 200-187989/16 Calibration Date: 02/01/2023 03:25

Instrument ID: CHW.i Calib Start Date: 01/31/2023 17:02

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/01/2023 00:48

Lab File ID: 54170-016.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
Dichlorodifluoromethane	Ave	4.578	4.903		10.7	10.0	7.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	5.233	5.469		10.4	10.0	4.5	30.0
Chloromethane	Ave	1.844	1.961		10.6	10.0	6.4	30.0
Vinyl chloride	Ave	1.919	1.970		10.3	10.0	2.7	30.0
1,3-Butadiene	Ave	1.482	1.509		10.2	10.0	1.8	30.0
Bromomethane	Ave	1.823	1.903		10.4	10.0	4.4	30.0
Chloroethane	Ave	1.083	1.161		10.7	10.0	7.2	30.0
Vinyl bromide	Ave	1.719	1.840		10.7	10.0	7.0	30.0
Trichlorofluoromethane	Ave	4.241	4.413		10.4	10.0	4.1	30.0
Ethanol	Ave	0.8424	0.8504		14.8	14.7	1.0	30.0
1,1-Dichloroethene	Ave	1.737	1.768		10.2	10.0	1.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.416	3.572		10.5	10.0	4.6	30.0
Acetone	Ave	2.287	2.492		10.9	10.0	9.0	30.0
Isopropanol	Ave	2.741	2.900		10.6	10.0	5.8	30.0
Carbon disulfide	Ave	4.655	4.978		10.7	10.0	6.9	30.0
Allyl chloride	Ave	2.244	2.216		9.87	10.0	-1.2	30.0
Methylene Chloride	Ave	1.748	1.864		10.7	10.0	6.6	30.0
tert-Butyl alcohol	Ave	3.026	3.212		10.6	10.0	6.2	30.0
1,2-Dichloroethene, trans-	Ave	2.207	2.350		10.6	10.0	6.5	30.0
Methyl tert-butyl ether	Ave	4.369	4.687		10.7	10.0	7.3	30.0
Hexane	Ave	2.480	2.628		10.6	10.0	6.0	30.0
1,1-Dichloroethane	Ave	2.769	2.887		10.4	10.0	4.3	30.0
Methyl ethyl ketone (MEK)	Ave	0.7612	0.8340		11.0	10.0	9.6	30.0
1,2-Dichloroethene, cis-	Ave	1.603	1.696		10.6	10.0	5.8	30.0
Tetrahydrofuran	Ave	0.3056	0.3470		11.4	10.0	13.6	30.0
Chloroform	Ave	3.110	3.293		10.6	10.0	5.9	30.0
1,1,1-Trichloroethane	Ave	0.5959	0.6474		10.9	10.0	8.6	30.0
Cyclohexane	Ave	0.4126	0.4481		10.9	10.0	8.6	30.0
Carbon tetrachloride	Ave	0.6170	0.6649		10.8	10.0	7.8	30.0
Benzene	Ave	0.9646	1.019		10.6	10.0	5.7	30.0
1,2-Dichloroethane	Ave	0.3706	0.3973		10.7	10.0	7.2	30.0
2,2,4-Trimethylpentane	Ave	1.519	1.619		10.7	10.0	6.6	30.0
n-Heptane	Ave	0.5413	0.5789		10.7	10.0	6.9	30.0
Trichloroethene	Ave	0.4046	0.4297		10.6	10.0	6.2	30.0
1,2-Dichloropropane	Ave	0.3490	0.3718		10.7	10.0	6.5	30.0
Methyl methacrylate	Ave	0.3132	0.3497		11.2	10.0	11.6	30.0
1,4-Dioxane	Ave	0.1781	0.1943		10.9	10.0	9.1	30.0
Bromodichloromethane	Ave	0.6332	0.6852		10.8	10.0	8.2	30.0
1,3-Dichloropropene, cis-	Ave	0.5700	0.6253		11.0	10.0	9.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66921-1
 SDG No.: _____
 Lab Sample ID: ICV 200-187989/16 Calibration Date: 02/01/2023 03:25
 Instrument ID: CHW.i Calib Start Date: 01/31/2023 17:02
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/01/2023 00:48
 Lab File ID: 54170-016.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
Methyl isobutyl ketone (MIBK)	Ave	0.6380	0.7128		11.2	10.0	11.7	30.0
Toluene	Ave	0.7928	0.8416		10.6	10.0	6.1	30.0
1,3-Dichloropropene, trans-	Ave	0.4811	0.5361		11.1	10.0	11.4	30.0
1,1,2-Trichloroethane	Ave	0.3781	0.4100		10.8	10.0	8.4	30.0
Tetrachloroethene	Ave	0.6492	0.6823		10.5	10.0	5.1	30.0
2-Hexanone	Ave	0.6893	0.7890		11.4	10.0	14.5	30.0
Dibromochloromethane	Ave	0.7413	0.8228		11.1	10.0	11.0	30.0
1,2-Dibromoethane	Ave	0.6532	0.7154		11.0	10.0	9.5	30.0
Chlorobenzene	Ave	1.049	1.111		10.6	10.0	5.9	30.0
Ethylbenzene	Ave	1.730	1.855		10.7	10.0	7.2	30.0
m,p-Xylene	Ave	0.6632	0.7155		21.6	20.0	7.9	30.0
Xylene, o-	Ave	0.6437	0.6931		10.8	10.0	7.7	30.0
Styrene	Ave	0.9737	1.101		11.3	10.0	13.1	30.0
Bromoform	Ave	0.7175	0.8197		11.4	10.0	14.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9739	1.058		10.9	10.0	8.6	30.0
2-Chlorotoluene	Ave	1.427	1.508		10.6	10.0	5.7	30.0
4-Ethyltoluene	Ave	1.840	2.017		11.0	10.0	9.6	30.0
1,3,5-Trimethylbenzene	Ave	1.557	1.681		10.8	10.0	8.0	30.0
1,2,4-Trimethylbenzene	Ave	1.536	1.680		10.9	10.0	9.4	30.0
1,3-Dichlorobenzene	Ave	0.9627	1.052		10.9	10.0	9.3	30.0
1,4-Dichlorobenzene	Ave	0.9379	1.026		10.9	10.0	9.4	30.0
1,2-Dichlorobenzene	Ave	0.9309	0.997		10.7	10.0	7.2	30.0
1,2,4-Trichlorobenzene	Ave	0.5290	0.5411		10.2	10.0	2.3	30.0
Hexachlorobutadiene	Ave	0.7281	0.7301		10.0	10.0	0.3	30.0
Naphthalene	Ave	1.110	1.110		9.99	10.0	-0.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66921-1

SDG No.: _____

Lab Sample ID: CCVIS 200-188785/3 Calibration Date: 02/23/2023 09:05

Instrument ID: CHW.i Calib Start Date: 01/31/2023 17:02

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/01/2023 00:48

Lab File ID: 54466-003.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
Dichlorodifluoromethane	Ave	4.578	4.341		9.48	10.0	-5.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	5.233	6.088		11.6	10.0	16.3	30.0
Chloromethane	Ave	1.844	2.278		12.4	10.0	23.6	30.0
Vinyl chloride	Ave	1.919	1.857		9.67	10.0	-3.2	30.0
1,3-Butadiene	Ave	1.482	1.408		9.50	10.0	-5.0	30.0
Bromomethane	Ave	1.823	2.017		11.1	10.0	10.7	30.0
Chloroethane	Ave	1.083	1.185		10.9	10.0	9.4	30.0
Vinyl bromide	Ave	1.719	1.865		10.8	10.0	8.5	30.0
Trichlorofluoromethane	Ave	4.241	4.553		10.7	10.0	7.4	30.0
Ethanol	Ave	0.8424	0.8054		14.3	15.0	-4.4	30.0
1,1-Dichloroethene	Ave	1.737	1.687		9.71	10.0	-2.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.416	3.499		10.2	10.0	2.4	30.0
Acetone	Ave	2.287	2.351		10.3	10.0	2.8	30.0
Isopropanol	Ave	2.741	2.628		9.58	10.0	-4.1	30.0
Carbon disulfide	Ave	4.655	4.530		9.73	10.0	-2.7	30.0
Allyl chloride	Ave	2.244	1.950		8.69	10.0	-13.1	30.0
Methylene Chloride	Ave	1.748	1.631		9.33	10.0	-6.7	30.0
tert-Butyl alcohol	Ave	3.026	2.934		9.69	10.0	-3.1	30.0
1,2-Dichloroethene, trans-	Ave	2.207	2.103		9.53	10.0	-4.7	30.0
Methyl tert-butyl ether	Ave	4.369	4.326		9.90	10.0	-1.0	30.0
Hexane	Ave	2.480	2.269		9.15	10.0	-8.5	30.0
1,1-Dichloroethane	Ave	2.769	2.580		9.32	10.0	-6.8	30.0
Methyl ethyl ketone (MEK)	Ave	0.7612	0.7275		9.56	10.0	-4.4	30.0
1,2-Dichloroethene, cis-	Ave	1.603	1.562		9.74	10.0	-2.6	30.0
Tetrahydrofuran	Ave	0.3056	0.2964		9.70	10.0	-3.0	30.0
Chloroform	Ave	3.110	3.077		9.89	10.0	-1.0	30.0
1,1,1-Trichloroethane	Ave	0.5959	0.6436		10.8	10.0	8.0	30.0
Cyclohexane	Ave	0.4126	0.4132		10.0	10.0	0.1	30.0
Carbon tetrachloride	Ave	0.6170	0.6780		11.0	10.0	9.9	30.0
Benzene	Ave	0.9646	0.9539		9.89	10.0	-1.1	30.0
1,2-Dichloroethane	Ave	0.3706	0.4022		10.8	10.0	8.5	30.0
2,2,4-Trimethylpentane	Ave	1.519	1.468		9.67	10.0	-3.3	30.0
n-Heptane	Ave	0.5413	0.5217		9.64	10.0	-3.6	30.0
Trichloroethene	Ave	0.4046	0.4164		10.3	10.0	2.9	30.0
1,2-Dichloropropane	Ave	0.3490	0.3382		9.69	10.0	-3.1	30.0
Methyl methacrylate	Ave	0.3132	0.3198		10.2	10.0	2.1	30.0
1,4-Dioxane	Ave	0.1781	0.1829		10.3	10.0	2.7	30.0
Bromodichloromethane	Ave	0.6332	0.6710		10.6	10.0	6.0	30.0
1,3-Dichloropropene, cis-	Ave	0.5700	0.5898		10.3	10.0	3.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66921-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-188785/3 Calibration Date: 02/23/2023 09:05
 Instrument ID: CHW.i Calib Start Date: 01/31/2023 17:02
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/01/2023 00:48
 Lab File ID: 54466-003.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
Methyl isobutyl ketone (MIBK)	Ave	0.6380	0.6496		10.2	10.0	1.8	30.0
Toluene	Ave	0.7928	0.8101		10.2	10.0	2.2	30.0
1,3-Dichloropropene, trans-	Ave	0.4811	0.5139		10.7	10.0	6.8	30.0
1,1,2-Trichloroethane	Ave	0.3781	0.3846		10.2	10.0	1.7	30.0
Tetrachloroethene	Ave	0.6492	0.7045		10.8	10.0	8.5	30.0
2-Hexanone	Ave	0.6893	0.7207		10.5	10.0	4.6	30.0
Dibromochloromethane	Ave	0.7413	0.8320		11.2	10.0	12.2	30.0
1,2-Dibromoethane	Ave	0.6532	0.6984		10.7	10.0	6.9	30.0
Chlorobenzene	Ave	1.049	1.088		10.4	10.0	3.7	30.0
Ethylbenzene	Ave	1.730	1.799		10.4	10.0	4.0	30.0
m,p-Xylene	Ave	0.6632	0.7025		21.2	20.0	5.9	30.0
Xylene, o-	Ave	0.6437	0.6762		10.5	10.0	5.1	30.0
Styrene	Ave	0.9737	1.073		11.0	10.0	10.2	30.0
Bromoform	Ave	0.7175	0.8504		11.9	10.0	18.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9739	1.004		10.3	10.0	3.1	30.0
2-Chlorotoluene	Ave	1.427	1.495		10.5	10.0	4.8	30.0
4-Ethyltoluene	Ave	1.840	2.015		10.9	10.0	9.5	30.0
1,3,5-Trimethylbenzene	Ave	1.557	1.700		10.9	10.0	9.2	30.0
1,2,4-Trimethylbenzene	Ave	1.536	1.692		11.0	10.0	10.2	30.0
1,3-Dichlorobenzene	Ave	0.9627	1.089		11.3	10.0	13.1	30.0
1,4-Dichlorobenzene	Ave	0.9379	1.057		11.3	10.0	12.7	30.0
1,2-Dichlorobenzene	Ave	0.9309	1.034		11.1	10.0	11.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5290	0.6104		11.5	10.0	15.4	30.0
Hexachlorobutadiene	Ave	0.7281	0.8552		11.7	10.0	17.4	30.0
Naphthalene	Ave	1.110	1.162		10.5	10.0	4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66988-1

SDG No.: _____

Lab Sample ID: ICV 200-188754/24 Calibration Date: 02/23/2023 09:13

Instrument ID: CHG.i Calib Start Date: 02/22/2023 15:59

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/23/2023 08:20

Lab File ID: 200-54458-024.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	1.199	1.473		12.3	10.0	22.8	30.0
Dichlorodifluoromethane	Ave	4.737	5.289		11.2	10.0	11.6	30.0
Freon 22	Ave	2.882	3.383		11.7	10.0	17.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.037	4.568		11.3	10.0	13.1	30.0
Chloromethane	Ave	1.212	1.432		11.8	10.0	18.1	30.0
Vinyl chloride	Ave	1.299	1.434		11.0	10.0	10.4	30.0
n-Butane	Ave	1.831	2.219		12.1	10.0	21.2	30.0
1,3-Butadiene	Ave	0.8778	0.9948		11.3	10.0	13.3	30.0
Bromomethane	Ave	1.135	1.328		11.7	10.0	17.0	30.0
Chloroethane	Ave	0.4133	0.4967		12.0	10.0	20.2	30.0
Isopentane	Ave	1.145	1.427		12.5	10.0	24.6	30.0
Bromoethene (Vinyl Bromide)	Ave	1.066	1.207		11.3	10.0	13.2	30.0
Trichlorofluoromethane	Ave	3.931	4.377		11.1	10.0	11.3	30.0
n-Pentane	Ave	1.901	2.323		12.2	10.0	22.2	30.0
Ethanol	Ave	0.7751	0.5937		11.2	14.7	-23.4	30.0
Ethyl ether	Ave	0.5624	0.6520		11.6	10.0	15.9	30.0
Acrolein	Ave	0.2680	0.3441		12.8	10.0	28.4	30.0
1,1-Dichloroethene	Ave	1.265	1.280		10.1	10.0	1.2	30.0
Freon TF	Ave	2.787	2.982		10.7	10.0	7.0	30.0
Acetone	Ave	1.930	2.296		11.9	10.0	19.0	30.0
Isopropyl alcohol	Ave	2.136	2.453		11.5	10.0	14.8	30.0
Carbon disulfide	Ave	3.425	4.039		11.8	10.0	17.9	30.0
Acetonitrile	Ave	0.6796	0.7983		11.7	10.0	17.5	30.0
3-Chloropropene	Ave	1.586	1.877		11.8	10.0	18.3	30.0
Methylene Chloride	Ave	1.735	1.949		11.2	10.0	12.3	30.0
tert-Butyl alcohol	Ave	2.425	2.796		11.5	10.0	15.3	30.0
Acrylonitrile	Ave	0.5864	0.6739		11.5	10.0	14.9	30.0
trans-1,2-Dichloroethene	Ave	2.105	2.309		11.0	10.0	9.7	30.0
Methyl tert-butyl ether	Ave	2.882	3.270		11.3	10.0	13.5	30.0
n-Hexane	Ave	1.471	1.724		11.7	10.0	17.2	30.0
1,1-Dichloroethane	Ave	2.363	2.501		10.6	10.0	5.9	30.0
Vinyl acetate	Ave	2.758	3.340		12.1	10.0	21.1	30.0
Methyl Ethyl Ketone	Ave	0.4353	0.4628		10.6	10.0	6.3	30.0
cis-1,2-Dichloroethene	Ave	1.186	1.270		10.7	10.0	7.1	30.0
Ethyl acetate	Ave	0.0564	0.0654		11.6	10.0	15.9	30.0
Tetrahydrofuran	Ave	0.2227	0.2718		12.2	10.0	22.1	30.0
Chloroform	Ave	3.298	3.585		10.9	10.0	8.7	30.0
1,1,1-Trichloroethane	Ave	0.6786	0.7362		10.8	10.0	8.5	30.0
Cyclohexane	Ave	0.2598	0.2992		11.5	10.0	15.2	30.0
Carbon tetrachloride	Ave	0.6496	0.7400		11.4	10.0	13.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66988-1

SDG No.: _____

Lab Sample ID: ICV 200-188754/24 Calibration Date: 02/23/2023 09:13

Instrument ID: CHG.i Calib Start Date: 02/22/2023 15:59

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/23/2023 08:20

Lab File ID: 200-54458-024.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	0.7058	0.7582		10.7	10.0	7.4	30.0
1,2-Dichloroethane	Ave	0.4742	0.5063		10.7	10.0	6.8	30.0
2,2,4-Trimethylpentane	Ave	1.218	1.427		11.7	10.0	17.2	30.0
n-Heptane	Ave	0.5527	0.6421		11.6	10.0	16.2	30.0
n-Butanol	Ave	0.1884	0.2325		12.3	10.0	23.4	30.0
Trichloroethene	Ave	0.5071	0.5362		10.6	10.0	5.7	30.0
1,2-Dichloropropane	Ave	0.3071	0.3363		11.0	10.0	9.5	30.0
Methyl methacrylate	Ave	0.2363	0.2791		11.8	10.0	18.1	30.0
1,4-Dioxane	Ave	0.1609	0.1739		10.8	10.0	8.1	30.0
Dibromomethane	Ave	0.3499	0.3772		10.8	10.0	7.8	30.0
Bromodichloromethane	Ave	0.7637	0.8455		11.1	10.0	10.7	30.0
cis-1,3-Dichloropropene	Ave	0.5216	0.5877		11.3	10.0	12.7	30.0
methyl isobutyl ketone	Ave	0.7542	0.9028		12.0	10.0	19.7	30.0
Toluene	Ave	0.5340	0.5893		11.0	10.0	10.3	30.0
n-Octane	Ave	0.7333	0.8713		11.9	10.0	18.8	30.0
trans-1,3-Dichloropropene	Ave	0.4801	0.5360		11.2	10.0	11.6	30.0
1,1,2-Trichloroethane	Ave	0.3159	0.3536		11.2	10.0	11.9	30.0
Tetrachloroethene	Ave	0.5423	0.5760		10.6	10.0	6.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7650	0.9624		12.6	10.0	25.8	30.0
Dibromochloromethane	Ave	0.6751	0.7681		11.4	10.0	13.8	30.0
1,2-Dibromoethane	Ave	0.5444	0.6284		11.5	10.0	15.4	30.0
Chlorobenzene	Ave	0.7342	0.8142		11.1	10.0	10.9	30.0
Ethylbenzene	Ave	1.263	1.368		10.8	10.0	8.3	30.0
m,p-Xylene	Ave	0.4000	0.4609		23.0	20.0	15.2	30.0
n-Nonane	Ave	0.5633	0.6682		11.9	10.0	18.6	30.0
Xylene, o-	Ave	0.4124	0.4530		11.0	10.0	9.8	30.0
Styrene	Ave	0.6196	0.7246		11.7	10.0	16.9	30.0
Bromoform	Ave	0.6259	0.7529		12.0	10.0	20.3	30.0
Cumene	Ave	1.193	1.362		11.4	10.0	14.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7800	0.9020		11.6	10.0	15.6	30.0
1,2,3-Trichloropropane	Ave	0.6741	0.7713		11.4	10.0	14.4	30.0
n-Propylbenzene	Ave	1.510	1.710		11.3	10.0	13.3	30.0
2-Chlorotoluene	Ave	1.035	1.164		11.2	10.0	12.5	30.0
4-Ethyltoluene	Ave	1.152	1.316		11.4	10.0	14.3	30.0
1,3,5-Trimethylbenzene	Ave	0.9816	1.100		11.2	10.0	12.1	30.0
n-Decane	Ave	0.6106	0.6819		11.2	10.0	11.7	30.0
Alpha Methyl Styrene	Ave	0.4293	0.5136		12.0	10.0	19.7	30.0
tert-Butylbenzene	Ave	0.8637	0.9423		10.9	10.0	9.1	30.0
1,2,4-Trimethylbenzene	Ave	1.041	1.125		10.8	10.0	8.0	30.0
sec-Butylbenzene	Ave	1.355	1.485		11.0	10.0	9.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66988-1
 SDG No.: _____
 Lab Sample ID: ICV 200-188754/24 Calibration Date: 02/23/2023 09:13
 Instrument ID: CHG.i Calib Start Date: 02/22/2023 15:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/23/2023 08:20
 Lab File ID: 200-54458-024.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.7049	0.7821		11.1	10.0	11.0	30.0
4-Isopropyltoluene	Ave	1.075	1.175		10.9	10.0	9.3	30.0
1,4-Dichlorobenzene	Ave	0.7263	0.7990		11.0	10.0	10.0	30.0
Benzyl chloride	Ave	1.084	1.322		12.2	10.0	21.9	30.0
n-Butylbenzene	Ave	1.097	1.221		11.1	10.0	11.4	30.0
1,2-Dichlorobenzene	Ave	0.6992	0.7699		11.0	10.0	10.1	30.0
n-Undecane	Ave	0.6186	0.6500		10.5	10.0	5.1	30.0
n-Dodecane	Ave	0.5453	0.5641		10.3	10.0	3.5	30.0
1,2,4-Trichlorobenzene	Ave	0.5543	0.6254		11.3	10.0	12.8	30.0
Hexachlorobutadiene	Ave	0.4857	0.4961		10.2	10.0	2.1	30.0
Naphthalene	Ave	1.264	1.510		11.9	10.0	19.5	30.0
1,2,3-Trichlorobenzene	Ave	0.4727	0.5430		11.5	10.0	14.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66988-1

SDG No.: _____

Lab Sample ID: CCVIS 200-188869/2 Calibration Date: 02/26/2023 11:21

Instrument ID: CHG.i Calib Start Date: 02/22/2023 15:59

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/23/2023 08:20

Lab File ID: 200-54507-002.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	1.199	1.274		10.6	10.0	6.2	30.0
Dichlorodifluoromethane	Ave	4.737	4.616		9.74	10.0	-2.5	30.0
Freon 22	Ave	2.882	3.079		10.7	10.0	6.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.037	3.860		9.56	10.0	-4.4	30.0
Chloromethane	Ave	1.212	1.210		9.98	10.0	-0.2	30.0
n-Butane	Ave	1.831	1.845		10.1	10.0	0.7	30.0
Vinyl chloride	Ave	1.299	1.180		9.09	10.0	-9.1	30.0
1,3-Butadiene	Ave	0.8778	0.8078		9.20	10.0	-8.0	30.0
Bromomethane	Ave	1.135	1.149		10.1	10.0	1.2	30.0
Chloroethane	Ave	0.4133	0.4503		10.9	10.0	9.0	30.0
Isopentane	Ave	1.145	1.292		11.3	10.0	12.9	30.0
Bromoethene (Vinyl Bromide)	Ave	1.066	1.036		9.72	10.0	-2.8	30.0
Trichlorofluoromethane	Ave	3.931	4.006		10.2	10.0	1.9	30.0
n-Pentane	Ave	1.901	1.941		10.2	10.0	2.1	30.0
Ethanol	Ave	0.7751	0.5603		10.8	15.0	-27.7	30.0
Ethyl ether	Ave	0.5624	0.5917		10.5	10.0	5.2	30.0
Acrolein	Ave	0.2680	0.3413		12.7	10.0	27.3	30.0
1,1-Dichloroethene	Ave	1.265	1.016		8.03	10.0	-19.7	30.0
Freon TF	Ave	2.787	2.627		9.42	10.0	-5.8	30.0
Acetone	Ave	1.930	2.317		12.0	10.0	20.1	30.0
Isopropyl alcohol	Ave	2.136	2.281		10.7	10.0	6.8	30.0
Carbon disulfide	Ave	3.425	3.319		9.69	10.0	-3.1	30.0
Acetonitrile	Ave	0.6796	0.7865		11.6	10.0	15.7	30.0
3-Chloropropene	Ave	1.586	1.726		10.9	10.0	8.8	30.0
Methylene Chloride	Ave	1.735	1.826		10.5	10.0	5.3	30.0
tert-Butyl alcohol	Ave	2.425	2.407		9.92	10.0	-0.7	30.0
Acrylonitrile	Ave	0.5864	0.6479		11.0	10.0	10.5	30.0
trans-1,2-Dichloroethene	Ave	2.105	2.040		9.69	10.0	-3.1	30.0
Methyl tert-butyl ether	Ave	2.882	2.932		10.2	10.0	1.7	30.0
n-Hexane	Ave	1.471	1.440		9.79	10.0	-2.1	30.0
1,1-Dichloroethane	Ave	2.363	2.317		9.80	10.0	-1.9	30.0
Vinyl acetate	Ave	2.758	3.247		11.8	10.0	17.7	30.0
Methyl Ethyl Ketone	Ave	0.4353	0.4186		9.62	10.0	-3.8	30.0
cis-1,2-Dichloroethene	Ave	1.186	1.065		8.98	10.0	-10.2	30.0
Ethyl acetate	Ave	0.0564	0.0600		10.6	10.0	6.4	30.0
Tetrahydrofuran	Ave	0.2227	0.2417		10.8	10.0	8.5	30.0
Chloroform	Ave	3.298	3.212		9.74	10.0	-2.6	30.0
1,1,1-Trichloroethane	Ave	0.6786	0.6635		9.78	10.0	-2.2	30.0
Cyclohexane	Ave	0.2598	0.2403		9.25	10.0	-7.5	30.0
Carbon tetrachloride	Ave	0.6496	0.7118		11.0	10.0	9.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66988-1

SDG No.: _____

Lab Sample ID: CCVIS 200-188869/2 Calibration Date: 02/26/2023 11:21

Instrument ID: CHG.i Calib Start Date: 02/22/2023 15:59

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/23/2023 08:20

Lab File ID: 200-54507-002.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	0.7058	0.6835		9.68	10.0	-3.2	30.0
1,2-Dichloroethane	Ave	0.4742	0.5091		10.7	10.0	7.3	30.0
2,2,4-Trimethylpentane	Ave	1.218	1.187		9.75	10.0	-2.5	30.0
n-Heptane	Ave	0.5527	0.5505		9.96	10.0	-0.4	30.0
n-Butanol	Ave	0.1884	0.1796		9.53	10.0	-4.6	30.0
Trichloroethene	Ave	0.5071	0.4332		8.54	10.0	-14.6	30.0
1,2-Dichloropropane	Ave	0.3071	0.3073		10.0	10.0	0.0	30.0
Methyl methacrylate	Ave	0.2363	0.2410		10.2	10.0	2.0	30.0
1,4-Dioxane	Ave	0.1609	0.1485		9.23	10.0	-7.7	30.0
Dibromomethane	Ave	0.3499	0.3223		9.21	10.0	-7.9	30.0
Bromodichloromethane	Ave	0.7637	0.7707		10.1	10.0	0.9	30.0
cis-1,3-Dichloropropene	Ave	0.5216	0.5093		9.76	10.0	-2.3	30.0
methyl isobutyl ketone	Ave	0.7542	0.7430		9.85	10.0	-1.5	30.0
Toluene	Ave	0.5340	0.5197		9.73	10.0	-2.7	30.0
n-Octane	Ave	0.7333	0.7088		9.66	10.0	-3.3	30.0
trans-1,3-Dichloropropene	Ave	0.4801	0.4843		10.1	10.0	0.9	30.0
1,1,2-Trichloroethane	Ave	0.3159	0.3281		10.4	10.0	3.9	30.0
Tetrachloroethene	Ave	0.5423	0.4949		9.13	10.0	-8.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7650	0.8304		10.9	10.0	8.6	30.0
Dibromochloromethane	Ave	0.6751	0.7400		11.0	10.0	9.6	30.0
1,2-Dibromoethane	Ave	0.5444	0.5652		10.4	10.0	3.8	30.0
Chlorobenzene	Ave	0.7342	0.7177		9.77	10.0	-2.3	30.0
Ethylbenzene	Ave	1.263	1.201		9.51	10.0	-4.9	30.0
m,p-Xylene	Ave	0.4000	0.3875		19.4	20.0	-3.1	30.0
n-Nonane	Ave	0.5633	0.5591		9.92	10.0	-0.7	30.0
Xylene, o-	Ave	0.4124	0.3803		9.22	10.0	-7.8	30.0
Styrene	Ave	0.6196	0.6339		10.2	10.0	2.3	30.0
Bromoform	Ave	0.6259	0.6769		10.8	10.0	8.1	30.0
Cumene	Ave	1.193	1.147		9.62	10.0	-3.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7800	0.8056		10.3	10.0	3.3	30.0
1,2,3-Trichloropropane	Ave	0.6741	0.6830		10.1	10.0	1.3	30.0
n-Propylbenzene	Ave	1.510	1.449		9.59	10.0	-4.0	30.0
2-Chlorotoluene	Ave	1.035	0.9706		9.38	10.0	-6.2	30.0
4-Ethyltoluene	Ave	1.152	1.082		9.39	10.0	-6.1	30.0
1,3,5-Trimethylbenzene	Ave	0.9816	0.8916		9.08	10.0	-9.2	30.0
n-Decane	Ave	0.6106	0.5569		9.12	10.0	-8.8	30.0
Alpha Methyl Styrene	Ave	0.4293	0.4098		9.55	10.0	-4.5	30.0
tert-Butylbenzene	Ave	0.8637	0.7395		8.56	10.0	-14.4	30.0
1,2,4-Trimethylbenzene	Ave	1.041	0.8969		8.61	10.0	-13.9	30.0
sec-Butylbenzene	Ave	1.355	1.177		8.69	10.0	-13.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-66988-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-188869/2 Calibration Date: 02/26/2023 11:21
 Instrument ID: CHG.i Calib Start Date: 02/22/2023 15:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/23/2023 08:20
 Lab File ID: 200-54507-002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.7049	0.6154		8.73	10.0	-12.7	30.0
4-Isopropyltoluene	Ave	1.075	0.8939		8.31	10.0	-16.8	30.0
1,4-Dichlorobenzene	Ave	0.7263	0.6203		8.54	10.0	-14.6	30.0
Benzyl chloride	Ave	1.084	1.047		9.66	10.0	-3.4	30.0
n-Butylbenzene	Ave	1.097	0.9498		8.66	10.0	-13.4	30.0
1,2-Dichlorobenzene	Ave	0.6992	0.6026		8.62	10.0	-13.8	30.0
n-Undecane	Ave	0.6186	0.4743		7.67	10.0	-23.3	30.0
n-Dodecane	Ave	0.5453	0.3715		6.81	10.0	-31.9*	30.0
1,2,4-Trichlorobenzene	Ave	0.5543	0.4045		7.30	10.0	-27.0	30.0
Hexachlorobutadiene	Ave	0.4857	0.3514		7.23	10.0	-27.7	30.0
Naphthalene	Ave	1.264	0.9222		7.30	10.0	-27.0	30.0
1,2,3-Trichlorobenzene	Ave	0.4727	0.3183		6.73	10.0	-32.7*	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-66780-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 02/08/2023 14:45Analysis Batch Number: 188264End Date: 02/09/2023 06:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-188264/1		02/08/2023 14:45	1	200-54269-001.D	RTX-624 0.32 (mm)
IC 200-188264/4		02/08/2023 17:19	1	200-54269-004.D	RTX-624 0.32 (mm)
IC 200-188264/5		02/08/2023 18:11	1	200-54269-005.D	RTX-624 0.32 (mm)
IC 200-188264/6		02/08/2023 19:04	1	200-54269-006.D	RTX-624 0.32 (mm)
IC 200-188264/7		02/08/2023 19:56	1	200-54269-007.D	RTX-624 0.32 (mm)
ICIS 200-188264/8		02/08/2023 20:49	1	200-54269-008.D	RTX-624 0.32 (mm)
IC 200-188264/9		02/08/2023 21:41	1	200-54269-009.D	RTX-624 0.32 (mm)
IC 200-188264/12		02/09/2023 00:19	1	200-54269-012.D	RTX-624 0.32 (mm)
IC 200-188264/13		02/09/2023 01:11	1	200-54269-013.D	RTX-624 0.32 (mm)
ZZZZZ		02/09/2023 03:49	1		RTX-624 0.32 (mm)
ICV 200-188264/17		02/09/2023 04:42	1	200-54269-017.D	RTX-624 0.32 (mm)
ZZZZZ		02/09/2023 06:27	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-66780-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 02/11/2023 10:00Analysis Batch Number: 188367End Date: 02/12/2023 08:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-188367/1		02/11/2023 10:00	1	200-54301-001.D	RTX-624 0.32 (mm)
CCVIS 200-188367/2		02/11/2023 10:48	1	200-54301-002.D	RTX-624 0.32 (mm)
LCS 200-188367/4		02/11/2023 12:33	1	200-54301-004.D	RTX-624 0.32 (mm)
MB 200-188367/5		02/11/2023 14:58	1	200-54301-005a.D	RTX-624 0.32 (mm)
200-66780-8	5456	02/11/2023 15:51	0.2	200-54301-006.D	RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 16:43	6		RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 17:36	1		RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 18:28	1		RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 19:21	1		RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 20:14	1		RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 21:07	1		RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 22:00	1		RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 22:53	1		RTX-624 0.32 (mm)
ZZZZZ		02/11/2023 23:46	1		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 00:39	1		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 01:32	1		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 02:25	4		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 03:18	20		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 04:11	1		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 05:04	2		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 05:57	1		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 06:50	1		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 07:43	1		RTX-624 0.32 (mm)
ZZZZZ		02/12/2023 08:35	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-66921-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 01/31/2023 14:27Analysis Batch Number: 187989End Date: 02/01/2023 06:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-187989/1		01/31/2023 14:27	1	54170-001.d	RTX-624 0.32 (mm)
IC 200-187989/4		01/31/2023 17:02	1	54170-004.d	RTX-624 0.32 (mm)
IC 200-187989/5		01/31/2023 17:54	1	54170-005.d	RTX-624 0.32 (mm)
IC 200-187989/6		01/31/2023 18:46	1	54170-006.d	RTX-624 0.32 (mm)
IC 200-187989/7		01/31/2023 19:38	1	54170-007.d	RTX-624 0.32 (mm)
ICIS 200-187989/8		01/31/2023 20:30	1	54170-008.d	RTX-624 0.32 (mm)
IC 200-187989/9		01/31/2023 21:21	1	54170-009.d	RTX-624 0.32 (mm)
IC 200-187989/12		01/31/2023 23:57	1	54170-012.d	RTX-624 0.32 (mm)
IC 200-187989/13		02/01/2023 00:48	1	54170-013.d	RTX-624 0.32 (mm)
ICV 200-187989/16		02/01/2023 03:25	1	54170-016.d	RTX-624 0.32 (mm)
ZZZZZ		02/01/2023 06:53	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-66921-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 02/23/2023 07:21Analysis Batch Number: 188785End Date: 02/24/2023 05:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-188785/1		02/23/2023 07:21	1	54466-001.d	RTX-624 0.32 (mm)
CCVIS 200-188785/3		02/23/2023 09:05	1	54466-003.d	RTX-624 0.32 (mm)
LCS 200-188785/4		02/23/2023 09:57	1	54466-004.d	RTX-624 0.32 (mm)
MB 200-188785/5		02/23/2023 10:50	1	54466-005.d	RTX-624 0.32 (mm)
200-66921-4	3164	02/23/2023 11:55	0.2	54466-006.d	RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 12:48	1		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 13:41	10		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 14:33	10		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 15:26	10		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 16:19	10		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 17:12	10		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 18:04	1		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 18:57	1		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 19:49	1		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 20:42	1		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 21:34	1		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 22:26	10		RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 23:19	10		RTX-624 0.32 (mm)
ZZZZZ		02/24/2023 00:11	10		RTX-624 0.32 (mm)
ZZZZZ		02/24/2023 01:04	10		RTX-624 0.32 (mm)
ZZZZZ		02/24/2023 01:56	10		RTX-624 0.32 (mm)
ZZZZZ		02/24/2023 02:49	1		RTX-624 0.32 (mm)
ZZZZZ		02/24/2023 03:41	1		RTX-624 0.32 (mm)
ZZZZZ		02/24/2023 04:33	1		RTX-624 0.32 (mm)
ZZZZZ		02/24/2023 05:26	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-66988-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 02/22/2023 13:22Analysis Batch Number: 188754End Date: 02/23/2023 09:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-188754/1		02/22/2023 13:22	1	200-54458-001.D	RTX-624 0.32 (mm)
IC 200-188754/4		02/22/2023 15:59	1	200-54458-004.D	RTX-624 0.32 (mm)
IC 200-188754/5		02/22/2023 16:52	1	200-54458-005.D	RTX-624 0.32 (mm)
IC 200-188754/6		02/22/2023 17:44	1	200-54458-006.D	RTX-624 0.32 (mm)
IC 200-188754/7		02/22/2023 18:37	1	200-54458-007.D	RTX-624 0.32 (mm)
ICIS 200-188754/8		02/22/2023 19:30	1	200-54458-008.D	RTX-624 0.32 (mm)
IC 200-188754/9		02/22/2023 20:22	1	200-54458-009.D	RTX-624 0.32 (mm)
IC 200-188754/12		02/22/2023 23:01	1	200-54458-012.D	RTX-624 0.32 (mm)
ZZZZZ		02/23/2023 05:10	1		RTX-624 0.32 (mm)
IC 200-188754/21		02/23/2023 07:28	1	200-54458-021.D	RTX-624 0.32 (mm)
ICV 200-188754/24		02/23/2023 09:13	1	200-54458-024.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-66988-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 02/26/2023 10:33Analysis Batch Number: 188869End Date: 02/26/2023 20:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-188869/1		02/26/2023 10:33	1	200-54507-001.D	RTX-624 0.32 (mm)
CCVIS 200-188869/2		02/26/2023 11:21	1	200-54507-002.D	RTX-624 0.32 (mm)
LCS 200-188869/3		02/26/2023 12:14	1	200-54507-003.D	RTX-624 0.32 (mm)
ZZZZZ		02/26/2023 13:07	1		RTX-624 0.32 (mm)
MB 200-188869/5		02/26/2023 13:59	1	200-54507-005.D	RTX-624 0.32 (mm)
200-66988-7	4951	02/26/2023 14:52	1	200-54507-006.D	RTX-624 0.32 (mm)
ZZZZZ		02/26/2023 15:44	10		RTX-624 0.32 (mm)
ZZZZZ		02/26/2023 16:37	10		RTX-624 0.32 (mm)
ZZZZZ		02/26/2023 17:29	10		RTX-624 0.32 (mm)
ZZZZZ		02/26/2023 18:21	1		RTX-624 0.32 (mm)
ZZZZZ		02/26/2023 19:14	1		RTX-624 0.32 (mm)
ZZZZZ		02/26/2023 20:06	5		RTX-624 0.32 (mm)
ZZZZZ		02/26/2023 20:58	5		RTX-624 0.32 (mm)

Shipping and Receiving Documents

Eurofins TestAmerica, Burlington

530 Community Drive

Suite 11

South Burlington, VT 05403-6809

phone 802.660 1990 fax 802 660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples

Environment Testing
America

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

Client Contact Information		Client Project Manager: Donald Moore		Samples Collected By: M. George, J. Nail, J. Walsh		COC No: 1 of 2 COCs																	
Company Name: Stantec		Phone: 603-206-7561				TALS Project #:																	
Address: 5 Dartmouth Dr. Ste 200		Email: Donald.moore@stantec.com				For Lab Use Only:																	
City/State/Zip: Auburn, NH 03033						Walk-in Client:																	
Phone: 603-669-8672		Site Contact:				Lab Sampling:																	
FAX:		Tel/Fax:																					
Project Name: White Stone		Analysis Turnaround Time:				Job / SDG No:																	
Site/Location: White Stone, NY		Standard (Specific):				(See below for Add'l Items)																	
P O # MSA# 40411		Rush (Specify): 5-Day																					
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:
BANK-1	3-2-23	0811	3-2-23	1518	-27	-5	6023	3212	X								X						
BANK-2		0817		1445	-25	-5	3951	3658	X								X						
CLEANER-1		1018		1548	-30	-4	5834	5426	X								X						
CLEANER-2		1016		1743	-30	-9	3376	3282	X								X						
CLEANER-3		1024		1743	-29	-6	7496	5603	X								X						
AMBIENT		1020		1549	-29	-2.5	5175	5434	X								X						
SG-12		1035		1040	-29	-10	6369	34000863	X									X					
VMP-2R		1222		1227	-26	-5	7449	340002473	X									X					
SG-6		0856		0901	-29	-6	8647	8323	X									X					
SG-4		0931		0936	-5	-5	6039	4964	X									X					Broken Gauge X
		Temperature (Fahrenheit)																					
		Start	Interior	68	Ambient	→	41°F																
		Stop		68		→	51°F																
		Pressure (inches of Hg)																					
		Start	Interior	29.61	Ambient	→	29.61																
		Stop		29.60		→	29.61																
Special Instructions/QC Requirements & Comments: Sample ID "SG-4" gauge failure, stuck @ -5 in Hg. Timed 5-minute grab																							
Samples Shipped by:		Date / Time:		Samples Received by:																			
Samples Relinquished by: Matt George		Date / Time: 3/3/23 1200		Received by: [Signature]																			
Relinquished by: [Signature]		Date / Time: 3/3/23 14:25		Received by: [Signature]																			
Lab Use Only: Shipper Name:		Opened by:		Condition:																			

Form No. CA-C-WI-063, Rev. 2.28, dated 1/8/2021

PM
3/1/2023 4:48

phone 802 660 1990 fax 802.660.1919

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

[illegible]

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

2023 4:48

789-9018
SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTING NE
646 CAMP AVENUE

SHIP DATE: 03MAR23
ACTWGT: 50.00 LB
CAD: 108821262/INET4580

NORTH KINGSTOWN, RI 02852
UNITED STATES

BILL RECIPIENT

TO SAMPLE RECEIVING
TEST AMERICA - BURLINGTON, VT
30 COMMUNITY DR
STE 11

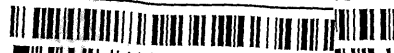
SOUTH BURLINGTON VT 05403

(802) 660-1990

REF WORKSHARE 33

INV
PO

DEPT



FedEx
Express



ORIGIN ID: NCOA (413) 789-9018
SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTING NE
646 CAMP AVENUE

ACTWGT: 50.00 LB
CAD: 108821262/INET4580

NORTH KINGSTOWN, RI 02852
UNITED STATES US

BILL RECIPIENT

1 of 2
TRK# 7714 7020 2637
0201
MASTER

X0 BTVA

VT-



TO SAMPLE RECEIVING
TEST AMERICA - BURLINGTON, VT
30 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 05403

(802) 660-1990

REF WORKSHARE 33

INV
PO

DEPT



FedEx
Express



J23102011010W

SATURDAY 12:00P
PRIORITY OVERNIGHT

MPS# 7714 7020 3390

0263

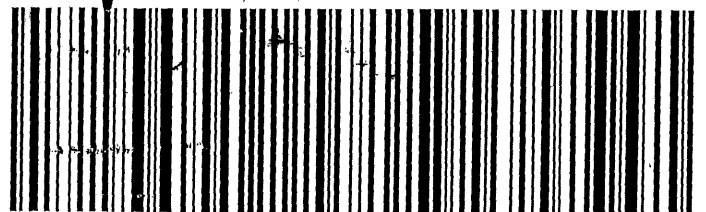
Mstr# 7714 7020 2637

0201

X0 BTVA

05403

VT-US BTV



Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 200-67137-1

SDG Number: 200-67137

Login Number: 67137

List Source: Eurofins Burlington

List Number: 1

Creator: Khudaier, Zahraa

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.	N/A	Not present
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	

ATTACHMENT C

**Data Usability Summary Report: Laboratory Report:
March 2023 Vapor Intrusion Sampling Event**

Stantec Analytical Validation DUSR**Report No. 041823-EC-01**

Project Name: Whitestone	Project Number: 191711695		
Stantec Validator: Elizabeth Crowley	Laboratory: eurofins – South Burlington, VT		
Date Validated: 04/17/23	Laboratory Project Number: 200-67137-1		
Sample End Date: 03/02/23	Laboratory Report Date: 03/21/23		
Parameters Validated: Volatile Organic Compounds (VOC) by EPA TO-15			
Associated Chain(s) of Custody – no numbers.			
Samples Validated – 13 indoor air and soil vapor field samples			
VALIDATION CRITERIA CHECK			
Validation Flags Applicable to this Review:			
U	The analyte was analyzed for, but not detected above the reported sample quantitation limit.		
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.		
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.		
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.		
N	The analysis indicates the tentative presence of a non-target/method specified analyte.		
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.		
B	The analyte was detected in the method, field and/or trip blank.		
1.	Were all the analyses requested for the samples submitted with each COC completed by the lab?	Yes X	No
Comments:			
2.	Did the laboratory identify any non-conformances related to the analytical result?	Yes X	No
Comments: Case narrative reports matrix issues, dilutions, and minor analytical problems.			
3.	Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:			
4.	Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments:			
5.	Were sample holding times met?	Yes X	No
Comments:			
6.	Were correct concentration units reported?	Yes X	No
Comments:			
7.	Were detections found in laboratory blank samples?	Yes	No X
Comments:			

8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?	NA	Yes	No
Comments: No blank sample submitted.			
9. Were instrument calibrations within method criteria?		Yes X	No
Comments:			
10. Were surrogate recoveries within control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within control limits?	NA	Yes	No
Comments: No matrix sample data reported for air samples.			
13. Were RPDs within control limits?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comment: Dilution required due to target analyte concentration. No qualifying action required.			
15. Were Tentatively Identified Compounds (TIC) present?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "NJ". Reason Code – SQL Analytes were detected in the samples which are not specified by the method or project. Associated results flagged "N". Reason Code – NTC			
16. Were organic system performance criteria met?		Yes X	No
Comments:			
17. Were GC/MS internal standards within method criteria?		Yes X	No
Comments:			
18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic analyses requested.			

19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results.		Yes	No
			X
Duplicate Sample No.	Primary Sample No.		
Comments:			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?		Yes	No
		X	
			Initials EAC
Comments:			
21. Other: A). Chromatogram/ion absorbance ratio issues		Yes	No
B). Sampling issues		X	
C). Validation Level			
Comments: A). The chromatogram is questionable and/or ion ratio are out of limits for Trichlorotrifluoroethane for samples Bank 1 and Cleaner 1. Associated sample results flagged "J". Reason Code – ID			
B). Sample SG-4 is a 5 minute, grab sample due to equipment issues.			
C). Validation level – All samples validated Tier 3.			
PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT			
Precision:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments: Greater than 90%, no data rejected			

ATTACHMENT D

**Laboratory Report: February 2024 Vapor Intrusion Sampling
Event**



ANALYTICAL REPORT

Lab Number:	L2408362
Client:	Stantec 5 Dartmouth Drive Suite 200 Auburn, NH 03032
ATTN:	Don Moore
Phone:	(603) 669-8672
Project Name:	WHITESTONE
Project Number:	191711695
Report Date:	03/06/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110), NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: WHITESTONE
Project Number: 191711695

Lab Number: L2408362
Report Date: 03/06/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2408362-01	BANK-1	AIR	WHITESTONE, NY	02/14/24 15:35	02/15/24
L2408362-02	BANK-2	AIR	WHITESTONE, NY	02/14/24 15:38	02/15/24
L2408362-03	CLEANER-1	AIR	WHITESTONE, NY	02/14/24 16:48	02/15/24
L2408362-04	CLEANER-2	AIR	WHITESTONE, NY	02/14/24 16:51	02/15/24
L2408362-05	CLEANER-3	AIR	WHITESTONE, NY	02/14/24 16:52	02/15/24
L2408362-06	AMBIENT	AIR	WHITESTONE, NY	02/14/24 16:03	02/15/24
L2408362-07	SG-4	SOIL_VAPOR	WHITESTONE, NY	02/14/24 08:42	02/15/24
L2408362-08	SG-12	SOIL_VAPOR	WHITESTONE, NY	02/14/24 09:05	02/15/24
L2408362-09	SG-11	SOIL_VAPOR	WHITESTONE, NY	02/14/24 10:21	02/15/24
L2408362-10	SG-6	SOIL_VAPOR	WHITESTONE, NY	02/14/24 10:56	02/15/24
L2408362-11	VMP-4R	SOIL_VAPOR	WHITESTONE, NY	02/14/24 12:17	02/15/24
L2408362-12	VMP-3R	SOIL_VAPOR	WHITESTONE, NY	02/14/24 12:36	02/15/24
L2408362-13	VMP-2R	SOIL_VAPOR	WHITESTONE, NY	02/14/24 13:11	02/15/24

Project Name: WHITESTONE
Project Number: 191711695

Lab Number: L2408362
Report Date: 03/06/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: WHITESTONE
Project Number: 191711695

Lab Number: L2408362
Report Date: 03/06/24

Case Narrative (continued)

Report Submission

March 06, 2024: This final report includes the results of all requested analyses.

Report Submission

March 04, 2024: This is a preliminary report. The data is final with the exception of the results for Isopropyl alcohol which needed a follow up dilution analysis.

Volatile Organics in Air

Canisters were released from the laboratory on January 26, 2024. The canister certification data is provided as an addendum.

L2408362-01: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2408362-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2408362-02: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2408362-07D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s)

Project Name: WHITESTONE
Project Number: 191711695

Lab Number: L2408362
Report Date: 03/06/24

Case Narrative (continued)

that exceeded the calibration range.

L2408362-10D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2408362-10D2: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/06/24

AIR

Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-01
 Client ID: BANK-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:35
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/29/24 21:01
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.674	0.200	--	3.33	0.989	--		1
Chloromethane	0.583	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	183	5.00	--	345	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.0	1.00	--	61.8	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	2480	0.500	--	6100	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-01
 Client ID: BANK-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:35
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.203	0.200	--	0.765	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-01
 Client ID: BANK-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:35
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.302	0.200	--	1.82	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	105		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-01
 Client ID: BANK-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:35
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/29/24 21:01
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.126	0.020	--	0.793	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	102		60-140



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-01 D
 Client ID: BANK-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:35
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 03/05/24 10:52

Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	6260	13.4	--	15400	32.9	--		26.74

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-02
 Client ID: BANK-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:38
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/29/24 21:33
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.565	0.200	--	2.79	0.989	--		1
Chloromethane	0.572	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	125	5.00	--	236	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	24.6	1.00	--	58.4	2.38	--		1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
Isopropanol	1880	0.500	--	4620	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-02
 Client ID: BANK-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:38
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-02
 Client ID: BANK-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:38
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	1.00	0.200	--	6.01	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	104		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-02
 Client ID: BANK-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:38
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/29/24 21:33
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.020	0.020	--	0.136	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-02 D
 Client ID: BANK-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 15:38
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 03/01/24 10:12

Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	3710	15.8	--	9120	38.8	--		31.69

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-03
 Client ID: CLEANER-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:48
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/29/24 22:04
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.479	0.200	--	2.37	0.989	--		1
Chloromethane	0.567	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	25.6	5.00	--	48.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.38	1.00	--	5.65	2.38	--		1
Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--		1
Isopropanol	8.31	0.500	--	20.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.04	0.500	--	3.61	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-03
 Client ID: CLEANER-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:48
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-03
 Client ID: CLEANER-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:48
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	102		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-03
 Client ID: CLEANER-1
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:48
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/29/24 22:04
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	100		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-04
 Client ID: CLEANER-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:51
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/29/24 22:37
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.452	0.200	--	2.24	0.989	--		1
Chloromethane	0.590	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	308	5.00	--	580	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.86	1.00	--	21.0	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	6.69	0.500	--	16.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-04
 Client ID: CLEANER-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:51
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.686	0.200	--	2.81	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-04
 Client ID: CLEANER-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:51
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	101		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-04
 Client ID: CLEANER-2
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:51
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/29/24 22:37
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	99		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-05
 Client ID: CLEANER-3
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:52
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/29/24 23:09
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.452	0.200	--	2.24	0.989	--		1
Chloromethane	0.595	0.200	--	1.23	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	368	5.00	--	693	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.65	1.00	--	18.2	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	6.27	0.500	--	15.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-05
 Client ID: CLEANER-3
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:52
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.641	0.200	--	2.63	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-05
 Client ID: CLEANER-3
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:52
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-05
 Client ID: CLEANER-3
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:52
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/29/24 23:09
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	97		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-06
 Client ID: AMBIENT
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:03
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/29/24 17:47
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.425	0.200	--	2.10	0.989	--		1
Chloromethane	0.555	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.09	1.00	--	4.96	2.38	--		1
Trichlorofluoromethane	0.230	0.200	--	1.29	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-06
 Client ID: AMBIENT
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:03
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-06
 Client ID: AMBIENT
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:03
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-06
 Client ID: AMBIENT
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 16:03
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/29/24 17:47
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	96		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-07
 Client ID: SG-4
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 08:42
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/24 00:09
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.586	0.200	--	2.90	0.989	--		1
Chloromethane	0.260	0.200	--	0.537	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	80.9	5.00	--	152	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	147	1.00	--	349	2.38	--		1
Trichlorofluoromethane	0.276	0.200	--	1.55	1.12	--		1
Isopropanol	484	0.500	--	1190	1.23	--	E	1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.38	0.500	--	4.18	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	6.09	0.200	--	19.0	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.08	0.500	--	6.13	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-07
 Client ID: SG-4
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 08:42
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.243	0.200	--	1.19	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.290	0.200	--	0.926	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.703	0.200	--	2.65	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.890	0.200	--	6.04	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.336	0.200	--	1.46	0.869	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-07
 Client ID: SG-4
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 08:42
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.720	0.400	--	3.13	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.282	0.200	--	1.22	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.267	0.200	--	1.31	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.555	0.200	--	3.34	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	93		60-140



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-07 D
 Client ID: SG-4
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 08:42
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 03/04/24 07:37

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	465	2.50	--	1140	6.15	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-08
 Client ID: SG-12
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 09:05
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/24 00:48
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--		1
Chloromethane	0.218	0.200	--	0.450	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	19.5	5.00	--	36.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	97.8	1.00	--	232	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	232	0.500	--	570	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.538	0.500	--	1.63	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.26	0.200	--	7.04	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.898	0.500	--	2.65	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-08
 Client ID: SG-12
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 09:05
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.389	0.200	--	1.47	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-08
 Client ID: SG-12
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 09:05
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-09
 Client ID: SG-11
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 10:21
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/24 01:27
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	12.1	0.200	--	59.8	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.69	5.00	--	12.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	39.4	1.00	--	93.6	2.38	--		1
Trichlorofluoromethane	0.552	0.200	--	3.10	1.12	--		1
Isopropanol	49.8	0.500	--	122	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.16	0.500	--	3.52	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.672	0.200	--	2.09	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.14	0.500	--	3.36	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-09
 Client ID: SG-11
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 10:21
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.426	0.200	--	1.61	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.213	0.200	--	1.44	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.232	0.200	--	1.01	0.869	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-09
 Client ID: SG-11
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 10:21
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.449	0.400	--	1.95	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.219	0.200	--	1.08	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-10 D
 Client ID: SG-6
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 10:56
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/24 02:03
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	38.8	25.0	--	73.1	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	393	5.00	--	934	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	1410	2.50	--	3470	6.15	--	E	5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	ND	2.50	--	ND	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-10 D
 Client ID: SG-6
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 10:56
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	1.95	1.00	--	6.71	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	ND	1.00	--	ND	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	4.95	1.00	--	33.6	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-10 D
 Client ID: SG-6
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 10:56
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-10 D2

Client ID: SG-6

Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 10:56

Date Received: 02/15/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 03/04/24 08:15

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	2490	6.25	--	6120	15.4	--		12.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	76		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-11
 Client ID: VMP-4R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 12:17
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/24 02:43
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.634	0.200	--	3.13	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.29	1.00	--	14.9	2.38	--		1
Trichlorofluoromethane	0.290	0.200	--	1.63	1.12	--		1
Isopropanol	8.64	0.500	--	21.2	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.570	0.500	--	1.73	1.52	--		1
Methylene chloride	3.72	0.500	--	12.9	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.202	0.200	--	0.629	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-11
 Client ID: VMP-4R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 12:17
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.214	0.200	--	1.15	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	16.4	0.200	--	111	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-11
 Client ID: VMP-4R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 12:17
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	84		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-12
 Client ID: VMP-3R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 12:36
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/24 03:22
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.575	0.200	--	2.84	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.62	5.00	--	18.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.4	1.00	--	27.1	2.38	--		1
Trichlorofluoromethane	0.278	0.200	--	1.56	1.12	--		1
Isopropanol	5.13	0.500	--	12.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.941	0.500	--	2.85	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.237	0.200	--	0.738	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.08	0.500	--	3.19	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-12
 Client ID: VMP-3R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 12:36
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.242	0.200	--	0.912	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	7.47	0.200	--	50.7	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-12
 Client ID: VMP-3R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 12:36
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140



Project Name: WHITESTONE**Project Number:** 191711695**Lab Number:** L2408362**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-13
 Client ID: VMP-2R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 13:11
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/24 04:01
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.554	0.200	--	2.74	0.989	--		1
Chloromethane	0.428	0.200	--	0.884	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	20.5	5.00	--	38.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.93	1.00	--	16.5	2.38	--		1
Trichlorofluoromethane	0.266	0.200	--	1.49	1.12	--		1
Isopropanol	2.14	0.500	--	5.26	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.88	0.500	--	6.53	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.729	0.500	--	2.15	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-13
 Client ID: VMP-2R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 13:11
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.31	0.500	--	8.32	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.07	0.500	--	6.11	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.376	0.200	--	1.20	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.669	0.200	--	2.52	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.875	0.200	--	5.93	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**SAMPLE RESULTS**

Lab ID: L2408362-13
 Client ID: VMP-2R
 Sample Location: WHITESTONE, NY

Date Collected: 02/14/24 13:11
 Date Received: 02/15/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/29/24 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1890831-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/29/24 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1890831-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/29/24 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1890831-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 02/29/24 15:19

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1890832-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/03/24 13:46

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 07-13 Batch: WG1891667-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/03/24 13:46

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 07-13 Batch: WG1891667-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/03/24 13:46

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 07-13 Batch: WG1891667-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/04/24 21:07

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1892312-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/04/24 21:07

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1892312-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: WHITESTONE

Lab Number: L2408362

Project Number: 191711695

Report Date: 03/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/04/24 21:07

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1892312-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Lab Control Sample Analysis

Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1890831-3								
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	96		-		70-130	-		
Freon-114	110		-		70-130	-		
Vinyl chloride	102		-		70-130	-		
1,3-Butadiene	116		-		70-130	-		
Bromomethane	103		-		70-130	-		
Chloroethane	109		-		70-130	-		
Ethanol	93		-		40-160	-		
Vinyl bromide	106		-		70-130	-		
Acetone	109		-		40-160	-		
Trichlorofluoromethane	102		-		70-130	-		
Isopropanol	101		-		40-160	-		
1,1-Dichloroethene	108		-		70-130	-		
Tertiary butyl Alcohol	104		-		70-130	-		
Methylene chloride	92		-		70-130	-		
3-Chloropropene	107		-		70-130	-		
Carbon disulfide	91		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	99		-		70-130	-		
1,1-Dichloroethane	94		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1890831-3								
Ethyl Acetate	107		-		70-130	-		
Chloroform	97		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
n-Hexane	116		-		70-130	-		
1,1,1-Trichloroethane	105		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	111		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	120		-		70-130	-		
1,4-Dioxane	112		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	117		-		70-130	-		
Heptane	119		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	122		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	84		-		70-130	-		
2-Hexanone	95		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	83		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1890831-3								
Tetrachloroethene	82		-		70-130	-		
Chlorobenzene	85		-		70-130	-		
Ethylbenzene	84		-		70-130	-		
p/m-Xylene	88		-		70-130	-		
Bromoform	93		-		70-130	-		
Styrene	83		-		70-130	-		
1,1,2,2-Tetrachloroethane	92		-		70-130	-		
o-Xylene	92		-		70-130	-		
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
1,2,4-Trimethylbenzene	93		-		70-130	-		
Benzyl chloride	96		-		70-130	-		
1,3-Dichlorobenzene	82		-		70-130	-		
1,4-Dichlorobenzene	84		-		70-130	-		
1,2-Dichlorobenzene	82		-		70-130	-		
1,2,4-Trichlorobenzene	74		-		70-130	-		
Hexachlorobutadiene	79		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1890832-3								
Vinyl chloride	94		-		70-130	-		25
1,1-Dichloroethene	105		-		70-130	-		25
cis-1,2-Dichloroethene	92		-		70-130	-		25
1,1,1-Trichloroethane	105		-		70-130	-		25
Carbon tetrachloride	98		-		70-130	-		25
Trichloroethene	90		-		70-130	-		25
Tetrachloroethene	80		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-13 Batch: WG1891667-3								
Dichlorodifluoromethane	108		-		70-130	-		
Chloromethane	83		-		70-130	-		
Freon-114	105		-		70-130	-		
Vinyl chloride	102		-		70-130	-		
1,3-Butadiene	90		-		70-130	-		
Bromomethane	109		-		70-130	-		
Chloroethane	109		-		70-130	-		
Ethanol	104		-		40-160	-		
Vinyl bromide	104		-		70-130	-		
Acetone	101		-		40-160	-		
Trichlorofluoromethane	126		-		70-130	-		
Isopropanol	79		-		40-160	-		
1,1-Dichloroethene	122		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	112		-		70-130	-		
3-Chloropropene	100		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
Freon-113	110		-		70-130	-		
trans-1,2-Dichloroethene	109		-		70-130	-		
1,1-Dichloroethane	108		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-13 Batch: WG1891667-3								
Ethyl Acetate	112		-		70-130	-		
Chloroform	116		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
1,2-Dichloroethane	120		-		70-130	-		
n-Hexane	107		-		70-130	-		
1,1,1-Trichloroethane	110		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	122		-		70-130	-		
Cyclohexane	105		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	123		-		70-130	-		
1,4-Dioxane	105		-		70-130	-		
Trichloroethene	108		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	95		-		70-130	-		
cis-1,3-Dichloropropene	91		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	83		-		70-130	-		
Dibromochloromethane	126		-		70-130	-		
1,2-Dibromoethane	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-13 Batch: WG1891667-3								
Tetrachloroethene	97		-		70-130	-		
Chlorobenzene	93		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	130		-		70-130	-		
Styrene	88		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	99		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	94		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	82		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1892312-3								
Dichlorodifluoromethane	78		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	98		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	104		-		70-130	-		
Bromomethane	102		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethanol	116		-		40-160	-		
Vinyl bromide	90		-		70-130	-		
Acetone	82		-		40-160	-		
Trichlorofluoromethane	83		-		70-130	-		
Isopropanol	81		-		40-160	-		
1,1-Dichloroethene	95		-		70-130	-		
Tertiary butyl Alcohol	98		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1892312-3								
Ethyl Acetate	110		-		70-130	-		
Chloroform	95		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	81		-		70-130	-		
n-Hexane	111		-		70-130	-		
1,1,1-Trichloroethane	92		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	93		-		70-130	-		
Cyclohexane	110		-		70-130	-		
1,2-Dichloropropane	103		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	115		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	105		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		
trans-1,3-Dichloropropene	102		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	103		-		70-130	-		
2-Hexanone	107		-		70-130	-		
Dibromochloromethane	121		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WHITESTONE

Project Number: 191711695

Lab Number: L2408362

Report Date: 03/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1892312-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	104		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	132	Q	-		70-130	-		
Styrene	105		-		70-130	-		
1,1,2,2-Tetrachloroethane	114		-		70-130	-		
o-Xylene	108		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	109		-		70-130	-		
Benzyl chloride	125		-		70-130	-		
1,3-Dichlorobenzene	117		-		70-130	-		
1,4-Dichlorobenzene	112		-		70-130	-		
1,2-Dichlorobenzene	110		-		70-130	-		
1,2,4-Trichlorobenzene	119		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Project Name: WHITESTONE

Project Number: 191711695

Serial_No:03062411:55
Lab Number: L2408362

Report Date: 03/06/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2408362-01	BANK-1	01508	Flow 4	01/26/24	451250		-	-	-	Pass	10.1	9.8	3
L2408362-01	BANK-1	1788	6.0L Can	01/26/24	451250	L2403455-03	Pass	-30.0	-6.1	-	-	-	-
L2408362-02	BANK-2	01944	Flow 4	01/26/24	451250		-	-	-	Pass	10.0	9.9	1
L2408362-02	BANK-2	2772	6.0L Can	01/26/24	451250	L2403455-03	Pass	-30.0	-6.4	-	-	-	-
L2408362-03	CLEANER-1	01501	Flow 5	01/26/24	451250		-	-	-	Pass	10.0	10.6	6
L2408362-03	CLEANER-1	1583	6.0L Can	01/26/24	451250	L2403455-03	Pass	-30.0	-3.5	-	-	-	-
L2408362-04	CLEANER-2	0637	Flow 4	01/26/24	451250		-	-	-	Pass	10.0	10.0	0
L2408362-04	CLEANER-2	2783	6.0L Can	01/26/24	451250	L2403610-05	Pass	-29.9	-6.6	-	-	-	-
L2408362-05	CLEANER-3	02247	Flow 4	01/26/24	451250		-	-	-	Pass	10.0	9.9	1
L2408362-05	CLEANER-3	2646	6.0L Can	01/26/24	451250	L2403610-05	Pass	-30.0	-6.0	-	-	-	-
L2408362-06	AMBIENT	01585	Flow 4	01/26/24	451250		-	-	-	Pass	10.0	10.4	4
L2408362-06	AMBIENT	2933	6.0L Can	01/26/24	451250	L2403455-03	Pass	-30.0	-2.6	-	-	-	-
L2408362-07	SG-4	01907	SV200	01/26/24	451250		-	-	-	Pass	215	210	2
L2408362-07	SG-4	3220	2.7L Can	01/26/24	451250	L2403610-06	Pass	-29.9	-4.3	-	-	-	-
L2408362-08	SG-12	02035	SV200	01/26/24	451250		-	-	-	Pass	218	215	1

Project Name: WHITESTONE

Project Number: 191711695

Serial_No:03062411:55
Lab Number: L2408362

Report Date: 03/06/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2408362-08	SG-12	3739	2.7L Can	01/26/24	451250	L2403610-06	Pass	-30.0	-3.4	-	-	-	-
L2408362-09	SG-11	02510	SV200	01/26/24	451250		-	-	-	Pass	218	216	1
L2408362-09	SG-11	3451	2.7L Can	01/26/24	451250	L2403610-06	Pass	-29.9	-4.2	-	-	-	-
L2408362-10	SG-6	02455	SV200	01/26/24	451250		-	-	-	Pass	225	219	3
L2408362-10	SG-6	2796	2.7L Can	01/26/24	451250	L2403610-06	Pass	-29.9	-4.4	-	-	-	-
L2408362-11	VMP-4R	01230	SV200	01/26/24	451250		-	-	-	Pass	215	212	1
L2408362-11	VMP-4R	262	2.7L Can	01/26/24	451250	L2403610-06	Pass	-29.9	-2.9	-	-	-	-
L2408362-12	VMP-3R	02472	SV200	01/26/24	451250		-	-	-	Pass	218	216	1
L2408362-12	VMP-3R	3735	2.7L Can	01/26/24	451250	L2403610-06	Pass	-30.0	-3.4	-	-	-	-
L2408362-13	VMP-2R	0863	SV200	01/26/24	451250		-	-	-	Pass	215	211	2
L2408362-13	VMP-2R	2244	2.7L Can	01/26/24	451250	L2403610-06	Pass	-29.7	-1.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403455
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403455-03
Client ID: CAN 3624 SHELF 36
Sample Location:

Date Collected: 01/19/24 17:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/22/24 20:59
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403455
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403455-03
Client ID: CAN 3624 SHELF 36
Sample Location:

Date Collected: 01/19/24 17:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403455
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403455-03
Client ID: CAN 3624 SHELF 36
Sample Location:

Date Collected: 01/19/24 17:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2403455**Project Number:** CANISTER QC BAT**Report Date:** 03/06/24**Air Canister Certification Results**

Lab ID: L2403455-03

Date Collected: 01/19/24 17:00

Client ID: CAN 3624 SHELF 36

Date Received: 01/22/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2403455**Project Number:** CANISTER QC BAT**Report Date:** 03/06/24**Air Canister Certification Results**

Lab ID: L2403455-03

Date Collected: 01/19/24 17:00

Client ID: CAN 3624 SHELF 36

Date Received: 01/22/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403455
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403455-03
Client ID: CAN 3624 SHELF 36
Sample Location:

Date Collected: 01/19/24 17:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/22/24 20:59
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403455
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403455-03
Client ID: CAN 3624 SHELF 36
Sample Location:

Date Collected: 01/19/24 17:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2403455**Project Number:** CANISTER QC BAT**Report Date:** 03/06/24**Air Canister Certification Results**

Lab ID: L2403455-03

Date Collected: 01/19/24 17:00

Client ID: CAN 3624 SHELF 36

Date Received: 01/22/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	91		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-05
Client ID: CAN 2261 SHELF 48
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/23/24 21:45
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-05
Client ID: CAN 2261 SHELF 48
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-05
Client ID: CAN 2261 SHELF 48
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2403610**Project Number:** CANISTER QC BAT**Report Date:** 03/06/24**Air Canister Certification Results**

Lab ID: L2403610-05

Date Collected: 01/22/24 16:00

Client ID: CAN 2261 SHELF 48

Date Received: 01/23/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2403610**Project Number:** CANISTER QC BAT**Report Date:** 03/06/24**Air Canister Certification Results**

Lab ID: L2403610-05

Date Collected: 01/22/24 16:00

Client ID: CAN 2261 SHELF 48

Date Received: 01/23/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-05
Client ID: CAN 2261 SHELF 48
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/23/24 21:45
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-05
Client ID: CAN 2261 SHELF 48
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2403610**Project Number:** CANISTER QC BAT**Report Date:** 03/06/24**Air Canister Certification Results**

Lab ID: L2403610-05

Date Collected: 01/22/24 16:00

Client ID: CAN 2261 SHELF 48

Date Received: 01/23/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	85		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-06
Client ID: CAN 546 SHELF 8
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 01/23/24 22:24
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-06
Client ID: CAN 546 SHELF 8
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-06
Client ID: CAN 546 SHELF 8
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-06
Client ID: CAN 546 SHELF 8
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2403610**Project Number:** CANISTER QC BAT**Report Date:** 03/06/24**Air Canister Certification Results**

Lab ID: L2403610-06

Date Collected: 01/23/24 10:00

Client ID: CAN 546 SHELF 8

Date Received: 01/23/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-06
Client ID: CAN 546 SHELF 8
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/23/24 22:24
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2403610
Report Date: 03/06/24

Air Canister Certification Results

Lab ID: L2403610-06
Client ID: CAN 546 SHELF 8
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2403610**Project Number:** CANISTER QC BAT**Report Date:** 03/06/24**Air Canister Certification Results**

Lab ID: L2403610-06

Date Collected: 01/23/24 10:00

Client ID: CAN 546 SHELF 8

Date Received: 01/23/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	77		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	84		60-140



Project Name: WHITESTONE**Lab Number:** L2408362**Project Number:** 191711695**Report Date:** 03/06/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2408362-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2408362-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2408362-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2408362-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2408362-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2408362-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2408362-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2408362-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2408362-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2408362-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2408362-11A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2408362-12A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2408362-13A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: WHITESTONE
Project Number: 191711695

Lab Number: L2408362
Report Date: 03/06/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: WHITESTONE
Project Number: 191711695

Lab Number: L2408362
Report Date: 03/06/24

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: WHITESTONE
Project Number: 191711695

Lab Number: L2408362
Report Date: 03/06/24

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: WHITESTONE
Project Number: 191711695

Lab Number: L2408362
Report Date: 03/06/24

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 20

Published Date: 6/16/2023 4:52:28 PM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

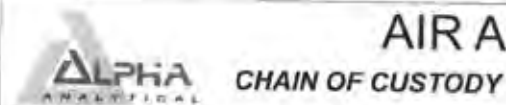
3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



AIR ANALYSIS

PAGE 2 OF 2

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: **STANTEC**
Address: **5 Dartmouth Dr. Ste 200**
Auburn, NH 03032
Phone: **603-669-8672**
Fax:

Email: **Donald.moore2@stantec.com**

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: **White stone**
Project Location: **White stone, NY**
Project #: **191711695**
Project Manager: **Chris Anderson**
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Date Rec'd in Lab:

2/15/24

Report Information - Data Deliverables

☐ FAX
☒ ADEX
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

ALPHA Job #: **L2408362**

Billing Information

☒ Same as Client info PO #: **191711695**

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm
NY SDEC

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15 TO-15 SIM APH Fixed Gas Sulfides & Mercaptans		Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum									
08362-11	VMP-4R	2-14-24	1206	1217	-30.02	-4.96	SV	M6	2.7L	262	01230	X			
12	VMP-3R	2-14-24	1226	1236	-29.64	-4.96	SV	M6	2.7L	3735	02472	X			
	~~VMP-2R~~		~~2244~~												
13	VMP-2R	2-14-24	1307	1311	-9.07	-1.99	SV	M6	2.7L	2244	0863	X			

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

C
S

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time:

Matthew En...
H. R...

2-15-24
2/15/24 1355
2-15-24 1500
2-15-24 1600

Received By:

Date/Time:

Enc...
AP...
2-15-24 1500
2-15-24 1600

2/15/24 1033
2/15/24 1355
2-15-24 1500
2-15-24 1600

ATTACHMENT E

**Data Usability Summary Report: Laboratory Report:
February 2024 Vapor Intrusion Sampling Event**

Stantec Analytical Validation DUSR**Report No. 032624-EC-01**

Project Name: Whitestone	Project Number: L2408362	
Stantec Validator: Elizabeth Crowley	Laboratory: Alpha Analytical – Westborough, MA	
Date Validation Completed: 03/25/24	Laboratory Project Number: L2408362	
Sample End Date: 02/14/24	Laboratory Report Date: 03/06/24	
Parameters Validated: Volatile Organic Compounds (VOC) by EPA TO-15 and TO-15 SIM		
Associated Chain(s) of Custody – no numbers. Samples Validated – 13 indoor air and soil vapor field samples		
VALIDATION CRITERIA CHECK		
Validation Flags Applicable to this Review: U The analyte was analyzed for, but not detected above the reported sample quantitation limit. J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. NJ The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration. N The analysis indicates the tentative presence of a non-target/method specified analyte. R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. B The analyte was detected in the method, field and/or trip blank.		
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	Yes X	No
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?	Yes X	No
Comments: Case narrative reports matrix issues, dilutions, and minor analytical problems. Only issues requiring qualifying action are presented in this report.		
3. Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments:		
5. Were sample holding times met?	Yes X	No
Comments:		
6. Were correct concentration units reported?	Yes X	No
Comments:		
7. Were detections found in laboratory blank samples?	Yes	No X

Comments:			
8. Were detections found in field blank, equipment, rinse blank, and/or trip blank samples?	NA	Yes	No
Comments: No blank sample submitted.			
9. Were instrument calibrations within method criteria?		Yes	No X
Comments: Instrument AirLab22, batch WG1890831 – Initial calibration verification %D exceeds the 30% limit for 1,2-Dichloroethane (32.5%). All associated sample results flagged “J” if positive or “UJ” if non-detect. Reason Code – ICV Instrument AirLab17, batch WG1891667 – Initial calibration %D exceeds the 30% limit for 2-Hexanone (36%) and Bromoform (42%). All associated sample results flagged “J” if positive or “UJ” if non-detect. Reason Code - ICV			
10. Were surrogate recoveries within control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within control limits?	NA	Yes	No
Comments: No matrix sample data reported for air samples.			
13. Were RPDs within control limits?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comment: Dilution required due to target analyte concentration. Samples analyzed at multiple dilutions to obtain the lowest possible reporting limits. Samples results which exceed the upper limit of the instrument calibration are flagged “R” and are not reportable. Reason Code EC,DNR			
15. Were Tentatively Identified Compounds (TIC) present?		Yes	No X
Comments:			
16. Were organic system performance criteria met?		Yes X	No
Comments:			
17. Were GC/MS internal standards within method criteria?		Yes X	No
Comments:			
18. Were inorganic system performance criteria met?	NA	Yes	No

Comments: No inorganic analyses requested.			
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results.		Yes	No
		X	
Duplicate Sample No.	Primary Sample No.		
Comments:			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?		Yes	No
		X	
Initials EAC			
Comments:			
21. Other: A). Chromatogram/ion absorbance ratio issues		Yes	No
B). Validation Level		X	
Comments: A). The chromatogram is questionable and/or ion ratio are out of limits for Heptane for sample Cleaner-2. Sample SG-12 reported questionable chromatogram and/or ion ratios are out of limits for tert-Butyl Alcohol and Trichlorofluoromethane. Associated sample results flagged "J". Reason Code – ID			
C). Validation level – All samples validated Tier 2B for all samples and Tier 3 for minimum ten percent of the client submitted samples. Cleaner-2 and SV-12 validated Tier 3.			
PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT			
Precision:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments: Greater than 90%.			